












Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04 FY05 FY06 FY07 FY08																							
					FY04				FY05				FY06				FY07				FY08							
SSIJ_0200	RF Gun Design/Procurement	698*	01/15/03A	10/27/05	RF Gun Design/Procurement																							
SSLN_0100	L1,BC1,L2,BC2,L3,&LTU, E-Dump Design & Procure	1,059*	04/01/03A	06/20/07	L1,BC1,L2,BC2,L3,&LTU																							
SSCF_0500	Undulator Facility Title 1	78*	01/12/04A	04/30/04A	Undulator Facility Title 1																							
SSCF_0600	Beam Dump Title 1	78*	01/12/04A	04/30/04A	Beam Dump Title 1																							
SSCF_0700	Research Yard Mods Title 1	78*	01/12/04A	04/30/04A	Research Yard Mods Title 1																							
SSCF_0800	Near Experimental Hall Title 1	78*	01/12/04A	04/30/04A	Near Experimental Hall Title 1																							
SSCF_0900	Far Experimental Hall Title 1	78*	01/12/04A	04/30/04A	Far Experimental Hall Title 1																							
SSCF_1000	Front End Enclosure Title 1	78*	01/12/04A	04/30/04A	Front End Enclosure Title 1																							
SSCF_1100	Beam Transport Hall Title 1	78*	01/12/04A	04/30/04A	Beam Transport Hall Title 1																							
SSCF_1200	Central Lab Office Center Title 1	78*	01/12/04A	04/30/04A	Central Lab Office Center Title 1																							
SSCF_1300	X-Ray Transport & Diagnostics Tunnel Title 1	78*	01/12/04A	04/30/04A	X-Ray Transport & Diagnostics Tunnel Title 1																							
SSIJ_0415	L1, L2, L0, SAB & DL1 & LH Design & Procure	942*	02/02/04A	10/25/07	L1, L2, L0, SAB &																							
SSCF_0405	Magnetic Measurement Facility Title 1	170*	03/01/04A	10/27/04	Magnetic Measurement Facility Title 1																							
SSCF_0100	S20 Injector Facility Title 1	36*	03/12/04A	04/30/04A	S20 Injector Facility Title 1																							
SSUN_0100	Undulator Design	133*	04/01/04A	10/07/04	Undulator Design																							
SSIJ_0110	Drive Laser Design/Procurement	471*	04/01/04A	02/14/06	Drive Laser Design/Procurement																							
SSCF_0105	S20 Injector Facility Title 2	79*	05/17/04A	09/07/04	S20 Injector Facility Title 2																							
SSUN_0140	Undulator Procure	761*	06/01/04	06/08/07	Undulator Procure																							
SSMS_0100	CD2b - Approve Performance Baseline	0		07/30/04*	CD2b - Approve Performance Baseline																							
SSMS_0300	FY04 Shutdown	43*	08/02/04	09/30/04	FY04 Shutdown																							
SSCF_0410	Magnetic Measurement Facility Title 2	52*	08/16/04	10/27/04	Magnetic Measurement Facility Title 2																							
SSMS_0105	CD3a - Approve Start of Long Lead Procurement	0		09/30/04*	CD3a - Approve Start of Long Lead Procurement																							
SSCF_0705	Research Yard Mods Title 2	159*	10/04/04	05/23/05	Research Yard Mods Title 2																							
SSCF_0505	Undulator Facility Title 2	174*	10/04/04	06/14/05	Undulator Facility Title 2																							
SSCF_0605	Beam Dump Title 2	174*	10/04/04	06/14/05	Beam Dump Title 2																							

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
SSCF_0805	Near Experimental Hall Title 2	174*	10/04/04	06/14/05													 Near Experimental Hall Title 2																																															
SSCF_0905	Far Experimental Hall Title 2	174*	10/04/04	06/14/05													 Far Experimental Hall Title 2																																															
SSCF_1005	Front End Enclosure Title 2	174*	10/04/04	06/14/05													 Front End Enclosure Title 2																																															
SSCF_1205	Central Lab Office Center Title 2	174*	10/04/04	06/14/05													 Central Lab Office Center Title 2																																															
SSCF_1105	Beam Transport Hall Title 2	228*	10/04/04	08/30/05													 Beam Transport Hall Title 2																																															
SSCF_1305	X-Ray Transport & Diagnostics Tunnel Title 2	228*	10/04/04	08/30/05													 X-Ray Transport & Diagnostics Tunnel Title 2																																															
SSIJ_0420	L1, L2, L0, SAB & DL1 & LH Installation & C/O	781*	10/04/04	11/08/07													 L1, L2, L0, SAB &																																															
SSCF_0110	S20 Injector Facility Construction	158*	10/05/04	05/23/05													 S20 Injector Facility Construction																																															
SSCF_0200	Linac Facility Title 1	99*	11/08/04	04/04/05													 Linac Facility Title 1																																															
SSCF_0415	Magnetic Measurement Facility Construction	136*	12/14/04	06/29/05													 Magnetic Measurement Facility Construction																																															
SSIJ_0105	Optics Assembly Lab Available	0		03/08/05													◆ Optics Assembly Lab Available																																															
SSIJ_0205	RF Gun Installation & Checkout	168*	03/16/05	11/09/05													 RF Gun Installation & Checkout																																															
SSIJ_0410	Waveguide and LTDL1 Installation	7*	07/01/05	07/12/05													Waveguide and LTDL1 Installation																																															
SSMS_0305	FY05 Shutdown	64*	07/01/05	09/30/05													FY05 Shutdown																																															
SSCF_0205	Linac Facility Title 2	87*	07/06/05	11/04/05													Linac Facility Title 2																																															
SSCF_0115	S20 Injector Facility Alcove B.O.	0		07/18/05*													◆ S20 Injector Facility Alcove B.O.																																															
SSCF_0420	Magnetic Measurement Facility B.O.	0		07/18/05*													◆ Magnetic Measurement Facility B.O.																																															
SSMS_0110	CD3b - Approve Start of Construction	0		09/30/05*													◆ CD3b - Approve Start of Construction																																															
SSMS_0200	MMF Qual Complete	0		09/30/05*													◆ MMF Qual Complete																																															
SSCF_0710	Research Yard Mods Construction	142*	10/03/05	04/26/06													Research Yard Mods Construction																																															
SSCF_0810	Near Experimental Hall Construction	235*	10/04/05	09/08/06													Near Experimental Hall Construction																																															
SSCF_0510	Undulator Facility Construction	266*	10/04/05	10/23/06													Undulator Facility Construction																																															
SSCF_1010	Front End Enclosure Construction	360*	10/04/05	03/12/07													Front End Enclosure Constru																																															
SSCF_0610	Beam Dump Construction	388*	10/04/05	04/19/07													Beam Dump Construction																																															
SSCF_0300	Main Control Center Title 1	54*	12/20/05	03/09/06													Main Control Center Title 1																																															

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
SSIJ_0115	Drive Laser Integration & Checkout	160*	12/21/05	08/09/06																									Drive Laser Integration & Checkout																																			
SSXT_0100	Comm Diagnostics Design & Procure	451*	01/30/06	11/08/07																																					Comm Diagnostic																							
SSIJ_0400	1st RF Power	0	04/03/06*																										1st RF Power																																			
SSCF_1210	Central Lab Office Center Construction	360*	04/03/06	09/04/07																									Central Lab Office C																																			
SSCF_0305	Main Control Center Title 2	65*	04/19/06	07/20/06																									Main Control Center Title 2																																			
SSCF_1310	X-Ray Transport&Diagnostics Tunnel Construction	192*	04/26/06	01/30/07																									X-Ray Transport&Diagnostics T																																			
SSIJ_0210	RF Conditioning	45*	05/25/06	07/28/06																									RF Conditioning																																			
SSUN_0155	Undulator Testing	52*	05/30/06	08/10/06																									Undulator Testing																																			
SSMS_0205	FFTB Shutdown	0	06/01/06*																										FFTB Shutdown																																			
SSUN_0145	RCV: Undulator 1st Articles	0		06/12/06																									RCV: Undulator 1st Articles																																			
SSCF_0715	Research Yard Mods B.O.	0		06/30/06*																									Research Yard Mods B.O.																																			
SSUN_0160	Deliver 1st Articles to MMF	0		07/12/06																									Deliver 1st Articles to MMF																																			
SSUN_0165	Fiducialization & Magnetic Measurement	250*	07/13/06	07/10/07	Fiducialization & Magnetic Measuremen																																																											
SSCF_1107	FFTB Demolition	40*	07/21/06	09/15/06																									FFTB Demolition																																			
SSLN_0105	L1,BC1 Installation & C/O	53*	08/01/06	10/13/06																									L1,BC1 Installation & C/O																																			
SSMS_0310	FY06 Shutdown	65*	08/01/06	10/31/06																									FY06 Shutdown																																			
SSCF_0210	Linac Facility Construction	50*	08/02/06	10/11/06																									Linac Facility Construction																																			
SSCF_1110	Beam Transport Hall Construction	190*	08/18/06	05/21/07													Beam Transport Hall Constructio																																															
SSCF_0815	Near Experimental Hall B.O.	0		09/29/06*																									Near Experimental Hall B.O.																																			
SSLN_0120	L1,BC1,L2,BC2,L3,&LTU, E-Dump Commissioning	413*	10/03/06	05/27/08																									L1,BC1																																			
SSIJ_0405	DL1 Installation Complete	0		10/16/06																									DL1 Installation Complete																																			
SSCF_0910	Far Experimental Hall Construction	150*	10/16/06	05/21/07													Far Experimental Hall Constructio																																															
SSIJ_0120	UV Beam to Cathode	0		11/30/06																									UV Beam to Cathode																																			
SSIJ_0215	RF Gun Operations with Beam	79*	12/04/06	03/28/07																									RF Gun Operations with Beam																																			
SSIJ_0125	Drive Laser Available for Laser Heater Comm	0		12/14/06													Drive Laser Available for Laser Heater Comm																																															

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SSCF_0515	Undulator Facility B.O.	0		12/15/06*																																					◆ Undulator Facility B.O.																																															
SSIJ_0425	L1, L2, L0, SAB & DL1 & LH Commissioning	202*	01/22/07	11/05/07													L1, L2, L0, SAB & DL1 & LH Commissioning																																																																							
SSXT_0105	Comm Diagnostics Installation	310*	01/29/07	04/22/08																									Comm Diagnostics Installation																																																											
SSCF_1015	Front End Enclosure B.O.	0		04/12/07*																																					◆ Front End Enclosure B.O.																																															
SSLN_0115	E-Dump Installation & C/O	48*	04/20/07	06/27/07																									E-Dump Installation & C/O																																																											
SSXT_0110	Comm Diagnostics Commissioning	362*	04/24/07	09/30/08																									Comm Diagnostics Commissioning																																																											
SSUN_0170	Undulator Installation	136*	04/26/07	11/06/07																									Undulator Installation																																																											
SSCF_0215	Linac Facility B.O.	0		04/30/07*																																					◆ Linac Facility B.O.																																															
SSUN_0150	Last Undulator Production Unit Received	0		06/08/07													Last Undulator Production Unit Received																								◆																																															
SSMS_0210	1st Beam on Linac Axis	0	06/29/07*																																						1st Beam on Linac Axis												◆																																			
SSCF_0615	Beam Dump B.O.	0		07/02/07*																																					◆ Beam Dump B.O.																																															
SSCF_1115	Beam Transport Hall B.O.	0		07/02/07*																																					◆ Beam Transport Hall B.O.																																															
SSCF_1315	X-Ray Transport & Diagnostics Tunnel B.O.	0		07/02/07*													X-Ray Transport & Diagnostics Tunnel B.O.												◆																																																											
SSLN_0110	L2,BC2,L3 Installation & C/O	62*	07/02/07	09/27/07																									L2,BC2,L3 Installation & C/O																																																											
SSMS_0315	FY07 Shutdown	63*	07/02/07	09/28/07																																					FY07 Shutdown												■																																			
SSCF_0915	Far Experimental Hall B.O.	0		08/01/07*																																					◆ Far Experimental Hall B.O.																																															
SSLN_0112	LTU Installation & C/O	44*	09/28/07	11/30/07																									LTU Installation & C/O																																																											
SSCF_0310	Main Control Center Construction	112*	10/02/07	03/17/08																									Main Control Center Construction																																																											
SSCF_1215	Central Lab Office Center B.O.	0		03/31/08*																																					◆ Central Lab Office Center B.O.																																															
SSCF_0315	Main Control Center B.O.	0		05/30/08*																																					◆ Main Control Center B.O.																																															
SSMS_0215	1st Beam on Undulator	0	05/30/08*																																						1st Beam on Undulator												◆																																			
SSUN_0175	Undulator Commissioning	15*	06/30/08	07/21/08																																					Undulator Commissioning												■																																			
SSMS_0220	LCLS Start Operation (X-Ray to Far Hall)	0		10/01/08*																																					LCLS Start Operation (X-Ray to Far Hall)												◆																																			
SSMS_0115	CD4 - Approve Start of Operations	0		10/31/08*																																																	CD4 - Approve Start of Operations												■																							



Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.01 LCLS PROJECT MGMT, PLANNING &amp; ADMN (TEC)</b>																																																																
MS_230	FY07 Funding	0		10/02/06*																																					♦ FY07 Funding																							
MS_250	FY07 - Spares Funds Available	0		10/02/06*																																					♦ FY07 - Spares Funds Available																							
MSB_130	FY06 Shutdown Completed	0		10/31/06*																																					♦ FY06 Shutdown Completed																							
MSB_220	Injector Gun Commissioning	30	12/01/06	01/16/07																																					■ Injector Gun Commissioning																							
MSB_225	Injector Commissioning	30	01/17/07	02/28/07																																					■ Injector Commissioning																							
MSB_135	FY07 Shutdown: HW Req'd for Installation	0	07/02/07*																										FY07 Shutdown: HW Req'd for Installation♦																																			
MSB_140	FY07 Shutdown Completed	0		09/28/07*																																					FY07 Shutdown Completed♦																							
MS_240	FY08 Funding	0		10/01/07*																																					♦ FY08 Funding																							
MS2_PM020	Final Safety Analysis Document (FSAD) Approved	0		03/31/08*																																					Final Safety Analysis Document (FSAD) Approve♦																							
MS2_PM025	Accelerator Readiness Review (ARR)	0		04/01/08*																																					Accelerator Readiness Review (ARR)♦																							
MSB_230	Linac Commissioning	30	04/15/08	05/27/08																																					Linac Commissioning■																							
MSB_240	Undulator Commissioning - 10Hz on Beam Dump	10	06/30/08	07/14/08																																					Undulator Commissioning - 10Hz on Beam Dump■																							
MSB_270	Front End Enclosure Commissioning	40	07/07/08	08/29/08																																					Front End Enclosure Commissioning■																							
MSB_250	Undulator Beam Based Alignment	5	07/15/08	07/21/08																																					Undulator Beam Based Alignment■																							
MSB_280	FEL Commissioning	40	07/22/08	09/16/08																																					FEL Commissioning■																							
MSB_260	Beam Dump Commissioning	20	08/01/08	08/28/08																																					Beam Dump Commissioning■																							
MSB_290	Near Experimental Hall Commissioning	20	09/02/08	09/29/08																																					Near Experimental Hall Commissioning■																							
MSB_310	Far Experimental Hall Commissioning	20	09/02/08	09/29/08																																					Far Experimental Hall Commissioning■																							
PMMS_115	Final ARR Report and CAP Completed	0		09/30/08*																																					Final ARR Report and CAP Complete♦																							
PM_LOE	PM LOE Complete	0		09/30/08																																					PM LOE Complete♦																							
MSB_200	LCLS Start Operation (CD-4)	0		10/01/08*																																					LCLS Start Operation (CD-4)♦																							
MS1_PM010	CD4 - Approve Start of Operations	0		10/31/08*																																					CD4 - Approve Start of Operations♦																							
<b>1.01.01 Environment, Safety &amp; Health</b>																																																																
<b>1.01.01.01 Radiation Physics</b>																																																																
PM110_001X	Radiation Physics	1,237	10/02/03A	02/27/04A																																																												
PM110_0010	Radiation Physics - PED	376*	04/01/04A	09/27/05																																					■ Radiation Physics - PED																							

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	Fiscal Years																			
					FY04			FY05			FY06			FY07			FY08							
<b>1.01.01.01 Radiation Physics</b>																								
PM110_0011	Radiation Physics- CONST	742	09/28/05	09/10/08																				
<b>1.01.01.02 ESH Management &amp; Coordination</b>																								
PM120_002X	ESH Management & Coordination	1,237	10/02/03A	02/27/04A																				
PM120_0020	ESH Management & Coordination - PED	354*	05/03/04A	09/27/05																				
PM120_0021	ESH Management & Coordination - CONST	742	09/28/05	09/10/08																				
<b>1.01.01.03 Seismic &amp; Engineering Support</b>																								
PM120_003X	Seismic & Engineering	1,237	10/02/03A	02/27/04A																				
PM120_0030	Seismic & Engineering - PED	354*	05/03/04A	09/27/05																				
PM120_0031	Seismic & Engineering - CONST	742	09/28/05	09/10/08																				
<b>1.01.02 Project Management</b>																								
<b>1.01.02.01 SLAC Project Management Office</b>																								
<b>1.01.02.01.01 SLAC Project Office - General</b>																								
PM211_001X	Project Director	1,237	10/02/03A	02/27/04A																				
PM211_002X	Chief Engineer	1,237	10/02/03A	02/27/04A																				
PM211_004X	Administrative Support - SLAC 1	1,237	10/02/03A	02/27/04A																				
PM211_0010	Project Director - PED	376*	04/01/04A	09/27/05																				
PM211_0020	Chief Engineer - PED	376*	04/01/04A	09/27/05																				
PM211_0040	Administrative Support - SLAC 1 - PED	376*	04/01/04A	09/27/05																				
PM211_0025	Cost & Schedule Manager PED	315*	07/01/04*	09/30/05																				
PM211_0030	Budget/Finance Officer - PED	247	10/04/04	09/27/05																				
PM211_0050	Administrative Support - SLAC 2 - PED	247	10/04/04	09/27/05																				
PM211_0011	Project Director - CONST	742	09/28/05	09/10/08																				
PM211_0021	Chief Engineer - CONST	742	09/28/05	09/10/08																				
PM211_0031	Budget/Finance Officer - CON	742	09/28/05	09/10/08																				
PM211_0041	Administrative Support - SLAC 1 - CONST	742	09/28/05	09/10/08																				
PM211_0051	Administrative Support - SLAC 2 - CONST	742	09/28/05	09/10/08																				
PM211_0026	Cost & Schedule Manager - CONST	742	10/03/05	09/15/08																				

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.01.02.01.02 SLAC Project Support</b>																																																																
PM212_001X	PMCS Support - Implementation/Development	1,280	08/01/03A	02/27/04A																																																												
PM212_006X	Software Licenses	1,237	10/02/03A	02/27/04A																																																												
PM212_007X	Computing Support	1,237	10/02/03A	02/27/04A																																																												
PM212_0010	PMCS Support - Implementation/Development	64*	04/01/04A	06/30/04																																																												
PM212_0020	Website Support - PED	376*	04/01/04A	09/27/05																																																												
PM212_0060	Software Licenses - PED	376*	04/01/04A	09/27/05																																																												
PM212_0070	Computing Support - PED	376*	04/01/04A	09/27/05																																																												
PM212_0011	Prepare Procurement Package - PMCS Support	51*	04/20/04A	06/30/04																																																												
PM212_0012	Bid Process - RFP for PMCS Support	50	07/01/04	09/10/04																																																												
MSC_PM000	CRIT: Start Procurement Package - PMCS Support	0		07/08/04																																																												
PM212_0013	Receive RFP for PMCS Support	0		09/10/04																																																												
PM212_0014	Evaluate RFP for PMCS Support	14	09/13/04	09/30/04																																																												
PM212_0015	AWARD: PMCS Support	1	10/01/04	10/01/04																																																												
PM212_0016	PMCS Support - Maintenance - PED	251	10/01/04	09/30/05																																																												
PM212_0030	Relational Database Support - PED	247	10/04/04	09/27/05																																																												
PM212_0040	Procurement Expediting Support - PED	247	10/04/04	09/27/05																																																												
PM212_0050	QA/QC Support - PED	247	10/04/04	09/27/05																																																												
PM212_0080	Recruiting/Relocation Support - PED	247	10/04/04	09/27/05																																																												
PM212_0051	QA/QC Support - CONST	741	09/28/05	09/09/08																																																												
PM212_0081	Recruiting/Relocation Support - CONST	741	09/28/05	09/09/08																																																												
PM212_0021	Website Support - CONST	742	09/28/05	09/10/08																																																												
PM212_0031	Relational Database Support - CONST	742	09/28/05	09/10/08																																																												
PM212_0041	Procurement Expediting Support - CONST	742	09/28/05	09/10/08																																																												
PM212_0061	Software Licenses - CONST	742	09/28/05	09/10/08																																																												
PM212_0071	Computing Support - CONST	742	09/28/05	09/10/08																																																												
PM212_0017	PMCS Support - Maintenance - CONST	753	10/03/05	09/30/08																																																												







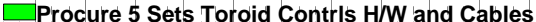



















Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.02.02.02.01 Readback &amp; Controls - RF Gun LLRF &amp; Temperature</b>																																																																
IJ02020128	Build First Article Hardware	61	10/26/05	01/25/06																									█ Build First Article Hardware																																			
IJ02020130	Build RF Hardware & Write Documentation	61	10/26/05	01/25/06																									█ Build RF Hardware & Write Documentation																																			
IJ02020141	Integrate & Test RF Control	72	11/23/05	03/10/06																									█ Integrate & Test RF Control																																			
IJ02020127	AVAIL: Racks for Install in RF Hut	0		01/25/06																									◆ AVAIL: Racks for Install in RF Hut																																			
IJ02020180	AVAIL: LLRF Gun Controls Ready to Integrate	0		03/10/06																									◆ AVAIL: LLRF Gun Controls Ready to Integrate																																			
<b>1.02.02.02.02 Readback &amp; Controls - L0 LLRF</b>																																																																
IJ02020225	Design Modifications	10	02/27/06	03/10/06																									█ Design Modifications																																			
IJ02020221	Design LLRF L0-1 Cntrls @ Sector 20/21	45	02/27/06*	04/28/06																									█ Design LLRF L0-1 Cntrls @ Sector 20/21																																			
IJ02020235	COMP: LLRF L0-1 Controls @ Sec20/21 Design	0		03/10/06																									◆ COMP: LLRF L0-1 Controls @ Sec20/21 Design																																			
IJ02020240	Procure Controls H/W (incl Digitizer) and Cables	63	03/13/06	06/08/06																									█ Procure Controls H/W (incl Digitizer) and Ca																																			
IJ02020305	RCV: Procured parts - LLRF L0-1 Controls	0		06/08/06																									◆ RCV: Procured parts - LLRF L0-1 Controls																																			
IJ02020306	Build RF Control H/W and Write Docmntn	315	08/16/06	11/13/07	█ Build RF Control H/W and Write Docmntn																																																											
IJ02020307	Write RF Control S/W and Docmntn	315	08/16/06	11/13/07	█ Write RF Control S/W and Docmntn																																																											
IJ02020406	Design LLRF L0-2 Cntrls @ Sector 20/21	50	07/13/07	09/21/07																									█ Design LLRF L0-2 Cntrls @ Sector 20/21																																			
IJ02020420	COMP: LLRF L0-2 Controls @ Sec20/21 Design	0		09/21/07																									◆ COMP: LLRF L0-2 Controls @ Sec20/21 Design																																			
IJ02020425	Procure Controls H/W (incl Digitizer) and Cables	63	09/24/07	12/21/07																									█ Procure Controls H/W (incl Digitizer) and Cable																																			
IJ02020516	Write RF Software Documentation	118	09/24/07	03/17/08																									█ Write RF Software Documentation																																			
IJ02020308	Integrate and Test LLRF L0-1	24	11/14/07	12/19/07																									█ Integrate and Test LLRF L0-1																																			
IJ02020365	AVAIL: LLRF L0-1 Controls Ready to Install	0		12/19/07																									◆ AVAIL: LLRF L0-1 Controls Ready to Install																																			
IJ02020495	RCV: Procured parts	0		12/21/07																									◆ RCV: Procured parts																																			
IJ02020508	Build RF Hardware and Write Documentation	55	12/24/07	03/17/08																									█ Build RF Hardware and Write Documentatio																																			
IJ02020505	AVAIL: Hardware for Install in RF Hut	0		03/17/08																									◆ AVAIL: Hardware for Install in RF Hu																																			
IJ02020526	Integrate and Test LLRF L0-2	24	03/18/08	04/18/08																									█ Integrate and Test LLRF L0-2																																			
IJ02020555	AVAIL: LLRF L0-2 Controls Ready to Install	0		04/18/08																									◆ AVAIL: LLRF L0-2 Controls Ready to Install																																			
<b>1.02.02.02.03 Readback &amp; Controls - LLRF Transverse Cavity</b>																																																																
IJ02021826	Design LLRF Tranv Cav Controls @ Sector 20/21	25	03/13/06	04/14/06																									█ Design LLRF Tranv Cav Controls @ Sector 20/21																																			

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.02.02.02.03 Readback &amp; Controls - LLRF Transverse Cavity</b>																																																																
IJ02021820	Design Review - Tranv Cav	15	04/17/06	05/05/06																																																	■ Design Review - Tranv Cav											
IJ02021825	COMP: LLRF Tranv Cav Controls @ Sec20/21 Design	0		05/05/06																																																	◆ COMP: LLRF Tranv Cav Controls @ Sec20/21											
IJ02021830	Procure Contros H/W (incl Digitizer) and Cables	63	05/08/06	08/04/06																																																	■ Procure Contros H/W (incl Digitizer) and											
IJ02021919	Write RF Software and Documentation	118	05/08/06	10/23/06																																																	Write RF Software and Documentatio■											
IJ02021900	RCV: Procured parts	0		08/04/06																																																	◆ RCV: Procured parts											
IJ02021904	Build RF Hardware and Write Documentation	1	08/07/06	08/07/06																																																	Build RF Hardware and Write Documenta■											
IJ02021910	AVAIL: Hardware for Install in RF Hut	0		08/07/06																																																	◆ AVAIL: Hardware for Install in RF Hut											
IJ02021931	Integrate and Test RF Control	54	08/08/06	10/23/06																																																	■ Integrate and Test RF Control											
IJ02021935	AVAIL:LLRF Tranv Cav Controls Ready to Install	0		10/23/06																																																	◆ AVAIL:LLRF Tranv Cav Controls Re											
<b>1.02.02.02.04 S-Band Cavity Controls</b>																																																																
IJ02020596	Design LLRF L1 S-Band Cntrls @ Sec 20/21	45	07/13/07	09/14/07																																																	Design LLRF L1 S-Band Cntrls @ Sec 20/2■											
IJ02020744	Design LLRF L1X-Band Cntrls @ Sector 20/21	45	07/13/07	09/14/07																																																	Design LLRF L1X-Band Cntrls @ Sector 20/2■											
IJ02020600	Design Modifications	10	09/17/07	09/28/07																																																	Design Modifications■											
IJ02020780	Design Modifications	10	09/17/07	09/28/07																																																	Design Modifications■											
IJ02020610	COMP: LLRF L1 S-Band Controls @ Sec20/21 Design	0		09/28/07																																																	COMP: LLRF L1 S-Band Controls @ Sec20/21 Desig◆											
IJ02020790	COMP: LLRF L1 X-Band Controls @ Sec20/21 Design	0		09/28/07																																																	COMP: LLRF L1 X-Band Controls @ Sec20/21 Desig◆											
IJ02020689	Write RF Software and Documentation	1	10/01/07	10/01/07																																																	Write RF Software and Documentation											
IJ02020615	Procure Controls H/W (incl Digitizer) and Cables	63	10/01/07	01/03/08																																																	Procure Controls H/W (incl Digitizer) and Cable■											
IJ02020795	Procure Controls H/W (incl Digitizer) and Cables	63	10/01/07	01/03/08																																																	Procure Controls H/W (incl Digitizer) and Cable■											
IJ02020870	Write RF Software and Documentation	118	10/01/07	03/24/08																																																	Write RF Software and Documentatio■											
IJ02020680	RCV: Procured parts	0		01/03/08																																																	RCV: Procured parts◆											
IJ02020860	RCV: Procured parts	0		01/03/08																																																	RCV: Procured parts◆											
IJ02020684	Build RF Hardware and Write Documentation	55	01/04/08	03/24/08																																																	Build RF Hardware and Write Documentatio■											
IJ02020864	Build RF Hardware and Write Documentation	55	01/04/08	03/24/08																																																	Build RF Hardware and Write Documentatio■											
IJ02020880	Integrate and Test RF Control	1	03/25/08	03/25/08																																																	Integrate and Test RF Control											
IJ02020915	AVAIL: LLRF L1 X-Band Cntrls Ready to Integrate	0		03/25/08																																																	AVAIL: LLRF L1 X-Band Cntrls Ready to Integra◆											

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.02.02.02.04 S-Band Cavity Controls</b>																																																																
IJ02020734	Integrate and Test RF Control	25	03/25/08	04/28/08	Integrate and Test RF Control 																																																											
IJ02020735	AVAIL: LLRF L1 S-Band Contrlrs Ready to Integrate	0		04/28/08	AVAIL: LLRF L1 S-Band Contrlrs Ready to Integrate 																																																											
<b>1.02.02.03 E-Beam Diagnostics Controls</b>																																																																
IJ0203	E-BEAM DIAG DISPLAY & CONTROLS SUMMARY	808	10/04/04	12/19/07	 E-BEAM DIAG I																																																											
<b>1.02.02.03.01 Reserved</b>																																																																
IJ020301	CONTROLS - WIRE SCANNERS (4) SUMMARY-DELETED	1,113	06/01/04	10/31/08																																																												
<b>1.02.02.03.02 Controls - Toroids</b>																																																																
IJ02030216	Procure 5 Sets Toroid Contrlrs H/W and Cables	42	02/01/06	03/31/06	 Procure 5 Sets Toroid Contrlrs H/W and Cables																																																											
IJ02030241	Write First Article SW - Toroid	47	02/01/06	04/07/06	 Write First Article SW - Toroid																																																											
IJ02030243	Build Toroid Hardware and Write Documentatin	47	02/01/06	04/07/06	 Build Toroid Hardware and Write Documentatin																																																											
IJ02030244	Write Toroid Software and Documentation	47	02/01/06	04/07/06	 Write Toroid Software and Documentation																																																											
IJ020302	CONTROLS - TOROIDS (5) SUMMARY	48	02/01/06	04/10/06	 CONTROLS - TOROIDS (5) SUMMARY																																																											
IJ02030238	RCV: Procured parts - Toroid Controls	0		03/31/06	 RCV: Procured parts - Toroid Controls																																																											
IJ02030250	Integrate Software and Hardware	1	04/10/06	04/10/06	Integrate Software and Hardware																																																											
IJ02030256	AVAIL: Toroid Controls Ready for Install	0		04/10/06	 AVAIL: Toroid Controls Ready for Install																																																											
<b>1.02.02.03.03 Controls - Faraday Cups</b>																																																																
IJ02030355	Write First Article SW - Faraday Cups	1	10/25/04	10/25/04	Write First Article SW - Faraday Cups																																																											
IJ02030357	Write S/W and Docmntn Faraday Cup Control (4)	1	10/25/04	10/25/04	Write S/W and Docmntn Faraday Cup Control (4)																																																											
IJ020303	CONTROLS - FARADAY CUP (4) SUMMARY	42	10/25/04	12/23/04	 CONTROLS - FARADAY CUP (4) SUMMARY																																																											
IJ02030316	Procure 4 Sets Faraday Cup Controls H/W & Cables	42	10/25/04	12/23/04	 Procure 4 Sets Faraday Cup Controls H/W & Cables																																																											
IJ02030356	Build H/W and Write Docmntn Faraday Cup Cntrl (4)	1	10/26/04	10/26/04	Build H/W and Write Docmntn Faraday Cup Cntrl (4)																																																											
IJ02030358	Integrate and Test Faraday Cup Control (4)	25	10/27/04	12/02/04	 Integrate and Test Faraday Cup Control (4)																																																											
IJ02030362	AVAIL: Faraday Cup Controls Ready for Install	0		12/02/04	 AVAIL: Faraday Cup Controls Ready for Install																																																											
IJ02030344	RCV: Procured parts - Faraday Cup Controls	0		12/23/04	 RCV: Procured parts - Faraday Cup Controls																																																											
<b>1.02.02.03.04 Controls - Tune-Up Dump</b>																																																																
IJ02030416	Procure 1 set Tune-up Dump Controls H/W	42	02/12/07	04/11/07	Procure 1 set Tune-up Dump Controls H/W 																																																											
IJ02030424	Write S/W - Tune-Up Dump Controls	189	02/12/07	11/07/07	Write S/W - Tune-Up Dump Control 																																																											

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.02.02.03.04 Controls - Tune-Up Dump</b>																																																																
IJ02030426	Write Docs - Tune-Up Dump Controls	214	02/12/07	12/14/07																																					Write Docs - Tune-Up Dump Control																							
IJ020304	CONTROLS - TUNE-UP DUMP (1) SUMMARY	217	02/12/07	12/19/07																																					CONTROLS - TUNE-UP DUMP (1) SUMMAR																							
IJ02030422	RCV: Procured parts - Tune-Up Dump Controls	0		04/11/07																																					RCV: Procured parts - Tune-Up Dump Control																							
IJ02030430	Assemble Tune-up Dump Controls	42	04/12/07	06/11/07																																					Assemble Tune-up Dump Control																							
IJ02030433	Integrate and Test Tune Up Dump	28	11/08/07	12/19/07																																					Integrate and Test Tune Up Dum																							
IJ02030440	AVAIL: Tune-Up Dump Controls Ready for Install	0		12/19/07																																					AVAIL: Tune-Up Dump Controls Ready for Insta																							
<b>1.02.02.03.05 Controls - Profile Monitors</b>																																																																
IJ02030516	Proc 11 sets Profile Mntr Cntrls H/W & Cables	42	10/05/04	12/03/04																																					Proc 11 sets Profile Mntr Cntrls H/W & Cables																							
IJ02030567	Write First Article S/W for Provile Monitors	189	10/05/04	07/07/05																																					Write First Article S/W for Provile Monitors																							
IJ020305	CONTROLS - PROFILE MONITORS (11) SUMMARY	214	10/05/04	08/11/05																																					CONTROLS - PROFILE MONITORS (11) SUMMARY																							
IJ02030570	Write S/W and Docmntn Profile Monitors (11)	214	10/05/04	08/11/05																																					Write S/W and Docmntn Profile Monitors (11)																							
IJ02030556	RCV: Procured parts - Profile Monitor Controls	0		12/03/04																																					RCV: Procured parts - Profile Monitor Controls																							
IJ02030568	Build First Article Hardware	42	12/06/04	02/07/05																																					Build First Article Hardware																							
IJ02030569	Build H/W and Write Docmntn Profile Monitor (11)	172	12/06/04	08/11/05																																					Build H/W and Write Docmntn Profile Monitor (11)																							
IJ02030571	Integrate and Test Profile Monitors	130	02/08/05	08/11/05																																					Integrate and Test Profile Monitors																							
IJ02030574	AVAIL:Profile Monitor Controls Ready for Install	0		08/11/05																																					AVAIL:Profile Monitor Controls Ready for Install																							
<b>1.02.02.03.06 Controls - E/O Diagnostics</b>																																																																
IJ02030616	Procure 1 Set E/O Diagnostic Cntrls H/W & Cables	20	10/04/04	10/29/04																																					Procure 1 Set E/O Diagnostic Cntrls H/W & Cables																							
IJ020306	CONTROLS - EO DIAGNOSTICS SUMMARY	731	10/04/04	08/29/07																																					CONTROLS - EO DIA																							
IJ02030620	RCV: Procured & fabricated parts - EO Diag Cntrl	0		10/29/04																																					RCV: Procured & fabricated parts - EO Diag Cntrl																							
IJ02030630	Build H/W and Write Docmntn for E/O Diagnostics	194	11/01/04	08/10/05																																					Build H/W and Write Docmntn for E/O Diagnostics																							
IJ02030629	Write First Article for E/O Diagnosis	214	01/20/06	11/21/06																																					Write First Article for E/O Diagnosis																							
IJ02030631	Write S/W and Docmntn E/O Diagnostics	214	01/20/06	11/21/06																																					Write S/W and Docmntn E/O Diagnos																							
IJ02030632	Integrate and Test E/O Disgnostics Controls H/W	193	11/22/06	08/29/07																																					Integrate and Test E/O Disgnostics Controls H/W																							
IJ02030636	AVAIL: EO Diagnostic Controls Ready for Install	0		08/29/07																																					AVAIL: EO Diagnostic Controls Ready for Insta																							
<b>1.02.02.03.07 Controls - BPM</b>																																																																
IJ02030747	Procure BLM Controls Hdwr/Eq	20	10/04/04	10/29/04																																					Procure BLM Controls Hdwr/Eq																							

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08																							
<b>1.02.02.03.07 Controls - BPM</b>																																																																												
IJ02030714	Procure preliminary/final design's board & parts	63	10/04/04	01/05/05													■ Procure preliminary/final design's board & parts																																																											
IJ02030745	CONTROLS - BPM PROCESSOR MODULE (21) SUMMARY	469	10/04/04	08/15/06													■ CONTROLS - BPM PROCESSOR MODU																																																											
IJ02030718	Proc 21 sets BPM Controls H/W and Cables	63	01/06/05	04/06/05													■ Proc 21 sets BPM Controls H/W and Cables																																																											
IJ02030737	Write First Article S/W for BPMs	213	01/06/05	11/07/05													■ Write First Article S/W for BPMs																																																											
IJ02030738	Build H/W and Write Docmntn BPMs (21)	213	01/06/05	11/07/05													■ Build H/W and Write Docmntn BPMs (21)																																																											
IJ02030739	Write S/W and Docmntn BPM (21)	213	01/06/05	11/07/05													■ Write S/W and Docmntn BPM (21)																																																											
IJ02030726	RCV: Procured parts - BPM Proc Module Cntrls	0		04/06/05													◆ RCV: Procured parts - BPM Proc Module Cntrls																																																											
IJ02030744	AVAIL:BPM Proc Module Controls Ready for Install	0		11/07/05													◆ AVAIL:BPM Proc Module Controls Ready for Install																																																											
IJ02030740	Integrate and Test BPM Controls	193	11/08/05	08/15/06													■ Integrate and Test BPM Controls																																																											
<b>1.02.02.04 Laser Controls</b>																																																																												
IJ0204	LASER CONTROLS SUMMARY	207	10/04/04	08/01/05													■ LASER CONTROLS SUMMARY																																																											
<b>1.02.02.04.01 Reserved</b>																																																																												
IJ020401	ALIGNMENT LASER CONTROLS-DELETED	1,113	06/01/04	10/31/08																																																																								
<b>1.02.02.04.02 Controls - Gun Laser</b>																																																																												
IJ02040209	Design Gun Laser Controls	110	10/04/04	03/15/05													■ Design Gun Laser Controls																																																											
IJ020402	GUN LASER CONTROLS SUMMARY	207	10/04/04	08/01/05													■ GUN LASER CONTROLS SUMMARY																																																											
IJ02040210	COMP: Gun Laser Controls Design	0		03/15/05													◆ COMP: Gun Laser Controls Design																																																											
IJ02040278	Write Docs - Gun Laser Controls	7	03/16/05	03/24/05													■ Write Docs - Gun Laser Controls																																																											
IJ02040276	Write S/W - Gun Laser Controls	21	03/16/05	04/13/05													■ Write S/W - Gun Laser Controls																																																											
IJ02040212	Procure 1 set Gun Laser Controls H/W	63	03/16/05	06/13/05													■ Procure 1 set Gun Laser Controls H/W																																																											
IJ02040272	RCV: Procured parts - Gun Laser Controls	0		06/13/05													◆ RCV: Procured parts - Gun Laser Controls																																																											
IJ02040274	Assemble procured parts	21	06/14/05	07/13/05													■ Assemble procured parts																																																											
IJ02040_13	Integrate and Test Gun Laser Controls	13	07/14/05	08/01/05													■ Integrate and Test Gun Laser Controls																																																											
IJ02040_20	AVAIL: Laser Cntrls ready for Install	0		08/01/05													◆ AVAIL: Laser Cntrls ready for Install																																																											
<b>1.02.02.05 Laser Heater Controls</b>																																																																												
IJ02050041	Design Laser Heater Controls	120	08/02/05	01/24/06													■ Design Laser Heater Controls																																																											
IJ0205	LASER HEATER CONTROLS SUMMARY	287	08/02/05	09/20/06													■ LASER HEATER CONTROLS SUMMAR																																																											



Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.02.02.05 Laser Heater Controls</b>																																																																
IJ02050050	COMP: Laser Heater Controls Design	0		01/24/06																																																	◆ COMP: Laser Heater Controls Design											
IJ02050170	Write S/W - Laser Heater Controls	20	01/25/06	02/22/06																																																	■ Write S/W - Laser Heater Controls											
IJ02050055	Procure 1 set Laser Heater Controls H/W	63	01/25/06	04/24/06																																																	■ Procure 1 set Laser Heater Controls H/W											
IJ02050175	Write Docs - Laser Heater Controls	63	01/25/06	04/24/06																																																	■ Write Docs - Laser Heater Controls											
IJ02050160	RCV: procured parts - Laser Heater Cntrls	0		04/24/06																																																	◆ RCV: procured parts - Laser Heater Cntrls											
IJ02050165	Assemble procured parts	21	04/25/06	05/23/06																																																	■ Assemble procured parts											
IJ02050181	Integrate and Test Laser Heater Controls	83	05/24/06	09/20/06																																																	■ Integrate and Test Laser Heater Controls											
IJ02050200	AVAIL: Laser Heater Cntrls Ready for Install	0		09/20/06																																																	◆ AVAIL: Laser Heater Cntrls Ready for Install											
<b>1.02.02.06 Timing Controls</b>																																																																
IJ0206	TIMING CONTROLS SUMMARY	63	10/04/04	01/05/05																																																	■ TIMING CONTROLS SUMMARY											
IJ02060060	Procure Master & Distributed Timing Controls H/W	63	10/04/04	01/05/05																																																	■ Procure Master & Distributed Timing Controls H/W											
<b>1.02.02.07 Vacuum Controls</b>																																																																
IJ02070046	Design Vacuum Controls	145	10/04/04	05/03/05																																																	■ Design Vacuum Controls											
IJ0207	VACUUM CONTROLS SUMMARY	499	10/04/04	09/27/06																																																	■ VACUUM CONTROLS SUMMARY											
IJ02070050	COMP: Vacuum Controls Design	0		05/03/05																																																	◆ COMP: Vacuum Controls Design											
IJ02070070	Procure Vacuum Controls Hardware and Cables	63	05/04/05	08/02/05																																																	■ Procure Vacuum Controls Hardware and Cables											
IJ02070201	First Article Vacuum S/W	220	05/04/05	03/20/06																																																	■ First Article Vacuum S/W											
IJ02070210	Write Vacuum Documentation	225	05/04/05	03/27/06																																																	■ Write Vacuum Documentation											
IJ02070195	RCV: Procured parts	0		08/02/05																																																	◆ RCV: Procured parts											
IJ02070202	Build Vacuum H/W and Write Docmntn	14	08/03/05	08/22/05																																																	■ Build Vacuum H/W and Write Docmntn											
IJ02070216	Integration and Test Vacuum Controls	134	03/21/06	09/27/06																																																	■ Integration and Test Vacuum Controls											
IJ02070235	AVAIL: Vacuum Control Modules Ready for Install	0		09/27/06																																																	◆ AVAIL: Vacuum Control Modules Ready for Install											
<b>1.02.02.08 Software &amp; Controls Infrastructure</b>																																																																
IJ0208	SOFTWARE & CNTRLs INFRASTRUCTURE SUMMARY	317	10/04/04	01/09/06																																																	■ SOFTWARE & CNTRLs INFRASTRUCTURE SUMMARY											
<b>1.02.02.08.03 Data Communications</b>																																																																
IJ02080300	Supervision of installation	30	10/04/04	11/12/04																																																	■ Supervision of installation											
IJ020803	DATA COMMUNICATIONS (NETWORKING) SUMMARY	317	10/04/04	01/09/06																																																	■ DATA COMMUNICATIONS (NETWORKING) SUMMARY											

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					Q1		Q2		Q3		Q4		Q1		Q2		Q3		Q4		Q1		Q2		Q3		Q4		Q1		Q2		Q3		Q4		Q1		Q2		Q3		Q4																					
<b>1.02.02.08.03 Data Communications</b>																																																																
IJ02080302	Upgrade/establish BDF	1	11/15/04	11/15/04																																																												
IJ02080304	SEM install wall board	10	11/16/04	12/01/04													■																																															
IJ02080306	SEM install two 20 A circuits	21	12/02/04	01/04/05													■																																															
IJ02080308	Singlemode Fiber installation	1	01/05/05	01/05/05																																																												
IJ02080310	Procure singlemode fiber	63	01/06/05	04/06/05													■																																															
IJ02080312	Fiber cabling installation	21	04/07/05	05/05/05																																																												
IJ02080314	Fiber termination	63	05/06/05	08/04/05													■																																															
IJ02080316	Desktop cabling installation	1	08/05/05	08/05/05																																																												
IJ02080318	Cabling installation in ground & sub-ground loca	21	08/08/05	09/06/05																																																												
IJ02080320	Cable termination	21	09/07/05	10/05/05																																																												
IJ02080322	Desktop circuit activation	1	10/06/05	10/06/05																																																												
IJ02080324	Telcom to provide phone & activate circuits (no	21	10/07/05	11/04/05																																																												
IJ02080326	Procure Cisco 3550-24 hubs (4)	21	11/07/05	12/07/05																																																												
IJ02080328	Hub installation & data circuit activation	21	12/08/05	01/09/06																																																												
IJ02080330	AVAIL: Data Comm Circuits Active & Ready	0		01/09/06																																																												
<b>1.02.02.08.04 Computers &amp; Crates</b>																																																																
IJ020804	COMPUTER, CRATES, S/W & LICENCES SUMMARY	63	10/04/04	01/05/05													■																																															
IJ020805	Procure Infrastructure Comp, Crates H/W & Cable	63	10/04/04	01/05/05													■																																															
IJ02080440	AVAIL: Computers & Crates Ready for Instl	0		01/05/05																																																												
<b>1.02.02.09 Power Supply Controls</b>																																																																
IJ02090026	Design Power Supply Control	78	10/04/04*	01/27/05													■																																															
IJ0209	POWER SUPPLY CONTROLS SUMMARY	109	10/04/04	03/14/05													■																																															
IJ02090035	COMP: Power Supply Controls Design	0		01/27/05																																																												
IJ02090061	Build H/W and Write Docmtn Power Supply Control	26	01/28/05	03/07/05																																																												
IJ02090062	Write S/W Docmtn Power Supply Control	26	01/28/05	03/07/05																																																												
IJ02090065	Integrate software & hardware	5	03/08/05	03/14/05																																																												

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.02.02.09 Power Supply Controls</b>																																																																
IJ02090085	AVAIL: Power Supply Cntrls Ready for Install	0		03/14/05																																																												
<b>1.02.02.10 PPS,BCS,MPS Controls</b>																																																																
IJ02100021	Design PPS, BCS, MPS	103	10/04/04	03/04/05																																																												
IJ0210	PPS, BCS, MPS CONTROLS SUMMARY	523	10/04/04	10/31/06																																																												
IJ02100065	Write S/W Docmnt for Power Supply Controls	25	03/07/05	04/08/05																																																												
IJ02100055	Write First Article S/W - PPS, BCS, MPS	220	03/07/05	01/18/06																																																												
IJ02100070	Integrate and Test Power Supply Controls	200	01/19/06	10/31/06																																																												
IJ02100085	AVAIL: PPS, BCS, MPS control software	0		10/31/06																																																												
<b>1.02.03 Injector Lasers</b>																																																																
IJ03	INJECTOR LASERS SUMMARY	554	04/01/04A	06/13/06																																																												
<b>1.02.03.02 Drive Laser System</b>																																																																
IJ03020000	Define Drive Laser Physics Requirements	12	04/01/04A	04/16/04A																																																												
IJ0302	DRIVE LASER SYSTEM SUMMARY	434	04/01/04A	12/20/05																																																												
IJ03020005	Define Drive Laser Specs	20	04/19/04A	05/14/04A																																																												
IJ03020030	COMP: Drive Laser Engineering Requirements	0		05/14/04A																																																												
IJ03020035	Prep Bid Pak - Drive Laser	76*	05/17/04A	09/01/04																																																												
IJ03020050	RELEASE: RFP - Drive Laser	0		09/01/04																																																												
IJ03020055	Vendors Prep Proposals - Drive Laser	31	09/02/04	10/15/04																																																												
MSC_IJ000	CRIT: Start Proc for Drive Laser	0		10/04/04																																																												
IJ03020060	RCV: Vendor Proposals - Drive Laser	0		10/15/04																																																												
IJ03020070	Technical Review Preparation	20	10/18/04	11/12/04																																																												
IJ03020065	Evaluate Vendor Proposals- Drive Laser	50	10/18/04	12/30/04																																																												
IJ03020072	Technical Review	2	11/15/04	11/16/04																																																												
IJ03020075	AWARD: Contract for Drive Laser	1	01/03/05	01/03/05																																																												
IJ03020080	Vendor Fab, Assy & Test - Drive Laser	244	01/04/05	12/20/05																																																												
IJ03020082	Reviews of Vendor's Progress	215	02/15/05	12/20/05																																																												

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04		FY05		FY06		FY07		FY08	
<b>1.02.03.02 Drive Laser System</b>														
IJ03020096	REQD: Sector 20 Alcove Available for Eq Instl	0		07/18/05										
IJ03020097	REQD: Optical Tables Available	0		10/14/05										
IJ03020085	RCV: Drive Laser from Vendor	0		12/20/05										
IJ03020115	AVAIL: Drive Laser for Integration	0		12/20/05										
MS3_IJ005	Drive Laser for Integration	0		12/20/05										
<b>1.02.03.03 Drive Laser Diagnostics</b>														
IJ03030005	Define Laser System Diagnostics Specs	20	10/18/04*	11/12/04										
IJ0303	DRIVE LASER DIAGNOSTICS SUMMARY	230	10/18/04	09/16/05										
IJ03030015	Eng & Design of Drive Laser Diagnostics	60	11/15/04	02/14/05										
IJ03030025	COMP: Drive Laser Diagnostics Eng & Design	0		02/14/05										
IJ03030030	Procure Streak Camera	60	02/15/05	05/10/05										
IJ03030035	Procure Oscillator Diagnostics	60	02/15/05	05/10/05										
IJ03030040	Procure Preamplifier Diagnostics	60	02/15/05	05/10/05										
IJ03030045	Procure Final Amplifier Diagnostics	60	02/15/05	05/10/05										
IJ03030050	Procure UV Conversion Diagnostics	60	02/15/05	05/10/05										
IJ03030055	RCV: Drive Laser Diagnostics & Streak Camera	0		05/10/05										
IJ03030060	Assemble & Checkout: Drive Laser Diagnostics	90	05/11/05	09/16/05										
IJ03030065	AVAIL: Drive Laser Diagnostics for Integ	0		09/16/05										
<b>1.02.03.04 Timing Stability Monitoring</b>														
IJ03040005	Define Timing stability specs	5	01/03/05	01/07/05										
IJ0304	TIMING STABILITY MONITORING SUMMARY	255	01/03/05	01/05/06										
IJ03040010	Eng & Dsn of Timing Stability Monitoring App	40	05/18/05	07/14/05										
IJ03040015	Proc Timing Stability Apparatus	60	07/15/05	10/07/05										
IJ03040020	RCV: Timing stability Monitoring Apparatus	0		10/07/05										
IJ03040025	Assemble & C/O: Timing Stability Mon Apparatus	60	10/10/05	01/05/06										
IJ03040030	AVAIL: Timing Stability Monitoring Apparatus	0		01/05/06										

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.02.03.05 Steering Stability Feedback &amp; Msmts</b>																																																																
IJ03050005	Define Steering stability specs	5	02/15/05	02/22/05																																																												
IJ0305	STEERING STABILITY FEEDBACK & MSMTS SUMMARY	155	02/15/05	09/23/05																																																												
IJ03050030	Eng & Dsn of Steering Stability Measurement	60	02/23/05	05/17/05																																																												
IJ03050045	COMP: Steering Stability Meas Engr & Design	0		05/17/05																																																												
IJ03050060	Procure Steering Stability Apparatus	60	05/18/05	08/11/05																																																												
IJ03050065	RCV: Steering Stability Apparatus	0		08/11/05																																																												
IJ03050090	Assemble & Checkout: Steering Stabilization App	30	08/12/05	09/23/05																																																												
IJ03050125	AVAIL:Steering Stability Apparatus for Install	0		09/23/05																																																												
<b>1.02.03.06 PreAmp Low Power Comp</b>																																																																
IJ03060000	Define PreAmplifier Low Power Comp Specs	10	02/15/05	03/01/05																																																												
IJ0306	PREAMPLIFIER LOW PWR COMP SUMMARY	110	02/15/05	07/21/05																																																												
IJ03060005	Design PreAmplifier Low Power Comp	20	03/02/05	03/29/05																																																												
IJ03060010	COMP: PreAmplifier Low Power Comp Design	0		03/29/05																																																												
IJ03060075	Fab (InHouse): Custom Low Power Compressor Parts	20	03/30/05	04/26/05																																																												
IJ03060065	Procure Low Power Compressor System Parts	60	03/30/05	06/22/05																																																												
IJ03060070	RCV: Low Power Compressor Parts	0		06/22/05																																																												
IJ03060085	Assemble: Low Power Compressor	20	06/23/05	07/21/05																																																												
IJ03060090	AVAIL: Low Power Compressor for Integration	0		07/21/05																																																												
<b>1.02.03.07 Transport to Tunnel &amp; Relay Optics</b>																																																																
IJ03070000	Define Beam path, Beam Properties & Model Xport	20	08/25/04	09/22/04																																																												
IJ0307	TRANSPORT TO TUNNEL & RELAY OPTICS SUMMARY	187	08/25/04	05/24/05																																																												
IJ03070005	Eng & Dsn of Vertical Transport Tube	60	09/23/04	12/17/04																																																												
IJ03070010	COMP: Beam tube enclosure engr & Dsn	0		12/17/04																																																												
IJ03070020	FAB (inhouse): Custom Parts Tubes, & Supports	30	12/20/04	02/03/05																																																												
IJ03070015	Procure Material and Parts	60	12/20/04	03/18/05																																																												
IJ03070025	Define Spatial Filter(Vacuum) & Opt Relay	10	01/03/05	01/14/05																																																												

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.02.03.07 Transport to Tunnel &amp; Relay Optics</b>																																																																
IJ03070030	Eng & Dsn of Spatial Filter & Opt Relay	20	01/18/05	02/14/05													■ Eng & Dsn of Spatial Filter & Opt Relay																																															
IJ03070022	RCV: Custom Parts Tubes, & Supports	0		02/03/05													◆ RCV: Custom Parts Tubes, & Supports																																															
IJ03070035	COMP: Spatial Filter & Opt Relay Eng & Dsn	0		02/14/05													◆ COMP: Spatial Filter & Opt Relay Eng & Dsn																																															
IJ03070040	FAB (inhouse): Custom Spatial Filter Hardware	20	02/15/05	03/15/05													■ FAB (inhouse): Custom Spatial Filter Hardware																																															
IJ03070050	Procure Spatial Filter & Opt Relay Parts	60	02/15/05	05/10/05													■ Procure Spatial Filter & Opt Relay Parts																																															
IJ03070045	RCV: Custom Spatial Filter Hardware	0		03/15/05													◆ RCV: Custom Spatial Filter Hardware																																															
IJ03070017	RCV: Material and Parts	0		03/18/05													◆ RCV: Material and Parts																																															
IJ03070023	AVAIL: Transport Tube for Installation	0		03/18/05													◆ AVAIL: Transport Tube for Installation																																															
IJ03070055	RCV: Spatial Filter & Opt Relay Parts	0		05/10/05													◆ RCV: Spatial Filter & Opt Relay Parts																																															
IJ03070060	Assemble: Spatial Filter & Opt Relay	10	05/11/05	05/24/05													■ Assemble: Spatial Filter & Opt Relay																																															
IJ03070065	AVAIL: Spatial Filter & Opt Relays for Integ	0		05/24/05													◆ AVAIL: Spatial Filter & Opt Relays for Integ																																															
<b>1.02.03.08 UV Launch,Conditioning &amp; Diagnostics</b>																																																																
IJ03080005	Design Launch System Beam Path and Layout	60*	06/01/04A	08/24/04													■ Design Launch System Beam Path and Layout																																															
IJ0308	UV LAUNCH,CONDITIONING & DIAGNOSTICS SUMMARY	315	06/01/04A	08/30/05													■ UV LAUNCH,CONDITIONING & DIAGNOSTICS SUMMARY																																															
IJ03080010	Design UV Beam Xport & Launch Optics	40	08/25/04	10/20/04													■ Design UV Beam Xport & Launch Optics																																															
IJ03080015	Design UV Beam Steering Stabilization App	15	10/21/04	11/10/04													■ Design UV Beam Steering Stabilization App																																															
IJ03080020	Design UV Spatial Profile Shaper	20	11/11/04	12/10/04													■ Design UV Spatial Profile Shaper																																															
IJ03080025	Eng & Dsn of Pulse Energy Control	20	12/13/04	01/12/05													■ Eng & Dsn of Pulse Energy Control																																															
IJ03080030	Eng & Dsn of UV Diagnostic	20	01/13/05	02/10/05													■ Eng & Dsn of UV Diagnostic																																															
IJ03080035	COMP: UV Launch,Conditioning & Diag engr & Dsn	0		02/10/05													◆ COMP: UV Launch,Conditioning & Diag engr & Dsn																																															
IJ03080040	FAB (inhouse): Custom Parts	20	02/11/05	03/11/05													■ FAB (inhouse): Custom Parts																																															
IJ03080045	Procure UV Launch,Conditioning & Diag HW	60	02/11/05	05/06/05													■ Procure UV Launch,Conditioning & Diag HW																																															
IJ03080050	RCV: UV Launch,Conditioning & Diag HW	0		05/06/05													◆ RCV: UV Launch,Conditioning & Diag HW																																															
IJ03080055	Assemble & C/O: UV Launch & Conditioning System	80	05/09/05	08/30/05													■ Assemble & C/O: UV Launch & Conditioning System																																															
IJ03080060	AVAIL: UV Launch & Conditioning System	0		08/30/05													◆ AVAIL: UV Launch & Conditioning System																																															

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<b>1.02.03.09 Load Lock Transport System</b>																																																																
IJ03090000	Define Load Lock Transport System Specs	20	10/17/05	11/11/05																									■ Define Load Lock Transport System Specs																																			
IJ0309	LOAD LOCK TRANSPORT SYSTEM SUMMARY	165	10/17/05	06/13/06																									■ LOAD LOCK TRANSPORT SYSTEM SUMMA																																			
IJ03090005	Eng & Dsn of Load Lock Transport System	40	11/14/05	01/12/06																									■ Eng & Dsn of Load Lock Transport System																																			
IJ03090035	COMP: Load Lock Transport System Engrg & Dsn	0		01/12/06																									◆ COMP: Load Lock Transport System Engrg & Dsn																																			
IJ03090040	FAB (inhouse): Custom Load Lock Transport Sys HW	30	01/13/06	02/27/06																									■ FAB (inhouse): Custom Load Lock Transport Sys																																			
IJ03090045	Procure Load Lock Transport Sys Parts	60	01/13/06	04/10/06																									■ Procure Load Lock Transport Sys Parts																																			
IJ03090042	RCV: Custom Load Lock Transport Sys HW	0		02/27/06																									◆ RCV: Custom Load Lock Transport Sys HW																																			
IJ03090050	RCV: Load Lock Transport Sys Parts	0		04/10/06																									◆ RCV: Load Lock Transport Sys Parts																																			
IJ03090052	Install transport tubes and supports	15	04/11/06	05/01/06																									■ Install transport tubes and supports																																			
IJ03090055	Assemble, Integ & C/O:Load Lock Transport System	30	05/02/06	06/13/06																									■ Assemble, Integ & C/O:Load Lock Transport																																			
IJ03090060	AVAIL: Load Lock Transport System	0		06/13/06																									◆ AVAIL: Load Lock Transport System																																			
<b>1.02.03.10 Visible Optical Transport &amp; Diag</b>																																																																
IJ03250000	Define Visible Beam properties, Beam path/model	10	07/15/05	07/28/05																									■ Define Visible Beam properties, Beam path/model																																			
IJ0325	VISIBLE OPTICAL TRANSPORT & DIAG SUMMARY	155	07/15/05	02/27/06																									■ VISIBLE OPTICAL TRANSPORT & DIAG SUMMA																																			
IJ03250005	Define Visible Beam transport Diagnostics Rqmts	15	07/29/05	08/18/05																									■ Define Visible Beam transport Diagnostics Rqmts																																			
IJ03250015	Design Visible Beam Transport Optics & Encl	20	08/19/05	09/16/05																									■ Design Visible Beam Transport Optics & Encl																																			
IJ03250035	COMP: Visible Beam transport Optics & encl engr	0		09/16/05																									◆ COMP: Visible Beam transport Optics & encl engr																																			
IJ03250025	Design Visible Beam Transport Diagnostics	20	09/19/05	10/14/05																									■ Design Visible Beam Transport Diagnostics																																			
IJ03250055	Procure Transport Tube Material	60	09/19/05	12/13/05																									■ Procure Transport Tube Material																																			
IJ03250065	Procure Visible Beam Transport Optics & Diag HW	60	09/19/05	12/13/05																									■ Procure Visible Beam Transport Optics & Diag HW																																			
IJ03250040	COMP: Visible Beam transport Diagnostics engr &	0		10/14/05																									◆ COMP: Visible Beam transport Diagnostics engr &																																			
IJ03250060	RCV: Procured Transport Tube Material	0		12/13/05																									◆ RCV: Procured Transport Tube Material																																			
IJ03250070	RCV: Visible Beam Transport Optics & Diag HW	0		12/13/05																									◆ RCV: Visible Beam Transport Optics & Diag HW																																			
IJ03250045	FAB (inhouse): Visible Beam Transport Tube	20	12/14/05	01/12/06																									■ FAB (inhouse): Visible Beam Transport Tube																																			
IJ03250050	FAB (inhouse):Custom Visible Beam Xport Opt Supt	20	12/14/05	01/12/06																									■ FAB (inhouse):Custom Visible Beam Xport Opt Supt																																			
IJ03250085	Assemble: Visible Beam Transport Optics & Encl	20	01/13/06	02/10/06																									■ Assemble: Visible Beam Transport Optics & Encl																																			

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<b>1.02.03.10 Visible Optical Transport &amp; Diag</b>																																																																
IJ03250120	AVAIL: Visible Beam Transport & Encl	0		02/10/06																																																	◆ AVAIL: Visible Beam Transport & Encl											
IJ03250100	Assemble: Visible Beam transport diagnostics	10	02/13/06	02/27/06																																																	■ Assemble: Visible Beam transport diagnostics											
IJ03250125	AVAIL: Visible Beam Transport Diagnostics	0		02/27/06																																																	◆ AVAIL: Visible Beam Transport Diagnostics											
<b>1.02.03.11 LB Infrastructure &amp; LB System-Wide Items</b>																																																																
IJ03280120	Safety Documents Preparation	40*	06/01/04A	07/27/04	■ Safety Documents Preparation																																																											
IJ0328	LB INFRASTRUC & LB SYSTEM-WIDE & MISC. ITEMS SUM	347	06/01/04A	10/14/05													■ LB INFRASTRUC & LB SYSTEM-WIDE & MISC. ITEMS SUM																																															
IJ03280100	Drive Laser Dsn Technical Review planning	20*	06/21/04A	07/19/04	■ Drive Laser Dsn Technical Review planning																																																											
IJ03280105	Drive Laser Design Review	1	07/21/04*	07/21/04	■ Drive Laser Design Review																																																											
IJ03280110	Drive Laser Design Modifications	10	07/22/04	08/04/04	■ Drive Laser Design Modifications																																																											
IJ03280045	Define Laser Bay Equipment Requirements	5	10/04/04	10/08/04	■ Define Laser Bay Equipment Requirements																																																											
IJ03280060	Define OAL Equipment Requirements	5	10/04/04	10/08/04	■ Define OAL Equipment Requirements																																																											
IJ03280065	Develop OAL Design	20	10/11/04	11/05/04	■ Develop OAL Design																																																											
IJ03280050	Procure Laser Bay Equipment	60	10/11/04	01/07/05	■ Procure Laser Bay Equipment																																																											
IJ03280070	Procure OAL Equipment	60	11/08/04	02/07/05	■ Procure OAL Equipment																																																											
IJ03280000	Define Optical Table Specs	10	01/03/05	01/14/05	■ Define Optical Table Specs																																																											
IJ03280055	RCV: Laser Bay Equipment	0		01/07/05	◆ RCV: Laser Bay Equipment																																																											
IJ03280005	Design Optical Tables, Legs & Encl	60	01/18/05	04/12/05	■ Design Optical Tables, Legs & Encl																																																											
IJ03280075	RCV: OAL Equipment	0		02/07/05	◆ RCV: OAL Equipment																																																											
IJ03280080	REQD: Room for the OAL Available	0		02/07/05	◆ REQD: Room for the OAL Available																																																											
IJ03280085	Install OAL Equipment	20	02/08/05	03/08/05	■ Install OAL Equipment																																																											
IJ03280090	AVAIL: OAL	0		03/08/05	◆ AVAIL: OAL																																																											
IJ03280010	COMP: Optical Tables, Legs & Encl Engr & Dsn	0		04/12/05	◆ COMP: Optical Tables, Legs & Encl Engr & Dsn																																																											
IJ03280115	Drive Laser Bay Earthquake Safety Review plng	10	04/13/05	04/26/05	■ Drive Laser Bay Earthquake Safety Review plng																																																											
IJ03280015	Procure Laser Bay Optical Tables, Legs & Encl	90	04/13/05	08/18/05	■ Procure Laser Bay Optical Tables, Legs & Encl																																																											
IJ03280025	REQD: Sector 20 Alcove Beneficial Occupancy	0		07/18/05	◆ REQD: Sector 20 Alcove Beneficial Occupancy																																																											
IJ03280020	RCV: Laser Bay Optical Tables, Legs & Encl	0		08/18/05	◆ RCV: Laser Bay Optical Tables, Legs & Encl																																																											







Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.02.04.01 RF Gun (Copper Brazement Only)</b>																																																																
IJ04010060	Vendor RF Gun Production Design and Build	220	12/14/04	10/27/05																									Vendor RF Gun Production Design and Build																																			
IJ04010065	RCV: RF Gun (tested and passed at vendor)	0		10/27/05																																					RCV: RF Gun (tested and passed at vendor)																							
IJ04010070	AVAIL: RF Gun Assembly Ready for Install	0		10/27/05																																					AVAIL: RF Gun Assembly Ready for Install																							
MSB_0295	RF Gun Assembly Ready for Install	0		10/31/05*																																					RF Gun Assembly Ready for Install																							
<b>1.02.04.02 RF Gun Supports</b>																																																																
IJ04020000	Define RF Gun Support Requirements	10	09/01/04	09/15/04																									Define RF Gun Support Requirements																																			
IJ0402	RF GUN SUPPORT SUMMARY	90	09/01/04	01/12/05																									RF GUN SUPPORT SUMMARY																																			
IJ04020010	COMP: RF Gun Requirements Support Definitions	0		09/15/04																																					COMP: RF Gun Requirements Support Definitions																							
IJ04020100	Design RF Gun Support	20	09/16/04	10/13/04																									Design RF Gun Support																																			
IJ04020105	COMP: RF Gun Supports Design	0		10/13/04																																					COMP: RF Gun Supports Design																							
IJ04020107	Procure RF Gun Support	60	10/14/04	01/12/05																									Procure RF Gun Support																																			
IJ04020125	AVAIL: RF Gun Support Assy Ready for Install	0		01/12/05																																					AVAIL: RF Gun Support Assy Ready for Install																							
<b>1.02.04.03 Gun Load Lock</b>																																																																
IJ04030005	Define Load Lock Cathode Clamping Reqmts	10	01/03/05*	01/14/05																									Define Load Lock Cathode Clamping Reqmts																																			
IJ04030010	Define Load Lock Cathode Transfer Reqmts	20	01/03/05*	01/31/05																									Define Load Lock Cathode Transfer Reqmts																																			
IJ0403	GUN LOAD LOCK SUMMARY	648	01/03/05	07/27/07																									GUN LOAD LOCK SUMMARY																																			
IJ04030015	COMP: Load Lock Requirements Definition	0		01/31/05																																					COMP: Load Lock Requirements Definition																							
IJ04030020	Design Cathode Clamping	40	02/01/05	03/29/05																									Design Cathode Clamping																																			
IJ04030025	Prototype - Cathode Clamping	40	03/30/05	05/24/05																									Prototype - Cathode Clamping																																			
IJ04030030	Evaluate - Cathode Clamping prototype	5	05/25/05	06/01/05																									Evaluate - Cathode Clamping prototype																																			
IJ04030035	Design Cathode Transfer	60	06/02/05	08/25/05																									Design Cathode Transfer																																			
IJ04030040	Design Cathode Tuner	60	08/26/05	11/18/05																									Design Cathode Tuner																																			
IJ04030050	Design Load Lock	142	11/21/05	06/15/06																									Design Load Lock																																			
IJ04030045	Design Load Lock Transporter	120	06/16/06	12/06/06																																					Design Load Lock Transporter																							
IJ04030055	COMP: Load Lock Design	0		12/06/06																																					COMP: Load Lock Design																							
IJ04030060	Prep Bid Pak - Load Lock Cathode	20	12/07/06	01/05/07																									Prep Bid Pak - Load Lock Cathode																																			

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.02.04.03 Gun Load Lock</b>																																																																
IJ04030065	RELEASE RFP: Load Lock Cathode	0		01/05/07																																																												
IJ04030070	Vendors Prep Proposals - Load Lock Cathode	10	01/08/07	01/22/07																																																												
IJ04030075	RCV: Vendor Proposals -Load Lock Cathode	0		01/22/07																																																												
IJ04030085	Evaluate Proposals - Load Lock Cathode	10	01/23/07	02/05/07																																																												
IJ04030090	AWARD: Contract for Load Lock Cathode	1	02/06/07	02/06/07																																																												
IJ04030095	Vendor Fab Load Lock Cathode	120	02/07/07	07/27/07																																																												
IJ04030100	RCV:Load Lock Cathode (tested&passed at vendor)	0		07/27/07																																																												
IJ04030105	AVAIL: Gun Load Lock Assembly Ready for Install	0		07/27/07																																																												
<b>1.02.04.04 Gun Load Lock Supports</b>																																																																
IJ04040100	Define Load Lock Support Requirements	10	12/07/06	12/20/06																																																												
IJ0404	GUN LOAD LOCK SUPPORT SUMMARY	134	12/07/06	06/19/07																																																												
IJ04040105	COMP: Load Lock Support Requirements Definition	0		12/20/06																																																												
IJ04040110	Design Load Lock Support	20	12/21/06	01/22/07																																																												
IJ04040115	COMP: Load Lock Support Design	0		01/22/07																																																												
IJ04040120	Prep Bid Pak - Load Lock Support	20	01/23/07	02/20/07																																																												
IJ04040122	RELEASE RFP: Load Lock Support	0		02/20/07																																																												
IJ04040125	Vendors Prep Proposals - Load Lock Support	10	02/21/07	03/06/07																																																												
IJ04040130	RCV: Vendor Proposals -Load Lock Support	0		03/06/07																																																												
IJ04040140	Evaluate Proposals - Load Lock Support	10	03/07/07	03/20/07																																																												
IJ04040145	AWARD: Contract for Load Lock Support	1	03/21/07	03/21/07																																																												
IJ04040150	Vendor Fab Load Lock Support	63	03/22/07	06/19/07																																																												
IJ04040155	RCV:Load Lock Support (tested&passed at vendor)	0		06/19/07																																																												
IJ04040160	AVAIL: Load Lock Support Assy Ready for Instl	0		06/19/07																																																												
<b>1.02.04.05 Gun Solenoid</b>																																																																
IJ04050100	Define Solenoid & Skew Quad Requirements	10	04/01/04A	04/08/04A																																																												
IJ04050104	Design Solenoid Core	85*	04/01/04A	07/30/04																																																												

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.02.04.05 Gun Solenoid</b>																																																																
IJ04050106	Design Solenoid Coil	85*	04/01/04A	07/30/04	■ Design Solenoid Coil																																																											
IJ04050107	Design Skew Quad Coil	85*	04/01/04A	07/30/04	■ Design Skew Quad Coil																																																											
IJ0405	GUN SOLENOID SUMMARY	379	04/01/04A	09/30/05	■ GUN SOLENOID SUMMARY																																																											
IJ04050102	COMP: Gun Solenoid & Skew Quad Requirements Defi	0		04/08/04A	▶ COMP: Gun Solenoid & Skew Quad Requirements Defi																																																											
IJ04050108	Design Solenoid Electrical Connections	10	08/02/04*	08/13/04	■ Design Solenoid Electrical Connections																																																											
IJ04050110	Design Solenoid Cooling Manifold	10	08/16/04*	08/27/04	■ Design Solenoid Cooling Manifold																																																											
IJ04050112	Design Solenoid Assembly	40	08/30/04	10/25/04	■ Design Solenoid Assembly																																																											
IJ04050114	COMP: Gun Solenoid Design	0		10/25/04	◆ COMP: Gun Solenoid Design																																																											
IJ04050115	Prep Bid Pak - Solenoid Magnet Assembly	5	10/26/04	11/01/04	■ Prep Bid Pak - Solenoid Magnet Assembly																																																											
IJ04050120	RELEASE RFP: Solenoid Magnet Assembly	0		11/01/04	◆ RELEASE RFP: Solenoid Magnet Assembly																																																											
IJ04050125	Vendor Prep Proposals - Solenoid Magnet Assembly	10	11/02/04	11/15/04	■ Vendor Prep Proposals - Solenoid Magnet Assembly																																																											
IJ04050130	RCV: Proposals - Solenoid Magnet Assembly	0		11/15/04	◆ RCV: Proposals - Solenoid Magnet Assembly																																																											
IJ04050135	Evaluate Proposals - Solenoid Magnet Assembly	5	11/16/04	11/22/04	■ Evaluate Proposals - Solenoid Magnet Assembly																																																											
IJ04050140	AWARD: Contract for Solenoid Magnet Assembly	1	11/23/04	11/23/04	■ AWARD: Contract for Solenoid Magnet Assembly																																																											
IJ04050145	Vendor Fab Solenoid Magnet Assembly	100	11/24/04	04/21/05	■ Vendor Fab Solenoid Magnet Assembly																																																											
IJ04050150	RCV: Solenoid Magnet Assembly	0		04/21/05	◆ RCV: Solenoid Magnet Assembly																																																											
IJ04050160	Perform Lab Tests on Sol Magnet Assembly	40	04/22/05	06/17/05	■ Perform Lab Tests on Sol Magnet Assembly																																																											
IJ04050165	AVAIL: Gun Solenoid Ready for Installation	0		06/17/05	◆ AVAIL: Gun Solenoid Ready for Installation																																																											
MS3_IJ015	Gun Solenoid Ready for Installation	0		09/30/05*	◆ Gun Solenoid Ready for Installation																																																											
<b>1.02.04.06 Gun Solenoid Supports</b>																																																																
IJ04060000	Define Solenoid Support Requirements	5	02/02/04A	02/06/04A																																																												
IJ0406	GUN SOLENOID SUPPORTS SUMMARY	348	02/02/04A	06/17/05	■ GUN SOLENOID SUPPORTS SUMMARY																																																											
IJ04060010	COMP: GS Support Requirements Definition	0		02/06/04A																																																												
IJ04060020	Design Solenoid Supports	22	08/02/04*	08/31/04	■ Design Solenoid Supports																																																											
IJ04060030	COMP: Gun Solenoid Support Design	0		08/31/04	◆ COMP: Gun Solenoid Support Design																																																											
IJ04060035	Prep Bid Pak - Solenoid Supports	22	09/01/04*	10/01/04	■ Prep Bid Pak - Solenoid Supports																																																											

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.02.04.06 Gun Solenoid Supports</b>																																																																
IJ04060040	RELEASE RFP: Solenoid Supports	0		10/01/04																																																												
IJ04060045	Vendor Prep Proposals - Solenoid Supports	10	11/01/04*	11/12/04																																																												
IJ04060050	RCV: Proposals - Solenoid Supports	0		11/12/04																																																												
IJ04060055	Evaluate Proposals - Solenoid Supports	5	11/15/04	11/19/04																																																												
IJ04060060	AWARD: Contract for Solenoid Supports	1	11/22/04	11/22/04																																																												
IJ04060065	Vendor Fab Solenoid Supports	40	11/23/04	01/25/05																																																												
IJ04060070	RCV: Solenoid Supports	0		01/25/05																																																												
IJ04060080	AVAIL: Gun Solenoid Support Ready for Instl	0		06/17/05																																																												
<b>1.02.04.07 Gun RF Feed</b>																																																																
IJ04070000	Define Gun RF Feed Requirements	2	02/02/04A	02/03/04A																																																												
IJ0407	GUN RF FEED SUMMARY	301	02/02/04A	04/12/05																																																												
IJ04070005	COMP: Gun RF Feed Requirements	0		02/03/04A																																																												
IJ04070010	Design Gun RF Feed	107*	04/01/04A	08/31/04																																																												
IJ04070025	COMP: Gun RF Feed Design	0		08/31/04																																																												
IJ04070026	Prep Bid Pak - Isolator	10	09/01/04	09/15/04																																																												
IJ04070027	RELEASE: RFP - Isolator	0		09/15/04																																																												
IJ04070028	Vendors Prep Prop- Isolator	10	09/16/04	09/29/04																																																												
IJ04070029	RCV: Vendor Prop- Isolator	0		09/29/04																																																												
IJ04070031	Eval Vendor Prop- Isolator	5	09/30/04	10/06/04																																																												
IJ04070035	Procure Splitter Material	60	10/04/04	12/30/04																																																												
IJ04070032	AWARD: Isolator	1	10/07/04	10/07/04																																																												
IJ04070030	Vendor Fab & Assy - 1 Isolator	90	10/08/04	02/18/05																																																												
IJ04070040	RCV: Splitter Material	0		12/30/04																																																												
IJ04070045	Fab & Assemble Splitter Assembly	60	01/03/05	03/29/05																																																												
IJ04070055	Perform Lab Tests on Gun RF Feed Assembly	10	03/30/05	04/12/05																																																												
IJ04070060	AVAIL: Gun RF Feed Assy Ready for Install	0		04/12/05																																																												

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.02.04.08 Gun RF Feed Supports</b>																																																																
IJ04080000	Define Gun RF Feed Supports Requirements	4	02/02/04A	02/05/04A																																																												
IJ0408	GUN RF FEED SUPPORTS SUMMARY	281	02/02/04A	03/15/05													■ GUN RF FEED SUPPORTS SUMMARY																																															
IJ04080005	COMP: Gun RF Feed Supports Reqmts Definition	0		02/05/04A																																																												
IJ04080010	Design Gun RF Feed Supports	40	10/04/04	11/30/04													■ Design Gun RF Feed Supports																																															
IJ04080015	COMP: Gun RF Feed Supports Design	0		11/30/04													◆ COMP: Gun RF Feed Supports Design																																															
IJ04080017	Procure Gun RF Feed Supports Materials	70	12/01/04	03/15/05													■ Procure Gun RF Feed Supports Materials																																															
IJ04080035	AVAIL: Gun RF Feed Supports Ready for Instl	0		03/15/05													◆ AVAIL: Gun RF Feed Supports Ready for Instl																																															
<b>1.02.05 Gun to Linac Section (GTL)</b>																																																																
IJ05	INJECTOR GTL SUMMARY	496	01/02/04A	12/20/05													■ INJECTOR GTL SUMMARY																																															
<b>1.02.05.01 GTL BPMs (3ea)</b>																																																																
IJ05010000	Define BPM (3ea) Requirements	2	04/01/04A	04/02/04A	Define BPM (3ea) Requirements																																																											
IJ0501	GTL BPM (3ea) SUMMARY	302	04/01/04A	06/13/05	■ GTL BPM (3ea) SUMMARY																																																											
IJ05010010	Design BPM (3ea)	23*	05/01/04A	06/03/04	■ Design BPM (3ea)																																																											
IJ05010005	COMP: BPM (3ea) Requirements	0		05/28/04	◆ COMP: BPM (3ea) Requirements																																																											
IJ05010015	COMP: BPM (3ea) Design	0		06/03/04	◆ COMP: BPM (3ea) Design																																																											
IJ05010100	Define BPM (3ea) Support Requirements	2	06/04/04	06/07/04	Define BPM (3ea) Support Requirements																																																											
IJ05010016	Prep Bid Pak - BPM (3ea)	5	06/04/04	06/10/04	■ Prep Bid Pak - BPM (3ea)																																																											
IJ05010105	COMP: BPM (3ea) Supt Reqmts Definition	0		06/07/04	◆ COMP: BPM (3ea) Supt Reqmts Definition																																																											
IJ05010110	Design BPM (3ea) Supports	10	06/08/04	06/21/04	■ Design BPM (3ea) Supports																																																											
IJ05010017	RELEASE RFP: BPM (3ea)	0	06/11/04	06/10/04	■ RELEASE RFP: BPM (3ea)																																																											
IJ05010018	Vendor Prep Proposals - BPM (3ea)	10	06/11/04	06/24/04	■ Vendor Prep Proposals - BPM (3ea)																																																											
IJ05010115	COMP: BPM (3ea) Support Design	0		06/21/04	◆ COMP: BPM (3ea) Support Design																																																											
IJ05010120	Prep Bid Pak - BPM (3ea) Supports	5	06/22/04	06/28/04	■ Prep Bid Pak - BPM (3ea) Supports																																																											
IJ05010019	RCV: Proposals - BPM (3ea)	0	06/25/04	06/24/04	■ RCV: Proposals - BPM (3ea)																																																											
IJ05010021	Evaluate Proposals -BPM (3ea)	5	06/25/04	07/01/04	■ Evaluate Proposals -BPM (3ea)																																																											
IJ05010125	RELEASE RFP: BPM (3ea) Supports	0		06/28/04	◆ RELEASE RFP: BPM (3ea) Supports																																																											

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.02.05.01 GTL BPMs (3ea)</b>																																																																
IJ05010130	Vendor Prep Proposals - BPM (3ea) Supports	10	06/29/04	07/13/04	█ Vendor Prep Proposals - BPM (3ea) Supports																																																											
IJ05010135	RCV: Proposals - BPM (3ea) Supports	0		07/13/04	◆ RCV: Proposals - BPM (3ea) Supports																																																											
IJ05010140	Evaluate Proposals -BPM (3ea) Supports	5	07/14/04	07/20/04	█ Evaluate Proposals -BPM (3ea) Supports																																																											
IJ05010022	AWARD: Contract for BPM (3ea)	1	10/04/04	10/04/04	AWARD: Contract for BPM (3ea)																																																											
IJ05010145	AWARD: Contract for BPM (3ea) Supts	1	10/04/04	10/04/04	AWARD: Contract for BPM (3ea) Supts																																																											
IJ05010150	Vendor Fab BPM (3ea) Supports	40	10/05/04	12/01/04	█ Vendor Fab BPM (3ea) Supports																																																											
IJ05010023	Vendor Fab BPM (3ea)	90	10/05/04	02/15/05	█ Vendor Fab BPM (3ea)																																																											
IJ05010155	RCV: BPM (3ea) Supports	0		12/01/04	◆ RCV: BPM (3ea) Supports																																																											
IJ05010180	AVAIL: GTL BPM (3ea) Supts Ready for Instl	0		12/01/04	◆ AVAIL: GTL BPM (3ea) Supts Ready for Instl																																																											
IJ05010024	RCV: BPM (3ea)	0	02/16/05	02/15/05	RCV: BPM (3ea)																																																											
IJ05010035	Perform Lab Tests on BPM (3ea) Assembly	40	02/16/05	04/13/05	█ Perform Lab Tests on BPM (3ea) Assembly																																																											
IJ05010037	Vacuum Process BPM (3ea)	42	04/14/05	06/13/05	█ Vacuum Process BPM (3ea)																																																											
IJ05010040	AVAIL: GTL BPM (3ea) Ready for Install	0		06/13/05	◆ AVAIL: GTL BPM (3ea) Ready for Install																																																											
<b>1.02.05.02 GTL Faraday Cup/YAG1</b>																																																																
IJ05020125	Design FC/YAG1 (1ea)	107*	04/01/04A	08/31/04	█ Design FC/YAG1 (1ea)																																																											
IJ0502	GTL FARADAY CUP/YAG1 (1ea) SUMMARY	250	04/01/04A	03/30/05	█ GTL FARADAY CUP/YAG1 (1ea) SUMMARY																																																											
IJ05020100	Define FC/YAG1 Requirements (1ea)	21	07/01/04*	07/30/04	█ Define FC/YAG1 Requirements (1ea)																																																											
IJ05020105	COMP: FC/YAG1 Requirements (1ea)	0		07/30/04	◆ COMP: FC/YAG1 Requirements (1ea)																																																											
IJ05020225	Define FC/YAG1 Support Rqmts (1ea)	21	08/02/04*	08/30/04	█ Define FC/YAG1 Support Rqmts (1ea)																																																											
IJ05020235	COMP: FC/YAG1 Supt Reqmts Def (1ea)	0		08/30/04	◆ COMP: FC/YAG1 Supt Reqmts Def (1ea)																																																											
IJ05020140	COMP: FC/YAG1 Design (1ea)	0		08/31/04	◆ COMP: FC/YAG1 Design (1ea)																																																											
IJ05020141	Prep Bid Pak - FC/YAG1	5	09/01/04	09/08/04	█ Prep Bid Pak - FC/YAG1																																																											
IJ05020240	Design FC/YAG1 Supports (1ea)	20	09/01/04	09/29/04	█ Design FC/YAG1 Supports (1ea)																																																											
IJ05020142	RELEASE RFP: FC/YAG1	0	09/09/04	09/08/04	RELEASE RFP: FC/YAG1																																																											
IJ05020143	Vendor Prep Proposals - FC/YAG1	10	09/09/04	09/22/04	█ Vendor Prep Proposals - FC/YAG1																																																											
IJ05020144	RCV: Proposals - FC/YAG1	0	09/23/04	09/22/04	RCV: Proposals - FC/YAG1																																																											



Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.02.05.02 GTL Faraday Cup/YAG1</b>																																																																
IJ05020145	Evaluate Proposals -FC/YAG1	5	09/23/04	09/29/04	Evaluate Proposals -FC/YAG1																																																											
IJ05020250	COMP: FC/YAG1 Supt Design (1ea)	0		09/29/04	COMP: FC/YAG1 Supt Design (1ea)																																																											
IJ05020255	Prep Bid Pak - FC/YAG1 Supports	5	09/30/04	10/06/04	Prep Bid Pak - FC/YAG1 Supports																																																											
IJ05020146	AWARD: Contract for FC/YAG1	1	10/04/04	10/04/04	AWARD: Contract for FC/YAG1																																																											
IJ05020147	Vendor Fab FC/YAG1	90	10/05/04	02/15/05	Vendor Fab FC/YAG1																																																											
IJ05020260	RELEASE RFP: FC/YAG1 Supports	0		10/06/04	RELEASE RFP: FC/YAG1 Supports																																																											
IJ05020265	Vendor Prep Proposals - FC/YAG1 Supports	10	10/07/04	10/20/04	Vendor Prep Proposals - FC/YAG1 Supports																																																											
IJ05020275	RCV: Proposals - FC/YAG1 Supports	0		10/20/04	RCV: Proposals - FC/YAG1 Supports																																																											
IJ05020280	Evaluate Proposals - FC/YAG1 Supports	5	10/21/04	10/27/04	Evaluate Proposals - FC/YAG1 Supports																																																											
IJ05020285	AWARD: Contract for FC/YAG1 Supports	1	10/28/04	10/28/04	AWARD: Contract for FC/YAG1 Supports																																																											
IJ05020290	Vendor Fab FC/YAG1 Supports	100	10/29/04	03/28/05	Vendor Fab FC/YAG1 Supports																																																											
IJ05020148	RCV: FC/YAG1	0	02/16/05	02/15/05	RCV: FC/YAG1																																																											
IJ05020195	Perform Lab Tests on FC/YAG1 Assy (1ea)	30	02/16/05	03/30/05	Perform Lab Tests on FC/YAG1 Assy (1ea)																																																											
IJ05020295	RCV: FC/YAG1 Supports	0		03/28/05	RCV: FC/YAG1 Supports																																																											
IJ05020297	AVAIL:FC/YAG1 Supt Assy Rdy for Ins(1ea)	0		03/28/05	AVAIL:FC/YAG1 Supt Assy Rdy for Ins(1ea)																																																											
IJ05020220	AVAIL:FC/YAG1 Assy Ready for Instl(1ea)	0		03/30/05	AVAIL:FC/YAG1 Assy Ready for Instl(1ea)																																																											
<b>1.02.05.03 GTL Current Monitors (CM1)</b>																																																																
IJ05030000	Define Current Monitor (CM1) Requirements	5	01/02/04A	01/09/04A																																																												
IJ05030045	Define Current Monitor (CM1) Support Requirement	5	01/02/04A	01/09/04A																																																												
IJ0503	GTL CURRENT MONITOR (CM1)	358	01/02/04A	06/03/05	GTL CURRENT MONITOR (CM1)																																																											
IJ05030005	COMP: Current Monitor (CM1) Requirements	0		01/09/04A																																																												
IJ05030050	COMP: Current Monitor (CM1) Supt Reqmts Definiti	0		01/09/04A																																																												
IJ05030010	Design Current Monitor (CM1)	3	10/04/04	10/06/04	Design Current Monitor (CM1)																																																											
IJ05030055	Design Current Monitor (CM1) Supports	3	10/04/04	10/06/04	Design Current Monitor (CM1) Supports																																																											
IJ05030015	COMP: Current Monitor (CM1) Design	0		10/06/04	COMP: Current Monitor (CM1) Design																																																											
IJ05030060	COMP: Current Monitor (CM1) Support Design	0		10/06/04	COMP: Current Monitor (CM1) Support Design																																																											

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.02.05.03 GTL Current Monitors (CM1)</b>																																																																
IJ05030065	Prep Bid Pak - Current Monitor (CM1) Supports	5	10/07/04	10/13/04													█ Prep Bid Pak - Current Monitor (CM1) Supports																																															
IJ05030020	Procure Current Monitor (CM1)	90	10/07/04	02/17/05													█ Procure Current Monitor (CM1)																																															
IJ05030070	RELEASE RFP: Current Monitor (CM1) Supports	0		10/13/04													◆ RELEASE RFP: Current Monitor (CM1) Supports																																															
IJ05030075	Vendor Prep Proposals - Current Monitor Supports	10	10/14/04	10/27/04													█ Vendor Prep Proposals - Current Monitor Supports																																															
IJ05030080	RCV: Proposals - Current Monitor (CM1) Supports	0		10/27/04													◆ RCV: Proposals - Current Monitor (CM1) Supports																																															
IJ05030085	Evaluate Proposals -Current Monitor (CM Supports	5	10/28/04	11/03/04													█ Evaluate Proposals -Current Monitor (CM Supports																																															
IJ05030090	AWARD: Contract for Current Monitor (CM1) Supts	1	11/04/04	11/04/04													█ AWARD: Contract for Current Monitor (CM1) Supts																																															
IJ05030095	Vendor Fab Current Monitor (CM1) Supports	40	11/05/04	01/06/05													█ Vendor Fab Current Monitor (CM1) Supports																																															
IJ05030100	RCV: Current Monitor (CM1) Supports	0		01/06/05													◆ RCV: Current Monitor (CM1) Supports																																															
IJ05030120	AVAIL: GTL Current Monitor Supt Ready for Instl	0		01/06/05													◆ AVAIL: GTL Current Monitor Supt Ready for Instl																																															
IJ05030025	RCV: Current Monitor (CM1)	0		02/17/05													◆ RCV: Current Monitor (CM1)																																															
IJ05030030	Assemble Current Monitor (CM1) Assembly	2	02/18/05	02/22/05													█ Assemble Current Monitor (CM1) Assembly																																															
IJ05030035	Perform Lab Tests on Current Monitor (CM1) Assy	30	02/23/05	04/05/05													█ Perform Lab Tests on Current Monitor (CM1) Assy																																															
IJ05030037	Vacuum Process CM1	42	04/06/05	06/03/05													█ Vacuum Process CM1																																															
IJ05030040	AVAIL: GTL Current Monitor Ready for Instl	0		06/03/05													◆ AVAIL: GTL Current Monitor Ready for Instl																																															
<b>1.02.05.04 Reserved</b>																																																																
IJ0504	GTL BUNCH LENGTH MONITOR (EO1) DELETED	1	06/01/04	06/01/04													█ GTL BUNCH LENGTH MONITOR (EO1) DELETED																																															
<b>1.02.05.06 GTL Steering Coils, (2) (SC1)</b>																																																																
IJ05060010	Design Coils (SC1)	10	06/01/04A	06/14/04													█ Design Coils (SC1)																																															
IJ0506	GTL STEERING COILS, (1ea)X-Y (SC1)	127	06/01/04A	11/30/04													█ GTL STEERING COILS, (1ea)X-Y (SC1)																																															
IJ05060000	Define Steering Coils, (1ea) (SC1) Requirements	21	07/01/04*	07/30/04													█ Define Steering Coils, (1ea) (SC1) Requirements																																															
IJ05060005	COMP: Steering Coils, (1ea) (SC1) Requirements	0		07/30/04													◆ COMP: Steering Coils, (1ea) (SC1) Requirements																																															
IJ17160005	Install Barrier Wall	2	08/02/04*	08/03/04													█ Install Barrier Wall																																															
IJ05060015	Design Electrical Connections (SC1)	3	08/02/04*	08/04/04													█ Design Electrical Connections (SC1)																																															
IJ17160015	Vent sectors 20/21	10	08/04/04	08/17/04													█ Vent sectors 20/21																																															
IJ17160020	Remove instrument section	10	08/04/04	08/17/04													█ Remove instrument section																																															



Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.02.05.07 GTL Vacuum Components</b>																																																																
IJ05070000	Define Special RF Valve Requirements	5	10/04/04	10/08/04																																																												
IJ05070140	Define Special Beam Pump/Spool Supt Rqmts	5	10/04/04	10/08/04																																																												
IJ0507	GTL VACUUM COMPONENTS	305	10/04/04	12/20/05																																																												
IJ05070005	COMP: Special RF Valve Requirements	0		10/08/04																																																												
IJ05070144	COMP: Special Beam Pump/Spool Supt Definition	0		10/08/04																																																												
IJ05070010	Design Special RF Valve/Spool/Pumping	42	03/01/05	04/27/05																																																												
IJ05070015	COMP: Special RF Valve/Spool/Pumping Design	0		04/27/05																																																												
IJ05070045	Define Special RF Valve Support Requirements	5	04/28/05	05/04/05																																																												
IJ05070020	Procure Special RF Valve/Spool	90	04/28/05	09/02/05																																																												
IJ05070022	Procure Pumps/Gauges	90	04/28/05	09/02/05																																																												
IJ05070055	COMP: Special RF Valve Supt Reqmts Definition	0		05/04/05																																																												
IJ05070060	Design Special RF Valve Supports	10	05/05/05	05/18/05																																																												
IJ05070070	COMP: Special RF Valve Support Design	0		05/18/05																																																												
IJ05070146	Design Special Beam Pump/Spool Supports	10	05/19/05	06/02/05																																																												
IJ05070075	Procure Special RF Valve Support Materials	30	05/19/05	06/30/05																																																												
IJ05070150	COMP: Special Beam Pump/Spool Supports	0		06/02/05																																																												
IJ05070152	Procure Special Beam Pump/Spool Supt Materials	30	06/03/05	07/15/05																																																												
IJ05070080	RCV: Special RF Valve Support Materials	0		06/30/05																																																												
IJ05070085	Fab & Assemble Special RF Valve Support Assembly	10	07/01/05	07/15/05																																																												
IJ05070090	AVAIL: GTL Special RF Valve Supt Ready for Inst	0		07/15/05																																																												
IJ05070154	RCV: Special Beam Pump/Spool Supt Materials	0		07/15/05																																																												
IJ05070156	Fab & Assy Special Beam Pump/Spool Supts Assy	10	07/18/05	07/29/05																																																												
IJ05070160	AVAIL:Special Beam Pump/Spool Supts Rdy to Inst	0		07/29/05																																																												
IJ05070025	RCV: Special RF Valve/Spool/Pumps	0		09/02/05																																																												
IJ05070030	Assemble Special RF Valve/Spool Assembly	2	09/06/05	09/07/05																																																												
IJ05070032	Vacuum Process Valve/Spool Assembly	42	09/08/05	11/04/05																																																												

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.02.05.07 GTL Vacuum Components</b>																																																																
IJ05070035	Lab Tests on Special RF Valve Assembly	30	11/07/05	12/20/05																																																	■ Lab Tests on Special RF Valve Assembly											
IJ05070040	AVAIL: GTL Special RF Valve Ready for Instl	0		12/20/05																																																	◆ AVAIL: GTL Special RF Valve Ready for Instl											
<b>1.02.05.08 GTL Supports</b>																																																																
IJ05080010	Design GTL Supports	72*	05/01/04A	08/12/04	■ Design GTL Supports																																																											
IJ0508	GTL SUPPORTS	202	05/01/04A	02/22/05	■ GTL SUPPORTS																																																											
IJ05080020	COMP: GTL Supports Design	0		08/12/04	◆ COMP: GTL Supports Design																																																											
IJ05080000	Define GTL Supports Requirements	5	09/01/04	09/08/04	■ Define GTL Supports Requirements																																																											
IJ05080005	COMP: GTL Supports Requirements	0		09/08/04	◆ COMP: GTL Supports Requirements																																																											
IJ05080025	Procure GTL Supports	90	10/04/04	02/14/05	■ Procure GTL Supports																																																											
IJ05080030	RCV: GTL Supports	0		02/14/05	◆ RCV: GTL Supports																																																											
IJ05080035	Assemble GTL Supports Assembly	5	02/15/05	02/22/05	■ Assemble GTL Supports Assembly																																																											
IJ05080040	AVAIL: GTL Supports Assy Ready for Installation	0		02/22/05	◆ AVAIL: GTL Supports Assy Ready for Installation																																																											
<b>1.02.05.09 Gun Spectrometer (GS) Assembly</b>																																																																
<b>1.02.05.09.01 GS Dipole</b>																																																																
IJ05090100	Define GS Dipole Requirements	2	10/04/04*	10/05/04	■ Define GS Dipole Requirements																																																											
IJ05090140	Define GS Dipole Support Requirements	2	10/04/04	10/05/04	■ Define GS Dipole Support Requirements																																																											
IJ05090550	Define GS Dipole Chamber Requirements	40	10/04/04*	11/30/04	■ Define GS Dipole Chamber Requirements																																																											
IJ050901	GS DIPOLE SUMMARY	273	10/04/04	11/02/05	■ GS DIPOLE SUMMARY																																																											
IJ05090102	COMP: GS Dipole Requirements	0		10/05/04	◆ COMP: GS Dipole Requirements																																																											
IJ05090144	COMP: GS Dipole Supt Requirements Definition	0		10/05/04	◆ COMP: GS Dipole Supt Requirements Definition																																																											
IJ05090104	Perform Magnetic Analysis GS Dipole	20	10/06/04	11/02/04	■ Perform Magnetic Analysis GS Dipole																																																											
IJ05090146	Design GS Dipole Supports	20	10/06/04	11/02/04	■ Design GS Dipole Supports																																																											
IJ05090150	COMP: GS Dipole Support Design	0		11/02/04	◆ COMP: GS Dipole Support Design																																																											
IJ05090151	Prep Bid Pak - GS Dipole Support	5	11/03/04	11/09/04	■ Prep Bid Pak - GS Dipole Support																																																											
IJ05090106	Design GS Dipole Core	40	11/03/04	01/04/05	■ Design GS Dipole Core																																																											
IJ05090153	RELEASE RFP: GS Dipole Support	0	11/10/04	11/09/04	■ RELEASE RFP: GS Dipole Support																																																											
IJ05090155	Vendor Prep Proposals - GS Dipole Support	10	11/10/04	11/23/04	■ Vendor Prep Proposals - GS Dipole Support																																																											

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.02.05.09.01 GS Dipole</b>																																																																
IJ05090157	RCV: Proposals - GS Dipole Support	0	11/24/04	11/23/04																																																												
IJ05090158	Evaluate Proposals -GS Dipole Support	5	11/24/04	12/02/04																																																												
IJ05090551	COMP: GS Dipole Chamber Requirements	0	12/01/04	11/30/04																																																												
IJ05090553	Design GS Dipole Chamber Mover	5	12/01/04	12/07/04																																																												
IJ05090159	AWARD: Contract for GS Dipole Support	1	12/03/04	12/03/04																																																												
IJ05090161	Vendor Fab GS Dipole Support	90	12/06/04	04/15/05																																																												
IJ05090552	Design GS Dipole Chamber	20	12/30/04	01/28/05																																																												
IJ05090110	Design GS Dipole Coils	20	01/05/05	02/02/05																																																												
IJ05090554	Design GS Dipole Chamber Assembly & Mover	20	01/31/05	02/28/05																																																												
IJ05090114	Design GS Dipole Electrical Connections	10	02/03/05	02/16/05																																																												
IJ05090118	Design GS Dipole Cooling Manifold	10	02/17/05	03/03/05																																																												
IJ05090555	COMP: GS Dipole Chamber Assembly Design	0	03/01/05	02/28/05																																																												
IJ05090556	Map GS Dipole Chamber Assembly	6	03/01/05	03/08/05																																																												
IJ05090122	Design GS Dipole Assembly	40	03/04/05	04/28/05																																																												
IJ05090557	Vacuum Process GS Dipole Chamber Assembly	10	03/09/05	03/22/05																																																												
IJ05090558	AVAIL: GS Dipole Chamber Assembly Ready to Combi	0	03/23/05	03/22/05																																																												
IJ05090559	Combine GS Dipole Assembly & Chamber & Mover	5	03/23/05	03/29/05																																																												
IJ05090560	AVAIL: GS Dipole Complete Assembly Ready for Ins	0	03/30/05	03/29/05																																																												
IJ05090163	AVAIL: GS Dipole Support Ready for Instl	0		04/15/05																																																												
IJ05090162	RCV: GS Dipole Support	0	04/18/05	04/15/05																																																												
IJ05090126	COMP: GS Dipole Design	0		04/28/05																																																												
IJ05090127	Prep Bid Pak - GS Dipole Assembly	5	04/29/05	05/05/05																																																												
IJ05090128	RELEASE RFP: GS Dipole Assembly	0	05/06/05	05/05/05																																																												
IJ05090129	Vendor Prep Proposals - GS Dipole Assembly	20	05/06/05	06/03/05																																																												
IJ05090130	RCV: Proposals - GS Dipole Assembly	0	06/06/05	06/03/05																																																												
IJ05090131	Evaluate Proposals -GS Dipole Assembly	5	06/06/05	06/10/05																																																												

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.02.05.09.01 GS Dipole</b>																																																																
IJ05090132	AWARD: Contract for GS Dipole Assembly	1	06/13/05	06/13/05	AWARD: Contract for GS Dipole Assembly																																																											
IJ05090133	Vendor Fab GS Dipole Assembly	90	06/14/05	10/19/05	Vendor Fab GS Dipole Assembly																																																											
IJ05090134	RCV: GS Dipole Assembly	0	10/20/05	10/19/05	RCV: GS Dipole Assembly																																																											
IJ05090136	Perform Lab Tests on GS Dipole Assembly	10	10/20/05	11/02/05	Perform Lab Tests on GS Dipole Assembly																																																											
IJ05090138	AVAIL: GS Dipole Assembly Ready for Install	0		11/02/05	AVAIL: GS Dipole Assembly Ready for Install																																																											
<b>1.02.05.09.02 GS Current Monitor (CM2)</b>																																																																
IJ05090200	Define Current Monitor (CM2) Requirements	5	01/02/04A	01/09/04A																																																												
IJ05090245	Define Current Monitor (CM2) Support Requirement	5	01/02/04A	01/09/04A																																																												
IJ050902	GS CURRENT MONITOR (CM2)	358	01/02/04A	06/03/05	GS CURRENT MONITOR (CM2)																																																											
IJ05090205	COMP: Current Monitor (CM2) Requirements	0		01/09/04A																																																												
IJ05090250	COMP: Current Monitor (CM2) Supt Reqmts Definiti	0		01/09/04A																																																												
IJ05090210	Design Current Monitor (CM2)	3	10/04/04	10/06/04	Design Current Monitor (CM2)																																																											
IJ05090255	Design Current Monitor (CM2) Supports	10	10/04/04	10/15/04	Design Current Monitor (CM2) Supports																																																											
IJ05090215	COMP: Current Monitor (CM2) Design	0		10/06/04	COMP: Current Monitor (CM2) Design																																																											
IJ05090220	Procure Current Monitor (CM2)	90	10/07/04	02/17/05	Procure Current Monitor (CM2)																																																											
IJ05090260	COMP: Current Monitor (CM2) Support Design	0		10/15/04	COMP: Current Monitor (CM2) Support Design																																																											
IJ05090261	Prep Bid Pak - Current Monitor (CM2) Support	5	10/18/04	10/22/04	Prep Bid Pak - Current Monitor (CM2) Support																																																											
IJ05090262	RELEASE RFP: Current Monitor (CM2) Support	0	10/25/04	10/22/04	RELEASE RFP: Current Monitor (CM2) Support																																																											
IJ05090263	Vendor Prep Proposals - Current Monitor (CM2) Su	10	10/25/04	11/05/04	Vendor Prep Proposals - Current Monitor (CM2) Su																																																											
IJ05090264	RCV: Proposals - Current Monitor (CM2) Support	0	11/08/04	11/05/04	RCV: Proposals - Current Monitor (CM2) Support																																																											
IJ05090266	Evaluate Proposals -Current Monitor (CM2) Suppor	5	11/08/04	11/12/04	Evaluate Proposals -Current Monitor (CM2) Suppor																																																											
IJ05090267	AWARD: Contract for Current Monitor (CM2) Supt	1	11/15/04	11/15/04	AWARD: Contract for Current Monitor (CM2) Supt																																																											
IJ05090268	Vendor Fab Current Monitor (CM2) Support	90	11/16/04	03/30/05	Vendor Fab Current Monitor (CM2) Support																																																											
IJ05090225	RCV: Current Monitor (CM2)	0		02/17/05	RCV: Current Monitor (CM2)																																																											
IJ05090230	Assemble Current Monitor (CM2) Assembly	2	02/18/05	02/22/05	Assemble Current Monitor (CM2) Assembly																																																											
IJ05090235	Perform Lab Tests on Current Monitor (CM2) Assem	30	02/23/05	04/05/05	Perform Lab Tests on Current Monitor (CM2) Assem																																																											

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.02.05.09.02 GS Current Monitor (CM2)</b>																																																																
IJ05090280	AVAIL: GS Current Mon (CM2) Supt Ready for Instl	0		03/30/05																																																												
IJ05090269	RCV: Current Monitor (CM2) Support	0	03/31/05	03/30/05																																																												
IJ05090237	Vacuum Process CM2	42	04/06/05	06/03/05																																																												
IJ05090240	AVAIL: GS Current Monitor (CM2) Ready for Instl	0		06/03/05																																																												
<b>1.02.05.09.03 GS BPM (1)</b>																																																																
IJ05090300	Define GS BPM (1ea) Requirements	21	07/01/04*	07/30/04																																																												
IJ050903	GS BPM (1ea)	178	07/01/04	03/18/05																																																												
IJ05090305	COMP: GS BPM (1ea) Requirements	0		07/30/04																																																												
IJ05090310	Design GS BPM (1ea)	20	08/02/04	08/27/04																																																												
IJ05090315	COMP: GS BPM (1ea) Design	0		08/27/04																																																												
IJ05090345	Define GS BPM (1ea) Support Requirements	2	08/30/04	08/31/04																																																												
IJ05090316	Prep Bid Pak - GS BPM (1ea)	5	08/30/04	09/03/04																																																												
IJ05090350	COMP: GS BPM (1ea) Supt Reqmts Definition	0		08/31/04																																																												
IJ05090355	Design GS BPM (1ea) Supports	10	09/01/04	09/15/04																																																												
IJ05090317	RELEASE RFP: GS BPM (1ea)	0	09/07/04	09/03/04																																																												
IJ05090318	Vendor Prep Proposals - GS BPM (1ea)	10	09/07/04	09/20/04																																																												
IJ05090365	COMP: GS BPM (1ea) Support Design	0		09/15/04																																																												
IJ05090366	Prep Bid Pak - GS BPM (1ea) Support	5	09/16/04	09/22/04																																																												
IJ05090319	RCV: Proposals - GS BPM (1ea)	0	09/21/04	09/20/04																																																												
IJ05090321	Evaluate Proposals -GS BPM (1ea)	5	09/21/04	09/27/04																																																												
IJ05090367	RELEASE RFP: GS BPM (1ea) Support	0	09/23/04	09/22/04																																																												
IJ05090368	Vendor Prep Proposals - GS BPM (1ea) Support	10	09/23/04	10/06/04																																																												
IJ05090322	AWARD: Contract for GS BPM (1ea)	1	10/04/04	10/04/04																																																												
IJ05090323	Vendor Fab GS BPM (1ea)	60	10/05/04	01/03/05																																																												
IJ05090369	RCV: Proposals - GS BPM (1ea) Support	0	10/07/04	10/06/04																																																												
IJ05090371	Evaluate Proposals -GS BPM (1ea) Support	5	10/07/04	10/13/04																																																												



Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.02.05.09.03 GS BPM (1)</b>																																																																
IJ05090372	AWARD: Contract for GS BPM (1ea) Support	1	10/14/04	10/14/04																																																												
IJ05090373	Vendor Fab GS BPM (1ea) Support	30	10/15/04	11/29/04																																																												
IJ05090385	AVAIL: GS BPM (1ea) Supt Assy Ready for Instl	0		11/29/04																																																												
IJ05090374	RCV: GS BPM (1ea) Support	0	11/30/04	11/29/04																																																												
IJ05090324	RCV: GS BPM (1ea)	0	01/04/05	01/03/05																																																												
IJ05090335	Perform Lab Tests on GS BPM (1ea) Assembly	10	01/04/05	01/18/05																																																												
IJ05090337	Vacuum Process BPMs(1ea)	42	01/19/05	03/18/05																																																												
IJ05090340	AVAIL: GS BPM (1ea) Assy Ready for Install	0		03/18/05																																																												
<b>1.02.05.09.04 GS Faraday Cup/YAG2</b>																																																																
IJ05090400	Define FC/YAG2 Requirements (1ea)	21	07/01/04*	07/30/04																																																												
IJ05090500	Define FC/YAG3 Requirements (1ea)	21	07/01/04*	07/30/04																																																												
IJ050904	GTL FARADAY CUP/YAG2 (1ea) SUMMARY	217	07/01/04	05/12/05																																																												
IJ050905	GTL FARADAY CUP/YAG3 (1ea) SUMMARY	217	07/01/04	05/12/05																																																												
IJ05090405	COMP: FC/YAG2 Requirements (1ea)	0		07/30/04																																																												
IJ05090501	COMP: FC/YAG3 Requirements (1ea)	0		07/30/04																																																												
IJ05090435	Define FC/YAG2 Support Rqmts (1ea)	22	08/02/04*	08/31/04																																																												
IJ05090530	Define FC/YAG3 Support Rqmts (1ea)	22	08/02/04*	08/31/04																																																												
IJ05090436	COMP: FC/YAG2 Support Rqmts (1ea)	0		08/31/04																																																												
IJ05090531	COMP: FC/YAG3 Supt Reqmts Def (1ea)	0		08/31/04																																																												
IJ05090410	Design FC/YAG2 (1ea)	3	10/04/04	10/06/04																																																												
IJ05090415	COMP: FC/YAG2 Design (1ea)	0	10/07/04	10/06/04																																																												
IJ05090420	Prep Bid Pak - FC/YAG2	5	10/07/04	10/13/04																																																												
IJ05090440	Design FC/YAG2 Supports (1ea)	10	10/07/04	10/20/04																																																												
IJ05090421	RELEASE RFP: FC/YAG2	0	10/14/04	10/13/04																																																												
IJ05090422	Vendor Prep Proposals - FC/YAG2	10	10/14/04	10/27/04																																																												
IJ05090441	COMP: FC/YAG2 Supt Design (1ea)	0	10/21/04	10/20/04																																																												

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.02.05.09.04 GS Faraday Cup/YAG2</b>																																																																
IJ05090442	Prep Bid Pak - FC/YAG2 Supports	5	10/21/04	10/27/04													█ Prep Bid Pak - FC/YAG2 Supports																																															
IJ05090505	Design FC/YAG3 (1ea)	8	10/21/04	11/01/04													█ Design FC/YAG3 (1ea)																																															
IJ05090423	RCV: Proposals - FC/YAG2	0	10/28/04	10/27/04													RCV: Proposals - FC/YAG2																																															
IJ05090443	RELEASE RFP: FC/YAG2 Supports	0	10/28/04	10/27/04													RELEASE RFP: FC/YAG2 Supports																																															
IJ05090424	Evaluate Proposals -FC/YAG2	5	10/28/04	11/03/04													█ Evaluate Proposals -FC/YAG2																																															
IJ05090444	Vendor Prep Proposals - FC/YAG2 Supports	10	10/28/04	11/10/04													█ Vendor Prep Proposals - FC/YAG2 Supports																																															
IJ05090510	COMP: FC/YAG3 Design (1ea)	0	11/02/04	11/01/04													COMP: FC/YAG3 Design (1ea)																																															
IJ05090511	Prep Bid Pak - FC/YAG3	5	11/02/04	11/08/04													█ Prep Bid Pak - FC/YAG3																																															
IJ05090535	Design FC/YAG3 Supports (1ea)	10	11/02/04	11/15/04													█ Design FC/YAG3 Supports (1ea)																																															
IJ05090425	AWARD: Contract for FC/YAG2	1	11/04/04	11/04/04													AWARD: Contract for FC/YAG2																																															
IJ05090426	Vendor Fab FC/YAG2	90	11/05/04	03/21/05													█ Vendor Fab FC/YAG2																																															
IJ05090512	RELEASE RFP: FC/YAG3	0	11/09/04	11/08/04													RELEASE RFP: FC/YAG3																																															
IJ05090513	Vendor Prep Proposals - FC/YAG3	10	11/09/04	11/22/04													█ Vendor Prep Proposals - FC/YAG3																																															
IJ05090445	RCV: Proposals - FC/YAG2 Supports	0	11/11/04	11/10/04													RCV: Proposals - FC/YAG2 Supports																																															
IJ05090446	Evaluate Proposals - FC/YAG2 Supports	5	11/11/04	11/17/04													█ Evaluate Proposals - FC/YAG2 Supports																																															
IJ05090536	COMP: FC/YAG3 Supt Design (1ea)	0	11/16/04	11/15/04													COMP: FC/YAG3 Supt Design (1ea)																																															
IJ05090537	Prep Bid Pak - FC/YAG3 Supports	5	11/16/04	11/22/04													█ Prep Bid Pak - FC/YAG3 Supports																																															
IJ05090447	AWARD: Contract for FC/YAG2 Supports	1	11/18/04	11/18/04													AWARD: Contract for FC/YAG2 Supports																																															
IJ05090448	Vendor Fab FC/YAG2 Supports	100	11/19/04	04/18/05													█ Vendor Fab FC/YAG2 Supports																																															
IJ05090514	RCV: Proposals - FC/YAG3	0	11/23/04	11/22/04													RCV: Proposals - FC/YAG3																																															
IJ05090538	RELEASE RFP: FC/YAG3 Supports	0	11/23/04	11/22/04													RELEASE RFP: FC/YAG3 Supports																																															
IJ05090515	Evaluate Proposals -FC/YAG3	5	11/23/04	12/01/04													█ Evaluate Proposals -FC/YAG3																																															
IJ05090539	Vendor Prep Proposals - FC/YAG3 Supports	10	11/23/04	12/08/04													█ Vendor Prep Proposals - FC/YAG3 Supports																																															
IJ05090516	AWARD: Contract for FC/YAG3	1	12/02/04	12/02/04													AWARD: Contract for FC/YAG3																																															
IJ05090517	Vendor Fab FC/YAG3	30	12/03/04	01/19/05													█ Vendor Fab FC/YAG3																																															
IJ05090540	RCV: Proposals - FC/YAG3 Supports	0	12/09/04	12/08/04													RCV: Proposals - FC/YAG3 Supports																																															

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.02.05.09.04 GS Faraday Cup/YAG2</b>																																																																
IJ05090541	Evaluate Proposals - FC/YAG3 Supports	5	12/09/04	12/15/04													Evaluate Proposals - FC/YAG3 Supports																																															
IJ05090542	AWARD: Contract for FC/YAG3 Supports	1	12/16/04	12/16/04													AWARD: Contract for FC/YAG3 Supports																																															
IJ05090543	Vendor Fab FC/YAG3 Supports	100	12/17/04	05/12/05													Vendor Fab FC/YAG3 Supports																																															
IJ05090518	RCV: FC/YAG3	0	01/20/05	01/19/05													RCV: FC/YAG3																																															
IJ05090519	Perform Lab Tests on FC/YAG3 Assy (1ea)	30	01/20/05	03/03/05													Perform Lab Tests on FC/YAG3 Assy (1ea)																																															
IJ05090521	AVAIL:FC/YAG3 Assy Ready for Instl(1ea)	0	03/04/05	03/03/05													AVAIL:FC/YAG3 Assy Ready for Instl(1ea)																																															
IJ05090427	RCV: FC/YAG2	0	03/22/05	03/21/05													RCV: FC/YAG2																																															
IJ05090428	Perform Lab Tests on FC/YAG2 Assy (1ea)	30	03/22/05	05/02/05													Perform Lab Tests on FC/YAG2 Assy (1ea)																																															
IJ05090449	RCV: FC/YAG2 Supports	0	04/19/05	04/18/05													RCV: FC/YAG2 Supports																																															
IJ05090450	AVAIL:FC/YAG2 Supt Assy Rdy for Ins(1ea)	0	04/19/05	04/18/05													AVAIL:FC/YAG2 Supt Assy Rdy for Ins(1ea)																																															
IJ05090430	AVAIL:FC/YAG2 Assy Ready for Instl(1ea)	0	05/03/05	05/02/05													AVAIL:FC/YAG2 Assy Ready for Instl(1ea)																																															
IJ05090544	RCV: FC/YAG3 Supports	0	05/13/05	05/12/05													RCV: FC/YAG3 Supports																																															
IJ05090545	AVAIL:FC/YAG3 Supt Assy Rdy for Ins(1ea)	0	05/13/05	05/12/05													AVAIL:FC/YAG3 Supt Assy Rdy for Ins(1ea)																																															
<b>1.02.05.09.06 GS Quadrupoles</b>																																																																
IJ05090600	Define GS Quads Requirements(3ea)	2	02/02/04A	02/03/04A																																																												
IJ050906	GS QUADS (3ea) SUMMARY	263	02/02/04A	02/16/05													GS QUADS (3ea) SUMMARY																																															
IJ05090602	COMP: GS Quads Requirements(3ea)	0		02/03/04A																																																												
IJ05090612	Design GS Quads Electrical Connections(3ea)	5	02/04/04A	02/10/04A																																																												
IJ05090616	Design GS Quads Cooling Manifold(3ea)	5	02/04/04A	02/10/04A																																																												
IJ05090608	Design GS Quads Coils(3ea)	10	02/04/04A	02/18/04A																																																												
IJ05090604	Design GS Quads Core(3ea)	17	02/04/04A	02/27/04A																																																												
IJ05090620	Design GS Quads Assembly(3ea)	17	02/04/04A	02/27/04A																																																												
IJ05090624	COMP: GS Quads Design(3ea)	0		02/27/04A																																																												
IJ05090640	Define GS Quads Support Requirements(3ea)	2	11/01/04*	11/02/04													Define GS Quads Support Requirements(3ea)																																															
IJ05090626	Procure GS Quads (3ea)	60	11/01/04*	01/31/05													Procure GS Quads (3ea)																																															
IJ05090644	COMP: GS Quads Supt Requirements Def(3ea)	0		11/02/04													COMP: GS Quads Supt Requirements Def(3ea)																																															

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.02.05.09.06 GS Quadrupoles</b>																																																																
IJ05090646	Design GS Quads Supports(3ea)	10	11/03/04	11/16/04													█ Design GS Quads Supports(3ea)																																															
IJ05090650	COMP: GS Quads Support Design(3ea)	0		11/16/04													◆ COMP: GS Quads Support Design(3ea)																																															
IJ05090652	Procure GS Quads Support T-stage (3ea)	60	11/17/04	02/16/05													█ Procure GS Quads Support T-stage (3ea)																																															
IJ05090628	RCV: Procure GS Quads (3ea)	0		01/31/05													◆ RCV: Procure GS Quads (3ea)																																															
IJ05090636	Perform Mag Measurements on GS Quads Assy(3ea)	10	02/01/05	02/14/05													█ Perform Mag Measurements on GS Quads Assy(3ea)																																															
IJ05090638	AVAIL:GS Quads Assy Ready for Install(3ea)	0		02/14/05													◆ AVAIL:GS Quads Assy Ready for Install(3ea)																																															
IJ05090654	RCV: Procure GS Quads Support T-stage (3ea)	0		02/16/05													◆ RCV: Procure GS Quads Support T-stage (3ea)																																															
IJ05090660	AVAIL: GS Quads Support Assy Ready for Inst(3ea)	0		02/16/05													◆ AVAIL: GS Quads Support Assy Ready for Inst(3ea)																																															
<b>1.02.05.09.07 GS Supports</b>																																																																
IJ05090700	Define GS Support Requirements	2	02/18/05	02/22/05													█ Define GS Support Requirements																																															
IJ050907	GS SUPPORT SUMMARY	57	02/18/05	05/10/05													█ GS SUPPORT SUMMARY																																															
IJ05090705	COMP: GS Support Requirements Definition	0		02/22/05													◆ COMP: GS Support Requirements Definition																																															
IJ05090710	Design GS Support	20	02/23/05	03/22/05													█ Design GS Support																																															
IJ05090715	COMP: GS Support Design	0		03/22/05													◆ COMP: GS Support Design																																															
IJ05090720	Procure GS Support Materials	30	03/23/05	05/03/05													█ Procure GS Support Materials																																															
IJ05090725	RCV: GS Support Materials	0		05/03/05													◆ RCV: GS Support Materials																																															
IJ05090730	Assemble GS Support Assembly	5	05/04/05	05/10/05													█ Assemble GS Support Assembly																																															
IJ05090735	AVAIL: GS Support Assembly Ready to Install	0		05/10/05													◆ AVAIL: GS Support Assembly Ready to Install																																															
<b>1.02.05.10 GTL Pumping &amp; Optic Chamber</b>																																																																
IJ05100010	Develop chamber Physics Design	107*	04/01/04A	08/31/04	█ Develop chamber Physics Design																																																											
IJ0510	COMBINATION PUMPING & OPTIC CHAMBER	390	04/01/04A	10/17/05	█ COMBINATION PUMPING & OPTIC CHAMBER																																																											
IJ05100000	Define Physics Specs	21	07/01/04*	07/30/04	█ Define Physics Specs																																																											
IJ05100005	Define chamber Specs	21	08/02/04*	08/30/04	█ Define chamber Specs																																																											
IJ05100075	Develop chamber Support Structure Engr & Dsn	21	08/31/04	09/29/04	█ Develop chamber Support Structure Engr & Dsn																																																											
IJ05100080	COMP: chamber Support Structure Engr & Dsn	0		09/29/04	◆ COMP: chamber Support Structure Engr & Dsn																																																											
IJ05100081	Procure Support Structure	30	10/04/04	11/12/04	█ Procure Support Structure																																																											

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.02.05.10 GTL Pumping &amp; Optic Chamber</b>																																																																
IJ05100015	Develop chamber Engineering & Design	63	10/04/04	01/05/05													■ Develop chamber Engineering & Design																																															
IJ05100082	RCV: Support Structure	0	11/15/04	11/12/04													■ RCV: Support Structure																																															
IJ05100020	COMP: chamber Engineering & Design	0		01/05/05													◆ COMP: chamber Engineering & Design																																															
IJ05100025	Prep Bid Pak - chamber	10	01/06/05	01/20/05													■ Prep Bid Pak - chamber																																															
IJ05100030	RELEASE: RFP - GTL Pumping & Optic Chamber	0		01/20/05													◆ RELEASE: RFP - GTL Pumping & Optic Chamber																																															
IJ05100035	Vendors Prep Proposals -GTL Pumping & Optic Cham	10	01/21/05	02/03/05													■ Vendors Prep Proposals -GTL Pumping & Optic Cham																																															
IJ05100040	RCV: Vendor Proposals-GTL Pumping & Optic Chambe	0		02/03/05													◆ RCV: Vendor Proposals-GTL Pumping & Optic Chambe																																															
IJ05100045	Evaluate Vendor Proposals-GTL Pumping&Optic Cham	10	02/04/05	02/17/05													■ Evaluate Vendor Proposals-GTL Pumping&Optic Cham																																															
IJ05100050	AWARD: Contract for chamber	1	02/18/05	02/18/05													■ AWARD: Contract for chamber																																															
IJ05100055	Vendor chamber Production (build to print)	125	02/22/05	08/17/05													■ Vendor chamber Production (build to print)																																															
IJ05100060	RCV: chamber from Vendor	0		08/17/05													◆ RCV: chamber from Vendor																																															
IJ05100065	Vacuum Process Chamber	42	08/18/05	10/17/05													■ Vacuum Process Chamber																																															
IJ05100070	Conduct Testing & Processing	42	08/18/05	10/17/05													■ Conduct Testing & Processing																																															
IJ05100100	AVAIL: chamber & Supports Ready for Install	0		10/17/05													◆ AVAIL: chamber & Supports Ready for Install																																															
<b>1.02.05.11 GTL YAG (1ea)</b>																																																																
IJ05110005	Define GTL YAG(1ea) Requirements	5	02/02/04A	02/06/04A																																																												
IJ0511	GTL YAG(1ea) SUMMARY	443	02/02/04A	11/01/05													■ GTL YAG(1ea) SUMMARY																																															
IJ05110010	COMP: GTL YAG(1ea) Requirements	0		02/06/04A																																																												
IJ05110050	Define OTR/GTL YAG (1ea) Support Requirements	22	08/02/04*	08/31/04													■ Define OTR/GTL YAG (1ea) Support Requirements																																															
IJ05110055	COMP: OTR/GTL YAG (1ea) Support Rqmts Defin	0		08/31/04													◆ COMP: OTR/GTL YAG (1ea) Support Rqmts Defin																																															
IJ05110015	Design GTL YAG(1ea)	100	11/16/04	04/13/05													■ Design GTL YAG(1ea)																																															
IJ05110020	COMP: GTL YAG(1ea) Design	0		04/13/05													◆ COMP: GTL YAG(1ea) Design																																															
IJ05110021	Prep Bid Pak - GTL YAG1 (1ea)	5	04/14/05	04/20/05													■ Prep Bid Pak - GTL YAG1 (1ea)																																															
IJ05110060	Design OTR/GTL YAG (1ea) Supports	20	04/14/05	05/11/05													■ Design OTR/GTL YAG (1ea) Supports																																															
IJ05110023	RELEASE RFP: GTL YAG1 (1ea)	0		04/20/05													◆ RELEASE RFP: GTL YAG1 (1ea)																																															
IJ05110024	Vendor Prep Proposals - GTL YAG1 (1ea)	10	04/21/05	05/04/05													■ Vendor Prep Proposals - GTL YAG1 (1ea)																																															

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.02.05.11 GTL YAG (1ea)</b>																																																																
IJ05110025	RCV: Proposals - GTL YAG1 (1ea)	0		05/04/05																																																												
IJ05110026	Evaluate Proposals -GTL YAG1 (1ea)	5	05/05/05	05/11/05																																																												
IJ05110065	COMP: OTR/GTL YAG (1ea) Supports Design	0		05/11/05																																																												
IJ05110028	AWARD: Contract for GTL YAG1 (1ea)	1	05/12/05	05/12/05																																																												
IJ05110066	Prep Bid Pak - GTL YAG1 (1ea) Supports	5	05/12/05	05/18/05																																																												
IJ05110029	Vendor Fab GTL YAG1 (1ea)	30	05/13/05	06/24/05																																																												
IJ05110067	RELEASE RFP: GTL YAG1 (1ea) Supports	0		05/18/05																																																												
IJ05110068	Vendor Prep Proposals - GTL YAG1 (1ea) Supports	10	05/19/05	06/02/05																																																												
IJ05110069	RCV: Proposals - GTL YAG1 (1ea) Supports	0		06/02/05																																																												
IJ05110070	Evaluate Proposals -GTL YAG1 (1ea) Supports	5	06/03/05	06/09/05																																																												
IJ05110071	AWARD: Contract for GTL YAG1 (1ea) Supports	1	06/10/05	06/10/05																																																												
IJ05110072	Vendor Fab GTL YAG1 (1ea) Supports	100	06/13/05	11/01/05																																																												
IJ05110030	RCV: GTL YAG1 (1ea)	0		06/24/05																																																												
IJ05110040	Perform Lab Tests on GTL YAG(1ea) Assembly	30	06/27/05	08/08/05																																																												
IJ05110045	AVAIL: GTL YAG (1ea) Assy Ready to Install	0		08/08/05																																																												
IJ05110073	RCV: GTL YAG1 (1ea) Supports	0		11/01/05																																																												
IJ05110085	AVAIL:OTR/GTL YAG(1ea) Supt Assy Rdy to Inst	0		11/01/05																																																												
<b>1.02.06 Injector Linac Structures</b>																																																																
IJ06	INJECTOR STRUCTURES SUMMARY	587	02/02/04A	05/31/06																																																												
<b>1.02.06.01 L0-1 Structure Assembly</b>																																																																
IJ06010000	Define L0-1 Specs	85*	04/01/04A	07/30/04																																																												
IJ0601	L0-1 STRUCTURE ASSEMBLY SUMMARY	545	04/01/04A	05/31/06																																																												
IJ06010010	Develop L0-1 Mech Engineering & Dsn / Waveguide	84	08/31/04*	01/03/05																																																												
IJ06010015	COMP: L0-1 Mech Engr & Design / Waveguide	0		01/03/05																																																												
IJ06010021	REQD: Existing L0-1 Structure Sections from SLAC	0		01/03/05																																																												
IJ06010020	Procure L0-1 Material	21	01/04/05	02/02/05																																																												






















Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.02.06.01 L0-1 Structure Assembly</b>																																																																
IJ06010025	Fabrication L0-1	168	02/03/05	09/30/05													█ Fabrication L0-1																																															
IJ06010030	Integrate L0-1 onto Support Structure	21	10/03/05	10/31/05																									█ Integrate L0-1 onto Support Structure																																			
IJ06010040	Perform Vacuum Processing	42	11/01/05	01/03/06																									█ Perform Vacuum Processing																																			
IJ06010045	Perform Waveguide Integration	21	01/04/06	02/02/06																									█ Perform Waveguide Integration																																			
IJ06010035	Prep for & Perform RF tuning	21	02/03/06	03/06/06																									█ Prep for & Perform RF tuning																																			
IJ06010050	Conduct RF Processing	42	03/07/06	05/03/06																									█ Conduct RF Processing																																			
IJ06010055	AVAIL: L0-1 Structure Ready for Install	0		05/03/06																																					◆ AVAIL: L0-1 Structure Ready for Install																							
MS3_IJ020	L0-1 Structure Ready for Install	0		05/31/06*																																																	◆ L0-1 Structure Ready for Install											
<b>1.02.06.02 L0-2 Structure Assembly</b>																																																																
IJ06020000	Define L0-2 Specs	85*	04/01/04A	07/30/04	█ Define L0-2 Specs																																																											
IJ0602	L0-2 STRUCTURE ASSEMBLY SUMMARY	400	04/01/04A	10/31/05	█ L0-2 STRUCTURE ASSEMBLY SUMMARY																																																											
IJ06020005	Develop L0-2 RF Engr/Design/Tuning Plan	42	08/02/04*	09/29/04	█ Develop L0-2 RF Engr/Design/Tuning Plan																																																											
IJ06020010	Develop L0-2 Mech Engrg & Design / Waveguide	42	09/30/04	11/30/04	█ Develop L0-2 Mech Engrg & Design / Waveguide																																																											
IJ06020015	COMP: L0-2 Mech Engr & Design / Waveguide	0		11/30/04																																					◆ COMP: L0-2 Mech Engr & Design / Waveguide																							
IJ06020021	REQD: Existing L0-2 Structure Sections from SLAC	0		11/30/04																																					◆ REQD: Existing L0-2 Structure Sections from SLAC																							
IJ06020020	Procure L0-2 Material	21	12/01/04	01/03/05	█ Procure L0-2 Material																																																											
IJ06020025	Fab & Mods L0-2	84	01/04/05	05/03/05	█ Fab & Mods L0-2																																																											
IJ06020030	Integrate L0-2 onto Support Structure	21	05/04/05	06/02/05																									█ Integrate L0-2 onto Support Structure																																			
IJ06020040	Perform Vacuum Processing	42	06/03/05	08/02/05																									█ Perform Vacuum Processing																																			
IJ06020045	Perform Waveguide Integration	21	08/03/05	08/31/05																									█ Perform Waveguide Integration																																			
IJ06020035	Prep for & Perform RF tuning	21	09/01/05	09/30/05																									█ Prep for & Perform RF tuning																																			
IJ06020055	AVAIL: L0-2 Structure Ready for Install	0		09/30/05																																					◆ AVAIL: L0-2 Structure Ready for Install																							
MS3_IJ025	L0-2 Structure Ready for Install	0		10/31/05*																																																	◆ L0-2 Structure Ready for Install											
<b>1.02.06.03 Major Linac Support</b>																																																																
IJ06030000	Develop Linac Support Engr & Design (Rem 25%)	21	02/02/04A	02/27/04A																																																												
IJ0603	MAJOR LINAC SUPPORT SUMMARY	301	02/02/04A	04/12/05	█ MAJOR LINAC SUPPORT SUMMARY																																																											

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.02.06.03 Major Linac Support</b>																																																																
IJ06030005	COMP: Linac Support Engr & Design	0		02/27/04A																																																												
IJ06030010	Prep Bid Pak - Major Linac Supports	65	07/01/04*	10/01/04													■ Prep Bid Pak - Major Linac Supports																																															
IJ06030015	RELEASE: RFP - Major Linac Supports	0		10/01/04													◆ RELEASE: RFP - Major Linac Supports																																															
IJ06030020	Vendors Prep Proposals - Major Linac Supports	15	11/01/04*	11/19/04													■ Vendors Prep Proposals - Major Linac Supports																																															
IJ06030025	RCV: Vendor Proposal for Major Linac Supports	0		11/19/04													◆ RCV: Vendor Proposal for Major Linac Supports																																															
IJ06030030	Evaluate Vendor Proposals-Major Linac Supports	10	11/22/04	12/07/04													■ Evaluate Vendor Proposals-Major Linac Supports																																															
IJ06030035	AWARD: Major Linac Supports Contract	1	12/08/04	12/08/04													AWARD: Major Linac Supports Contract																																															
IJ06030040	Vendor Fab, Assy & Test-Major Linac Supports	42	12/09/04*	02/10/05													■ Vendor Fab, Assy & Test-Major Linac Supports																																															
IJ06030045	RCV: Major Linac Supports from Vendor	0		02/10/05													◆ RCV: Major Linac Supports from Vendor																																															
IJ06030055	Fab & Mods Linac Supports	42	02/11/05	04/12/05													■ Fab & Mods Linac Supports																																															
IJ06030060	AVAIL: Supts Ready for Integ with L0-1 & L0-2	0		04/12/05													◆ AVAIL: Supts Ready for Integ with L0-1 & L0-2																																															
<b>1.02.06.04 Linac Solenoid &amp; Supports</b>																																																																
IJ06040000	Define LINAC Solenoid Requirements	21	07/01/04*	07/30/04													■ Define LINAC Solenoid Requirements																																															
IJ0604	LINAC SOLENOID & SUPPORTS SUMMARY	377	07/01/04	12/30/05													■ LINAC SOLENOID & SUPPORTS SUMMARY																																															
IJ06040010	COMP: LINAC Solenoid Requirements Defi	0		07/30/04													◆ COMP: LINAC Solenoid Requirements Defi																																															
IJ06040015	Design LINAC Solenoid Core	40	10/04/04	11/30/04													■ Design LINAC Solenoid Core																																															
IJ06040025	Design LINAC Solenoid Coil	20	12/01/04	12/30/04													■ Design LINAC Solenoid Coil																																															
IJ06040035	Design LINAC Solenoid Electrical Connections	10	01/03/05	01/14/05													■ Design LINAC Solenoid Electrical Connections																																															
IJ06040045	Design LINAC Solenoid Cooling Manifold	10	01/18/05	01/31/05													■ Design LINAC Solenoid Cooling Manifold																																															
IJ06040055	Design LINAC Solenoid Assembly	40	02/01/05	03/29/05													■ Design LINAC Solenoid Assembly																																															
IJ06040065	COMP: LINAC Solenoid Design	0		03/29/05													◆ COMP: LINAC Solenoid Design																																															
IJ06040500	Define LINAC Solenoid Support Requirements	5	03/30/05	04/05/05													■ Define LINAC Solenoid Support Requirements																																															
IJ06040070	Procure LINAC Sol Core Materials	30	03/30/05	05/10/05													■ Procure LINAC Sol Core Materials																																															
IJ06040510	COMP: GS Support Requirements Definition	0		04/05/05													◆ COMP: GS Support Requirements Definition																																															
IJ06040515	Design LINAC Solenoid Supports	20	04/06/05	05/03/05													■ Design LINAC Solenoid Supports																																															
IJ06040525	COMP: LINAC Solenoid Support Design	0		05/03/05													◆ COMP: LINAC Solenoid Support Design																																															



	Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	Fiscal Years																							
						FY04		FY05		FY06		FY07		FY08															
<b>1.02.06.04 Linac Solenoid &amp; Supports</b>																													
IJ06040530	Procure LINAC Sol Support Materials	20	05/04/05	06/01/05																									
IJ06040075	RCV: LINAC Sol Magnet Materials	0		05/10/05																									
IJ06040080	Prep Bid Pak - Linac Solenoid	10	05/11/05	05/24/05																									
IJ06040076	Fab & Assy LINAC Sol Magnet Materials	42	05/11/05	07/11/05																									
IJ06040085	RELEASE: RFP - Linac Solenoid	0		05/24/05																									
IJ06040090	Vendors Prep Proposals - Linac Solenoid	15	05/25/05	06/15/05																									
IJ06040535	RCV: LINAC Sol Support Materials	0		06/01/05																									
IJ06040540	Prep Bid Pak - Linac Solenoid Supports	10	06/02/05	06/15/05																									
IJ06040095	RCV: Vendor Proposal for Linac Solenoid	0		06/15/05																									
IJ06040545	RELEASE: RFP - Linac Solenoid Supports	0		06/15/05																									
IJ06040100	Evaluate Vendor Proposals-Linac Solenoid	10	06/16/05	06/29/05																									
IJ06040550	Vendors Prep Proposals -Linac Solenoid Supports	15	06/16/05	07/07/05																									
IJ06040105	AWARD: Linac Solenoid Contract	1	06/30/05	06/30/05																									
IJ06040110	Vendor Fab - (build to print)	20	07/01/05	07/29/05																									
IJ06040555	RCV: Vendor Proposal for Linac Solenoid Supports	0		07/07/05																									
IJ06040560	Evaluate Vendor Proposals-Linac Solenoid Support	10	07/08/05	07/21/05																									
IJ06040565	AWARD: Linac Solenoid Support Contract	1	07/22/05	07/22/05																									
IJ06040570	Vendor Fab - (build to print)	20	07/25/05	08/19/05																									
IJ06040115	RCV: Linac Solenoid from Vendors	0		07/29/05																									
IJ06040120	Fab & Assemble LINAC Sol Magnet Assembly	40	08/01/05	09/26/05																									
IJ06040575	RCV: Linac Solenoid Supports from Vendors	0		08/19/05																									
IJ06040580	Assemble LINAC Sol Support Assembly	20	08/22/05	09/19/05																									
IJ06040582	Perf Linac Solenoid Mag Meas & Fiducialization	63	09/20/05	12/19/05																									
IJ06040125	Perform Lab Tests on LINAC Sol Magnet Assembly	40	09/27/05	11/21/05																									
IJ06040130	AVAIL: LINAC Solenoid Ready for Installation	0		11/21/05																									
IJ06040585	AVAIL: LINAC Sol Support Assembly Ready for Inst	0		12/19/05																									

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.02.06.04 Linac Solenoid &amp; Supports</b>																																																																
MS3_IJ030	LINAC Solenoid Ready for Installation	0		12/30/05*																																																												
<b>1.02.07 L0-1 to L0-2 Section (L0-1TLO-2)</b>																																																																
IJ07	L0-1TLO-2 SUMMARY	368	02/02/04A	07/18/05																																																												
<b>1.02.07.01 L0-1TLO-2 Quadrupoles (2)</b>																																																																
IJ07010000	Define L0-1TLO-2 Quads Requirements	2	02/02/04A	02/03/04A																																																												
IJ0701	L0-1TLO-2 QUADRUPOLES SUMMARY (2EA)	339	02/02/04A	06/06/05																																																												
IJ07010010	COMP: L0-1TLO-2 Quads Requirements	0		02/03/04A																																																												
IJ07010035	Design L0-1TLO-2 Quads Electrical Connections	5	02/04/04A	02/10/04A																																																												
IJ07010045	Design L0-1TLO-2 Quads Cooling Manifold	5	02/04/04A	02/10/04A																																																												
IJ07010025	Design L0-1TLO-2 Quads Coils	10	02/04/04A	02/18/04A																																																												
IJ07010015	Design L0-1TLO-2 Quads Core	20	02/04/04A	02/27/04A																																																												
IJ07010055	Design L0-1TLO-2 Quads Assembly	20	02/04/04A	02/27/04A																																																												
IJ07010065	COMP: L0-1TLO-2 Quads Design	0		02/27/04A																																																												
IJ07010100	Define L0-1TLO-2 Quads Support Requirements	2	01/06/05*	01/07/05																																																												
IJ07010070	Procure L0-1TLO-2 Quads	60	01/06/05*	04/01/05																																																												
IJ07010110	COMP: L0-1TLO-2 Quads Supt Requirements Definiti	0		01/07/05																																																												
IJ07010115	Design L0-1TLO-2 Quads Supports	10	01/10/05	01/24/05																																																												
IJ07010125	COMP: L0-1TLO-2 Quads Support Design	0		01/24/05																																																												
IJ07010130	Procure L0-1TLO-2 Quads Support	30	01/25/05	03/08/05																																																												
IJ07010135	RCV: L0-1TLO-2 Quads Support	0		03/08/05																																																												
IJ07010150	Perform Quadrupole Mag Meas & Fiducialization	63	03/09/05	06/06/05																																																												
IJ07010075	RCV: L0-1TLO-2 Quads	0		04/01/05																																																												
IJ07010090	Perform Lab Tests on L0-1TLO-2 Quads Assembly	10	04/04/05	04/15/05																																																												
IJ07010095	AVAIL: L0-1TLO-2 Quads Assembly Ready for Instal	0		04/15/05																																																												
IJ07010155	AVAIL: L0-1TLO-2 Quads Support Assembly Ready fo	0		06/06/05																																																												

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.02.07.02 L0-1TL0-2 BPMs (2)</b>																																																																
IJ07020000	Define L0-1TL0-2 BPM (2ea) Physics Requirements	2	07/01/04*	07/02/04	<b>Define L0-1TL0-2 BPM (2ea) Physics Requirements</b>																																																											
IJ0702	L0-1TL0-2 BPMs (2ea) SUMMARY	195	07/01/04	04/12/05	 <b>L0-1TL0-2 BPMs (2ea) SUMMARY</b>																																																											
IJ07020005	Define L0-1TL0-2 BPM (2ea) Eng Requirements	22	08/02/04*	08/31/04	 <b>Define L0-1TL0-2 BPM (2ea) Eng Requirements</b>																																																											
IJ07020010	COMP: L0-1TL0-2 BPM (2ea) Requirements	0		08/31/04	 <b>COMP: L0-1TL0-2 BPM (2ea) Requirements</b>																																																											
IJ07020015	Engineer L0-1TL0-2 BPM (2ea)	20	09/01/04*	09/29/04	 <b>Engineer L0-1TL0-2 BPM (2ea)</b>																																																											
IJ07020020	Design L0-1TL0-2 BPM (2ea)	20	09/30/04	10/27/04	 <b>Design L0-1TL0-2 BPM (2ea)</b>																																																											
IJ07020025	COMP: L0-1TL0-2 BPM (2ea) Eng/Design	0		10/27/04	 <b>COMP: L0-1TL0-2 BPM (2ea) Eng/Design</b>																																																											
IJ07020070	Define L0-1TL0-2 BPM (2ea) Support Requirements	2	10/28/04	10/29/04	<b>Define L0-1TL0-2 BPM (2ea) Support Requirements</b>																																																											
IJ07020030	Procure L0-1TL0-2 BPM (2ea)	60	10/28/04	01/27/05	 <b>Procure L0-1TL0-2 BPM (2ea)</b>																																																											
IJ07020080	COMP: L0-1TL0-2 BPM (2ea) Supt Reqmts Definition	0		10/29/04	 <b>COMP: L0-1TL0-2 BPM (2ea) Supt Reqmts Definition</b>																																																											
IJ07020085	Design L0-1TL0-2 BPM (2ea) Supports	10	11/01/04	11/12/04	 <b>Design L0-1TL0-2 BPM (2ea) Supports</b>																																																											
IJ07020095	COMP: L0-1TL0-2 BPM (2ea) Support Design	0		11/12/04	 <b>COMP: L0-1TL0-2 BPM (2ea) Support Design</b>																																																											
IJ07020100	Procure L0-1TL0-2 BPM (2ea) Supt	20	11/15/04	12/14/04	 <b>Procure L0-1TL0-2 BPM (2ea) Supt</b>																																																											
IJ07020105	RCV: L0-1TL0-2 BPM (2ea) Support	0		12/14/04	 <b>RCV: L0-1TL0-2 BPM (2ea) Support</b>																																																											
IJ07020115	AVAIL:L0-1TL0-2 BPM (2ea)Supt Assy Ready for Ins	0		12/14/04	 <b>AVAIL:L0-1TL0-2 BPM (2ea)Supt Assy Ready for Ins</b>																																																											
IJ07020035	RCV: L0-1TL0-2 BPM (2ea)	0		01/27/05	 <b>RCV: L0-1TL0-2 BPM (2ea)</b>																																																											
IJ07020050	Perform Lab Tests on L0-1TL0-2 BPM (2ea) Assy	10	01/28/05	02/10/05	 <b>Perform Lab Tests on L0-1TL0-2 BPM (2ea) Assy</b>																																																											
IJ07020060	Vacuum Process BPM (2ea)	42	02/11/05	04/12/05	 <b>Vacuum Process BPM (2ea)</b>																																																											
IJ07020065	AVAIL:L0-1TL0-2 BPM (2ea) Assy Ready for Install	0		04/12/05	 <b>AVAIL:L0-1TL0-2 BPM (2ea) Assy Ready for Install</b>																																																											
<b>1.02.07.04 L0-1TL0-2 OTR/YAG (1)</b>																																																																
IJ07040100	Define L0-1TL0-2 YAG(1ea) Requirements	5	02/02/04A	02/06/04A																																																												
IJ0704	L0-1TL0-2 YAG (1ea) SUMMARY	368	02/02/04A	07/18/05	 <b>L0-1TL0-2 YAG (1ea) SUMMARY</b>																																																											
IJ07040105	COMP: L0-1TL0-2 YAG(1ea) Requirements	0		02/06/04A																																																												
IJ07040110	Design L0-1TL0-2 YAG(1ea)	100	08/02/04*	12/22/04	 <b>Design L0-1TL0-2 YAG(1ea)</b>																																																											
IJ07040170	Define L0-1TL0-2 YAG (1ea) Support Requirements	21	09/01/04*	09/30/04	 <b>Define L0-1TL0-2 YAG (1ea) Support Requirements</b>																																																											
IJ07040175	COMP: L0-1TL0-2 YAG (1ea) Support Rqmts Defin	0		09/30/04	 <b>COMP: L0-1TL0-2 YAG (1ea) Support Rqmts Defin</b>																																																											



Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.02.07.05 L0-1TL0-2 Linac Steering Coils (4)</b>																																																																
IJ07050015	Design Coils (4ea) (ACCR)	20	09/02/04*	09/30/04													■ Design Coils (4ea) (ACCR)																																															
IJ07050025	Design Electrical Connections (4ea)(ACCR)	10	10/01/04	10/14/04													■ Design Electrical Connections (4ea)(ACCR)																																															
IJ07050035	Design Assembly (4ea)(ACCR)	20	10/15/04	11/11/04													■ Design Assembly (4ea)(ACCR)																																															
IJ07050045	COMP: Steering Coils, (4ea) (ACCR) Design	0		11/11/04													◆ COMP: Steering Coils, (4ea) (ACCR) Design																																															
IJ07050400	Define Steering Coils, (4ea)(ACCR) Support Rqmts	5	11/12/04	11/18/04													■ Define Steering Coils, (4ea)(ACCR) Support Rqmts																																															
IJ07050050	Procure Steering Coils, (4ea) (ACCR)	45	11/12/04	01/21/05													■ Procure Steering Coils, (4ea) (ACCR)																																															
IJ07050410	COMP: Steering Coils, (4ea)(ACCR) Supt Rqmts Def	0		11/18/04													◆ COMP: Steering Coils, (4ea)(ACCR) Supt Rqmts Def																																															
IJ07050415	Design Steering Coils, (4ea) (ACCR) Supports	40	11/19/04	01/21/05													■ Design Steering Coils, (4ea) (ACCR) Supports																																															
IJ07050055	RCV: Steering Coils, (4ea) (ACCR)	0		01/21/05													◆ RCV: Steering Coils, (4ea) (ACCR)																																															
IJ07050425	COMP: Steering Coils, (4ea)(ACCR) Support Design	0		01/21/05													◆ COMP: Steering Coils, (4ea)(ACCR) Support Design																																															
IJ07050430	Procure Steering Coils, (4ea)(ACCR) Support	30	01/24/05	03/07/05													■ Procure Steering Coils, (4ea)(ACCR) Support																																															
IJ07050435	RCV: Steering Coils, (4ea)(ACCR) Support	0		03/07/05													◆ RCV: Steering Coils, (4ea)(ACCR) Support																																															
IJ07050445	AVAIL:Steering Coils,(4ea)(ACCR) Supt Assy Ready	0		03/07/05													◆ AVAIL:Steering Coils,(4ea)(ACCR) Supt Assy Ready																																															
IJ07050080	Perform Magnetic Measmts Steering Coils, (4ea)	5	03/08/05	03/14/05													■ Perform Magnetic Measmts Steering Coils, (4ea)																																															
IJ07050085	AVAIL:Steering Coils,(4ea)(ACCR)Assy Rdy for Ins	0		03/14/05													◆ AVAIL:Steering Coils,(4ea)(ACCR)Assy Rdy for Ins																																															
<b>1.02.07.06 L0-1TL0-2 Vacuum Components</b>																																																																
IJ07060003	Develop Vacuum Components Engr & Design	23	08/02/04*	09/01/04													■ Develop Vacuum Components Engr & Design																																															
IJ0706	L0-1TL0-2 Vacuum Components	238	08/02/04	07/13/05													■ L0-1TL0-2 Vacuum Components																																															
IJ07060005	COMP: Vacuum Components Engineering & Design	0		09/01/04													◆ COMP: Vacuum Components Engineering & Design																																															
IJ07060020	Develop Vac Components Supports Engr & Design	21	09/02/04	10/01/04													■ Develop Vac Components Supports Engr & Design																																															
IJ07060025	COMP: Vac Components Supports Engr & Design	0		10/01/04													◆ COMP: Vac Components Supports Engr & Design																																															
IJ07060026	Prep Bid Pak - Vacuum Components	10	10/04/04	10/15/04													■ Prep Bid Pak - Vacuum Components																																															
IJ07060030	Procure Support Structure Materials	21	10/04/04	11/01/04													■ Procure Support Structure Materials																																															
IJ07060027	RELEASE: RFP - Vacuum Components	0		10/15/04													◆ RELEASE: RFP - Vacuum Components																																															
IJ07060028	Vendors Prep Prop- Vacuum Components	10	10/18/04	10/29/04													■ Vendors Prep Prop- Vacuum Components																																															
IJ07060029	RCV: Vendor Prop- Vacuum Components	0		10/29/04													◆ RCV: Vendor Prop- Vacuum Components																																															

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.02.07.06 L0-1TL0-2 Vacuum Components</b>																																																																
IJ07060032	Eval Vendor Prop- Vacuum Components	5	11/01/04	11/05/04																																																												
IJ07060035	Fab Vacuum Components Support Structure	42	11/02/04	01/05/05																																																												
IJ07060033	AWARD: Vacuum Components	1	11/08/04	11/08/04																																																												
IJ07060010	Procure Vacuum Components (build to print)	63	11/09/04	02/11/05																																																												
IJ07060015	Vacuum Process Vacuum Components	63	02/14/05	05/12/05																																																												
IJ07060040	Integrate Vacuum Components onto Supports	21	05/13/05	06/13/05																																																												
IJ07060045	Conduct Vacuum Components Testing	21	06/14/05	07/13/05																																																												
IJ07060050	AVAIL: Vacuum Comp. & Supports Ready for Install	0		07/13/05																																																												
<b>1.02.07.07 L0-1TL0-2 Major tube support structure</b>																																																																
IJ07070000	Develop MinorTube Supports Engineering & Desi	42	07/01/04*	08/30/04																																																												
IJ0707	L0-1TL0-2 MINOR TUBE SUPPORT SUMMARY	204	07/01/04	04/25/05																																																												
IJ07070005	COMP: MinorTube Supports Engineering & Design	0		08/30/04																																																												
IJ07070010	Prep Bid Pak - L0-1TL0-2 Major Tube Supt	10	08/31/04	09/14/04																																																												
IJ07070015	RELEASE: RFP - Major Tube Supports	0		09/14/04																																																												
IJ07070020	Vendors Prep Proposals -Major Tube Supports	15	09/15/04	10/05/04																																																												
IJ07070025	RCV: Vendor Proposals	0		10/05/04																																																												
IJ07070030	Evaluate Vendor Proposals-Major Tube Supports	10	10/06/04	10/19/04																																																												
IJ07070035	AWARD: Contract for Minor Tube Supports	1	10/20/04	10/20/04																																																												
IJ07070040	Vendor Fab, Assy & Test	84	10/21/04	02/24/05																																																												
IJ07070045	Prep & Ship Support Structure to SLAC	42	02/25/05	04/25/05																																																												
IJ07070050	RCV: Minor Tube Supports from Vendor	0		04/25/05																																																												
IJ07070055	AVAIL: L0-1TL0-2 Minor Tube Supt Ready for Instl	0		04/25/05																																																												
<b>1.02.08 Linac to DL1 (LTDL1)</b>																																																																
IJ08	LINAC TO DOG LEG 1 SUMMARY	578	01/02/04A	04/19/06																																																												
<b>1.02.08.01 LTDL1 Current Monitors (CM3)</b>																																																																
IJ08010000	Define Current Monitor (CM3) Eng Requirements	5	01/02/04A	01/09/04A																																																												

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.02.08.01 LTDL1 Current Monitors (CM3)</b>																																																																
IJ08010005	Define Current Monitor (CM3) Phys Requirements	5	01/02/04A	01/09/04A																																																												
IJ0801	LTDL1 CURRENT MONITOR SUMMARY CM3	355	01/02/04A	05/31/05																																																												
IJ08010010	COMP: Current Monitor (CM3) Requirements	0		01/09/04A																																																												
IJ08010015	Physics Design Current Monitor (CM3)	10	01/12/04A	01/23/04A																																																												
IJ08010020	Design Current Monitor (CM3)	10	01/12/04A	01/23/04A																																																												
IJ08010025	Engineer Current Monitor (CMs)	10	01/12/04A	01/23/04A																																																												
IJ08010030	COMP: Current Monitor (CM3) Design	0		01/23/04A																																																												
IJ08010205	Define Current Monitor (CM3) Support Requirement	5	01/26/04A	01/30/04A																																																												
IJ08010210	COMP: Current Monitor (CM3) Supt Reqmts Definiti	0		01/30/04A																																																												
IJ08010215	Design Current Monitor (CM3) Supports	3	10/04/04	10/06/04																																																												
IJ08010035	Procure Current Monitor (CM3) (build to print)	90	10/04/04	02/14/05																																																												
IJ08010225	COMP: Current Monitor (CM3) Support Design	0		10/06/04																																																												
IJ08010230	Procure Current Monitor (CM3) Support Materials	30	10/07/04	11/17/04																																																												
IJ08010235	RCV: Current Monitor (CM3) Support Materials	0		11/17/04																																																												
IJ08010240	Fab & Assemble Current Monitor (CM3) Support Ass	10	11/18/04	12/03/04																																																												
IJ08010245	AVAIL: Current Monitor (CM3) Supt Ready for Inst	0		12/03/04																																																												
IJ08010040	RCV: Current Monitor (CM3)	0		02/14/05																																																												
IJ08010045	Assemble Current Monitor (CMs) Assembly	2	02/15/05	02/16/05																																																												
IJ08010050	Vacuum Process Current Monitor (CM3)	42	02/17/05	04/18/05																																																												
IJ08010055	Perform Lab Tests on Current Monitor (CM3) Assy	30	04/19/05	05/31/05																																																												
IJ08010060	AVAIL: Current Monitor (CM3) Assy Ready for Inst	0		05/31/05																																																												
<b>1.02.08.02 LTDL1 BPMs (6ea)</b>																																																																
IJ08020000	Define LTDL1 BPM (6ea) Physics Requirements	21	07/01/04*	07/30/04																																																												
IJ0802	LTDL1 BPMs (6ea) SUMMARY	263	07/01/04	07/19/05																																																												
IJ08020005	Define LTDL1 BPM (6ea) Engr Requirements	21	08/02/04*	08/30/04																																																												
IJ08020010	COMP: LTDL1 BPM (6ea) Requirements	0		08/30/04																																																												

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.02.08.02 LTDL1 BPMs (6ea)</b>																																																																
IJ08020015	Engineer LTDL1 BPM (6ea)	20	08/31/04*	09/28/04	■ Engineer LTDL1 BPM (6ea)																																																											
IJ08020020	Design LTDL1 BPM (6ea)	20	11/15/04	12/14/04	■ Design LTDL1 BPM (6ea)																																																											
IJ08020025	COMP: LTDL1 BPM (5) Eng/Design	0		12/14/04	◆ COMP: LTDL1 BPM (5) Eng/Design																																																											
IJ08020070	Define LTDL1 BPM (6ea) Support Requirements	2	12/15/04	12/16/04	■ Define LTDL1 BPM (6ea) Support Requirements																																																											
IJ08020026	Prep Bid Pak - LTDL1 BPM (6ea)	10	12/15/04	12/30/04	■ Prep Bid Pak - LTDL1 BPM (6ea)																																																											
IJ08020080	COMP: LTDL1 BPM (6ea) Supt Reqmts Definition	0		12/16/04	◆ COMP: LTDL1 BPM (6ea) Supt Reqmts Definition																																																											
IJ08020085	Design LTDL1 BPM (6ea) Supports	10	12/17/04	01/04/05	■ Design LTDL1 BPM (6ea) Supports																																																											
IJ08020027	RELEASE: RFP - LTDL1 BPM (6ea)	0		12/30/04	◆ RELEASE: RFP - LTDL1 BPM (6ea)																																																											
IJ08020028	Vendors Prep Prop- LTDL1 BPM (6ea)	10	01/03/05	01/14/05	■ Vendors Prep Prop- LTDL1 BPM (6ea)																																																											
IJ08020095	COMP: LTDL1 BPM (6ea) Support Design	0		01/04/05	◆ COMP: LTDL1 BPM (6ea) Support Design																																																											
IJ08020100	Procure LTDL1 BPM (6ea) Supt	20	01/05/05	02/02/05	■ Procure LTDL1 BPM (6ea) Supt																																																											
IJ08020029	RCV: Vendor Prop- LTDL1 BPM (6ea)	0		01/14/05	◆ RCV: Vendor Prop- LTDL1 BPM (6ea)																																																											
IJ08020031	Eval Vendor Prop- LTDL1 BPM (6ea)	5	01/18/05	01/24/05	■ Eval Vendor Prop- LTDL1 BPM (6ea)																																																											
IJ08020032	AWARD: LTDL1 BPM (6ea)	1	01/25/05	01/25/05	■ AWARD: LTDL1 BPM (6ea)																																																											
IJ08020030	Procure LTDL1 BPM (6ea)	60	01/26/05	04/20/05	■ Procure LTDL1 BPM (6ea)																																																											
IJ08020105	RCV: LTDL1 BPM (6ea) Support	0		02/02/05	◆ RCV: LTDL1 BPM (6ea) Support																																																											
IJ08020115	AVAIL: LTDL1 BPM (6ea)Supt Assy Rdy for Install	0		02/02/05	◆ AVAIL: LTDL1 BPM (6ea)Supt Assy Rdy for Install																																																											
IJ08020035	RCV: LTDL1 BPM (6ea)	0		04/20/05	◆ RCV: LTDL1 BPM (6ea)																																																											
IJ08020050	Perform Lab Tests on LTDL1 BPM (6ea) Assembly	10	04/21/05	05/04/05	■ Perform Lab Tests on LTDL1 BPM (6ea) Assembly																																																											
IJ08020055	Perform Lab Tests on LTDL1 BPM (6ea) Calibration	10	05/05/05	05/18/05	■ Perform Lab Tests on LTDL1 BPM (6ea) Calibration																																																											
IJ08020060	Vacuum Process BPM (6ea)	42	05/19/05	07/19/05	■ Vacuum Process BPM (6ea)																																																											
IJ08020065	AVAIL: LTDL1 BPM (6ea) Assy Ready for Install	0		07/19/05	◆ AVAIL: LTDL1 BPM (6ea) Assy Ready for Install																																																											
<b>1.02.08.03 LTDL1 OTR(5)/YAG (1)</b>																																																																
IJ08030100	Define LTDL1 OTR(5)/YAG(1) Requirements	5	02/02/04A	02/06/04A																																																												
IJ0803	LTDL1 OTR/YAG SUMMARY (1eaYAG)(5eaOTR)	402	02/02/04A	09/02/05	■ LTDL1 OTR/YAG SUMMARY (1eaYAG)(5eaOTR)																																																											
IJ08030105	COMP: LTDL1 OTR(5)/YAG(1) Requirements	0		02/06/04A																																																												



Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.02.08.03 LTDL1 OTR(5)/YAG (1)</b>																																																																
IJ08030170	Define LTDL1 OTR(5)/YAG(1) Support Rqmts	21	07/01/04*	07/30/04																																																												
IJ08030175	COMP: LTDL1 OTR(5)/YAG(1) Supt Rqmts Defin	0		07/30/04																																																												
IJ08030110	Design LTDL1 OTR(5)/YAG(1)	90	10/04/04*	02/14/05																																																												
IJ08030115	COMP: LTDL1 OTR(5)/YAG(1) Design	0		02/14/05																																																												
IJ08030120	Prep Bid Pak - LTDL1 OTR(5)/YAG(1)	5	02/15/05	02/22/05																																																												
IJ08030180	Design LTDL1 OTR(5)/YAG(1) Supports	20	02/15/05	03/15/05																																																												
IJ08030125	RELEASE RFP: LTDL1 OTR(5)/YAG(1)	0		02/22/05																																																												
IJ08030130	Vendor Prep Proposals -LTDL1 OTR(5)/YAG(1)	10	02/23/05	03/08/05																																																												
IJ08030135	RCV: Proposals - LTDL1 OTR(5)/YAG(1)	0		03/08/05																																																												
IJ08030140	Evaluate Proposals -LTDL1 OTR(5)/YAG(1)	5	03/09/05	03/15/05																																																												
IJ08030185	COMP: LTDL1 OTR(5)/YAG(1) Supports Design	0		03/15/05																																																												
IJ08030145	AWARD: Contract for LTDL1 OTR(5)/YAG(1)	1	03/16/05	03/16/05																																																												
IJ08030190	Prep Bid Pak - LTDL1 OTR(5)/YAG(1) Supports	5	03/16/05	03/22/05																																																												
IJ08030150	Vendor Fab LTDL1 OTR(5)/YAG(1)	30	03/17/05	04/27/05																																																												
IJ08030195	RELEASE RFP: LTDL1 OTR(5)/YAG(1) Supports	0		03/22/05																																																												
IJ08030200	Vendor Prep Prop -LTDL1 OTR(5)/YAG(1) Supports	10	03/23/05	04/05/05																																																												
IJ08030205	RCV: Proposals -LTDL1 OTR(5)/YAG(1) Supports	0		04/05/05																																																												
IJ08030210	Evaluate Proposals -LTDL1 OTR(5)/YAG(1) Supports	5	04/06/05	04/12/05																																																												
IJ08030215	AWARD: Contract for LTDL1 OTR(5)/YAG(1) Supports	1	04/13/05	04/13/05																																																												
IJ08030220	Vendor Fab LTDL1 OTR(5)/YAG(1) Supports	100	04/14/05	09/02/05																																																												
IJ08030155	RCV: LTDL1 OTR(5)/YAG(1)	0		04/27/05																																																												
IJ08030160	Perform Lab Tests on LTDL1 OTR(5)/YAG(1) Assy	30	04/28/05	06/09/05																																																												
IJ08030165	AVAIL: LTDL1 OTR(5)/YAG(1) Assy Ready to Install	0		06/09/05																																																												
IJ08030225	RCV: LTDL1 OTR(5)/YAG(1) Supports	0		09/02/05																																																												
IJ08030270	AVAIL: LTDL1 OTR/YAG Supt Assy Ready for Instl	0		09/02/05																																																												

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04				FY05				FY06				FY07				FY08				
<b>1.02.08.04 LTDL1 Quadrupoles (6ea)</b>																									
IJ08040000	Define LTDL1 Quads Requirements	2	02/01/04A	02/03/04A																					
IJ0804	LTDL1 QUADRUPOLES SUMMARY (6ea)	330	02/01/04A	05/23/05	<b>LTDL1 QUADRUPOLES SUMMARY (6ea)</b>																				
IJ08040010	COMP: LTDL1 Quads Requirements	0		02/03/04A																					
IJ08040026	Design LTDL1 Quads Electrical Connections	5	02/04/04A	02/10/04A																					
IJ08040030	Design LTDL1 Quads Cooling Manifold	5	02/04/04A	02/10/04A																					
IJ08040022	Design LTDL1 Quads Coils	10	02/04/04A	02/18/04A																					
IJ08040015	Design LTDL1S Quads Core	17	02/04/04A	02/27/04A																					
IJ08040045	Design LTDL1 Quads Assembly	20	02/04/04A	02/27/04A																					
IJ08040055	COMP: LTDL1 Quads Design	0		02/27/04A																					
IJ08040090	Define LTDL1 Quads Support Requirements	2	10/04/04	10/05/04																					
IJ08040100	COMP: LTDL1 Quads Supt Requirements Definition	0		10/05/04																					
IJ08040105	Design LTDL1 Quads Supports	10	10/06/04	10/19/04																					
IJ08040115	COMP: LTDL1 Quads Support Design	0		10/19/04																					
IJ08040120	Procure LTDL1 Quads Support	30	10/20/04	12/02/04																					
IJ08040125	RCV: LTDL1 Quads Support	0		12/02/04																					
IJ08040140	Perform LTDL1Quads Mag Meas & Fiducialization	63	12/03/04	03/08/05																					
IJ08040060	Procure LTDL1 Quads	60	02/14/05*	05/09/05																					
IJ08040145	AVAIL: LTDL1 Quads Support Assembly Rdy for Inst	0		03/08/05																					
IJ08040065	RCV: LTDL1 Quads	0		05/09/05																					
IJ08040080	Perform Lab Tests on LTDL1 Quads Assembly	10	05/10/05	05/23/05																					
IJ08040085	AVAIL: LTD Quads Assembly Ready for Installation	0		05/23/05																					
<b>1.02.08.05 Reserved</b>																									
IJ0805	LTDL1 WIRE SCANNER DELETED (3ea)	1	06/01/04	06/01/04	<b>LTDL1 WIRE SCANNER DELETED (3ea)</b>																				
<b>1.02.08.06 LTDL1 RF Kicker</b>																									
IJ08060000	Define Physics Specs	21	02/02/04A	02/27/04A																					
IJ08060005	Define RF Kicker Specs	19	02/02/04A	02/27/04A																					

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.02.08.06 LTDL1 RF Kicker</b>																																																																
IJ08060010	Develop RF Kicker Physics Design	19	02/02/04A	02/27/04A																																																												
IJ08060015	Develop RF Kicker Engineering & Design	19	02/02/04A	02/27/04A																																																												
IJ0806	LTDL1 RF KICKER SUMMARY	558	02/02/04A	04/19/06																																																												
IJ08060020	COMP: RF Kicker Engineering & Design	0		02/27/04A																																																												
IJ08060075	Develop RF Kicker Support Structure Engr & Dsn	22	08/02/04*	08/31/04																																																												
IJ08060080	COMP: RF Kicker Support Structure Engr & Dsn	0		08/31/04																																																												
IJ08060085	Procure Support Structure Materials	21	10/04/04	11/01/04																																																												
IJ08060090	Fab RF Kicker Support Structure	42	11/02/04	01/05/05																																																												
IJ08060025	Prep Bid Pak - RF Kicker	10	04/07/05*	04/20/05																																																												
IJ08060030	RELEASE: RFP - RF Kicker	0		04/20/05																																																												
IJ08060035	Vendors Prep Proposals - RF Kicker	10	04/21/05	05/04/05																																																												
IJ08060040	RCV: Vendor Proposals - RF Kicker	0		05/04/05																																																												
IJ08060045	Evaluate Vendor Proposals - RF Kicker	10	05/05/05	05/18/05																																																												
IJ08060050	AWARD: Contract for RF Kicker	1	05/19/05	05/19/05																																																												
IJ08060055	Vendor RF Kicker Production (build to print)	125	05/20/05	11/15/05																																																												
IJ08060060	RCV: RF Kicker from Vendor	0		11/15/05																																																												
IJ08060065	Vacuum Process Kicker	42	11/16/05	01/19/06																																																												
IJ08060070	Conduct Test & RF Processing	42	01/20/06	03/21/06																																																												
IJ08060095	Integrate RF Kicker onto Supports	21	03/22/06	04/19/06																																																												
IJ08060100	AVAIL: LTDL1 RF Kicker & Supts Ready for Instl	0		04/19/06																																																												
<b>1.02.08.07 LTDL1 Steering Coils (2ea)X-Y</b>																																																																
IJ08070000	Define Steering Coils,(2ea) (LTDL1) Requirements	85*	04/01/04A	07/30/04																																																												
IJ0807	LTDL1 LINAC STEERING COILS SUMMARY(2ea)X-Y	306	04/01/04A	06/17/05																																																												
IJ08070010	COMP: Steering Coils,(2ea) (LTDL1) Requirements	0		07/30/04																																																												
IJ08070015	Design Coils (LTDL1) (2ea)	15	01/24/05	02/11/05																																																												
IJ08070025	Design Electrical Connections (LTDL1)(2ea)	8	02/14/05	02/24/05																																																												

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04				FY05				FY06				FY07				FY08			
<b>1.02.08.07 LTDL1 Steering Coils (2ea)X-Y</b>																								
IJ08070035	Design Assembly (LTDL1)(2ea)	15	02/25/05	03/17/05																				
IJ08070045	COMP: Steering Coils,(2ea) (LTDL1) Design	0		03/17/05																				
IJ08070080	Define Steering Coils,(2ea)(LTDL1) Support Reqmt	5	03/18/05	03/24/05																				
IJ08070050	Procure Steering Coils,(2ea) (LTDL1)	45	03/18/05	05/19/05																				
IJ08070090	COMP: Steering Coils,(2ea)(LTDL1) Supt Rqmts Def	0		03/24/05																				
IJ08070095	Design Steering Coils,(2ea) (LTDL1) Supports	30	03/25/05	05/05/05																				
IJ08070105	COMP: Steering Coils,(2ea)(LTDL1) Supt Design	0		05/05/05																				
IJ08070110	Procure Steering Coils,(2ea) ( LTDL1) Supt	30	05/06/05	06/17/05																				
IJ08070055	RCV: Steering Coils,(2ea)(LTDL1)	0		05/19/05																				
IJ08070070	Perform Magnetic Measmts Steering Coils, (2ea)	5	05/20/05	05/26/05																				
IJ08070075	AVAIL: Steering Coils,(2ea)(LTDL1)Ready for Inst	0		05/26/05																				
IJ08070115	RCV: Steering Coils,(2ea) (LTDL1) Supt	0		06/17/05																				
IJ08070125	AVAIL:Steering Coils,(2ea)(LTDL1)Supt Assy Rdy	0		06/17/05																				
<b>1.02.08.08 LTDL1 PPS Stopper</b>																								
IJ08080000	Define PPS Stopper Rad Specs	42	07/01/04*	08/30/04																				
IJ0808	LTDL1 PPS STOPPER	208	07/01/04	04/29/05																				
IJ08080005	Develop PPS Stopper Engineering & Design	42	08/31/04	10/28/04																				
IJ08080010	COMP: PPS Stopper Engineering & Design	0		10/28/04																				
IJ08080025	Develop PPS Stopper Supt Structure Engr & Desig	40	10/29/04	12/29/04																				
IJ08080015	Procure PPS Stopper (build to print)	81	10/29/04	03/01/05																				
IJ08080030	COMP: PPS Stopper Supt Structure Engr & Design	0		12/29/04																				
IJ08080020	Vacuum Process PPS Stopper	42	12/29/04	03/01/05																				
IJ08080035	Procure PPS Support Structure Materials	21	12/30/04	01/31/05																				
IJ08080040	Fab PPS Stopper Support Structure	42	02/01/05	03/31/05																				
IJ08080045	Integrate / Install PPS Stopper onto Supports	21	04/01/05	04/29/05																				
IJ08080050	AVAIL:LTDL1 PPS Stopper & Supt Struc Rdy for Ins	0		04/29/05																				

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<b>1.02.08.09 LTDL1 E/O EO2</b>																																																																
IJ08090000	Define EO2 Beamline Device Requirements	21	07/01/04*	07/30/04	■ Define EO2 Beamline Device Requirements																																																											
IJ0809	LTDL1 E/O EO2	301	07/01/04	09/12/05	■ LTDL1 E/O EO2																																																											
IJ08090005	COMP: EO2 Beamline Device Requirements	0		07/30/04	◆ COMP: EO2 Beamline Device Requirements																																																											
IJ08090010	Design EO2 Beamline Device	40	08/02/04*	09/27/04	■ Design EO2 Beamline Device																																																											
IJ08090025	COMP: EO2 Beamline Device Design	0		09/27/04	◆ COMP: EO2 Beamline Device Design																																																											
IJ08090115	Define EO2 Optical Table Requirements	5	09/28/04	10/04/04	■ Define EO2 Optical Table Requirements																																																											
IJ08090065	Define EO2 Beamline Device Support Requirements	10	09/28/04	10/11/04	■ Define EO2 Beamline Device Support Requirements																																																											
IJ08090125	COMP: EO2 Optical Table Requirements	0		10/04/04	◆ COMP: EO2 Optical Table Requirements																																																											
IJ08090030	Procure EO2 Beamline Device Materials	60	10/04/04	12/30/04	■ Procure EO2 Beamline Device Materials																																																											
IJ08090075	COMP: EO2 Beamline Device Supt Reqmts Definition	0		10/11/04	◆ COMP: EO2 Beamline Device Supt Reqmts Definition																																																											
IJ08090080	Design EO2 Beamline Device Supports	40	10/12/04	12/08/04	■ Design EO2 Beamline Device Supports																																																											
IJ08090090	COMP: EO2 Beamline Device Support Design	0		12/08/04	◆ COMP: EO2 Beamline Device Support Design																																																											
IJ08090095	Procure EO2 Beamline Device Support Materials	30	12/09/04	01/25/05	■ Procure EO2 Beamline Device Support Materials																																																											
IJ08090130	Design EO2 Optical Table	40	12/09/04	02/08/05	■ Design EO2 Optical Table																																																											
IJ08090035	RCV: EO2 Beamline Device Materials	0		12/30/04	◆ RCV: EO2 Beamline Device Materials																																																											
IJ08090040	Fab & Assemble EO2 Beamline Device Assembly	60	01/03/05	03/29/05	■ Fab & Assemble EO2 Beamline Device Assembly																																																											
IJ08090100	RCV: EO2 Beamline Device Support Materials	0		01/25/05	◆ RCV: EO2 Beamline Device Support Materials																																																											
IJ08090105	Fab & Assemble EO2 Beamline Device Support Assem	20	01/26/05	02/23/05	■ Fab & Assemble EO2 Beamline Device Support Assem																																																											
IJ08090140	COMP: EO2 Optical Table Design	0		02/08/05	◆ COMP: EO2 Optical Table Design																																																											
IJ08090175	Define EO2 Optical Table Support Requirements	10	02/09/05	02/23/05	■ Define EO2 Optical Table Support Requirements																																																											
IJ08090145	Procure EO2 Optical Table Materials	60	02/09/05	05/04/05	■ Procure EO2 Optical Table Materials																																																											
IJ08090110	AVAIL: EO2 Beamline Device Supt Assy Ready for I	0		02/23/05	◆ AVAIL: EO2 Beamline Device Supt Assy Ready for I																																																											
IJ08090185	COMP: EO2 Optical Table Supt Reqmts Definition	0		02/23/05	◆ COMP: EO2 Optical Table Supt Reqmts Definition																																																											
IJ08090190	Design EO2 Optical Table Supports	10	02/24/05	03/09/05	■ Design EO2 Optical Table Supports																																																											
IJ08090200	COMP: EO2 Optical Table Support Design	0		03/09/05	◆ COMP: EO2 Optical Table Support Design																																																											
IJ08090205	Procure EO2 Optical Table Support Materials	30	03/10/05	04/20/05	■ Procure EO2 Optical Table Support Materials																																																											

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.02.08.09 LTDL1 E/O EO2</b>																																																																
IJ08090055	Perform Lab Tests on EO2 Beamline Device Assembl	30	03/30/05	05/10/05																																																												
IJ08090210	RCV: EO2 Optical Table Support Materials	0		04/20/05																																																												
IJ08090215	Fab & Assemble EO2 Optical Table Support Assembl	20	04/21/05	05/18/05																																																												
IJ08090150	RCV: EO2 Optical Table Materials	0		05/04/05																																																												
IJ08090155	Fab & Assemble EO2 Optical Table Assembly	60	05/05/05	07/29/05																																																												
IJ08090060	AVAIL: EO2 Beamline Device Assy Ready for Instal	0		05/10/05																																																												
IJ08090220	AVAIL: EO2 Optical Table Supt Assy Ready for Ins	0		05/18/05																																																												
IJ08090165	Perform Lab Tests on EO2 Optical Table Assembly	30	08/01/05	09/12/05																																																												
IJ08090170	AVAIL: EO2 Optical Table Assy Ready for Install	0		09/12/05																																																												
<b>1.02.08.10 LTDL1 Minor Tube Supports</b>																																																																
IJ08100000	Develop MinorTube Supports Engineering & Desi	63	10/04/04*	01/05/05																																																												
IJ0810	LTDL1 MINOR TUBE SUPPORT SUMMARY	225	10/04/04	08/25/05																																																												
IJ08100005	COMP: MinorTube Supports Engineering & Design	0		01/05/05																																																												
IJ08100010	Prepare Bid Package-Major Tube Supports	10	01/06/05	01/20/05																																																												
IJ08100015	RELEASE: RFP - Major Tube Supports	0		01/20/05																																																												
IJ08100020	Vendors Prep Proposals -Major Tube Supports	15	01/21/05	02/10/05																																																												
IJ08100025	RCV: Vendor Proposals	0		02/10/05																																																												
IJ08100030	Evaluate Vendor Proposals-Major Tube Supports	10	02/11/05	02/25/05																																																												
IJ08100035	AWARD: Contract for Minor Tube Supports	1	02/28/05	02/28/05																																																												
IJ08100040	Vendor Fab, Assy & Test	84	03/01/05	06/27/05																																																												
IJ08100045	Prep & Ship Support Structure to SLAC	42	06/28/05	08/25/05																																																												
IJ08100050	RCV: Minor Tube Supports from Vendor	0		08/25/05																																																												
IJ08100055	AVAIL: Minor Tube Supports Ready for Install	0		08/25/05																																																												
<b>1.02.09 Dog Leg 1 Bend (DL1)</b>																																																																
IJ09	DL1 BEND SUMMARY	588	02/02/04A	06/01/06																																																												

	Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	Fiscal Year Breakdown																	
						FY04			FY05			FY06			FY07			FY08					
<b>1.02.09.01 DL1 B01 &amp; B02 Dipoles</b>																							
IJ09010000	Define BO1 & BO2 Dipoles Requirements	2	02/02/04A	02/03/04A																			
IJ0901	DL1 B01 & B02 DIPOLES SUMMARY	588	02/02/04A	06/01/06	<b>DL1 B01 &amp; B02 DIPOLES SUMMARY</b>																		
IJ09010010	COMP: BO1 & BO2 Dipoles Requirements	0		02/03/04A																			
IJ09010040	Design BO1 & BO2 Dipoles Electrical Connections	10	02/04/04A	02/18/04A																			
IJ09010050	Design BO1 & BO2 Dipoles Cooling Manifold	10	02/04/04A	02/18/04A																			
IJ09010015	Perform Magnetic Analysis BO1 & BO2 Dipoles	20	02/04/04A	02/27/04A																			
IJ09010020	Design BO1 & BO2 Dipoles Core	17	02/04/04A	02/27/04A																			
IJ09010030	Design BO1 & BO2 Dipoles Coils	17	02/04/04A	02/27/04A																			
IJ09010060	Design BO1 & BO2 Dipoles Assembly	17	02/04/04A	02/27/04A																			
IJ09010070	COMP: BO1 & BO2 Dipoles Design	0		02/27/04A																			
IJ09010100	Define BO1 & BO2 Dipoles Support Requirements	2	08/18/04*	08/19/04	Define BO1 & BO2 Dipoles Support Requirements																		
IJ09010105	COMP: BO1 & BO2 Dipoles Supt Requirements Defini	0		08/19/04	◆ COMP: BO1 & BO2 Dipoles Supt Requirements Defini																		
IJ09010110	Design BO1 & BO2 Dipoles Supports	20	08/20/04	09/17/04	■ Design BO1 & BO2 Dipoles Supports																		
IJ09010120	COMP: BO1 & BO2 Dipoles Support Design	0		09/17/04	◆ COMP: BO1 & BO2 Dipoles Support Design																		
IJ09010125	Procure BO1 & BO2 Dipoles Support Materials	30	10/04/04	11/12/04	■ Procure BO1 & BO2 Dipoles Support Materials																		
IJ09010073	Fab & Assy BO1 & BO2 Dipoles	60	10/04/04	12/30/04	■ Fab & Assy BO1 & BO2 Dipoles																		
IJ09010075	Procure BO1 & BO2 Dipoles Material	60	10/04/04	12/30/04	■ Procure BO1 & BO2 Dipoles Material																		
IJ09010130	RCV: BO1 & BO2 Dipoles Support Materials	0		11/12/04	◆ RCV: BO1 & BO2 Dipoles Support Materials																		
IJ09010135	Fab & Assemble BO1 & BO2 Dipoles Support Assemb	45	11/15/04	01/24/05	■ Fab & Assemble BO1 & BO2 Dipoles Support Assemb																		
IJ09010085	Perform Lab Tests on BO1 & BO2 Dipoles Assembly	10	01/03/05	01/14/05	■ Perform Lab Tests on BO1 & BO2 Dipoles Assembly																		
IJ09010145	AVAIL: BO1 & BO2 Dipoles Support Assembly Ready	0		01/24/05	◆ AVAIL: BO1 & BO2 Dipoles Support Assembly Ready																		
IJ09010140	Perf BO1 & BO2 Dipoles Mag Meas&Fiducialization	63	01/25/05	04/22/05	■ Perf BO1 & BO2 Dipoles Mag Meas&Fiducialization																		
IJ09010095	AVAIL: BO1 & BO2 Dipoles Assembly Ready for Inst	0		04/22/05	◆ AVAIL: BO1 & BO2 Dipoles Assembly Ready for Inst																		
MS3_IJ035	BO1 & BO2 Dipoles Assembly Ready for Inst	0		06/01/06*	◆ BO1 & BO2 Dipoles Assembly Ready for Inst																		
<b>1.02.09.02 DL1 QB Quadrupole</b>																							
IJ09020000	Define DL1 Quads Requirements	2	02/02/04A	02/03/04A																			

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.02.09.02 DL1 QB Quadrupole</b>					<b>DL1 QUADRUPOLE SUMMARY(1ea)</b>																																																											
IJ0902	DL1 QUADRUPOLE SUMMARY(1ea)	321	02/02/04A	05/10/05	<b>DL1 QUADRUPOLE SUMMARY(1ea)</b>																																																											
IJ09020005	COMP: DL1 Quads Requirements	0		02/03/04A																																																												
IJ09020020	Design DL1 Quads Electrical Connections	5	02/04/04A	02/10/04A																																																												
IJ09020025	Design DL1 Quads Cooling Manifold	5	02/04/04A	02/10/04A																																																												
IJ09020015	Design DL1S Quads Coils	10	02/04/04A	02/18/04A																																																												
IJ09020010	Design DL1S Quads Core	17	02/04/04A	02/27/04A																																																												
IJ09020030	Design DL1 Quads Assembly	17	02/04/04A	02/27/04A																																																												
IJ09020035	COMP: DL1 Quads Design	0		02/27/04A																																																												
IJ09020070	Define DL1 Quads Support Requirements	2	10/04/04	10/05/04	<b>Define DL1 Quads Support Requirements</b>																																																											
IJ09020075	COMP: DL1 Quads Support Requirements Defin.	0		10/05/04	◆ COMP: DL1 Quads Support Requirements Defin.																																																											
IJ09020080	Design DL1 Quads Supports	10	10/06/04	10/19/04	■ Design DL1 Quads Supports																																																											
IJ09020085	COMP: DL1 Quads Supports Design	0		10/19/04	◆ COMP: DL1 Quads Supports Design																																																											
IJ09020090	Procure DL1 Quads Support Material	30	10/20/04	12/02/04	■ Procure DL1 Quads Support Material																																																											
IJ09020045	Procure DL1 Quads Material	60	11/02/04*	02/01/05	■ Procure DL1 Quads Material																																																											
IJ09020095	RCV: DL1 Quads Support Material	0		12/02/04	◆ RCV: DL1 Quads Support Material																																																											
IJ09020100	Fab & Assemble DL1 Quads Supt Assembly	45	12/03/04	02/09/05	■ Fab & Assemble DL1 Quads Supt Assembly																																																											
IJ09020050	RCV: DL1 Quads Material	0		02/01/05	◆ RCV: DL1 Quads Material																																																											
IJ09020055	Fab & Assemble DL1 Quads Assembly	56	02/02/05	04/21/05	■ Fab & Assemble DL1 Quads Assembly																																																											
IJ09020105	Perform DL1 Quads Mag Meas. & Fiducialization	63	02/10/05	05/10/05	■ Perform DL1 Quads Mag Meas. & Fiducialization																																																											
IJ09020060	Perform Lab Tests on DL1 Quads Assembly	10	04/22/05	05/05/05	■ Perform Lab Tests on DL1 Quads Assembly																																																											
IJ09020065	AVAIL: DL1 Quads Assembly Ready for Install	0		05/05/05	◆ AVAIL: DL1 Quads Assembly Ready for Install																																																											
IJ09020110	AVAIL: DL1 Quads Supt Assy Ready for Install	0		05/10/05	◆ AVAIL: DL1 Quads Supt Assy Ready for Install																																																											
<b>1.02.09.03 DL1 Wire Scanner</b>					<b>DL1 WIRE SCANNER DELETED(1ea)</b>																																																											
IJ0903	DL1 WIRE SCANNER DELETED(1ea)	1	05/03/04A	05/03/04A	<b>DL1 WIRE SCANNER DELETED(1ea)</b>																																																											
<b>1.02.09.04 DL1 OTR</b>																																																																
IJ09040100	Define DL1 OTR Requirements	5	02/02/04A	02/06/04A																																																												



Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.02.09.04 DL1 OTR</b>																																																																
IJ0904	DL1 OTR SUMMARY	412	02/02/04A	09/19/05																																																												
IJ09040105	COMP: DL1 OTR Requirements	0		02/06/04A																																																												
IJ09040170	Define DL1 OTR Support Requirements	21	07/01/04*	07/30/04																																																												
IJ09040175	COMP: DL1 OTR Support Rqmts Defin	0		07/30/04																																																												
IJ09040110	Design DL1 OTR	100	10/04/04*	03/01/05																																																												
IJ09040115	COMP: DL1 OTR Design	0		03/01/05																																																												
IJ09040120	Prep Bid Pak - DL1 OTR	5	03/02/05	03/08/05																																																												
IJ09040180	Design DL1 OTR Supports	20	03/02/05	03/29/05																																																												
IJ09040125	RELEASE RFP: DL1 OTR	0		03/08/05																																																												
IJ09040130	Vendor Prep Proposals - DL1 OTR	10	03/09/05	03/22/05																																																												
IJ09040135	RCV: Proposals - DL1 OTR	0		03/22/05																																																												
IJ09040140	Evaluate Proposals -DL1 OTR	5	03/23/05	03/29/05																																																												
IJ09040185	COMP: DL1 OTR Supports Design	0		03/29/05																																																												
IJ09040145	AWARD: Contract for DL1 OTR	1	03/30/05	03/30/05																																																												
IJ09040190	Prep Bid Pak - DL1 OTR Supports	5	03/30/05	04/05/05																																																												
IJ09040150	Vendor Fab DL1 OTR	30	03/31/05	05/11/05																																																												
IJ09040195	RELEASE RFP: DL1 OTR Supports	0		04/05/05																																																												
IJ09040200	Vendor Prep Proposals - DL1 OTR Supports	10	04/06/05	04/19/05																																																												
IJ09040205	RCV: Proposals - DL1 OTR Supports	0		04/19/05																																																												
IJ09040210	Evaluate Proposals -DL1 OTR Supports	5	04/20/05	04/26/05																																																												
IJ09040215	AWARD: Contract for DL1 OTR Supports	1	04/27/05	04/27/05																																																												
IJ09040220	Vendor Fab DL1 OTR Supports	100	04/28/05	09/19/05																																																												
IJ09040155	RCV: DL1 OTR	0		05/11/05																																																												
IJ09040160	Perform Lab Tests on DL1 OTR Assembly	30	05/12/05	06/23/05																																																												
IJ09040165	AVAIL: DL1 OTR Assy Ready to Install	0		06/23/05																																																												
IJ09040225	RCV: DL1 OTR Supports	0		09/19/05																																																												

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.02.09.04 DL1 OTR</b>																																																																
IJ09040270	AVAIL: DL1 OTR Supt Assy Ready for Instl	0		09/19/05																																																												
<b>1.02.09.05 DL1 Supports</b>																																																																
IJ09050000	Develop DL1 Engineering & Design	63	10/04/04	01/05/05	■ Develop DL1 Engineering & Design																																																											
IJ0905	DL1 SUPPORTS SUMMARY	190	10/04/04	07/07/05	■ DL1 SUPPORTS SUMMARY																																																											
IJ09050005	COMP: DL1 Engineering & Design	0		01/05/05	◆ COMP: DL1 Engineering & Design																																																											
IJ09050010	Prep Bid Pak - DL1 Supports	17	01/06/05	01/31/05	■ Prep Bid Pak - DL1 Supports																																																											
IJ09050015	RELEASE: RFP - DL1 Supports	0		01/31/05	◆ RELEASE: RFP - DL1 Supports																																																											
IJ09050020	Vendors Prep Proposals - DL1 Supports	15	02/01/05	02/22/05	■ Vendors Prep Proposals - DL1 Supports																																																											
IJ09050025	RCV: Vendor Proposals-DL1 Supports	0		02/22/05	◆ RCV: Vendor Proposals-DL1 Supports																																																											
IJ09050030	Evaluate Vendor Proposals-DL1 Supports	10	02/23/05	03/08/05	■ Evaluate Vendor Proposals-DL1 Supports																																																											
IJ09050035	AWARD: Contract for DL1 Supports	1	03/09/05	03/09/05	■ AWARD: Contract for DL1 Supports																																																											
IJ09050040	Vendor Fab - (build to print)	84	03/10/05	07/07/05	■ Vendor Fab - (build to print)																																																											
IJ09050045	AVAIL: DL1 Supports ready for Install	0		07/07/05	◆ AVAIL: DL1 Supports ready for Install																																																											
<b>1.02.09.06 DL1 Vacuum Chamber</b>																																																																
IJ09060000	Develop DL1 Vacuum Chamber Engineering & Design	63	01/06/05	04/06/05	■ Develop DL1 Vacuum Chamber Engineering & Design																																																											
IJ0906	DL1 VACUUM CHAMBER SUMMARY	288	01/06/05	02/28/06	■ DL1 VACUUM CHAMBER SUMMARY																																																											
IJ09060005	COMP: DL1 Vacuum Chamber Engineering & Design	0		04/06/05	◆ COMP: DL1 Vacuum Chamber Engineering & Design																																																											
IJ09060010	Prepare Bid Package - DL1 Vacuum Chamber	10	04/07/05	04/20/05	■ Prepare Bid Package - DL1 Vacuum Chamber																																																											
IJ09060055	Dev DL1 Vac Chamber Sprt Structure Engr & Desi	42	04/07/05	06/06/05	■ Dev DL1 Vac Chamber Sprt Structure Engr & Desi																																																											
IJ09060015	RELEASE: RFP - DL1 Vacuum Chamber	0		04/20/05	◆ RELEASE: RFP - DL1 Vacuum Chamber																																																											
IJ09060020	Vendors Prep Proposals - DL1 Vacuum Chamber	15	04/21/05	05/11/05	■ Vendors Prep Proposals - DL1 Vacuum Chamber																																																											
IJ09060025	RCV: Vendor Proposals DL1 Vacuum Chamber	0		05/11/05	◆ RCV: Vendor Proposals DL1 Vacuum Chamber																																																											
IJ09060030	Evaluate Vendor Proposals DL1 Vacuum Chamber	10	05/12/05	05/25/05	■ Evaluate Vendor Proposals DL1 Vacuum Chamber																																																											
IJ09060035	AWARD: Contract for DL1 Vacuum Chamber	1	05/26/05	05/26/05	■ AWARD: Contract for DL1 Vacuum Chamber																																																											
IJ09060040	Vendor Fab, Assy & Test DL1 Vacuum Chamber	84	05/27/05	09/26/05	■ Vendor Fab, Assy & Test DL1 Vacuum Chamber																																																											
IJ09060060	COMP: DL1 Vac Chamber Sprt Struct Engr & Design	0		06/06/05	◆ COMP: DL1 Vac Chamber Sprt Struct Engr & Design																																																											

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.02.09.06 DL1 Vacuum Chamber</b>																																																																
IJ09060065	Procure Support DL1 Structure Materials	21	06/07/05	07/06/05																																																												
IJ09060070	Fab DL1 Vacuum Chamber Support Structure	42	07/07/05	09/02/05																																																												
IJ09060045	RCV: DL1 Vacuum Chamber from Vendor	0		09/26/05																																																												
IJ09060050	Vacuum Process DL1 Vacuum Chamber	42	09/27/05	11/23/05																																																												
IJ09060075	Install DL1 Vac Chamber onto Supports	21	11/28/05	12/27/05																																																												
IJ09060080	Conduct DL1 Vacuum Components Testing	42	12/28/05	02/28/06																																																												
IJ09060085	AVAIL: DL1 Vacuum Chamber Ready for Install	0		02/28/06																																																												
<b>1.02.10 DL1 to Linac (DL1TL)</b>																																																																
IJ10	DOG LEG 1 TO LINAC SUMMARY	616	01/02/04A	06/13/06																																																												
<b>1.02.10.01 DL1TL BPMs (2)</b>																																																																
IJ10010000	Define DL1TL BPM (2ea) Eng Requirements	21	07/01/04*	07/30/04																																																												
IJ1001	DL1TL BPMs (2ea) SUMMARY	299	07/01/04	09/08/05																																																												
IJ10010010	COMP: DL1TL BPM (2ea) Requirements	0		07/30/04																																																												
IJ10010015	Engineer DL1TL BPM (2ea)	20	08/02/04*	08/27/04																																																												
IJ10010020	Design DL1TL BPM (2ea)	20	01/05/05	02/02/05																																																												
IJ10010025	COMP: DL1TL BPM (2ea) Eng/Design	0		02/02/05																																																												
IJ10010070	Define DL1TL BPM (2ea) Support Requirements	2	02/03/05	02/04/05																																																												
IJ10010030	Procure DL1TL BPM(2ea) Material (build to print)	60	02/03/05	04/28/05																																																												
IJ10010080	COMP: DL1TL BPM (2ea) Supt Reqmts Definition	0		02/04/05																																																												
IJ10010085	Design DL1TL BPM (2ea) Supports	10	02/07/05	02/18/05																																																												
IJ10010095	COMP: DL1TL BPM (2ea) Support Design	0		02/18/05																																																												
IJ10010100	Procure DL1TL BPM (2ea) Supt Material (build to	20	02/22/05	03/21/05																																																												
IJ10010105	RCV: DL1TL BPM (2ea) Support Materials	0		03/21/05																																																												
IJ10010110	Fab & Assemble DL1TL BPM (2ea) Support Assy	10	03/22/05	04/04/05																																																												
IJ10010115	AVAIL:DL1TL BPM(2ea)Supt Assy Ready for Install	0		04/04/05																																																												
IJ10010035	RCV: DL1TL BPM (2ea) Material	0		04/28/05																																																												

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.02.10.01 DL1TL BPMs (2)</b>																																																																
IJ10010040	Fab & Assemble DL1TL BPM (2ea) Assembly	30	04/29/05	06/10/05	■ Fab & Assemble DL1TL BPM (2ea) Assembly																																																											
IJ10010050	Perform Lab Tests on DL1TL BPM (2ea) Assembly	10	06/13/05	06/24/05	■ Perform Lab Tests on DL1TL BPM (2ea) Assembly																																																											
IJ10010055	Perform Lab Tests on DL1TL BPM (2ea) Calibration	10	06/27/05	07/11/05	■ Perform Lab Tests on DL1TL BPM (2ea) Calibration																																																											
IJ10010060	Vacuum Process BPM (2ea)	42	07/12/05	09/08/05	■ Vacuum Process BPM (2ea)																																																											
IJ10010065	AVAIL: DL1TL BPM (2ea) Assy Ready for Install	0		09/08/05	◆ AVAIL: DL1TL BPM (2ea) Assy Ready for Install																																																											
<b>1.02.10.02 DL1TL Steering Coils (3eaX-Y Assys)</b>																																																																
IJ10020000	Define Steering Coils,(DL1TL)(3ea) Requirements	21	07/01/04*	07/30/04	■ Define Steering Coils,(DL1TL)(3ea) Requirements																																																											
IJ1002	DL1TL STEERING COILS SUMMARY(3eaX-Y Assys)	325	07/01/04	10/14/05	■ DL1TL STEERING COILS SUMMARY(3eaX-Y Assys)																																																											
IJ10020010	COMP: Steering Coils,(DL1TL)(3ea) Requirements	0		07/30/04	◆ COMP: Steering Coils,(DL1TL)(3ea) Requirements																																																											
IJ10020015	Design Coils (DL1TL)(3ea)	15	05/06/05	05/26/05	■ Design Coils (DL1TL)(3ea)																																																											
IJ10020025	Design Electrical Connections (DL1TL)(3ea)	8	05/27/05	06/08/05	■ Design Electrical Connections (DL1TL)(3ea)																																																											
IJ10020035	Design Assembly (DL1TL)(3ea)	15	06/09/05	06/29/05	■ Design Assembly (DL1TL)(3ea)																																																											
IJ10020045	COMP: Steering Coils,(DL1TL) (3ea) Design	0		06/29/05	◆ COMP: Steering Coils,(DL1TL) (3ea) Design																																																											
IJ10020080	Define Steering Coils,(DL1TL)(3ea)Support Reqmts	5	06/30/05	07/07/05	■ Define Steering Coils,(DL1TL)(3ea)Support Reqmts																																																											
IJ10020050	Procure Steering Coils,(DL1TL) (3ea) Materials	45	06/30/05	09/01/05	■ Procure Steering Coils,(DL1TL) (3ea) Materials																																																											
IJ10020090	COMP: Steering Coils,(DL1TL)(3ea) Supt Reqmts	0		07/07/05	◆ COMP: Steering Coils,(DL1TL)(3ea) Supt Reqmts																																																											
IJ10020095	Design Steering Coils, (DL1TL)(3ea) Supports	30	07/08/05	08/18/05	■ Design Steering Coils, (DL1TL)(3ea) Supports																																																											
IJ10020105	COMP: Steering Coils,(DL1TL)(3ea) Support Design	0		08/18/05	◆ COMP: Steering Coils,(DL1TL)(3ea) Support Design																																																											
IJ10020110	Procure Steering Coils,(DL1TL)(3ea)Support Matls	30	08/19/05	09/30/05	■ Procure Steering Coils,(DL1TL)(3ea)Support Matls																																																											
IJ10020055	RCV: Steering Coils, (DL1TL)(3ea) Materials	0		09/01/05	◆ RCV: Steering Coils, (DL1TL)(3ea) Materials																																																											
IJ10020060	Fab & Assemble Steering Coils,(DL1TL)(3ea) Assy	10	09/02/05	09/16/05	■ Fab & Assemble Steering Coils,(DL1TL)(3ea) Assy																																																											
IJ10020070	Perform Magnetic Measmts Steering Coils, (3ea)	5	09/19/05	09/23/05	■ Perform Magnetic Measmts Steering Coils, (3ea)																																																											
IJ10020075	AVAIL:Steering Coils,(DL1TL)(3ea)Ready for Instl	0		09/23/05	◆ AVAIL:Steering Coils,(DL1TL)(3ea)Ready for Instl																																																											
IJ10020115	RCV: Steering Coils,(DL1TL)(3ea) Support Matls	0		09/30/05	◆ RCV: Steering Coils,(DL1TL)(3ea) Support Matls																																																											
IJ10020120	Fab & Assemble Steering Coils(DL1TL)(3ea) Supt	10	10/03/05	10/14/05	■ Fab & Assemble Steering Coils(DL1TL)(3ea) Supt																																																											
IJ10020125	AVAIL:Steering Coils,(DL1TL)(3ea)Supts Rdy for I	0		10/14/05	◆ AVAIL:Steering Coils,(DL1TL)(3ea)Supts Rdy for I																																																											

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.02.10.03 DL1TL Quadrupoles (2)</b>																																																																
IJ10030000	Define DL1TL Quads Requirements	2	02/02/04A	02/03/04A																																																												
IJ1003	DL1TL QUADRUPOLES SUMMARY (2EA)	431	02/02/04A	10/14/05													DL1TL QUADRUPOLES SUMMARY (2EA)																																															
IJ10030004	COMP: DL1TL Quads Requirements	0		02/03/04A																																																												
IJ10030014	Design DL1TL Quads Electrical Connections	5	02/04/04A	02/10/04A																																																												
IJ10030018	Design DL1TL Quads Cooling Manifold	5	02/04/04A	02/10/04A																																																												
IJ10030010	Design DL1TL Quads Coils	10	02/04/04A	02/18/04A																																																												
IJ10030006	Design DL1TL Quads Core	17	02/04/04A	02/27/04A																																																												
IJ10030022	Design DL1TL Quads Assembly	17	02/04/04A	02/27/04A																																																												
IJ10030026	COMP: DL1TL Quads Design	0		02/27/04A																																																												
IJ10030040	Define DL1TL Quads Support Requirements	2	01/06/05*	01/07/05																									Define DL1TL Quads Support Requirements																																			
IJ10030028	Procure DL1TL Quads Material	60	01/06/05*	04/01/05																									Procure DL1TL Quads Material																																			
IJ10030044	COMP: DL1TL Quads Supt Requirements Definition	0		01/07/05																									COMP: DL1TL Quads Supt Requirements Definition																																			
IJ10030046	Design DL1TL Quads Supports	10	01/10/05	01/24/05																									Design DL1TL Quads Supports																																			
IJ10030050	COMP: DL1TL Quads Support Design	0		01/24/05																									COMP: DL1TL Quads Support Design																																			
IJ10030052	Procure DL1TL Quads Support Materials	30	01/25/05	03/08/05																									Procure DL1TL Quads Support Materials																																			
IJ10030054	RCV: DL1TL Quads Support Materials	0		03/08/05																									RCV: DL1TL Quads Support Materials																																			
IJ10030056	Fab & Assemble DL1TL Quads Support Assembly	50	03/09/05	05/17/05																									Fab & Assemble DL1TL Quads Support Assembly																																			
IJ10030030	RCV: DL1TL Quads Material	0		04/01/05																									RCV: DL1TL Quads Material																																			
IJ10030032	Fab & Assemble DL1TL Quads Assembly	56	04/04/05	06/21/05																									Fab & Assemble DL1TL Quads Assembly																																			
IJ10030060	Perform DL1TL Quadrupole Mag Meas & Fiducial	63	05/18/05	08/16/05																									Perform DL1TL Quadrupole Mag Meas & Fiducial																																			
IJ10030034	Fab & Assemble DL1TL Quads Assembly	56	06/22/05	09/09/05																									Fab & Assemble DL1TL Quads Assembly																																			
IJ10030062	AVAIL: DL1TL Quads Support Assembly Rdy for Ins	0		08/16/05																									AVAIL: DL1TL Quads Support Assembly Rdy for Ins																																			
IJ10030036	Perform Lab Tests on DL1TL Quads Assembly	25	09/12/05	10/14/05																									Perform Lab Tests on DL1TL Quads Assembly																																			
IJ10030038	AVAIL: DL1TL Quads Assembly Ready for Install	0		10/14/05																									AVAIL: DL1TL Quads Assembly Ready for Install																																			
<b>1.02.10.04 DL1TL Vacuum Components</b>																																																																
IJ10040000	Dev Vacuum Components Engr & Design (60%)	60	02/04/05	04/29/05																									Dev Vacuum Components Engr & Design (60%)																																			

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.02.10.04 DL1TL Vacuum Components</b>					<b>DL1TL VACUUM COMPONENTS SUMMARY</b>																																																											
IJ1004	DL1TL VACUUM COMPONENTS SUMMARY	342	02/04/05	06/13/06																																																												
IJ10040005	COMP: Vacuum Components Engineering & Design	0		04/29/05	◆ COMP: Vacuum Components Engineering & Design																																																											
IJ10040015	Prep Bid Pak - SAB Vacuum Components	10	05/02/05	05/13/05	■ Prep Bid Pak - SAB Vacuum Components																																																											
IJ10040060	Develop Vac Components Supports Engr & Design	21	05/02/05	05/31/05	■ Develop Vac Components Supports Engr & Design																																																											
IJ10040070	Procure Support Structure Materials	21	05/02/05	05/31/05	■ Procure Support Structure Materials																																																											
IJ10040020	RELEASE: RFP - SAB Vacuum Components	0		05/13/05	◆ RELEASE: RFP - SAB Vacuum Components																																																											
IJ10040025	Vendors Prep Proposals -SAB Vacuum Components	10	05/16/05	05/27/05	■ Vendors Prep Proposals -SAB Vacuum Components																																																											
IJ10040030	RCV: Vendor Proposals-SAB Vacuum Components	0		05/27/05	◆ RCV: Vendor Proposals-SAB Vacuum Components																																																											
IJ10040065	COMP: Vac Components Supports Engr & Design	0		05/31/05	◆ COMP: Vac Components Supports Engr & Design																																																											
IJ10040035	Evaluate Vendor Proposals-SAB Vacuum Components	10	05/31/05	06/13/05	■ Evaluate Vendor Proposals-SAB Vacuum Components																																																											
IJ10040075	Fab Vacuum Components Support Structure	63	06/01/05	08/29/05	■ Fab Vacuum Components Support Structure																																																											
IJ10040040	AWARD: Contract for SAB Vacuum Components	1	06/14/05	06/14/05	■ AWARD: Contract for SAB Vacuum Components																																																											
IJ10040045	Vendor SAB Vacuum Components Production	125	06/15/05	12/12/05	■ Vendor SAB Vacuum Components Production																																																											
IJ10040050	RCV: SAB Vacuum Components from Vendor	0		12/12/05	◆ RCV: SAB Vacuum Components from Vendor																																																											
IJ10040055	Vacuum Process Vacuum Components	63	12/13/05	03/15/06	■ Vacuum Process Vacuum Components																																																											
IJ10040080	Install Vacuum Components onto Supports	21	03/16/06	04/13/06	■ Install Vacuum Components onto Supports																																																											
IJ10040085	Conduct Vacuum Components Testing	42	04/14/06	06/13/06	■ Conduct Vacuum Components Testing																																																											
IJ10040090	AVAIL: Vacuum Comp. & Supports Ready for Insta	0		06/13/06	◆ AVAIL: Vacuum Comp. & Supports Ready																																																											
<b>1.02.10.05 DL1TL Current Monitor (CM4)</b>					<b>DL1TL CURRENT MONITOR (CM4)</b>																																																											
IJ10050000	Define Current Monitor (CM4) Requirements	5	01/02/04A	01/09/04A																																																												
IJ1005	DL1TL CURRENT MONITOR (CM4)	355	01/02/04A	05/31/05																																																												
IJ10050005	COMP: Current Monitor (CM4) Requirements	0		01/09/04A																																																												
IJ10050010	Design Current Monitor (CM4)	10	01/12/04A	01/23/04A																																																												
IJ10050060	Define Current Monitor (CM4) Support Requirement	5	01/12/04A	01/23/04A																																																												
IJ10050025	COMP: Current Monitor (CM4) Design	0		01/23/04A																																																												
IJ10050070	COMP: Current Monitor (CM4) Supt Reqmts Def	0		01/23/04A																																																												

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.02.10.05 DL1TL Current Monitor (CM4 )</b>																																																																
IJ10050075	Design Current Monitor (CM4) Supports	3	10/04/04	10/06/04																																																												
IJ10050030	Procure Current Monitor (CM4)	90	10/04/04	02/14/05																																																												
IJ10050085	COMP: Current Monitor (CM4) Support Design	0		10/06/04																																																												
IJ10050090	Procure Current Monitor (CM4) Support Materials	30	10/07/04	11/17/04																																																												
IJ10050095	RCV: Current Monitor (CM4) Support Materials	0		11/17/04																																																												
IJ10050100	Fab & Assemble Current Monitor (CM4) Supt Assy	10	11/18/04	12/03/04																																																												
IJ10050105	AVAIL:Current Monitor(CM4)Supt Assy Rdy for Ins	0		12/03/04																																																												
IJ10050035	RCV: Current Monitor (CM4)	0		02/14/05																																																												
IJ10050040	Assemble Current Monitor (CM4) Assembly	2	02/15/05	02/16/05																																																												
IJ10050045	Perform Lab Tests on Current Monitor (CM4) Assy	30	02/17/05	03/31/05																																																												
IJ10050050	Vacuum Process Current Monitor (CM4)	42	04/01/05	05/31/05																																																												
IJ10050055	AVAIL: Current Monitor (CM4) Assy Ready for Inst	0		05/31/05																																																												
<b>1.02.10.06 DL1TL OTR</b>																																																																
IJ10060100	Define DL1TL OTR Requirements	5	02/02/04A	02/06/04A																																																												
IJ1006	DL1TL OTR SUMMARY OTR	412	02/02/04A	09/19/05																																																												
IJ10060105	COMP: DL1TL OTR Requirements	0		02/06/04A																																																												
IJ10060165	Define DL1TL OTR Support Requirements	22	08/02/04*	08/31/04																																																												
IJ10060170	COMP: DL1TL OTR Support Rqmts Defin	0		08/31/04																																																												
IJ10060110	Design DL1TL OTR	100	10/04/04*	03/01/05																																																												
IJ10060115	COMP: DL1TL OTR Design	0		03/01/05																																																												
IJ10060117	Prep Bid Pak - DL1TL OTR	5	03/02/05	03/08/05																																																												
IJ10060175	Design DL1TL OTR Supports	20	03/02/05	03/29/05																																																												
IJ10060120	RELEASE RFP: DL1TL OTR	0		03/08/05																																																												
IJ10060125	Vendor Prep Proposals - DL1TL OTR	10	03/09/05	03/22/05																																																												
IJ10060130	RCV: Proposals - DL1TL OTR	0		03/22/05																																																												
IJ10060135	Evaluate Proposals -DL1TL OTR	5	03/23/05	03/29/05																																																												

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.02.10.06 DL1TL OTR</b>																																																																
IJ10060180	COMP: DL1TL OTR Supports Design	0		03/29/05																																																												
IJ10060140	AWARD: Contract for DL1TL OTR	1	03/30/05	03/30/05																																																												
IJ10060185	Prep Bid Pak - DL1TL OTR Supports	5	03/30/05	04/05/05																																																												
IJ10060145	Vendor Fab DL1TL OTR	30	03/31/05	05/11/05																																																												
IJ10060190	RELEASE RFP: DL1TL OTR Supports	0		04/05/05																																																												
IJ10060195	Vendor Prep Proposals - DL1TL OTR Supports	10	04/06/05	04/19/05																																																												
IJ10060200	RCV: Proposals - DL1TL OTR Supports	0		04/19/05																																																												
IJ10060205	Evaluate Proposals -DL1TL OTR Supports	5	04/20/05	04/26/05																																																												
IJ10060210	AWARD: Contract for DL1TL OTR Supports	1	04/27/05	04/27/05																																																												
IJ10060215	Vendor Fab DL1TL OTR Supports	100	04/28/05	09/19/05																																																												
IJ10060150	RCV: DL1TL OTR	0		05/11/05																																																												
IJ10060155	Perform Lab Tests on DL1TL OTR Assembly	30	05/12/05	06/23/05																																																												
IJ10060160	AVAIL: DL1TL OTR Assy Ready to Install	0		06/23/05																																																												
IJ10060220	RCV: DL1TL OTR Supports	0		09/19/05																																																												
IJ10060270	AVAIL: DL1TL OTR Supt Assy Ready for Instl	0		09/19/05																																																												
<b>1.02.10.07 Reserved</b>																																																																
IJ1007	DL1TL EO3 DELETED	1	06/01/04	06/01/04	DL1TL EO3 DELETED																																																											
<b>1.02.11 Straight Ahead Beamline (SAB)</b>																																																																
IJ11	STRAIGHT AHEAD BEAMLINE SUMMARY	637	01/02/04A	07/13/06	STRAIGHT AHEAD BEAMLINE SUMMARY																																																											
<b>1.02.11.01 SAB Spectrometer Dipole</b>																																																																
IJ11010000	Define SAB Spectr. Dipole Requirements	21	07/01/04*	07/30/04	Define SAB Spectr. Dipole Requirements																																																											
IJ1101	SAB SPECTROMETER DIPOLE SUMMARY	482	07/01/04	06/01/06	SAB SPECTROMETER DIPOLE SUMMARY																																																											
IJ11010005	COMP: SAB Spectr. Dipole Requirements	0		07/30/04	COMP: SAB Spectr. Dipole Requirements																																																											
IJ11010010	Perform Magnetic Analysis SAB Spectr. Dipole	20	08/02/04*	08/27/04	Perform Magnetic Analysis SAB Spectr. Dipole																																																											
IJ11010140	Define SAB Spectr. Dipole Support Requirements	2	10/04/04	10/05/04	Define SAB Spectr. Dipole Support Requirements																																																											
IJ11010015	Design SAB Spectr. Dipole Core	40	10/04/04	11/30/04	Design SAB Spectr. Dipole Core																																																											



Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.02.11.01 SAB Spectrometer Dipole</b>																																																																
IJ11010150	COMP: SAB Spectr. Dipole Supt Requirements Defin	0		10/05/04																																																												
IJ11010155	Design SAB Spectr. Dipole Supports	20	10/06/04	11/02/04																																																												
IJ11010165	COMP: SAB Spectr. Dipole Support Design	0		11/02/04																																																												
IJ11010170	Procure SAB Spectr. Dipole Support Materials	30	11/03/04	12/16/04																																																												
IJ11010025	Design SAB Spectr. Dipole Coils	20	12/01/04	12/30/04																																																												
IJ11010075	RCV: SAB Spectr. Dipole Support Material	0		12/16/04																																																												
IJ11010180	Fab & Assemble SAB Spectr. Dipole Support Assy	45	12/17/04	02/24/05																																																												
IJ11010035	Design SAB Spectr. Dipole Electrical Connections	10	01/03/05	01/14/05																																																												
IJ11010045	Design SAB Spectr. Dipole Cooling Manifold	10	01/18/05	01/31/05																																																												
IJ11010055	Design SAB Spectr. Dipole Assembly	40	02/01/05	03/29/05																																																												
IJ11010182	Perf SAB Spect Dipole Mag Meas&Fiducialization	63	02/25/05	05/24/05																																																												
IJ11010065	COMP: SAB Spectr. Dipole Design	0		03/29/05																																																												
IJ11010080	Prep Bid Pak - SAB Spectr. Dipole	10	03/30/05	04/12/05																																																												
IJ11010085	RELEASE: RFP - SAB Spectr. Dipole	0		04/12/05																																																												
IJ11010090	Vendors Prep Proposals - SAB Spectr. Dipole	10	04/13/05	04/26/05																																																												
IJ11010095	RCV: Vendor Proposals-SAB Spectr. Dipole	0		04/26/05																																																												
IJ11010100	Evaluate Vendor Proposals-SAB Spectr. Dipole	10	04/27/05	05/10/05																																																												
IJ11010105	AWARD: Contract for SAB Spectr. Dipole	1	05/11/05	05/11/05																																																												
IJ11010110	Vendor SAB Spectr. Dipole Production (build to p	125	05/12/05	11/07/05																																																												
IJ11010190	AVAIL: SAB Spectr. Dipole Support Assembly Ready	0		05/24/05																																																												
IJ11010115	RCV: SAB Spectr. Dipole from Vendor	0		11/07/05																																																												
IJ11010120	Fab & Assemble SAB Spectr. Dipole Assembly	56	11/08/05	01/31/06																																																												
IJ11010130	Perform Lab Tests on SAB Spectr. Dipole Assembly	10	02/01/06	02/14/06																																																												
IJ11010135	AVAIL: SAB Spectr. Dipole Assembly Ready for Ins	0		02/14/06																																																												
MS3_IJ040	SAB Spectr. Dipole Assembly Ready for Install	0		06/01/06*																																																												

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.02.11.02 SAB Quadrupoles (3)</b>																																																																
IJ11020000	Define SAB Quads Requirements(3ea)	2	02/02/04A	02/03/04A																																																												
IJ1102	SAB QUADS (3ea) SUMMARY	394	02/02/04A	08/23/05																																																												
IJ11020004	COMP: SAB Quads Requirements(3ea)	0		02/03/04A																																																												
IJ11020014	Design SAB Quads Electrical Connections(3ea)	5	02/04/04A	02/10/04A																																																												
IJ11020018	Design SAB Quads Cooling Manifold(3ea)	5	02/04/04A	02/10/04A																																																												
IJ11020010	Design SAB Quads Coils(3ea)	10	02/04/04A	02/18/04A																																																												
IJ11020006	Design SAB Quads Core(3ea)	17	02/04/04A	02/27/04A																																																												
IJ11020022	Design SAB Quads Assembly(3ea)	17	02/04/04A	02/27/04A																																																												
IJ11020026	COMP: SAB Quads Design(3ea)	0		02/27/04A																																																												
IJ11020040	Define SAB Quads Support Requirements(3ea)	2	01/21/05*	01/24/05																																																												
IJ11020028	Procure SAB Quads Material(3ea)	60	01/21/05*	04/15/05																																																												
IJ11020044	COMP: SAB Quads Supt Requirements Def (3ea)	0		01/24/05																																																												
IJ11020046	Design SAB Quads Supports(3ea)	10	01/25/05	02/07/05																																																												
IJ11020050	COMP: SAB Quads Support Design(3ea)	0		02/07/05																																																												
IJ11020052	Procure SAB Quads Support Materials(3ea)	30	02/08/05	03/22/05																																																												
IJ11020054	RCV: SAB Quads Support Materials(3ea)	0		03/22/05																																																												
IJ11020056	Fab & Assemble SAB Quads Support Assy(3ea)	45	03/23/05	05/24/05																																																												
IJ11020030	RCV: SAB Quads Material(3ea)	0		04/15/05																																																												
IJ11020032	Fab & Assemble SAB Quads Assy(3ea)	56	04/18/05	07/06/05																																																												
IJ11020060	Perform Quadrupole Mag Meas & Fiducialization	63	05/25/05	08/23/05																																																												
IJ11020036	Perform Lab Tests on SAB Quads Assy(3ea)	10	07/07/05	07/20/05																																																												
IJ11020038	AVAIL:SAB Quads Assy Ready for Installation(3ea)	0		07/20/05																																																												
IJ11020062	AVAIL: SAB Quads Support Assy Ready for Ins(3ea)	0		08/23/05																																																												
<b>1.02.11.03 SAB Current Monitor (CM5)</b>																																																																
IJ11030000	Define Current Monitor (CM5) Engr Requirements	5	01/02/04A	01/09/04A																																																												
IJ11030005	Define Current Monitor (CM5) Phys Requirements	5	01/02/04A	01/09/04A																																																												

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.02.11.03 SAB Current Monitor (CM5)</b>					<b>SAB CURRENT MONITOR SUMMARY (1ea) CM5</b>																																																											
IJ1103	SAB CURRENT MONITOR SUMMARY (1ea) CM5	355	01/02/04A	05/31/05	<b>SAB CURRENT MONITOR SUMMARY (1ea) CM5</b>																																																											
IJ11030010	COMP: Current Monitor (CM5) Requirements	0		01/09/04A																																																												
IJ11030015	Physics Design Current Monitor (CM5)	10	01/12/04A	01/23/04A																																																												
IJ11030020	Design Current Monitor (CM5)	10	01/12/04A	01/23/04A																																																												
IJ11030025	Engineer Current Monitor (CM5)	10	01/12/04A	01/23/04A																																																												
IJ11030030	COMP: Current Monitor (CM5) Design	0		01/23/04A																																																												
IJ11030065	Define Current Monitor (CM5) Support Requirement	5	01/26/04A	01/30/04A																																																												
IJ11030075	COMP: Current Monitor (CM5) Supt Reqmts Definiti	0		01/30/04A																																																												
IJ11030080	Design Current Monitor (CM5) Supports	3	10/04/04	10/06/04	<b>Design Current Monitor (CM5) Supports</b>																																																											
IJ11030035	Procure Current Monitor (CM5) (build to print)	90	10/04/04	02/14/05	<b>Procure Current Monitor (CM5) (build to print)</b>																																																											
IJ11030090	COMP: Current Monitor (CM5) Support Design	0		10/06/04	<b>COMP: Current Monitor (CM5) Support Design</b>																																																											
IJ11030095	Procure Current Monitor (CM5) Support Materials	30	10/07/04	11/17/04	<b>Procure Current Monitor (CM5) Support Materials</b>																																																											
IJ11030100	RCV: Current Monitor (CM5) Support Materials	0		11/17/04	<b>RCV: Current Monitor (CM5) Support Materials</b>																																																											
IJ11030105	Fab & Assemble Current Monitor (CM5) Support Ass	10	11/18/04	12/03/04	<b>Fab &amp; Assemble Current Monitor (CM5) Support Ass</b>																																																											
IJ11030110	AVAIL: Current Monitor (CM5) Supt Assy Ready for	0		12/03/04	<b>AVAIL: Current Monitor (CM5) Supt Assy Ready for</b>																																																											
IJ11030040	RCV: Current Monitor (CM5)	0		02/14/05	<b>RCV: Current Monitor (CM5)</b>																																																											
IJ11030045	Assemble Current Monitor (CM5) Assembly	2	02/15/05	02/16/05	<b>Assemble Current Monitor (CM5) Assembly</b>																																																											
IJ11030050	Vacuum Process Current Monitor	42	02/17/05	04/18/05	<b>Vacuum Process Current Monitor</b>																																																											
IJ11030055	Perform Lab Tests on Current Monitor (CM5) Assem	30	04/19/05	05/31/05	<b>Perform Lab Tests on Current Monitor (CM5) Assem</b>																																																											
IJ11030060	AVAIL: Current Monitor (CM5) Assy Ready for Inst	0		05/31/05	<b>AVAIL: Current Monitor (CM5) Assy Ready for Inst</b>																																																											
<b>1.02.11.04 SAB BPM (4ea)</b>																																																																
IJ11040000	Define SAB BPM Physics Requirements(4ea)	21	07/01/04*	07/30/04	<b>Define SAB BPM Physics Requirements(4ea)</b>																																																											
IJ11040005	Define SAB BPM Engr Requirements(4ea)	21	07/01/04*	07/30/04	<b>Define SAB BPM Engr Requirements(4ea)</b>																																																											
IJ1104	SAB BPM SUMMARY (4ea)	331	07/01/04	10/24/05	<b>SAB BPM SUMMARY (4ea)</b>																																																											
IJ11040010	COMP: SAB BPM Requirements(4ea)	0		07/30/04	<b>COMP: SAB BPM Requirements(4ea)</b>																																																											
IJ11040015	Engineer SAB BPM(4ea)	20	08/02/04*	08/27/04	<b>Engineer SAB BPM(4ea)</b>																																																											

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04				FY05				FY06				FY07				FY08			
<b>1.02.11.04 SAB BPM (4ea)</b>																								
IJ11040020	Design SAB BPM(4ea)	20	02/22/05	03/21/05																				
IJ11040025	COMP: SAB BPM Eng/Design(4ea)	0		03/21/05																				
IJ11040070	Define SAB BPM Support Requirements(4ea)	2	03/22/05	03/23/05																				
IJ11040030	Procure SAB BPM Material (build to print)(4ea)	60	03/22/05	06/14/05																				
IJ11040080	COMP: SAB BPM Supt Reqmts Definition(4ea)	0		03/23/05																				
IJ11040085	Design SAB BPM Supports(4ea)	10	03/24/05	04/06/05																				
IJ11040095	COMP: SAB BPM Support Design(4ea)	0		04/06/05																				
IJ11040100	Procure SAB BPM Supt Mtrl (build to print)(4ea)	20	04/07/05	05/04/05																				
IJ11040105	RCV: SAB BPM Support Materials(4ea)	0		05/04/05																				
IJ11040110	Fab & Assemble SAB BPM Support Assy(4ea)	10	05/05/05	05/18/05																				
IJ11040115	AVAIL: SAB BPM Supt Assy Ready for Install(4ea)	0		05/18/05																				
IJ11040035	RCV: SAB BPM Material(4ea)	0		06/14/05																				
IJ11040040	Fab & Assemble SAB BPM Assembly(4ea)	30	06/15/05	07/27/05																				
IJ11040050	Perform Lab Tests on SAB BPM Assembly(4ea)	10	07/28/05	08/10/05																				
IJ11040055	Perform Lab Tests on SAB BPM Calibration(4ea)	10	08/11/05	08/24/05																				
IJ11040060	Vacuum Process BPM(4ea)	42	08/25/05	10/24/05																				
IJ11040065	AVAIL: SAB BPM Assy Ready for Install(4ea)	0		10/24/05																				
<b>1.02.11.05 SAB YAG</b>																								
IJ11050100	Define SAB YAG Requirements	5	02/02/04A	02/06/04A																				
IJ1105	SAB YAG SUMMARY	412	02/02/04A	09/19/05																				
IJ11050105	COMP: SAB YAG Requirements	0		02/06/04A																				
IJ11050170	Define SAB YAG Support Requirements	22	08/02/04*	08/31/04																				
IJ11050175	COMP: SAB YAG Support Rqmts Defin	0		08/31/04																				
IJ11050110	Design SAB YAG	100	10/04/04*	03/01/05																				
IJ11050115	COMP: SAB YAG Design	0		03/01/05																				
IJ11050120	Prep Bid Pak - SAB YAG	5	03/02/05	03/08/05																				

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.02.11.05 SAB YAG</b>																																																																
IJ11050180	Design SAB YAG Supports	20	03/02/05	03/29/05																																																												
IJ11050125	RELEASE RFP: SAB YAG	0		03/08/05																																																												
IJ11050130	Vendor Prep Proposals - SAB YAG	10	03/09/05	03/22/05																																																												
IJ11050135	RCV: Proposals - SAB YAG	0		03/22/05																																																												
IJ11050140	Evaluate Proposals -SAB YAG	5	03/23/05	03/29/05																																																												
IJ11050185	COMP: SAB YAG Supports Design	0		03/29/05																																																												
IJ11050145	AWARD: Contract for SAB YAG	1	03/30/05	03/30/05																																																												
IJ11050190	Prep Bid Pak - SAB YAG Supports	5	03/30/05	04/05/05																																																												
IJ11050150	Vendor Fab SAB YAG	30	03/31/05	05/11/05																																																												
IJ11050195	RELEASE RFP: SAB YAG Supports	0		04/05/05																																																												
IJ11050200	Vendor Prep Proposals - SAB YAG Supports	10	04/06/05	04/19/05																																																												
IJ11050205	RCV: Proposals - SAB YAG Supports	0		04/19/05																																																												
IJ11050210	Evaluate Proposals -SAB YAG Supports	5	04/20/05	04/26/05																																																												
IJ11050215	AWARD: Contract for SAB YAG Supports	1	04/27/05	04/27/05																																																												
IJ11050220	Vendor Fab SAB YAG Supports	100	04/28/05	09/19/05																																																												
IJ11050155	RCV: SAB YAG	0		05/11/05																																																												
IJ11050160	Perform Lab Tests on SAB YAG Assembly	30	05/12/05	06/23/05																																																												
IJ11050165	AVAIL: SAB YAG Assy Ready to Install	0		06/23/05																																																												
IJ11050225	RCV: SAB YAG Supports	0		09/19/05																																																												
IJ11050270	AVAIL: SAB OTR/YAG Supt Assy Ready for Instl	0		09/19/05																																																												
<b>1.02.11.06 SAB Vacuum Chamber and Components</b>																																																																
IJ11060000	Develop Vacuum Components Engr & Design	84	05/02/05	08/29/05																																																												
IJ1106	SAB VAC CHAMBER & COMPONENTS SUMMARY	303	05/02/05	07/13/06																																																												
IJ11060005	COMP: Vacuum Components Engineering & Design	0		08/29/05																																																												
IJ11060015	Prep Bid Pak - chamber	10	08/30/05	09/13/05																																																												
IJ11060060	Develop Vac Components Supports Engr & Design	42	08/30/05	10/27/05																																																												

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.02.11.06 SAB Vacuum Chamber and Components</b>																																																																
IJ11060020	RELEASE: RFP - SAB Vac Chamber	0		09/13/05																																																												
IJ11060025	Vendors Prep Proposals - SAB Vac Chamber	10	09/14/05	09/27/05																																																												
IJ11060030	RCV: Vendor Proposals-SAB Vac Chamber	0		09/27/05																																																												
IJ11060035	Evaluate Vendor Proposals-SAB Vac Chamber	10	09/28/05	10/11/05																																																												
IJ11060040	AWARD: Contract for chamber	1	10/12/05	10/12/05																																																												
IJ11060045	Vendor chamber Production (build to print)	125	10/13/05	04/13/06																																																												
IJ11060065	COMP: Vac Components Supports Engr & Design	0		10/27/05																																																												
IJ11060070	Procure Support Structure Materials	21	10/28/05	11/29/05																																																												
IJ11060075	Fab Vacuum Components Support Structure	63	11/30/05	03/02/06																																																												
IJ11060080	Integrate Vacuum Components onto Supports	21	03/03/06	03/31/06																																																												
IJ11060085	Conduct Vacuum Components Testing	42	04/03/06	05/31/06																																																												
IJ11060050	RCV: chamber from Vendor	0		04/13/06																																																												
IJ11060055	Vacuum Process Vacuum Components	63	04/14/06	07/13/06																																																												
IJ11060090	AVAIL: Vacuum Comp. & Supports Ready for Insta	0		07/13/06																																																												
<b>1.02.11.07 SAB Beam Dump and Shielding</b>																																																																
IJ11070000	Define Physics Specs	21	10/04/04*	11/01/04																																																												
IJ1107	SAB BEAM DUMP & SHIELDING SUMMARY	417	10/04/04	06/01/06																																																												
IJ11070005	Define SAB Beam Dump & Shielding Specs	21	11/02/04	12/02/04																																																												
IJ11070010	Develop SAB Beam Dump & Shielding Physics Dsn	42	12/03/04	02/04/05																																																												
IJ11070015	Develop SAB Beam Dump & Shielding Design	63	02/07/05	05/05/05																																																												
IJ11070020	COMP: SAB Beam Dump & Shielding Design	0		05/05/05																																																												
IJ11070016	Prep Bid Pak - Beam Dump & Shielding	10	05/06/05	05/19/05																																																												
IJ11070017	RELEASE: RFP - Beam Dump & Shielding	0		05/19/05																																																												
IJ11070018	Vendors Prep Prop- Beam Dump & Shielding	10	05/20/05	06/03/05																																																												
IJ11070019	RCV: Vendor Prop- Beam Dump & Shielding	0		06/03/05																																																												
IJ11070021	Eval Vendor Prop- Beam Dump & Shielding	5	06/06/05	06/10/05																																																												

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.02.11.07 SAB Beam Dump and Shielding</b>																																																																
IJ11070022	AWARD: Beam Dump & Shielding	1	06/13/05	06/13/05																																																												
IJ11070025	Fab/Assy Beam Dump & Shielding, (build to print)	63	06/14/05	09/12/05																																																												
IJ11070030	AVAIL: SAB Beam Dump/Shielding Ready for Install	0		09/12/05																																																												
MS3_IJ045	SAB Beam Dump/Shielding Ready for Install	0		06/01/06*																																																												
<b>1.02.11.08 SAB Supports</b>																																																																
IJ11080000	Develop SAB Supports Engineering & Design	84	05/06/05	09/02/05																																																												
IJ1108	SAB SUPPORTS SUMMARY	147	05/06/05	12/05/05																																																												
IJ11080005	COMP: SAB Supports Engineering & Design	0		09/02/05																																																												
IJ11080010	Procure SAB Supports	63	09/06/05	12/05/05																																																												
IJ11080012	Fab SAB Supports	63	09/06/05	12/05/05																																																												
IJ11080015	AVAIL: SAB Support Structure Ready for Install	0		12/05/05																																																												
<b>1.02.11.09 SAB Steering Coils (2)</b>																																																																
IJ11090000	Define Steering Coils, (2ea) (SAB) Requirements	21	07/01/04*	07/30/04																																																												
IJ1109	SAB STEERING COILS, (2ea) (SAB)	363	07/01/04	12/09/05																																																												
IJ11090005	COMP: Steering Coils, (2ea) (SAB) Requirements	0		07/30/04																																																												
IJ11090010	Design Coils (2ea)(SAB)	10	08/19/05	09/01/05																																																												
IJ11090020	Design Electrical Connections (2ea)(SAB)	3	09/02/05	09/07/05																																																												
IJ11090030	Design Assembly (2ea) (SAB)	5	09/08/05	09/14/05																																																												
IJ11090040	COMP: Steering Coils, (2ea) (SAB) Design	0		09/14/05																																																												
IJ11090075	Define Steering Coils, (2ea) (SAB) Supt Reqmts	5	09/15/05	09/21/05																																																												
IJ11090045	Procure Steering Coils, (2ea) (SAB) Materials	45	09/15/05	11/16/05																																																												
IJ11090085	COMP: Steering Coils,(2ea)(SAB) Supt Reqmts	0		09/21/05																																																												
IJ11090090	Design Steering Coils,(2ea) (SAB) Supports	10	09/22/05	10/05/05																																																												
IJ11090100	COMP: Steering Coils, (2ea) (SAB) Support Design	0		10/05/05																																																												
IJ11090105	Procure Steering Coils,(2ea) (SAB) Support Mtrl	30	10/06/05	11/16/05																																																												
IJ11090050	RCV: Steering Coils, (2ea) (SAB) Materials	0		11/16/05																																																												

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.02.11.09 SAB Steering Coils (2)</b>																																																																
IJ11090110	RCV: Steering Coils,(2ea) (SAB) Support Mtrls	0		11/16/05																																																	◆ RCV: Steering Coils,(2ea) (SAB) Support Mtrls											
IJ11090055	Fab & Assemble Steering Coils, (2ea) (SAB) Assy	10	11/17/05	12/02/05																																																	■ Fab & Assemble Steering Coils, (2ea) (SAB) Assy											
IJ11090115	Fab & Assemble Steering Coils,(2ea) (SAB) Supts	10	11/17/05	12/02/05																																																	■ Fab & Assemble Steering Coils,(2ea) (SAB) Supts											
IJ11090120	AVAIL: SAB Steering Coil Supts(2ea)Rdy for Instl	0		12/02/05																																																	◆ AVAIL: SAB Steering Coil Supts(2ea)Rdy for Instl											
IJ11090065	Perform Magnetic Measmts Steering Coils, (2ea)	5	12/05/05	12/09/05																																																	■ Perform Magnetic Measmts Steering Coils, (2ea)											
IJ11090070	AVAIL:Steering Coils,(2ea) (SAB)Assy Rdy for Ins	0		12/09/05																																																	◆ AVAIL:Steering Coils,(2ea) (SAB)Assy Rdy for Ins											
<b>1.02.12 Injector RF Waveguide Subsystem</b>																																																																
IJ12	INJECTOR RF WAVEGUIDE SUMMARY	381	05/01/04A	11/03/05	■												■												■												■												INJECTOR RF WAVEGUIDE SUMMARY											
<b>1.02.12.01 RF Waveguides</b>																																																																
IJ12010010	Develop RF Waveguide System Engineering & Dsn	105*	05/01/04A	09/29/04	■												■												■												■												Develop RF Waveguide System Engineering & Dsn											
IJ1201	INJECTOR RF WAVEGUIDE SUBSYSTEM SUMMARY	381	05/01/04A	11/03/05	■												■												■												■												INJECTOR RF WAVEGUIDE SUBSYSTEM SUMMARY											
IJ12010000	Define Physics Specs	21	07/01/04*	07/30/04	■												■												■												■												Define Physics Specs											
IJ12010005	Define RF Waveguide System Specs	21	08/02/04	08/30/04	■												■												■												■												Define RF Waveguide System Specs											
IJ12010015	Develop Vacuum Components Engr & Design	106	08/31/04	02/03/05	■												■												■												■												Develop Vacuum Components Engr & Design											
IJ12010102	Prep Bid Pak - Waveguide Supports Components	10	09/30/04	10/13/04	■												■												■												■												Prep Bid Pak - Waveguide Supports Components											
IJ12010103	RELEASE: RFP - Waveguide Supports Components	0		10/13/04																																																	◆ RELEASE: RFP - Waveguide Supports Components											
IJ12010104	Vendors Prep Proposals -Waveguide Supports Comp	10	10/14/04	10/27/04	■												■												■												■												Vendors Prep Proposals -Waveguide Supports Comp											
IJ12010106	RCV: Vendor Prop Waveguide Supt Components	0		10/27/04																																																	◆ RCV: Vendor Prop Waveguide Supt Components											
IJ12010107	Evaluate Vendor Prop Waveguide Supt Components	10	10/28/04	11/10/04	■												■												■												■												Evaluate Vendor Prop Waveguide Supt Components											
IJ12010108	AWARD: Contract for Waveguide Supt Components	1	11/11/04	11/11/04	■												■												■												■												AWARD: Contract for Waveguide Supt Components											
IJ12010109	Vendor Waveguide Supt Components Production	105	11/12/04	04/18/05	■												■												■												■												Vendor Waveguide Supt Components Production											
IJ12010020	COMP: Vacuum Components Design	0		02/03/05																																																	◆ COMP: Vacuum Components Design											
IJ12010100	Prep Bid Pak - Waveguide Components	10	02/04/05	02/17/05	■												■												■												■												Prep Bid Pak - Waveguide Components											
IJ12010150	Prep Bid Pak - Vacuum Components	10	02/04/05	02/17/05	■												■												■												■												Prep Bid Pak - Vacuum Components											
IJ12010105	RELEASE: RFP - Waveguide Components	0		02/17/05																																																	◆ RELEASE: RFP - Waveguide Components											
IJ12010155	RELEASE: RFP - Vacuum Components	0		02/17/05																																																	◆ RELEASE: RFP - Vacuum Components											



Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	Fiscal Year Budget Breakdown																																	
					FY04	FY05	FY06	FY07	FY08																													
<b>1.02.12.01 RF Waveguides</b>																																						
IJ12010110	Vendors Prep Proposals -Waveguide Components	10	02/18/05	03/04/05																																		
IJ12010160	Vendors Prep Proposals -Vacuum Compo	10	02/18/05	03/04/05																																		
IJ12010115	RCV: Vendor Proposals Waveguide Components	0		03/04/05																																		
IJ12010165	RCV: Vendor Proposals Vacuum Compo	0		03/04/05																																		
IJ12010120	Evaluate Vendor Proposals Waveguide Components	10	03/07/05	03/18/05																																		
IJ12010170	Evaluate Vendor Proposals Vacuum Components	10	03/07/05	03/18/05																																		
IJ12010125	AWARD: Contract for Waveguide Components	1	03/21/05	03/21/05																																		
IJ12010175	AWARD: Contract for Vacuum Components	1	03/21/05	03/21/05																																		
IJ12010130	Vendor Vertical Drop Waveguide Comp Production	32	03/22/05	05/04/05																																		
IJ12010180	Vertical Drop Vacuum Components Production	32	03/22/05	05/04/05																																		
IJ12010111	RCV: Waveguide Supt Components from Vendor	0		04/18/05																																		
IJ12010135	RCV: Vertical Drop Waveguide Components	0		05/04/05																																		
IJ12010185	RCV: Vertical Drop Vacuum Components	0		05/04/05																																		
IJ12010200	Vertical Drop-Vac Process Waveguide & Vac Comp	21	05/05/05	06/03/05																																		
IJ12010131	Vendor Klystron Housing Waveguide Comp Prodctn	32	05/05/05	06/20/05																																		
IJ12010181	Klystron Housing Vacuum Components Production	32	05/05/05	06/20/05																																		
IJ12010210	Conduct RF WG System Comp Testing-Vertical Drop	5	06/06/05	06/10/05																																		
IJ12010220	Integ RF WG System onto Supports-Vertical Drop	6	06/13/05	06/20/05																																		
IJ12010136	RCV: Klystron Housing Waveguide Components	0		06/20/05																																		
IJ12010186	RCV: Klystron Housing Vacuum Components	0		06/20/05																																		
IJ12010230	AVAIL: RF WG Subsystem Rdy for Ins-Vertical Drop	0		06/20/05																																		
IJ12010201	Klys Housing-Vac Process Waveguide & Vac Comp	21	06/21/05	07/20/05																																		
IJ12010132	Vendor Injectr Housing Waveguide Comp Production	32	06/21/05	08/04/05																																		
IJ12010182	Injector Housing Vacuum Components Production	32	06/21/05	08/04/05																																		
IJ12010211	Conduct RF WG System Comp Testing-Klys Housing	5	07/21/05	07/27/05																																		
IJ12010221	Integ RF WG System onto Supports-Klys Housing	6	07/28/05	08/04/05																																		

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04		FY05			FY06			FY07			FY08		
<b>1.02.12.01 RF Waveguides</b>																		
IJ12010137	RCV: Injector Housing Waveguide Components	0		08/04/05														◆ RCV: Injector Housing Waveguide Components
IJ12010187	RCV: Injector Housing Vacuum Components	0		08/04/05														◆ RCV: Injector Housing Vacuum Components
IJ12010231	AVAIL: RF WG Subsystem Rdy for Ins-Klys Housing	0		08/04/05														◆ AVAIL: RF WG Subsystem Rdy for Ins-Klys Housing
IJ12010202	Inject Housing-Vac Process Waveguide & Vac Comp	21	08/05/05	09/02/05														■ Inject Housing-Vac Process Waveguide & Vac Comp
IJ12010133	Vendor Transverse Kicker Waveguide Comp Prodctn	32	08/05/05	09/20/05														■ Vendor Transverse Kicker Waveguide Comp Prodctn
IJ12010183	Transverse Kicker Vacuum Components Production	32	08/05/05	09/20/05														■ Transverse Kicker Vacuum Components Production
IJ12010212	Conduct RF WG System Comp Testing-Inject Housing	5	09/06/05	09/12/05														■ Conduct RF WG System Comp Testing-Inject Housing
IJ12010222	Integ RF WG System onto Supports-Inject Housing	6	09/13/05	09/20/05														■ Integ RF WG System onto Supports-Inject Housing
IJ12010138	RCV: Transverse Kicker Waveguide Components	0		09/20/05														◆ RCV: Transverse Kicker Waveguide Components
IJ12010188	RCV: Transverse Kicker Vacuum Components	0		09/20/05														◆ RCV: Transverse Kicker Vacuum Components
IJ12010232	AVAIL:RF WG Subsystem Rdy for Ins-Inject Housing	0		09/20/05														◆ AVAIL:RF WG Subsystem Rdy for Ins-Inject Housing
IJ12010203	Transverse Kick-Vac Process Waveguide & Vac Comp	21	09/21/05	10/19/05														■ Transverse Kick-Vac Process Waveguide & Vac Comp
IJ12010213	Cond RF WG System Comp Testing-Transverse Kickr	5	10/20/05	10/26/05														■ Cond RF WG System Comp Testing-Transverse Kickr
IJ12010223	Integ RF WG System onto Supports-Transverse Kick	6	10/27/05	11/03/05														■ Integ RF WG System onto Supports-Transverse Kick
IJ12010233	AVAIL: RF WG Subsystem Rdy for Ins-Xverse Kickr	0		11/03/05														◆ AVAIL: RF WG Subsystem Rdy for Ins-Xverse Kickr
<b>1.02.13 Injector RF Subsystem</b>																		
IJ13	INJECTOR RF SUMMARY	954	07/01/03A	04/23/07														■ INJECTOR RF SUMMARY
<b>1.02.13.01 S-Band Low Level System</b>																		
IJ1301	S-BAND LOW LEVEL SYSTEM SUMMARY	954	07/01/03A	04/23/07														■ S-BAND LOW LEVEL SYST
<b>1.02.13.01.01 Controls Interface &amp; Timing</b>																		
IJ13010005	Procure Master Oscillator (3)	120	07/01/03A	01/31/04A														
IJ130101	S-BAND LL CONTROLS TIMING SYSTEM	705	07/01/03A	04/26/06														■ S-BAND LL CONTROLS TIMING SYSTEM
IJ13010010	Master Oscillator Testing	20	02/02/04A	02/27/04A														
IJ13010012	Develop S-Band LL Controls Timing Design-Part I	21	02/02/04A	02/27/04A														
IJ13010015	Develop S-Band LL Controls Timing Design	63	06/01/04A	08/27/04														■ Develop S-Band LL Controls Timing Design
IJ13010020	Develop Documentation	250	06/01/04	05/27/05														■ Develop Documentation
IJ13010025	Create Layouts	250	06/01/04	05/27/05														■ Create Layouts

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04				FY05				FY06				FY07				FY08				
<b>1.02.13.01.01 Controls Interface &amp; Timing</b>																									
IJ13010030	Prepare for PDR	2	10/04/04	10/05/04																					
IJ13010035	Conduct PDR	1	10/06/04	10/06/04																					
IJ13010104	Countdown Chassis	25	10/06/04	11/09/04																					
IJ13010108	Design & Prototype Master Amplifier	30	10/06/04	11/16/04																					
IJ13010110	Design Fiducial Chassis	30	10/06/04	11/16/04																					
IJ13010106	MTG Modifications	120	10/06/04	03/31/05																					
IJ13010120	Generate Procurement Plan	1	04/01/05	04/01/05																					
IJ13010122	Create Test Plan	5	04/04/05	04/08/05																					
IJ13010124	Establish Subordinate W.O.'s	1	04/11/05	04/11/05																					
IJ13010126	Prepare for FDR	2	04/12/05	04/13/05																					
IJ13010128	Conduct FDR	1	04/14/05	04/14/05																					
IJ13010130	COMP: S-Band LL Design - Release for Fab	0		04/14/05																					
IJ13010136	Countdown Chassis	20	04/15/05	05/12/05																					
IJ13010140	MTG Modifications Fab	20	04/15/05	05/12/05																					
IJ13010146	Fab Master Amplifier	60	04/15/05	07/11/05																					
IJ13010144	MTG Modifications Test	10	05/13/05	05/26/05																					
IJ13010152	System Tests	100	07/12/05	12/01/05																					
IJ13010154	AVAIL: RF Cntrls I/F & Timing Ready for Install	0		12/01/05																					
IJ13010156	Install Modules	100	12/02/05	04/26/06																					
IJ13010164	AVAIL: RF Cntrls I/F & Timing Ready for Comm	0		04/26/06																					
<b>1.02.13.01.02 LLRF Phase Reference System</b>																									
IJ13010203	System Design-part I	150	02/02/04A	02/27/04A																					
IJ13010218	Design & Prototype LCLS Oscillator-Part I	20	02/02/04A	02/27/04A																					
IJ130102	LLRF PHASE REFERENCE SYSTEM SUMMARY	563	02/02/04A	04/26/06																					
IJ13010200	System Design	130	06/01/04	12/03/04																					
IJ13010219	Design & Prototype LCLS Oscillator	180	10/04/04*	06/22/05																					

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.02.13.01.02 LLRF Phase Reference System</b>																																																																
IJ13010215	Prepare for PDR	2	12/06/04	12/07/04																																																												
IJ13010205	Develop Documentation	250	12/06/04	12/02/05													█ Develop Documentation																																															
IJ13010217	Conduct PDR	1	12/08/04	12/08/04																																																												
IJ13010225	Design & Prototype Multiplier Chassis	10	12/09/04	12/22/04													█ Design & Prototype Multiplier Chassis																																															
IJ13010220	Design RF Distribution L0, L1	12	12/09/04	12/28/04													█ Design RF Distribution L0, L1																																															
IJ13010222	Design Distribution Amplifier Chassis	32	12/09/04	01/27/05													█ Design Distribution Amplifier Chassis																																															
IJ13010223	Design & Prototype Laser Timing Stability	100	12/09/04	05/04/05													█ Design & Prototype Laser Timing Stability																																															
IJ13010210	Create Layouts	250	01/03/05*	12/28/05													█ Create Layouts																																															
IJ13010228	Generate Procurement Plan	1	06/23/05	06/23/05																																																												
IJ13010230	Create Test Plan	5	06/24/05	06/30/05																																																												
IJ13010232	Establish Subordinate W.O.'s	1	07/01/05	07/01/05																																																												
IJ13010234	Prepare for FDR	2	07/05/05	07/06/05																																																												
IJ13010236	Conduct FDR	1	07/07/05	07/07/05																																																												
IJ13010238	COMP: Design - Release for Fab	0		07/07/05																																																												
IJ13010241	Prep Bid Pak - LCLS Oscillator (3)	10	07/08/05	07/21/05													█ Prep Bid Pak - LCLS Oscillator (3)																																															
IJ13010248	Fab Distribution Amplifier Chassis	60	07/08/05	09/30/05													█ Fab Distribution Amplifier Chassis																																															
IJ13010256	Fab Laser Phase Timing Stability	60	07/08/05	09/30/05													█ Fab Laser Phase Timing Stability																																															
IJ13010260	S-20 MDL Modifications	60	07/08/05	09/30/05													█ S-20 MDL Modifications																																															
IJ13010264	Fab Multiplier Chassis	60	07/08/05	09/30/05													█ Fab Multiplier Chassis																																															
IJ13010243	RELEASE: RFP - LCLS Oscillator (3)	0		07/21/05																																																												
IJ13010244	Vendors Prep Prop- LCLS Oscillator (3)	10	07/22/05	08/04/05													█ Vendors Prep Prop- LCLS Oscillator (3)																																															
IJ13010246	RCV: Vendor Prop- LCLS Oscillator (3)	0		08/04/05																																																												
IJ13010247	Eval Vendor Prop- LCLS Oscillator (3)	5	08/05/05	08/11/05																																																												
IJ13010249	AWARD: LCLS Oscillator (3)	1	08/12/05	08/12/05																																																												
IJ13010240	Vendor Fab LCLS Oscillator (3)	5	08/15/05	08/19/05													█ Vendor Fab LCLS Oscillator (3)																																															
IJ13010242	Fab LCLS Oscillator	60	08/22/05	11/14/05													█ Fab LCLS Oscillator																																															

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	Fiscal Year																		
					FY04	FY05	FY06	FY07	FY08														
<b>1.02.13.01.02 LLRF Phase Reference System</b>																							
IJ13010272	AVAIL: LLRF Phase Ref System Ready for Install	0		09/30/05																			
IJ13010274	Install Cable Guides	10	10/03/05	10/14/05																			
IJ13010276	Install Modules	20	10/03/05	10/28/05																			
IJ13010275	Install S-Band RF Cables (31)	25	11/15/05	12/21/05																			
IJ13010284	AVAIL: LLRF Phase Ref System Ready for Comm	0		04/26/06																			
<b>1.02.13.01.03 LLRF Monitor &amp; Control System</b>																							
IJ13010303	Define Control Interface-Part I	20	02/02/04A	02/27/04A																			
IJ13010313	Design Solid State Sub Booster-Part I	350	02/02/04A	02/27/04A																			
IJ130103	LLRF MONITOR & CONTROL SYSTEM SUMMARY	780	02/02/04A	03/08/07																			
IJ13010314	Design Solid State Sub Booster	175	06/01/04A	02/10/05																			
IJ13010300	Define Control Interface	140	10/04/04*	04/26/05																			
IJ13010387	REQD: Beneficial Occupancy of RF Hut	0		02/28/05																			
IJ13010307	Prepare for PDR	2	04/27/05	04/28/05																			
IJ13010302	Develop Documentation	250	04/27/05	04/24/06																			
IJ13010305	Create Layouts	250	04/27/05*	04/24/06																			
IJ13010308	Conduct PDR	1	04/29/05	04/29/05																			
IJ13010310	Design & Prototype S-Band Phase Measurement	75	05/02/05	08/16/05																			
IJ13010311	Design & Prototype DAC & SAM Breakout	100	05/02/05	09/21/05																			
IJ13010312	Design Modulator Refurbishment	100	05/02/05	09/21/05																			
IJ13010318	Design & Prototype Optical Interface	100	05/02/05	09/21/05																			
IJ13010330	Generate Procurement Plan	1	09/22/05	09/22/05																			
IJ13010332	Create Test Plan	5	09/23/05	09/29/05																			
IJ13010334	Establish Subordinate W.O.'s	1	09/30/05	09/30/05																			
IJ13010336	Prepare for FDR	2	10/03/05	10/04/05																			
IJ13010338	Conduct FDR	1	10/05/05	10/05/05																			
IJ13010340	COMP: Design - Release for Fab	0		10/05/05																			

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.02.13.01.03 LLRF Monitor &amp; Control System</b>																																																																
IJ13010339	Prep Bid Pak - Modulator Thyatron Parts	10	10/06/05	10/19/05																									■ Prep Bid Pak - Modulator Thyatron Parts																																			
IJ13010344	Procure SS Subbooster Amplitude Control	20	10/06/05	11/02/05																									■ Procure SS Subbooster Amplitude Control																																			
IJ13010348	Procure Monitor Scope SCP	20	10/06/05	11/02/05																									■ Procure Monitor Scope SCP																																			
IJ13010350	Procure Dual Power Meter SCP	20	10/06/05	11/02/05																									■ Procure Dual Power Meter SCP																																			
IJ13010352	Procure Bunch Length Monitor Electronics	20	10/06/05	11/02/05																									■ Procure Bunch Length Monitor Electronics																																			
IJ13010374	Modify IPA Chassis	60	10/06/05	01/03/06																									■ Modify IPA Chassis																																			
IJ13010341	RELEASE: RFP - Modulator Thyatron Parts	0		10/19/05																									◆ RELEASE: RFP - Modulator Thyatron Parts																																			
IJ13010343	Vendors Prep Prop- Modulator Thyatron Parts	10	10/20/05	11/02/05																									■ Vendors Prep Prop- Modulator Thyatron Parts																																			
IJ13010345	RCV: Vendor Prop- Modulator Thyatron Parts	0		11/02/05																									◆ RCV: Vendor Prop- Modulator Thyatron Parts																																			
IJ13010346	Eval Vendor Prop- Modulator Thyatron Parts	5	11/03/05	11/09/05																									■ Eval Vendor Prop- Modulator Thyatron Parts																																			
IJ13010347	AWARD: Modulator Thyatron Parts	1	11/10/05	11/10/05																									■ AWARD: Modulator Thyatron Parts																																			
IJ13010342	Vendor Fab Modulator Thyatron Parts	70	11/11/05	02/24/06																									■ Vendor Fab Modulator Thyatron Parts																																			
IJ13010390	Recable RF	40	01/04/06	03/02/06																									■ Recable RF																																			
IJ13010354	RCV: Procured Hardware/Equipment	0		02/24/06																									◆ RCV: Procured Hardware/Equipment																																			
IJ13010384	Monitor Scope SCP Interface	10	02/27/06	03/10/06																									■ Monitor Scope SCP Interface																																			
IJ13010382	Modulator Control Interface Cables	60	02/27/06	05/19/06																									■ Modulator Control Interface Cables																																			
IJ13010356	Fab S-Band Units (12)	100	02/27/06	07/18/06																									■ Fab S-Band Units (12)																																			
IJ13010360	Fab Dac Sam Breakout Units (6)	100	02/27/06	07/18/06																									■ Fab Dac Sam Breakout Units (6)																																			
IJ13010366	Refurbish Modulator	100	02/27/06	07/18/06																									■ Refurbish Modulator																																			
IJ13010370	Fab SS Subbooster Amplifier	100	02/27/06	07/18/06																									■ Fab SS Subbooster Amplifier																																			
IJ13010389	Install Cables	40	07/19/06	09/13/06																									■ Install Cables																																			
IJ13010372	Integration SS Subbooster Amplifier	60	07/19/06	10/11/06																									■ Integration SS Subbooster Amplifier																																			
IJ13010368	Klystron Change to Source Tube	100	07/19/06	12/08/06																									■ Klystron Change to Source Tube																																			
IJ13010388	AVAIL: LLRF Mon & Cntrl Ready for Installation	0		12/08/06																									◆ AVAIL: LLRF Mon & Cntrl Ready for Installation																																			
IJ13010391	Install Modules	20	12/11/06	01/09/07																									■ Install Modules																																			
IJ13010392	Install Mod Control Interace	40	01/10/07	03/08/07																									■ Install Mod Control Interace																																			

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.02.13.01.03 LLRF Monitor &amp; Control System</b>					AVAIL: LLRF Mon & Cntrl Ready for Commissioning																																																											
IJ13010394	AVAIL: LLRF Mon & Cntrl Ready for Commissioning	0		03/08/07	AVAIL: LLRF Mon & Cntrl Ready for Commissioning																																																											
<b>1.02.13.01.04 Beam Phase Monitor Cavity</b>																																																																
IJ13010403	Define Beamline Component-Part I	20	02/02/04A	02/27/04A																																																												
IJ130104	BEAM PHASE MONITOR CAVITY SUMMARY	770	02/02/04A	02/22/07	BEAM PHASE MONITOR CAVITY																																																											
IJ13010400	Define Beamline Component	230	10/04/04*	09/01/05	Define Beamline Component																																																											
IJ13010402	COMP: Beamline Component Definition	0		09/01/05	COMP: Beamline Component Definition																																																											
IJ13010412	Prepare for PDR	2	09/02/05	09/06/05	Prepare for PDR																																																											
IJ13010408	Develop Documentation	250	09/02/05	08/30/06	Develop Documentation																																																											
IJ13010410	Create Layouts	250	09/02/05*	08/30/06	Create Layouts																																																											
IJ13010414	Conduct PDR	1	09/07/05	09/07/05	Conduct PDR																																																											
IJ13010415	Beam Phase Length Detector	250	09/08/05	09/05/06	Beam Phase Length Detector																																																											
IJ13010416	Generate Procurement Plan	1	09/06/06	09/06/06	Generate Procurement Plan																																																											
IJ13010418	Create Test Plan	5	09/07/06	09/13/06	Create Test Plan																																																											
IJ13010420	Establish Subordinate W.O.'s	1	09/14/06	09/14/06	Establish Subordinate W.O.'s																																																											
IJ13010422	Prepare for FDR	2	09/15/06	09/18/06	Prepare for FDR																																																											
IJ13010424	Conduct FDR	1	09/19/06	09/19/06	Conduct FDR																																																											
IJ13010426	COMP: Design - Release for Fab	0		09/19/06	COMP: Design - Release for Fab																																																											
IJ13010430	Fab Beam Line Components	60	09/20/06	12/14/06	Fab Beam Line Components																																																											
IJ13010436	Cold Test Components	5	12/15/06	12/21/06	Cold Test Components																																																											
IJ13010440	AVAIL: Beam Phase Mon. Cavity Ready for Install	0		12/21/06	AVAIL: Beam Phase Mon. Cavity Ready for Install																																																											
IJ13010438	Cold Test Complete	0	12/22/06	12/21/06	Cold Test Complete																																																											
IJ13010442	Install Modules	11	12/22/06	01/09/07	Install Modules																																																											
IJ13010439	Bake Beamline Components	10	01/10/07	01/24/07	Bake Beamline Components																																																											
IJ13010448	Install Cables	10	01/25/07	02/07/07	Install Cables																																																											
IJ13010450	Install LCW	10	02/08/07	02/22/07	Install LCW																																																											
IJ13010452	AVAIL: Beam Phase Mon. Cavity Ready for Comm.	0		02/22/07	AVAIL: Beam Phase Mon. Cavity Ready for Comm.																																																											

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.02.13.01.05 RF System S/W Development / Docs</b>																																																																
IJ13010528	RF Feedback Measurements/Algorithm Development	220	10/04/04*	08/18/05	RF Feedback Measurements/Algorithm Development																																																											
IJ130105	RF SYSTEM S/W DEVELOPMENT/DOCUMENTATION SUMMARY	641	10/04/04	04/23/07	RF SYSTEM S/W DEVELOP																																																											
IJ13010502	Develop Specification	20	10/06/05	11/02/05	Develop Specification																																																											
IJ13010504	Specification Complete	0		11/02/05	Specification Complete																																																											
IJ13010510	Prepare for PDR	2	11/03/05	11/04/05	Prepare for PDR																																																											
IJ13010506	Create Layouts	250	11/03/05	10/31/06	Create Layouts																																																											
IJ13010512	Conduct PDR	1	11/07/05	11/07/05	Conduct PDR																																																											
IJ13010516	Create Test Plan	5	11/08/05	11/14/05	Create Test Plan																																																											
IJ13010522	Conduct FDR	1	11/15/05	11/15/05	Conduct FDR																																																											
IJ13010524	COMP: Design - Release for Fab	0		11/15/05	COMP: Design - Release for Fab																																																											
IJ13010538	AVAIL: RF System S/W & Docs Ready for Comm.	0		04/23/07	AVAIL: RF System S/W & Docs Ready for Comm																																																											
<b>1.02.14 Cathode Processing (CP) Station</b>																																																																
IJ14	CATHODE PROCESSING (CP) STATION SUMMARY	378	12/01/04	06/02/06	CATHODE PROCESSING (CP) STATION SU																																																											
<b>1.02.14.01 CP Cathode Assembly &amp; Supports</b>																																																																
IJ14010000	Define CP Cathode Assembly Requirements	2	04/01/05*	04/04/05	Define CP Cathode Assembly Requirements																																																											
IJ1401	CP CATHODE ASSEMBLY & SUPPORTS SUMMARY	113	04/01/05	09/09/05	CP CATHODE ASSEMBLY & SUPPORTS SUMMARY																																																											
IJ14010010	COMP: CP Cathode Assembly Requirements	0		04/04/05	COMP: CP Cathode Assembly Requirements																																																											
IJ14010020	Develop CP Cathode Assembly Design	10	04/05/05	04/18/05	Develop CP Cathode Assembly Design																																																											
IJ14010030	Develop CP Cathode Support Design	11	04/19/05	05/03/05	Develop CP Cathode Support Design																																																											
IJ14010040	COMP: CP Cathode Assembly Design	0		05/03/05	COMP: CP Cathode Assembly Design																																																											
IJ14010050	Procure CP Cathode Materials	60	05/04/05	07/28/05	Procure CP Cathode Materials																																																											
IJ14010060	Procure CP Cathode Support Materials	15	07/29/05	08/18/05	Procure CP Cathode Support Materials																																																											
IJ14010070	Fab & Assemble CP Cathode Assembly	10	08/19/05	09/01/05	Fab & Assemble CP Cathode Assembly																																																											
IJ14010080	Fab & Assemble CP Cathode Support Assembly	5	09/02/05	09/09/05	Fab & Assemble CP Cathode Support Assembly																																																											
IJ14010090	AVAIL: CP Cathode Assembly Ready to Install	0		09/09/05	AVAIL: CP Cathode Assembly Ready to Install																																																											
<b>1.02.14.02 CP Load Lock</b>																																																																
IJ14020000	Define Cathode Clamping Requirements	3	04/01/05*	04/05/05	Define Cathode Clamping Requirements																																																											



Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.02.14.02 CP Load Lock</b>																																																																
IJ1402	CP LOAD LOCK SUMMARY	210	04/01/05	01/31/06																																																												
IJ14020010	Define Cathode Transfer Requirements	5	04/06/05	04/12/05																																																												
IJ14020020	COMP: CP Load Lock Requirements	0		04/12/05																																																												
IJ14020030	Develop CP Load Lock Design	24	04/13/05	05/16/05																																																												
IJ14020040	COMP: CP Load Lock Design	0		05/16/05																																																												
IJ14020041	Prep Bid Pak - CP Load Lock Materials	10	05/17/05	05/31/05																																																												
IJ14020042	RELEASE: RFP - CP Load Lock Materials	0		05/31/05																																																												
IJ14020043	Vendors Prep Prop- CP Load Lock Materials	10	06/01/05	06/14/05																																																												
IJ14020044	RCV: Vendor Prop- CP Load Lock Materials	0		06/14/05																																																												
IJ14020045	Eval Vendor Prop- CP Load Lock Materials	5	06/15/05	06/21/05																																																												
IJ14020046	AWARD: CP Load Lock Materials	1	06/22/05	06/22/05																																																												
IJ14020050	Vendor Fab CP Load Lock Materials	60	06/23/05	09/16/05																																																												
IJ14020060	Fab & Assemble CP Load Lock	50	09/19/05	11/29/05																																																												
IJ14020070	AVAIL: CP Load Lock Ready for Install	0		11/29/05																																																												
MS3_IJ050	CP Load Lock Ready for Install	0		01/31/06*																																																												
<b>1.02.14.03 CP Load Lock Supports</b>																																																																
IJ14030000	Define Load Lock Supports Requirements	3	04/01/05*	04/05/05																																																												
IJ1403	CP LOAD LOCK SUPPORT SUMMARY	49	04/01/05	06/09/05																																																												
IJ14030010	COMP: CP Load Lock Support Requirements	0		04/05/05																																																												
IJ14030020	Develop CP Load Lock Support Design	11	04/06/05	04/20/05																																																												
IJ14030030	COMP: CP Load Lock Support Design	0		04/20/05																																																												
IJ14030040	Procure CP Load Lock Support Materials	15	04/21/05	05/11/05																																																												
IJ14030050	Fab & Assemble CP Load Lock Support	20	05/12/05	06/09/05																																																												
IJ14030060	AVAIL: CP Load Lock Supports Ready for Install	0		06/09/05																																																												
<b>1.02.14.04 CP Station</b>																																																																
IJ14040000	Define Cathode Processing Requirements	10	04/01/05*	04/14/05																																																												

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.02.14.04 CP Station</b>																																																																
IJ1404	CATHODE PROCESSING STATION SUMMARY	296	04/01/05	06/02/06	CATHODE PROCESSING STATION SUMMA																																																											
IJ14040010	Define Cathode Transfer Requirements	5	04/15/05	04/21/05	Define Cathode Transfer Requirements																																																											
IJ14040020	COMP: CP Station Requirements	0		04/21/05	COMP: CP Station Requirements																																																											
IJ14040030	Develop CP Station Chamber Design	90	04/22/05	08/29/05	Develop CP Station Chamber Design																																																											
IJ14040040	Develop CP Station Support Design	20	08/30/05	09/27/05	Develop CP Station Support Design																																																											
IJ14040050	COMP: CP Station Design	0		09/27/05	COMP: CP Station Design																																																											
IJ14040051	Prep Bid Pak - CP Station Chamber Materials	10	09/28/05	10/11/05	Prep Bid Pak - CP Station Chamber Materials																																																											
IJ14040052	RELEASE: RFP - CP Station Chamber Materials	0		10/11/05	RELEASE: RFP - CP Station Chamber Materials																																																											
IJ14040053	Vendors Prep Prop- CP Station Chamber Materials	10	10/12/05	10/25/05	Vendors Prep Prop- CP Station Chamber Materials																																																											
IJ14040054	RCV: Vendor Prop- CP Station Chamber Materials	0		10/25/05	RCV: Vendor Prop- CP Station Chamber Materials																																																											
IJ14040055	Eval Vendor Prop- CP Station Chamber Materials	5	10/26/05	11/01/05	Eval Vendor Prop- CP Station Chamber Materials																																																											
IJ14040056	AWARD: CP Station Chamber Materials	1	11/02/05	11/02/05	AWARD: CP Station Chamber Materials																																																											
IJ14040060	Vendor Fab CP Station Chamber Materials	60	11/03/05	02/01/06	Vendor Fab CP Station Chamber Materials																																																											
IJ14040070	Procure CP Station Support Materials	15	02/02/06	02/23/06	Procure CP Station Support Materials																																																											
IJ14040080	Fab & Assemble Chamber Assembly	50	02/24/06	05/04/06	Fab & Assemble Chamber Assembly																																																											
IJ14040090	Fab & Assemble Supports	20	05/05/06	06/02/06	Fab & Assemble Supports																																																											
IJ14040100	AVAIL: CP Station Ready for Install	0		06/02/06	AVAIL: CP Station Ready for Install																																																											
<b>1.02.14.05 Cathode Lab Infrastructure</b>																																																																
IJ14050000	Define CP Lab Infrastructure Requirements	2	12/01/04	12/02/04	Define CP Lab Infrastructure Requirements																																																											
IJ1405	CP LAB INFRASTRUCTURE SUMMARY	65	12/01/04	03/08/05	CP LAB INFRASTRUCTURE SUMMARY																																																											
IJ14050010	COMP: CP Lab Infrastructure Requirements	0		12/02/04	COMP: CP Lab Infrastructure Requirements																																																											
IJ14050020	Develop CP Lab Infrastructure Design	2	12/03/04	12/06/04	Develop CP Lab Infrastructure Design																																																											
IJ14050030	COMP: CP Lab Infrastructure Design	0		12/06/04	COMP: CP Lab Infrastructure Design																																																											
IJ14050040	Procure CP Lab Infrastructure Materials	60	12/07/04	03/07/05	Procure CP Lab Infrastructure Materials																																																											
IJ14050050	Assemble CP Lab Infrastructure	1	03/08/05	03/08/05	Assemble CP Lab Infrastructure																																																											
IJ14050060	AVAIL: CP Lab Infrastructure Ready for Install	0		03/08/05	AVAIL: CP Lab Infrastructure Ready for Install																																																											

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.02.15 Injector Laser Heater Subsystem</b>																																																																
IJ15	INJECTOR LASER HEATER SUBSYSTEM SUMMARY	1,015	02/02/04A	02/14/08																																																												
<b>1.02.15.01 System Design &amp; Optimization</b>																																																																
IJ15010005	Laser Heater Physics Design & Specs	19	02/02/04A	02/27/04A																																																												
IJ1501	SYSTEM DESIGN & OPTIMIZATION SUMMARY	849	02/02/04A	06/14/07																																																												
IJ15010010	Laser Heater Physics Design Review	5	02/15/04A	03/31/04A	Laser Heater Physics Design Review																																																											
IJ15010015	Laser Heater System Design Review	5	05/24/07	05/31/07													Laser Heater System Design Review																																															
IJ15010020	Laser Heater System Design Modifications	10	06/01/07	06/14/07													Laser Heater System Design Modifications																																															
IJ15010025	COMP: System design	0		06/14/07																																					COMP: System design																							
<b>1.02.15.02 Beam Conditioning Optics (Laser Bay)</b>																																																																
IJ15020005	Design Beam Conditioning	42	10/03/06*	12/01/06																																					Design Beam Conditioning																							
IJ1502	BEAM CONDITIONING OPTICS (LB) SUMMARY	123	10/03/06	03/30/07	BEAM CONDITIONING OPTICS (LB) SUMMARY																																																											
IJ15020015	Define Beam Conditioning Components Specs	26	12/04/06	01/10/07	Define Beam Conditioning Components Spec																																																											
IJ15020020	Procure Compressor breadboard and components	40	01/11/07	03/09/07	Procure Compressor breadboard and component																																																											
IJ15020025	Procure First telescope optics	40	01/11/07	03/09/07																									Procure First telescope optics																																			
IJ15020030	Procure Path length adjustor breadboard & Comps	40	01/11/07	03/09/07	Procure Path length adjustor breadboard & Comp																																																											
IJ15020035	Procure Optics safety equipment	40	01/11/07	03/09/07													Procure Optics safety equipment																																															
IJ15020040	Install and Test Beam Conditioning optics	15	03/12/07	03/30/07	Install and Test Beam Conditioning optic																																																											
IJ15020050	COMP: Beam conditioning optics	0		03/30/07																																					COMP: Beam conditioning optics																							
<b>1.02.15.03 Transport Optics (Bay to Tunnel)</b>																																																																
IJ15030005	Design Transport optics	39	01/11/07	03/08/07																																					Design Transport optics																							
IJ1503	TRANSPORT OPTICS SUMMARY	274	01/11/07	02/14/08	TRANSPORT OPTICS SUMMARY																																																											
IJ15030015	Define Transport System Optics Specs	16	03/09/07	03/30/07	Define Transport System Optics Spec																																																											
IJ15030040	Design enclosures,laser beam tubes & supports	42	03/09/07	05/07/07	Design enclosures,laser beam tubes & support																																																											
IJ15030020	Procure Relay optics transport system	40	04/02/07	05/25/07	Procure Relay optics transport system																																																											
IJ15030025	Procure Reducing telescope	40	04/02/07	05/25/07	Procure Reducing telescope																																																											
IJ15030030	Procure Optics launch table in tunnel	40	04/02/07	05/25/07	Procure Optics launch table in tunne																																																											

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.02.15.03 Transport Optics (Bay to Tunnel)</b>																																																																
IJ15030045	Procure enclosures,beam tubes & supports	120	05/08/07	10/25/07																									Procure enclosures,beam tubes & support																																			
IJ15030050	AVAIL: Enclosures,tubes & supports for Install	0		10/25/07																																					AVAIL: Enclosures,tubes & supports for Insta																							
IJ15030049	REQD: Enclosures,Tubes & Supports Installed	0		11/08/07																																					REQD: Enclosures,Tubes & Supports Installed																							
IJ15030035	Transport optics installation, alignment & test	63	11/09/07	02/14/08																									Transport optics installation, alignment & tes																																			
IJ15030060	COMP: Transport Optics	0		02/14/08																																					COMP: Transport Optics																							
<b>1.02.15.04 Chicane</b>																																																																
IJ15040005	Define Bend Magnet specifications	60	10/03/05	12/28/05																									Define Bend Magnet specifications																																			
IJ1504	CHICANE SUMMARY	204	10/03/05	07/25/06																									CHICANE SUMMARY																																			
IJ15040010	Design Bend Magnets	42	12/29/05	03/01/06																									Design Bend Magnets																																			
IJ15040060	Design Beampipe and RF transition	42	12/29/05	03/01/06																									Design Beampipe and RF transition																																			
IJ15040030	Design Magnet Strongback	22	03/02/06	03/31/06																									Design Magnet Strongback																																			
IJ15040070	Fabricate Beampipe	63	03/02/06	05/30/06																									Fabricate Beampipe																																			
IJ15040015	Procure magnet	90	03/02/06	07/07/06																									Procure magnet																																			
IJ15040032	Procure Magnet strongback	30	04/03/06	05/12/06																									Procure Magnet strongback																																			
IJ15040035	Fabricate Magnet strongback	43	05/15/06	07/14/06																									Fabricate Magnet strongback																																			
IJ15040072	AVAIL: Beampipe for installation	0		05/30/06																									AVAIL: Beampipe for installation																																			
IJ15040075	REQD: 2 OTR in Vacuum Assemblies	0		05/30/06																									REQD: 2 OTR in Vacuum Assemblies																																			
IJ15040020	Perform Magnet Measurements	10	07/10/06	07/21/06																									Perform Magnet Measurements																																			
IJ15040040	Assemble Magnets on Strongback	2	07/24/06	07/25/06																									Assemble Magnets on Strongback																																			
IJ15040042	AVAIL: Magnets on Strongback	0		07/25/06																									AVAIL: Magnets on Strongback																																			
<b>1.02.15.05 Undulator</b>																																																																
IJ15050005	Define Undulator specifications	60	10/03/05	12/28/05																									Define Undulator specifications																																			
IJ1505	UNDULATOR SUMMARY	375	10/03/05	03/30/07																									UNDULATOR SUMMARY																																			
IJ15050010	Undulator design review	10	12/29/05	01/12/06																									Undulator design review																																			
IJ15050011	Prep Bid Pak - Undulator	10	01/13/06	01/27/06																									Prep Bid Pak - Undulator																																			
IJ15050012	RELEASE: RFP - Undulator	0		01/27/06																									RELEASE: RFP - Undulator																																			

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08																							
<b>1.02.15.05 Undulator</b>																																																																												
IJ15050013	Vendors Prep Proposals - Undulator	30	01/30/06	03/13/06																									■ Vendors Prep Proposals - Undulator																																															
IJ15050014	RCV: Vendor Proposals - Undulator	0		03/13/06																																					◆ RCV: Vendor Proposals - Undulator																																			
IJ15050015	Evaluate Vendor Proposals - Undulator	1	03/14/06	03/14/06																																					■ Evaluate Vendor Proposals - Undulator																																			
IJ15050016	AWARD: Undulator	1	03/15/06	03/15/06																																					■ AWARD: Undulator																																			
IJ15050020	Fab/Procure Undulator	200	03/16/06	12/28/06																																					■ Fab/Procure Undulator																																			
IJ15050035	Perform Magnetic measurements and QA	21	12/29/06	01/30/07																									■ Perform Magnetic measurements and QA																																															
IJ15050040	AVAIL: Undulator for installation	0		01/30/07																																					◆ AVAIL: Undulator for installation																																			
MS3_IJ055	LH Undulator for installation	0		03/30/07*																																					◆ LH Undulator for installation																																			
<b>1.02.15.06 Photon Beam Diagnostics</b>																																																																												
IJ15060005	Design Diagnostics	33	04/02/07	05/16/07																																																	■ Design Diagnostics																							
IJ1506	PHOTON BEAM DIAGNOSTICS SUMMARY	136	04/02/07	10/11/07																																					■ PHOTON BEAM DIAGNOSTICS SUMMARY																																			
IJ15060015	Prepare Diagnostics spec and purchase	5	05/17/07	05/23/07																																					■ Prepare Diagnostics spec and purchase																																			
IJ15060040	Design Supports	42	05/17/07	07/17/07																																					■ Design Supports																																			
IJ15060030	Procure optics for photon diagnostics	21	05/24/07	06/22/07																																					■ Procure optics for photon diagnostic																																			
IJ15060032	Procure video cameras for OTRs & waist-size mon	21	05/24/07	06/22/07																																					■ Procure video cameras for OTRs & waist-size mo																																			
IJ15060035	Procure Timing diode + oscilloscope	21	05/24/07	06/22/07																																					■ Procure Timing diode + oscilloscop																																			
IJ15060020	Procure Spiricon camera	30	05/24/07	07/06/07																																					■ Procure Spiricon camera																																			
IJ15060025	Procure Molectron power meter	30	05/24/07	07/06/07																																					■ Procure Molectron power mete																																			
IJ15060045	Fabricate Supports	25	07/18/07	08/21/07																																					■ Fabricate Supports																																			
IJ15060047	AVAIL: Supports for Install	0		08/21/07																																					◆ AVAIL: Supports for Instal																																			
IJ15060049	REQD: Photon beam diagnostics Installed	0		09/12/07																																					◆ REQD: Photon beam diagnostics Installed																																			
IJ15060050	Install and test Photon beam diagnostics	21	09/13/07	10/11/07																																					■ Install and test Photon beam diagnostic																																			
IJ15060055	COMP: Photon Beam diagnostics	0		10/11/07																																					◆ COMP: Photon Beam diagnostics																																			
<b>1.02.16 Injector Protection &amp; Pwr Conv Subsystem</b>																																																																												
<b>1.02.16.01 Personnel Protection Subsystem (PPS)</b>																																																																												
IJ1601_006	Conduct Conceptual Design Review - Laser	1	04/20/04A	04/20/04A	■ Conduct Conceptual Design Review - Laser																																																																							

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	Fiscal Year Allocation											
					FY04	FY05	FY06	FY07	FY08							
<b>1.02.16.01 Personnel Protection Subsystem (PPS)</b>																
IJ1601	PERSONNEL PROTECTION SUBSYSTEM SUMMARY	334	04/20/04A	08/16/05	PERSONNEL PROTECTION SUBSYSTEM SUMMARY											
IJ1601_000	LASER ROOM PPS SUMMARY	334	04/20/04A	08/16/05	LASER ROOM PPS SUMMARY											
IJ1601_002	Initial Laser Room PPS Requirements	40	06/01/04*	07/27/04	Initial Laser Room PPS Requirements											
IJ1601_004	Finalize Laser Rm PPS Specification Requirements	20	07/28/04	08/24/04	Finalize Laser Rm PPS Specification Requirements											
IJ1601_008	COMP: Laser Room Requirements Definition	0		08/24/04	COMP: Laser Room Requirements Definition											
IJ1601_012	PPS Design Engineering (Laser)	40	08/25/04	10/20/04	PPS Design Engineering (Laser)											
IJ16010005	Finalize Specification Requirements - PPS	5	08/30/04*	09/03/04	Finalize Specification Requirements - PPS											
IJ1601_016	PPS Design Drafting (Laser)	40	09/01/04	10/27/04	PPS Design Drafting (Laser)											
IJ16010035	COMP: PPS Requirements Definition	0		09/03/04	COMP: PPS Requirements Definition											
IJ16010010	Conduct Design Review - PPS	1	09/07/04	09/07/04	Conduct Design Review - PPS											
IJ16010015	Conduct SLAC Citizen Committee Review	60	09/09/04	12/03/04	Conduct SLAC Citizen Committee Review											
IJ1601_022	PROCUREMENT START - Laser PPS	0	10/04/04		PROCUREMENT START - Laser PPS											
IJ16010038	PPS Design Engineering	25	10/04/04	11/05/04	PPS Design Engineering											
IJ16010055	Design PPS Hardware	30	10/04/04	11/12/04	Design PPS Hardware											
IJ1601_018	Conduct Design Review (Laser)	1	10/28/04	10/28/04	Conduct Design Review (Laser)											
IJ1601_020	COMP: Laser PPS Design	0		10/28/04	COMP: Laser PPS Design											
IJ1601_024	Procure Clean and Load Lock Room Hardware	1	10/29/04	10/29/04	Procure Clean and Load Lock Room Hardware											
IJ1601_092	Procure Cable Plant	1	10/29/04	10/29/04	Procure Cable Plant											
IJ1601_028	Procure CLEAN & LOAD LOCK ROOM HARDWARE	80	10/29/04	02/28/05	Procure CLEAN & LOAD LOCK ROOM HARDWARE											
IJ1601_030	Procure ENTRY MODULE & DOOR HARDWARE	80	10/29/04	02/28/05	Procure ENTRY MODULE & DOOR HARDWARE											
IJ1601_072	Procure 7 SLOT CONTROLOGIX CHASSIS	80	10/29/04	02/28/05	Procure 7 SLOT CONTROLOGIX CHASSIS											
IJ1601_074	Procure 85-265VAC AT 10A 1756-PB72	80	10/29/04	02/28/05	Procure 85-265VAC AT 10A 1756-PB72											
IJ1601_076	Procure BRIDGE MODULE 1756-CNB	80	10/29/04	02/28/05	Procure BRIDGE MODULE 1756-CNB											
IJ1601_078	Procure DIGITAL INPUT 1754-IB16D	80	10/29/04	02/28/05	Procure DIGITAL INPUT 1754-IB16D											
IJ1601_080	Procure DIGITAL OUTPUT 1756-OB16D	80	10/29/04	02/28/05	Procure DIGITAL OUTPUT 1756-OB16D											
IJ1601_082	Procure CLX ETHERNET/IP-1756-ENBT	80	10/29/04	02/28/05	Procure CLX ETHERNET/IP-1756-ENBT											

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04			FY05			FY06			FY07			FY08			
<b>1.02.16.01 Personnel Protection Subsystem (PPS)</b>																				
IJ1601_088	Procure PROCESSOR 1756-L55M13	80	10/29/04	02/28/05																
IJ1601_090	Procure PANELVIEW TOUCH PANEL	80	10/29/04	02/28/05																
IJ1601_094	Procure 50 pr Armored	80	10/29/04	02/28/05																
IJ1601_096	Procure 12 pr Armored	80	10/29/04	02/28/05																
IJ1601_098	Procure 4 pr Armored	80	10/29/04	02/28/05																
IJ16010040	PPS Design Drafting	25	11/08/04	12/14/04																
IJ16010048	COMP: Injector PPS Design	0		01/12/05																
IJ16010050	PROCUREMENT START - Injector PPS	0	01/13/05																	
IJ16010195	Procure 12 pr Cable (400ft)	100	01/13/05	06/06/05																
IJ16010200	Procure 50 pr Cable (400ft)	100	01/13/05	06/06/05																
IJ16010205	Procure 4 pr Cable (4000ft)	100	01/13/05	06/06/05																
IJ16010210	Procure Cable,TBD Hazards Intf.	100	01/13/05	06/06/05																
IJ16010070	Procure RSLOGIX5K Software	120	01/13/05	07/05/05																
IJ16010075	Procure RSVIEW32	120	01/13/05	07/05/05																
IJ16010080	Procure 4 SLOT CONTROLOGIX CHASSIS	120	01/13/05	07/05/05																
IJ16010085	Procure 7 SLOT CONTROLOGIX CHASSIS(2)	120	01/13/05	07/05/05																
IJ16010090	Procure 85-265VAC at 10A1756-PB72 (3)	120	01/13/05	07/05/05																
IJ16010095	Procure BRIDGE MODULE 1756-CNB (3)	120	01/13/05	07/05/05																
IJ16010100	Procure DIGITAL INPUT 1754-IB16D (5)	120	01/13/05	07/05/05																
IJ16010105	Procure DIGITAL OUTPUT 1756-OB16D (4)	120	01/13/05	07/05/05																
IJ16010110	Procure CLX ETHERNET/IP-1756-ENBT	120	01/13/05	07/05/05																
IJ16010115	Procure CN MODR REP ADAPT 1786RPA (3)	120	01/13/05	07/05/05																
IJ16010120	Procure FIBER REPEATER 1786RPFS (3)	120	01/13/05	07/05/05																
IJ16010125	Procure PROCESSOR 1756-L55M13 (3)	120	01/13/05	07/05/05																
IJ16010130	Procure PANEL VIEW TOUCH PANEL	120	01/13/05	07/05/05																
IJ16010135	Procure TUNNEL HARDWARE	120	01/13/05	07/05/05																

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.02.16.01 Personnel Protection Subsystem (PPS)</b>																																																																
IJ16010140	Procure ENTRY MODULE HARDWARE	120	01/13/05	07/05/05													█ Procure ENTRY MODULE HARDWARE																																															
IJ16010155	Procure VME Module, IDOM	120	01/13/05	07/05/05													█ Procure VME Module, IDOM																																															
IJ16010160	Procure VME Module, LDIM	120	01/13/05	07/05/05													█ Procure VME Module, LDIM																																															
IJ16010165	Procure VME Module, SAM	120	01/13/05	07/05/05													█ Procure VME Module, SAM																																															
IJ16010170	Procure VME Cable, Panel to IDOM	120	01/13/05	07/05/05													█ Procure VME Cable, Panel to IDOM																																															
IJ16010175	Procure VME Cable, Panel to LDIM	120	01/13/05	07/05/05													█ Procure VME Cable, Panel to LDIM																																															
IJ16010180	Procure VME Cable, Panel to SAM (BSOIC R/O)	120	01/13/05	07/05/05													█ Procure VME Cable, Panel to SAM (BSOIC R/O)																																															
IJ16010185	Procure Cable, 36 PR Arm, Logic Pnl to Cntrl Con	120	01/13/05	07/05/05													█ Procure Cable, 36 PR Arm, Logic Pnl to Cntrl Con																																															
IJ16010190	Procure Cable, Multi-Cond, PA Sys to X-connects	120	01/13/05	07/05/05													█ Procure Cable, Multi-Cond, PA Sys to X-connects																																															
IJ1601_100	RCV: Laser room Hardware/Material	0		02/28/05													◆ RCV: Laser room Hardware/Material																																															
IJ1601_102	Fab and Pre Assemble Laser Comp (as required)	40	03/01/05	04/25/05													█ Fab and Pre Assemble Laser Comp (as required)																																															
IJ1601_104	COMP: Laser PPS Component Fab & Assembly	0		04/25/05													◆ COMP: Laser PPS Component Fab & Assembly																																															
IJ1601_106	Conduct Design Review	1	04/26/05	04/26/05													Conduct Design Review																																															
IJ1601_108	Conduct SLAC Citizen Committee Review's	30	04/27/05	06/08/05													█ Conduct SLAC Citizen Committee Review's																																															
IJ1601_110	Perform Pre-Install Qual Test on Laser PPS	20	06/09/05	07/07/05													█ Perform Pre-Install Qual Test on Laser PPS																																															
IJ16010220	RCV: PPS Hardware/Material	0		07/05/05													◆ RCV: PPS Hardware/Material																																															
IJ16010060	Fab PPS Hardware	30	07/06/05	08/16/05													█ Fab PPS Hardware																																															
IJ1601_112	AVAIL: Laser Room PPS Equip ready for Install	0		07/07/05													◆ AVAIL: Laser Room PPS Equip ready for Install																																															
MS3_IJ060	Laser Room PPS Equip ready for Install	0		08/15/05*													◆ Laser Room PPS Equip ready for Install																																															
IJ16010065	AVAIL: PPS Hardware for Install	0		08/16/05													◆ AVAIL: PPS Hardware for Install																																															
<b>1.02.16.03 Machine Protection Subsystem (MPS)</b>																																																																
IJ16030090		1	06/01/04	06/01/04																																																												
IJ160300	MACHINE PROTECTION SUBSYSTEM SUMMARY	494	06/01/04	05/17/06													█ MACHINE PROTECTION SUBSYSTEM SUMM																																															
IJ16030030	MPS Design Drafting	27	03/02/05*	04/07/05													█ MPS Design Drafting																																															
IJ16030265	Conduct Design Review	1	03/09/05	03/09/05													Conduct Design Review																																															
IJ16030050	COMP: MPS Design	0		04/07/05													◆ COMP: MPS Design																																															



Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.02.16.03 Machine Protection Subsystem (MPS)</b>																																																																
IJ16030055	PROCUREMENT START - Injector MPS	0	10/03/05																																																													
IJ16030060	Procure TC Cable	100	10/03/05	02/27/06																																																												
IJ16030064	Procure Connectors	100	10/03/05	02/27/06																																																												
IJ16030068	Procure VME - SAM (3)	100	10/03/05	02/27/06																																																												
IJ16030072	Procure RTD, TC Panel Meters, TRP	100	10/03/05	02/27/06																																																												
IJ16030076	Procure Chassis	100	10/03/05	02/27/06																																																												
IJ16030079	Procure MAG Electronics	100	10/03/05	02/27/06																																																												
IJ16030080	Procure MAG Hardware	100	10/03/05	02/27/06																																																												
IJ16030005	Finalize Specification Requirements - MPS	20	10/04/05*	10/31/05																																																												
IJ16030010	Conduct Design Review	1	11/01/05	11/01/05																																																												
IJ16030015	COMP: MPS Requirements Definition	0		11/01/05																																																												
IJ16030062	RCV: TC Cable	0		02/27/06																																																												
IJ16030066	RCV: Connector	0		02/27/06																																																												
IJ16030070	RCV: VME - SAM	0		02/27/06																																																												
IJ16030074	RCV: RTD, TC, Panel Meters, TRP	0		02/27/06																																																												
IJ16030078	RCV: Chassis	0		02/27/06																																																												
IJ16030200	RCV: MPS Hardware/Material	0		02/27/06																																																												
IJ16030081	Fab MPS Equipment	5	02/28/06	03/06/06																																																												
IJ16030240	COMP: Vendor Equip Fab/Assy - Ready for Instl	0		03/06/06																																																												
IJ16030270	Conduct SLAC Citizen Committee Review	30	03/07/06	04/17/06																																																												
IJ16030275	COMP: Injector MPS Component Fab & Assembly	0		04/17/06																																																												
IJ16030280	Perform Pre-Install Qual Test on Injector MPS	20	04/18/06	05/15/06																																																												
IJ16030285	AVAIL: Injector MPS Equip ready for Install	0		05/15/06																																																												
MS3_IJ065	Injector MPS Equip ready for Install	0		05/17/06*																																																												

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.02.16.04 Injector Power Conversion</b>																																																																
<b>1.02.16.04.01 Beamline Pwr Supplies - (Dipole Type)</b>																																																																
IJ1604	INJECTOR POWER CONVERSION SUMMARY	507	05/03/04A	05/08/06																																																												
IJ1604_000	Finalize Power Conv Requirements Definition	5	07/01/04*	07/08/04																																																												
IJ1604_050	Finalize Power Conv Requirements Definition	5	07/01/04*	07/08/04																																																												
IJ1604_005	COMP: Injector Power Conv Spec Requirements	0		07/08/04																																																												
IJ1604_055	COMP: Injector Power Conv Spec Requirements	0		07/08/04																																																												
IJ1604_060	Conduct Overall Pwr Conv Dsn Rev - (Trim Type)	2	07/09/04	07/12/04																																																												
IJ1604_065	Conduct ES&H Review - (Trim Type)	2	07/13/04	07/14/04																																																												
IJ1604_070	COMP: Power Supply Design - (Trim Type)	0		07/14/04																																																												
IJ1604_075	Prep Bid Pak - Power Supplies - (Trim Type)	5	07/15/04	07/21/04																																																												
IJ1604_001	Design power supplies (18 different types)	400	10/04/04	05/08/06																																																												
IJ1604_002	Write documentation	380	11/01/04	05/08/06																																																												
IJ1604_015	Conduct Overall Pwr Conv Dsn Rev - (Dipole Type)	2	12/01/04	12/02/04																																																												
IJ1604_020	Conduct ES&H Review - (Dipole Type)	2	12/03/04	12/06/04																																																												
IJ1604_025	COMP: Power Supply Design - (Dipole Type)	0		12/06/04																																																												
IJ1604_030	Prep Bid Pak - Power Supplies - (Dipole Type)	5	12/07/04	12/13/04																																																												
<b>1.02.16.04.01.01 10kw Power Supply - (Solenoid 1)</b>																																																																
IJ16040165	Conduct Design Review	1	07/09/04	07/09/04																																																												
IJ160401	SOLENOID 1 PS 10KW SUMMARY	259	07/09/04	07/20/05																																																												
IJ16040106	PROCUREMENT START - Solenoid 1 PS 10KW	0	12/14/04																																																													
IJ16040108	Procure Power Supply	70	12/14/04	03/28/05																																																												
IJ16040110	Procure Transducers	70	12/14/04	03/28/05																																																												
IJ16040112	Procure Controller	70	12/14/04	03/28/05																																																												
IJ16040114	Procure 1/C #600kcmil	70	12/14/04	03/28/05																																																												
IJ16040116	Procure 2/C 18AWG Interlock	70	12/14/04	03/28/05																																																												
IJ16040118	Procure Lugs, Splices, Etc.	70	12/14/04	03/28/05																																																												

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.02.16.04.01.01 10kw Power Supply - (Solenoid 1)</b>																																																																
IJ16040120	Procure Klixon Run Safe Box	70	12/14/04	03/28/05													■ Procure Klixon Run Safe Box																																															
IJ16040122	Procure Interlock Hardware	70	12/14/04	03/28/05													■ Procure Interlock Hardware																																															
IJ16040124	Procure AC Breaker and Panel	70	12/14/04	03/28/05													■ Procure AC Breaker and Panel																																															
IJ16040109	RCV: Power Supply	0		03/28/05													◆ RCV: Power Supply																																															
IJ16040111	RCV: Transducers	0		03/28/05													◆ RCV: Transducers																																															
IJ16040113	RCV: Controller	0		03/28/05													◆ RCV: Controller																																															
IJ16040115	RCV: 1/C #600kcmil	0		03/28/05													◆ RCV: 1/C #600kcmil																																															
IJ16040117	RCV: 2/C 18AWG Interlock	0		03/28/05													◆ RCV: 2/C 18AWG Interlock																																															
IJ16040119	RCV: Lugs, Splices, Etc.	0		03/28/05													◆ RCV: Lugs, Splices, Etc.																																															
IJ16040121	RCV: Klixon Run Safe Box	0		03/28/05													◆ RCV: Klixon Run Safe Box																																															
IJ16040123	RCV: Interlock Hardware	0		03/28/05													◆ RCV: Interlock Hardware																																															
IJ16040125	RCV: AC Breaker and Panel	0		03/28/05													◆ RCV: AC Breaker and Panel																																															
IJ16040132	AVAIL: All Solenoid 1 PS 10KW parts	0		03/28/05													◆ AVAIL: All Solenoid 1 PS 10KW parts																																															
IJ16040170	COMP: Solenoid 1 PS 10KW Fab & Assembly	0		06/21/05													◆ COMP: Solenoid 1 PS 10KW Fab & Assembly																																															
IJ16040175	Perform Solenoid 1 PS 10KW Pre-Install Qual Test	20	06/22/05	07/20/05													■ Perform Solenoid 1 PS 10KW Pre-Install Qual Test																																															
IJ16040180	AVAIL: Solenoid 1 PS 10KW Ready for Install	0		07/20/05													◆ AVAIL: Solenoid 1 PS 10KW Ready for Install																																															
<b>1.02.16.04.01.02 30kw Power Supply - (Solenoid 2)</b>																																																																
IJ16040284	Conduct Design Review	1	07/09/04	07/09/04													Conduct Design Review																																															
IJ160402	SOLENOID 2 PS 15KW SUMMARY	259	07/09/04	07/20/05													■ SOLENOID 2 PS 15KW SUMMARY																																															
IJ16040206	PROCUREMENT START - Solenoid 2 PS 15KW	0	12/14/04														◆ PROCUREMENT START - Solenoid 2 PS 15KW																																															
IJ16040205	Procure Power Supply	70	12/14/04	03/28/05													■ Procure Power Supply																																															
IJ16040224	Procure Transducers	70	12/14/04	03/28/05													■ Procure Transducers																																															
IJ16040228	Procure Controller	70	12/14/04	03/28/05													■ Procure Controller																																															
IJ16040232	Procure 1/C #750kcmil	70	12/14/04	03/28/05													■ Procure 1/C #750kcmil																																															
IJ16040236	Procure 2/C 18AWG Interlock	70	12/14/04	03/28/05													■ Procure 2/C 18AWG Interlock																																															
IJ16040240	Procure Lugs, Splices, Etc.	70	12/14/04	03/28/05													■ Procure Lugs, Splices, Etc.																																															

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.02.16.04.01.02 30kw Power Supply - (Solenoid 2)</b>																																																																
IJ16040244	Procure Klixon Run Safe Box	70	12/14/04	03/28/05													■ Procure Klixon Run Safe Box																																															
IJ16040248	Procure Interlock Hardware	70	12/14/04	03/28/05													■ Procure Interlock Hardware																																															
IJ16040252	Procure AC Breaker and Panel	70	12/14/04	03/28/05													■ Procure AC Breaker and Panel																																															
IJ16040207	RCV: Power Supply	0		03/28/05													◆ RCV: Power Supply																																															
IJ16040226	RCV: Transducers	0		03/28/05													◆ RCV: Transducers																																															
IJ16040230	RCV: Controller	0		03/28/05													◆ RCV: Controller																																															
IJ16040234	RCV: 1/C #600kcmil	0		03/28/05													◆ RCV: 1/C #600kcmil																																															
IJ16040238	RCV: 2/C 18AWG Interlock	0		03/28/05													◆ RCV: 2/C 18AWG Interlock																																															
IJ16040242	RCV: Lugs, Splices, Etc.	0		03/28/05													◆ RCV: Lugs, Splices, Etc.																																															
IJ16040246	RCV: Klixon Run Safe Box	0		03/28/05													◆ RCV: Klixon Run Safe Box																																															
IJ16040250	RCV: Interlock Hardware	0		03/28/05													◆ RCV: Interlock Hardware																																															
IJ16040254	RCV: AC Breaker and Panel	0		03/28/05													◆ RCV: AC Breaker and Panel																																															
IJ16040255	AVAIL: All Solenoid 1 PS 15KW parts	0		03/28/05													◆ AVAIL: All Solenoid 1 PS 15KW parts																																															
IJ16040286	COMP: Solenoid 2 PS 15KW Fab & Assembly	0		06/21/05													◆ COMP: Solenoid 2 PS 15KW Fab & Assembly																																															
IJ16040288	Perform Solenoid 2 PS 15KW Pre-Install Qual Test	20	06/22/05	07/20/05													■ Perform Solenoid 2 PS 15KW Pre-Install Qual Test																																															
IJ16040290	AVAIL: Solenoid 2 PS 15KW Ready for Install	0		07/20/05													◆ AVAIL: Solenoid 2 PS 15KW Ready for Install																																															
<b>1.02.16.04.01.03 Reserved</b>																																																																
IJ160403	B0.5 SPECTROMETER PS 2KW SUMMARY-DELETED	1	05/03/04A	05/03/04A	B0.5 SPECTROMETER PS 2KW SUMMARY-DELETED																																																											
<b>1.02.16.04.01.04 15kw Power Supply - (B1-2)</b>																																																																
IJ16040406	PROCUREMENT START -BX011-BX02 PS 15KW	0	10/04/04														◆ PROCUREMENT START -BX011-BX02 PS 15KW																																															
IJ16040408	Procure Power Supply	70	10/04/04	01/14/05													■ Procure Power Supply																																															
IJ16040412	Procure Transducers	70	10/04/04	01/14/05													■ Procure Transducers																																															
IJ16040416	Procure Controller	70	10/04/04	01/14/05													■ Procure Controller																																															
IJ16040420	Procure 1/C #600kcmil	70	10/04/04	01/14/05													■ Procure 1/C #600kcmil																																															
IJ16040424	Procure 2/C 18AWG Interlock	70	10/04/04	01/14/05													■ Procure 2/C 18AWG Interlock																																															
IJ16040428	Procure Lugs, Splices, Etc.	70	10/04/04	01/14/05													■ Procure Lugs, Splices, Etc.																																															

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.02.16.04.01.04 15kw Power Supply - (B1-2)</b>																																																																
IJ16040432	Procure Klixon Run Safe Box	70	10/04/04	01/14/05													■ Procure Klixon Run Safe Box																																															
IJ16040436	Procure Interlock Hardware	70	10/04/04	01/14/05													■ Procure Interlock Hardware																																															
IJ16040440	Procure AC Breaker and Panel	70	10/04/04	01/14/05													■ Procure AC Breaker and Panel																																															
IJ160404	BX011-BX02 PS 15KW SUMMARY	199	10/04/04	07/20/05													■ BX011-BX02 PS 15KW SUMMARY																																															
IJ16040410	RCV: Power Supply	0		01/14/05													◆ RCV: Power Supply																																															
IJ16040414	RCV: Transductors	0		01/14/05													◆ RCV: Transductors																																															
IJ16040418	RCV: Controller	0		01/14/05													◆ RCV: Controller																																															
IJ16040422	RCV: 1/C #600kcmil	0		01/14/05													◆ RCV: 1/C #600kcmil																																															
IJ16040426	RCV: 2/C 18AWG Interlock	0		01/14/05													◆ RCV: 2/C 18AWG Interlock																																															
IJ16040430	RCV: Lugs, Splices, Etc.	0		01/14/05													◆ RCV: Lugs, Splices, Etc.																																															
IJ16040434	RCV: Klixon Run Safe Box	0		01/14/05													◆ RCV: Klixon Run Safe Box																																															
IJ16040438	RCV: Interlock Hardware	0		01/14/05													◆ RCV: Interlock Hardware																																															
IJ16040439	AVAIL: All BX011-BX02 PS 15KW parts	0		01/14/05													◆ AVAIL: All BX011-BX02 PS 15KW parts																																															
IJ16040442	RCV: AC Breaker and Panel	0		01/14/05													◆ RCV: AC Breaker and Panel																																															
IJ16040484	Conduct Design Review	1	01/18/05	01/18/05													Conduct Design Review																																															
IJ16040486	COMP: BX011-BX02 PS 15KW Fab & Assembly	0		01/18/05													◆ COMP: BX011-BX02 PS 15KW Fab & Assembly																																															
IJ16040488	Perform BX011-BX02 PS 15KW Pre-Install Qual Test	20	06/22/05	07/20/05													■ Perform BX011-BX02 PS 15KW Pre-Install Qual Test																																															
IJ16040490	AVAIL: BX011-BX02 PS 15KW Ready for Install	0		07/20/05													◆ AVAIL: BX011-BX02 PS 15KW Ready for Install																																															
<b>1.02.16.04.01.05 15kw Power Supply - (B3 Spect)</b>																																																																
IJ16040506	PROCUREMENT START - BXS Spect PS 15KW	0	10/04/04														◆ PROCUREMENT START - BXS Spect PS 15KW																																															
IJ16040508	Procure Power Supply	70	10/04/04	01/14/05													■ Procure Power Supply																																															
IJ16040512	Procure Transductors	70	10/04/04	01/14/05													■ Procure Transductors																																															
IJ16040516	Procure Controller	70	10/04/04	01/14/05													■ Procure Controller																																															
IJ16040520	Procure 1/C #600kcmil	70	10/04/04	01/14/05													■ Procure 1/C #600kcmil																																															
IJ16040524	Procure 2/C 18AWG Interlock	70	10/04/04	01/14/05													■ Procure 2/C 18AWG Interlock																																															
IJ16040528	Procure Lugs, Splices, Etc.	70	10/04/04	01/14/05													■ Procure Lugs, Splices, Etc.																																															

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.02.16.04.01.05 15kw Power Supply - (B3 Spect)</b>																																																																
IJ16040532	Procure Klixon Run Safe Box	70	10/04/04	01/14/05													■ Procure Klixon Run Safe Box																																															
IJ16040536	Procure Interlock Hardware	70	10/04/04	01/14/05													■ Procure Interlock Hardware																																															
IJ16040540	Procure AC Breaker and Panel	70	10/04/04	01/14/05													■ Procure AC Breaker and Panel																																															
IJ160405	BXS Spect PS 15KW SUMMARY	199	10/04/04	07/20/05													■ BXS Spect PS 15KW SUMMARY																																															
IJ16040510	RCV: Power Supply	0		01/14/05													◆ RCV: Power Supply																																															
IJ16040514	RCV: Transductors	0		01/14/05													◆ RCV: Transductors																																															
IJ16040518	RCV: Controller	0		01/14/05													◆ RCV: Controller																																															
IJ16040522	RCV: 1/C #600kcmil	0		01/14/05													◆ RCV: 1/C #600kcmil																																															
IJ16040526	RCV: 2/C 18AWG Interlock	0		01/14/05													◆ RCV: 2/C 18AWG Interlock																																															
IJ16040530	RCV: Lugs, Splices, Etc.	0		01/14/05													◆ RCV: Lugs, Splices, Etc.																																															
IJ16040534	RCV: Klixon Run Safe Box	0		01/14/05													◆ RCV: Klixon Run Safe Box																																															
IJ16040538	RCV: Interlock Hardware	0		01/14/05													◆ RCV: Interlock Hardware																																															
IJ16040542	RCV: AC Breaker and Panel	0		01/14/05													◆ RCV: AC Breaker and Panel																																															
IJ16040543	AVAIL: All BXS Spect PS 15KW parts	0		01/14/05													◆ AVAIL: All BXS Spect PS 15KW parts																																															
IJ16040582	Conduct Design Review	1	01/18/05	01/18/05													Conduct Design Review																																															
IJ16040584	COMP: BXS Spect PS 15KW Fab & Assembly	0		01/18/05													◆ COMP: BXS Spect PS 15KW Fab & Assembly																																															
IJ16040588	Perform BXS Spect PS 15KW Pre-Install Qual Test	20	06/22/05	07/20/05													■ Perform BXS Spect PS 15KW Pre-Install Qual Test																																															
IJ16040590	AVAIL: BXS Spect PS 15KW Ready for Install	0		07/20/05													◆ AVAIL: BXS Spect PS 15KW Ready for Install																																															
<b>1.02.16.04.01.06 10kw Power Supply - (New)</b>																																																																
IJ16041204	COMP: New PS 10KW Design	0		07/08/04													◆ COMP: New PS 10KW Design																																															
IJ160412	New PS 10KW SUMMARY	259	07/09/04	07/20/05													■ New PS 10KW SUMMARY																																															
IJ16041206	PROCUREMENT START - Wiggler PS 10KW	0	10/04/04														◆ PROCUREMENT START - Wiggler PS 10KW																																															
IJ16041208	Procure Power Supply	70	10/04/04	01/14/05													■ Procure Power Supply																																															
IJ16041212	Procure Transductors	70	10/04/04	01/14/05													■ Procure Transductors																																															
IJ16041216	Procure Controller	70	10/04/04	01/14/05													■ Procure Controller																																															
IJ16041220	Procure 1/C #600kcmil	70	10/04/04	01/14/05													■ Procure 1/C #600kcmil																																															

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04																								FY05																								FY06																								FY07																								FY08																							
					FY04				FY05				FY06				FY07				FY08				FY04				FY05				FY06				FY07				FY08																																																																																			
<b>1.02.16.04.01.06 10kw Power Supply - (New)</b>																																																																																																																												
IJ16041224	Procure 2/C 18AWG Interlock	70	10/04/04	01/14/05																																																																																																																								
IJ16041228	Procure Lugs, Splices, Etc.	70	10/04/04	01/14/05																																																																																																																								
IJ16041232	Procure Klixon Run Safe Box	70	10/04/04	01/14/05																																																																																																																								
IJ16041236	Procure Interlock Hardware	70	10/04/04	01/14/05																																																																																																																								
IJ16041240	Procure AC Breaker and Panel	70	10/04/04	01/14/05																																																																																																																								
IJ16041210	RCV: Power Supply	0		01/14/05																																																																																																																								
IJ16041214	RCV: Transducers	0		01/14/05																																																																																																																								
IJ16041218	RCV: Controller	0		01/14/05																																																																																																																								
IJ16041222	RCV: 1/C #600kcmil	0		01/14/05																																																																																																																								
IJ16041226	RCV: 2/C 18AWG Interlock	0		01/14/05																																																																																																																								
IJ16041230	RCV: Lugs, Splices, Etc.	0		01/14/05																																																																																																																								
IJ16041234	RCV: Klixon Run Safe Box	0		01/14/05																																																																																																																								
IJ16041238	RCV: Interlock Hardware	0		01/14/05																																																																																																																								
IJ16041242	RCV: AC Breaker and Panel	0		01/14/05																																																																																																																								
IJ16041243	AVAIL: All Wiggler PS 10KW parts	0		01/14/05																																																																																																																								
IJ16041260	COMP: Wiggler PS 10KW Fab & Assembly	0		01/14/05																																																																																																																								
IJ16041262	Perform Wiggler PS 10KW Pre-Install Qual	20	06/22/05	07/20/05																																																																																																																								
IJ16041264	AVAIL: Wiggler PS 10KW Ready for Install	0		07/20/05																																																																																																																								
<b>1.02.16.04.02 Beamline Pwr Supplies - (Trim Type)</b>																																																																																																																												
<b>1.02.16.04.02.01 12Amp Power Supply - (MCOR_1)</b>																																																																																																																												
IJ16040684	Conduct Design Review	1	07/09/04	07/09/04																																																																																																																								
IJ160406	MCOR_1 SUMMARY	259	07/09/04	07/20/05																																																																																																																								
IJ16040606	PROCUREMENT START - MCOR_1 (12Amp)	0	10/04/04																																																																																																																									
IJ16040605	Procure Smart Analog Monitor (VMIC 3122)	105	10/04/04	03/08/05																																																																																																																								
IJ16040608	Procure MCOR Bulk Power Supply	105	10/04/04	03/08/05																																																																																																																								
IJ16040609	Procure Digital Analog Converter(VMIC 4132)	105	10/04/04	03/08/05																																																																																																																								

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.02.16.04.02.01 12Amp Power Supply - (MCOR_1)</b>																																																																
IJ16040612	Procure MCOR Chassis	105	10/04/04	03/08/05													Procure MCOR Chassis																																															
IJ16040613	Procure SAM/DAC Cable	105	10/04/04	03/08/05													Procure SAM/DAC Cable																																															
IJ16040616	Procure MCOR Controller Card (SAM DAC)	105	10/04/04	03/08/05													Procure MCOR Controller Card (SAM DAC)																																															
IJ16040617	Procure Output Interface	105	10/04/04	03/08/05													Procure Output Interface																																															
IJ16040620	Procure 12Amp Modules - XSC0	105	10/04/04	03/08/05													Procure 12Amp Modules - XSC0																																															
IJ16040621	Procure Cooling Unit	105	10/04/04	03/08/05													Procure Cooling Unit																																															
IJ16040624	Procure 12Amp Modules - YCS0	105	10/04/04	03/08/05													Procure 12Amp Modules - YCS0																																															
IJ16040628	Procure 12Amp Modules - XSC1	105	10/04/04	03/08/05													Procure 12Amp Modules - XSC1																																															
IJ16040632	Procure 12Amp Modules - YSC1	105	10/04/04	03/08/05													Procure 12Amp Modules - YSC1																																															
IJ16040633	Procure 12Amp Modules - XSC2	105	10/04/04	03/08/05													Procure 12Amp Modules - XSC2																																															
IJ16040636	Procure 12Amp Modules - YSC2	105	10/04/04	03/08/05													Procure 12Amp Modules - YSC2																																															
IJ16040640	Procure 12Amp Modules - CQ1	105	10/04/04	03/08/05													Procure 12Amp Modules - CQ1																																															
IJ16040641	Procure 12Amp Modules - XSC3	105	10/04/04	03/08/05													Procure 12Amp Modules - XSC3																																															
IJ16040644	Procure 12Amp Modules - SQ01	105	10/04/04	03/08/05													Procure 12Amp Modules - SQ01																																															
IJ16040648	Procure 12Amp Modules - QG01-03	105	10/04/04	03/08/05													Procure 12Amp Modules - QG01-03																																															
IJ16040652	Procure 2/C #8 (15 units)	105	10/04/04	03/08/05													Procure 2/C #8 (15 units)																																															
IJ16040660	Procure Lugs, Splices, Etc. (16 units)	105	10/04/04	03/08/05													Procure Lugs, Splices, Etc. (16 units)																																															
IJ16040664	Procure AC Breaker and Panel	105	10/04/04	03/08/05													Procure AC Breaker and Panel																																															
IJ16040670	Procure 12Amp Modules - XSC3	105	10/04/04	03/08/05													Procure 12Amp Modules - XSC3																																															
IJ16040673	Procure 12Amp Modules - YSC3	105	10/04/04	03/08/05													Procure 12Amp Modules - YSC3																																															
IJ16040675	Procure 12Amp Modules - XSC4	105	10/04/04	03/08/05													Procure 12Amp Modules - XSC4																																															
IJ16040677	Procure 12Amp Modules - YSC4	105	10/04/04	03/08/05													Procure 12Amp Modules - YSC4																																															
IJ16040679	Procure 12Amp Modules - XSC5	105	10/04/04	03/08/05													Procure 12Amp Modules - XSC5																																															
IJ16040681	Procure 12Amp Modules - YSC5	105	10/04/04	03/08/05													Procure 12Amp Modules - YSC5																																															
IJ16040607	RCV:Smart Analog Monitor (VMIC 3122)	0		03/08/05													◆ RCV:Smart Analog Monitor (VMIC 3122)																																															
IJ16040610	RCV: MCOR Bulk Power Supply	0		03/08/05													◆ RCV: MCOR Bulk Power Supply																																															



Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04				FY05				FY06				FY07				FY08				
<b>1.02.16.04.02.01 12Amp Power Supply - (MCOR_1)</b>																									
IJ16040611	RCV:Digital Analog Converter (VMIC 4132)	0		03/08/05																					
IJ16040614	RCV: MCOR Chassis	0		03/08/05																					
IJ16040615	RCV: SAM/DAC Cable	0		03/08/05																					
IJ16040618	RCV: MCOR Controller Card (SAM DAC)	0		03/08/05																					
IJ16040619	RCV: Output Interface	0		03/08/05																					
IJ16040622	RCV: XSC0	0		03/08/05																					
IJ16040623	RCV: Cooling Unit	0		03/08/05																					
IJ16040626	RCV: YCS0	0		03/08/05																					
IJ16040630	RCV: XCS1	0		03/08/05																					
IJ16040634	RCV: YSC2	0		03/08/05																					
IJ16040637	RCV: XSC2	0		03/08/05																					
IJ16040638	RCV: YSC2	0		03/08/05																					
IJ16040642	RCV: CQ1	0		03/08/05																					
IJ16040643	RCV: XSC3	0		03/08/05																					
IJ16040646	RCV: SQ01	0		03/08/05																					
IJ16040650	RCV: QG01-03	0		03/08/05																					
IJ16040654	RCV: 2/C #8 (15 units)	0		03/08/05																					
IJ16040662	RCV: Lugs, Splices, Etc. (16 units)	0		03/08/05																					
IJ16040665	RCV: AC Breaker and Panel	0		03/08/05																					
IJ16040667	AVAIL: All MCOR_1 parts	0		03/08/05																					
IJ16040671	RCV: XSC3	0		03/08/05																					
IJ16040674	RCV: YSC3	0		03/08/05																					
IJ16040676	RCV: XSC4	0		03/08/05																					
IJ16040678	RCV: YSC4	0		03/08/05																					
IJ16040680	RCV: XSC5	0		03/08/05																					
IJ16040682	RCV: YSC5	0		03/08/05																					

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04 FY05 FY06 FY07 FY08																													
					FY04							FY05							FY06							FY07							FY08	
<b>1.02.16.04.02.01 12Amp Power Supply - (MCOR_1)</b>																																		
IJ16040686	COMP: MCOR_1 Fab & Assembly	0	06/22/05	06/21/05	COMP: MCOR_1 Fab & Assembly																													
IJ16040688	Perform MCOR_1 Pre-Install Qual Test	20	06/22/05	07/20/05	■ Perform MCOR_1 Pre-Install Qual Test																													
IJ16040690	AVAIL: MCOR_1 Ready for Install	0		07/20/05	◆ AVAIL: MCOR_1 Ready for Install																													
<b>1.02.16.04.02.02 30Amp Power Supply - (MCOR_2)</b>																																		
IJ16040704	Conduct Design Panel	1	07/09/04	07/09/04	Conduct Design Panel																													
IJ160407	MCOR_2 SUMMARY	259	07/09/04	07/20/05	■ MCOR_2 SUMMARY																													
IJ16040706	PROCUREMENT START - MCOR_2 (12Amp)	0	10/04/04		◆ PROCUREMENT START - MCOR_2 (12Amp)																													
IJ16040705	Procure Smart Analog Monitor (VMIC 3122)	105	10/04/04	03/08/05	■ Procure Smart Analog Monitor (VMIC 3122)																													
IJ16040708	Procure MCOR Bulk Power Supply	105	10/04/04	03/08/05	■ Procure MCOR Bulk Power Supply																													
IJ16040709	Procure Digital Analog Converter (VMIC 4132)	105	10/04/04	03/08/05	■ Procure Digital Analog Converter (VMIC 4132)																													
IJ16040712	Procure MCOR Chassis	105	10/04/04	03/08/05	■ Procure MCOR Chassis																													
IJ16040713	Procure SAM/DAC Cable	105	10/04/04	03/08/05	■ Procure SAM/DAC Cable																													
IJ16040717	Procure Output Interface	105	10/04/04	03/08/05	■ Procure Output Interface																													
IJ16040721	Procure Cooling Unit	105	10/04/04	03/08/05	■ Procure Cooling Unit																													
IJ16040724	Procure MCOR Controller Card (SAM DAC)	105	10/04/04	03/08/05	■ Procure MCOR Controller Card (SAM DAC)																													
IJ16040728	Procure 12Amp Modules - XSC6	105	10/04/04	03/08/05	■ Procure 12Amp Modules - XSC6																													
IJ16040732	Procure 12Amp Modules - YSC6	105	10/04/04	03/08/05	■ Procure 12Amp Modules - YSC6																													
IJ16040736	Procure 12Amp Modules - XSC7	105	10/04/04	03/08/05	■ Procure 12Amp Modules - XSC7																													
IJ16040740	Procure 12Amp Modules - YSC7	105	10/04/04	03/08/05	■ Procure 12Amp Modules - YSC7																													
IJ16040744	Procure 12Amp Modules - XSC8	105	10/04/04	03/08/05	■ Procure 12Amp Modules - XSC8																													
IJ16040748	Procure 12Amp Modules - YSC8	105	10/04/04	03/08/05	■ Procure 12Amp Modules - YSC8																													
IJ16040752	Procure 12Amp Modules - XSC9	105	10/04/04	03/08/05	■ Procure 12Amp Modules - XSC9																													
IJ16040756	Procure 12Amp Modules - YSC9	105	10/04/04	03/08/05	■ Procure 12Amp Modules - YSC9																													
IJ16040760	Procure 12Amp Modules - XSC10	105	10/04/04	03/08/05	■ Procure 12Amp Modules - XSC10																													
IJ16040764	Procure 12Amp Modules - YCS10	105	10/04/04	03/08/05	■ Procure 12Amp Modules - YCS10																													
IJ16040768	Procure 12Amp Modules - QA01	105	10/04/04	03/08/05	■ Procure 12Amp Modules - QA01																													

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.02.16.04.02.02 30Amp Power Supply - (MCOR_2)</b>																																																																
IJ16040772	Procure 12Amp Modules - QA02	105	10/04/04	03/08/05													■ Procure 12Amp Modules - QA02																																															
IJ16040776	Procure 2/C #8 (16units)	105	10/04/04	03/08/05													■ Procure 2/C #8 (16units)																																															
IJ16040780	Procure 2/C 18AWG Interlock (16 units)	105	10/04/04	03/08/05													■ Procure 2/C 18AWG Interlock (16 units)																																															
IJ16040781	Procure 12Amp Modules - QE01	105	10/04/04	03/08/05													■ Procure 12Amp Modules - QE01																																															
IJ16040784	Procure Lugs, Splices, Etc. (16 units)	105	10/04/04	03/08/05													■ Procure Lugs, Splices, Etc. (16 units)																																															
IJ16040785	Procure 12Amp Modules - QE02	105	10/04/04	03/08/05													■ Procure 12Amp Modules - QE02																																															
IJ16040788	Procure AC Breaker and Panel	105	10/04/04	03/08/05													■ Procure AC Breaker and Panel																																															
IJ16040789	Procure 12Amp Modules - QE03	105	10/04/04	03/08/05													■ Procure 12Amp Modules - QE03																																															
IJ16040794	Procure 12Amp Modules - QE04	105	10/04/04	03/08/05													■ Procure 12Amp Modules - QE04																																															
IJ16040707	RCV:Smart Analog Monitor (VMIC 3122)	0		03/08/05													◆ RCV:Smart Analog Monitor (VMIC 3122)																																															
IJ16040710	RCV: MCOR Bulk Power Supply	0		03/08/05													◆ RCV: MCOR Bulk Power Supply																																															
IJ16040711	RCV:Digital Analog Converter (VMIC 4132)	0		03/08/05													◆ RCV:Digital Analog Converter (VMIC 4132)																																															
IJ16040714	RCV: MCOR Chassis	0		03/08/05													◆ RCV: MCOR Chassis																																															
IJ16040715	RCV: SAM/DAC Cable	0		03/08/05													◆ RCV: SAM/DAC Cable																																															
IJ16040719	RCV: Output Interface	0		03/08/05													◆ RCV: Output Interface																																															
IJ16040723	RCV: Cooling Unit	0		03/08/05													◆ RCV: Cooling Unit																																															
IJ16040726	RCV: MCOR Controller Card (SAM DAC)	0		03/08/05													◆ RCV: MCOR Controller Card (SAM DAC)																																															
IJ16040730	RCV: XSC6	0		03/08/05													◆ RCV: XSC6																																															
IJ16040734	RCV: YSC6	0		03/08/05													◆ RCV: YSC6																																															
IJ16040738	RCV: XCS7	0		03/08/05													◆ RCV: XCS7																																															
IJ16040742	RCV: YSC7	0		03/08/05													◆ RCV: YSC7																																															
IJ16040746	RCV: XSC8	0		03/08/05													◆ RCV: XSC8																																															
IJ16040750	RCV: YSC8	0		03/08/05													◆ RCV: YSC8																																															
IJ16040754	RCV: XCS9	0		03/08/05													◆ RCV: XCS9																																															
IJ16040758	RCV: YCS9	0		03/08/05													◆ RCV: YCS9																																															
IJ16040762	RCV: XCS10	0		03/08/05													◆ RCV: XCS10																																															

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.02.16.04.02.02 30Amp Power Supply - (MCOR_2)</b>																																																																
IJ16040766	RCV: YCS10	0		03/08/05																																																												
IJ16040770	RCV: QA01	0		03/08/05																																																												
IJ16040774	RCV: QA02	0		03/08/05																																																												
IJ16040778	RCV: 2/C #8 (16 units)	0		03/08/05																																																												
IJ16040782	RCV: 2/C 18AWG Interlock (16 units)	0		03/08/05																																																												
IJ16040783	RCV: QE01	0		03/08/05																																																												
IJ16040786	RCV: Lugs, Splices, Etc. (16 units)	0		03/08/05																																																												
IJ16040790	RCV: AC Breaker and Panel	0		03/08/05																																																												
IJ16040791	AVAIL: All MCOR_2 parts	0		03/08/05																																																												
IJ16040792	RCV: QE03	0		03/08/05																																																												
IJ16040793	RCV: QE02	0		03/08/05																																																												
IJ16040796	RCV: QE04	0		03/08/05																																																												
IJ16040722	COMP: MCOR_2 Fab & Assembly	0	06/22/05	06/21/05																																																												
IJ16040725	Perform MCOR_2 Pre-Install Qual Test	20	06/22/05	07/20/05																																																												
IJ16040727	AVAIL: MCOR_2 Ready for Install	0		07/20/05																																																												
<b>1.02.16.04.02.03 30Amp Power Supply - (MCOR_3)</b>																																																																
IJ16040884	Conduct Design Review	1	07/09/04	07/09/04																																																												
IJ160408	MCOR_3 SUMMARY	259	07/09/04	07/20/05																																																												
IJ16040806	PROCUREMENT START - MCOR_3 (30Amp)	0	10/04/04																																																													
IJ16040805	Procure Smart Analog Monitor (VMIC 3122)	105	10/04/04	03/08/05																																																												
IJ16040808	Procure MCOR Bulk Power Supply	105	10/04/04	03/08/05																																																												
IJ16040809	Procure Digital Analog Converter (VMIC 4132)	105	10/04/04	03/08/05																																																												
IJ16040812	Procure MCOR Chassis	105	10/04/04	03/08/05																																																												
IJ16040813	Procure SAM/DAC Cable	105	10/04/04	03/08/05																																																												
IJ16040816	Procure MCOR Controller Card (SAM DAC)	105	10/04/04	03/08/05																																																												
IJ16040817	Procure Output Interface	105	10/04/04	03/08/05																																																												

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.02.16.04.02.03 30Amp Power Supply - (MCOR_3)</b>																																																																
IJ16040820	Procure MCOR 30 Amp Modules - XSC1,50V/30A MCOR	105	10/04/04	03/08/05													Procure MCOR 30 Amp Modules - XSC1,50V/30A MCOR																																															
IJ16040821	Procure Cooling Unit	105	10/04/04	03/08/05													Procure Cooling Unit																																															
IJ16040824	Procure MCOR 30 Amp Modules - XSC02,50V/30A MCOR	105	10/04/04	03/08/05													Procure MCOR 30 Amp Modules - XSC02,50V/30A MCOR																																															
IJ16040827	Procure MCOR 30 Amp Modules - XSC03,50V/30A MCOR	105	10/04/04	03/08/05													Procure MCOR 30 Amp Modules - XSC03,50V/30A MCOR																																															
IJ16040829	Procure MCOR 30 Amp Modules - XSC4,50V/30A MCOR	105	10/04/04	03/08/05													Procure MCOR 30 Amp Modules - XSC4,50V/30A MCOR																																															
IJ16040831	Procure MCOR 30 Amp Modules - BXG,50V/30A MCOR	105	10/04/04	03/08/05													Procure MCOR 30 Amp Modules - BXG,50V/30A MCOR																																															
IJ16040848	Procure 2/C #8 (2 units)	105	10/04/04	03/08/05													Procure 2/C #8 (2 units)																																															
IJ16040852	Procure 2/C 18AWG Interlock (2 units)	105	10/04/04	03/08/05													Procure 2/C 18AWG Interlock (2 units)																																															
IJ16040856	Procure Lugs, Splices, Etc. (2 units)	105	10/04/04	03/08/05													Procure Lugs, Splices, Etc. (2 units)																																															
IJ16040860	Procure AC Breaker and Panel	105	10/04/04	03/08/05													Procure AC Breaker and Panel																																															
IJ16040807	RCV:Smart Analog Monitor (VMIC 3122)	0		03/08/05													◆ RCV:Smart Analog Monitor (VMIC 3122)																																															
IJ16040810	RCV: MCOR Bulk Power Supply	0		03/08/05													◆ RCV: MCOR Bulk Power Supply																																															
IJ16040811	RCV:Digital Analog Converter (VMIC 4132)	0		03/08/05													◆ RCV:Digital Analog Converter (VMIC 4132)																																															
IJ16040814	RCV: MCOR Chassis	0		03/08/05													◆ RCV: MCOR Chassis																																															
IJ16040815	RCV: SAM/DAC Cable	0		03/08/05													◆ RCV: SAM/DAC Cable																																															
IJ16040818	RCV: MCOR Controller Card (SAM DAC)	0		03/08/05													◆ RCV: MCOR Controller Card (SAM DAC)																																															
IJ16040819	RCV: Output Interface	0		03/08/05													◆ RCV: Output Interface																																															
IJ16040822	RCV: XSC1, 50V/30A MCOR	0		03/08/05													◆ RCV: XSC1, 50V/30A MCOR																																															
IJ16040823	RCV: Cooling Unit	0		03/08/05													◆ RCV: Cooling Unit																																															
IJ16040826	RCV: XSC2, 50V/30A MCOR	0		03/08/05													◆ RCV: XSC2, 50V/30A MCOR																																															
IJ16040828	RCV: XSC3, 50V/30A MCOR	0		03/08/05													◆ RCV: XSC3, 50V/30A MCOR																																															
IJ16040830	RCV: XSC4, 50V/30A MCOR	0		03/08/05													◆ RCV: XSC4, 50V/30A MCOR																																															
IJ16040832	RCV: BXG, 50V/30A MCOR	0		03/08/05													◆ RCV: BXG, 50V/30A MCOR																																															
IJ16040850	RCV: 2/C #8 (2 units)	0		03/08/05													◆ RCV: 2/C #8 (2 units)																																															
IJ16040854	RCV: 2/C 18AWG Interlock (2 units)	0		03/08/05													◆ RCV: 2/C 18AWG Interlock (2 units)																																															
IJ16040858	RCV: Lugs, Splices, Etc. (2 units)	0		03/08/05													◆ RCV: Lugs, Splices, Etc. (2 units)																																															

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.02.16.04.02.03 30Amp Power Supply - (MCOR_3)</b>																																																																
IJ16040862	RCV: AC Breaker and Panel	0		03/08/05																																																												
IJ16040863	AVAIL: All MCOR_3 parts	0		03/08/05																																																												
IJ16040886	COMP: MCOR_3 Fab & Assembly	0		06/21/05																																																												
IJ16040888	Perform MCOR_3 Pre-Install Qual Test	20	06/22/05	07/20/05																																																												
IJ16040890	AVAIL: MCOR_3 Ready for Install	0		07/20/05																																																												
<b>1.02.16.04.02.04 30Amp Power Supply - (MCOR_4)</b>																																																																
IJ16040984	Conduct Design Review	1	07/09/04	07/09/04																																																												
IJ160409	MCOR_4 SUMMARY	259	07/09/04	07/20/05																																																												
IJ16040906	PROCUREMENT START - MCOR_4 (12Amp)	0	10/04/04																																																													
IJ16040905	Procure Smart Analog Monitor (VMIC 3122)	105	10/04/04	03/08/05																																																												
IJ16040908	Procure MCOR Bulk Power Supply	105	10/04/04	03/08/05																																																												
IJ16040909	Procure Digital Analog Converter (VMIC 4132)	105	10/04/04	03/08/05																																																												
IJ16040912	Procure MCOR Chassis	105	10/04/04	03/08/05																																																												
IJ16040913	Procure SAM/DAC Cable	105	10/04/04	03/08/05																																																												
IJ16040916	Procure MCOR Controller Card (SAM DAC)	105	10/04/04	03/08/05																																																												
IJ16040917	Procure Output Interface	105	10/04/04	03/08/05																																																												
IJ16040920	Procure 12Amp Modules - QB	105	10/04/04	03/08/05																																																												
IJ16040921	Procure Cooling Unit	105	10/04/04	03/08/05																																																												
IJ16040924	Procure 12Amp Modules - QM01	105	10/04/04	03/08/05																																																												
IJ16040928	Procure 12Amp Modules - QM02	105	10/04/04	03/08/05																																																												
IJ16040932	Procure 12Amp Modules - QM03	105	10/04/04	03/08/05																																																												
IJ16040936	Procure 12Amp Modules - QM04	105	10/04/04	03/08/05																																																												
IJ16040940	Procure 12Amp Modules - QS01	105	10/04/04	03/08/05																																																												
IJ16040944	Procure 12Amp Modules - QS02	105	10/04/04	03/08/05																																																												
IJ16040948	Procure 12Amp Modules - QS03	105	10/04/04	03/08/05																																																												
IJ16040952	Procure 12Amp Modules - YCS11	105	10/04/04	03/08/05																																																												

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04	FY05	FY06	FY07	FY08
1.02.16.04.02.04	30Amp Power Supply - (MCOR_4)								
IJ16040955	Procure 12Amp Modules - XSC11	105	10/04/04	03/08/05		Procure 12Amp Modules - XSC11			
IJ16040956	Procure 2/C #8 (10 units)	105	10/04/04	03/08/05		Procure 2/C #8 (10 units)			
IJ16040964	Procure Lugs, Splices, Etc. (10 units)	105	10/04/04	03/08/05		Procure Lugs, Splices, Etc. (10 units)			
IJ16040968	Procure AC Breaker and Panel	105	10/04/04	03/08/05		Procure AC Breaker and Panel			
IJ16040907	RCV:Smart Analog Monitor (VMIC 3122)	0		03/08/05		RCV:Smart Analog Monitor (VMIC 3122)			
IJ16040910	RCV: MCOR Bulk Power Supply	0		03/08/05		RCV: MCOR Bulk Power Supply			
IJ16040911	RCV:Digital Analog Converter (VMIC 4132)	0		03/08/05		RCV:Digital Analog Converter (VMIC 4132)			
IJ16040914	RCV: MCOR Chassis	0		03/08/05		RCV: MCOR Chassis			
IJ16040915	RCV: SAM/DAC Cable	0		03/08/05		RCV: SAM/DAC Cable			
IJ16040918	RCV: MCOR Controller Card (SAM DAC)	0		03/08/05		RCV: MCOR Controller Card (SAM DAC)			
IJ16040919	RCV: Output Interface	0		03/08/05		RCV: Output Interface			
IJ16040922	RCV: QB	0		03/08/05		RCV: QB			
IJ16040923	RCV: Cooling Unit	0		03/08/05		RCV: Cooling Unit			
IJ16040926	RCV: QM01	0		03/08/05		RCV: QM01			
IJ16040930	RCV: QM02	0		03/08/05		RCV: QM02			
IJ16040934	RCV: QM03	0		03/08/05		RCV: QM03			
IJ16040938	RCV: QM04	0		03/08/05		RCV: QM04			
IJ16040942	RCV: QS01	0		03/08/05		RCV: QS01			
IJ16040946	RCV: QS02	0		03/08/05		RCV: QS02			
IJ16040950	RCV: QS03	0		03/08/05		RCV: QS03			
IJ16040954	RCV: YCS11	0		03/08/05		RCV: YCS11			
IJ16040957	RCV: XCS11	0		03/08/05		RCV: XCS11			
IJ16040958	RCV: 2/C #8 (10 units)	0		03/08/05		RCV: 2/C #8 (10 units)			
IJ16040966	RCV: Lugs, Splices, Etc. (10 units)	0		03/08/05		RCV: Lugs, Splices, Etc. (10 units)			
IJ16040970	RCV: AC Breaker and Panel	0		03/08/05		RCV: AC Breaker and Panel			
IJ16040972	AVAIL: All MCOR_4 parts	0		03/08/05		AVAIL: All MCOR_4 parts			

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.02.16.04.02.04 30Amp Power Supply - (MCOR_4)</b>																																																																
IJ16040986	COMP: MCOR_4 Fab & Assembly	0	06/22/05	06/21/05																																																												
IJ16040988	Perform MCOR_4 Pre-Install Qual Test	20	06/22/05	07/20/05																																																												
IJ16040990	AVAIL: MCOR_4 Ready for Install	0		07/20/05																																																												
<b>1.02.16.04.03 Controls &amp; Power Supply - Misc Hdwr</b>																																																																
IJ16041100	Engineering (Layouts/Raceways/Supports)	60	06/01/04A	08/24/04																																																												
IJ160411	MISC HARDWARE SUMMARY	266	06/01/04A	06/21/05																																																												
IJ16041104	Captar Documents	10	06/15/04	06/28/04																																																												
IJ16041106	Conduct Design Review - BL Pwr Supply Misc Hdwr	1	06/29/04	06/29/04																																																												
IJ16041153	Prep Bid Pak - Single Bay Racks (DC/I&C)	15	06/29/04	07/20/04																																																												
IJ16041163	Prep Bid Pak - Double Bay Racks	15	06/29/04	07/20/04																																																												
IJ16041203	Prep Bid Pak - Cableplant Install(DC.I&C)-S20	15	06/29/04	07/20/04																																																												
IJ16041108	Conduct SLAC Citizen Committee Review	30	06/30/04	08/11/04																																																												
IJ16041154	RELEASE: RFP - Single Bay Racks (DC/I&C)	0		07/20/04																																																												
IJ16041164	RELEASE: RFP - Double Bay Racks	0		07/20/04																																																												
IJ16041205	RELEASE: RFP - Cableplant Install(DC.I&C)-S20	0		07/20/04																																																												
IJ16041155	Vendors Prep Proposals - Single Bay Racks	20	07/21/04	08/17/04																																																												
IJ16041165	Vendors Prep Proposals - Double Bay Racks	20	07/21/04	08/17/04																																																												
IJ16041207	Vendors Prep Prop-Cableplant Install(DC.I&C)-S20	20	07/21/04	08/17/04																																																												
IJ16041156	RCV: Proposals - Single Bay Racks (DC/I&C)	0		08/17/04																																																												
IJ16041166	RCV: Proposals - Double Bay Racks	0		08/17/04																																																												
IJ16041209	RCV: Proposals - Cableplant Install(DC.I&C)-S20	0		08/17/04																																																												
IJ16041267	Evaluate Prop-Cableplant Install(DC.I&C)-S20	10	08/18/04	08/31/04																																																												
IJ16041157	Evaluate Proposals - Single Bay Racks (DC/	15	08/18/04	09/08/04																																																												
IJ16041167	Evaluate Proposals - Double Bay Racks	15	08/18/04	09/08/04																																																												
IJ16041115	PROCUREMENT START - Misc Hardware	0	10/04/04																																																													
IJ16041158	AWARD: Contract - Single Bay Racks (DC/I&C)	1	10/04/04	10/04/04																																																												



Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	Fiscal Year Budget																		
					FY04		FY05		FY06		FY07		FY08										
<b>1.02.16.04.03 Controls &amp; Power Supply - Misc Hdwr</b>																							
IJ16041168	AWARD: Contract - Double Bay Racks	1	10/04/04	10/04/04																			
IJ16041268	AWARD: Contract - Cableplant Install(DC.I&C)-S20	1	10/04/04	10/04/04																			
IJ16041269	AVAIL: Cableplant Ready to Install(DC.I&C)-S20	0		10/04/04																			
IJ16041102	System Drawings	90	10/04/04	02/14/05																			
IJ16041118	Procure AC Breakers (36)	120	10/04/04	03/29/05																			
IJ16041120	Procure PS Hubble Plug (36)	120	10/04/04	03/29/05																			
IJ16041122	Procure 3 Phase Dist Bus (9)	120	10/04/04	03/29/05																			
IJ16041124	Procure Circuit Breaker Panels (9)	120	10/04/04	03/29/05																			
IJ16041126	Procure Neutral/Ground Pnl. (9)	120	10/04/04	03/29/05																			
IJ16041128	Procure Blank Panels (9)	120	10/04/04	03/29/05																			
IJ16041130	Procure AC Wire	120	10/04/04	03/29/05																			
IJ16041132	Procure Breaker Lock-outs	120	10/04/04	03/29/05																			
IJ16041134	Procure Rack Cooling Fans	120	10/04/04	03/29/05																			
IJ16041136	Procure Rack Hardware (Single Rack)	120	10/04/04	03/29/05																			
IJ16041138	Procure Rack Hardware (Double Rack)	120	10/04/04	03/29/05																			
IJ16041141	Procure Cable Tray Fittings (DC&IC)	120	10/04/04	03/29/05																			
IJ16041143	Procure Trapeze Cable Tray Supports (DC&IC)	120	10/04/04	03/29/05																			
IJ16041145	Procure Cable Tray Grounding (DC&IC, \$1.8/	120	10/04/04	03/29/05																			
IJ16041147	Procure Gnd Jumpers (DC&IC)	120	10/04/04	03/29/05																			
IJ16041149	Procure Conduits for Linac penetrations, 4	120	10/04/04	03/29/05																			
IJ16041171	Procure GP Patch System	120	10/04/04	03/29/05																			
IJ16041172	Procure Hardware for 24V Distribution	120	10/04/04	03/29/05																			
IJ16041173	Procure Power Supply for 24V Distribution	120	10/04/04	03/29/05																			
IJ16041159	Vendor Fab/Assy - Single Bay Racks	120	10/05/04	03/30/05																			
IJ16041169	Vendor Fab/Assy - Double Bay Racks	120	10/05/04	03/30/05																			
IJ16041119	RCV: AC Breakers (36)	0		03/29/05																			

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04		FY05		FY06		FY07		FY08	
<b>1.02.16.04.03 Controls &amp; Power Supply - Misc Hdw</b>														
IJ16041121	RCV: PS Hubble Plug (36)	0		03/29/05										
IJ16041123	RCV: 3 Phase Dist Bus (9)	0		03/29/05										
IJ16041125	RCV: Circuit Breaker Panels (9)	0		03/29/05										
IJ16041127	RCV: Neutral/Ground Pnl. (9)	0		03/29/05										
IJ16041129	RCV: Blank Panels (9)	0		03/29/05										
IJ16041131	RCV: AC Wire	0		03/29/05										
IJ16041133	RCV: Breaker Lock-outs	0		03/29/05										
IJ16041135	RCV: Rack Cooling Fans	0		03/29/05										
IJ16041137	RCV: Rack Hardware (Single Rack)	0		03/29/05										
IJ16041139	RCV: Rack Hardware (Double Rack)	0		03/29/05										
IJ16041142	RCV: Cable Tray Fittings (DC&IC)	0		03/29/05										
IJ16041144	RCV: Trapeze Cable Tray Supports (DC&IC)	0		03/29/05										
IJ16041146	RCV: Cable Tray Grounding (DC&IC, \$1.8/ft)	0		03/29/05										
IJ16041148	RCV: Gnd Jumpers (DC&IC)	0		03/29/05										
IJ16041150	RCV: Conduits for Linac penetrations, 4"ID	0		03/29/05										
IJ16041181	RCV: GP Patch System	0		03/29/05										
IJ16041182	RCV: Hardware for 24V Distribution	0		03/29/05										
IJ16041183	RCV: Power Supply for 24V Distribution	0		03/29/05										
IJ16041315	Integ Rack/Crate Mount Cntrls&Intra-Cables - S20	30	03/29/05	05/09/05										
IJ16041305	Integ Rack Mount Pwr Supplies&Intra Cables - S20	60	03/29/05	06/21/05										
IJ16041160	RCV: from Vendor - Single Bay Racks (DC/I&C)	0		03/30/05										
IJ16041170	RCV: from Vendor - Double Bay Racks	0		03/30/05										
IJ16041300	Integ Rack Rack HW & Internal AC Wiring - S20	12	03/31/05	04/15/05										
IJ16041320	Perform Pre-Install Testing Controls - S20	15	05/10/05	05/31/05										
IJ16041325	AVAIL:Preloaded Dbl Bay Racks Rdy to Insta - S20	0		05/31/05										

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.02.17 Injector Installation &amp; Alignment</b>																																																																
IJ17	INJECTOR INSTALLATION SUMMARY	1,004	08/03/04	07/31/08																																																												
<b>1.02.17.01 Injector Infrastructure Installation</b>																																																																
IJ17010006	Design Local Network	10	10/04/04	10/15/04																																																												
IJ17010012	ED&I Engineering, Develop Installation Plan	40	10/04/04	11/30/04																																																												
IJ1701	INJECTOR INFRASTRUCTURE INSTALL SUMMARY	270	10/04/04	10/28/05																																																												
IJ17010102	Engineering Support for Cable Plant	20	10/05/04	11/01/04																																																												
IJ17010103	UTR Support for Cable Plant	50	10/05/04	12/15/04																																																												
IJ17010020	Procure Alignment Parts	30	10/18/04	11/30/04																																																												
IJ17010007	Install Local Network	5	12/01/04	12/07/04																																																												
IJ17010008	Measure Network	20	12/08/04	01/07/05																																																												
IJ17010009	Re-Measure Network	20	01/10/05	02/07/05																																																												
IJ17010010	Evaluate Data	20	02/08/05	03/08/05																																																												
IJ17010011	Quality Control of Network	10	03/09/05	03/22/05																																																												
IJ17010030	Compute Layout Parameters	5	03/23/05	03/29/05																																																												
IJ17010025	Mark Floor Support Bolts	10	03/30/05	04/12/05																																																												
IJ17010015	Quality Control of Support Bolts	5	04/13/05	04/19/05																																																												
IJ17010017	Fiducialize Components	60	04/20/05	07/14/05																																																												
IJ17010100	REQD: All Inj InfraStruct Equip Ready for Instl	0		05/31/05																																																												
IJ17010135	Install Thermocouples (60)/Isoplanes	10	06/01/05	06/14/05																																																												
IJ17010110	Install Cableplant, Integ Cntrls&Pwr Conv Racks	42	06/01/05	07/29/05																																																												
IJ17010115	Install LCW systems	42	06/01/05	07/29/05																																																												
IJ17010023	Pre-Align Supports	5	07/15/05	07/21/05																																																												
IJ17010024	Align Gun	5	07/22/05	07/28/05																																																												
IJ17010026	Align Dipoles & Quads	20	07/29/05	08/25/05																																																												
IJ17010140	Align Systems	20	08/01/05	08/26/05																																																												
IJ17010027	Align Diagnostics	20	08/26/05	09/23/05																																																												

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.02.17.01 Injector Infrastructure Installation</b>																																																																
IJ17010028	QC of Gun, Dipoles, Quads, & Diagnostics	10	09/26/05	10/07/05																									■QC of Gun, Dipoles, Quads, & Diagnostics																																			
IJ17010145	Pump Down and Leak Check	15	10/10/05	10/28/05																									■Pump Down and Leak Check																																			
<b>1.02.17.02 Reserved</b>																																																																
IJ17020100	REQD: All Inj Controls Equip Ready for Instl	0		04/18/08																																					◆REQD: All Inj Controls Equip Ready for Ins																							
IJ17020105	Install Controls	20	04/21/08	05/16/08																																					■Install Controls																							
IJ1702	INJECTOR CONTROLS SUBSYS INSTALL SUMMARY	72	04/21/08	07/31/08																									■INJECTOR CONTROLS SUBSYS INSTALL SUMMARY																																			
IJ17020110	AVAIL: Controls Installed	0		05/16/08																																					◆AVAIL: Controls Installed																							
MS3_IJ070	Injector Controls Installed	0		07/31/08*																																					◆Injector Controls Installed																							
<b>1.02.17.03 Injector Lasers Install &amp; Align</b>																																																																
IJ17030108	REQD: Vertical optical paths	0		03/18/05																																					◆REQD: Vertical optical paths																							
IJ17030112	REQD: Laser Heater optical paths	0		03/18/05																																					◆REQD: Laser Heater optical paths																							
IJ1703	INJECTOR LASERS INSTALLATION SUMMARY	242	03/21/05	03/06/06																									■INJECTOR LASERS INSTALLATION SUMMARY																																			
IJ17030110	Install vertical optical paths	15	07/19/05	08/08/05																																					■Install vertical optical paths																							
IJ17030115	Install laser heater optical path	15	07/19/05	08/08/05																																					■Install laser heater optical path																							
MSB_300	Laser Tables & Optical Paths Installed	0		08/08/05																																					◆Laser Tables & Optical Paths Installed																							
IJ17030103	REQD:Laser Bay Opt Tables/Legs/Encls/Alignmt Lsr	0		11/30/05																																					◆REQD:Laser Bay Opt Tables/Legs/Encls/Alignmt Lsr																							
IJ17030105	Install Laser Bay Optical Tables/Alignment Laser	10	12/01/05	12/14/05																																					■Install Laser Bay Optical Tables/Alignment Laser																							
IJ17030122	REQD: Synch Light Tube/Light Path for Strk Cam	0		01/06/06																																					◆REQD: Synch Light Tube/Light Path for Strk Cam																							
IJ17030125	Install Synch Light Tube/Light Path for Strk Cam	15	01/09/06	01/30/06																																					■Install Synch Light Tube/Light Path for Strk Cam																							
IJ17030117	REQD: EO optical paths	0		02/10/06																																					◆REQD: EO optical paths																							
IJ17030120	Install EO optical paths	15	02/13/06	03/06/06																																					■Install EO optical paths																							
IJ17030130	AVAIL: Laser Tables & Optical Paths Installed	0		03/06/06																																					◆AVAIL: Laser Tables & Optical Paths Installed																							
<b>1.02.17.04 RF Gun &amp; Load Lock Install &amp; Align</b>																																																																
IJ17040060	REQD: Gun E-Spec Supt Assy Ready for Instl	0		10/01/04																																					◆REQD: Gun E-Spec Supt Assy Ready for Instl																							
IJ1704	RF GUN & LOAD LOCK INSTALLATION SUMMARY	713	10/04/04	08/03/07																									■RF GUN & LOAD LOCK																																			
IJ17040040	REQD: BPMs Supt Ready for Instl	0		12/01/04																																					◆REQD: BPMs Supt Ready for Instl																							

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04					FY05					FY06					FY07					FY08													
<b>1.02.17.04 RF Gun &amp; Load Lock Install &amp; Align</b>																																						
IJ17040000	REQD: RF Gun Support Assy Ready for Instl	0		01/12/05														♦																				
IJ17040030	REQD: Corrector Supt Assy Ready for Instl	0		03/15/05														♦																				
IJ17040135	Install Corrector Supt Assembly	5	03/16/05	03/22/05														█																				
IJ17040145	Install BPMs Supt Assy	5	03/16/05	03/22/05														█																				
IJ17040165	Install Gun E-Spect Support Assy	5	03/16/05	03/22/05														█																				
IJ17040105	Install RF Gun Support Assy	10	03/16/05	03/29/05														█																				
IJ17040050	REQD: Faraday Cups Supt Assy Ready for Instl	0		03/28/05														♦																				
IJ17040155	Install Faraday Cups Supt Assy	5	03/29/05	04/04/05														█																				
IJ17040055	REQD: Faraday Cups Assembly Ready for Instl	0		03/30/05														♦																				
IJ17040160	Install Faraday Cups Assy	5	03/31/05	04/06/05														█																				
IJ17040035	REQD: Corrector Assembly Ready for Instl	0		04/12/05														♦																				
IJ17040140	Install Corrector Assembly	5	04/13/05	04/19/05														█																				
IJ17040065	REQD: GS Dipoles Supt Assy Ready for Instl	0		04/15/05														♦																				
IJ17040175	Install Dipoles Supt Assembly Ready for Install	5	04/18/05	04/22/05														█																				
IJ17040045	REQD:BPMs Assembly Ready for Instl	0		06/13/05														♦																				
IJ17040150	Install BPMs Assy	5	06/14/05	06/20/05														█																				
IJ17040020	REQD: Gun Sol Support Ready for Instl	0		06/17/05														♦																				
IJ17040125	Install Gun Sol Support Assembly	5	06/20/05	06/24/05														█																				
IJ17040025	REQD: Gun Solenoid Ready for Instl	0		09/30/05														♦																				
IJ17040130	Install Gun Solenoid	5	10/03/05	10/07/05														█																				
IJ17040005	REQD: RF Gun Assembly Ready for Instl	0		10/31/05														♦																				
IJ17040110	Install RF Gun Assembly	5	11/01/05	11/07/05														█																				
IJ17040070	REQD: GS Dipole Assembly Ready for Instl	0		11/02/05														♦																				
IJ17040180	Install Dipoles Assembly	5	11/03/05	11/09/05														█																				
IJ17040121	AVAIL: RF Gun Installed & Aligned	0		11/09/05														♦																				
MSB_0305	RF Gun Installed & Aligned	0		01/31/06*														◆																				

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.02.17.04 RF Gun &amp; Load Lock Install &amp; Align</b>																																																																
IJ17040010	REQD: Load Lock Support Assy Ready for Instl	0		06/19/07																																																												
IJ17040115	Install Load Lock Support Assy	5	06/20/07	06/26/07																																																												
IJ17040015	REQD: Gun Load Lock Assy Ready for Instl	0		07/27/07																																																												
IJ17040120	Install Gun Load Lock Assembly	5	07/30/07	08/03/07																																																												
IJ17040122	AVAIL: Load Lock Installed & Aligned	0		08/03/07																																																												
<b>1.02.17.05 Gun to Linac Section (GTL) Install &amp; Align</b>																																																																
IJ17050130	Install GTL Steering Coils	5	10/04/04	10/08/04																																																												
IJ17050155	Install GS BPM (2)	5	10/04/04	10/08/04																																																												
IJ17050175	Install GS Dump Shielding	5	10/04/04	10/08/04																																																												
IJ17050125	Install GTL RF Phase Cavity	10	10/04/04	10/15/04																																																												
IJ1705	GUN to LINAC SECTION (GTL) INSTALLATION SUMMARY	332	10/04/04	01/31/06																																																												
IJ17050065	REQD: GS Quad Ready for Instl	0		02/14/05																																																												
IJ17050170	Install GS Quad (3)	5	02/15/05	02/22/05																																																												
IJ17050060	REQD: GS Quad Supports Ready for Instl	0		02/16/05																																																												
IJ17050165	Install GS Quad Supports (3)	5	02/17/05	02/24/05																																																												
IJ17050000	REQD: GTL BPMs Ready for Instl	0		03/18/05																																																												
IJ17050105	Install GTL BPMs	10	03/21/05	04/01/05																																																												
IJ17050145	Install GS Dipole	5	03/30/05	04/05/05																																																												
IJ17050055	REQD: GS Faraday Cup/YAG2 Ready for Instl	0		05/12/05																																																												
IJ17050160	Install GS Faraday Cup/YAG2	5	05/13/05	05/19/05																																																												
IJ17050010	REQD:GTL Current Montiors (CM1) Ready for Instl	0		06/03/05																																																												
IJ17050015	REQD: GTL E/O (EO1) BL Mon/Opt Tab Rdy for Instl	0		06/03/05																																																												
IJ17050050	REQD: GS Current Monitor (CM2) Ready for Instl	0		06/03/05																																																												
IJ17050115	Install GTL Current Monitors (CM1)	5	06/06/05	06/10/05																																																												
IJ17050120	Install GTL E/O (EO1) BL Monitor/Opt Tables	5	06/06/05	06/10/05																																																												
IJ17050150	Install GS Current Monitor (CM2)	5	06/06/05	06/10/05																																																												

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.02.17.05 Gun to Linac Section (GTL) Install &amp; Align</b>																																																																
IJ17050005	REQD:GTL YAG1 Ready for Instl	0		08/08/05																																																												
IJ17050110	Install GTL YAG1	5	08/09/05	08/15/05																																																												
IJ17050035	REQD: GS Supports Ready for Instl	0		11/01/05																																																												
IJ17050140	Install GS Supports	5	11/02/05	11/08/05																																																												
IJ17050181	AVAIL: GS Installed	0		11/08/05																																																												
IJ17050030	REQD: GTL Vacuum Components Ready for Instl	0		12/20/05																																																												
IJ17050135	Install GTL Vacuum Components	10	12/21/05	01/05/06																																																												
MS3_IJ075	GS Installed	0		12/30/05*																																																												
IJ17050180	AVAIL: GTL Installed	0		01/05/06																																																												
MS3_IJ080	GTL Installed	0		01/31/06*																																																												
<b>1.02.17.06 Injector Linac Structures Install &amp; Align</b>																																																																
IJ17060020	REQD: Loads Ready for Instl	0		10/01/04																																																												
IJ17060035	REQD: Plumbing Ready for Instl	0		10/01/04																																																												
IJ17060120	Install Loads	5	10/04/04	10/08/04																																																												
IJ17060135	Install Plumbing	25	10/04/04	11/05/04																																																												
IJ1706	INJECTOR LINAC STRUCTURES INSTALL SUMMARY	426	10/04/04	06/14/06																																																												
IJ17060005	REQD: Linac Supports Ready for Instl	0		04/12/05																																																												
IJ17060105	Install supports	20	04/13/05	05/10/05																																																												
IJ17060015	REQD: LO-2 Structure Ready for Instl	0		10/31/05																																																												
IJ17060115	Install LO-2 structure	5	11/01/05	11/07/05																																																												
IJ17060025	REQD:Linac Solenoid Support Ready for Instl	0		12/19/05																																																												
IJ17060125	Install Linac Solenoid Support	5	12/20/05	12/27/05																																																												
IJ17060030	REQD: Linac Solenoid Ready for Instl	0		12/30/05																																																												
IJ17060130	Install Linac Solenoid	10	01/03/06	01/17/06																																																												
IJ17060010	REQD: LO-1 Structure Ready for Instl	0		05/31/06																																																												
IJ17060110	Install LO-1 structure	5	06/01/06	06/07/06																																																												

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.02.17.06 Injector Linac Structures Install &amp; Align</b>																																																																
IJ17060111	AVAIL: LO-1 structures installed	5	06/08/06	06/14/06																																																												
<b>1.02.17.07 L0-1 to L0-2 Section (L0-1TL0-2) Install &amp; Align</b>																																																																
IJ17070021	REQD: Steering Coils Ready for Instl	0		03/14/05																																																												
IJ17070120	Install Steering Coil (4)	5	03/15/05	03/21/05																																																												
IJ1707	L0-1 to L0-2 Section (L0-1TL0-2) INSTALL SUMMARY	120	03/15/05	08/31/05																																																												
IJ17070016	REQD: BPMs Ready for Instl	0		04/12/05																																																												
IJ17070115	Install BPM (2)	5	04/13/05	04/19/05																																																												
IJ17070041	REQD: Tube Support Structure Ready for Instl	0		04/25/05																																																												
IJ17070100	REQD: RF Phase Cavity	0		04/25/05																																																												
IJ17070132	REQD: Current Monitor (1)	0		04/25/05																																																												
IJ17070105	Install RF Phase Cavity	5	04/26/05	05/02/05																																																												
IJ17070135	Install Current Monitor (1)	5	04/26/05	05/02/05																																																												
IJ17070140	Install tube support structure	5	04/26/05	05/02/05																																																												
IJ17070011	REQD: Quads Ready for Instl	0		06/06/05																																																												
IJ17070110	Install Quads	5	06/07/05	06/13/05																																																												
IJ17070031	REQD: Vacuum Components Ready for Instl	0		07/13/05																																																												
IJ17070130	Install Vacuum components	5	07/14/05	07/20/05																																																												
IJ17070026	REQD: YAG(1) Ready for Instl	0		07/18/05																																																												
IJ17070125	Install YAG (1)	5	07/19/05	07/25/05																																																												
IJ17070145	Final Alignment	5	07/26/05	08/01/05																																																												
IJ17070150	AVAIL: LO-1TLO-2 Installed	0		08/01/05																																																												
MS3_IJ085	LO-1TLO-2 Installed	0		08/31/05*																																																												
<b>1.02.17.08 Linac to DL1 (LTDL1) Install &amp; Align</b>																																																																
IJ17080005	REQD: Supts to VACV N Ready for Instl	0		05/02/05*																																																												
IJ17080110	Install supports to VACV N	5	05/03/05*	05/09/05																																																												
IJ17080105	LTDL1-North Summary	10	05/03/05	05/16/05																																																												



Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.02.17.08 Linac to DL1 (LTDL1) Install &amp; Align</b>					<b>LINAC TO DL1 INSTALL &amp; ALIGN SUMMARY</b>																																																											
IJ1708	LINAC TO DL1 INSTALL & ALIGN SUMMARY	253	05/03/05	05/03/06	◆ REQD: Quads Ready for Instl																																																											
IJ17080010	REQD: Quads Ready for Instl	0		05/23/05	◆ REQD: Current Monitors Ready for Instl																																																											
IJ17080115	Install Quads (4)	10	05/24/05	06/07/05	◆ REQD: PPS Stopper Ready for Instl																																																											
IJ17080025	REQD: Current Monitors Ready for Instl	0		05/31/05	◆ REQD: Quads Ready for Instl																																																											
IJ17080130	Install Current Monitors	5	06/01/05	06/07/05	◆ REQD: Steering Coils Ready for Instl																																																											
IJ17080035	REQD: PPS Stopper Ready for Instl	0		06/30/05	◆ REQD: OTRs Ready for Instl																																																											
IJ17080045	REQD: Quads Ready for Instl	0		06/30/05	◆ REQD: Current Monitor Rdy for Instl																																																											
IJ17080055	REQD: Steering Coils Ready for Instl	0		06/30/05	◆ AVAIL: LTDL1 Installed																																																											
IJ17080060	REQD: OTRs Ready for Instl	0		06/30/05	◆ REQD: BPMs Ready for Instl																																																											
IJ17080070	REQD: Current Monitor Rdy for Instl	0		06/30/05	◆ REQD: BPMs Ready for Instl																																																											
IJ17080132	Install Steering Coil (1)	5	07/01/05	07/08/05	◆ REQD: Supports Ready for Instl																																																											
IJ17082150	Install PPS Stopper	5	07/01/05	07/08/05	◆ LTDL1-South Summary																																																											
IJ17082160	Install Quads (2)	5	07/01/05	07/08/05	◆ Install supports																																																											
IJ17082170	Install Steering Coil (3)	5	07/01/05	07/08/05	◆ REQD: EO2 Ready for Instl																																																											
IJ17082175	Install OTR (2)	5	07/01/05	07/08/05																																																												
IJ17082185	Install Current Monitor	5	07/01/05	07/08/05																																																												
IJ17082190	AVAIL: LTDL1 Installed	0		07/08/05																																																												
IJ17080050	REQD: BPMs Ready for Instl	0		07/19/05																																																												
IJ17080065	REQD: BPMs Ready for Instl	0		07/19/05																																																												
IJ17080131	Install BPMs (4)	5	07/20/05	07/26/05																																																												
IJ17082165	Install BPM	5	07/20/05	07/26/05																																																												
IJ17082180	Install BPM (6)	5	07/20/05	07/26/05																																																												
IJ17080030	REQD: Supports Ready for Instl	0		09/02/05																																																												
IJ17082140	LTDL1-South Summary	5	09/06/05	09/12/05																																																												
IJ17082145	Install supports	5	09/06/05	09/12/05																																																												
IJ17080046	REQD: EO2 Ready for Instl	0		09/12/05																																																												

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04		FY05		FY06		FY07		FY08	
<b>1.02.17.08 Linac to DL1 (LTDL1) Install &amp; Align</b>														
IJ17080133	Install EO2	5	09/13/05	09/19/05										
IJ17080135	Final Alignment	10	09/20/05	10/03/05										
MS3_IJ090	LTDL1 Installed	0		09/30/05*										
IJ17080015	REQD:RF Kicker Ready for Instl	0		04/19/06										
IJ17080120	Install RF Kicker	10	04/20/06	05/03/06										
<b>1.02.17.09 Dog Leg 1 Bend (DL1) Install &amp; Align</b>														
IJ17090005	REQD: Supports Ready for Instl	0		07/31/06										
IJ17090010	REQD:Dipoles (B01-B02) Ready for Instl	0		07/31/06										
IJ17090020	REQD: Quads Ready for Instl	0		07/31/06										
IJ17090025	REQD: BPMs Ready for Instl	0		07/31/06										
IJ17090030	REQD: Steering Coils Ready for Instl	0		07/31/06										
IJ17090035	REQD: OTR Ready for Instl	0		07/31/06										
IJ17090040	REQD: Toroid Ready for Instl	0		07/31/06										
IJ17090055	REQD: DL1 Vacuum Chamber Ready for Instl	0		07/31/06										
IJ17090102	Install DL1 Vacuum Chamber	1	08/01/06	08/01/06										
IJ17090103	AVAIL: DL1 Vacuum Chamber installed	1	08/01/06	08/01/06										
IJ17090110	Install Dipoles (2) (B01-B02)	5	08/01/06	08/07/06										
IJ17090125	Install BPM (1)	5	08/01/06	08/07/06										
IJ17090130	Install Steering Coil (1)	5	08/01/06	08/07/06										
IJ17090135	Install OTR (1)	5	08/01/06	08/07/06										
IJ17090140	Install Toroid	5	08/01/06	08/07/06										
IJ17090120	Install Quads (3)	10	08/01/06	08/14/06										
IJ1709	DOG LEG 1 BEND (DL1) INSTALLATION SUMMARY	54	08/01/06	10/16/06										
IJ17090105	Install supports	10	08/02/06	08/15/06										
IJ17090155	Final Alignment	10	08/16/06	08/29/06										
MS3_IJ097	AVAIL: DL1 Installation Complete	0		10/16/06*										



Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08																							
<b>1.02.17.11 Straight Ahead Beamline (SAB) Install &amp; Align</b>																																																																												
IJ17110105	Install SAB Spectrometer Dipole	5	08/01/06	08/07/06	Install SAB Spectrometer Dipole																																																																							
IJ17110115	Install SAB Current Monitor (1)	5	08/01/06	08/07/06	Install SAB Current Monitor (1)																																																																							
IJ17110120	Install SAB BPM (1)	5	08/01/06	08/07/06	Install SAB BPM (1)																																																																							
IJ17110125	Install SAB OTR/YAG (1)	5	08/01/06	08/07/06	Install SAB OTR/YAG (1)																																																																							
IJ17110130	Install SAB Vacuum Chamber and Components	5	08/01/06	08/07/06	Install SAB Vacuum Chamber and Comp																																																																							
IJ17110141	Install Steering Coils (2)	5	08/01/06	08/07/06	Install Steering Coils (2)																																																																							
IJ17110110	Install SAB Quadrupoles (3)	10	08/01/06	08/14/06	Install SAB Quadrupoles (3)																																																																							
IJ17110135	Install SAB Beam Dump and Shielding	10	08/01/06	08/14/06	Install SAB Beam Dump and Shielding																																																																							
IJ17110140	Install SAB Supports	10	08/01/06	08/14/06	Install SAB Supports																																																																							
IJ1711	STRAIGHT AHEAD BEAMLINE (SAB) INSTALL SUMMARY	65	08/01/06	10/31/06	STRAIGHT AHEAD BEAMLINE (SAB)																																																																							
IJ17110145	Final Alignment	10	08/15/06	08/28/06	Final Alignment																																																																							
IJ17110150	AVAIL: SAB Installed	0		08/28/06	AVAIL: SAB Installed																																																																							
MS3_IJ105	SAB Installed	0		10/31/06*	SAB Installed																																																																							
<b>1.02.17.12 Injector RF Waveguide System Install &amp; Align</b>																																																																												
IJ17120000	REQD:Vertical Drop Waveguide Rdy to Install	0		06/30/05	REQD:Vertical Drop Waveguide Rdy to Install																																																																							
IJ17120005	Install Vertical Drop Waveguide	7	07/01/05	07/12/05	Install Vertical Drop Waveguide																																																																							
IJ1712	INJECTOR RF WAVEGUIDE INSTALLATION SUMMARY	279	07/01/05	08/09/06	INJECTOR RF WAVEGUIDE INSTALLATI																																																																							
IJ17120010	AVAIL: Vertical Drop Waveguide Installed	0		07/12/05	AVAIL: Vertical Drop Waveguide Installed																																																																							
IJ17120001	REQD:Klystron Housing Waveguide Rdy to Install	0		08/04/05	REQD:Klystron Housing Waveguide Rdy to Install																																																																							
IJ17120006	Install Klystron Housing Waveguide	7	08/05/05	08/15/05	Install Klystron Housing Waveguide																																																																							
IJ17120011	AVAIL: Klystron Housing Waveguide Installed	0		08/15/05	AVAIL: Klystron Housing Waveguide Installed																																																																							
IJ17120002	REQD:Injector Housing Waveguide Rdy to Install	0		09/20/05	REQD:Injector Housing Waveguide Rdy to Install																																																																							
IJ17120007	Install Injector Housing Waveguide	7	09/21/05	09/29/05	Install Injector Housing Waveguide																																																																							
IJ17120012	AVAIL: Injector Housing Waveguide Installed	0		09/29/05	AVAIL: Injector Housing Waveguide Installed																																																																							
IJ17120003	REQD:Transverse Kicker Waveguide Rdy to Install	0		07/31/06	REQD:Transverse Kicker Waveguide R																																																																							
IJ17120008	Install Transverse Kicker Waveguide	7	08/01/06	08/09/06	Install Transverse Kicker Waveguide																																																																							

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.02.17.12 Injector RF Waveguide System Install &amp; Align</b>																																																																
IJ17120013	AVAIL: Transverse Kicker Waveguide Installed	0		08/09/06																																																	◆ AVAIL: Transverse Kicker Waveguide I											
<b>1.02.17.13 Reserved</b>																																																																
IJ17130000	AVAIL: Injector RF Subsystem Installed	0		12/21/06																																																	◆ AVAIL: Injector RF Subsystem Installed											
IJ17130100	REQD: All Inj RF Subsys Equip Ready for Instl	0		12/21/06																																																	◆ REQD: All Inj RF Subsys Equip Ready for Ins											
IJ1713	INJECTOR RF SUBSYS INSTALLATION SUMMARY	26	12/22/06	01/31/07																																																	INJECTOR RF SUBSYS INSTALLATION SUMMAR											
MS3_IJ110	Injector RF Subsystem Installed	0		01/31/07*																																																	◆ Injector RF Subsystem Installed											
<b>1.02.17.14 Cathode and Load Lock Install &amp; Align</b>																																																																
IJ17140020	REQD: CP Lab Ready for Instl	0		03/08/05																																																	◆ REQD: CP Lab Ready for Instl											
IJ17140125	Install CP Lab Infrastructure	15	03/09/05	03/29/05																																																	■ Install CP Lab Infrastructure											
IJ1714	CATHODE AND LOAD LOCK INSTALLATION SUMMARY	376	03/09/05	08/31/06																																																	CATHODE AND LOAD LOCK INSTALLA											
IJ17140005	REQD: CP Load Lock Supts Ready for Instl	0		06/09/05																																																	◆ REQD: CP Load Lock Supts Ready for Instl											
IJ17140110	Install CP Load Lock Supports Ready for Install	15	06/10/05	06/30/05																																																	■ Install CP Load Lock Supports Ready for Install											
IJ17140000	REQD: Cathode Assy Ready for Instl	0		09/09/05																																																	◆ REQD: Cathode Assy Ready for Instl											
IJ17140105	Install CP Cathode Assembly	15	09/12/05	09/30/05																																																	■ Install CP Cathode Assembly											
IJ17140010	REQD: CP Load Lock Ready for Instl	0		01/31/06																																																	◆ REQD: CP Load Lock Ready for Instl											
IJ17140115	Install CP Load Lock	15	02/01/06	02/22/06																																																	■ Install CP Load Lock											
IJ17140015	REQD: CP Station Ready for Instl	0		06/13/06																																																	◆ REQD: CP Station Ready for Instl											
IJ17140120	Install CP Station	15	06/14/06	07/05/06																																																	■ Install CP Station											
IJ17140130	AVAIL: CP Station Installed	0		07/05/06																																																	◆ AVAIL: CP Station Installed											
MS3_IJ115	CP Station Installed	0		08/31/06*																																																	◆ CP Station Installed											
<b>1.02.17.15 Injector Laser Heater Subsystem Install &amp; Align</b>																																																																
IJ17150010	REQD: Photon Diag Supports Ready for Instl	0		05/30/06																																																	◆ REQD: Photon Diag Supports Ready for In											
IJ17150015	REQD: Beampipe Ready for Instl	0		05/30/06																																																	◆ REQD: Beampipe Ready for Instl											
IJ17150120	Install Beampipe	10	05/31/06	06/13/06																																																	■ Install Beampipe											
IJ1715	INJECTOR LASER HEATER SUBSYS INSTALL SUMMARY	366	05/31/06	11/08/07																																																	INJECTOR LASE											
IJ17150020	REQD: Undulator Ready for Instl	0		03/30/07																																																	◆ REQD: Undulator Ready for Instl											

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04				FY05				FY06				FY07				FY08				
<b>1.02.17.15 Injector Laser Heater Subsystem Install &amp; Align</b>																									
IJ17150125	Install Undulator	15	04/02/07	04/20/07																					
IJ17150130	AVAIL: Laser Heater Installed	0		04/20/07																					
MS3_IJ120	Laser Heater Installed	0		06/29/07*																					
IJ17150005	REQD:Magnet Supports Ready for Instl	0		08/21/07																					
IJ17150110	Install Magnet Supports	10	08/22/07	09/05/07																					
IJ17150115	Install Photon Diagnostics Supports	5	09/06/07	09/12/07																					
IJ17150116	AVAIL: Photon Diagnostics Supports Installed	0		09/12/07																					
IJ17150000	REQD: Enclosures,Tubes&Supports Ready for Instl	0		10/25/07																					
IJ17150105	Install Enclosures,Tubes&Supports	10	10/26/07	11/08/07																					
IJ17150106	AVAIL: Enclosures,Tubes&Supports Installed	0		11/08/07																					
<b>1.02.17.16 Reserved</b>																									
IJ17160000	REQD: Convention Facilities Shield Wall Complete	0		08/02/04*																					
IJ1716	FY04 SECTOR 20 FACILITY PREPS SUMMARY	0	08/03/04	08/02/04																					
<b>1.02.17.17 Power Conversion Subsystem Installation</b>																									
IJ17170000	REQD: Injector MCOR 1	0		07/20/05																					
IJ17170010	REQD: Injector MCOR 2	0		07/20/05																					
IJ17170020	REQD: Injector MCOR 3	0		07/20/05																					
IJ17170030	REQD: Injector MCOR 4	0		07/20/05																					
IJ17170040	REQD: Wiggler PS 15KW	0		07/20/05																					
IJ17170050	REQD: Injector Solenoid 1PS 15KW	0		07/20/05																					
IJ17170060	REQD: Injector Solenoid 2PS 30KW	0		07/20/05																					
IJ17170070	REQD: Injector B0.5 Spect PS 2KW	0		07/20/05																					
IJ17170080	REQD: Injector B1-2 PS 15KW	0		07/20/05																					
IJ17170090	REQD: Injector B3 Spect PS 15KW	0		07/20/05																					
IJ17170005	Install Injector MCOR 1	5	07/21/05	07/27/05																					
IJ17170015	Install Injector MCOR 2	5	07/21/05	07/27/05																					

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.02.17.17 Power Conversion Subsystem Installation</b>																																																																
IJ17170025	Install Injector MCOR 3	5	07/21/05	07/27/05																									Install Injector MCOR 3																																			
IJ17170035	Install Injector MCOR 4	5	07/21/05	07/27/05																									Install Injector MCOR 4																																			
IJ17170045	Install Wiggler PS 15KW	5	07/21/05	07/27/05																									Install Wiggler PS 15KW																																			
IJ17170055	Install Injector Solenoid 1PS 15KW	5	07/21/05	07/27/05																									Install Injector Solenoid 1PS 15KW																																			
IJ17170065	Install Injector Solenoid 2PS 30KW	5	07/21/05	07/27/05																									Install Injector Solenoid 2PS 30KW																																			
IJ17170075	Install Injector B0.5 Spect PS 2KW	5	07/21/05	07/27/05																									Install Injector B0.5 Spect PS 2KW																																			
IJ17170085	Install Injector B1-2 PS 15KW	5	07/21/05	07/27/05																									Install Injector B1-2 PS 15KW																																			
IJ17170095	Install Injector B3 Spect PS 15KW	5	07/21/05	07/27/05																									Install Injector B3 Spect PS 15KW																																			
IJ1717	POWER CONVERSION SUBSYSTEM INSTALL SUMMARY	213	07/21/05	05/24/06																									POWER CONVERSION SUBSYSTEM INSTAL																																			
IJ17170120	REQD: Laser Room PPS	0		08/15/05																									◆ REQD: Laser Room PPS																																			
IJ17170125	Install Laser Room PPS	5	08/16/05	08/22/05																									Install Laser Room PPS																																			
IJ17170110	REQD: Injector PPS Equipment	0		03/27/06																									◆ REQD: Injector PPS Equipment																																			
IJ17170115	Install Injector PPS Equipment	5	03/28/06	04/03/06																									Install Injector PPS Equipment																																			
IJ17170100	REQD: Injector MPS Equipment	0		05/17/06																									◆ REQD: Injector MPS Equipment																																			
IJ17170105	Install Injector MPS Equipment	5	05/18/06	05/24/06																									Install Injector MPS Equipment																																			
IJ17170122	AVAIL: Power Conversion System Installed	0		05/24/06																									◆ AVAIL: Power Conversion System Installed																																			
<b>1.03 LINAC SYSTEM</b>																																																																
LNMS_0000	Begin Development of Project Baseline Range	0	08/01/03A																																																													
LNMS_0300	System Design Reviews Complete - L02	0		01/18/05																									◆ System Design Reviews Complete - L02																																			
LNMS_0400	System Design Reviews Complete - BC2	0		01/18/05																									◆ System Design Reviews Complete - BC2																																			
LNMS_0500	System Design Reviews Complete - L03	0		01/18/05																									◆ System Design Reviews Complete - L03																																			
LNMS_0600	System Design Reviews Complete - LTU	0		01/18/05																									◆ System Design Reviews Complete - LTU																																			
LNMS_0700	System Design Reviews Complete - E-Dump	0		01/18/05																									◆ System Design Reviews Complete - E-Dump																																			
LNMS_0100	System Design Reviews Complete - L01	0		01/19/05																									◆ System Design Reviews Complete - L01																																			
LNMS_0200	System Design Reviews Complete - BC1	0		01/19/05																									◆ System Design Reviews Complete - BC1																																			
LNMS_0120	System Component Subcontracts Awarded - L01	0		10/03/05*																									◆ System Component Subcontracts Awarded - L01																																			

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.03 LINAC SYSTEM</b>																																																																
LNMS_0220	System Component Subcontracts Awarded - BC1	0		10/03/05*																																																	◆ System Component Subcontracts Awarded - BC1											
LNMS_0320	System Component Subcontracts Awarded - L02	0		10/03/05*																																																	◆ System Component Subcontracts Awarded - L02											
LNMS_0420	System Component Subcontracts Awarded - BC2	0		10/03/05*																																																	◆ System Component Subcontracts Awarded - BC2											
LNMS_0520	System Component Subcontracts Awarded - L03	0		10/03/05*																																																	◆ System Component Subcontracts Awarded - L03											
LNMS_0620	System Component Subcontracts Awarded - LTU	0		10/03/05*																																																	◆ System Component Subcontracts Awarded - LTU											
LNMS_0720	System Component Subcontracts Awarded - E-Dump	0		10/03/05*																																																	◆ System Component Subcontracts Awarded - E-Dump											
MSB_090	Shutdown of FFTB Operations	0	06/01/06*																																																		◆ Shutdown of FFTB Operations											
LNMS_0140	Ready to Begin Component Installation - L01	0	08/01/06																																																		◆ Ready to Begin Component Installation											
LNMS_0240	Ready to Begin Component Installation - BC1	0	08/01/06																																																		◆ Ready to Begin Component Installation											
LNMS_0260	Component Installation Completed - BC1	0		10/13/06																																																	Component Installation Completed - BC◆											
MS3_LN000	Component Installation Completed - L01	0		10/31/06*																																																	Component Installation Completed - L0◆											
MS3_LN005	Component Installation Completed - BC1	0		10/31/06*																																																	Component Installation Completed - BC◆											
LNMS_0740	Ready to Begin Component Installation - E-Dump	0	04/20/07																																																		Ready to Begin Component Installation - E-Dum◆											
MSB_320	Linac Accelerator Readiness Review (ARR) Comp	0		05/31/07*																																																	Linac Accelerator Readiness Review (ARR) Com◆											
LNMS_0340	Ready to Begin Component Installation - L02	0	07/02/07																																																		Ready to Begin Component Installation - L0◆											
LNMS_0440	Ready to Begin Component Installation - BC2	0	07/02/07																																																		Ready to Begin Component Installation - BC◆											
LNMS_0540	Ready to Begin Component Installation - L03	0	07/02/07																																																		Ready to Begin Component Installation - L0◆											
LNMS_0640	Ready to Begin Component Installation - LTU	0	07/03/07																																																		Ready to Begin Component Installation - LT◆											
LNMS_0360	Component Installation Completed - L02	0		09/14/07																																																	Component Installation Completed - L0◆											
LNMS_0560	Component Installation Completed - L03	0		09/27/07																																																	Component Installation Completed - L0◆											
MS3_LN010	System Commissioning Completed - L01	0		09/28/07*																																																	System Commissioning Completed - L0◆											
MS3_LN015	Component Installation Completed - L02	0		09/28/07*																																																	Component Installation Completed - L0◆											
MS3_LN020	Component Installation Completed - BC2	0		09/28/07*																																																	Component Installation Completed - BC◆											
MS3_LN025	Component Installation Completed - L03	0		09/28/07*																																																	Component Installation Completed - L0◆											
MSB_150	Start BC1 Commissioning	0	09/28/07*																																																		Start BC1 Commissioning◆											
MS3_LN030	System Commissioning Completed - BC1	0		12/27/07*																																																	System Commissioning Completed - BC◆											



Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.03 LINAC SYSTEM</b>																																																																
MS3_LN035	Component Installation Completed - LTU	0		12/27/07*																									Component Installation Completed - LTU																																			
MSB_155	Start BC2 Commissioning	0	01/31/08*																																						Start BC2 Commissioning																							
MSB_160	Start LTU Commissioning	0	04/15/08*																																						Start LTU Commissioning																							
MS3_LN040	System Commissioning Completed - L02	0		04/30/08*																																					System Commissioning Completed - L02																							
MS3_LN045	System Commissioning Completed - BC2	0		04/30/08*																																					System Commissioning Completed - BC2																							
MS3_LN050	System Commissioning Completed - L03	0		05/30/08*																																					System Commissioning Completed - L03																							
MS3_LN052	First Beam into Undulator	0	05/30/08*																																						First Beam into Undulator																							
MS3_LN055	Component Installation Completed - E-Dump	0		05/30/08*																																					Component Installation Completed - E-Dump																							
MS3_LN060	System Commissioning Completed - LTU	0		07/31/08*																																					System Commissioning Completed - LTU																							
MSB_170	Start Beam Dump Commissioning	0	08/01/08*																																						Start Beam Dump Commissioning																							
MS3_LN065	System Commissioning Completed - E-Dump	0		08/29/08*																																					System Commissioning Completed - E-Dump																							
LN_LOE	Linac LOE Complete	0		09/30/08																																																	Linac LOE Complete											
<b>1.03.01 System Management &amp; Integration</b>																																																																
<b>1.03.01.01 Linac Mechanical Integration</b>																																																																
<b>1.03.01.01.01 L01 System Integration</b>																																																																
LN01010102	Define CF Requirements for L01	21	04/01/03A	06/30/03A																																																												
LN01010100	L01 SYSTEM SUMMARY	1,367	04/01/03A	09/11/08																																																												
LN01010104	Receive Requirements - L01	5	01/12/04A	01/16/04A																																																												
LN01010112	Generate Removal Document List - L01	5	01/20/04A	01/26/04A																																																												
LN01010106	Review & Accept Requirements - L01	5	01/20/04A	03/05/04A																																																												
LN01010110	Model S-Band Reconfiguration - L01	21	04/01/04A	04/30/04A																																					Model S-Band Reconfiguration - L01																							
LN01010114	Collect System Component Designs	10	04/01/04A	06/30/04A																																					Collect System Component Designs																							
LN01010120	Revise Linac Sector Schematic	10	04/01/04A	06/30/04A																																					Revise Linac Sector Schematic																							
LN01010116	Define/ Develop L01 System Assembly Model	95*	04/01/04A	08/13/04																																					Define/ Develop L01 System Assembly Model																							
LN01010108	Write System ICD - L01	5	08/16/04	08/20/04																																					Write System ICD - L01																							
LN01010122	Make Linac Vacuum Schematic	5	08/16/04	08/20/04																																					Make Linac Vacuum Schematic																							

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.03.01.01.01 L01 System Integration</b>																																																																
LN01010117	AVAIL: System Reqmts for L01 Component Designs	0		08/20/04																																																												
LN01010124	Prepare for PDR - L01	3	08/23/04	08/25/04																																																												
LN01010118	Write Installation Plan - L01	5	08/23/04	08/27/04																																																												
LN01010126	Conduct L01 System PDR	2	08/26/04	08/27/04																																																												
LN01010128	Generate Detailed Procurement Plan	1	08/30/04	08/30/04																																																												
LN01010130	Create RF Cold Test Plan	3	08/31/04	09/02/04																																																												
LN01010132	Establish Subordinate Work Orders	1	09/03/04	09/03/04																																																												
LN01010140	L01 System PED Support to Components	246	10/04/04	09/26/05																																																												
LN01010134	Prepare for FDR - L01	3	01/12/05	01/14/05																																																												
LN01010136	Conduct L01 System FDR	2	01/18/05	01/19/05																																																												
LN01010138	COMP: L01 System Design	0		01/19/05																																																												
LN01010139	Document System Assembly Model - L01	20	05/04/05	06/01/05																																																												
LN01010142	L01 System CONST Support to Components	740	10/03/05	09/11/08																																																												
<b>1.03.01.01.02 BC1 System Integration</b>																																																																
LN01010202	Define CF Requirements for BC1	21	04/01/03A	06/30/03A																																																												
LN01010200	BC1 SYSTEM SUMMARY	1,367	04/01/03A	09/11/08																																																												
LN01010204	Receive Requirements - BC1	5	01/12/04A	01/16/04A																																																												
LN01010212	Generate Removal Document List - BC1	5	01/20/04A	01/26/04A																																																												
LN01010206	Review & Accept Requirements - BC1	5	01/20/04A	03/05/04A																																																												
LN01010210	Model S-Band Reconfiguration - BC1	21	04/01/04A	04/30/04A																																																												
LN01010214	Collect System Component Designs	10	04/01/04A	06/30/04A																																																												
LN01010220	Revise Linac Sector Schematic	10	04/01/04A	06/30/04A																																																												
LN01010216	Define/Develop BC1 System Assembly Model	100*	04/01/04A	08/20/04																																																												
LN01010222	Make Linac Vacuum Schematic	5	08/23/04	08/27/04																																																												
LN01010208	Write System ICD - BC1	10	08/23/04*	09/03/04																																																												
LN01010224	Prepare for PDR - BC1	3	08/30/04	09/01/04																																																												

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.03.01.01.02 BC1 System Integration</b>																																																																
LN01010226	Conduct BC1 System PDR	2	09/02/04	09/03/04																																																												
LN01010217	AVAIL: System Reqmts for BC1 Component Designs	0		09/03/04																																																												
LN01010228	Generate Detailed Procurement Plan	1	09/07/04	09/07/04																																																												
LN01010218	Write Installation Plan - BC1	5	09/07/04	09/13/04																																																												
LN01010230	Create Cold Test Plan	3	09/08/04	09/10/04																																																												
LN01010232	Establish Subordinate Work Orders	1	09/13/04	09/13/04																																																												
LN01010240	BC1 System PED Support to Components	246	10/04/04	09/26/05																																																												
LN01010234	Prepare for FDR - BC1	3	01/12/05	01/14/05																																																												
LN01010236	Conduct BC1 System FDR	2	01/18/05	01/19/05																																																												
LN01010238	COMP: BC1 System Design	0		01/19/05																																																												
LN01010239	Document System Assembly Model - BC1	20	06/02/05	06/29/05																																																												
LN01010242	BC1 System CONST Support to Components	740	10/03/05	09/11/08																																																												
<b>1.03.01.01.03 L02 System Integration</b>																																																																
LN01010302	Define CF Requirements for L02	21	04/01/03A	06/30/03A																																																												
LN01010300	L02 SYSTEM SUMMARY	1,367	04/01/03A	09/11/08																																																												
LN01010304	Receive Requirements - L02	5	01/12/04A	01/16/04A																																																												
LN01010312	Generate Removal Document List - L02	3	01/20/04A	01/22/04A																																																												
LN01010306	Review & Accept Requirements - L02	5	01/20/04A	03/05/04A																																																												
LN01010310	Model S-Band Reconfiguration - L02	15	04/01/04A	04/30/04A																																																												
LN01010316	Define/Develop L02 System Assembly Model - FY04	108	04/01/04A	05/28/04A																																																												
LN01010314	Collect System Component Designs	5	04/01/04A	06/30/04A																																																												
LN01010320	Revise Linac Sector Schematic	5	06/01/04A	06/30/04A																																																												
LN0101_316	Define/Develop L02 System Assembly Model - FY05	60*	06/01/04A	08/24/04																																																												
LN01010308	Write System ICD - L02	5	09/07/04	09/13/04																																																												
LN01010317	AVAIL: System Reqmts for L02 Component Designs	0		09/13/04																																																												
LN01010318	Write Installation Plan - L02	3	10/04/04	10/06/04																																																												

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.03.01.01.03 L02 System Integration</b>																																																																
LN01010340	L02 System PED Support to Components	250*	10/04/04	09/30/05																																																												
LN01010322	Make Linac Vacuum Schematic	5	10/07/04	10/13/04																																																												
LN01010324	Prepare for PDR - L02	3	10/14/04	10/18/04																																																												
LN01010326	Conduct L02 System PDR	1	10/19/04	10/19/04																																																												
LN01010328	Generate Detailed Procurement Plan	1	10/20/04	10/20/04																																																												
LN01010330	Create Cold Test Plan	3	10/21/04	10/25/04																																																												
LN01010332	Establish Subordinate Work Orders	1	10/26/04	10/26/04																																																												
LN01010334	Prepare for FDR - L02	3	01/12/05	01/14/05																																																												
LN01010336	Conduct L02 System FDR	1	01/18/05	01/18/05																																																												
LN01010338	COMP: L02 System Design	0		01/18/05																																																												
LN01010339	Document System Assembly Model - L02	20	06/30/05	07/28/05																																																												
LN01010342	L02 System CONST Support to Components	740	10/03/05	09/11/08																																																												
<b>1.03.01.01.04 BC2 System Integration</b>																																																																
LN01010402	Define CF Requirements for BC2	21	04/01/03A	06/30/03A																																																												
LN01010400	BC2 SYSTEM SUMMARY	1,367	04/01/03A	09/11/08																																																												
LN01010404	Receive Requirements - BC2	5	01/12/04A	01/16/04A																																																												
LN01010412	Generate Removal Document List - BC2	3	01/20/04A	01/22/04A																																																												
LN01010406	Review & Accept Requirements - BC2	5	01/20/04A	03/05/04A																																																												
LN01010410	Model S-Band Reconfiguration - BC2	10	04/01/04A	04/30/04A																																																												
LN01010416	Define/Develop BC2 System Assembly Model - FY04	111	04/01/04A	05/28/04A																																																												
LN01010414	Collect System Component Designs	5	04/01/04A	06/30/04A																																																												
LN01010420	Revise Linac Sector Schematic	4	06/01/04A	06/30/04A																																																												
LN0101_416	Define/Develop BC2 System Assembly Model - FY04a	60*	06/07/04A	08/30/04																																																												
LN01010408	Write System ICD - BC2	5	10/04/04	10/08/04																																																												
LN01010417	AVAIL: System Reqmts for BC2 Component Designs	0		10/08/04																																																												
LN01010418	Write Installation Plan - BC2	5	10/11/04	10/15/04																																																												

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.03.01.01.04 BC2 System Integration</b>																																																																
LN01010440	BC2 System PED Support to Components	245*	10/11/04	09/30/05																																																												
LN01010422	Make Linac Vacuum Schematic	4	10/18/04	10/21/04																																																												
LN01010424	Prepare for PDR - BC2	3	10/22/04	10/26/04																																																												
LN01010426	Conduct BC2 System PDR	1	10/27/04	10/27/04																																																												
LN01010428	Generate Detailed Procurement Plan	1	10/28/04	10/28/04																																																												
LN01010430	Create Cold Test Plan	3	10/29/04	11/02/04																																																												
LN01010432	Establish Subordinate Work Orders	1	11/03/04	11/03/04																																																												
LN01010434	Prepare for FDR - BC2	3	01/12/05	01/14/05																																																												
LN01010436	Conduct BC2 System FDR	1	01/18/05	01/18/05																																																												
LN01010438	COMP: BC2 System Design	0		01/18/05																																																												
LN01010439	Document System Assembly Model - BC2	20	08/02/05	08/29/05																																																												
LN01010442	BC2 System CONST Support to Components	740	10/03/05	09/11/08																																																												
<b>1.03.01.01.05 L03 System Integration</b>																																																																
LN01010502	Define CF Requirements for L03	21	04/01/03A	06/30/03A																																																												
LN01010500	L03 SYSTEM SUMMARY	1,367	04/01/03A	09/11/08																																																												
LN01010504	Receive Requirements - L03	5	01/12/04A	01/16/04A																																																												
LN01010512	Generate Removal Document List - L03	2	01/20/04A	01/21/04A																																																												
LN01010506	Review & Accept Requirements - L03	5	01/20/04A	03/05/04A																																																												
LN01010510	Model S-Band Reconfiguration - L03	10	04/01/04A	04/30/04A																																																												
LN01010516	Define/Develop L03 System Assembly Model - FY04	117	04/01/04A	05/28/04A																																																												
LN01010514	Collect System Component Designs	5	04/01/04A	06/30/04A																																																												
LN01010520	Revise Linac Sector Schematic	5	06/01/04A	06/30/04A																																																												
LN0101_516	Define/Develop L03 System Assembly Model - FY04a	60*	06/07/04A	08/30/04																																																												
LN01010508	Write System ICD - L03	5	10/11/04	10/15/04																																																												
LN01010517	AVAIL: System Reqmts for L03 Component Designs	0		10/15/04																																																												
LN01010518	Write Installation Plan - L03	3	10/18/04	10/20/04																																																												

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.03.01.01.05 L03 System Integration</b>																																																																
LN01010540	L03 System PED Support to Components	240*	10/18/04	09/30/05													■ L03 System PED Support to Components																																															
LN01010522	Make Linac Vacuum Schematic	5	10/21/04	10/27/04													■ Make Linac Vacuum Schematic																																															
LN01010524	Prepare for PDR - L03	3	10/28/04	11/01/04													■ Prepare for PDR - L03																																															
LN01010526	Conduct L03 System PDR	1	11/02/04	11/02/04													■ Conduct L03 System PDR																																															
LN01010528	Generate Detailed Procurement Plan	1	11/03/04	11/03/04													■ Generate Detailed Procurement Plan																																															
LN01010530	Create Cold Test Plan	2	11/04/04	11/05/04													■ Create Cold Test Plan																																															
LN01010532	Establish Subordinate Work Orders	1	11/08/04	11/08/04													■ Establish Subordinate Work Orders																																															
LN01010534	Prepare for FDR - L03	3	01/12/05	01/14/05													■ Prepare for FDR - L03																																															
LN01010536	Conduct L03 System FDR	1	01/18/05	01/18/05													■ Conduct L03 System FDR																																															
LN01010538	COMP: L03 System Design	0		01/18/05													◆ COMP: L03 System Design																																															
LN01010539	Document System Assembly Model - L03	20	08/30/05	09/27/05													■ Document System Assembly Model - L03																																															
LN01010542	L03 System CONST Support to Components	740	10/03/05	09/11/08													■ L03 System CONST Support to Components																																															
<b>1.03.01.01.06 LTU System Integration</b>																																																																
LN01010602	Define CF Requirements for LTU	21	04/01/03A	06/30/03A																																																												
LN01010600	LTU SYSTEM SUMMARY	1,367	04/01/03A	09/11/08													■ LTU SYSTEM SUMMARY																																															
LN01010604	Receive Requirements - LTU	5	11/17/03A	03/05/04A																																																												
LN01010606	Review & Accept Requirements - LTU	5	11/17/03A	03/05/04A																																																												
LN01010616	Define/Develop LTU System Assembly Model _FY04	80	12/01/03A	05/28/04A													■ Define/Develop LTU System Assembly Model _FY04																																															
LN01010614	Collect System Component Designs	5	02/01/04A	06/30/04A													■ Collect System Component Designs																																															
LN01010620	Create LTU Schematic	5	04/01/04A	06/02/04													■ Create LTU Schematic																																															
LN01010622	Create LTU Vacuum Schematic	5	04/01/04A	06/02/04													■ Create LTU Vacuum Schematic																																															
LN01010630	Create Test Plan	80*	05/10/04A	08/31/04													■ Create Test Plan																																															
LN01010612	Generate Removal Document List - FFTB to LT	2	06/01/04	06/02/04													■ Generate Removal Document List - FFTB to LT																																															
LN01010632	Establish Subordinate Work Orders	1	09/01/04	09/01/04													■ Establish Subordinate Work Orders																																															
LN01010624	Prepare for PDR - LTU	3	10/04/04	10/06/04													■ Prepare for PDR - LTU																																															
LN0101_616	Define/Develop LTU System Assembly Model - FY05	50	10/04/04	12/14/04													■ Define/Develop LTU System Assembly Model - FY05																																															

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.03.01.01.06 LTU System Integration</b>																																																																
LN01010626	Conduct LTU System PDR	1	10/07/04	10/07/04																																																												
LN01010628	Generate Detailed Procurement Plan	1	10/08/04	10/08/04																																																												
LN01010608	Write System ICD - L03	10	10/18/04	10/29/04																																																												
LN01010617	AVAIL: System Reqmts for LTU Component Designs	0		12/14/04																																																												
LN01010618	Write Installation Plan - LTU	3	12/15/04	12/17/04																																																												
LN01010640	LTU System PED Support to Components	200*	12/15/04	09/30/05																																																												
LN01010634	Prepare for FDR - LTU	3	01/12/05	01/14/05																																																												
LN01010636	Conduct LTU System FDR	1	01/18/05	01/18/05																																																												
LN01010638	COMP: LTU System Design	0		01/18/05																																																												
LN01010642	LTU System CONST Support to Components	740	10/03/05	09/11/08																																																												
<b>1.03.01.01.07 E-Dump System Integration</b>																																																																
LN01010702	Define CF Requirements for E-Dump	21	04/01/03A	06/30/03A																																																												
LN01010700	E-DUMP SYSTEM SUMMARY	1,367	04/01/03A	09/11/08																																																												
LN01010704	Receive Requirements - E-Dump	5	12/01/03A	03/05/04A																																																												
LN01010706	Review & Accept Requirements -E-Dump	5	12/01/03A	03/05/04A																																																												
LN01010716	Define/Develop E-Dump System Assy Model - FY04	72	04/01/04A	05/28/04A																																																												
LN01010714	Collect System Component Designs	5	04/01/04A	06/30/04A																																																												
LN01010722	Create E-Dump Vacuum Schematic	53*	04/01/04A	06/15/04																																																												
LN01010724	Prepare for PDR - E-Dump	3	10/04/04	10/06/04																																																												
LN0101_716	Define/Develop E-Dump System Assy Model - FY05	30	10/04/04	11/12/04																																																												
LN01010726	Conduct E-Dump System PDR	1	10/07/04	10/07/04																																																												
LN01010728	Generate Detailed Procurement Plan	1	10/08/04	10/08/04																																																												
LN01010730	Create Test Plan	2	10/11/04	10/12/04																																																												
LN01010732	Establish Subordinate Work Orders	1	10/13/04	10/13/04																																																												
LN01010708	Write System ICD - E-Dump	10	12/15/04	12/30/04																																																												
LN01010717	AVAIL: System Reqmts for E Dmp Component Designs	0		12/30/04																																																												

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.03.01.01.07 E-Dump System Integration</b>																																																																
LN01010718	Write Installation Plan - E-Dump	3	01/03/05	01/05/05																																																												
LN01010740	E-Dump System PED Support to Components	190*	01/03/05	09/30/05																																																												
LN01010734	Prepare for FDR - E-Dump	3	01/12/05	01/14/05																																																												
LN01010736	Conduct E-Dump System FDR	1	01/18/05	01/18/05																																																												
LN01010738	COMP: E-Dump System Design	0		01/18/05																																																												
LN01010742	E-Dump System CONST Support to Components	740	10/03/05	09/11/08																																																												
<b>1.03.01.03 Travel</b>																																																																
LN0103A01	Travel - PED	41	05/03/04A	06/14/04																																																												
LN0103A02	Travel - PED	41	06/15/04	08/11/04																																																												
LN0103A03	Travel - PED	41	08/12/04	10/08/04																																																												
LN0103A04	Travel - PED	41	10/04/04	12/01/04																																																												
LN0103A05	Travel - PED	41	12/02/04	02/02/05																																																												
LN0103A06	Travel - PED	41	02/03/05	04/01/05																																																												
LN0103A07	Travel - PED	41	04/04/05	05/31/05																																																												
LN0103A08	Travel - PED	41	06/01/05	07/28/05																																																												
LN0103A09	Travel - PED	41	07/29/05	09/26/05																																																												
LN0103B01	Travel - CONST	41	10/03/05	11/30/05																																																												
LN0103B02	Travel - CONST	41	12/01/05	01/31/06																																																												
LN0103B03	Travel - CONST	41	02/01/06	03/30/06																																																												
LN0103B04	Travel - CONST	41	03/31/06	05/26/06																																																												
LN0103B05	Travel - CONST	41	05/30/06	07/26/06																																																												
LN0103B06	Travel - CONST	41	07/27/06	09/22/06																																																												
LN0103B07	Travel - CONST	41	10/03/06	11/30/06																																																												
LN0103B08	Travel - CONST	41	12/01/06	01/31/07																																																												
LN0103B09	Travel - CONST	41	02/01/07	03/30/07																																																												
LN0103B10	Travel - CONST	41	04/02/07	05/29/07																																																												



Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.03.01.03 Travel</b>																																																																
LN0103B11	Travel - CONST	41	05/30/07	07/26/07																																																	Travel - CONST											
LN0103B12	Travel - CONST	41	07/27/07	09/24/07																																																	Travel - CONST											
LN0103B13	Travel - CONST	41	10/02/07	11/29/07																																																	Travel - CONST											
LN0103B14	Travel - CONST	41	11/30/07	02/01/08																																																	Travel - CONST											
LN0103B15	Travel - CONST	41	02/04/08	04/01/08																																																	Travel - CONST											
LN0103B16	Travel - CONST	41	04/02/08	05/29/08																																																	Travel - CONST											
LN0103B17	Travel - CONST	41	05/30/08	07/28/08																																																	Travel - CONST											
LN0103B18	Travel - CONST	41	07/29/08	09/24/08																																																	Travel - CONST											
<b>1.03.01.04 Linac Management</b>																																																																
LN01040075	Finalize W.B.S.	40	08/01/03A	03/02/04A																																																												
LN01040050	LINAC DRAWING DATA BASE SUMMARY	12	08/01/03A																																																													
LN01040070	LINAC ADMINISTRATIVE SUMMARY	500	08/01/03A	05/25/06																																																	LINAC ADMINISTRATIVE SUMMARY											
LN01040080	Develop Manpower Loaded Schedule	80	09/02/03A	03/02/04A																																																												
LN0104	Linac System Management Effort - PreBaseline	94	10/01/03A	02/27/04A																																																												
LN01040055	Create Drawing Number Structure	5	11/03/03A	03/02/04A																																																												
LN01040045	Augment MAD Symbols List	10	11/03/03A	03/12/04A																																																												
LN01040040	Create Component Specification Reports	111*	12/15/03A																																																		Create Component Specification Reports											
LN01040035	LINAC COMPONENT DATA BASE SUMMARY	70	12/15/03A	08/24/04																																																	LINAC COMPONENT DATA BASE SUMMARY											
LN01040060	Create Drawing Server / Component Folders	5	01/02/04A	03/02/04A																																																												
LN010400	Linac System Management Effort - PED	379*	04/01/04A	09/30/05																																																	Linac System Management Effort - PED											
LN01040065	Create General Assembly Tree	42*	05/03/04A	06/30/04																																																	Create General Assembly Tree											
LN01040085	Linac Procurement Management	500	10/04/04	09/28/06																																																	Linac Procurement Management											
LN01040090	Linac Testing & Post-Process Management	500	10/04/04	09/28/06																																																	Linac Testing & Post-Process Manage											
LN01040095	Linac Stage & Storage Management	500	10/04/04	09/28/06																																																	Linac Stage & Storage Management											
LN01040105	Receive and Review Linac Optics Requirements	1	11/09/04	11/09/04																																																	Receive and Review Linac Optics Requirements											
LN01040100	LINAC PHYSICS REQUIREMENTS SUMMARY	75	11/09/04	03/02/05																																																	LINAC PHYSICS REQUIREMENTS SUMMARY											

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.03.01.04 Linac Management</b>																																																																
LN01040110	Verify Diagnostic Requirements	5	11/10/04	11/16/04																																																												
LN01040115	Back Check Component Spec vs Optics Requirements	5	11/17/04	11/23/04																																																												
LN010402	Linac System Management Effort - CONST	753*	10/03/05	09/30/08																																																												
<b>1.03.02 Linac Controls &amp; Power Conversion Subsystem</b>																																																																
LN02	LINAC CNTRLS & PWR CONV SUBSYSTEM SUMMARY	1,011	06/01/04	06/09/08																																																	LINAC											
<b>1.03.02.01 Personnel Protection System (PPS)</b>																																																																
LN02010000	Finalize PPS LTU & Halls BSOIC Spec Requirements	20	01/03/05	01/31/05																																																												
LN0201	PERSONNEL PROTECTION SUBSYSTEM SUMMARY	864	01/03/05	06/09/08																																																	PERSONNEL											
LN02010005	COMP: PPS LTU & Halls BSOIC System Reqmts Defini	0		01/31/05																																																												
LN02010010	PPS BSOIC Design Engineering	241	02/01/05	01/13/06																																																												
LN02010025	PPS BSOIC Design Drafting	40	03/30/05	05/24/05																																																												
LN02010030	Conduct PPS BSOIC Design Review	1	05/25/05	05/25/05																																																												
LN02010035	COMP: Linac PPS - BSOIC Design (20)	0		05/25/05																																																												
LN02010200	Finalize PPS PLC specification requirements	20	06/01/05*	06/28/05																																																												
LN02010205	COMP: PPS PLC Access Control Requirements Defini	0		06/28/05																																																												
LN02010300	Finalize PPS Keybank, Annunciator & Gate(s) Spec	20	06/29/05	07/27/05																																																												
LN02010210	PPS PLC Access Control Design Engineering	740	06/29/05	06/09/08																																																	PPS PL											
LN02010215	PPS PLC Access Control Design S/W Engineering	740	06/29/05	06/09/08																																																	PPS PL											
LN02010305	COMP: PPS Keybank, Annunciator, Gate Reqmts Defi	0		07/27/05																																																												
LN02010310	PPS Design Keybank, Annunciator, Gate Engineeri	120	07/28/05	01/19/06																																																												
LN02010220	PPS PLC Access Control System Design Drafting	40	08/25/05	10/20/05																																																												
LN02010040	Construction Funds Available - Begin Procurement	0	10/03/05																																																													
LN02010045	Procure PPS BSOIC Mounting Hardware/Material	10	10/03/05	10/14/05																																																												
LN02010055	Prep Bid Pak - BSOIC Rad Monitor ADM-600 Series	10	10/03/05	10/14/05																																																												
LN02010050	RCV: PPS BSOIC Mounting Hardware/Material	0		10/14/05																																																												
LN02010060	RELEASE: RFP - BSOIC Rad Monitor ADM-600 Series	0		10/14/05																																																												

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04		FY05		FY06		FY07		FY08	
<b>1.03.02.01 Personnel Protection System (PPS)</b>														
LN02010065	Vendors Prep Proposals - BSOIC Rad Monitor ADM-6	15	10/17/05	11/04/05										
LN02010090	Fab/Assy - BSOIC Mounting Hardware (15)	240	10/17/05	09/28/06										
LN02010225	PPS Design Keybank, Annunciator, Gate Engineerin	120	10/21/05	04/14/06										
LN02010070	RCV: Proposals - BSOIC Rad Monitor ADM-600 Serie	0		11/04/05										
LN02010075	Evaluate Proposals - BSOIC Rad Monitor ADM-600 S	10	11/07/05	11/18/05										
LN02010315	PPS Access Control Mazes/Gates Designs (7)	10	01/20/06	02/02/06										
LN02010320	PLC Access Control Gates Electronics Drafting	9	02/03/06	02/15/06										
LN02010325	Conduct Design Review - PPS	1	02/16/06	02/16/06										
LN02010330	COMP: Linac PPS - Maze/Gate Design	0		02/16/06										
LN02010355	Prep Bid Pak - Mazes/Gates Access Control Gates	15	02/17/06	03/10/06										
LN02010345	Procure Cable PPS Maze/Gate Cableplant	60	02/17/06	05/12/06										
LN02010360	RELEASE: RFP - Mazes/Gates Access Control Gates	0		03/10/06										
LN02010365	Vendors Prep Proposals - Mazes/Gates Access Cntr	20	03/13/06	04/07/06										
LN02010080	AWARD: Contract - BSOIC Rad Monitor ADM-600 Seri	1	03/28/06	03/28/06										
LN02010335	Procure PPS Maze/Gate Hdwr/Matl/Switch/Latch/Sol	20	03/28/06	04/24/06										
LN02010085	Vendor Fab/Assy - BSOIC Rad Monitor ADM-600 Seri	180	03/29/06	12/12/06										
LN02010370	RCV: Proposals - Mazes/Gates Access Control Gate	0		04/07/06										
LN02010375	Evaluate Proposals - Mazes/Gates Access Control	10	04/10/06	04/21/06										
LN02010230	Conduct PLC Access Control Design Review	1	04/17/06	04/17/06										
LN02010235	COMP: Linac PPS - PLC Access Control Design	0		04/17/06										
LN02010240	RCV: PPS Hardware/Material	0		04/17/06										
LN02010245	Prep Bid Pak - PLC Access Cntrl Sys Electronics	5	04/18/06	04/24/06										
LN02010388	Write Software to Integrate PPS	30	04/18/06	05/30/06										
LN02010250	RELEASE: RFP - PLC Access Cntrl Sys Electronics	0		04/24/06										
LN02010380	AWARD: Mazes/Gates Access Control Gates (3 sets)	1	04/24/06	04/24/06										
LN02010255	Vendors Prep Proposals - PLC Access Cntrl Sys EI	20	04/25/06	05/22/06										

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08																							
<b>1.03.02.01 Personnel Protection System (PPS)</b>																																																																												
LN02010340	Fab/PreAssy PPS Maze/Gate Hdwr/Matl/Switch/Latch	60	04/25/06	07/19/06																																					■ Fab/PreAssy PPS Maze/Gate Hdwr/Matl/S																																			
LN02010382	Vendor Fab/Assy - Mazes/Gates Access Cntrl Gates	140	04/25/06	11/09/06																																					■ Vendor Fab/Assy - Mazes/Gates Acc																																			
LN02010350	RCV: PPS Maze/Gate Hdwr/Matl/Switches/Latches/So	0		05/12/06																																					◆ RCV: PPS Maze/Gate Hdwr/Matl/Switches/L																																			
LN02010260	RCV: Proposals - PLC Access Cntrl Sys Electronic	0		05/22/06																																					◆ RCV: Proposals - PLC Access Cntrl Sys Ele																																			
LN02010265	Evaluate Proposals - PLC Access Cntrl Sys Electr	5	05/23/06	05/30/06																																					■ Evaluate Proposals - PLC Access Cntrl Sys																																			
LN02010270	AWARD: Contract - PLC Access Cntrl Sys Electroni	1	05/31/06	05/31/06																																					■ AWARD: Contract - PLC Access Cntrl Sys E																																			
LN02010390	Write Documentation	10	05/31/06	06/13/06																																					■ Write Documentation																																			
LN02010272	Vendor Fab/Assy - PLC Access Cntrl Sys Electroni	160	06/01/06	01/19/07																																					■ Vendor Fab/Assy - PLC Access																																			
LN02010392	Perform Point to Point Checkout	10	06/14/06	06/27/06																																					■ Perform Point to Point Checkout																																			
LN02010384	RCV: PPS Mazes/Gates Access Control Set 3 from V	0		11/09/06																																					◆ RCV: PPS Mazes/Gates Access Co																																			
LN02010386	AVAIL: PPS Mazes/Gates Access Control Gates	0		11/09/06	AVAIL: PPS Mazes/Gates Access Control Gate																																				◆																																			
LN02010394	Integrate PPS Hardware and Software	10	11/10/06	11/27/06													Integrate PPS Hardware and Softwar																																				■																							
LN02010398	AVAIL: PPS Controls ready to Integrate	0		11/27/06													AVAIL: PPS Controls ready to Integrat																																				◆																							
LN02010095	RCV: PPS BSOIC Rad Monitor ADM-600 Series (20) f	0		12/12/06																																					◆ RCV: PPS BSOIC Rad Monitor AI																																			
LN02010100	Fab and Pre Assemble Components (as required)	20	12/13/06	01/11/07	Fab and Pre Assemble Components (as require																																				■																																			
LN02010105	COMP: Linac PPS Component Fab & Assembly	0		01/11/07													COMP: Linac PPS Component Fab & Assembl																																				◆																							
LN02010110	Perform PPS BSOIC Pre-Installation Qual Test	20	01/12/07	02/09/07													Perform PPS BSOIC Pre-Installation Qual Te																																				■																							
LN02010274	RCV: from Vendor - PPS PLC Access Cntrl Sys Elec	0		01/19/07																																					◆ RCV: from Vendor - PPS PLC A																																			
LN02010276	Fab and Pre Assemble Components (as required)	20	01/22/07	02/16/07	Fab and Pre Assemble Components (as require																																				■																																			
LN02010115	AVAIL: Linac PPS BSOIC Equipment Ready for Instl	0		02/09/07	AVAIL: Linac PPS BSOIC Equipment Ready for Ins																																				◆																																			
LN02010278	COMP: Linac PPS Component Fab & Assembly	0		02/16/07													COMP: Linac PPS Component Fab & Assembl																																				◆																							
LN02010280	Perform Pre-Installation Qual Test on Linac PPS	20	02/20/07	03/19/07													Perform Pre-Installation Qual Test on Linac PP																																				■																							
LN02010282	AVAIL: Linac PPS Equipment Ready for Integ	0		03/19/07													AVAIL: Linac PPS Equipment Ready for Inte																																				◆																							
<b>1.03.02.02 Beam Containment System (BCS)</b>																																																																												
LN02020000	Finalize BCS LTU & Halls Spec Requirements	20	01/03/05	01/31/05																																					■ Finalize BCS LTU & Halls Spec Requirements																																			
LN0202	BEAM CONTAINMENT SUBSYSTEM SUMMARY	478	01/03/05	11/21/06																																					■ BEAM CONTAINMENT SUBSYSTEM																																			

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.03.02.02 Beam Containment System (BCS)</b>																																																																
LN02020005	COMP: BCS LTU & Halls Requirements Definition	0		01/31/05																																																												
LN02020010	BCS LTU & Halls PLIC/LION System Drafting	9	02/01/05	02/11/05																																																												
LN02020015	Conduct BCS LTU & Halls System Design Review	1	02/14/05	02/14/05																																																												
LN02020020	COMP: Linac BCS Design - LTU & Halls	0		02/14/05																																																												
LN02020025	Construction Funds Available - Begin Procurement	0	10/03/05																																																													
LN02020030	Procure BCS PLIC/LION System HV Power Supply Cha	15	10/03/05	10/21/05																																																												
LN02020035	Procure Gas System - BCS PLIC/LION Regulators/Fi	15	10/03/05	10/21/05																																																												
LN02020040	Procure BCS PLIC/LION Gas Bottle(s) & Bottle(s)	21	10/03/05	10/31/05																																																												
LN02020045	Procure BCS PLIC/LION Cableplant Helix, Andre	21	10/03/05	10/31/05																																																												
LN02020110	Write Software to Integrate BCS	30	10/03/05	11/11/05																																																												
LN02020050	RCV: from Vendor - BCS PLIC/LION HV Supply	0		10/31/05																																																												
LN02020055	RCV: from Vendor - BCS PLIC/LION Cableplant	0		10/31/05																																																												
LN02020115	Write Documentation	10	11/14/05	11/29/05																																																												
LN02020120	Perform Point to Point Checkout	10	11/30/05	12/13/05																																																												
LN02020125	Integrate BCS Hardware and Software	10	12/14/05	12/28/05																																																												
LN02020135	AVAIL: Linac BCS Controls Ready to Integrate	0		12/28/05																																																												
LN02020060	Prep Bid Pak - BCS PLIC/LION Cableplant	5	10/03/06	10/09/06																																																												
LN02020065	RELEASE: RFP - BCS PLIC/LION Cableplant	0		10/09/06																																																												
LN02020070	Vendors Prep Proposals - BCS PLIC/LION Cableplan	5	10/10/06	10/16/06																																																												
LN02020075	RCV: Proposals - BCS PLIC/LION Cableplant	0		10/16/06																																																												
LN02020080	Evaluate Proposals - BCS PLIC/LION Cableplant	5	10/17/06	10/23/06																																																												
LN02020085	AWARD: Contract - BCS PLIC/LION Cableplant	1	10/24/06	10/24/06																																																												
LN02020090	AVAIL: HV Power Supply ready to integrate	0		10/24/06																																																												
LN02020095	COMP: BCS LTU & Halls Component Fab & Assembly	0		10/24/06																																																												
LN02020100	Perform Pre-Installation Qual Test on BCS LTU	20	10/25/06	11/21/06																																																												
LN02020105	AVAIL: Linac BCS Cableplant ready for Instl	0		11/21/06																																																												

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.03.02.03 Machine Protection System (MPS)</b>																																																																
LN02030000	Finalize Specification Requirements	20	01/03/05	01/31/05																																																												
LN0203	MACHINE PROTECTION SUBSYSTEM SUMMARY	396	01/03/05	07/27/06																																																												
LN02030005	COMP: MPS Requirements Definition	0		01/31/05																																																												
LN02030010	MPS Design Engineering	40	02/01/05	03/29/05																																																												
LN02030015	MPS Design Drafting	40	03/30/05	05/24/05																																																												
LN02030020	PIC's & TC's Design	40	03/30/05	05/24/05																																																												
LN02030025	PIC's & TC's Drafting	40	05/25/05	07/21/05																																																												
LN02030030	Conduct Design Review - MPS	1	07/22/05	07/22/05																																																												
LN02030035	COMP: Linac MPS Design	0		07/22/05																																																												
LN02030040	Construction Funds Available - Begin Procurement	0		09/30/05																																																												
LN02030050	Prep Bid Pak - PIC Modules	15	10/03/05	10/21/05																																																												
LN02030225	Prep Bid Pak - BSOIC	15	10/03/05	10/21/05																																																												
LN02030095	Procure TC Reference Plane material (as required	20	10/03/05	10/28/05																																																												
LN02030105	Procure Cable TC Reference Plane material	20	10/03/05	10/28/05																																																												
LN02030230	RELEASE: RFP - BSOIC	0		10/21/05																																																												
LN02030055	Prep Assy Pak - TC Reference Planes Modules	15	10/24/05	11/11/05																																																												
LN02030235	Vendors Prep Proposals - BSOIC	20	10/24/05	11/18/05																																																												
LN02030100	Fab and Pre Assemble TC Ref. Planes (as required	20	10/31/05	11/29/05																																																												
LN02030110	Fab Cable, Coax, PIC Module to PIC Detector (6)	20	10/31/05	11/29/05																																																												
LN02030115	Fab Cable, Coax, HV P.S. to PIC Detector (6)	20	10/31/05	11/29/05																																																												
LN02030120	Fab Cable,1553, PIC Module Chain to VME A.P. Cra	20	10/31/05	11/29/05																																																												
LN02030125	Fab Cable,8/C, HV P.S. to X-connects (P.S. Statu	20	10/31/05	11/29/05																																																												
LN02030130	Fab Cable,4/C, HV P.S. to X-connects (HV Enable)	20	10/31/05	11/29/05																																																												
LN02030060	RELEASE: RFP - PIC's	0	11/14/05	11/11/05																																																												
LN02030065	Vendors Prep Proposals - PIC's	20	11/14/05	12/13/05																																																												
LN02030240	RCV: Proposals - BSOIC	0		11/18/05																																																												

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.03.02.03 Machine Protection System (MPS)</b>																																																																
LN02030245	Evaluate Proposals - BSOIC	10	11/21/05	12/06/05																									■ Evaluate Proposals - BSOIC																																			
LN02030135	Fab and Pre Assemble PIC Components (as reqd)	20	11/30/05	12/28/05																									■ Fab and Pre Assemble PIC Components (as reqd)																																			
LN02030250	AWARD: Contract - BSOIC	1	12/07/05	12/07/05																									■ AWARD: Contract - BSOIC																																			
LN02030255	Vendor Fab/Assy - BSOIC	100	12/08/05	05/02/06																									■ Vendor Fab/Assy - BSOIC																																			
LN02030070	RCV: Proposals - PIC Modules	0	12/14/05	12/13/05																									■ RCV: Proposals - PIC Modules																																			
LN02030075	Evaluate Proposals - PIC Modules	10	12/14/05	12/28/05																									■ Evaluate Proposals - PIC Modules																																			
LN02030140	COMP: Linac MPS Component Fab & Assembly	0		12/28/05																									◆ COMP: Linac MPS Component Fab & Assembly																																			
LN02030080	AWARD: Contract - PIC Modules	1	12/29/05	12/29/05																									■ AWARD: Contract - PIC Modules																																			
LN02030085	Vendor Fab/Assy - PIC Modules	120	12/30/05	06/21/06																									■ Vendor Fab/Assy - PIC Modules																																			
LN02030260	RCV: from Vendor - MPS BSOIC	0		05/02/06																									◆ RCV: from Vendor - MPS BSOIC																																			
LN02030285	COMP: Linac MPS Component Fab & Assembly	0		05/02/06																									◆ COMP: Linac MPS Component Fab & Assembly																																			
LN02030295	AVAIL: Linac MPS Equipment ready for Install	0		05/02/06																									◆ AVAIL: Linac MPS Equipment ready for Install																																			
LN02030280	Fab and Pre Assemble Components (as required)	0	05/03/06	05/02/06																									■ Fab and Pre Assemble Components (as required)																																			
LN02030290	Perform Pre-Installation Qual Test on Linac MPS	0	05/03/06	05/02/06																									■ Perform Pre-Installation Qual Test on Linac MPS																																			
LN02030300	Write Software to Integrate MPS	30	05/03/06	06/14/06																									■ Write Software to Integrate MPS																																			
LN02030305	Write Documentation	10	06/15/06	06/28/06																									■ Write Documentation																																			
LN02030090	RCV: from Vendor - MPS PIC Modules	0	06/22/06	06/21/06																									■ RCV: from Vendor - MPS PIC Modules																																			
LN02030145	Perform Pre-Installation Qual Test on Linac MPS	20	06/22/06	07/20/06																									■ Perform Pre-Installation Qual Test on Linac MPS																																			
LN02030310	Perform Point to Point Checkout	10	06/29/06	07/13/06																									■ Perform Point to Point Checkout																																			
LN02030315	Integrate MPS Hardware and Software	10	07/14/06	07/27/06																									■ Integrate MPS Hardware and Software																																			
LN02030150	AVAIL: Linac MPS Equipment ready for Install	0		07/20/06																									◆ AVAIL: Linac MPS Equipment ready for Install																																			
LN02030320	AVAIL: Linac MPS Controls Ready to Integrate	0		07/27/06																									◆ AVAIL: Linac MPS Controls Ready to Integrate																																			
<b>1.03.02.04 Linac Power Conversion Subsystem</b>																																																																
<b>1.03.02.04.01 Beamline Power Supplies - (Dipole Type)</b>																																																																
LN0204_010	Finalize Power Conv Reqmts Definition (Dipole)	5	01/03/05*	01/07/05																									■ Finalize Power Conv Reqmts Definition (Dipole)																																			
LN0204_000	LINAC POWER SUPPLIES (DIPOLE) SUMMARY	542	01/03/05	02/27/07																									■ LINAC POWER SUPPLIES (DIPOLE)																																			

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.03.02.04.01 Beamline Power Supplies - (Dipole Type)</b>																																																																
LN0204_015	COMP: Pwr Conv Specification Requirements	0		01/07/05																																																												
LN0204_020	Dev Engrg for 43 instances of existing 18 types	450	01/10/05	10/19/06																																																												
LN0204_025	Create System Drawings	430	02/08/05	10/19/06																																																												
<b>1.03.02.04.01.01 30kw Pwr Supply - (B11-14)</b>																																																																
LN020401	30kw POWER SUPPLY (B11-14 ) SUMMARY	100	10/03/05	02/27/06																																																												
LN02040104	Procure 30kw Pwr Supply (B11-14) - Hardware	100	10/03/05	02/27/06																																																												
LN02040133	AVAIL: 30kw Pwr Supply (B11-14) Ready For Integ	0		02/27/06																																																												
<b>1.03.02.04.01.02 Power Supply - (B21-26)</b>																																																																
LN020406	B21-26 POWER SUPPLY SUMMARY	100	10/03/06	02/27/07																																																												
LN02040604	Procure 78kw Pwr Supply (B21-26) - Hardware	100	10/03/06	02/27/07																																																												
LN02040646	AVAIL: __kw Pwr Supply (B21-26) Ready for Instl	0		02/27/07																																																												
<b>1.03.02.04.01.03 78kw Pwr Supply - (B31-34)</b>																																																																
LN020415	78kw POWER SUPPLY (B31-34) SUMMARY	100	10/03/06	02/27/07																																																												
LN02041504	Procure 78kw Pwr Supply 9B31-34) - Hardware	100	10/03/06	02/27/07																																																												
LN02041546	AVAIL: 78kw Pwr Supply (B31-34) Ready for Integ	0		02/27/07																																																												
<b>1.03.02.04.01.05 Power Supply - (BY1)</b>																																																																
LN020434	BY1 POWER SUPPLY SUMMARY	100	10/03/06	02/27/07																																																												
LN02043418	Procure Power Supply (BY1) - Hardware	100	10/03/06	02/27/07																																																												
LN02043446	AVAIL: BY1 Pwr Supply Ready for Instl	0		02/27/07																																																												
<b>1.03.02.04.01.06 Kicker (BYBKIK)</b>																																																																
LN02043501	Prep Bid Package - Pwr Supply - Dipole Type	5	03/28/06	04/03/06																																																												
LN020435	KICKER (BYBKIK) SUMMARY	116	03/28/06	09/08/06																																																												
LN02043503	RELEASE: RFP - Pwr Supply - Dipole Type	0		04/03/06																																																												
LN02043505	Vendors Prep Proposals - Pwr Spply - Dipole Type	5	04/04/06	04/10/06																																																												
LN02043507	RCV: Vendor Proposals - Pwr Supply - Dipole Type	0		04/10/06																																																												
LN02043509	Evaluate Vendors Prep Proposals	5	04/11/06	04/17/06																																																												
LN02043511	AWARD: Contract - Power Supply - (Dipole Type)	1	04/18/06	04/18/06																																																												





Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.03.02.04.02.05 2kw Power Supply - (SEC-27)</b>																																																																
LN020412	2kw POWER SUPPLY (SEC-27) SUMMARY	100	10/03/06	02/27/07	2kw POWER SUPPLY (SEC-27) SUMMARY																																																											
LN02041204	Procure 2kw Pwr Supply - (Sec 27)	100	10/03/06	02/27/07	Procure 2kw Pwr Supply - (Sec 27)																																																											
LN02041233	AVAIL: 2kw Pwr Supply (SEC-27) Ready for Integ	0		02/27/07	AVAIL: 2kw Pwr Supply (SEC-27) Ready for Integ																																																											
<b>1.03.02.04.02.06 2kw Power Supply - (SEC-28)</b>																																																																
LN020413	2kw POWER SUPPLY (SEC-28) SUMMARY	100	10/03/06	02/27/07	2kw POWER SUPPLY (SEC-28) SUMMARY																																																											
LN02041304	Procure 2kw Pwr Supply - (Sec 28)	100	10/03/06	02/27/07	Procure 2kw Pwr Supply - (Sec 28)																																																											
LN02041333	AVAIL: 2kw Pwr Supply (SEC-28) Ready for Integ	0		02/27/07	AVAIL: 2kw Pwr Supply (SEC-28) Ready for Integ																																																											
<b>1.03.02.04.02.07 2kw Power Supply - (SEC-29)</b>																																																																
LN020414	2kw POWER SUPPLY (SEC-29) SUMMARY	100	10/03/06	02/27/07	2kw POWER SUPPLY (SEC-29) SUMMARY																																																											
LN02041404	Procure 2kw Pwr Supply - (Sec 29)	100	10/03/06	02/27/07	Procure 2kw Pwr Supply - (Sec 29)																																																											
LN02041433	AVAIL: 2kw Pwr Supply (SEC-29) Ready for Integ	0		02/27/07	AVAIL: 2kw Pwr Supply (SEC-29) Ready for Integ																																																											
<b>1.03.02.04.02.08 10kw Power Supply - (Q24701)</b>																																																																
LN020404	10kw POWER SUPPLY (Q24701) SUMMARY	100	10/03/06	02/27/07	10kw POWER SUPPLY (Q24701) SUMMARY																																																											
LN02040404	Procure 10kw Pwr Supply - (Q24701)	100	10/03/06	02/27/07	Procure 10kw Pwr Supply - (Q24701)																																																											
LN02040433	AVAIL: 10kw Pwr Supply (Q24701) Ready for Integ	0		02/27/07	AVAIL: 10kw Pwr Supply (Q24701) Ready for Integ																																																											
<b>1.03.02.04.02.09 10kw Power Supply - (QM21)</b>																																																																
LN020405	10kw POWER SUPPLY (QM21) SUMMARY	100	10/03/05	02/27/06													10kw POWER SUPPLY (QM21) SUMMARY																																															
LN02040504	Procure 10kw Pwr Supply (QM21)	100	10/03/05	02/27/06													Procure 10kw Pwr Supply (QM21)																																															
LN02040533	AVAIL: 10kw Pwr Supply (QM21) Ready for Integ	0		02/27/06													AVAIL: 10kw Pwr Supply (QM21) Ready for Integ																																															
<b>1.03.02.04.02.11 10kw Power Supply - (Q24901)</b>																																																																
LN020408	10kw POWER SUPPLY (Q24901) SUMMARY	100	10/03/06	02/27/07	10kw POWER SUPPLY (Q24901) SUMMARY																																																											
LN02040804	Procure 10kw Pwr Supply (Q24901)	100	10/03/06	02/27/07	Procure 10kw Pwr Supply (Q24901)																																																											
LN02040833	AVAIL: 10kw Pwr Supply (Q24901) Ready for Integ	0		02/27/07	AVAIL: 10kw Pwr Supply (Q24901) Ready for Integ																																																											
<b>1.03.02.04.02.12 10kw Power Supply - (QM22)</b>																																																																
LN020409	10kw POWER SUPPLY (QM22) SUMMARY	100	10/03/05	02/27/06													10kw POWER SUPPLY (QM22) SUMMARY																																															
LN02040904	Procure 10kw Pwr Supply (QM22)	100	10/03/05	02/27/06													Procure 10kw Pwr Supply (QM22)																																															
LN02040933	AVAIL: 10kw Pwr Supply (QM22) Ready for Integ	0		02/27/06													AVAIL: 10kw Pwr Supply (QM22) Ready for Integ																																															

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04																												FY05																												FY06																												FY07																												FY08																											
<b>1.03.02.04.02.13 Power Supply - (QVM1)</b>																																																																																																																																																
LN020416	QVM1 SUMMARY	100	10/03/06	02/27/07																																																																																																																																												
LN02041604	Procure QVM1 Pwr Supply 10kw	100	10/03/06	02/27/07																																																																																																																																												
LN02041633	AVAIL: QVM1 Pwr Supply Ready for Integ	0		02/27/07																																																																																																																																												
<b>1.03.02.04.02.14 Power Supply - (QVM2)</b>																																																																																																																																																
LN020417	QVM2 SUMMARY	100	10/03/06	02/27/07																																																																																																																																												
LN02041704	Procure QVM2 Pwr Supply 10kw	100	10/03/06	02/27/07																																																																																																																																												
LN02041733	AVAIL: QVM2 Pwr Supply Ready for Integ	0		02/27/07																																																																																																																																												
<b>1.03.02.04.02.15 Power Supply - (QVM3)</b>																																																																																																																																																
LN020418	QVM3 SUMMARY	100	10/03/06	02/27/07																																																																																																																																												
LN02041804	Procure QVM3 Pwr Supply 10kw	100	10/03/06	02/27/07																																																																																																																																												
LN02041833	AVAIL: QVM3 Pwr Supply Ready for Integ	0		02/27/07																																																																																																																																												
<b>1.03.02.04.02.16 Power Supply - (QVM4)</b>																																																																																																																																																
LN020419	QVM4 SUMMARY	100	10/03/06	02/27/07																																																																																																																																												
LN02041904	Procure QVM4 Pwr Supply 10kw	100	10/03/06	02/27/07																																																																																																																																												
LN02041933	AVAIL: QVM4 Pwr Supply Ready for Integ	0		02/27/07																																																																																																																																												
<b>1.03.02.04.02.17 Power Supply - (QVB1)</b>																																																																																																																																																
LN020420	QVB1 SUMMARY	100	10/03/06	02/27/07																																																																																																																																												
LN02042004	Procure QVB1 Pwr Supply 10kw	100	10/03/06	02/27/07																																																																																																																																												
LN02042033	AVAIL: QVB1 Pwr Supply Ready for Integ	0		02/27/07																																																																																																																																												
<b>1.03.02.04.02.18 Power Supply - (QDL1)</b>																																																																																																																																																
LN020421	QDL1 SUMMARY	100	10/03/06	02/27/07																																																																																																																																												
LN02042104	Procure QDL1 Pwr Supply 10kw	100	10/03/06	02/27/07																																																																																																																																												
LN02042133	AVAIL: QDL1 Pwr Supply Ready for Integ	0		02/27/07																																																																																																																																												
<b>1.03.02.04.02.19 Power Supply - (QE31)</b>																																																																																																																																																
LN020424	QE31 SUMMARY	100	10/03/06	02/27/07																																																																																																																																												
LN02042404	Procure Power Supply - (QE31)	100	10/03/06	02/27/07																																																																																																																																												
LN02042433	AVAIL: QE31 Pwr Supply Ready for Integ	0		02/27/07																																																																																																																																												

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.03.02.04.02.20 Power Supply - (QEM1)</b>																																																																
LN020425	QEM1 SUMMARY	100	10/03/06	02/27/07																																					QEM1 SUMMARY																							
LN02042504	Procure Power Supply - (QEM1)	100	10/03/06	02/27/07																																					Procure Power Supply - (QEM1)																							
LN02042533	AVAIL: QEM1 Pwr Supply Ready for Integ	0		02/27/07																																					AVAIL: QEM1 Pwr Supply Ready for Integ																							
<b>1.03.02.04.02.21 Power Supply - (QEM2)</b>																																																																
LN020426	QEM2 SUMMARY	100	10/03/06	02/27/07																																					QEM2 SUMMARY																							
LN02042604	Procure Power Supply - (QEM2)	100	10/03/06	02/27/07																																					Procure Power Supply - (QEM2)																							
LN02042633	AVAIL: QEM2 Pwr Supply Ready for Integ	0		02/27/07																																					AVAIL: QEM2 Pwr Supply Ready for Integ																							
<b>1.03.02.04.02.22 Power Supply - (QEM3)</b>																																																																
LN020427	QEM3 SUMMARY	100	10/03/06	02/27/07																																					QEM3 SUMMARY																							
LN02042704	Procure Power Supply - (QEM3)	100	10/03/06	02/27/07																																					Procure Power Supply - (QEM3)																							
LN02042733	AVAIL: QEM3 Pwr Supply Ready for Integ	0		02/27/07																																					AVAIL: QEM3 Pwr Supply Ready for Integ																							
<b>1.03.02.04.02.23 Power Supply - (QEM4)</b>																																																																
LN02042804	Procure Power Supply - (QEM4) - 10kw	100	10/03/06	02/27/07																																					Procure Power Supply - (QEM4) - 10kw																							
LN020428	QEM4 SUMMARY	101	10/03/06	02/28/07																																					QEM4 SUMMARY																							
LN02042832	Integrate Magnet Interlock	1	02/28/07	02/28/07																																					Integrate Magnet Interlock																							
LN02042833	AVAIL: QEM4 Pwr Supply Ready for Integ	0		02/28/07																																					AVAIL: QEM4 Pwr Supply Ready for Integ																							
<b>1.03.02.04.02.24 Power Supply - (QTm1)</b>																																																																
LN020422	QTm1 SUMMARY	100	10/03/06	02/27/07																																					QTm1 SUMMARY																							
LN02042204	Procure Power Supply - (QTm1) - 10kw	100	10/03/06	02/27/07																																					Procure Power Supply - (QTm1) - 10kw																							
LN02042233	AVAIL: QTm1 Pwr Supply Ready for Integ	0		02/27/07																																					AVAIL: QTm1 Pwr Supply Ready for Integ																							
<b>1.03.02.04.02.25 Power Supply - (QTm2)</b>																																																																
LN020423	QTm2 SUMMARY	100	10/03/06	02/27/07																																					QTm2 SUMMARY																							
LN02042304	Procure Power Supply - (QTm2) - 10kw	100	10/03/06	02/27/07																																					Procure Power Supply - (QTm2) - 10kw																							
LN02042333	AVAIL: QTm2 Pwr Supply Ready for Integ	0		02/27/07																																					AVAIL: QTm2 Pwr Supply Ready for Integ																							
<b>1.03.02.04.02.26 Power Supply - (QUM1)</b>																																																																
LN020429	QUM1 SUMMARY	100	10/03/06	02/27/07																																					QUM1 SUMMARY																							
LN02042904	Procure Power Supply - (QUM1) - 10kw	100	10/03/06	02/27/07																																					Procure Power Supply - (QUM1) - 10kw																							
LN02042933	AVAIL: QUM1 Pwr Supply Ready for Integ	0		02/27/07																																					AVAIL: QUM1 Pwr Supply Ready for Integ																							

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<b>1.03.02.04.02.27 Power Supply - (QUM2)</b>																																																																
LN020430	QUM2 SUMMARY	100	10/03/06	02/27/07																																																												
LN02043004	Procure Power Supply - (QUM2) - 10kw	100	10/03/06	02/27/07																																																												
LN02043033	AVAIL: QUM2 Pwr Supply Ready for Integ	0		02/27/07																																																												
<b>1.03.02.04.02.28 Power Supply - (QUM3)</b>																																																																
LN020431	QUM3 SUMMARY	100	10/03/06	02/27/07																																																												
LN02043104	Procure Power Supply - (QUM3) - 10kw	100	10/03/06	02/27/07																																																												
LN02043133	AVAIL: QUM3 Pwr Supply Ready for Integ	0		02/27/07																																																												
<b>1.03.02.04.02.29 Power Supply - (QUM4)</b>																																																																
LN020432	QUM4 SUMMARY	100	10/03/06	02/27/07																																																												
LN02043204	Procure Power Supply - (QUM4) - 10kw	100	10/03/06	02/27/07																																																												
LN02043233	AVAIL: QUM4 Pwr Supply Ready for Integ	0		02/27/07																																																												
<b>1.03.02.04.02.30 Power Supply - (QDMP)</b>																																																																
LN02043250	QDMP POWER SUPPLY SUMMARY	100	10/03/06	02/27/07																																																												
LN02043280	Procure Power Supply - (QDMP)	100	10/03/06	02/27/07																																																												
LN02043380	AVAIL: QDMP Pwr Supply Ready for Integ	0		02/27/07																																																												
<b>1.03.02.04.02.31 Power Supply - (QUE1)</b>																																																																
LN02045400	QUE1 POWER SUPPLY SUMMARY	100	10/03/06	02/27/07																																																												
LN02045405	Procure Power Supply - (QUE1) - 10kw	100	10/03/06	02/27/07																																																												
LN02045440	AVAIL: QDMP Pwr Supply Ready for Integ	0		02/27/07																																																												
<b>1.03.02.04.02.32 Power Supply - (QUE2)</b>																																																																
LN02045500	QUE2 POWER SUPPLY SUMMARY	100	10/03/06	02/27/07																																																												
LN02045505	Procure Power Supply - (QUE2) - 10kw	100	10/03/06	02/27/07																																																												
LN02045540	AVAIL: QDMP Pwr Supply Ready for Integ	0		02/27/07																																																												
<b>1.03.02.04.03 Beamline Power Supplies - (Trim Type)</b>																																																																
LN0204_120	FY06-07 Funding Rsc Constraint	0		05/28/04																																																												
LN0204_100	LINAC POWER SUPPLIES (TRIM) SUMMARY	691	06/01/04	03/01/07																																																												
LN0204_110	Finalize Power Conv Reqmts Definition (Trim)	5	01/03/05	01/07/05																																																												
LN0204_115	COMP: Pwr Conv Specification Requirements	0		01/07/05																																																												

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04		FY05		FY06		FY07		FY08	
<b>1.03.02.04.03.01 12Amp Power Supply - (MCOR_1)</b>														
LN02043704	Procure 12Amp Pwr Supply-(MCOR_1)(7-12Amp module	100	10/03/05	02/27/06										
LN020437	MCOR_1 (12Amp) SUMMARY	102	10/03/05	03/01/06										
LN02043738	Integrate Cables	2	02/28/06	03/01/06										
LN02043741	AVAIL: MCOR_1 Pwr Supply Ready for Rack Integ	0		03/01/06										
<b>1.03.02.04.03.02 30Amp Power Supply - (MCOR_2)</b>														
LN02043804	Procure 30Amp Pwr Supply-(MCOR_2)(7-30Amp module	100	10/03/05	02/27/06										
LN020438	MCOR_2 (30Amp) SUMMARY	102	10/03/05	03/01/06										
LN02043838	Integrate Cables	2	02/28/06	03/01/06										
LN02043841	AVAIL: MCOR_2 Pwr Supply Ready for Rack Integ	0		03/01/06										
<b>1.03.02.04.03.03 30Amp Power Supply - (MCOR_3)</b>														
LN02043904	Procure 30Amp Pwr Supply-(MCOR_3)(7-30Amp module	100	10/03/06	02/27/07										
LN020439	MCOR_3 (30Amp) SUMMARY	102	10/03/06	03/01/07										
LN02043938	Integrate Cables	2	02/28/07	03/01/07										
LN02043941	AVAIL: MCOR_3 Pwr Supply Ready for Rack Integ	0		03/01/07										
<b>1.03.02.04.03.04 30Amp Power Supply - (MCOR_4)</b>														
LN02044004	Procure 30Amp Pwr Supply-(MCOR_4)(7-30Amp module	100	10/03/05	02/27/06										
LN020440	MCOR_4 (30Amp) SUMMARY	102	10/03/05	03/01/06										
LN02044038	Integrate Cables	2	02/28/06	03/01/06										
LN02044041	AVAIL: MCOR_4 Pwr Supply Ready for Rack Integ	0		03/01/06										
<b>1.03.02.04.03.10 Power Supply - (MCOR_LTU1)</b>														
LN02044604	Procure Power Supply-(MCOR_LTU1)(5-12Amp modules	100	10/03/05	02/27/06										
LN020446	MCOR_LTU1 SUMMARY	102	10/03/05	03/01/06										
LN02044638	Integrate Cables	2	02/28/06	03/01/06										
LN02044641	AVAIL: MCOR_LTU1 Pwr Supply Ready for Integ	0		03/01/06										
<b>1.03.02.04.03.11 Power Supply - (MCOR_LTU2)</b>														
LN02044704	Procure Power Supply-(MCOR_LTU2)	100	10/03/05	02/27/06										
LN020447	MCOR_LTU2 SUMMARY	102	10/03/05	03/01/06										

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<b>1.03.02.04.03.11 Power Supply - (MCOR_LTU2)</b>																																																																
LN02044738	Integrate Cables	2	02/28/06	03/01/06																																																												
LN02044741	AVAIL: MCOR_LTU2 Pwr Supply Ready for Integ	0		03/01/06																																																												
<b>1.03.02.04.03.12 Power Supply - (MCOR_LTU3)</b>																																																																
LN02044804	Procure Power Supply-(MCOR_LTU3)	100	10/03/05	02/27/06																																																												
LN020448	MCOR_LTU3 SUMMARY	102	10/03/05	03/01/06																																																												
LN02044838	Integrate Cables	2	02/28/06	03/01/06																																																												
LN02044841	AVAIL: MCOR_LTU3 Pwr Supply Ready for Integ	0		03/01/06																																																												
<b>1.03.02.04.03.13 Power Supply - (MCOR_LTU4)</b>																																																																
LN02044904	Procure Power Supply-(MCOR_LTU4)	100	10/03/05	02/27/06																																																												
LN020449	MCOR_LTU4 SUMMARY	108	10/03/05	03/09/06																																																												
LN02044930	Assemble Pwr Supply, Transductor & Control	6	02/28/06	03/07/06																																																												
LN02044938	Integrate Cables	2	03/08/06	03/09/06																																																												
LN02044941	AVAIL: MCOR_LTU4 Pwr Supply Ready for Integ	0		03/09/06																																																												
<b>1.03.02.04.03.14 Power Supply - (MCOR_LTU5)</b>																																																																
LN02045004	Procure Power Supply-(MCOR_LTU5)	100	10/03/05	02/27/06																																																												
LN020450	MCOR_LTU5 SUMMARY	102	10/03/05	03/01/06																																																												
LN02045038	Integrate Cables	2	02/28/06	03/01/06																																																												
LN02045041	AVAIL: MCOR_LTU5 Pwr Supply Ready for Integ	0		03/01/06																																																												
<b>1.03.02.04.03.15 Power Supply - (MCOR_LTU6)</b>																																																																
LN02045104	Procure Power Supply-(MCOR_LTU6)	100	10/03/05	02/27/06																																																												
LN020451	MCOR_LTU6 SUMMARY	102	10/03/05	03/01/06																																																												
LN02045138	Integrate Cables	2	02/28/06	03/01/06																																																												
LN02045141	AVAIL: MCOR_LTU6 Pwr Supply Ready for Integ	0		03/01/06																																																												
<b>1.03.02.04.04 Controls &amp; Power Supply</b>																																																																
LN0204_210	Write Software to Integrate	160	06/01/04	01/20/05																																																												
LN0204_200	CONTROLS & POWER SUPPLY MISC HDWR SUMMARY	809	06/01/04	08/16/07																																																												
LN0204_202	Engineering (Layouts/Raceways/Supports)	120	01/03/05	06/22/05																																																												

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.03.02.04.04 Controls &amp; Power Supply</b>																																																																
LN0204_204	Cableplant/Rack System Drafting (Bid Doc's)	120	01/18/05	07/07/05																																																												
LN0204_212	Write Documentation	10	01/21/05	02/03/05																																																												
LN0204_214	Perform Point to Point Checkout	75	02/04/05	05/20/05																																																												
LN0204_216	Integrate Hardware and Software	10	05/23/05	06/06/05																																																												
LN0204_218	AVAIL: Linac Controls Ready to Integrate	0		06/06/05																																																												
LN0204_206	Captar Liason, Documents & Data Entry (Bid Doc's)	30	07/08/05	08/18/05																																																												
LN0204_208	Conduct SLAC Citizen Committee Reviews	20	08/19/05	09/16/05																																																												
LN0204_209	Conduct Design Review - Linac and Hall Racks/Tra	1	09/19/05	09/19/05																																																												
LN0204_266	Prep Bid Pak - Single Bay Racks (DC/I&C)	15	09/20/05	10/10/05																																																												
LN0204_318	Prep Bid Pak - Double Bay Racks	15	09/20/05	10/10/05																																																												
LN0204_382	Prep Bid Pak - Cable Tray Material- Tray and Div	15	09/20/05	10/10/05																																																												
LN0204_410	Prep Bid Pak - Linac Cableplant Installation-all	15	09/20/05	10/10/05																																																												
LN0204_220	PROCUREMENT START - Misc Hardware	0	10/03/05																																																													
MSC_LN000	CRIT: Start Linac Cableplant Installation Procmt	0		10/03/05																																																												
LN0204_222	Procure AC Breakers (108)	60	10/03/05	12/28/05																																																												
LN0204_224	Procure PS Hubble Plug (80)	60	10/03/05	12/28/05																																																												
LN0204_228	Procure 3 Phase Dist Bus (27)	60	10/03/05	12/28/05																																																												
LN0204_232	Procure Circuit Breaker Panels (27)	60	10/03/05	12/28/05																																																												
LN0204_236	Procure Neutral/Ground Pnl. (27)	60	10/03/05	12/28/05																																																												
LN0204_240	Procure Blank Panels (27)	60	10/03/05	12/28/05																																																												
LN0204_244	Procure AC Wire	60	10/03/05	12/28/05																																																												
LN0204_248	Procure Breaker Lock-outs	60	10/03/05	12/28/05																																																												
LN0204_252	Procure Rack Cooling Fans	60	10/03/05	12/28/05																																																												
LN0204_256	Procure Rack Hardware (Single Rack)	60	10/03/05	12/28/05																																																												
LN0204_260	Procure Rack Hardware (Double Rack)	60	10/03/05	12/28/05																																																												
LN0204_398	Procure Cable Tray Fittings (DC&IC)	120	10/03/05	03/27/06																																																												



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<b>1.03.02.04.04 Controls &amp; Power Supply</b>																																																																
LN0204_400	Procure Trapeze Cable Tray Supports (DC&IC) 300	120	10/03/05	03/27/06																																																	■ Procure Trapeze Cable Tray Supports (DC&IC)											
LN0204_402	Procure Cable Tray Grounding (DC&IC, \$1.8/ft)	120	10/03/05	03/27/06																																																	■ Procure Cable Tray Grounding (DC&IC, \$1.8/ft)											
LN0204_404	Procure Gnd Jumpers (DC&IC)	120	10/03/05	03/27/06																																																	■ Procure Gnd Jumpers (DC&IC)											
LN0204_268	RELEASE: RFP - Single Bay Racks (DC/I&C)	0		10/10/05																																																	◆ RELEASE: RFP - Single Bay Racks (DC/I&C)											
LN0204_320	RELEASE: RFP - Double Bay Racks	0		10/10/05																																																	◆ RELEASE: RFP - Double Bay Racks											
LN0204_384	RELEASE: RFP - Cable Tray Material- Tray and Div	0		10/10/05																																																	◆ RELEASE: RFP - Cable Tray Material- Tray and Div											
LN0204_412	RELEASE: RFP - Linac Cableplant Installation-all	0		10/10/05																																																	◆ RELEASE: RFP - Linac Cableplant Installation-all											
LN0204_386	Vendors Prep Proposals - Cable Tray Mtrl- Tray	10	10/11/05	10/24/05																																																	■ Vendors Prep Proposals - Cable Tray Mtrl- Tray											
LN0204_270	Vendors Prep Proposals - Single Bay Racks	20	10/11/05	11/07/05																																																	■ Vendors Prep Proposals - Single Bay Racks											
LN0204_322	Vendors Prep Proposals - Double Bay Racks	20	10/11/05	11/07/05																																																	■ Vendors Prep Proposals - Double Bay Racks											
LN0204_414	Vendors Prep Proposals - Cableplant Instl - all	30	10/11/05	11/21/05																																																	■ Vendors Prep Proposals - Cableplant Instl - all											
LN0204_388	RCV: Proposals - Cable Tray Material- Tray and D	0		10/24/05																																																	◆ RCV: Proposals - Cable Tray Material- Tray and D											
LN0204_390	Evaluate Proposals - Cable Tray Material- Tray a	2	10/25/05	10/26/05																																																	■ Evaluate Proposals - Cable Tray Material- Tray a											
LN0204_392	AWARD: Contract - Cable Tray Material- Tray/Dvdr	1	10/27/05	10/27/05																																																	■ AWARD: Contract - Cable Tray Material- Tray/Dvdr											
LN0204_394	Vendor Fab - Cable Tray Material	60	10/28/05	01/26/06																																																	■ Vendor Fab - Cable Tray Material											
LN0204_272	RCV: Proposals - Single Bay Racks (DC/I&C)	0		11/07/05																																																	◆ RCV: Proposals - Single Bay Racks (DC/I&C)											
LN0204_324	RCV: Proposals - Double Bay Racks	0		11/07/05																																																	◆ RCV: Proposals - Double Bay Racks											
LN0204_274	Evaluate Proposals - Single Bay Racks (DC/I&C)	15	11/08/05	11/30/05																																																	■ Evaluate Proposals - Single Bay Racks (DC/I&C)											
LN0204_326	Evaluate Proposals - Double Bay Racks	15	11/08/05	11/30/05																																																	■ Evaluate Proposals - Double Bay Racks											
LN0204_416	RCV: Proposals - Linac Cableplant Installation	0		11/21/05																																																	◆ RCV: Proposals - Linac Cableplant Installation											
LN0204_418	Evaluate Proposals - Linac Cableplant Instl Cntr	10	11/22/05	12/07/05																																																	■ Evaluate Proposals - Linac Cableplant Instl Cntr											
LN0204_276	AWARD: Contract - Single Bay Racks (DC/I&C)	1	12/01/05	12/01/05																																																	■ AWARD: Contract - Single Bay Racks (DC/I&C)											
LN0204_328	AWARD: Contract - Double Bay Racks	1	12/01/05	12/01/05																																																	■ AWARD: Contract - Double Bay Racks											
LN0204_330	Vendor Fab/Assy - Double Bay Racks	100	12/02/05	04/26/06																																																	■ Vendor Fab/Assy - Double Bay Racks											
LN0204_278	Vendor Fab/Assy - Single Bay Racks	120	12/02/05	05/24/06																																																	■ Vendor Fab/Assy - Single Bay Racks											
LN0204_223	RCV: AC Breakers (108)	0		12/28/05																																																	◆ RCV: AC Breakers (108)											

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<b>1.03.02.04.04 Controls &amp; Power Supply</b>																																																																
LN0204_226	RCV: PS Hubble Plug (80)	0		12/28/05																																																	◆ RCV: PS Hubble Plug (80)											
LN0204_230	RCV: 3 Phase Dist Bus (27)	0		12/28/05																																																	◆ RCV: 3 Phase Dist Bus (27)											
LN0204_234	RCV: Circuit Breaker Panels (27)	0		12/28/05																																																	◆ RCV: Circuit Breaker Panels (27)											
LN0204_238	RCV: Neutral/Ground Pnl. (27)	0		12/28/05																																																	◆ RCV: Neutral/Ground Pnl. (27)											
LN0204_242	RCV: Blank Panels (27)	0		12/28/05																																																	◆ RCV: Blank Panels (27)											
LN0204_246	RCV: AC Wire	0		12/28/05																																																	◆ RCV: AC Wire											
LN0204_250	RCV: Breaker Lock-outs	0		12/28/05																																																	◆ RCV: Breaker Lock-outs											
LN0204_254	RCV: Rack Cooling Fans	0		12/28/05																																																	◆ RCV: Rack Cooling Fans											
LN0204_258	RCV: Rack Hardware (Single Rack)	0		12/28/05																																																	◆ RCV: Rack Hardware (Single Rack)											
LN0204_262	RCV: Rack Hardware (Double Rack)	0		12/28/05																																																	◆ RCV: Rack Hardware (Double Rack)											
LN0204_420	AWARD: Contract - Linac Cableplant Installation	1	12/29/05	12/29/05																																																	AWARD: Contract - Linac Cableplant Installation											
LN0204_396	AVAIL: Cable Tray Material ready for Cableplant	0		01/26/06																																																	◆ AVAIL: Cable Tray Material ready for Cableplant											
LN0204_282	RCV: from Vendor - Single Bay Racks (DC/I&C)-S1	0		01/31/06																																																	◆ RCV: from Vendor - Single Bay Racks (DC/I&C)-S1											
LN0204_334	RCV: from Vendor - Double Bay Racks - Set 1	0		01/31/06																																																	◆ RCV: from Vendor - Double Bay Racks - Set 1											
LN0204_284	Integrate Rack Hardware & Internal AC Wiring-S1	60	02/01/06	04/26/06																																																	■ Integrate Rack Hardware & Internal AC Wiring											
LN0204_336	Integrate Rack Hardware & Internal AC Wiring-S1	60	02/01/06	04/26/06																																																	■ Integrate Rack Hardware & Internal AC Wiring											
LN0204_338	Integrate Rack-Mnted Pwr Supplies & Intra-Cables	60	03/02/06	05/24/06																																																	■ Integrate Rack-Mnted Pwr Supplies & Intra-C											
LN0204_350	RCV: from Vendor - Double Bay Racks - Set 2	0		03/15/06																																																	◆ RCV: from Vendor - Double Bay Racks - Set 2											
LN0204_352	Integrate Rack Hardware & Internal AC Wiring-S2	40	03/16/06	05/10/06																																																	■ Integrate Rack Hardware & Internal AC Wiring											
LN0204_406	RCV: Misc Cable Tray Matrials Ready for Install	0		03/27/06																																																	◆ RCV: Misc Cable Tray Matrials Ready for Insta											
LN0204_294	RCV: from Vendor - Single Bay Racks (DC/I&C)-S2	0		03/29/06																																																	◆ RCV: from Vendor - Single Bay Racks (DC/I&C)											
LN0204_296	Integrate Rack Hardware & Internal AC Wiring-S2	60	03/30/06	06/22/06																																																	■ Integrate Rack Hardware & Internal AC Wir											
LN0204_340	Perform Pre-install Testing Power Supplies-Set 1	45	04/13/06	06/15/06																																																	■ Perform Pre-install Testing Power Supplies											
LN0204_286	Integrate Rack-Mnted Pwr Supplies & Intra-Cables	60	04/13/06	07/07/06																																																	■ Integrate Rack-Mnted Pwr Supplies & Intra											
LN0204_366	RCV: from Vendor - Double Bay Racks - Set 3	0		04/26/06																																																	◆ RCV: from Vendor - Double Bay Racks - Set 3											
LN0204_368	Integrate Rack Hardware & Internal AC Wiring-S3	120	04/27/06	10/16/06																																																	■ Integrate Rack Hardware & Internal A											

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.03.02.04.04 Controls &amp; Power Supply</b>																																																																
LN0204_342	Integrate Rack/Crate-Mnted Controls & Intra-Cbls	60	05/22/06	08/15/06																																																												
LN0204_306	RCV: from Vendor - Single Bay Racks (DC/I&C)-S3	0		05/24/06																																																												
LN0204_308	Integrate Rack Hardware & Internal AC Wiring-S3	60	05/25/06	08/18/06																																																												
LN0204_344	Perform Pre-install Testing Controls - Set 1	30	06/06/06	07/18/06																																																												
LN0204_288	Integrate Rack/Crate-Mnted Controls & Intra-Cbls	40	06/12/06	08/07/06																																																												
LN0204_300	Integrate Rack/Crate-Mnted Controls & Intra-Cbls	60	06/23/06	09/18/06																																																												
LN0204_346	AVAIL: Pre-loaded Dble Racks Ready to Instl-S1	0		07/18/06																																																												
LN0204_422	INITIATE CONTRACT OPTION: Cableplant Instl - L01	0	08/01/06																																																													
LN0204_424	INITIATE CONTRACT OPTION: Cableplant Instl - BC1	0	08/01/06																																																													
LN0204_290	AVAIL: Pre-loaded Sngle Racks Ready to Instl-S1	0		08/07/06																																																												
LN0204_358	Integrate Rack/Crate-Mnted Controls & Intra-Cbls	120	10/03/06	03/27/07																																																												
LN0204_374	Integrate Rack/Crate-Mnted Controls & Intra-Cbls	120	10/17/06	04/10/07																																																												
LN0204_310	Integrate Rack-Mnted Pwr Supplies & Intra-Cables	60	02/28/07	05/22/07																																																												
LN0204_370	Integrate Rack-Mnted Pwr Supplies & Intra-Cables	120	02/28/07	08/16/07																																																												
LN0204_298	Integrate Rack-Mnted Pwr Supplies & Intra-Cables	60	03/02/07	05/24/07																																																												
LN0204_354	Integrate Rack-Mnted Pwr Supplies & Intra-Cables	100	03/02/07	07/23/07																																																												
LN0204_372	Perform Pre-install Testing Power Supplies-Set 3	45	03/14/07	05/15/07																																																												
LN0204_356	Perform Pre-install Testing Power Supplies-Set 2	45	03/16/07	05/17/07																																																												
LN0204_312	Integrate Rack/Crate-Mnted Controls & Intra-Cbls	60	03/20/07	06/12/07																																																												
LN0204_360	Perform Pre-install Testing Controls - Set 2	30	03/28/07	05/08/07																																																												
LN0204_376	Perform Pre-install Testing Controls - Set 3	30	04/11/07	05/22/07																																																												
LN0204_434	INITIATE CONTRACT OPTION: Cableplant Instl - E-D	0	04/20/07																																																													
LN0204_362	AVAIL: Pre-loaded Dble Racks Ready to Instl-S2	0		05/17/07																																																												
LN0204_378	AVAIL: Pre-loaded Dble Racks Ready to Instl-S3	0		05/22/07																																																												
LN0204_302	AVAIL: Pre-loaded Sngle Racks Ready to Instl-S2	0		05/24/07																																																												
LN0204_314	AVAIL: Pre-loaded Sngle Racks Ready to Instl-S3	0		06/12/07																																																												

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.03.02.04.04 Controls &amp; Power Supply</b>																																																																
LN0204_426	INITIATE CONTRACT OPTION: Cableplant Instl - L02	0	07/02/07																																																													
LN0204_428	INITIATE CONTRACT OPTION: Cableplant Instl - BC2	0	07/02/07																																																													
LN0204_430	INITIATE CONTRACT OPTION: Cableplant Instl - L03	0	07/02/07																																																													
LN0204_432	INITIATE CONTRACT OPTION: Cableplant Instl - LTU	0	07/03/07																																																													
<b>1.03.02.05 Controls - LLRF</b>																																																																
LN02050225	AVAIL: Beam Phz Monitor Cntrls Ready to Integ	0		05/28/04																																																												
LN0205	LINAC LLRF CONTROLS SUMMARY	443	06/01/04	03/07/06																																																												
LN02050000	Finalize Specification Requirements	60	10/18/04	01/14/05																																																												
LN02050010	COMP: Linac LLRF Requirements Definition	0		01/14/05																																																												
LN02050100	Define LLRF BP Mon Cntrls Reqmts @ Sec24/30	21	01/18/05	02/15/05																																																												
LN02050015	Intitial Controls Design	80	01/18/05	05/10/05																																																												
LN02050030	RF Controls Coordination & Documentation	120	01/18/05	07/07/05																																																												
LN02050241	Design LLRF (BLM sec/24/30)	169	01/18/05	09/15/05																																																												
LN02050020	RF Controls Hardware Design	80	02/01/05	05/24/05																																																												
LN02050105	COMP: LLRF Bm Phz Monitor Cntr Reqmts @ Sec24/30	0		02/15/05																																																												
LN02050025	RF Controls Software Design	90	03/02/05	07/07/05																																																												
LN02050035	LLRF Controls Design Review	3	07/08/05	07/12/05																																																												
LN02050040	COMP: Linac LLRF Controls Design	0		07/12/05																																																												
LN02050110	Design LLRF BP Mon Cntrls @ Sec24/30	21	07/13/05	08/10/05																																																												
LN02050115	Design Review	15	08/11/05	08/31/05																																																												
LN02050120	Design Modifications	21	09/01/05	09/30/05																																																												
LN02050255	COMP: LLRF BL Mon Controls @ Sec24/30 Design	0		09/15/05																																																												
LN02050125	COMP: LLRF Bm Phz Monitor Controls @ Sec24/30	0		09/30/05																																																												
LN02050045	Construction Funds Available - Begin Procurement	0	10/03/05																																																													
LN02050206	Write LLRF S/W Docmntatn (sec 24/30)	5	10/03/05	10/07/05																																																												
LN02050130	Procure Linac LLRF Hardware	60	10/03/05	12/28/05																																																												

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.03.02.05 Controls - LLRF</b>																																																																
LN02050260	Procure LLRF BL Mon Cntrls hardware	60	10/03/05	12/28/05																									■ Procure LLRF BL Mon Cntrls hardware																																			
LN02050201	Build LLRF H/W and Write Docmntatn (sec 24/30)	21	11/29/05	12/28/05																									■ Build LLRF H/W and Write Docmntatn (sec 24/30)																																			
LN02050195	RCV: Procured parts - Bm Phz Monitor Cntrls	0		12/28/05																									◆ RCV: Procured parts - Bm Phz Monitor Cntrls																																			
LN02050265	RCV: Procured parts	0		12/28/05																									◆ RCV: Procured parts																																			
LN02050207	Integrate and Test (sec 24/30)	46	12/29/05	03/07/06																									■ Integrate and Test (sec 24/30)																																			
LN02050266	Integrate and Test (BLM sec 24/30)	46	12/29/05	03/07/06																									■ Integrate and Test (BLM sec 24/30)																																			
LN02050295	AVAIL: Bnch Length Monitor Cntrls Ready to Integ	0		03/07/06																									◆ AVAIL: Bnch Length Monitor Cntrls Ready to Integ																																			
<b>1.03.02.06 Controls - E-Beam Diagnostic</b>																																																																
<b>1.03.02.06.01 Controls - Wire Scanners</b>																																																																
LN02060118	Generate Detailed Procurement Plan	1	03/30/05	03/30/05																									Generate Detailed Procurement Plan																																			
LN02060100	Design Wire Scanners	73	03/30/05	07/12/05																									■ Design Wire Scanners																																			
LN020601	CONTROLS - WIRE SCANNERS SUMMARY	239	03/30/05	03/10/06																									■ CONTROLS - WIRE SCANNERS SUMMARY																																			
LN02060120	Establish Subordinate Work Orders	1	03/31/05	03/31/05																									Establish Subordinate Work Orders																																			
LN02060126	COMP: Design - Release for Fab	0		07/12/05																									◆ COMP: Design - Release for Fab																																			
LN02060127	Construction Funds Available - Begin Procurement	0		09/30/05																									◆ Construction Funds Available - Begin Procurement																																			
LN02060130	AWARD Wire Scanner Hardware (5)	1	10/03/05	10/03/05																									AWARD Wire Scanner Hardware (5)																																			
LN02060176	Write Software - Wire Scanners	20	10/03/05	10/28/05																									■ Write Software - Wire Scanners																																			
LN02060166	Procure Wire Scanner Hardware (5)	20	10/04/05	10/31/05																									■ Procure Wire Scanner Hardware (5)																																			
LN02060178	Write Documentation - Wire Scanners	5	10/31/05	11/04/05																									Write Documentation - Wire Scanners																																			
LN02060170	Build Wire Scanner H/W (19)	38	11/01/05	12/27/05																									■ Build Wire Scanner H/W (19)																																			
LN02060179	Integrate and Test Wire Scanners (19)	50	12/28/05	03/10/06																									■ Integrate and Test Wire Scanners (19)																																			
LN02060186	AVAIL: Controls Equip Ready for Integ into Racks	0		03/10/06																									◆ AVAIL: Controls Equip Ready for Integ into Ra																																			
<b>1.03.02.06.02 Controls - BPMs</b>																																																																
LN02062425	Design BC1 BPMS	101	10/04/04	03/02/05																									■ Design BC1 BPMS																																			
LN020621	CONTROLS - BPM (Standard Linac) SUMMARY	379	10/04/04	04/07/06																									■ CONTROLS - BPM (Standard Linac) SUMMARY																																			
LN020622	CONTROLS - BPM (RF) SUMMARY	379	10/04/04	04/07/06																									■ CONTROLS - BPM (RF) SUMMARY																																			
LN020623	CONTROLS - BPM (LTU) SUMMARY	379	10/04/04	04/07/06																									■ CONTROLS - BPM (LTU) SUMMARY																																			

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	Fiscal Year											
					FY04	FY05	FY06	FY07	FY08							
<b>1.03.02.06.02 Controls - BPMs</b>																
LN020624	CONTROLS - BPM (BC1) SUMMARY	379	10/04/04	04/07/06	<b>CONTROLS - BPM (BC1) SUMMARY</b>											
LN02062105	Design LINAC LIU BPMs	41	01/10/05	03/09/05	■ Design LINAC LIU BPMs											
LN02062426	COMP: Controls Design - BC1 BPMs	0		03/02/05	◆ COMP: Controls Design - BC1 BPMs											
LN02062140	Write Software - Standard BPMs	5	03/03/05	03/09/05	■ Write Software - Standard BPMs											
LN02062126	COMP: Controls Design - Standard BPMs	0		03/09/05	◆ COMP: Controls Design - Standard BPMs											
LN02062118	Generate Detailed Procurement Plan	1	03/10/05	03/10/05	■ Generate Detailed Procurement Plan											
LN02062142	Write Documentation- Standard BPMs	5	03/10/05	03/16/05	■ Write Documentation- Standard BPMs											
LN02062106	Perform Design & Coordination	11	03/10/05	03/24/05	■ Perform Design & Coordination											
LN02062120	Establish Subordinate Work Orders	1	03/11/05	03/11/05	■ Establish Subordinate Work Orders											
LN02062225	Design RF BPMs	139	05/09/05	11/22/05	■ Design RF BPMs											
LN02062320	Design LTU BPMs	101	09/15/05	02/09/06	■ Design LTU BPMs											
LN02062127	Construction Funds Available - Begin Procurement	0		09/30/05	◆ Construction Funds Available - Begin Procurement											
LN02062128	AWARD BPMs and Cables (143)	1	10/03/05	10/03/05	■ AWARD BPMs and Cables (143)											
LN02062134	AWARD BPMs and Cables (143)	1	10/03/05	10/03/05	■ AWARD BPMs and Cables (143)											
LN02062439	Build H/W (4) BC1 BPMs	22	10/03/05	11/01/05	■ Build H/W (4) BC1 BPMs											
LN02062129	Procure BPMs and Cables (143)	20	10/04/05	10/31/05	■ Procure BPMs and Cables (143)											
LN02062135	Procure BPMs and Cables (143)	20	10/04/05	10/31/05	■ Procure BPMs and Cables (143)											
LN02062139	Build LIU H/W	58	11/01/05	01/26/06	■ Build LIU H/W											
LN02062440	Write Software - BC1 BPMs	5	11/02/05	11/08/05	■ Write Software - BC1 BPMs											
LN02062442	Write Documentation- BC1 BPMs	5	11/09/05	11/15/05	■ Write Documentation- BC1 BPMs											
LN02062443	Integration and Test BC1 BPMs	8	11/16/05	11/29/05	■ Integration and Test BC1 BPMs											
LN02062226	COMP: Controls Design - RF BPMs	0		11/22/05	◆ COMP: Controls Design - RF BPMs											
LN02062229	Build RF BPM H/W	21	11/23/05	12/23/05	■ Build RF BPM H/W											
LN02062448	AVAIL: BPM Cntrls Eq Ready for Rack Integ	0		11/29/05	◆ AVAIL: BPM Cntrls Eq Ready for Rack Integ											
LN02062234	Write Software - RF BPMs	20	12/27/05	01/25/06	■ Write Software - RF BPMs											
LN02062236	Write Documentation- RF BPMs	5	01/26/06	02/01/06	■ Write Documentation- RF BPMs											

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.03.02.06.02 Controls - BPMs</b>																																																																
LN02062144	Integrate and Test LIU BPMs	28	01/27/06	03/08/06																									■ Integrate and Test LIU BPMs																																			
LN02062237	Integrate and Test RF BPMs	6	02/02/06	02/09/06																									■ Integrate and Test RF BPMs																																			
LN02062244	AVAIL: BPM Cntrls Eq Ready for Rack Integ	0		02/09/06																									◆ AVAIL: BPM Cntrls Eq Ready for Rack Integ																																			
LN02062326	COMP: Controls Design - LTU BPMs	0		02/09/06																									◆ COMP: Controls Design - LTU BPMs																																			
LN02062327	Build H/W (4) LTU BPMs	22	02/10/06	03/14/06																									■ Build H/W (4) LTU BPMs																																			
LN02062150	AVAIL: BPM Cntrls Eq Ready for Rack Integ	0		03/08/06																									◆ AVAIL: BPM Cntrls Eq Ready for Rack Integ																																			
LN02062340	Write Software - LTU BPMs	5	03/15/06	03/21/06																									■ Write Software - LTU BPMs																																			
LN02062342	Write Documentation- LTU BPMs	5	03/22/06	03/28/06																									■ Write Documentation- LTU BPMs																																			
LN02062347	Integrate and Test LTU BPMs	8	03/29/06	04/07/06																									■ Integrate and Test LTU BPMs																																			
LN02062348	AVAIL: BPM Cntrls Eq Ready for Rack Integ	0		04/07/06																									◆ AVAIL: BPM Cntrls Eq Ready for Rack Integ																																			
<b>1.03.02.06.03 Controls - Toroids</b>																																																																
LN02060325	Design LINAC Toroids	121	12/15/04	06/09/05													■ Design LINAC Toroids																																															
LN020603	CONTROLS - TOROIDS (6) SUMMARY	308	12/15/04	03/09/06													■ CONTROLS - TOROIDS (6) SUMMARY																																															
LN02060326	COMP: Controls Design - Toroids	0		06/09/05																									◆ COMP: Controls Design - Toroids																																			
LN02060327	Construction Funds Available - Begin Procurement	0		09/30/05																									◆ Construction Funds Available - Begin Procurement																																			
LN02060330	AWARD Torroid Shielding, Preamps, Hardware (6)	1	10/03/05	10/03/05																									■ AWARD Torroid Shielding, Preamps, Hardware (6)																																			
LN02060331	Procure Torroid Shielding, Preamps, Hardware (6)	45	10/03/05	12/06/05																									■ Procure Torroid Shielding, Preamps, Hardware (6)																																			
LN02060340	Build Hardware (Toroids)	41	12/07/05	02/06/06																									■ Build Hardware (Toroids)																																			
LN02060358	Write Software - Toroids	5	02/07/06	02/13/06																									■ Write Software - Toroids																																			
LN02060360	Write Documentation - Toroids	5	02/14/06	02/21/06																									■ Write Documentation - Toroids																																			
LN02060361	Integrate and Test Toroids	12	02/22/06	03/09/06																									■ Integrate and Test Toroids																																			
LN02060366	AVAIL: Toroids Cntrls Eq Ready for Rack Integ	0		03/09/06																									◆ AVAIL: Toroids Cntrls Eq Ready for Rack Integ																																			
<b>1.03.02.06.04 Controls - Stoppers</b>																																																																
LN02060428	Construction Funds Available - Begin Procurement	0		09/30/05																									◆ Construction Funds Available - Begin Procurement																																			
LN02060400	Receive System Requirements	5	10/03/05	10/07/05																									■ Receive System Requirements																																			
LN020604	CONTROLS - STOPPERS SUMMARY	173	10/03/05	06/09/06													■ CONTROLS - STOPPERS SUMMARY																																															

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.03.02.06.04 Controls - Stoppers</b>																																																																
LN02060425	Design LNAC Stoppers	56	10/10/05	12/29/05																									■ Design LNAC Stoppers																																			
LN02060426	COMP: Controls Design - Stoppers	0		12/29/05																																					◆ COMP: Controls Design - Stoppers																							
LN02060430	Procure Stopper Controls Hdwr/Eq	20	12/30/05	01/30/06																									■ Procure Stopper Controls Hdwr/Eq																																			
LN02060432	Build Stopper Controls H/W	41	01/31/06	03/29/06																									■ Build Stopper Controls H/W																																			
LN02060438	Write Software - Stoppers	20	03/30/06	04/26/06																									■ Write Software - Stoppers																																			
LN02060440	Write Documentation - Stoppers	5	04/27/06	05/03/06																									■ Write Documentation - Stoppers																																			
LN02060446	Integrate and Test Stopper Controls	26	05/04/06	06/09/06																									■ Integrate and Test Stopper Controls																																			
LN02060448	AVAIL: Stoppers Cntrls Eq Ready for Rack Integ	0		06/09/06																																					◆ AVAIL: Stoppers Cntrls Eq Ready for Rack																							
<b>1.03.02.06.05 Controls - Profile Monitors</b>																																																																
LN02060528	Construction Funds Available - Begin Procurement	0		09/30/05																																					◆ Construction Funds Available - Begin Procurement																							
LN02060500	Receive System Requirements	5	10/03/05	10/07/05																									■ Receive System Requirements																																			
LN020605	CONTROLS - PROFILE MONITORS (20) SUMMARY	159	10/03/05	05/19/06																									■ CONTROLS - PROFILE MONITORS (20) SUMMARY																																			
LN02060525	Design LINAC Profile Monitors	72	10/10/05	01/24/06																									■ Design LINAC Profile Monitors																																			
LN02060526	COMP: Controls Design - Profile Monitors	0		01/24/06																																					◆ COMP: Controls Design - Profile Monitors																							
LN02060530	AWARD Monitor Hardware (20 Units)	1	01/25/06	01/25/06																									■ AWARD Monitor Hardware (20 Units)																																			
LN02060532	Procure Monitor Hardware (20 Units)	20	01/25/06	02/22/06																									■ Procure Monitor Hardware (20 Units)																																			
LN02060556	Procure VME Cable - DAC (1)	20	02/23/06	03/22/06																									■ Procure VME Cable - DAC (1)																																			
LN02060558	Build Wire Profile Monitor H/W in Lab (4)	6	03/23/06	03/30/06																									■ Build Wire Profile Monitor H/W in Lab (4)																																			
LN02060562	Write Software - Profile Monitors	5	03/31/06	04/06/06																									■ Write Software - Profile Monitors																																			
LN02060564	Write Documentation - Profile Monitors	5	04/07/06	04/13/06																									■ Write Documentation - Profile Monitors																																			
LN02060570	Integrate and Test Profile Monitors	26	04/14/06	05/19/06																									■ Integrate and Test Profile Monitors																																			
LN02060572	AVAIL: Prof Montr Cntrls Eq Ready for Rack Integ	0		05/19/06																																					◆ AVAIL: Prof Montr Cntrls Eq Ready for Rack																							
<b>1.03.02.06.06 Controls - E/O Diagnostics</b>																																																																
LN02060600	Receive System Requirements	5	12/15/04	12/21/04																									■ Receive System Requirements																																			
LN020606	CONTROLS - E/O DIAGNOSTICS SUMMARY	297	12/15/04	02/22/06																									■ CONTROLS - E/O DIAGNOSTICS SUMMARY																																			
LN02060620	Design E/O Diagnostics	220	12/22/04	11/04/05																									■ Design E/O Diagnostics																																			



Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.03.02.06.06 Controls - E/O Diagnostics</b>																																																																
LN02060627	Construction Funds Available - Begin Procurement	0		09/30/05																																																	◆ Construction Funds Available - Begin Procurement											
LN02060626	COMP: Controls Design - E/O Diagnostics	0		11/04/05																																																	◆ COMP: Controls Design - E/O Diagnostics											
LN02060628	Procure E/O Electronics	20	11/07/05	12/06/05																																																	■ Procure E/O Electronics											
LN02060644	Write Software - E/O Diagnostics	20	12/07/05	01/05/06																																																	■ Write Software - E/O Diagnostics											
LN02060643	Build H/W (E/O Diagnostics)	26	12/07/05	01/13/06																																																	■ Build H/W (E/O Diagnostics)											
LN02060646	Write Documentation - E/O Electronics	5	01/06/06	01/12/06																																																	■ Write Documentation - E/O Electronics											
LN02060653	Integrate and Test E/O Electronics	26	01/17/06	02/22/06																																																	■ Integrate and Test E/O Electronics											
LN02060654	AVAIL: E/O Diag Cntrls Eq Ready for Rack Integ	0		02/22/06																																																	◆ AVAIL: E/O Diag Cntrls Eq Ready for Rack Integ											
<b>1.03.02.06.07 Controls - Bunch Length Monitors</b>																																																																
LN02060727	Construction Funds Available - Begin Procurement	0		09/30/05																																																	◆ Construction Funds Available - Begin Procurement											
LN02060700	Receive System Requirements	5	10/03/05	10/07/05																																																	■ Receive System Requirements											
LN02060734	Write Software - BLM Diagnostics	20	10/03/05	10/28/05																																																	■ Write Software - BLM Diagnostics											
LN020607	CONTROLS - BUNCH LENGTH MONITORS SUMMARY	138	10/03/05	04/20/06																																																	■ CONTROLS - BUNCH LENGTH MONITORS SUMMARY											
LN02060725	Design Bunch Length Monitors	61	10/10/05	01/06/06																																																	■ Design Bunch Length Monitors											
LN02060736	Write Documentation - BLM Diagnostics	5	10/31/05	11/04/05																																																	■ Write Documentation - BLM Diagnostics											
LN02060726	COMP: Controls Design - Bunch Length Monitors	0		01/06/06																																																	◆ COMP: Controls Design - Bunch Length Monitors											
LN02060728	Procure BLM Controls Hdwr/Eq	20	01/09/06	02/06/06																																																	■ Procure BLM Controls Hdwr/Eq											
LN02060733	Build BLM Hardware	26	02/07/06	03/15/06																																																	■ Build BLM Hardware											
LN02060743	Integrate and Test BLM	26	03/16/06	04/20/06																																																	■ Integrate and Test BLM											
LN02060744	AVAIL: Bnch Lngth Cntrls Eq Ready for Rack Integ	0		04/20/06																																																	◆ AVAIL: Bnch Lngth Cntrls Eq Ready for Rack Integ											
<b>1.03.02.06.08 Controls - Beam Loss Monitors</b>																																																																
LN02060827	Construction Funds Available - Begin Procurement	0		09/30/05																																																	◆ Construction Funds Available - Begin Procurement											
LN02060800	Receive System Requirements	5	10/03/05	10/07/05																																																	■ Receive System Requirements											
LN020608	CONTROLS - BEAM LOSS MONITORS (PLIC) SUMMARY	154	10/03/05	05/12/06																																																	■ CONTROLS - BEAM LOSS MONITORS (PLIC) SUMMARY											
LN02060825	Design Beam Loss Monitors	51	10/10/05	12/21/05																																																	■ Design Beam Loss Monitors											
LN02060826	COMP: Controls Design - Beam Loss Monitors	0		12/21/05																																																	◆ COMP: Controls Design - Beam Loss Monitors											

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.03.02.06.08 Controls - Beam Loss Monitors</b>																																																																
LN02060828	Procure BLM Controls Hdwr/Eq	20	12/22/05	01/23/06																									■ Procure BLM Controls Hdwr/Eq																																			
LN02060833	Build Beam Loss Monitor	27	01/24/06	03/02/06																									■ Build Beam Loss Monitor																																			
LN02060834	Write Software - Bm Lss Mon Diagnostics	20	03/03/06	03/30/06																									■ Write Software - Bm Lss Mon Diagnostics																																			
LN02060836	Write Documentation - Bm Lss Mon Diagnostics	5	03/31/06	04/06/06																									■ Write Documentation - Bm Lss Mon Diagnostic																																			
LN02060843	Integrate & Test	26	04/07/06	05/12/06																									■ Integrate & Test																																			
LN02060844	AVAIL: Bm Lss Mon Cntrls Eq Ready for Rack Integ	0		05/12/06																									◆ AVAIL: Bm Lss Mon Cntrls Eq Ready for Ra																																			
<b>1.03.02.06.09 Controls - Single Beam Dump</b>																																																																
LN02060927	Construction Funds Available - Begin Procurement	0		09/30/05																									◆ Construction Funds Available - Begin Procurement																																			
LN020609	CONTROLS - SINGLE BEAM DUMP SUMMARY	359	10/03/05	03/08/07																									■ CONTROLS - SINGLE BEAM D																																			
LN02060900	Receive System Requirements	5	10/03/06	10/09/06																									■ Receive System Requirements																																			
LN02060925	Design Single Beam Dump	45	10/10/06	12/13/06																									■ Design Single Beam Dump																																			
LN02060926	COMP: Controls Design - Single Beam Dump	0		12/13/06													COMP: Controls Design - Single Beam Dump												◆																																			
LN02060929	Single Beam Dump Hardware	20	12/14/06	01/12/07																									■ Single Beam Dump Hardware																																			
LN02060938	Write Software - Single Beam Dump	20	01/16/07	02/12/07																									■ Write Software - Single Beam Dump																																			
LN02060937	Build Single Beam Dump H/W	21	01/16/07	02/13/07																									■ Build Single Beam Dump H/W																																			
LN02060940	Write Documentation - Single Beam Dump	5	02/13/07	02/20/07																									■ Write Documentation - Single Beam Dump																																			
LN02060947	Integrate and Test Signle Beam Dump	12	02/21/07	03/08/07																									■ Integrate and Test Signle Beam Dump																																			
LN02060948	AVAIL: Sngl Bm DmpCntrls Eq Ready for Rack Integ	0		03/08/07																									◆ AVAIL: Sngl Bm DmpCntrls Eq Ready for Rack Inte																																			
<b>1.03.02.06.10 Controls - E Beam Dump</b>																																																																
LN02061027	Construction Funds Available - Begin Procurement	0		09/30/05																									◆ Construction Funds Available - Begin Procurement																																			
LN020610	CONTROLS - E-BEAM DUMP SUMMARY	158	10/03/05	05/18/06																									■ CONTROLS - E-BEAM DUMP SUMMARY																																			
LN02061000	Receive System Requirements	5	10/31/05	11/04/05																									■ Receive System Requirements																																			
LN02061025	Design E Beam Dump	61	11/07/05	02/06/06																									■ Design E Beam Dump																																			
LN02061026	COMP: Controls Design - E Beam Dump	0		02/06/06																									◆ COMP: Controls Design - E Beam Dump																																			
LN02061028	Procure E-Beam Dump Controls Hdwr/Eq	20	02/07/06	03/07/06																									■ Procure E-Beam Dump Controls Hdwr/Eq																																			
LN02061033	Build E Beam Dump H/W	21	02/07/06	03/08/06																									■ Build E Beam Dump H/W																																			

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.03.02.06.10 Controls - E Beam Dump</b>																																																																
LN02061034	Write Software - E Beam Dump	20	03/09/06	04/05/06																																																	■ Write Software - E Beam Dump											
LN02061036	Write Documentation - E Beam Dump	5	04/06/06	04/12/06																																																	■ Write Documentation - E Beam Dump											
LN02061043	Integrate and Test	26	04/13/06	05/18/06																																																	■ Integrate and Test											
LN02061044	AVAIL: E Bm Dmp Cntrls Eq Ready for Rack Integ	0		05/18/06																																																	◆ AVAIL: E Bm Dmp Cntrls Eq Ready for Rac											
<b>1.03.02.06.11 Controls - Protection Collimator</b>																																																																
LN02061127	Construction Funds Available - Begin Procurement	0		09/30/05																																																	◆ Construction Funds Available - Begin Procurement											
LN020611	CONTROLS - PROTECTION COLLIMATOR SUMMARY	252	10/03/05	10/02/06																																																	■ CONTROLS - PROTECTION COLLIMA											
LN02061100	Receive System Requirements	5	03/28/06	04/03/06																																																	■ Receive System Requirements											
LN02061125	Design Moveable Protection Collimator	55	04/04/06	06/20/06																																																	■ Design Moveable Protection Collimator											
LN02061126	COMP: Controls Design - Protection Collimators	0		06/20/06																																																	◆ COMP: Controls Design - Protection Colli											
LN02061129	Movable Collimator Hardware	20	06/21/06	07/19/06																																																	■ Movable Collimator Hardware											
LN02061165	Build Collimator H/W	21	06/21/06	07/20/06																																																	■ Build Collimator H/W											
LN02061166	Write Software - Prot Collimator	20	07/21/06	08/17/06																																																	■ Write Software - Prot Collimator											
LN02061168	Write Documentation - Prot Collimator	5	08/18/06	08/24/06																																																	■ Write Documentation - Prot Collimator											
LN02061175	Integrate and Test	26	08/25/06	10/02/06																																																	■ Integrate and Test											
LN02061176	AVAIL: Prot Coll Cntrls Eq Ready for Rack Integ	0		10/02/06																																																	◆ AVAIL: Prot Coll Cntrls Eq Ready for											
<b>1.03.02.06.12 Controls - Movable Collimator</b>																																																																
LN02061200	Receive System Requirements	5	12/15/04	12/21/04																																																	■ Receive System Requirements											
LN020612	CONTROLS - MOVABLE COLLIMATORS SUMMARY	272	12/15/04	01/17/06																																																	■ CONTROLS - MOVABLE COLLIMATORS SUMMARY											
LN02061225	Design Collimator Controls	61	12/22/04	03/23/05																																																	■ Design Collimator Controls											
LN02061226	COMP: Controls Design - Movable Collimators	0		03/23/05																																																	◆ COMP: Controls Design - Movable Collimators											
LN02061227	Construction Funds Available - Begin Procurement	0		09/30/05																																																	◆ Construction Funds Available - Begin Procurement											
LN02061228	Procure Movable Collimator Controls Hdwr/Eq	0	10/03/05	09/30/05																																																	■ Procure Movable Collimator Controls Hdwr/Eq											
LN02061233	Build Collimator H/W	21	10/03/05	10/31/05																																																	■ Build Collimator H/W											
LN02061234	Write Software - Movable Collimator	20	11/01/05	11/30/05																																																	■ Write Software - Movable Collimator											
LN02061236	Write Documentation - Movable Collimator	5	12/01/05	12/07/05																																																	■ Write Documentation - Movable Collimator											

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.03.02.06.12 Controls - Movable Collimator</b>																																																																
LN02061243	Integrate and Test	26	12/08/05	01/17/06																									■ Integrate and Test																																			
LN02061244	AVAIL: Move Coll Cntrls Eq Ready for Rack Integ	0		01/17/06																																					◆ AVAIL: Move Coll Cntrls Eq Ready for Rack Integ																							
<b>1.03.02.06.13 Controls - X-Band Accel Structure</b>																																																																
LN02061327	Construction Funds Available - Begin Procurement	0		09/30/05																																					◆ Construction Funds Available - Begin Procurement																							
LN02061300	Receive System Requirements	5	10/03/05	10/07/05																																					■ Receive System Requirements																							
LN020613	CONTROLS - X-BAND ACCEL STRUCTURE SUMMARY	117	10/03/05	03/22/06																									■ CONTROLS - X-BAND ACCEL STRUCTURE SUMMARY																																			
LN02061325	Design X Band Controls	61	10/10/05	01/06/06																									■ Design X Band Controls																																			
LN02061326	COMP: Controls Design - X Band Accel Structures	0		01/06/06																																					◆ COMP: Controls Design - X Band Accel Structures																							
LN02061328	Procure X-Band Accel Struct Controls Hdwr/Eq	20	01/09/06	02/06/06																									■ Procure X-Band Accel Struct Controls Hdwr/Eq																																			
LN02061333	Build X-Band H/W	20	01/09/06	02/06/06																									■ Build X-Band H/W																																			
LN02061334	Write Software - X Band Accel Structure	20	01/09/06	02/06/06																									■ Write Software - X Band Accel Structure																																			
LN02061336	Write Documentation - X Band Accel Structure	5	02/07/06	02/13/06																									■ Write Documentation - X Band Accel Structure																																			
LN02061343	Integrate and Test	26	02/14/06	03/22/06																									■ Integrate and Test																																			
LN02061344	AVAIL: X Bnd Stru Cntrls Eq Ready for Rack Integ	0		03/22/06																																					◆ AVAIL: X Bnd Stru Cntrls Eq Ready for Rack Integ																							
<b>1.03.02.08 Controls - Timing</b>																																																																
LN02080000	Finalize Linac Timing Subsystem Requirements	10	06/23/05	07/07/05																									■ Finalize Linac Timing Subsystem Requirements																																			
LN0208	LINAC TIMING SUMMARY	116	06/23/05	12/07/05																									■ LINAC TIMING SUMMARY																																			
LN02080005	COMP: Linac Timing Subsystem Requirements	0		07/07/05																																					◆ COMP: Linac Timing Subsystem Requirements																							
LN02080010	Linac Timing Subsystem Design	50	07/08/05	09/16/05																									■ Linac Timing Subsystem Design																																			
LN02080015	COMP: Controls Design - Linac Timing	0		09/16/05																																					◆ COMP: Controls Design - Linac Timing																							
LN02080025	Prep Bid Pak - Linac Timing Modules	5	09/19/05	09/23/05																									■ Prep Bid Pak - Linac Timing Modules																																			
LN02080030	RELEASE: RFP - Linac Timing Modules	0		09/23/05																																					◆ RELEASE: RFP - Linac Timing Modules																							
LN02080035	Vendors Prep Proposals - Timing Cntrls Equipment	5	09/26/05	09/30/05																									■ Vendors Prep Proposals - Timing Cntrls Equipment																																			
LN02080040	RCV: Vendor Proposals	0		09/30/05																																					◆ RCV: Vendor Proposals																							
LN02080020	Construction Funds Available - Begin Procurement	0	10/03/05																																						◆ Construction Funds Available - Begin Procurement																							
LN02080045	Evaluate Vendor Proposals	5	10/03/05	10/07/05																									■ Evaluate Vendor Proposals																																			

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.03.02.08 Controls - Timing</b>																																																																
LN02080050	AWARD: Contract - Linac Timing Modules	1	10/10/05	10/10/05																																																												
LN02080060	Vendor Fab & Assy - Timing modules (SLC to VME)	40	10/11/05	12/07/05																																																												
LN02080065	RCV: Linac Timing Equip/Material Ready for Integ	0		12/07/05																																																												
<b>1.03.02.09 Controls - Vacuum</b>																																																																
LN02090100	RELEASE: RFP - Vacuum Gauge Chassis (4)	0		05/28/04																																																												
LN02090120	RELEASE: RFP - Vacuum Gauge Chassis (4)	0		05/28/04																																																												
LN0209	VACUUM CONTROLS SUMMARY	493	06/01/04	05/16/06																																																												
LN02090070	Construction Funds Available - Begin Procurement	0	10/03/05																																																													
LN02090102	Vendors Prep Proposals - Vacuum Gauge Chassis	5	10/03/05	10/07/05																																																												
LN02090122	Vendors Prep Proposals - Vacuum Gauge Chassis	5	10/03/05	10/07/05																																																												
LN02090104	RCV: Vendor Proposals - Vacuum Gauge Chassis (4)	0		10/07/05																																																												
LN02090124	RCV: Vendor Proposals - Vacuum Gauge Chassis (4)	0		10/07/05																																																												
LN02090065	COMP: Controls Design - Linac Vacuum	0		01/20/06																																																												
LN02090080	RELEASE: RFP - Vacuum Valve Chassis (4)	0		01/27/06																																																												
LN02090082	Vendors Prep Proposals - Vacuum Valve Chassis	5	01/30/06	02/03/06																																																												
LN02090084	RCV: Vendor Proposals - Vacuum Valve Chassis	0		02/03/06																																																												
LN02090092	RCV: from Vendor - Vacuum Valve Chassis (4)	0		03/14/06																																																												
LN02090112	RCV: from Vendor - Vacuum Gauge Chassis (4)	0		03/14/06																																																												
LN02090132	RCV: from Vendor - Vacuum Pump 4 Ch. Chassis (4)	0		03/14/06																																																												
LN02090200	RCV: Procured Equipment	0		03/14/06																																																												
LN02090235	AVAIL: Vac Controls Equip Ready for Install	0		05/16/06																																																												
<b>1.03.02.09.01 Controls - Vacuum Instrumentation &amp; Interlocks</b>																																																																
LN02090000	Receive System Requirements	5	10/03/05	10/07/05																																																												
LN02090061	Design - Vacuum Instrumentation	70	10/10/05	01/20/06																																																												
LN02090078	Prep Bid Pak - Vac H/W	5	01/23/06	01/27/06																																																												
LN02090196	Procure Vacuum Instrumentation & Interlocks H/W	20	01/23/06	02/17/06																																																												

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.03.02.09.01 Controls - Vacuum Instrumentation &amp; Interlocks</b>																																																																
LN02090086	Evaluate Vendor Proposals - Vac H/W	5	02/06/06	02/10/06																																																	Evaluate Vendor Proposals - Vac H/W											
LN02090205	Build Vacuum Control H/W	6	03/15/06	03/22/06																																																	Build Vacuum Control H/W											
LN02090215	Write Software - Vac Controls	5	03/23/06	03/29/06																																																	Write Software - Vac Controls											
LN02090220	Write Documentation - Vac Controls	5	03/30/06	04/05/06																																																	Write Documentation - Vac Controls											
LN02090226	Integrate & Test	29	04/06/06	05/16/06																																																	Integrate & Test											
<b>1.03.02.09.02 Controls - Vacuum Pump Power Supplies</b>																																																																
LN02090088	AWARD: Contract - Vacuum Valve Chassis (4)	1	02/13/06	02/13/06																																																	AWARD: Contract - Vacuum Valve Chassis (4)											
LN02090090	Vendor Fab & Assy - Vacuum Valve Chassis (4)	20	02/14/06	03/14/06																																																	Vendor Fab & Assy - Vacuum Valve Chassis (4)											
<b>1.03.02.10 Software &amp; Controls Infrastructure</b>																																																																
<b>1.03.02.10.04 Data Communications</b>																																																																
LN02100400	Supervise Equipment Installation	30	03/30/05	05/10/05																																																	Supervise Equipment Installation											
LN021004	DATA COMMUNICATIONS SUMMARY	304	03/30/05	06/12/06																																																	DATA COMMUNICATIONS SUMMARY											
LN02100405	Upgrade/Establish BDF	1	05/11/05	05/11/05																																																	Upgrade/Establish BDF											
LN02100410	SEM Install Wall Board	10	05/12/05	05/25/05																																																	SEM Install Wall Board											
LN02100415	SEM Install Two 20 A Circuits	20	05/26/05	06/23/05																																																	SEM Install Two 20 A Circuits											
LN02100420	Single Mode Fiber Installation	1	06/24/05	06/24/05																																																	Single Mode Fiber Installation											
LN02100425	Procure Singlemode Fiber	60	06/27/05	09/20/05																																																	Procure Singlemode Fiber											
LN02100430	Fiber Cabling Installation	20	09/21/05	10/18/05																																																	Fiber Cabling Installation											
LN02100435	Fiber Termination	60	10/19/05	01/17/06																																																	Fiber Termination											
LN02100440	Desktop Cabling Installation	1	01/18/06	01/18/06																																																	Desktop Cabling Installation											
LN02100445	Cabling Installation in Ground & Sub Ground Loc	20	01/19/06	02/15/06																																																	Cabling Installation in Ground & Sub Ground Loc											
LN02100450	Cable Termination	20	02/16/06	03/16/06																																																	Cable Termination											
LN02100455	Desktop Circuit Activation	1	03/17/06	03/17/06																																																	Desktop Circuit Activation											
LN02100460	Telcom to Provide Phone & Activate Circuits	20	03/20/06	04/14/06																																																	Telcom to Provide Phone & Activate Circuits											
LN02100465	Procure Cisco 3550-24 Hubs (6ea)	20	04/17/06	05/12/06																																																	Procure Cisco 3550-24 Hubs (6ea)											
LN02100470	Hub Installation & Data Circuit Activation	20	05/15/06	06/12/06																																																	Hub Installation & Data Circuit Activation											
LN02100475	AVAIL: Data Comm Circuits Active & Ready	0		06/12/06																																																	AVAIL: Data Comm Circuits Active & Ready											

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.03.02.10.05 Computers</b>																																																																
LN02100500	Finalize Specification Requirements - Computer	1	01/03/05	01/03/05																																																												
LN021005	COMPUTERS & CRATES SUMMARY	437	01/03/05	09/25/06																																																												
LN02100504	Design VME Crates, Control & Support Modules	120	01/04/05	06/23/05																																																												
LN02100502	Provide Hardware Engineer & Systems Integ Sup	436	01/04/05	09/25/06																																																												
LN02100506	COMP: Computers & Crates Design	0		06/23/05																																																												
LN02100510	Prep Bid Pak - VME Crates/IOCs/Interface Chassis	5	06/24/05	06/30/05																																																												
LN02100530	Prep Bid Pak - VME Crates for BPMs	5	06/24/05	06/30/05																																																												
LN02100550	Prep Bid Pak -VME Crates/Cntrl/Supt Chassis	5	06/24/05	06/30/05																																																												
LN02100512	RELEASE: RFP - VME Crates/IOCs/Interface Chassis	0		06/30/05																																																												
LN02100532	RELEASE: RFP - VME Crates for BPMs	0		06/30/05																																																												
LN02100552	RELEASE: RFP -VME Crates/Cntrl/Supt Chassis	0		06/30/05																																																												
LN02100514	Vendors Prep Proposals - Cntrls Computers	5	07/01/05	07/08/05																																																												
LN02100534	Vendors Prep Proposals - VME Crates for BPMs	5	07/01/05	07/08/05																																																												
LN02100554	Vendors Prep Proposals -VME Crates/Cntrl/Supt Ch	5	07/01/05	07/08/05																																																												
LN02100516	RCV: Proposl - VME Crates/IOCs/Interface Chassis	0		07/08/05																																																												
LN02100536	RCV: Proposals - VME Crates for BPMs	0		07/08/05																																																												
LN02100556	RCV: Proposals -VME Crates/Cntrl/Supt Chassis	0		07/08/05																																																												
LN02100518	Evaluate Vendors Proposals	5	07/11/05	07/15/05																																																												
LN02100538	Evaluate Vendors Proposals	5	07/11/05	07/15/05																																																												
LN02100558	Evaluate Vendors Proposals	5	07/11/05	07/15/05																																																												
LN02100508	Construction Funds Available - Begin Procurement	0	10/03/05																																																													
LN02100520	AWARD: Conctrct VME Crates/IOCs/Interface Chassis	1	10/03/05	10/03/05																																																												
LN02100540	AWARD: Contract - VME Crates for BPMs	1	10/03/05	10/03/05																																																												
LN02100560	AWARD: Contract -VME Crates/Cntrl/Supt Chassis	1	10/03/05	10/03/05																																																												
LN02100620	Procure Cableplant	60	10/03/05	12/28/05																																																												
LN02100630	Procure VME System I/O Distribution Cableplant	60	10/03/05	12/28/05																																																												

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04		FY05		FY06		FY07		FY08	
<b>1.03.02.10.05 Computers</b>														
LN02100522	Vendor Fab/Assy VME Crates/IOCs/Interface Chassis	60	10/04/05	12/29/05										█ Vendor Fab/Assy VME Crates/IOCs/Interface Chassis
LN02100542	Vendor Fab & Assy - VME Crates for BPMs	60	10/04/05	12/29/05										█ Vendor Fab & Assy - VME Crates for BPMs
LN02100562	Vendor Fab & Assy -VME Crates/Cntrl/Supt Chassis	60	10/04/05	12/29/05										█ Vendor Fab & Assy -VME Crates/Cntrl/Supt Chassis
LN02100625	RCV: Cableplant	0		12/28/05										◆ RCV: Cableplant
LN02100635	RCV: VME System Intra-Rack Dist I/O General Cab	0		12/28/05										◆ RCV: VME System Intra-Rack Dist I/O General Cab
LN02100524	RCV: VME Crates/IOC's/Interface Chassis (3VME-7	0		12/29/05										◆ RCV: VME Crates/IOC's/Interface Chassis (3VME-7
LN02100544	RCV: from Vendors VME Crates for BPMs	0		12/29/05										◆ RCV: from Vendors VME Crates for BPMs
LN02100564	RCV: VME Crates, Control & Support Chassis	0		12/29/05										◆ RCV: VME Crates, Control & Support Chassis
LN02100640	Assemble and Integrate Equipment	30	12/30/05	02/13/06										█ Assemble and Integrate Equipment
LN02100645	Conduct Pre-Install Testing	30	02/14/06	03/28/06										█ Conduct Pre-Install Testing
LN02100650	AVAIL: Computers & Crates Ready	0		03/28/06										◆ AVAIL: Computers & Crates Ready
<b>1.03.03 Linac Magnets &amp; Supports</b>														
LN03	LINAC MAGNETS AND SUPPORTS SUMMARY	767	06/01/04	06/18/07										█ LINAC MAGNETS AND S
<b>1.03.03.01 Bend Magnet (BX1_BC1)</b>														
LN03010000	Define Magnet Requirements	25	06/01/04	07/06/04										█ Define Magnet Requirements
LN0301	BEND MAGNET (BX1_BC1) SUMMARY	390	06/01/04	12/16/05										█ BEND MAGNET (BX1_BC1) SUMMARY
LN03010005	Create ICD & Update LCLS Database	10	07/07/04	07/20/04										█ Create ICD & Update LCLS Database
LN03010010	Review/Accept Reqmts, Update ICD & DB entries	2	07/21/04	07/22/04										█ Review/Accept Reqmts, Update ICD & DB entries
LN03010015	Develop Preliminary Design - Magnet	10	07/23/04	08/05/04										█ Develop Preliminary Design - Magnet
LN03010025	Develop Preliminary Dsn - Magnet Field Analysis	15	08/06/04	08/26/04										█ Develop Preliminary Dsn - Magnet Field Analysis
LN03010030	Conduct Preliminary Design Review (PDR)	1	08/27/04	08/27/04										█ Conduct Preliminary Design Review (PDR)
LN03010040	Develop Final Design - Magnets	10	08/30/04	09/13/04										█ Develop Final Design - Magnets
LN03010050	Conduct Final Design Review (FDR)	2	09/14/04	09/15/04										█ Conduct Final Design Review (FDR)
LN03010060	Develop Magnetic Measurement Plan	10	09/16/04	09/29/04										█ Develop Magnetic Measurement Plan
LN03010065	COMP: Bend Magnet (BX1_BC1) Design	0		09/29/04										◆ COMP: Bend Magnet (BX1_BC1) Design
LN03010130	Procure Misc Materials - Magnets	0	09/30/04	09/29/04										█ Procure Misc Materials - Magnets



Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.03.03.01 Bend Magnet (BX1_BC1)</b>																																																																
LN03010135	Disassemble Magnet	0	09/30/04	09/29/04																																																												
LN03010145	Refurbish Magnet Coils	0	09/30/04	09/29/04																																																												
LN03010150	Assemble Magnets	0	09/30/04	09/29/04																																																												
LN03010160	Prep for and Paint Magnets (as required)	0	09/30/04	09/29/04																																																												
LN03010165	Perform Magnet Fiducialization (as required)	0	09/30/04	09/29/04																																																												
LN03010170	Perform QC & Inspection - Magnets	0	09/30/04	09/29/04																																																												
LN03010175	Perform Magnetic Measurement (as required)	0	09/30/04	09/29/04																																																												
LN03010070	Prep Bid Pak - Magnets	2	09/30/04	10/01/04																																																												
LN03010080	RELEASE: RFP - BX1_BC1 Bend Magnet	0		10/01/04																																																												
LN03010085	Vendors Prep Proposals - Magnets	10	10/04/04	10/15/04																																																												
LN03010090	RCV: Proposals from Vendors - Magnet	0		10/15/04																																																												
LN03010095	Evaluate Vendor Proposals - Magnets	2	10/18/04	10/19/04																																																												
LN03010100	AWARD: Contract for Magnets	1	10/20/04	10/20/04																																																												
LN03010105	Vendor Fab 1st Lot - Magnets	120	10/21/04	04/15/05																																																												
LN03010110	RCV: 1st Lot Magnets from Vendor	0		04/15/05																																																												
LN03010120	RCV: Remaining Magnets from Vendor	0		04/15/05																																																												
LN03010115	Vendor Fab Remaining Lot - Magnets	0	04/18/05	04/15/05																																																												
LN03010230	Hand-off to Pre-Instl Qual Testing	0		09/30/05																																																												
LN03010180	Procure Misc Materials - Magnets	0	10/03/05	09/30/05																																																												
LN03010185	Fab Tooling	0	10/03/05	09/30/05																																																												
LN03010190	Fab Magnet Core	0	10/03/05	09/30/05																																																												
LN03010195	Fab Magnet Coils	0	10/03/05	09/30/05																																																												
LN03010205	Prep for and Paint Magnets (as required)	0	10/03/05	09/30/05																																																												
LN03010210	Assemble Magnets	0	10/03/05	09/30/05																																																												
LN03010215	Perform Magnet Fiducialization (as required)	0	10/03/05	09/30/05																																																												
LN03010220	Perform QC & Inspection - Magnets	0	10/03/05	09/30/05																																																												

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04		FY05		FY06		FY07		FY08	
<b>1.03.03.01 Bend Magnet (BX1_BC1)</b>														
LN03010225	Perform Magnetic Measurement (as required)	0	10/03/05	09/30/05										
LN03010235	Perform Magnet Pre-Instalation Qual	2	10/03/05	10/04/05										
LN03010245	Define Magnet Support Requirements	2	10/03/05	10/04/05										
LN03010240	AVAIL: BX1_BC1 Magnets Ready for Instl	0		10/04/05										
LN03010250	Create ICD & Update LCLS Database	1	10/05/05	10/05/05										
LN03010255	Review/Accept Reqmts, Update ICD & DB entries	1	10/06/05	10/06/05										
LN03010260	Develop Preliminary Design - Magnet Supports	2	10/07/05	10/10/05										
LN03010270	Conduct Preliminary Design Review (PDR)	1	10/11/05	10/11/05										
LN03010280	Develop Final Design - Magnet Supports	2	10/12/05	10/13/05										
LN03010290	Conduct Final Design Review (FDR)	1	10/14/05	10/14/05										
LN03010300	COMP: Bend Magnet Supports (BX1_BC1) Design	0		10/14/05										
LN03010305	Prep Bid Pak - Magnet Supports	1	10/17/05	10/17/05										
LN03010315	RELEASE: RFP - Magnet Supports	0		10/17/05										
LN03010360	Procure Misc Materials - Magnet Supports	20	10/17/05	11/11/05										
LN03010320	Vendors Prep Proposals - Magnet Supts	10	10/18/05	10/31/05										
LN03010325	RCV: Proposals from Vendors - Supts	0		10/31/05										
LN03010330	Evaluate Vendor Proposals - Supports	1	11/01/05	11/01/05										
LN03010335	AWARD: Contract for Supts	1	11/02/05	11/02/05										
LN03010340	Vendor Fab 1st Lot - Supts	30	11/03/05	12/16/05										
LN03010365	Fabricate Magnet Supports	1	11/14/05	11/14/05										
LN03010370	Prep for, Clean & Plate Magnet Supts	0	11/15/05	11/14/05										
LN03010375	Prep for and Paint Magnet Supports (as required)	0	11/15/05	11/14/05										
LN03010380	Perform QC & Inspection on Magnets Supts	0	11/15/05	11/14/05										
LN03010385	Assemble Magnet Supports	20	11/15/05	12/14/05										
LN03010390	Hand-off to Pre-Instl Qual Testing	0		12/14/05										
LN03010395	Perform Pre-Installation Qualification - Support	1	12/15/05	12/15/05										

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.03.03.01 Bend Magnet (BX1_BC1)</b>																																																																
LN03010345	RCV: 1st Lot Magnet Supports from Vendor	0		12/16/05																																																												
LN03010355	RCV: Remaining Magnet Supts from Vendor	0		12/16/05																																																												
LN03010400	AVAIL: BX1_BC1 Magnet Supts Ready for Instl	0		12/16/05																																																												
LN03010350	Vendor Fab Remaining Lot - Supts	0	12/19/05	12/16/05																																																												
<b>1.03.03.02 Bend Magnet (BX3_LTU)</b>																																																																
LN03020000	Define Magnet Requirements	5	06/20/05	06/24/05																																																												
LN0302	Bend Magnet (BX3_LTU) SUMMARY	503	06/20/05	06/18/07																																																												
LN03020245	Define Magnet Support Requirements	2	06/27/05	06/28/05																																																												
LN03020600	Receive & Review Safety Cover Requirements	0	06/27/05	07/01/05																																																												
LN03020005	Create ICD & Update LCLS Database	10	06/27/05	07/11/05																																																												
LN03020250	Create ICD & Update LCLS Database	1	06/29/05	06/29/05																																																												
LN03020255	Review/Accept Reqmts, Update ICD & DB entries	1	06/30/05	06/30/05																																																												
LN03020260	Develop Preliminary Design - Magnet Supports	6	07/01/05	07/11/05																																																												
LN03020605	Develop Magnet Safety Cover Design	40	07/05/05	08/29/05																																																												
LN03020010	Review/Accept Reqmts, Update ICD & DB entries	2	07/12/05	07/13/05																																																												
LN03020270	Conduct Preliminary Design Review (PDR)	2	07/12/05	07/13/05																																																												
LN03020280	Develop Final Design - Magnet Supports	4	07/14/05	07/19/05																																																												
LN03020015	Develop Preliminary Design - Magnet	5	07/14/05	07/20/05																																																												
LN03020290	Conduct Final Design Review (FDR)	2	07/20/05	07/21/05																																																												
LN03020300	COMP: Bend Magnet Supports (BX3_LTU) Design	0		07/21/05																																																												
LN03020025	Develop Preliminary Dsn - Magnet Field Analysis	10	07/21/05	08/03/05																																																												
LN03020030	Conduct Preliminary Design Review (PDR)	1	08/04/05	08/04/05																																																												
LN03020040	Develop Final Design - Magnets	2	08/05/05	08/08/05																																																												
LN03020050	Conduct Final Design Review (FDR)	2	08/09/05	08/10/05																																																												
LN03020060	Develop Magnetic Measurement Plan	1	08/11/05	08/11/05																																																												
LN03020065	COMP: Bend Magnet (BX3_LTU) Design	0		08/11/05																																																												

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.03.03.02 Bend Magnet (BX3_LTU)</b>																																																																
LN03020610	COMP: Magnet Safety Design	0		08/29/05																																																												
LN03020080	RELEASE: RFP - BX3_LTU_( ) Bend Magnet	0		09/14/06																																																												
LN03020090	RCV: Proposals from Vendors - Magnet	0		09/14/06																																																												
LN03020070	Prep Bid Pak - Magnets	0	09/15/06*	09/14/06																																																												
LN03020085	Vendors Prep Proposals - Magnets	0	09/15/06	09/14/06																																																												
LN03020095	Evaluate Vendor Proposals - Magnets	0	09/15/06	09/14/06																																																												
LN03020110	RCV: 1st Lot Magnets from Vendor	0		10/02/06																																																												
LN03020120	RCV: Remaining Magnets from Vendor	0		10/02/06																																																												
LN03020125	Hand-off to Pre-Instl Qual Testing	0		10/02/06																																																												
LN03020230	Hand-off to Pre-Instl Qual Testing	0		10/02/06																																																												
LN03020620	RCV: Magnet Safety Cover Material	0		10/02/06																																																												
LN03020630	REQD: Reusable Safety Covers for Refurbishment	0		10/02/06																																																												
LN03020100	AWARD: Contract for Magnets	0	10/03/06	10/02/06																																																												
LN03020105	Vendor Fab 1st Lot - Magnets	0	10/03/06	10/02/06																																																												
LN03020115	Vendor Fab Remaining Lot - Magnets	0	10/03/06	10/02/06																																																												
LN03020180	Procure Misc Materials - Magnets	0	10/03/06	10/02/06																																																												
LN03020185	Fab Tooling	0	10/03/06	10/02/06																																																												
LN03020190	Fab Magnet Core	0	10/03/06	10/02/06																																																												
LN03020195	Fab Magnet Coils	0	10/03/06	10/02/06																																																												
LN03020205	Prep for and Paint Magnets (as required)	0	10/03/06	10/02/06																																																												
LN03020210	Assemble Magnets	0	10/03/06	10/02/06																																																												
LN03020215	Perform Magnet Fiducialization (as required)	0	10/03/06	10/02/06																																																												
LN03020220	Perform QC & Inspection - Magnets	0	10/03/06	10/02/06																																																												
LN03020225	Perform Magnetic Measurement (as required)	0	10/03/06	10/02/06																																																												
LN03020615	Procure Magnet Safety Cover Material	0	10/03/06	10/02/06																																																												
LN03020625	Fab and Assemble New Magnet Safety Covers (0ea)	0	10/03/06	10/02/06																																																												

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.03.03.02 Bend Magnet (BX3_LTU)</b>																																																																
LN03020305	Prep Bid Pak - Magnet Supports	1	10/03/06	10/03/06																																					Prep Bid Pak - Magnet Supports																							
LN03020315	RELEASE: RFP - Magnet Supports	0		10/03/06																																					◆ RELEASE: RFP - Magnet Supports																							
LN03020130	Procure Misc Materials - Magnets	20	10/03/06	10/30/06																																					■ Procure Misc Materials - Magnets																							
LN03020635	Refurbish Reusable Safety Covers (5ea)	120	10/03/06	03/27/07																									■ Refurbish Reusable Safety Covers (5ea)																																			
LN03020320	Vendors Prep Proposals - Magnet Supts	20	10/04/06	10/31/06																																					■ Vendors Prep Proposals - Magnet Supts																							
LN03020325	RCV: Proposals from Vendors - Supts	0		10/31/06																																					◆ RCV: Proposals from Vendors - Supts																							
LN03020135	Disassemble Magnet	25	10/31/06	12/06/06																																					■ Disassemble Magnet																							
LN03020330	Evaluate Vendor Proposals - Supports	1	11/01/06	11/01/06																																					■ Evaluate Vendor Proposals - Supports																							
LN03020335	AWARD: Contract for Supts	1	11/02/06	11/02/06																																					■ AWARD: Contract for Supts																							
LN03020340	Vendor Fab 1st Lot - Supts	20	11/03/06	12/04/06																																					■ Vendor Fab 1st Lot - Supts																							
LN03020345	RCV: 1st Lot Magnet Supports from Vendor	0		12/04/06																																					◆ RCV: 1st Lot Magnet Supports from Vendor																							
LN03020355	RCV: Remaining Magnet Supts from Vendor	0		12/04/06																																					◆ RCV: Remaining Magnet Supts from Vendor																							
LN03020350	Vendor Fab Remaining Lot - Supts	0	12/05/06	12/04/06																																					■ Vendor Fab Remaining Lot - Supts																							
LN03020145	Refurbish Magnet Coils	25	12/07/06	01/12/07																																					■ Refurbish Magnet Coils																							
LN03020150	Assemble Magnets	42	01/16/07	03/15/07																																					■ Assemble Magnets																							
LN03020160	Prep for and Paint Magnets (as required)	25	03/16/07	04/19/07																																					■ Prep for and Paint Magnets (as required)																							
LN03020640	AVAIL: Magnet Safety Covers Ready for Instl	0		03/27/07																																					◆ AVAIL: Magnet Safety Covers Ready for Ins																							
LN03020360	Procure Misc Materials - Magnet Supports	20	03/28/07	04/24/07																																					■ Procure Misc Materials - Magnet Support																							
LN03020165	Perform Magnet Fiducialization (as required)	0	04/20/07	04/19/07																																					■ Perform Magnet Fiducialization (as required)																							
LN03020170	Perform QC & Inspection - Magnets	0	04/20/07	04/19/07																																					■ Perform QC & Inspection - Magnets																							
LN03020175	Perform Magnetic Measurement (as required)	20	04/20/07	05/17/07																																					■ Perform Magnetic Measurement (as required)																							
LN03020365	Fabricate Magnet Supports	6	04/25/07	05/02/07																																					■ Fabricate Magnet Supports																							
LN03020370	Prep for, Clean & Plate Magnet Supts	0	05/03/07	05/02/07																																					■ Prep for, Clean & Plate Magnet Supts																							
LN03020375	Prep for and Paint Magnet Supports (as required)	0	05/03/07	05/02/07																																					■ Prep for and Paint Magnet Supports (as required)																							
LN03020380	Perform QC & Inspection on Magnets Supts	6	05/03/07	05/10/07																																					■ Perform QC & Inspection on Magnets Supts																							
LN03020385	Assemble Magnet Supports	24	05/11/07	06/14/07																																					■ Assemble Magnet Support																							

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.03.03.02 Bend Magnet (BX3_LTU)</b>																																																																
LN03020235	Perform Magnet Pre-Instlation Qual	2	05/18/07	05/21/07																																																												
LN03020240	AVAIL: BX3_LTU Magnets Ready for Instl	0		05/21/07																																																												
LN03020390	Hand-off to Pre-Instl Qual Testing	0		06/14/07																																																												
LN03020395	Perform Pre-Installation Qualification - Support	2	06/15/07	06/18/07																																																												
LN03020400	AVAIL: BX3_LTU Magnet Supts Ready for Instl	0		06/18/07																																																												
<b>1.03.03.03 Bend Magnet (BX2_BC2)</b>																																																																
LN03030000	Define Magnet Requirements	25	06/01/04	07/06/04																																																												
LN0303	BEND MAGNET (BX2_BC2) SUMMARY	508	06/01/04	06/07/06																																																												
LN03030245	Define Magnet Support Requirements	2	07/07/04	07/08/04																																																												
LN03030005	Create ICD & Update LCLS Database	10	07/07/04	07/20/04																																																												
LN03030250	Create ICD & Update LCLS Database	1	07/09/04	07/09/04																																																												
LN03030255	Review/Accept Reqmts, Update ICD & DB entries	1	07/12/04	07/12/04																																																												
LN03030260	Develop Preliminary Design - Magnet Supports	1	07/13/04	07/13/04																																																												
LN03030270	Conduct Preliminary Design Review (PDR)	1	07/14/04	07/14/04																																																												
LN03030280	Develop Final Design - Magnet Supports	15	07/15/04	08/04/04																																																												
LN03030010	Review/Accept Reqmts, Update ICD & DB entries	2	07/21/04	07/22/04																																																												
LN03030015	Develop Preliminary Design - Magnet	10	07/23/04	08/05/04																																																												
LN03030290	Conduct Final Design Review (FDR)	1	08/05/04	08/05/04																																																												
LN03030300	COMP: Bend Magnet Supports (BX2_BC2) Design	0		08/05/04																																																												
LN03030305	Prep Bid Pak - Magnet Supports	1	08/06/04	08/06/04																																																												
LN03030315	RELEASE: RFP - Magnet Supports	0		08/06/04																																																												
LN03030025	Develop Preliminary Dsn - Magnet Field Analysis	15	08/06/04	08/26/04																																																												
LN03030320	Vendors Prep Proposals - Magnet Supts	1	08/09/04	08/09/04																																																												
LN03030325	RCV: Proposals from Vendors - Supts	0		08/09/04																																																												
LN03030330	Evaluate Vendor Proposals - Supports	1	08/10/04	08/10/04																																																												
LN03030030	Conduct Preliminary Design Review (PDR)	1	08/27/04	08/27/04																																																												

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04				FY05				FY06				FY07				FY08						
<b>1.03.03.03 Bend Magnet (BX2_BC2)</b>																											
LN03030040	Develop Final Design - Magnets	10	08/30/04	09/13/04																							
LN03030050	Conduct Final Design Review (FDR)	2	09/14/04	09/15/04																							
LN03030060	Develop Magnetic Measurement Plan	10	09/16/04	09/29/04																							
LN03030065	COMP: Bend Magnet (BX2_BC2) Design	0		09/29/04																							
LN03030070	Prep Bid Pak - Magnets	2	09/30/04	10/01/04																							
LN03030080	RELEASE: RFP - BX2_BC2 Bend Magnet	0		10/01/04																							
LN03030130	Procure Misc Materials - Magnets	0	10/04/04	10/01/04																							
LN03030180	Procure Misc Materials - Magnets	0	10/04/04	10/01/04																							
LN03030185	Fab Tooling	0	10/04/04	10/01/04																							
LN03030190	Fab Magnet Core	0	10/04/04	10/01/04																							
LN03030195	Fab Magnet Coils	0	10/04/04	10/01/04																							
LN03030205	Prep for and Paint Magnets (as required)	0	10/04/04	10/01/04																							
LN03030210	Assemble Magnets	0	10/04/04	10/01/04																							
LN03030215	Perform Magnet Fiducialization (as required)	0	10/04/04	10/01/04																							
LN03030220	Perform QC & Inspection - Magnets	0	10/04/04	10/01/04																							
LN03030225	Perform Magnetic Measurement (as required)	0	10/04/04	10/01/04																							
LN03030085	Vendors Prep Proposals - Magnets	1	10/04/04	10/04/04																							
LN03030090	RCV: Proposals from Vendors - Magnet	0		10/04/04																							
LN03030135	Disassemble Magnet	1	10/04/04	10/04/04																							
LN03030145	Refurbish Magnet Coils	1	10/05/04	10/05/04																							
LN03030095	Evaluate Vendor Proposals - Magnets	2	10/05/04	10/06/04																							
LN03030150	Assemble Magnets	0	10/06/04	10/05/04																							
LN03030160	Prep for and Paint Magnets (as required)	0	10/06/04	10/05/04																							
LN03030165	Perform Magnet Fiducialization (as required)	0	10/06/04	10/05/04																							
LN03030170	Perform QC & Inspection - Magnets	0	10/06/04	10/05/04																							
LN03030175	Perform Magnetic Measurement (as required)	0	10/06/04	10/05/04																							

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.03.03.03 Bend Magnet (BX2_BC2)</b>																																																																
LN03030100	AWARD: Contract for Magnets	1	10/07/04	10/07/04																																																												
LN03030105	Vendor Fab 1st Lot - Magnets	120	10/08/04	04/04/05																																																												
LN03030110	RCV: 1st Lot Magnets from Vendor	0		04/04/05																																																												
LN03030120	RCV: Remaining Magnets from Vendor	0		04/04/05																																																												
LN03030115	Vendor Fab Remaining Lot - Magnets	0	04/05/05	04/04/05																																																												
LN03030235	Perform Magnet Pre-Instlation Qual	2	04/05/05	04/06/05																																																												
LN03030240	AVAIL: BX2_BC2 Magnets Ready for Instl	0		04/06/05																																																												
LN03030335	AWARD: Contract for Supts	1	03/28/06	03/28/06																																																												
LN03030360	Procure Misc Materials - Magnet Supports	20	03/28/06	04/24/06																																																												
LN03030340	Vendor Fab 1st Lot - Supts	20	03/29/06	04/25/06																																																												
LN03030365	Fabricate Magnet Supports	0	04/25/06	04/24/06																																																												
LN03030370	Prep for, Clean & Plate Magnet Supts	0	04/25/06	04/24/06																																																												
LN03030375	Prep for and Paint Magnet Supports (as required)	0	04/25/06	04/24/06																																																												
LN03030380	Perform QC & Inspection on Magnets Supts	0	04/25/06	04/24/06																																																												
LN03030345	RCV: 1st Lot Magnet Supports from Vendor	0		04/25/06																																																												
LN03030355	RCV: Remaining Magnet Supts from Vendor	0		04/25/06																																																												
LN03030385	Assemble Magnet Supports	30	04/25/06	06/06/06																																																												
LN03030350	Vendor Fab Remaining Lot - Supts	0	04/26/06	04/25/06																																																												
LN03030390	Hand-off to Pre-Instl Qual Testing	0		06/06/06																																																												
LN03030395	Perform Pre-Installation Qualification - Support	1	06/07/06	06/07/06																																																												
LN03030400	AVAIL: BX2_BC2 Magnet Supts Ready for Instl	0		06/07/06																																																												
<b>1.03.03.04 Bend Magnet (BY_LTU)</b>																																																																
LN03040000	Define Magnet Requirements	25	12/15/04	01/24/05																																																												
LN0304	BEND MAGNET (BY_LTU) SUMMARY	616	12/15/04	05/29/07																																																												
LN03040600	Receive & Review Safety Cover Requirements	0	01/25/05	01/24/05																																																												
LN03040245	Define Magnet Support Requirements	2	01/25/05	01/26/05																																																												



	Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04		FY05			FY06			FY07			FY08			
<b>1.03.03.04 Bend Magnet (BY_LTU)</b>																				
	LN03040005	Create ICD & Update LCLS Database	10	01/25/05	02/07/05															
	LN03040605	Develop Magnet Safety Cover Design	40	01/25/05	03/22/05															
	LN03040250	Create ICD & Update LCLS Database	1	01/27/05	01/27/05															
	LN03040255	Review/Accept Reqmts, Update ICD & DB entries	1	01/28/05	01/28/05															
	LN03040260	Develop Preliminary Design - Magnet Supports	6	01/31/05	02/07/05															
	LN03040010	Review/Accept Reqmts, Update ICD & DB entries	2	02/08/05	02/09/05															
	LN03040270	Conduct Preliminary Design Review (PDR)	2	02/08/05	02/09/05															
	LN03040280	Develop Final Design - Magnet Supports	4	02/10/05	02/15/05															
	LN03040015	Develop Preliminary Design - Magnet	10	02/10/05	02/24/05															
	LN03040290	Conduct Final Design Review (FDR)	2	02/16/05	02/17/05															
	LN03040300	COMP: Bend Magnet Supports (BY_LTU) Design	0		02/17/05															
	LN03040025	Develop Preliminary Dsn - Magnet Field Analysis	15	02/25/05	03/17/05															
	LN03040030	Conduct Preliminary Design Review (PDR)	1	03/18/05	03/18/05															
	LN03040040	Develop Final Design - Magnets	10	03/21/05	04/01/05															
	LN03040610	COMP: Magnet Safety Design	0		03/22/05															
	LN03040615	Procure Magnet Safety Cover (2ea)	40	03/23/05	05/17/05															
	LN03040050	Conduct Final Design Review (FDR)	2	04/04/05	04/05/05															
	LN03040060	Develop Magnetic Measurement Plan	10	04/06/05	04/19/05															
	LN03040065	COMP: Bend Magnet (BY_LTU) Design	0		04/19/05															
	LN03040620	RCV: Magnet Safety Cover Material	0		05/17/05															
	LN03040630	REQD: Reusable Safety Covers for Refurbishment	0		05/17/05															
	LN03040640	AVAIL: Magnet Safety Covers Ready for Instl	0		05/17/05															
	LN03040625	Fab and Assemble New Magnet Safety Covers (0ea)	0	05/18/05	05/17/05															
	LN03040635	Refurbish Reusable Safety Covers (0ea)	0	05/18/05	05/17/05															
	LN03040130	Procure Misc Materials - Magnets	0	10/03/05	09/30/05															
	LN03040180	Procure Misc Materials - Magnets	0	10/03/05	09/30/05															

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.03.03.04 Bend Magnet (BY_LTU)</b>																																																																
LN03040185	Fab Tooling	0	10/03/05	09/30/05																																																												
LN03040190	Fab Magnet Core	0	10/03/05	09/30/05																																																												
LN03040195	Fab Magnet Coils	0	10/03/05	09/30/05																																																												
LN03040205	Prep for and Paint Magnets (as required)	0	10/03/05	09/30/05																																																												
LN03040210	Assemble Magnets	0	10/03/05	09/30/05																																																												
LN03040215	Perform Magnet Fiducialization (as required)	0	10/03/05	09/30/05																																																												
LN03040220	Perform QC & Inspection - Magnets	0	10/03/05	09/30/05																																																												
LN03040225	Perform Magnetic Measurement (as required)	0	10/03/05	09/30/05																																																												
LN03040135	Disassemble Magnet	1	10/03/05	10/03/05																																																												
LN03040145	Refurbish Magnet Coils	1	10/04/05	10/04/05																																																												
LN03040150	Assemble Magnets	0	10/05/05	10/04/05																																																												
LN03040160	Prep for and Paint Magnets (as required)	0	10/05/05	10/04/05																																																												
LN03040165	Perform Magnet Fiducialization (as required)	0	10/05/05	10/04/05																																																												
LN03040170	Perform QC & Inspection - Magnets	0	10/05/05	10/04/05																																																												
LN03040175	Perform Magnetic Measurement (as required)	0	10/05/05	10/04/05																																																												
LN03040360	Procure Misc Materials - Magnet Supports	20	03/28/06	04/24/06																																																	■ Procure Misc Materials - Magnet Supports											
LN03040365	Fabricate Magnet Supports	6	04/25/06	05/02/06																																																	■ Fabricate Magnet Supports											
LN03040370	Prep for, Clean & Plate Magnet Supts	0	05/03/06	05/02/06																																																	■ Prep for, Clean & Plate Magnet Supts											
LN03040375	Prep for and Paint Magnet Supports (as required)	0	05/03/06	05/02/06																																																	■ Prep for and Paint Magnet Supports (as required)											
LN03040305	Prep Bid Pak - Magnet Supports	1	10/03/06	10/03/06																																																	■ Prep Bid Pak - Magnet Supports											
LN03040315	RELEASE: RFP - Magnet Supports	0		10/03/06																																																	◆ RELEASE: RFP - Magnet Supports											
LN03040070	Prep Bid Pak - Magnets	2	10/03/06	10/04/06																																																	■ Prep Bid Pak - Magnets											
LN03040080	RELEASE: RFP - BY_LTU Bend Magnet	0		10/04/06																																																	◆ RELEASE: RFP - BY_LTU Bend Magnet											
LN03040320	Vendors Prep Proposals - Magnet Supts	1	10/04/06	10/04/06																																																	■ Vendors Prep Proposals - Magnet Supts											
LN03040325	RCV: Proposals from Vendors - Supts	0		10/04/06																																																	◆ RCV: Proposals from Vendors - Supts											
LN03040085	Vendors Prep Proposals - Magnets	1	10/05/06	10/05/06																																																	■ Vendors Prep Proposals - Magnets											

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.03.03.04 Bend Magnet (BY_LTU)</b>																																																																
LN03040090	RCV: Proposals from Vendors - Magnet	0		10/05/06																																																												
LN03040330	Evaluate Vendor Proposals - Supports	1	10/05/06	10/05/06																																																												
LN03040095	Evaluate Vendor Proposals - Magnets	1	10/06/06	10/06/06																																																												
LN03040100	AWARD: Contract for Magnets	1	10/09/06	10/09/06																																																												
LN03040105	Vendor Fab 1st Lot - Magnets	120	10/10/06	04/03/07																																																												
LN03040335	AWARD: Contract for Supts	1	03/28/07	03/28/07																																																												
LN03040340	Vendor Fab 1st Lot - Supts	20	03/29/07	04/25/07																																																												
LN03040110	RCV: 1st Lot Magnets from Vendor	0		04/03/07																																																												
LN03040120	RCV: Remaining Magnets from Vendor	0		04/03/07																																																												
LN03040230	Hand-off to Pre-Instl Qual Testing	0		04/03/07																																																												
LN03040115	Vendor Fab Remaining Lot - Magnets	0	04/04/07	04/03/07																																																												
LN03040235	Perform Magnet Pre-Instlation Qual	2	04/04/07	04/05/07																																																												
LN03040240	AVAIL: BY_LTU Magnets Ready for Instl	0		04/05/07																																																												
LN03040345	RCV: 1st Lot Magnet Supports from Vendor	0		04/25/07																																																												
LN03040355	RCV: Remaining Magnet Supts from Vendor	0		04/25/07																																																												
LN03040350	Vendor Fab Remaining Lot - Supts	0	04/26/07	04/25/07																																																												
LN03040380	Perform QC & Inspection on Magnets Supts	6	04/26/07	05/03/07																																																												
LN03040385	Assemble Magnet Supports	15	05/04/07	05/24/07																																																												
LN03040390	Hand-off to Pre-Instl Qual Testing	0		05/24/07																																																												
LN03040395	Perform Pre-Installation Qualification - Support	2	05/25/07	05/29/07																																																												
LN03040400	AVAIL: BY_LTU Magnet Supts Ready for Instl	0		05/29/07																																																												
<b>1.03.03.05 Quad Magnet (Quad_LTU)</b>																																																																
LN03050000	Define Magnet Requirements	25	08/12/05	09/16/05																																																												
LN0305	QUAD MAGNET (Quad_LTU) SUMMARY	336	08/12/05	12/12/06																																																												
LN03050600	Receive & Review Safety Cover Requirements	0	09/19/05	09/16/05																																																												
LN03050245	Define Magnet Support Requirements	2	09/19/05	09/20/05																																																												



Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.03.03.05 Quad Magnet (Quad_LTU)</b>																																																																
LN03050620	RELEASE: RFP - Magnet Safety Covers	0		11/18/05																																																	◆ RELEASE: RFP - Magnet Safety Covers											
LN03050625	Vendors Prep Proposals - Magnet Safety Covers	10	11/21/05	12/06/05																																																	■ Vendors Prep Proposals - Magnet Safety Covers											
LN03050630	RCV: Vendor Proposals - Magnet Safety Covers	0		12/06/05																																																	◆ RCV: Vendor Proposals - Magnet Safety Covers											
LN03050635	Evaluate Vendor Proposals	5	12/07/05	12/13/05																																																	■ Evaluate Vendor Proposals											
LN03050700	AWARD: Contract - Magnet Safety Covers	1	12/14/05	12/14/05																																																	AWARD: Contract - Magnet Safety Covers											
LN03050705	Vendor Fab & Assy - Magnet Safety Cover (15ea)	100	12/15/05	05/09/06																																																	■ Vendor Fab & Assy - Magnet Safety Cover (15ea)											
LN03050145	Refurbish Magnet Coils	25	12/16/05	01/24/06																																																	■ Refurbish Magnet Coils											
LN03050150	Assemble Magnets	50	01/25/06	04/05/06																																																	■ Assemble Magnets											
LN03050100	AWARD: Contract for Magnets	1	03/28/06	03/28/06																																																	AWARD: Contract for Magnets											
LN03050360	Procure Misc Materials - Magnet Supports	20	03/28/06	04/24/06																																																	■ Procure Misc Materials - Magnet Supports											
LN03050105	Vendor Fab 1st Lot - Magnets	120	03/29/06	09/15/06																																																	■ Vendor Fab 1st Lot - Magnets											
LN03050160	Prep for and Paint Magnets (as required)	12	04/06/06	04/21/06																																																	■ Prep for and Paint Magnets (as required)											
LN03050165	Perform Magnet Fiducialization (as required)	0	04/24/06	04/21/06																																																	Perform Magnet Fiducialization (as required)											
LN03050170	Perform QC & Inspection - Magnets	0	04/24/06	04/21/06																																																	Perform QC & Inspection - Magnets											
LN03050175	Perform Magnetic Measurement (as required)	37	04/24/06	06/14/06																																																	■ Perform Magnetic Measurement (as required)											
LN03050365	Fabricate Magnet Supports	30	04/25/06	06/06/06																																																	■ Fabricate Magnet Supports											
LN03050710	RCV: Magnet Safety Cover Material	0		05/09/06																																																	◆ RCV: Magnet Safety Cover Material											
LN03050720	REQD: Reusable Safety Covers for Refurbishment	0		05/09/06																																																	◆ REQD: Reusable Safety Covers for Refurbishment											
LN03050715	Fab and Assemble New Magnet Safety Covers (0ea)	0	05/10/06	05/09/06																																																	Fab and Assemble New Magnet Safety Covers											
LN03050725	Refurbish Reusable Safety Covers (25ea)	150	05/10/06	12/12/06																																																	■ Refurbish Reusable Safety Covers											
LN03050370	Prep for, Clean & Plate Magnet Supts	0	06/07/06	06/06/06																																																	Prep for, Clean & Plate Magnet Supts											
LN03050375	Prep for and Paint Magnet Supports (as required)	0	06/07/06	06/06/06																																																	Prep for and Paint Magnet Supports (as required)											
LN03050380	Perform QC & Inspection on Magnets Supts	30	06/07/06	07/19/06																																																	■ Perform QC & Inspection on Magnets Supts											
LN03050385	Assemble Magnet Supports	62	07/20/06	10/16/06																																																	■ Assemble Magnet Supports											
LN03050110	RCV: 1st Lot Magnets from Vendor	0		09/15/06																																																	◆ RCV: 1st Lot Magnets from Vendor											
LN03050120	RCV: Remaining Magnets from Vendor	0		09/15/06																																																	RCV: Remaining Magnets from Vendor ◆											

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.03.03.05 Quad Magnet (Quad_LTU)</b>																																																																
LN03050125	Hand-off to Pre-Instl Qual Testing	0		09/15/06																																					◆ Hand-off to Pre-Instl Qual Testing																							
LN03050115	Vendor Fab Remaining Lot - Magnets	0	09/18/06	09/15/06																																					Vendor Fab Remaining Lot - Magnets																							
LN03050230	Hand-off to Pre-Instl Qual Testing	0		10/02/06																																					◆ Hand-off to Pre-Instl Qual Testing																							
LN03050180	Procure Misc Materials - Magnets	0	10/03/06	10/02/06																																					Procure Misc Materials - Magnets																							
LN03050185	Fab Tooling	0	10/03/06	10/02/06																																					Fab Tooling																							
LN03050190	Fab Magnet Core	0	10/03/06	10/02/06																																					Fab Magnet Core																							
LN03050195	Fab Magnet Coils	0	10/03/06	10/02/06																																					Fab Magnet Coils																							
LN03050200	Prep for, Clean & Plate Magnet	0	10/03/06	10/02/06																																					Prep for, Clean & Plate Magnet																							
LN03050205	Prep for and Paint Magnets (as required)	0	10/03/06	10/02/06																																					Prep for and Paint Magnets (as required)																							
LN03050210	Assemble Magnets	0	10/03/06	10/02/06																																					Assemble Magnets																							
LN03050215	Perform Magnet Fiducialization (as required)	0	10/03/06	10/02/06																																					Perform Magnet Fiducialization (as required)																							
LN03050220	Perform QC & Inspection - Magnets	0	10/03/06	10/02/06																																					Perform QC & Inspection - Magnets																							
LN03050225	Perform Magnetic Measurement (as required)	0	10/03/06	10/02/06																																					Perform Magnetic Measurement (as required)																							
LN03050235	Perform Magnet Pre-Instlation Qual	2	10/03/06	10/04/06																																					Perform Magnet Pre-Instlation Qual																							
LN03050305	Prep Bid Pak - Magnet Supports	2	10/03/06	10/04/06																																					Prep Bid Pak - Magnet Supports																							
LN03050240	AVAIL: Quad_LTU Magnets Ready for Instl	0		10/04/06																																					AVAIL: Quad_LTU Magnets Ready for Ins◆																							
LN03050315	RELEASE: RFP - Magnet Supports	0		10/04/06																																					◆ RELEASE: RFP - Magnet Supports																							
LN03050320	Vendors Prep Proposals - Magnet Supts	1	10/05/06	10/05/06																																					Vendors Prep Proposals - Magnet Supts																							
LN03050325	RCV: Proposals from Vendors - Supts	0		10/05/06																																					RCV: Proposals from Vendors - Supt◆																							
LN03050330	Evaluate Vendor Proposals - Supports	1	10/06/06	10/06/06																																					Evaluate Vendor Proposals - Supports																							
LN03050335	AWARD: Contract for Supts	1	10/09/06	10/09/06																																					AWARD: Contract for Supts																							
LN03050340	Vendor Fab 1st Lot - Supts	20	10/10/06	11/06/06																																					Vendor Fab 1st Lot - Supts																							
LN03050390	Hand-off to Pre-Instl Qual Testing	0		10/16/06																																					◆ Hand-off to Pre-Instl Qual Testing																							
LN03050345	RCV: 1st Lot Magnet Supports from Vendor	0		11/06/06																																					RCV: 1st Lot Magnet Supports from Vendo◆																							
LN03050355	RCV: Remaining Magnet Supts from Vendor	0		11/06/06																																					RCV: Remaining Magnet Supts from Vendo◆																							
LN03050350	Vendor Fab Remaining Lot - Supts	0	11/07/06	11/06/06																																					Vendor Fab Remaining Lot - Supts																							

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.03.03.05 Quad Magnet (Quad_LTU)</b>																																																																
LN03050395	Perform Pre-Installation Qualification - Support	6	11/07/06	11/14/06																																																												
LN03050400	AVAIL: Quad_LTU Magnet Supts Ready for Instl	0		11/14/06																																																												
LN03050730	AVAIL: Magnet Safety Covers Ready for Instl	0		12/12/06																																																												
<b>1.03.03.07 Quad Magnet (QE)</b>																																																																
LN03070000	Define Magnet Requirements	5	10/11/04	10/15/04																																																												
LN0307	QUAD MAGNET (QE_) SUMMARY	395	10/11/04	05/08/06																																																												
LN03070005	Create ICD & Update LCLS Database	10	10/18/04	10/29/04																																																												
LN03070010	Review/Accept Reqmts, Update ICD & DB entries	2	11/01/04	11/02/04																																																												
LN03070015	Develop Preliminary Design - Magnet	1	11/03/04	11/03/04																																																												
LN03070025	Develop Preliminary Dsn - Magnet Field Analysis	1	11/04/04	11/04/04																																																												
LN03070030	Conduct Preliminary Design Review (PDR)	1	11/05/04	11/05/04																																																												
LN03070040	Develop Final Design - Magnets	1	11/08/04	11/08/04																																																												
LN03070050	Conduct Final Design Review (FDR)	2	11/09/04	11/10/04																																																												
LN03070060	Develop Magnetic Measurement Plan	15	11/11/04	12/03/04																																																												
LN03070065	COMP: Quad Magnet (QE_ Quad) Design	0		12/03/04																																																												
LN03070080	RELEASE: RFP - QE_ Quad Magnet	0		12/03/04																																																												
LN03070070	Prep Bid Pak - Magnets	0	12/06/04	12/03/04																																																												
LN03070085	Vendors Prep Proposals - Magnets	1	12/06/04	12/06/04																																																												
LN03070090	RCV: Proposals from Vendors - Magnet	0		12/06/04																																																												
LN03070095	Evaluate Vendor Proposals - Magnets	0	12/07/04	12/06/04																																																												
LN03070130	Procure Misc Materials - Magnets	0	10/03/05	09/30/05																																																												
LN03070135	Disassemble Magnet	0	10/03/05	09/30/05																																																												
LN03070145	Refurbish Magnet Coils	0	10/03/05	09/30/05																																																												
LN03070150	Assemble Magnets	0	10/03/05	09/30/05																																																												
LN03070160	Prep for and Paint Magnets (as required)	0	10/03/05	09/30/05																																																												
LN03070165	Perform Magnet Fiducialization (as required)	0	10/03/05	09/30/05																																																												

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.03.03.07 Quad Magnet (QE)</b>																																																																
LN03070170	Perform QC & Inspection - Magnets	0	10/03/05	09/30/05																									Perform QC & Inspection - Magnets																																			
LN03070175	Perform Magnetic Measurement (as required)	0	10/03/05	09/30/05																									Perform Magnetic Measurement (as required)																																			
LN03070100	AWARD: Contract for Magnets	1	10/03/05	10/03/05																									AWARD: Contract for Magnets																																			
LN03070110	RCV: 1st Lot Magnets from Vendor	0		10/03/05																									◆ RCV: 1st Lot Magnets from Vendor																																			
LN03070120	RCV: Remaining Magnets from Vendor	0		10/03/05																									◆ RCV: Remaining Magnets from Vendor																																			
LN03070125	Hand-off to Pre-Instl Qual Testing	0		10/03/05																									◆ Hand-off to Pre-Instl Qual Testing																																			
LN03070180	Procure Misc Materials - Magnets	30	10/03/05	11/11/05																									■ Procure Misc Materials - Magnets																																			
LN03070105	Vendor Fab 1st Lot - Magnets	0	10/04/05	10/03/05																									Vendor Fab 1st Lot - Magnets																																			
LN03070115	Vendor Fab Remaining Lot - Magnets	0	10/04/05	10/03/05																									Vendor Fab Remaining Lot - Magnets																																			
LN03070190	Fab Magnet Core	20	11/14/05	12/13/05																									■ Fab Magnet Core																																			
LN03070185	Fab Tooling	25	11/14/05	12/20/05																									■ Fab Tooling																																			
LN03070195	Fab Magnet Coils	60	11/14/05	02/10/06																									■ Fab Magnet Coils																																			
LN03070205	Prep for and Paint Magnets (as required)	10	02/13/06	02/27/06																									■ Prep for and Paint Magnets (as required)																																			
LN03070210	Assemble Magnets	20	02/28/06	03/27/06																									■ Assemble Magnets																																			
LN03070245	Define Magnet Support Requirements	2	03/28/06	03/29/06																									Define Magnet Support Requirements																																			
LN03070215	Perform Magnet Fiducialization (as required)	10	03/28/06	04/10/06																									■ Perform Magnet Fiducialization (as required)																																			
LN03070250	Create ICD & Update LCLS Database	0	03/30/06	03/29/06																									Create ICD & Update LCLS Database																																			
LN03070255	Review/Accept Reqmts, Update ICD & DB entries	1	03/30/06	03/30/06																									Review/Accept Reqmts, Update ICD & DB entries																																			
LN03070260	Develop Preliminary Design - Magnet Supports	1	03/31/06	03/31/06																									Develop Preliminary Design - Magnet Supports																																			
LN03070270	Conduct Preliminary Design Review (PDR)	1	04/03/06	04/03/06																									Conduct Preliminary Design Review (PDR)																																			
LN03070280	Develop Final Design - Magnet Supports	1	04/04/06	04/04/06																									Develop Final Design - Magnet Supports																																			
LN03070290	Conduct Final Design Review (FDR)	1	04/05/06	04/05/06																									Conduct Final Design Review (FDR)																																			
LN03070300	COMP: Quad Magnet Supports (QE_ Quad) Design	0		04/05/06																									◆ COMP: Quad Magnet Supports (QE_ Quad) Design																																			
LN03070390	Hand-off to Pre-Instl Qual Testing	0		04/05/06																									◆ Hand-off to Pre-Instl Qual Testing																																			
LN03070360	Procure Misc Materials - Magnet Supports	0	04/06/06	04/05/06																									Procure Misc Materials - Magnet Supports																																			
LN03070365	Fabricate Magnet Supports	0	04/06/06	04/05/06																									Fabricate Magnet Supports																																			



Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.03.03.07 Quad Magnet (QE)</b>																																																																
LN03070370	Prep for, Clean & Plate Magnet Supts	0	04/06/06	04/05/06																																																	Prep for, Clean & Plate Magnet Supts											
LN03070375	Prep for and Paint Magnet Supports (as required)	0	04/06/06	04/05/06																																																	Prep for and Paint Magnet Supports (as required)											
LN03070380	Perform QC & Inspection on Magnets Supts	0	04/06/06	04/05/06																																																	Perform QC & Inspection on Magnets Supts											
LN03070385	Assemble Magnet Supports	0	04/06/06	04/05/06																																																	Assemble Magnet Supports											
LN03070305	Prep Bid Pak - Magnet Supports	1	04/06/06	04/06/06																																																	Prep Bid Pak - Magnet Supports											
LN03070315	RELEASE: RFP - Magnet Supports	0		04/06/06																																																	◆ RELEASE: RFP - Magnet Supports											
LN03070320	Vendors Prep Proposals - Magnet Supts	1	04/07/06	04/07/06																																																	Vendors Prep Proposals - Magnet Supts											
LN03070325	RCV: Proposals from Vendors - Supts	0		04/07/06																																																	◆ RCV: Proposals from Vendors - Supts											
LN03070330	Evaluate Vendor Proposals - Supports	0	04/10/06	04/07/06																																																	Evaluate Vendor Proposals - Supports											
LN03070335	AWARD: Contract for Supts	1	04/10/06	04/10/06																																																	AWARD: Contract for Supts											
LN03070345	RCV: 1st Lot Magnet Supports from Vendor	0		04/10/06																																																	◆ RCV: 1st Lot Magnet Supports from Vendor											
LN03070355	RCV: Remaining Magnet Supts from Vendor	0		04/10/06																																																	◆ RCV: Remaining Magnet Supts from Vendor											
LN03070400	AVAIL: QE_ Quad Magnet Supts Ready for BC1 Instl	0		04/10/06																																																	◆ AVAIL: QE_ Quad Magnet Supts Ready for BC1 Instl											
LN03070402	AVAIL: QE_ Quad Magnet Supts Ready for BC2 Instl	0		04/10/06																																																	◆ AVAIL: QE_ Quad Magnet Supts Ready for BC2 Instl											
LN03070340	Vendor Fab 1st Lot - Supts	0	04/11/06	04/10/06																																																	Vendor Fab 1st Lot - Supts											
LN03070350	Vendor Fab Remaining Lot - Supts	0	04/11/06	04/10/06																																																	Vendor Fab Remaining Lot - Supts											
LN03070395	Perform Pre-Installation Qualification - Support	0	04/11/06	04/10/06																																																	Perform Pre-Installation Qualification - Support											
LN03070220	Perform QC & Inspection - Magnets	10	04/11/06	04/24/06																																																	Perform QC & Inspection - Magnets											
LN03070225	Perform Magnetic Measurement (as required)	10	04/25/06	05/08/06																																																	Perform Magnetic Measurement (as required)											
LN03070230	Hand-off to Pre-Instl Qual Testing	0		05/08/06																																																	◆ Hand-off to Pre-Instl Qual Testing											
LN03070240	AVAIL: QE_ Quad Magnet Ready for BC1 Instl	0		05/08/06																																																	◆ AVAIL: QE_ Quad Magnet Ready for BC1 Instl											
LN03070242	AVAIL: QE_ Quad Magnet Ready for BC2 Instl	0		05/08/06																																																	◆ AVAIL: QE_ Quad Magnet Ready for BC2 Instl											
LN03070235	Perform Magnet Pre-Instl Qual	0	05/09/06	05/08/06																																																	Perform Magnet Pre-Instl Qual											
<b>1.03.03.08 Corrector Magnet (Type 4)</b>																																																																
LN03080000	Define Magnet Requirements	5	12/06/04	12/10/04																																																	Define Magnet Requirements											
LN0308	CORRECTOR BEND MAGNET (Linac Type 4) SUMMARY	328	12/06/04	03/28/06																																																	CORRECTOR BEND MAGNET (Linac Type 4) SUMMARY											

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.03.03.08 Corrector Magnet (Type 4)</b>																																																																
LN03080600	Receive & Review Safety Cover Requirements	0	12/13/04	12/10/04																																																												
LN03080005	Create ICD & Update LCLS Database	10	12/13/04	12/28/04																																																												
LN03080605	Develop Magnet Safety Cover Design	20	12/13/04	01/12/05																																																												
LN03080010	Review/Accept Reqmts, Update ICD & DB entries	2	12/29/04	12/30/04																																																												
LN03080015	Develop Preliminary Design - Magnet	1	01/03/05	01/03/05																																																												
LN03080025	Develop Preliminary Dsn - Magnet Field Analysis	1	01/04/05	01/04/05																																																												
LN03080030	Conduct Preliminary Design Review (PDR)	1	01/05/05	01/05/05																																																												
LN03080040	Develop Final Design - Magnets	1	01/06/05	01/06/05																																																												
LN03080050	Conduct Final Design Review (FDR)	2	01/07/05	01/10/05																																																												
LN03080060	Develop Magnetic Measurement Plan	2	01/11/05	01/12/05																																																												
LN03080065	COMP: Corrector Bend Magnet (Type 4) Design	0		01/12/05																																																												
LN03080610	COMP: Magnet Safety Design	0		01/12/05																																																												
LN03080070	Prep Bid Pak - Magnets	1	01/13/05	01/13/05																																																												
LN03080080	RELEASE: RFP - Linac Type 4 Corrector Bend Magne	0		01/13/05																																																												
LN03080245	Define Magnet Support Requirements	2	01/13/05	01/14/05																																																												
LN03080615	Procure Magnet Safety Cover (42ea)	84	01/13/05	05/12/05																																																												
LN03080085	Vendors Prep Proposals - Magnets	1	01/14/05	01/14/05																																																												
LN03080090	RCV: Proposals from Vendors - Magnet	0		01/14/05																																																												
LN03080250	Create ICD & Update LCLS Database	0	01/18/05	01/14/05																																																												
LN03080255	Review/Accept Reqmts, Update ICD & DB entries	1	01/18/05	01/18/05																																																												
LN03080095	Evaluate Vendor Proposals - Magnets	2	01/18/05	01/19/05																																																												
LN03080260	Develop Preliminary Design - Magnet Supports	1	01/19/05	01/19/05																																																												
LN03080270	Conduct Preliminary Design Review (PDR)	1	01/20/05	01/20/05																																																												
LN03080280	Develop Final Design - Magnet Supports	1	01/21/05	01/21/05																																																												
LN03080290	Conduct Final Design Review (FDR)	1	01/24/05	01/24/05																																																												
LN03080300	COMP: Corrector Bend Magnet Supt (Type 4) Design	0		01/24/05																																																												



Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.03.03.08 Corrector Magnet (Type 4)</b>																																																																
LN03080402	AVAIL: Corr Bend Mag Supts Ready for L03 Instl	0		10/03/05																																																	◆ AVAIL: Corr Bend Mag Supts Ready for L03 Instl											
LN03080130	Procure Misc Materials - Magnets	20	10/03/05	10/28/05																																																	■ Procure Misc Materials - Magnets											
LN03080195	Fab Magnet Coils	0	10/04/05	10/03/05																																																	■ Fab Magnet Coils											
LN03080205	Prep for and Paint Magnets (as required)	0	10/04/05	10/03/05																																																	■ Prep for and Paint Magnets (as required)											
LN03080210	Assemble Magnets	0	10/04/05	10/03/05																																																	■ Assemble Magnets											
LN03080215	Perform Magnet Fiducialization (as required)	0	10/04/05	10/03/05																																																	■ Perform Magnet Fiducialization (as required)											
LN03080220	Perform QC & Inspection - Magnets	0	10/04/05	10/03/05																																																	■ Perform QC & Inspection - Magnets											
LN03080225	Perform Magnetic Measurement (as required)	0	10/04/05	10/03/05																																																	■ Perform Magnetic Measurement (as required)											
LN03080340	Vendor Fab 1st Lot - Supts	0	10/04/05	10/03/05																																																	■ Vendor Fab 1st Lot - Supts											
LN03080350	Vendor Fab Remaining Lot - Supts	0	10/04/05	10/03/05																																																	■ Vendor Fab Remaining Lot - Supts											
LN03080395	Perform Pre-Installation Qualification - Support	0	10/04/05	10/03/05																																																	■ Perform Pre-Installation Qualification - Support											
LN03080105	Vendor Fab 1st Lot - Magnets	120	10/04/05	03/28/06																																																	■ Vendor Fab 1st Lot - Magnets											
LN03080135	Disassemble Magnet	1	10/31/05	10/31/05																																																	■ Disassemble Magnet											
LN03080145	Refurbish Magnet Coils	7	11/01/05	11/09/05																																																	■ Refurbish Magnet Coils											
LN03080150	Assemble Magnets	5	11/10/05	11/16/05																																																	■ Assemble Magnets											
LN03080230	Hand-off to Pre-Instl Qual Testing	0		11/16/05																																																	◆ Hand-off to Pre-Instl Qual Testing											
LN03080160	Prep for and Paint Magnets (as required)	0	11/17/05	11/16/05																																																	■ Prep for and Paint Magnets (as required)											
LN03080165	Perform Magnet Fiducialization (as required)	0	11/17/05	11/16/05																																																	■ Perform Magnet Fiducialization (as required)											
LN03080170	Perform QC & Inspection - Magnets	0	11/17/05	11/16/05																																																	■ Perform QC & Inspection - Magnets											
LN03080175	Perform Magnetic Measurement (as required)	0	11/17/05	11/16/05																																																	■ Perform Magnetic Measurement (as required)											
LN03080110	RCV: 1st Lot Magnets from Vendor	0		03/28/06																																																	◆ RCV: 1st Lot Magnets from Vendor											
LN03080120	RCV: Remaining Magnets from Vendor	0		03/28/06																																																	◆ RCV: Remaining Magnets from Vendor											
LN03080125	Hand-off to Pre-Instl Qual Testing	0		03/28/06																																																	◆ Hand-off to Pre-Instl Qual Testing											
LN03080240	AVAIL: Type 4 Corr Bend Mag Ready for L01 Instl	0		03/28/06																																																	◆ AVAIL: Type 4 Corr Bend Mag Ready for L01 I											
LN03080241	AVAIL: Type 4 Corr Bend Mag Ready for BC1 Instl	0		03/28/06																																																	◆ AVAIL: Type 4 Corr Bend Mag Ready for BC1 I											
LN03080242	AVAIL: Type 4 Corr Bend Mag Ready for L03 Instl	0		03/28/06																																																	◆ AVAIL: Type 4 Corr Bend Mag Ready for L03 I											

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.03.03.08 Corrector Magnet (Type 4)</b>																																																																
LN03080115	Vendor Fab Remaining Lot - Magnets	0	03/29/06	03/28/06																																																	Vendor Fab Remaining Lot - Magnets											
LN03080235	Perform Magnet Pre-Instlation Qual	0	03/29/06	03/28/06																																																	Perform Magnet Pre-Instlation Qual											
<b>1.03.03.09 Bend Magnet (BYD_LTU)</b>																																																																
LN03090000	Define Magnet Requirements	25	12/15/04	01/24/05																																																	Define Magnet Requirements											
LN0309	BEND MAGNET (BYD_LTU) SUMMARY	480	12/15/04	11/09/06																																																	BEND MAGNET (BYD_LTU) SUMMA											
LN03090600	Receive & Review Safety Cover Requirements	0	01/25/05	01/24/05																																																	Receive & Review Safety Cover Requirements											
LN03090245	Define Magnet Support Requirements	3	01/25/05	01/27/05																																																	Define Magnet Support Requirements											
LN03090005	Create ICD & Update LCLS Database	10	01/25/05	02/07/05																																																	Create ICD & Update LCLS Database											
LN03090605	Develop Magnet Safety Cover Design	40	01/25/05	03/22/05																																																	Develop Magnet Safety Cover Design											
LN03090250	Create ICD & Update LCLS Database	1	01/28/05	01/28/05																																																	Create ICD & Update LCLS Database											
LN03090255	Review/Accept Reqmts, Update ICD & DB entries	1	01/31/05	01/31/05																																																	Review/Accept Reqmts, Update ICD & DB entries											
LN03090260	Develop Preliminary Design - Magnet Supports	9	02/01/05	02/11/05																																																	Develop Preliminary Design - Magnet Supports											
LN03090010	Review/Accept Reqmts, Update ICD & DB entries	2	02/08/05	02/09/05																																																	Review/Accept Reqmts, Update ICD & DB entries											
LN03090015	Develop Preliminary Design - Magnet	10	02/10/05	02/24/05																																																	Develop Preliminary Design - Magnet											
LN03090270	Conduct Preliminary Design Review (PDR)	3	02/14/05	02/16/05																																																	Conduct Preliminary Design Review (PDR)											
LN03090280	Develop Final Design - Magnet Supports	6	02/17/05	02/25/05																																																	Develop Final Design - Magnet Supports											
LN03090025	Develop Preliminary Dsn - Magnet Field Analysis	15	02/25/05	03/17/05																																																	Develop Preliminary Dsn - Magnet Field Analysis											
LN03090290	Conduct Final Design Review (FDR)	3	02/28/05	03/02/05																																																	Conduct Final Design Review (FDR)											
LN03090300	COMP: Bend Magnet Support (BYD_LTU ) Design	0		03/02/05																																																	COMP: Bend Magnet Support (BYD_LTU ) Design											
LN03090030	Conduct Preliminary Design Review (PDR)	1	03/18/05	03/18/05																																																	Conduct Preliminary Design Review (PDR)											
LN03090040	Develop Final Design - Magnets	10	03/21/05	04/01/05																																																	Develop Final Design - Magnets											
LN03090610	COMP: Magnet Safety Design	0		03/22/05																																																	COMP: Magnet Safety Design											
LN03090615	Procure Magnet Safety Cover Material	30	03/23/05	05/03/05																																																	Procure Magnet Safety Cover Material											
LN03090050	Conduct Final Design Review (FDR)	2	04/04/05	04/05/05																																																	Conduct Final Design Review (FDR)											
LN03090060	Develop Magnetic Measurement Plan	10	04/06/05	04/19/05																																																	Develop Magnetic Measurement Plan											
LN03090065	COMP: Quad Magnet (BYD_LTU) Design	0		04/19/05																																																	COMP: Quad Magnet (BYD_LTU) Design											

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08																							
<b>1.03.03.09 Bend Magnet (BYD_LTU)</b>																																																																												
LN03090070	Prep Bid Pak - Magnets	1	04/20/05	04/20/05																									Prep Bid Pak - Magnets																																															
LN03090080	RELEASE: RFP -BYD_LTU Bend Magnet	0		04/20/05																									◆ RELEASE: RFP -BYD_LTU Bend Magnet																																															
LN03090085	Vendors Prep Proposals - Magnets	1	04/21/05	04/21/05																									Vendors Prep Proposals - Magnets																																															
LN03090090	RCV: Proposals from Vendors - Magnet	0		04/21/05																									◆ RCV: Proposals from Vendors - Magnet																																															
LN03090095	Evaluate Vendor Proposals - Magnets	2	04/22/05	04/25/05																									Evaluate Vendor Proposals - Magnets																																															
LN03090620	RCV: Magnet Safety Cover Material	0		05/03/05																									◆ RCV: Magnet Safety Cover Material																																															
LN03090630	REQD: Reusable Safety Covers for Refurbishment	0		05/03/05																									◆ REQD: Reusable Safety Covers for Refurbishment																																															
LN03090640	AVAIL: Magnet Safety Covers Ready for Instl	0		05/03/05																									◆ AVAIL: Magnet Safety Covers Ready for Instl																																															
LN03090625	Fab and Assemble New Magnet Safety Covers (0ea)	0	05/04/05	05/03/05																									Fab and Assemble New Magnet Safety Covers (0ea)																																															
LN03090635	Refurbish Reusable Safety Covers (0ea)	0	05/04/05	05/03/05																									Refurbish Reusable Safety Covers (0ea)																																															
LN03090100	AWARD: Contract for Magnets	1	10/03/05	10/03/05																									AWARD: Contract for Magnets																																															
LN03090360	Procure Misc Materials - Magnet Supports	20	10/03/05	10/28/05																									■ Procure Misc Materials - Magnet Supports																																															
LN03090105	Vendor Fab 1st Lot - Magnets	120	10/04/05	03/28/06																									■ Vendor Fab 1st Lot - Magnets																																															
LN03090365	Fabricate Magnet Supports	9	10/31/05	11/10/05																									■ Fabricate Magnet Supports																																															
LN03090370	Prep for, Clean & Plate Magnet Supts	0	11/11/05	11/10/05																									Prep for, Clean & Plate Magnet Supts																																															
LN03090375	Prep for and Paint Magnet Supports (as required)	0	11/11/05	11/10/05																									Prep for and Paint Magnet Supports (as required)																																															
LN03090380	Perform QC & Inspection on Magnets Supts	9	11/11/05	11/23/05																									■ Perform QC & Inspection on Magnets Supts																																															
LN03090385	Assemble Magnet Supports	22	11/28/05	12/28/05																									■ Assemble Magnet Supports																																															
LN03090390	Hand-off to Pre-Instl Qual Testing	0		12/28/05																									◆ Hand-off to Pre-Instl Qual Testing																																															
LN03090110	RCV: 1st Lot Magnets from Vendor	0		03/28/06																									◆ RCV: 1st Lot Magnets from Vendor																																															
LN03090120	RCV: Remaining Magnets from Vendor	0		03/28/06																									◆ RCV: Remaining Magnets from Vendor																																															
LN03090125	Hand-off to Pre-Instl Qual Testing	0		03/28/06																									◆ Hand-off to Pre-Instl Qual Testing																																															
LN03090115	Vendor Fab Remaining Lot - Magnets	0	03/29/06	03/28/06																									Vendor Fab Remaining Lot - Magnets																																															
LN03090130	Procure Misc Materials - Magnets	0	10/03/06	10/02/06																																					Procure Misc Materials - Magnets																																			
LN03090180	Procure Misc Materials - Magnets	0	10/03/06	10/02/06																																					Procure Misc Materials - Magnets																																			
LN03090185	Fab Tooling	0	10/03/06	10/02/06																																					Fab Tooling																																			

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.03.03.09 Bend Magnet (BYD_LTU)</b>																																																																
LN03090190	Fab Magnet Core	0	10/03/06	10/02/06																																					Fab Magnet Core																							
LN03090195	Fab Magnet Coils	0	10/03/06	10/02/06																																					Fab Magnet Coils																							
LN03090205	Prep for and Paint Magnets (as required)	0	10/03/06	10/02/06																																					Prep for and Paint Magnets (as required)																							
LN03090210	Assemble Magnets	0	10/03/06	10/02/06																																					Assemble Magnets																							
LN03090215	Perform Magnet Fiducialization (as required)	0	10/03/06	10/02/06																																					Perform Magnet Fiducialization (as required)																							
LN03090220	Perform QC & Inspection - Magnets	0	10/03/06	10/02/06																																					Perform QC & Inspection - Magnets																							
LN03090225	Perform Magnetic Measurement (as required)	0	10/03/06	10/02/06																																					Perform Magnetic Measurement (as required)																							
LN03090135	Disassemble Magnet	1	10/03/06	10/03/06																																					Disassemble Magnet																							
LN03090305	Prep Bid Pak - Magnet Supports	1	10/03/06	10/03/06																																					Prep Bid Pak - Magnet Supports																							
LN03090315	RELEASE: RFP - Magnet Supports	0		10/03/06																																					◆ RELEASE: RFP - Magnet Supports																							
LN03090145	Refurbish Magnet Coils	1	10/04/06	10/04/06																																					Refurbish Magnet Coils																							
LN03090230	Hand-off to Pre-Instl Qual Testing	0		10/04/06																																					◆ Hand-off to Pre-Instl Qual Testing																							
LN03090320	Vendors Prep Proposals - Magnet Supts	1	10/04/06	10/04/06																																					Vendors Prep Proposals - Magnet Supts																							
LN03090325	RCV: Proposals from Vendors - Supts	0		10/04/06																																					RCV: Proposals from Vendors - Supts◆																							
LN03090150	Assemble Magnets	0	10/05/06	10/04/06																																					Assemble Magnets																							
LN03090160	Prep for and Paint Magnets (as required)	0	10/05/06	10/04/06																																					Prep for and Paint Magnets (as required)																							
LN03090165	Perform Magnet Fiducialization (as required)	0	10/05/06	10/04/06																																					Perform Magnet Fiducialization (as required)																							
LN03090170	Perform QC & Inspection - Magnets	0	10/05/06	10/04/06																																					Perform QC & Inspection - Magnets																							
LN03090175	Perform Magnetic Measurement (as required)	0	10/05/06	10/04/06																																					Perform Magnetic Measurement (as required)																							
LN03090330	Evaluate Vendor Proposals - Supports	2	10/05/06	10/06/06																																					Evaluate Vendor Proposals - Supports																							
LN03090235	Perform Magnet Pre-Instlation Qual	3	10/05/06	10/09/06																																					Perform Magnet Pre-Instlation Qual																							
LN03090240	AVAIL: BYD_LTU Bend Magnet Ready for Instl	0		10/09/06																																					AVAIL: BYD_LTU Bend Magnet Ready for Ins◆																							
LN03090335	AWARD: Contract for Supts	1	10/09/06	10/09/06																																					AWARD: Contract for Supts																							
LN03090340	Vendor Fab 1st Lot - Supts	20	10/10/06	11/06/06																																					■ Vendor Fab 1st Lot - Supts																							
LN03090345	RCV: 1st Lot Magnet Supports from Vendor	0		11/06/06																																					RCV: 1st Lot Magnet Supports from Vendo◆																							
LN03090355	RCV: Remaining Magnet Supts from Vendor	0		11/06/06																																					RCV: Remaining Magnet Supts from Vendo◆																							

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.03.03.09 Bend Magnet (BYD_LTU)</b>																																																																
LN03090350	Vendor Fab Remaining Lot - Supts	0	11/07/06	11/06/06																																																	Vendor Fab Remaining Lot - Supts											
LN03090395	Perform Pre-Installation Qualification - Support	3	11/07/06	11/09/06																																																	Perform Pre-Installation Qualification - Support											
LN03090400	AVAIL: BYD_LTU Magnet Supts Ready for Instl	0		11/09/06																																																	AVAIL: BYD_LTU Magnet Supts Ready for Ins◆											
<b>1.03.03.10 Quad Magnet (QA)</b>																																																																
LN03100000	Define Magnet Requirements	5	04/20/05	04/26/05																																																	Define Magnet Requirements											
LN0310	QUAD MAGNET (QA_) SUMMARY	161	04/20/05	12/07/05																																																	QUAD MAGNET (QA_) SUMMARY											
LN03100245	Define Magnet Support Requirements	2	04/27/05	04/28/05																																																	Define Magnet Support Requirements											
LN03100005	Create ICD & Update LCLS Database	10	04/27/05	05/10/05																																																	Create ICD & Update LCLS Database											
LN03100250	Create ICD & Update LCLS Database	1	04/29/05	04/29/05																																																	Create ICD & Update LCLS Database											
LN03100255	Review/Accept Reqmts, Update ICD & DB entries	1	05/02/05	05/02/05																																																	Review/Accept Reqmts, Update ICD & DB entries											
LN03100260	Develop Preliminary Design - Magnet Supports	2	05/03/05	05/04/05																																																	Develop Preliminary Design - Magnet Supports											
LN03100270	Conduct Preliminary Design Review (PDR)	1	05/05/05	05/05/05																																																	Conduct Preliminary Design Review (PDR)											
LN03100280	Develop Final Design - Magnet Supports	2	05/06/05	05/09/05																																																	Develop Final Design - Magnet Supports											
LN03100290	Conduct Final Design Review (FDR)	1	05/10/05	05/10/05																																																	Conduct Final Design Review (FDR)											
LN03100300	COMP: Quad Magnet Supports (QA_Quad) Design	0		05/10/05																																																	◆ COMP: Quad Magnet Supports (QA_Quad) Design											
LN03100305	Prep Bid Pak - Magnet Supports	1	05/11/05	05/11/05																																																	Prep Bid Pak - Magnet Supports											
LN03100315	RELEASE: RFP - Magnet Supports	0		05/11/05																																																	◆ RELEASE: RFP - Magnet Supports											
LN03100010	Review/Accept Reqmts, Update ICD & DB entries	2	05/11/05	05/12/05																																																	Review/Accept Reqmts, Update ICD & DB entries											
LN03100320	Vendors Prep Proposals - Magnet Supts	1	05/12/05	05/12/05																																																	Vendors Prep Proposals - Magnet Supts											
LN03100325	RCV: Proposals from Vendors - Supts	0		05/12/05																																																	◆ RCV: Proposals from Vendors - Supts											
LN03100015	Develop Preliminary Design - Magnet	1	05/13/05	05/13/05																																																	Develop Preliminary Design - Magnet											
LN03100330	Evaluate Vendor Proposals - Supports	1	05/13/05	05/13/05																																																	Evaluate Vendor Proposals - Supports											
LN03100025	Develop Preliminary Dsn - Magnet Field Analysis	1	05/16/05	05/16/05																																																	Develop Preliminary Dsn - Magnet Field Analysis											
LN03100030	Conduct Preliminary Design Review (PDR)	0	05/17/05	05/16/05																																																	Conduct Preliminary Design Review (PDR)											
LN03100040	Develop Final Design - Magnets	1	05/17/05	05/17/05																																																	Develop Final Design - Magnets											
LN03100050	Conduct Final Design Review (FDR)	2	05/18/05	05/19/05																																																	Conduct Final Design Review (FDR)											



Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.03.03.10 Quad Magnet (QA)</b>																																																																
LN03100060	Develop Magnetic Measurement Plan	2	05/20/05	05/23/05																																					Develop Magnetic Measurement Plan																							
LN03100065	COMP: Quad Magnet (QA_Quad) Design	0		05/23/05																																					◆ COMP: Quad Magnet (QA_Quad) Design																							
LN03100070	Prep Bid Pak - Magnets	1	05/24/05	05/24/05																																					Prep Bid Pak - Magnets																							
LN03100080	RELEASE: RFP - QA_Quad Magnet	0		05/24/05																																					◆ RELEASE: RFP - QA_Quad Magnet																							
LN03100085	Vendors Prep Proposals - Magnets	1	05/25/05	05/25/05																																					Vendors Prep Proposals - Magnets																							
LN03100090	RCV: Proposals from Vendors - Magnet	0		05/25/05																																					◆ RCV: Proposals from Vendors - Magnet																							
LN03100095	Evaluate Vendor Proposals - Magnets	0	05/26/05	05/25/05																																					Evaluate Vendor Proposals - Magnets																							
LN03100180	Procure Misc Materials - Magnets	0	10/03/05	09/30/05																																					Procure Misc Materials - Magnets																							
LN03100185	Fab Tooling	0	10/03/05	09/30/05																																					Fab Tooling																							
LN03100190	Fab Magnet Core	0	10/03/05	09/30/05																																					Fab Magnet Core																							
LN03100195	Fab Magnet Coils	0	10/03/05	09/30/05																																					Fab Magnet Coils																							
LN03100205	Prep for and Paint Magnets (as required)	0	10/03/05	09/30/05																																					Prep for and Paint Magnets (as required)																							
LN03100210	Assemble Magnets	0	10/03/05	09/30/05																																					Assemble Magnets																							
LN03100215	Perform Magnet Fiducialization (as required)	0	10/03/05	09/30/05																																					Perform Magnet Fiducialization (as required)																							
LN03100220	Perform QC & Inspection - Magnets	0	10/03/05	09/30/05																																					Perform QC & Inspection - Magnets																							
LN03100225	Perform Magnetic Measurement (as required)	0	10/03/05	09/30/05																																					Perform Magnetic Measurement (as required)																							
LN03100100	AWARD: Contract for Magnets	1	10/03/05	10/03/05																																					AWARD: Contract for Magnets																							
LN03100110	RCV: 1st Lot Magnets from Vendor	0		10/03/05																																					◆ RCV: 1st Lot Magnets from Vendor																							
LN03100120	RCV: Remaining Magnets from Vendor	0		10/03/05																																					◆ RCV: Remaining Magnets from Vendor																							
LN03100125	Hand-off to Pre-Instl Qual Testing	0		10/03/05																																					◆ Hand-off to Pre-Instl Qual Testing																							
LN03100335	AWARD: Contract for Supts	1	10/03/05	10/03/05																																					AWARD: Contract for Supts																							
LN03100130	Procure Misc Materials - Magnets	20	10/03/05	10/28/05																																					■ Procure Misc Materials - Magnets																							
LN03100360	Procure Misc Materials - Magnet Supports	20	10/03/05	10/28/05																																					■ Procure Misc Materials - Magnet Supports																							
LN03100105	Vendor Fab 1st Lot - Magnets	0	10/04/05	10/03/05																																					Vendor Fab 1st Lot - Magnets																							
LN03100115	Vendor Fab Remaining Lot - Magnets	0	10/04/05	10/03/05																																					Vendor Fab Remaining Lot - Magnets																							
LN03100340	Vendor Fab 1st Lot - Supts	40	10/04/05	11/30/05																																					■ Vendor Fab 1st Lot - Supts																							

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.03.03.10 Quad Magnet (QA)</b>																																																																
LN03100365	Fabricate Magnet Supports	0	10/31/05	10/28/05																																																												
LN03100370	Prep for, Clean & Plate Magnet Supts	0	10/31/05	10/28/05																																																												
LN03100375	Prep for and Paint Magnet Supports (as required)	0	10/31/05	10/28/05																																																												
LN03100380	Perform QC & Inspection on Magnets Supts	0	10/31/05	10/28/05																																																												
LN03100135	Disassemble Magnet	1	10/31/05	10/31/05																																																												
LN03100385	Assemble Magnet Supports	10	10/31/05	11/11/05																																																												
LN03100145	Refurbish Magnet Coils	1	11/01/05	11/01/05																																																												
LN03100150	Assemble Magnets	2	11/02/05	11/03/05																																																												
LN03100160	Prep for and Paint Magnets (as required)	0	11/04/05	11/03/05																																																												
LN03100165	Perform Magnet Fiducialization (as required)	0	11/04/05	11/03/05																																																												
LN03100170	Perform QC & Inspection - Magnets	0	11/04/05	11/03/05																																																												
LN03100175	Perform Magnetic Measurement (as required)	20	11/04/05	12/05/05																																																												
LN03100390	Hand-off to Pre-Instl Qual Testing	0		11/11/05																																																												
LN03100345	RCV: 1st Lot Magnet Supports from Vendor	0		11/30/05																																																												
LN03100355	RCV: Remaining Magnet Supts from Vendor	0		11/30/05																																																												
LN03100350	Vendor Fab Remaining Lot - Supts	0	12/01/05	11/30/05																																																												
LN03100395	Perform Pre-Installation Qualification - Support	1	12/01/05	12/01/05																																																												
LN03100400	AVAIL: QA_ Quad Magnet Supts Ready for BC1 Instl	0		12/01/05																																																												
LN03100401	AVAIL: QA_ Quad Magnet Supts Ready for BC2 Instl	0		12/01/05																																																												
LN03100230	Hand-off to Pre-Instl Qual Testing	0		12/05/05																																																												
LN03100235	Perform Magnet Pre-Instl Qual	2	12/06/05	12/07/05																																																												
LN03100240	AVAIL: QA_ Quad Magnets Ready for BC1 Instl	0		12/07/05																																																												
LN03100241	AVAIL: QA_ Quad Magnets Ready for BC2 Instl	0		12/07/05																																																												
<b>1.03.03.11 Bend Magnet (BYPM_LTU)</b>																																																																
LN03110000	Define Magnet Requirements	25	12/15/04	01/24/05																																																												
LN0311	BEND MAGNET (BYPM_LTU) SUMMARY	417	12/15/04	08/11/06																																																												

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.03.03.11 Bend Magnet (BYPM_LTU)</b>																																																																
LN03110600	Receive & Review Safety Cover Requirements	0	01/25/05	01/24/05																																																												
LN03110245	Define Magnet Support Requirements	2	01/25/05	01/26/05																																																												
LN03110005	Create ICD & Update LCLS Database	10	01/25/05	02/07/05																																																												
LN03110605	Develop Magnet Safety Cover Design	40	01/25/05	03/22/05																																																												
LN03110250	Create ICD & Update LCLS Database	1	01/27/05	01/27/05																																																												
LN03110255	Review/Accept Reqmts, Update ICD & DB entries	1	01/28/05	01/28/05																																																												
LN03110260	Develop Preliminary Design - Magnet Supports	6	01/31/05	02/07/05																																																												
LN03110010	Review/Accept Reqmts, Update ICD & DB entries	2	02/08/05	02/09/05																																																												
LN03110270	Conduct Preliminary Design Review (PDR)	2	02/08/05	02/09/05																																																												
LN03110280	Develop Final Design - Magnet Supports	4	02/10/05	02/15/05																																																												
LN03110015	Develop Preliminary Design - Magnet	10	02/10/05	02/24/05																																																												
LN03110290	Conduct Final Design Review (FDR)	2	02/16/05	02/17/05																																																												
LN03110300	COMP: Bend Magnet Supports (BYMP_LTU) Design	0		02/17/05																																																												
LN03110305	Prep Bid Pak - Magnet Supports	1	02/18/05	02/18/05																																																												
LN03110315	RELEASE: RFP - Magnet Supports	0		02/18/05																																																												
LN03110320	Vendors Prep Proposals - Magnet Supts	1	02/22/05	02/22/05																																																												
LN03110325	RCV: Proposals from Vendors - Supts	0		02/22/05																																																												
LN03110330	Evaluate Vendor Proposals - Supports	1	02/23/05	02/23/05																																																												
LN03110025	Develop Preliminary Dsn - Magnet Field Analysis	15	02/25/05	03/17/05																																																												
LN03110030	Conduct Preliminary Design Review (PDR)	1	03/18/05	03/18/05																																																												
LN03110040	Develop Final Design - Magnets	10	03/21/05	04/01/05																																																												
LN03110610	COMP: Magnet Safety Design	0		03/22/05																																																												
LN03110615	Procure Magnet Safety Cover Material	60	03/23/05	06/15/05																																																												
LN03110050	Conduct Final Design Review (FDR)	2	04/04/05	04/05/05																																																												
LN03110060	Develop Magnetic Measurement Plan	10	04/06/05	04/19/05																																																												
LN03110065	COMP: Bend Magnet (BYMP_LTU) Design	0		04/19/05																																																												



Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.03.03.11 Bend Magnet (BYPM_LTU)</b>																																																																
LN03110145	Refurbish Magnet Coils	1	10/04/05	10/04/05																									Refurbish Magnet Coils																																			
LN03110340	Vendor Fab 1st Lot - Supts	20	10/04/05	10/31/05																									Vendor Fab 1st Lot - Supts																																			
LN03110150	Assemble Magnets	0	10/05/05	10/04/05																									Assemble Magnets																																			
LN03110152	Prep for and Paint Magnets (as required)	0	10/05/05	10/04/05																									Prep for and Paint Magnets (as required)																																			
LN03110154	Perform Magnet Fiducialization (as required)	0	10/05/05	10/04/05																									Perform Magnet Fiducialization (as required)																																			
LN03110156	Perform QC & Inspection - Magnets	0	10/05/05	10/04/05																									Perform QC & Inspection - Magnets																																			
LN03110158	Perform Magnetic Measurement (as required)	0	10/05/05	10/04/05																									Perform Magnetic Measurement (as required)																																			
LN03110184	RCV: from Vendor - Misc Materials - Magnets	0		10/28/05																									RCV: from Vendor - Misc Materials - Magnets																																			
LN03110345	RCV: 1st Lot Magnet Supports from Vendor	0		10/31/05																									RCV: 1st Lot Magnet Supports from Vendor																																			
LN03110355	RCV: Remaining Magnet Supts from Vendor	0		10/31/05																									RCV: Remaining Magnet Supts from Vendor																																			
LN03110190	Fab Tooling	20	10/31/05	11/29/05																									Fab Tooling																																			
LN03110350	Vendor Fab Remaining Lot - Supts	0	11/01/05	10/31/05																									Vendor Fab Remaining Lot - Supts																																			
LN03110192	Fab Magnet Core	80	11/30/05	03/27/06																									Fab Magnet Core																																			
LN03110194	Fab Magnet Coils	0	03/28/06	03/27/06																									Fab Magnet Coils																																			
LN03110205	Prep for and Paint Magnets (as required)	20	03/28/06	04/24/06																									Prep for and Paint Magnets (as required)																																			
LN03110360	Procure Misc Materials - Magnet Supports	20	03/28/06	04/24/06																									Procure Misc Materials - Magnet Supports																																			
LN03110365	Fabricate Magnet Supports	6	04/25/06	05/02/06																									Fabricate Magnet Supports																																			
LN03110210	Assemble Magnets	25	04/25/06	05/30/06																									Assemble Magnets																																			
LN03110370	Prep for, Clean & Plate Magnet Supts	0	05/03/06	05/02/06																									Prep for, Clean & Plate Magnet Supts																																			
LN03110375	Prep for and Paint Magnet Supports (as required)	0	05/03/06	05/02/06																									Prep for and Paint Magnet Supports (as required)																																			
LN03110380	Perform QC & Inspection on Magnets Supts	6	05/03/06	05/10/06																									Perform QC & Inspection on Magnets Supts																																			
LN03110385	Assemble Magnet Supports	15	05/11/06	06/01/06																									Assemble Magnet Supports																																			
LN03110215	Perform Magnet Fiducialization (as required)	10	05/31/06	06/13/06																									Perform Magnet Fiducialization (as required)																																			
LN03110390	Hand-off to Pre-Instl Qual Testing	0		06/01/06																									Hand-off to Pre-Instl Qual Testing																																			
LN03110395	Perform Pre-Installation Qualification - Support	2	06/02/06	06/05/06																									Perform Pre-Installation Qualification - Support																																			
LN03110400	AVAIL: BYMP_LTU Magnet Supts Ready for Instl	0		06/05/06																									AVAIL: BYMP_LTU Magnet Supts Ready for																																			



Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08																							
<b>1.03.03.12 Bend Magnet (BYKIK_LTU)</b>																																																																												
LN03120060	Develop Magnetic Measurement Plan	10	04/06/05	04/19/05																									■ Develop Magnetic Measurement Plan																																															
LN03120065	COMP: Bend Magnet (BYKIK_LTU) Design	0		04/19/05																									◆ COMP: Bend Magnet (BYKIK_LTU) Design																																															
LN03120180	Procure Misc Materials - Magnets	20	10/03/05	10/28/05																									■ Procure Misc Materials - Magnets																																															
LN03120185	Fab Tooling	30	10/31/05	12/13/05																									■ Fab Tooling																																															
LN03120190	Fab Magnet Core	40	12/14/05	02/10/06																									■ Fab Magnet Core																																															
LN03120195	Fab Magnet Coils	60	02/13/06	05/08/06																									■ Fab Magnet Coils																																															
LN03120205	Prep for and Paint Magnets (as required)	5	05/09/06	05/15/06																									■ Prep for and Paint Magnets (as required)																																															
LN03120210	Assemble Magnets	5	05/16/06	05/22/06																									■ Assemble Magnets																																															
LN03120215	Perform Magnet Fiducialization (as required)	10	05/23/06	06/06/06																									■ Perform Magnet Fiducialization (as required)																																															
LN03120220	Perform QC & Inspection - Magnets	20	06/07/06	07/05/06																									■ Perform QC & Inspection - Magnets																																															
LN03120225	Perform Magnetic Measurement (as required)	20	07/06/06	08/02/06																									■ Perform Magnetic Measurement (as required)																																															
LN03120230	Hand-off to Pre-Instl Qual Testing	0		08/02/06																									◆ Hand-off to Pre-Instl Qual Testing																																															
LN03120080	RELEASE: RFP - BYKIK_LTU Bend Magnet	0		10/02/06																									◆ RELEASE: RFP - BYKIK_LTU Bend Magnet																																															
LN03120070	Prep Bid Pak - Magnets	0	10/03/06	10/02/06																																					■ Prep Bid Pak - Magnets																																			
LN03120130	Procure Misc Materials - Magnets	0	10/03/06	10/02/06																																					■ Procure Misc Materials - Magnets																																			
LN03120085	Vendors Prep Proposals - Magnets	1	10/03/06	10/03/06																																					■ Vendors Prep Proposals - Magnets																																			
LN03120090	RCV: Proposals from Vendors - Magnet	0		10/03/06																									◆ RCV: Proposals from Vendors - Magnet																																															
LN03120135	Disassemble Magnet	1	10/03/06	10/03/06																																					■ Disassemble Magnet																																			
LN03120305	Prep Bid Pak - Magnet Supports	1	10/03/06	10/03/06																																					■ Prep Bid Pak - Magnet Supports																																			
LN03120315	RELEASE: RFP - Magnet Supports	0		10/03/06																									◆ RELEASE: RFP - Magnet Supports																																															
LN03120615	Procure Magnet Safety Cover (1ea)	20	10/03/06	10/30/06																									■ Procure Magnet Safety Cover (1ea)																																															
LN03120095	Evaluate Vendor Proposals - Magnets	0	10/04/06	10/03/06																																					■ Evaluate Vendor Proposals - Magnets																																			
LN03120100	AWARD: Contract for Magnets	1	10/04/06	10/04/06																																					■ AWARD: Contract for Magnets																																			
LN03120110	RCV: 1st Lot Magnets from Vendor	0		10/04/06																									◆ RCV: 1st Lot Magnets from Vendor																																															
LN03120120	RCV: Remaining Magnets from Vendor	0		10/04/06																									◆ RCV: Remaining Magnets from Vendor																																															
LN03120125	Hand-off to Pre-Instl Qual Testing	0		10/04/06																									◆ Hand-off to Pre-Instl Qual Testing																																															

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.03.03.12 Bend Magnet (BYKIK_LTU)</b>																																																																
LN03120145	Refurbish Magnet Coils	1	10/04/06	10/04/06																																					Refurbish Magnet Coils																							
LN03120320	Vendors Prep Proposals - Magnet Supts	1	10/04/06	10/04/06													Vendors Prep Proposals - Magnet Supts																																															
LN03120325	RCV: Proposals from Vendors - Supts	0		10/04/06													RCV: Proposals from Vendors - Supts																																															
LN03120105	Vendor Fab 1st Lot - Magnets	0	10/05/06	10/04/06																																					Vendor Fab 1st Lot - Magnets																							
LN03120115	Vendor Fab Remaining Lot - Magnets	0	10/05/06	10/04/06																																					Vendor Fab Remaining Lot - Magnets																							
LN03120150	Assemble Magnets	0	10/05/06	10/04/06																																					Assemble Magnets																							
LN03120160	Prep for and Paint Magnets (as required)	0	10/05/06	10/04/06													Prep for and Paint Magnets (as required)																																															
LN03120165	Perform Magnet Fiducialization (as required)	0	10/05/06	10/04/06													Perform Magnet Fiducialization (as required)																																															
LN03120170	Perform QC & Inspection - Magnets	0	10/05/06	10/04/06																																					Perform QC & Inspection - Magnets																							
LN03120175	Perform Magnetic Measurement (as required)	0	10/05/06	10/04/06													Perform Magnetic Measurement (as required)																																															
LN03120330	Evaluate Vendor Proposals - Supports	1	10/05/06	10/05/06																																					Evaluate Vendor Proposals - Supports																							
LN03120235	Perform Magnet Pre-Instlation Qual	2	10/05/06	10/06/06																																					Perform Magnet Pre-Instlation Qual																							
LN03120240	AVAIL: BYKIK_LTU Magnet Ready for Instl	0		10/06/06													AVAIL: BYKIK_LTU Magnet Ready for Ins																																															
LN03120335	AWARD: Contract for Supts	1	10/06/06	10/06/06																																					AWARD: Contract for Supts																							
LN03120340	Vendor Fab 1st Lot - Supts	20	10/09/06	11/03/06																																					Vendor Fab 1st Lot - Supts																							
LN03120620	RCV: Magnet Safety Cover Material	0		10/30/06																																					RCV: Magnet Safety Cover Material																							
LN03120630	REQD: Reusable Safety Covers for Refurbishment	0		10/30/06																																					REQD: Reusable Safety Covers for																							
LN03120640	AVAIL: Magnet Safety Covers Ready for Instl	0		10/30/06													AVAIL: Magnet Safety Covers Ready for Ins																																															
LN03120625	Fab and Assemble New Magnet Safety Covers (0ea)	0	10/31/06	10/30/06																																					Fab and Assemble New Magnet Safe																							
LN03120635	Refurbish Reusable Safety Covers (0ea)	0	10/31/06	10/30/06													Refurbish Reusable Safety Covers (0ea)																																															
LN03120345	RCV: 1st Lot Magnet Supports from Vendor	0		11/03/06													RCV: 1st Lot Magnet Supports from Vendo																																															
LN03120355	RCV: Remaining Magnet Supts from Vendor	0		11/03/06													RCV: Remaining Magnet Supts from Vendo																																															
LN03120350	Vendor Fab Remaining Lot - Supts	0	11/06/06	11/03/06																																					Vendor Fab Remaining Lot - Supts																							
LN03120360	Procure Misc Materials - Magnet Supports	20	03/28/07	04/24/07													Procure Misc Materials - Magnet Support																																															
LN03120365	Fabricate Magnet Supports	6	04/25/07	05/02/07																																					Fabricate Magnet Supports																							
LN03120370	Prep for, Clean & Plate Magnet Supts	0	05/03/07	05/02/07													Prep for, Clean & Plate Magnet Supts																																															



Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.03.03.12 Bend Magnet (BYKIK_LTU)</b>																																																																
LN03120375	Prep for and Paint Magnet Supports (as required)	0	05/03/07	05/02/07																																																												
LN03120380	Perform QC & Inspection on Magnets Supts	6	05/03/07	05/10/07																																																												
LN03120385	Assemble Magnet Supports	15	05/11/07	06/01/07																																																												
LN03120390	Hand-off to Pre-Instl Qual Testing	0		06/01/07																																																												
LN03120395	Perform Pre-Installation Qualification - Support	2	06/04/07	06/05/07																																																												
LN03120400	AVAIL: BYKIK_LTU Magnet Supts Ready for Instl	0		06/05/07																																																												
<b>1.03.03.13 Bend Magnet (BYW_LTU)</b>																																																																
LN03130600	Receive & Review Safety Cover Requirements	0	12/15/04	12/14/04																																																												
LN03130000	RCV: Magnet Requirements from System Integ	0	12/15/04																																																													
LN03130605	Develop Magnet Safety Cover Design	40	12/15/04	02/14/05																																																												
LN0313	BEND MAGNET (BYW_LTU) SUMMARY	501	12/15/04	12/12/06																																																												
LN03130610	COMP: Magnet Safety Design	0		02/14/05																																																												
LN03130245	Define Magnet Support Requirements	2	05/24/05	05/25/05																																																												
LN03130250	Create ICD & Update LCLS Database	1	05/26/05	05/26/05																																																												
LN03130255	Review/Accept Reqmts, Update ICD & DB entries	1	05/27/05	05/27/05																																																												
LN03130260	Develop Preliminary Design - Magnet Supports	6	05/31/05	06/07/05																																																												
LN03130270	Conduct Preliminary Design Review (PDR)	2	06/08/05	06/09/05																																																												
LN03130280	Develop Final Design - Magnet Supports	4	06/10/05	06/15/05																																																												
LN03130290	Conduct Final Design Review (FDR)	2	06/16/05	06/17/05																																																												
LN03130300	COMP: Bend Magnet Supports (BYW_LTU) Design	0		06/17/05																																																												
LN03130010	REQD: Existing SLAC Magents Available for LCLS	0		06/21/06																																																												
LN03130240	AVAIL: BYW_LTU Magnet Ready for Instl	0		06/21/06																																																												
LN03130340	Procure Magnet Supports	20	10/03/06	10/30/06																																																												
LN03130360	Procure Misc Materials - Magnet Supports	20	10/03/06	10/30/06																																																												
LN03130615	Procure Magnet Safety Cover (4ea)	40	10/03/06	11/29/06																																																												
LN03130345	RCV: Magnet Supports from Vendor	0		10/30/06																																																												

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.03.03.13 Bend Magnet (BYW_LTU)</b>																																																																
LN03130365	Fabricate Magnet Supports	6	10/31/06	11/07/06																																					Fabricate Magnet Supports																							
LN03130380	Perform QC & Inspection on Magnets Supts	6	11/08/06	11/15/06													Perform QC & Inspection on Magnets Supts																																															
LN03130385	Assemble Magnet Supports	15	11/16/06	12/08/06																																					Assemble Magnet Supports																							
LN03130620	RCV: Magnet Safety Cover Material	0		11/29/06																									RCV: Magnet Safety Cover Material																																			
LN03130640	AVAIL: Magnet Safety Covers Ready for Instl	0		11/29/06																									AVAIL: Magnet Safety Covers Ready for Ins																																			
LN03130390	Hand-off to Pre-Instl Qual Testing	0		12/08/06																																					Hand-off to Pre-Instl Qual Testing																							
LN03130395	Perform Pre-Installation Qualification - Support	2	12/11/06	12/12/06																																					Perform Pre-Installation Qualification - Support																							
LN03130400	AVAIL: BYW_LTU Magnet Supts Ready for Instl	0		12/12/06																									AVAIL: BYW_LTU Magnet Supts Ready for Ins																																			
<b>1.03.04 Linac Vacuum Subsystem</b>																																																																
LN04	LINAC VACUUM SUBSYSTEM SUMMARY	819	03/22/04A	06/20/07																																																	LINAC VACUUM SUBSY											
<b>1.03.04.02 Linac Beamline Vacuum System</b>																																																																
LN04020000	Define Linac BL Vac Sys Requirements	10	10/18/04	10/29/04																																					Define Linac BL Vac Sys Requirements																							
LN0402	LINAC BEAMLINE VACUUM CHAMBERS SUMMARY	412	10/18/04	06/08/06																																					LINAC BEAMLINE VACUUM CHAMBERS SU																							
LN04020005	Create ICD & Update LCLS Database	2	11/01/04	11/02/04																																					Create ICD & Update LCLS Database																							
LN04020010	Review & Accept Requirements, ICD & DB Entries	1	11/03/04	11/03/04																																					Review & Accept Requirements, ICD & DB Entries																							
LN04020015	Develop Preliminary Vacuum System Design	60	11/04/04	02/03/05																																					Develop Preliminary Vacuum System Design																							
LN04020020	Develop Prelim Component Layouts, Details & Supp	40	12/20/04	02/17/05																																					Develop Prelim Component Layouts, Details & Supp																							
LN04020025	Conduct Prelim Design Review (PDR) - BL Vac Sys	1	02/18/05	02/18/05																																					Conduct Prelim Design Review (PDR) - BL Vac Sys																							
LN04020030	Develop Final Design	50	02/22/05	05/02/05																																					Develop Final Design																							
LN04020035	Conduct Final Design Review (FDR) - BL Vac Sys	1	05/03/05	05/03/05																																					Conduct Final Design Review (FDR) - BL Vac Sys																							
LN04020040	COMP: Beamline Vacuum System Design	0		05/03/05																																					COMP: Beamline Vacuum System Design																							
LN04020240	Prep Bid Pak - Linac Beamline Vacuum System	0	05/04/05	05/03/05																																					Prep Bid Pak - Linac Beamline Vacuum System																							
LN04020245	RELEASE: RFP - Linac Vacuum Supports	0	05/04/05	05/03/05																																					RELEASE: RFP - Linac Vacuum Supports																							
LN04020250	Vendors Prep Proposals - BL Vac System Component	0	05/04/05	05/24/05																																					Vendors Prep Proposals - BL Vac System Component																							
LN04020255	RCV: Proposal from Vendors	0	05/25/05	05/24/05																																					RCV: Proposal from Vendors																							
LN04020260	Evaluate Vendor Proposals	0	05/25/05	06/08/05																																					Evaluate Vendor Proposals																							

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04		FY05		FY06		FY07		FY08	
<b>1.03.04.02 Linac Beamline Vacuum System</b>														
LN04020265	AWARD: Contract for Linac Vacuum Supports	0	10/03/05	10/03/05										
LN04020285	RCV: Remaining Lot from Vendor (as req'd)	0		10/03/05										
LN04020045	Develop Vacuum Post-Processing Plan	5	10/03/05	10/07/05										
LN04020150	Prep Bid Pak - BL Vacuum Bellows Module	15	10/03/05	10/21/05										
LN04020100	Procure Vacuum Chamber Materials	20	10/03/05	10/28/05										
LN04020200	Procure Bellows Modules	20	10/03/05	10/28/05										
LN04020205	Procure Bellows Material	20	10/03/05	10/28/05										
LN04020290	Procure Misc Materials - Vacuum Supports	20	10/03/05	10/28/05										
LN04020270	Fabricate 1st Lot	0	10/04/05	10/03/05										
LN04020275	RCV: 1st Lot Vac Equipment from Vendor	0	10/04/05	10/03/05										
LN04020280	Fabricate Remaining Lot (as required)	0	10/04/05	10/03/05										
LN04020050	Prep Bid Pak - Linac Beamline Vacuum System	10	10/10/05	10/21/05										
LN04020065	RCV: Proposal from Vendors	0		10/21/05										
LN04020055	RELEASE: RFP - BL Vacuum Chambers	0	10/24/05	10/21/05										
LN04020060	Vendors Prep Proposals - BL Vac System Component	0	10/24/05	10/21/05										
LN04020155	RELEASE: RFP - BL Vacuum Bellows Module	0	10/24/05	10/21/05										
LN04020160	Vendors Prep Proposals - BL Vac System Component	0	10/24/05	10/21/05										
LN04020165	RCV: Proposal from Vendors	0	10/24/05	10/21/05										
LN04020070	Evaluate Vendor Proposals	10	10/24/05	11/04/05										
LN04020170	Evaluate Vendor Proposals	10	10/24/05	11/04/05										
LN04020105	Fab Vacuum Chamber	40	10/31/05	12/28/05										
LN04020295	Fab Vacuum Support	100	10/31/05	03/27/06										
LN04020075	AWARD: Contract for Beamline Vac Chambers	1	11/07/05	11/07/05										
LN04020085	RCV: 1st Lot Vac Equipment from Vendor	0		11/07/05										
LN04020095	RCV: Remaining Lot from Vendor (as req'd)	0		11/07/05										
LN04020080	Fabricate 1st Lot	0	11/08/05	11/07/05										

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.03.04.02 Linac Beamline Vacuum System</b>																																																																
LN04020090	Fabricate Remaining Lot (as required)	0	11/08/05	11/07/05																									Fabricate Remaining Lot (as required)																																			
LN04020300	Assemble Beamline Vacuum Supports	100	11/30/05	04/24/06																									Assemble Beamline Vacuum Supports																																			
LN04020175	AWARD: Contract for Vacuum Bellows Module	1	12/29/05	12/29/05																									AWARD: Contract for Vacuum Bellows Module																																			
LN04020195	RCV: Remaining Lot from Vendor (as req'd)	0		12/29/05																									RCV: Remaining Lot from Vendor (as req'd)																																			
LN04020110	Vacuum Chamber QA	10	12/29/05	01/12/06																									Vacuum Chamber QA																																			
LN04020180	Fabricate 1st Lot	0	12/30/05	12/29/05																									Fabricate 1st Lot																																			
LN04020185	RCV: 1st Lot Vac Equipment from Vendor	0	12/30/05	12/29/05																									RCV: 1st Lot Vac Equipment from Vendor																																			
LN04020190	Fabricate Remaining Lot (as required)	0	12/30/05	12/29/05																									Fabricate Remaining Lot (as required)																																			
LN04020210	Bellows Fabrication	20	12/30/05	01/30/06																									Bellows Fabrication																																			
LN04020115	Prep for, Clean & Plate Vacuum Equipment	20	01/13/06	02/10/06																									Prep for, Clean & Plate Vacuum Equipment																																			
LN04020215	Bellows QA	4	01/31/06	02/03/06																									Bellows QA																																			
LN04020220	Bellows Cleaning/Plating	8	02/06/06	02/15/06																									Bellows Cleaning/Plating																																			
LN04020120	Vacuum Chamber Welding	40	02/13/06	04/10/06																									Vacuum Chamber Welding																																			
LN04020225	Bellows Welding	8	02/16/06	02/28/06																									Bellows Welding																																			
LN04020230	Bellows Vacuum Processing	15	03/01/06	03/21/06																									Bellows Vacuum Processing																																			
LN04020235	AVAIL: Vacuum Bellows Module Ready for L01 Instl	0		03/21/06																									AVAIL: Vacuum Bellows Module Ready for L01																																			
LN04020125	Process Vacuum Chamber	30	04/11/06	05/22/06																									Process Vacuum Chamber																																			
LN04020305	AVAIL: BL Vac Chamber Supts Ready for L01 Instl	0		04/24/06																									AVAIL: BL Vac Chamber Supts Ready for L01																																			
LN04020130	Perform QC and Inspection	6	05/23/06	05/31/06																									Perform QC and Inspection																																			
LN04020135	Prep for & Deliver to "Pre-Install Qual Test"	1	06/01/06	06/01/06																									Prep for & Deliver to "Pre-Install Qual Test"																																			
LN04020140	Perform Pre-Installation Qual Test	5	06/02/06	06/08/06																									Perform Pre-Installation Qual Test																																			
LN04020145	AVAIL: Beamline Vac Chambers Ready for L01 Instl	0		06/08/06																									AVAIL: Beamline Vac Chambers Ready for																																			
<b>1.03.04.03 BC1 Vacuum System</b>																																																																
LN04030005	Create ICD & Update LCLS Database	2	03/22/04A	03/23/04A																																																												
LN04030000	Define BC1 Vac Sys Requirements	47	03/22/04A	05/03/04A													Define BC1 Vac Sys Requirements																																															
LN0403	LINAC BC1 VACUUM CHAMBERS SUMMARY	593	03/22/04A	07/27/06																									LINAC BC1 VACUUM CHAMBERS SUMM																																			

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.03.04.03 BC1 Vacuum System</b>																																																																
LN04030010	Review & Accept Requirements, ICD & DB Entries	1	03/24/04A	03/24/04A																																																												
LN04030015	Develop Preliminary Vacuum System Design	43*	06/01/04A	06/30/04A													■ Develop Preliminary Vacuum System Design																																															
LN04030020	Conduct Prelim Design Review (PDR) - BC1 Vac Sys	1	07/28/04*	07/28/04																									■ Conduct Prelim Design Review (PDR) - BC1 Vac Sys																																			
LN04030025	Develop Final Design	50	07/29/04	10/07/04																									■ Develop Final Design																																			
LN04030030	Conduct Final Design Review (FDR) - BC1 Vac Sys	1	10/08/04	10/08/04																									■ Conduct Final Design Review (FDR) - BC1 Vac Sys																																			
LN04030035	COMP: BC1 Vacuum Chambers Design	0		10/08/04																									◆ COMP: BC1 Vacuum Chambers Design																																			
LN04030040	Develop Vacuum Post-Processing Plan	5	10/11/04	10/15/04																									■ Develop Vacuum Post-Processing Plan																																			
LN04030045	Prep Bid Pak - BC1 Vacuum Chambers	10	10/03/05	10/14/05																									■ Prep Bid Pak - BC1 Vacuum Chambers																																			
LN04030050	RELEASE: RFP - BC1 Vacuum Chambers	0	10/17/05	10/14/05																									■ RELEASE: RFP - BC1 Vacuum Chambers																																			
LN04030055	Vendors Prep Proposals - BC1 Vac System	10	10/17/05	10/28/05																									■ Vendors Prep Proposals - BC1 Vac System																																			
LN04030060	RCV: Proposal from Vendors	0	10/31/05	10/28/05																									■ RCV: Proposal from Vendors																																			
LN04030065	Evaluate Vendor Proposals	10	10/31/05	11/11/05																									■ Evaluate Vendor Proposals																																			
LN04030070	AWARD: Contract for BC1 Vacuum Chambers	1	11/14/05	11/14/05																									■ AWARD: Contract for BC1 Vacuum Chambers																																			
LN04030075	Vendor Fab & Assy - Vacuum Chamber Materials	20	11/15/05	12/14/05																									■ Vendor Fab & Assy - Vacuum Chamber Materials																																			
LN04030080	RCV: from Vendor - Vacuum Chamber Materials	0		12/14/05																									◆ RCV: from Vendor - Vacuum Chamber Materials																																			
LN04030100	Fab Vacuum Chamber	100	12/15/05	05/09/06																									■ Fab Vacuum Chamber																																			
LN04030105	Vacuum Chamber QA	8	05/10/06	05/19/06																									■ Vacuum Chamber QA																																			
LN04030110	Prep for, Clean & Plate Vacuum Equipment	11	05/22/06	06/06/06																									■ Prep for, Clean & Plate Vacuum Equipment																																			
LN04030115	Vacuum Chamber Welding	17	06/07/06	06/29/06																									■ Vacuum Chamber Welding																																			
LN04030120	Process Vacuum Chamber	7	06/30/06	07/11/06																									■ Process Vacuum Chamber																																			
LN04030125	Perform QC and Inspection	6	07/12/06	07/19/06																									■ Perform QC and Inspection																																			
LN04030130	Prep for & Deliver to "Pre-Install Qual Test"	1	07/20/06	07/20/06	■ Prep for & Deliver to "Pre-Install Qual Test"																																																											
LN04030135	Perform Pre-Installation Qual Test	5	07/21/06	07/27/06																									■ Perform Pre-Installation Qual Test																																			
LN04030140	AVAIL: BC1 Vac Chambers Ready for Install	0		07/27/06																									◆ AVAIL: BC1 Vac Chambers Ready for In																																			
<b>1.03.04.04 BC2 Vacuum System</b>																																																																
LN04040000	Define BC2 Vac Sys Requirements	10	02/22/05	03/07/05																									■ Define BC2 Vac Sys Requirements																																			

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.03.04.04 BC2 Vacuum System</b>																																																																
LN0404	LINAC BC2 VACUUM CHAMBERS SUMMARY	546	02/22/05	04/20/07																																																												
LN04040005	Create ICD & Update LCLS Database	2	03/08/05	03/09/05																																																												
LN04040010	Review & Accept Requirements, ICD & DB Entries	1	03/10/05	03/10/05																																																												
LN04040015	Develop Preliminary Vacuum System Design	40	03/11/05	05/05/05																																																												
LN04040020	Conduct Prelim Design Review (PDR) - BC2 Vac Sys	5	05/06/05	05/12/05																																																												
LN04040025	Develop Final Design -BC2 Vac	50	05/13/05	07/25/05																																																												
LN04040030	Conduct Final Design Review (FDR) - BC2 Vac Sys	5	07/26/05	08/01/05																																																												
LN04040035	COMP: BC2 Vacuum Chambers Design	0		08/01/05																																																												
LN04040040	Develop Vacuum Post-Processing Plan	5	08/02/05	08/08/05																																																												
LN04040045	Prep Bid Pak - BC2 Vac Chamber Mtrl	10	05/10/06	05/23/06																																																												
LN04040050	RELEASE: RFP - BC2 Vac Chambers Mtrl	0	05/24/06	05/23/06																																																												
LN04040055	Vendors Prep Proposals - BC2 Vac System	10	05/24/06	06/07/06																																																												
LN04040060	RCV: Proposal from Vendors	0	06/08/06	06/07/06																																																												
LN04040065	Evaluate Vendor Proposals	10	06/08/06	06/21/06																																																												
LN04040070	AWARD: Contract for BC2 Vac Chambers Mtrl	1	06/22/06	06/22/06																																																												
LN04040075	Procure Vacuum Chamber Materials	20	06/23/06	07/21/06																																																												
LN04040076	Procure Bellows Module	20	06/23/06	07/21/06																																																												
LN04040077	Procure CF Copper Gasket	20	06/23/06	07/21/06																																																												
LN04040078	Procure CF Bolt Set	20	06/23/06	07/21/06																																																												
LN04040080	RCV: from Vendor - Vacuum Chamber Materials	0		07/21/06																																																												
LN04040100	Fab Vacuum Chamber	133	07/24/06	02/01/07																																																												
LN04040105	Vacuum Chamber QA	8	02/02/07	02/13/07																																																												
LN04040110	Prep for, Clean & Plate Vacuum Equipment	11	02/14/07	03/01/07																																																												
LN04040115	Vacuum Chamber Welding	17	03/02/07	03/26/07																																																												
LN04040120	Process Vacuum Chamber	7	03/27/07	04/04/07																																																												
LN04040125	Perform QC and Inspection	6	04/05/07	04/12/07																																																												

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.03.04.04 BC2 Vacuum System</b>																																																																
LN04040130	Prep for & Deliver to "Pre-Install Qual Test"	1	04/13/07	04/13/07	Prep for & Deliver to "Pre-Install Qual Test"																																																											
LN04040135	Perform Pre-Installation Qual Test	5	04/16/07	04/20/07	Perform Pre-Installation Qual Test																																																											
LN04040140	AVAIL: BC2 Vac Chambers Ready for Install	0		04/20/07	AVAIL: BC2 Vac Chambers Ready for Install																																																											
<b>1.03.04.05 Linac to Undulator (LTU) Vacuum System</b>																																																																
LN04050000	Define LTU Vac Sys Requirements	10	10/03/05	10/14/05	Define LTU Vac Sys Requirements																																																											
LN0405	LINAC to UND (LTU) VAC CHAMBERS SUMMARY	432	10/03/05	06/20/07	LINAC to UND (LTU) VAC CHAMBERS SUMMARY																																																											
LN04050003	Create ICD & Update LCLS Database	2	10/17/05	10/18/05	Create ICD & Update LCLS Database																																																											
LN04050005	Review & Accept Requirements, ICD & DB Entries	2	10/19/05	10/20/05	Review & Accept Requirements, ICD & DB Entries																																																											
LN04050015	Develop Preliminary Vac Sys Supports Design	40	10/21/05	12/19/05	Develop Preliminary Vac Sys Supports Design																																																											
LN04050010	Develop Preliminary Vacuum System Design	100	10/21/05	03/17/06	Develop Preliminary Vacuum System Design																																																											
LN04050020	Conduct Prelim Design Review (PDR) - LTU Vac Sys	4	03/20/06	03/23/06	Conduct Prelim Design Review (PDR) - LTU Vac Sys																																																											
LN04050025	Develop Final Design	50	03/24/06	06/02/06	Develop Final Design																																																											
LN04050030	Conduct Final Design Review (FDR) - LTU Vac Sys	4	06/05/06	06/08/06	Conduct Final Design Review (FDR) - LTU Vac Sys																																																											
LN04050035	COMP: LTU Vacuum Chambers Design	0		06/08/06	COMP: LTU Vacuum Chambers Design																																																											
LN04050155	RELEASE: RFP - LTU Vacuum Supports	0		06/08/06	RELEASE: RFP - LTU Vacuum Supports																																																											
LN04050165	RCV: Proposals from Vendors -	0		06/08/06	RCV: Proposals from Vendors -																																																											
LN04050185	RCV: 1st Lot Vac Equipment from Vendor	0		06/08/06	RCV: 1st Lot Vac Equipment from Vendor																																																											
LN04050195	RCV: Remaining Lot from Vendor (as req'd)	0		06/08/06	RCV: Remaining Lot from Vendor (as req'd)																																																											
LN04050150	Prep Bid Pak - Vacuum Supports	0	06/09/06	06/08/06	Prep Bid Pak - Vacuum Supports																																																											
LN04050160	Vendors Prep Proposals - LTU Vac System	0	06/09/06	06/08/06	Vendors Prep Proposals - LTU Vac System																																																											
LN04050170	Evaluate Vendor Proposals	0	06/09/06	06/08/06	Evaluate Vendor Proposals																																																											
LN04050175	AWARD: Contract for LTU Vacuum Supports	0	06/09/06	06/08/06	AWARD: Contract for LTU Vacuum Supports																																																											
LN04050180	Fabricate 1st Lot	0	06/09/06	06/08/06	Fabricate 1st Lot																																																											
LN04050190	Fabricate Remaining Lot (as required)	0	06/09/06	06/08/06	Fabricate Remaining Lot (as required)																																																											
LN04050040	Develop Vacuum Post-Processing Plan	20	06/09/06	07/07/06	Develop Vacuum Post-Processing Plan																																																											
LN04050205	Procure Misc Materials - Vacuum Supports	20	06/09/06	07/07/06	Procure Misc Materials - Vacuum Supports																																																											

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.03.04.05 Linac to Undulator (LTU) Vacuum System</b>																																																																
LN04050206	Procure Materials for Vacuum Supports	20	06/09/06	07/07/06																																																												
LN04050045	Prep Bid Pak - Vacuum Equipment	5	07/10/06	07/14/06																																																												
LN04050210	Fab Vacuum Support	80	07/10/06	10/30/06																																																												
LN04050050	RELEASE: RFP - Vacuum Equipment	0		07/14/06																																																												
LN04050055	Vendors Prep Proposals - Vacuum Equipment	10	07/17/06	07/28/06																																																												
LN04050060	RCV: Proposals from Vendors - Vacuum Equipment	0		07/28/06																																																												
LN04050065	Evaluate Vendor Proposals	2	07/31/06	08/01/06																																																												
LN04050070	AWARD: Contract - Vacuum Equipment	1	08/02/06	08/02/06																																																												
LN04050100	Procure Vacuum Chamber Material	1	08/03/06	08/03/06																																																												
LN04050207	Procure Bellows	100	08/03/06	12/26/06																																																												
LN04050208	Procure CF Flanges	100	08/03/06	12/26/06																																																												
LN04050209	Procure CF Crosses	100	08/03/06	12/26/06																																																												
LN04050211	Procure Vat Valve	100	08/03/06	12/26/06																																																												
LN04050212	Procure Pump Out Valve	100	08/03/06	12/26/06																																																												
LN04050213	Procure Cold Cathode Gauge	100	08/03/06	12/26/06																																																												
LN04050214	Procure Pirani Gauge	100	08/03/06	12/26/06																																																												
LN04050216	Procure Gauge Pig Tail	100	08/03/06	12/26/06																																																												
LN04050217	Procure Ion Pump	100	08/03/06	12/26/06																																																												
LN04050218	Procure Ion Pump Pig Tail	100	08/03/06	12/26/06																																																												
LN04050219	Procure Copper Gasket	100	08/03/06	12/26/06																																																												
LN04050221	Procure CF Bolt Set	100	08/03/06	12/26/06																																																												
LN04050105	Fab Vacuum Chamber	80	08/31/06	12/26/06																																																												
LN04050215	Assemble LTU Vacuum Supports	80	09/05/06	12/28/06																																																												
LN04050110	Vacuum Chamber QA Fabrication	0	11/28/06	11/27/06																																																												
LN04050080	RCV: from Vendor - Vacuum Equipment	0		12/26/06																																																												
LN04050115	Prep for, Clean & Plate Vacuum Equipment	60	12/27/06	03/23/07																																																												





Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.03.04.05 Linac to Undulator (LTU) Vacuum System</b>					AVAIL: LTU Vac Chamber Supports Ready for Instl																																																											
LN04050220	AVAIL: LTU Vac Chamber Supports Ready for Instl	0		12/28/06	AVAIL: LTU Vac Chamber Supports Ready for Instl																																																											
LN04050120	Vacuum Chamber Welding	70	01/26/07	05/04/07	Vacuum Chamber Welding																																																											
LN04050125	Process Vacuum Chamber	70	02/26/07	06/04/07	Process Vacuum Chamber																																																											
LN04050130	Perform QC and Inspection	6	06/05/07	06/12/07	Perform QC and Inspection																																																											
LN04050135	Prep for & Deliver to "Pre-Install Qual Test"	1	06/13/07	06/13/07	Prep for & Deliver to "Pre-Install Qual Test"																																																											
LN04050140	Perform Pre-Installation Qual Test	5	06/14/07	06/20/07	Perform Pre-Installation Qual Test																																																											
LN04050145	AVAIL: LTU Vac Chambers Ready for Install	0		06/20/07	AVAIL: LTU Vac Chambers Ready for Install																																																											
<b>1.03.04.06 Dumpline Vacuum System</b>																																																																
LN04060000	Define Dumpline Vac Sys Requirements	10	08/02/05	08/15/05	Define Dumpline Vac Sys Requirements																																																											
LN0406	LINAC DUMPLINE VACUUM CHAMBERS SUMMARY	389	08/02/05	02/16/07	LINAC DUMPLINE VACUUM CHAMBERS SUMMARY																																																											
LN04060003	Create ICD & Update LCLS Database	2	08/16/05	08/17/05	Create ICD & Update LCLS Database																																																											
LN04060007	Review & Accept Requirements, ICD & DB Entries	1	08/18/05	08/18/05	Review & Accept Requirements, ICD & DB Entries																																																											
LN04060013	Define Requirements LTU Vac Sys Supports	10	08/19/05	09/01/05	Define Requirements LTU Vac Sys Supports																																																											
LN04060010	Develop Preliminary Vacuum System Design	50	08/19/05	10/28/05	Develop Preliminary Vacuum System Design																																																											
LN04060017	Develop Prelim Design LTU Vacuum Sys Supports	50	09/02/05	11/11/05	Develop Prelim Design LTU Vacuum Sys Supports																																																											
LN04060020	Conduct Prelim Design Review (PDR) - D/L Vac Sys	2	10/31/05	11/01/05	Conduct Prelim Design Review (PDR) - D/L Vac Sys																																																											
LN04060025	Develop Final Design	50	11/02/05	01/17/06	Develop Final Design																																																											
LN04060030	Conduct Final Design Review (FDR) - D/L Vac Sys	2	01/18/06	01/19/06	Conduct Final Design Review (FDR) - D/L Vac Sys																																																											
LN04060035	COMP: Dumpline Vacuum System Design	0		01/19/06	COMP: Dumpline Vacuum System Design																																																											
LN04060040	Develop Vacuum Post-Processing Plan	10	01/20/06	02/02/06	Develop Vacuum Post-Processing Plan																																																											
LN04060150	Prep Bid Pak - Vacuum Supports	15	01/20/06	02/09/06	Prep Bid Pak - Vacuum Supports																																																											
LN04060095	Procure Bellows Modules	60	01/20/06	04/14/06	Procure Bellows Modules																																																											
LN04060096	Procure CF Flanges	60	01/20/06	04/14/06	Procure CF Flanges																																																											
LN04060097	Procure CF Crosses	60	01/20/06	04/14/06	Procure CF Crosses																																																											
LN04060098	Procure VAT Valve	60	01/20/06	04/14/06	Procure VAT Valve																																																											
LN04060099	Procure Pump Out Valve	60	01/20/06	04/14/06	Procure Pump Out Valve																																																											

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.03.04.06 Dumpline Vacuum System</b>																																																																
LN04060101	Procure Cold Cathode Gauge	60	01/20/06	04/14/06																									■ Procure Cold Cathode Gauge																																			
LN04060102	Procure Pirani Gauge	60	01/20/06	04/14/06																									■ Procure Pirani Gauge																																			
LN04060103	Procure Gauge Pig Tail	60	01/20/06	04/14/06																									■ Procure Gauge Pig Tail																																			
LN04060104	Procure Ion Pump	60	01/20/06	04/14/06																									■ Procure Ion Pump																																			
LN04060106	Procure Ion Pump Pig Tail	60	01/20/06	04/14/06																									■ Procure Ion Pump Pig Tail																																			
LN04060107	Procure CF Copper Gasket	60	01/20/06	04/14/06																									■ Procure CF Copper Gasket																																			
LN04060108	Procure CF Bolt Set	60	01/20/06	04/14/06																									■ Procure CF Bolt Set																																			
LN04060109	Procure 304 Tubing	60	01/20/06	04/14/06																									■ Procure 304 Tubing																																			
LN04060045	Prep Bid Pak - Dumpline Vacuum System	15	02/03/06	02/24/06																									■ Prep Bid Pak - Dumpline Vacuum System																																			
LN04060155	RELEASE: RFP - Dumpline Vacuum Supports	0		02/09/06																									◆ RELEASE: RFP - Dumpline Vacuum Supports																																			
LN04060160	Vendors Prep Proposals - Dumpline Vac System	20	02/10/06	03/10/06																									■ Vendors Prep Proposals - Dumpline Vac System																																			
LN04060050	RELEASE: RFP - Dumpline Vacuum Chambers	0		02/24/06																									◆ RELEASE: RFP - Dumpline Vacuum Chambers																																			
LN04060055	Vendors Prep Proposals - Dumpline Vac System	15	02/27/06	03/17/06																									■ Vendors Prep Proposals - Dumpline Vac System																																			
LN04060165	RCV: Proposals from Vendors -Dumpline Vac System	0		03/10/06																									◆ RCV: Proposals from Vendors -Dumpline Vac System																																			
LN04060170	Evaluate Vendor Proposals - UHV Components	15	03/13/06	03/31/06																									■ Evaluate Vendor Proposals - UHV Components																																			
LN04060060	RCV: Proposals from Vendors -	0		03/17/06																									◆ RCV: Proposals from Vendors -																																			
LN04060065	Evaluate Vendor Proposals	15	03/20/06	04/07/06																									■ Evaluate Vendor Proposals																																			
LN04060175	AWARD: Contract for Dumpline Vac Chamber Supt	1	04/03/06	04/03/06																									AWARD: Contract for Dumpline Vac Chamber Supt																																			
LN04060180	Fabricate 1st Lot	40	04/04/06	05/30/06																									■ Fabricate 1st Lot																																			
LN04060070	AWARD: Contract for Linac Dumpline Vac Chamber	1	04/10/06	04/10/06																									AWARD: Contract for Linac Dumpline Vac Chamber																																			
LN04060075	Fabricate 1st Lot	40	04/11/06	06/06/06																									■ Fabricate 1st Lot																																			
LN04060105	Fab Vacuum Chamber	80	04/17/06	08/08/06																									■ Fab Vacuum Chamber																																			
LN04060110	Vacuum Chamber QA Fabrication	100	05/15/06	10/04/06																									■ Vacuum Chamber QA Fabrication																																			
LN04060185	RCV: 1st Lot Vac Equipment from Vendor	0		05/30/06																									◆ RCV: 1st Lot Vac Equipment from Vendor																																			
LN04060195	RCV: Remaining Lot from Vendor (as req'd)	0		05/30/06																									◆ RCV: Remaining Lot from Vendor (as req'd)																																			
LN04060190	Fabricate Remaining Lot (as required)	0	05/31/06	05/30/06																									■ Fabricate Remaining Lot (as required)																																			

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.03.04.06 Dumpline Vacuum System</b>																																																																
LN04060200	Procure Misc Materials - Vacuum Supports	20	05/31/06	06/27/06																																																	■ Procure Misc Materials - Vacuum Supports											
LN04060080	RCV: 1st Lot Vac Equipment from Vendor	0		06/06/06																																																	◆ RCV: 1st Lot Vac Equipment from Vendor											
LN04060090	RCV: Remaining Lot from Vendor (as req'd)	0		06/06/06																																																	◆ RCV: Remaining Lot from Vendor (as req'd)											
LN04060085	Fabricate Remaining Lot (as required)	0	06/07/06	06/06/06																																																	▮ Fabricate Remaining Lot (as required)											
LN04060115	Clean & Plate Vacuum Equipment	100	06/13/06	11/01/06																																																	■ Clean & Plate Vacuum Equipment											
LN04060205	Fab Vacuum Support	100	06/28/06	11/16/06																																																	■ Fab Vacuum Support											
LN04060210	Assemble DL Vacuum Supports	80	08/24/06	12/18/06																																																	■ Assemble DL Vacuum Supports											
LN04060120	Vacuum Chamber Welding	80	09/07/06	01/02/07																																																	■ Vacuum Chamber Welding											
LN04060125	Process Vacuum Chamber	80	10/05/06	01/31/07																																																	■ Process Vacuum Chamber											
LN04060215	AVAIL: DL Vac Chamber Supports Ready for Instl	0		12/18/06																																																	AVAIL: DL Vac Chamber Supports Ready for Ins◆											
LN04060130	Perform QC and Inspection	6	02/01/07	02/08/07																																																	▮ Perform QC and Inspection											
LN04060135	Prep for & Deliver to "Pre-Install Qual Test"	1	02/09/07	02/09/07																																																	Prep for & Deliver to "Pre-Install Qual Test"											
LN04060140	Perform Pre-Installation Qual Test	5	02/12/07	02/16/07																																																	Perform Pre-Installation Qual Test											
LN04060145	AVAIL: DL Vac Chambers Ready for Install	0		02/16/07																																																	AVAIL: DL Vac Chambers Ready for Insta◆											
<b>1.03.05 Linac Electron Diagnostics Summary</b>																																																																
LN05	LINAC ELECTRON DIAGNOSTICS SUMMARY	765	05/03/04A	05/16/07																																																	■ LINAC ELECTRON DIAGN											
<b>1.03.05.01 Wire Scanners (11) Summary</b>																																																																
LN05010005	Review & Accept Requirements	1	12/15/04	12/15/04																																																	▮ Review & Accept Requirements											
LN0501	WIRE SCANNERS (11) SUMMARY	398	12/15/04	07/17/06																																																	■ WIRE SCANNERS (11) SUMMARY											
LN05010010	Write ICD - Wire Scanner	4	12/16/04	12/21/04																																																	▮ Write ICD - Wire Scanner											
LN05010015	Collect Area Specific Requirements	4	12/22/04	12/29/04																																																	▮ Collect Area Specific Requirements											
LN05010020	Evaluate Existing Design Documentation	6	12/30/04	01/07/05																																																	▮ Evaluate Existing Design Documentation											
LN05010025	Produce Common Layout	20	01/10/05	02/07/05																																																	■ Produce Common Layout											
LN05010030	Develop General Specifications / Analysis	4	02/08/05	02/11/05																																																	▮ Develop General Specifications / Analysis											
LN05010230	Define Diagnostics Support Requirements	1	02/14/05	02/14/05																																																	▮ Define Diagnostics Support Requirements											
LN05010035	Create / Remodel / Revise Dsn Documentation	15	02/14/05	03/07/05																																																	■ Create / Remodel / Revise Dsn Documentation											

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.03.05.01 Wire Scanners (11) Summary</b>																																																																
LN05010235	Create ICD & Update LCLS Database	1	02/15/05	02/15/05																																																												
LN05010240	Develop Preliminary Design - Diagnostic Supports	5	02/16/05	02/23/05																																																												
LN05010250	Conduct Preliminary Design Review (PDR)	1	02/24/05	02/24/05																																																												
LN05010260	Develop Final Design - Diagnostics Supports	5	02/25/05	03/03/05																																																												
LN05010270	Conduct Final Design Review (FDR)	1	03/04/05	03/04/05																																																												
LN05010280	COMP: Wire Scanner Supports Design	0		03/04/05																																																												
LN05010285	Prep Bid Pak - Diagnostics Supports	1	03/07/05	03/07/05																																																												
LN05010295	RELEASE: RFP - Diagnostics Supports	0		03/07/05																																																												
LN05010040	Make Simplified Models	2	03/08/05	03/09/05																																																												
LN05010300	Vendors Prep Proposals - Supports	20	03/08/05	04/04/05																																																												
LN05010045	Release Final Model To Server	1	03/10/05	03/10/05																																																												
LN05010050	Update Component Data Base	2	03/11/05	03/14/05																																																												
LN05010055	Write Component Traveler	50	03/15/05	05/23/05																																																												
LN05010305	RCV: Proposals from Vendors - Supports	0		04/04/05																																																												
LN05010310	Evaluate Vendor Proposals - Supports	2	04/05/05	04/06/05																																																												
LN05010060	Prepare for PDR - Wire Scanners	3	05/24/05	05/26/05																																																												
LN05010065	Conduct Wire Scanners PDR	1	05/27/05	05/27/05																																																												
LN05010070	Generate Detailed Procurement Plan	1	05/31/05	05/31/05																																																												
LN05010075	Establish Subordinate Work Orders	1	06/01/05	06/01/05																																																												
LN05010080	Prepare for FDR - Wire Scanners	3	06/02/05	06/06/05																																																												
LN05010085	Conduct Wire Scanners FDR	1	06/07/05	06/07/05																																																												
LN05010090	COMP: Wire Scanner Design	0		06/07/05																																																												
LN05010100	Prep Bid Pak - Wire Scanner	1	10/03/05	10/03/05																																																												
LN05010110	RELEASE: RFP - Wire Scanners	0		10/03/05																																																												
LN05010315	AWARD: Contract for Supports	1	10/03/05	10/03/05																																																												
LN05010340	Procure Misc Materials - Diagnostics Supports	40	10/03/05	11/29/05																																																												

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04		FY05		FY06		FY07		FY08	
<b>1.03.05.01 Wire Scanners (11) Summary</b>														
LN05010155	Procure Misc Materials - Wire Scanners	120	10/03/05	03/27/06										
LN05010115	Vendors Prep Proposals - Wire Scanners	20	10/04/05	10/31/05										
LN05010320	Vendor Fab 1st Lot - Supports	80	10/04/05	01/30/06										
LN05010120	RCV: Proposals from Vendors	0		10/31/05										
LN05010125	Evaluate Vendor Proposals	5	11/01/05	11/07/05										
LN05010130	AWARD: Contract - Wire Scanner	1	11/08/05	11/08/05										
LN05010135	Vendor Fab 1st Lot	80	11/09/05	03/08/06										
LN05010345	Fabricate Diagnostics Supports (as required)	0	11/30/05	11/29/05										
LN05010350	Prep for, Clean & Plate Supports	0	11/30/05	11/29/05										
LN05010355	Prep for and Paint Diag Supports (as required)	0	11/30/05	11/29/05										
LN05010160	Component Fab & Assembly - Wire Scanners	80	12/29/05	04/24/06										
LN05010325	RCV: 1st Lot Diagnostics Supports from Vendor	0		01/30/06										
LN05010330	Vendor Fab Remaining Lot - Supports	80	01/31/06	05/23/06										
LN05010140	RCV: 1st Lot Diagnostics Equip from Vendor	0		03/08/06										
LN05010145	Vendor Fab Remaining Lot	80	03/09/06	06/29/06										
LN05010335	RCV: Remaining Supports from Vendor	0		05/23/06										
LN05010360	Perform QC & Inspection - Diagnostic Supports	4	05/24/06	05/30/06										
LN05010365	Assemble Supports	5	05/31/06	06/06/06										
LN05010375	Perform Pre-Installation Qualification - Support	2	06/07/06	06/08/06										
LN05010380	AVAIL: Supports Ready for Instl	0		06/08/06										
LN05010150	RCV: Remaining from Vendor	0		06/29/06										
LN05010175	Perform QC / Metrology	4	06/30/06	07/06/06										
LN05010180	Perform Functional Testing - Wire Scanners	2	07/07/06	07/10/06										
LN05010185	Collect Component Performance Data	5	07/11/06	07/17/06										
LN05010190	Load Component Data Base	5	07/11/06	07/17/06										
LN05010195	Post Process & Test	5	07/11/06	07/17/06										

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04		FY05		FY06		FY07		FY08	
<b>1.03.05.01 Wire Scanners (11) Summary</b>														
LN05010200	AVAIL: Wire Scanners Ready for L01 Install	0		07/17/06										◆ AVAIL: Wire Scanners Ready for L01 Ins
LN05010205	AVAIL: Wire Scanners Ready for BC1 Install	0		07/17/06										◆ AVAIL: Wire Scanners Ready for BC1 Ins
LN05010210	AVAIL: Wire Scanners Ready for L02 Install	0		07/17/06										◆ AVAIL: Wire Scanners Ready for L02 Ins
LN05010215	AVAIL: Wire Scanners Ready for BC2 Install	0		07/17/06										◆ AVAIL: Wire Scanners Ready for BC2 Ins
LN05010220	AVAIL: Wire Scanners Ready for L03 Install	0		07/17/06										◆ AVAIL: Wire Scanners Ready for L03 Ins
LN05010225	AVAIL: Wire Scanners Ready for LTU Install	0		07/17/06										◆ AVAIL: Wire Scanners Ready for LTU Ins
<b>1.03.05.02 Beam Position Monitors</b>														
<b>1.03.05.02.01 BPM - Standard Linac (4) Summary</b>														
LN05020100	Receive BPM Requirements	5	01/03/05	01/07/05										Receive BPM Requirements
LN050201	BPM - STANDARD LINAC (4) SUMMARY	359	01/03/05	06/05/06										 BPM - STANDARD LINAC (4) SUMMARY
LN05020102	Review & Accept Requirements	5	01/10/05	01/14/05										Review & Accept Requirements
LN05020104	Write ICD - Beam Path Monitor	5	01/18/05	01/24/05										Write ICD - Beam Path Monitor
LN05020106	Collect Area Specific Requirements	5	01/25/05	01/31/05										Collect Area Specific Requirements
LN05020108	Evaluate Existing Design Documentation	5	02/01/05	02/07/05										Evaluate Existing Design Documentation
LN05020110	Produce Common Layout	5	02/08/05	02/14/05										Produce Common Layout
LN05020112	Develop General Specifications / Analysis	3	02/15/05	02/17/05										Develop General Specifications / Analysis
LN05020114	Create / Remodel / Revise Dsn Documentation	30	02/18/05	04/01/05										 Create / Remodel / Revise Dsn Documentation
LN05020116	Make Simplified Models	3	04/04/05	04/06/05										Make Simplified Models
LN05020118	Release Final Model To Server	5	04/07/05	04/13/05										Release Final Model To Server
LN05020120	Update Component Data Base	2	04/14/05	04/15/05										Update Component Data Base
LN05020122	Write Component Traveler	5	04/18/05	04/22/05										Write Component Traveler
LN05020124	Prepare for PDR - BPMs	3	04/25/05	04/27/05										Prepare for PDR - BPMs
LN05020126	Conduct Prelim Design Review (PDR) - BPMs	1	04/28/05	04/28/05										Conduct Prelim Design Review (PDR) - BPMs
LN05020128	Generate Detailed Procurement Plan	1	04/29/05	04/29/05										Generate Detailed Procurement Plan
LN05020130	Establish Subordinate Work Orders	1	05/02/05	05/02/05										Establish Subordinate Work Orders
LN05020132	Prepare for FDR - BPMs	3	05/03/05	05/05/05										Prepare for FDR - BPMs

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.03.05.02.01 BPM - Standard Linac (4) Summary</b>																																																																
LN05020134	Conduct Final Design Review (FDR) - BPMs	1	05/06/05	05/06/05																																																												
LN05020136	COMP: BPM Design - Standard	0		05/06/05																																																												
LN05020138	RCV: Component Fabrication Approval	0		05/06/05																																																												
LN05020140	Procure Component Material - BPMs	100	10/03/05	02/27/06																																																												
LN05020142	Component Fab & Assembly - BPMs	120	11/30/05	05/22/06																																																												
LN05020144	Perform QC / Metrology	2	05/23/06	05/24/06																																																												
LN05020146	Perform Functional Testing - BPMs	2	05/25/06	05/26/06																																																												
LN05020150	Collect Component Performance Data	5	05/30/06	06/05/06																																																												
LN05020152	Load Component Data Base	5	05/30/06	06/05/06																																																												
LN05020154	Post Process & Test	5	05/30/06	06/05/06																																																												
LN05020156	AVAIL: BPMs Ready for BC1 Install	0		06/05/06																																																												
LN05020158	AVAIL: BPMs Ready for L01 Install	0		06/05/06																																																												
<b>1.03.05.02.02 BPM - RF (10) Summary</b>																																																																
LN05020200	Receive RF BPM Requirements	5	05/09/05	05/13/05																																																												
LN050202	BPM - RF (10) SUMMARY	353	05/09/05	09/29/06																																																												
LN05020202	Review & Accept Requirements	5	05/16/05	05/20/05																																																												
LN05020204	Write ICD - Beam Path Monitor	5	05/23/05	05/27/05																																																												
LN05020206	Collect Area Specific Requirements	5	05/31/05	06/06/05																																																												
LN05020208	Evaluate Existing Design Documentation	5	06/07/05	06/13/05																																																												
LN05020210	Produce Common Layout	5	06/14/05	06/20/05																																																												
LN05020212	Develop General Specifications / Analysis	3	06/21/05	06/23/05																																																												
LN05020214	Create / Remodel / Revise Dsn Documentation	31	06/24/05	08/08/05																																																												
LN05020216	Make Simplified Models	3	08/09/05	08/11/05																																																												
LN05020218	Release Final Model To Server	5	08/12/05	08/18/05																																																												
LN05020220	Update Component Data Base	2	08/19/05	08/22/05																																																												
LN05020222	Write Component Traveler	5	08/23/05	08/29/05																																																												

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.03.05.02.02 BPM - RF (10) Summary</b>																																																																
LN05020224	Prepare for PDR - RF BPMs	3	08/30/05	09/01/05																																																												
LN05020226	Conduct RF BPMs PDR	1	09/02/05	09/02/05																																																												
LN05020228	Generate Detailed Procurement Plan	1	09/06/05	09/06/05																																																												
LN05020230	Establish Subordinate Work Orders	1	09/07/05	09/07/05																																																												
LN05020232	Prepare for FDR - RF BPMs	3	09/08/05	09/12/05																																																												
LN05020234	Conduct RF BPMs FDR	1	09/13/05	09/13/05																																																												
LN05020236	COMP: BPM Design - RF	0		09/13/05																																																												
LN05020258	Define Diagnostics Support Requirements	4	09/14/05	09/19/05																																																												
LN05020260	Create ICD & Update LCLS Database	4	09/20/05	09/23/05																																																												
LN05020262	Develop Preliminary Design - Diagnostic Supports	10	09/26/05	10/07/05																																																												
LN05020264	Conduct Preliminary Design Review (PDR)	2	10/10/05	10/11/05																																																												
LN05020266	Develop Final Design - Diagnostics Supports	10	10/12/05	10/25/05																																																												
LN05020268	Conduct Final Design Review (FDR)	2	10/26/05	10/27/05																																																												
LN05020270	COMP: BPM Support Design - RF	0		10/27/05																																																												
LN05020272	Prep Bid Pak - Diagnostics Supports	1	10/28/05	10/28/05																																																												
LN05020274	RELEASE: RFP - Diagnostics Supports	0		10/28/05																																																												
LN05020276	Vendors Prep Proposals - Supports	20	10/31/05	11/29/05																																																												
LN05020278	RCV: Proposals from Vendors - Supports	0		11/29/05																																																												
LN05020280	Evaluate Vendor Proposals - Supports	4	11/30/05	12/05/05																																																												
LN05020282	AWARD: Contract for Supports	1	03/28/06	03/28/06																																																												
LN05020288	Procure Misc Materials - Diagnostics Supports	20	03/28/06	04/24/06																																																												
LN05020240	Procure Component Material - RF BPMs	60	03/28/06	06/20/06																																																												
LN05020284	Vendor Fab 1st Lot - Supports	20	03/29/06	04/25/06																																																												
LN05020290	Fabricate Diagnostics Supports (as required)	0	04/25/06	04/24/06																																																												
LN05020292	Prep for, Clean & Plate Supports	0	04/25/06	04/24/06																																																												
LN05020294	Prep for and Paint Diag Supports (as required)	0	04/25/06	04/24/06																																																												



Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.03.05.02.02 BPM - RF (10) Summary</b>																																																																
LN05020286	RCV: 1st Lot Diagnostics Supports from Vendor	0		04/25/06																																																	◆ RCV: 1st Lot Diagnostics Supports from Vendor											
LN05020296	Perform QC & Inspection - Diagnostic Supports	2	04/26/06	04/27/06																																																	Perform QC & Inspection - Diagnostic Supports											
LN05020297	Assemble Supports	4	04/28/06	05/03/06																																																	Assemble Supports											
LN05020298	Perform Pre-Installation Qualification - Support	1	05/04/06	05/04/06																																																	Perform Pre-Installation Qualification - Support											
LN05020299	AVAIL: Supports Ready for L03, LTU Instl	0		05/04/06																																																	◆ AVAIL: Supports Ready for L03, LTU Instl											
LN05020242	Component Fab & Assembly - RF BPMs	80	05/23/06	09/14/06	Component Fab & Assembly - RF BPMs																																																											
LN05020244	Perform QC / Metrology	4	09/15/06	09/20/06																																																	Perform QC / Metrology											
LN05020246	Perform Functional Testing - RF BPMs	2	09/21/06	09/22/06																																																	Perform Functional Testing - RF BPMs											
LN05020248	Collect Component Performance Data	5	09/25/06	09/29/06																																																	Collect Component Performance Data											
LN05020250	Load Component Data Base	5	09/25/06	09/29/06																																																	Load Component Data Base											
LN05020252	Post Process & Test	5	09/25/06	09/29/06																																																	Post Process & Test											
LN05020254	AVAIL: RF BPMs Ready for L03 Install	0		09/29/06													AVAIL: RF BPMs Ready for L03 Install																																															
LN05020256	AVAIL: RF BPMs Ready for LTU Install	0		09/29/06													AVAIL: RF BPMs Ready for LTU Install																																															
<b>1.03.05.02.03 BPM - FFTB (12) Summary</b>																																																																
LN05020300	Receive BPM Requirements	1	09/14/05	09/14/05																																																	Receive BPM Requirements											
LN050203	BPM - FFTB (9) SUMMARY	151	09/14/05	04/20/06													BPM - FFTB (9) SUMMARY																																															
LN05020302	Review & Accept Requirements	2	09/15/05	09/16/05																																																	Review & Accept Requirements											
LN05020304	Write ICD - Beam Path Monitor	2	09/19/05	09/20/05																																																	Write ICD - Beam Path Monitor											
LN05020306	Collect Area Specific Requirements	2	09/21/05	09/22/05																																																	Collect Area Specific Requirements											
LN05020308	Evaluate Existing Design Documentation	4	09/23/05	09/28/05																																																	Evaluate Existing Design Documentation											
LN05020310	Produce Common Layout	3	09/29/05	10/03/05																																																	Produce Common Layout											
LN05020312	Develop General Specifications / Analysis	2	10/04/05	10/05/05																																																	Develop General Specifications / Analysis											
LN05020314	Create / Remodel / Revise Dsn Documentation	20	10/06/05	11/02/05																																																	Create / Remodel / Revise Dsn Documentation											
LN05020316	Make Simplified Models	2	11/03/05	11/04/05																																																	Make Simplified Models											
LN05020318	Release Final Model To Server	1	11/07/05	11/07/05																																																	Release Final Model To Server											
LN05020320	Update Component Data Base	1	11/08/05	11/08/05																																																	Update Component Data Base											

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.03.05.02.03 BPM - FFTB (12) Summary</b>																																																																
LN05020322	Write Component Traveler	4	11/09/05	11/14/05																																																	Write Component Traveler											
LN05020324	Prepare for PDR - BPMs	1	11/15/05	11/15/05																																																	Prepare for PDR - BPMs											
LN05020326	Conduct Prelim Design Review (PDR) - FFTB BPMs	1	11/16/05	11/16/05																																																	Conduct Prelim Design Review (PDR) - FFTB BPMs											
LN05020328	Generate Detailed Procurement Plan	1	11/17/05	11/17/05																																																	Generate Detailed Procurement Plan											
LN05020330	Establish Subordinate Work Orders	1	11/18/05	11/18/05																																																	Establish Subordinate Work Orders											
LN05020332	Prepare for FDR - BPMs	3	11/21/05	11/23/05																																																	Prepare for FDR - BPMs											
LN05020334	Conduct Final Design Review (FDR) - FFTB BPMs	1	11/28/05	11/28/05																																																	Conduct Final Design Review (FDR) - FFTB BPMs											
LN05020336	COMP: BPM Design - FFTB	0		11/28/05																																																	COMP: BPM Design - FFTB											
LN05020340	Procure Component Material - BPMs	40	11/29/05	01/26/06																																																	Procure Component Material - BPMs											
LN05020342	Component Fab & Assembly - BPMs	40	01/27/06	03/24/06																																																	Component Fab & Assembly - BPMs											
LN05020344	Perform QC / Metrology	5	03/27/06	03/31/06																																																	Perform QC / Metrology											
LN05020346	Perform Functional Testing - BPMs	4	04/03/06	04/06/06																																																	Perform Functional Testing - BPMs											
LN05020348	Collect Component Performance Data	2	04/07/06	04/10/06																																																	Collect Component Performance Data											
LN05020350	Load Component Data Base	2	04/07/06	04/10/06																																																	Load Component Data Base											
LN05020352	Post Process & Test	10	04/07/06	04/20/06																																																	Post Process & Test											
LN05020354	AVAIL: FFTB BPMs Ready for Install	0		04/20/06																																																	AVAIL: FFTB BPMs Ready for Install											
<b>1.03.05.02.04 BPM - Large Aperture (2) Summary</b>																																																																
LN05020400	Receive BPM Requirements	1	06/01/04A	06/01/04A	Receive BPM Requirements																																																											
LN050204	BPM - LARGE APERTURE (2) SUMMARY	513	06/01/04A	06/14/06													BPM - LARGE APERTURE (2) SUMMARY																																															
LN05020402	Review & Accept Requirements	2	06/02/04A	06/03/04A	Review & Accept Requirements																																																											
LN05020406	Collect Area Specific Requirements	2	06/07/04A	06/08/04A	Collect Area Specific Requirements																																																											
LN05020410	Evaluate Existing Design Documentation	4	06/09/04A	06/30/04A	Evaluate Existing Design Documentation																																																											
LN05020414	Produce Common Layout	33*	06/15/04A	07/30/04	Produce Common Layout																																																											
LN05020416	Develop General Specifications / Analysis	33*	06/15/04A	07/30/04	Develop General Specifications / Analysis																																																											
LN05020404	Write ICD - Beam Path Monitor	30	07/30/04*	09/10/04	Write ICD - Beam Path Monitor																																																											
LN05020418	Create / Remodel / Revise Dsn Documentation	10	08/02/04	08/13/04	Create / Remodel / Revise Dsn Documentation																																																											

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.03.05.02.04 BPM - Large Aperture (2) Summary</b>																																																																
LN05020420	Make Simplified Models	1	08/16/04	08/16/04																																																												
LN05020422	Release Final Model To Server	2	08/17/04	08/18/04																																																												
LN05020424	Update Component Data Base	2	08/19/04	08/20/04																																																												
LN05020426	Write Component Traveler	4	08/23/04	08/26/04																																																												
LN05020428	Prepare for PDR - BPMs	1	08/27/04	08/27/04																																																												
LN05020432	Conduct BPMs PDR	1	08/30/04	08/30/04																																																												
LN05020436	Generate Detailed Procurement Plan	1	08/31/04	08/31/04																																																												
LN05020438	Establish Subordinate Work Orders	1	09/01/04	09/01/04																																																												
LN05020440	Prepare for FDR - BPMs	1	09/02/04	09/02/04																																																												
LN05020444	Conduct BPMs FDR	1	09/03/04	09/03/04																																																												
LN05020448	COMP: BPM Design - BC1	0		01/07/05																																																												
LN05020452	Procure Component Material - BPMs	40	10/03/05	11/29/05																																																												
LN05020454	Component Fab & Assembly - BPMs	120	11/30/05	05/22/06																																																												
LN05020462	Perform QC / Metrology	4	05/23/06	05/26/06																																																												
LN05020464	Perform Functional Testing - BPMs	4	05/30/06	06/02/06																																																												
LN05020466	Collect Component Performance Data	2	06/05/06	06/06/06																																																												
LN05020468	Load Component Data Base	2	06/07/06	06/08/06																																																												
LN05020470	Post Process & Test	4	06/09/06	06/14/06																																																												
LN05020472	AVAIL: High Resolution BC1 BPM Ready for Install	0		06/14/06																																																												
<b>1.03.05.03 Toroid Beam Current Monitor (10) Summary</b>																																																																
LN05030000	Receive Toroid Requirements	5	12/15/04	12/21/04																																																												
LN0503	TOROID BEAM CURRENT MONITOR (10) SUMMARY	287	12/15/04	02/07/06																																																												
LN05030005	Review & Accept Requirements	5	12/22/04	12/30/04																																																												
LN05030010	Write ICD - Toroid	5	01/03/05	01/07/05																																																												
LN05030015	Collect Area Specific Requirements	30	01/10/05	02/22/05																																																												
LN05030020	Evaluate Existing Design Documentation	5	02/23/05	03/01/05																																																												

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.03.05.03 Toroid Beam Current Monitor (10) Summary</b>																																																																
LN05030025	Produce Common Layout	5	03/02/05	03/08/05																																																												
LN05030030	Develop General Specifications / Analysis	3	03/09/05	03/11/05																																																												
LN05030035	Create / Remodel / Revise Dsn Documentation	38	03/14/05	05/04/05																																																												
LN05030040	Make Simplified Models	3	05/05/05	05/09/05																																																												
LN05030145	Define Diagnostics Support Requirements	4	05/05/05	05/10/05																																																												
LN05030045	Release Final Model To Server	16	05/10/05	06/01/05																																																												
LN05030150	Create ICD & Update LCLS Database	4	05/11/05	05/16/05																																																												
LN05030155	Develop Preliminary Design - Diagnostic Supports	10	05/17/05	05/31/05																																																												
LN05030165	Conduct Preliminary Design Review (PDR)	2	06/01/05	06/02/05																																																												
LN05030050	Update Component Data Base	2	06/02/05	06/03/05																																																												
LN05030175	Develop Final Design - Diagnostics Supports	10	06/03/05	06/16/05																																																												
LN05030055	Write Component Traveler	50	06/06/05	08/15/05																																																												
LN05030185	Conduct Final Design Review (FDR)	2	06/17/05	06/20/05																																																												
LN05030195	COMP: Toroid Supports Design	0		06/20/05																																																												
LN05030200	Prep Bid Pak - Diagnostics Supports	1	06/21/05	06/21/05																																																												
LN05030210	RELEASE: RFP - Diagnostics Supports	0		06/21/05																																																												
LN05030215	Vendors Prep Proposals - Supports	20	06/22/05	07/20/05																																																												
LN05030220	RCV: Proposals from Vendors - Supports	0		07/20/05																																																												
LN05030225	Evaluate Vendor Proposals - Supports	4	07/21/05	07/26/05																																																												
LN05030060	Prepare for PDR - Toroids	3	08/16/05	08/18/05																																																												
LN05030065	Conduct Toroids PDR	1	08/19/05	08/19/05																																																												
LN05030070	Generate Detailed Procurement Plan	1	08/22/05	08/22/05																																																												
LN05030075	Establish Subordinate Work Orders	1	08/23/05	08/23/05																																																												
LN05030080	Prepare for FDR - Toroids	3	08/24/05	08/26/05																																																												
LN05030085	Conduct Toroids FDR	1	08/29/05	08/29/05																																																												
LN05030090	COMP: Toroid Design	0		08/29/05																																																												

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.03.05.03 Toroid Beam Current Monitor (10) Summary</b>																																																																
LN05030230	AWARD: Contract for Supports	1	10/03/05	10/03/05																									AWARD: Contract for Supports																																			
LN05030255	Procure Misc Materials - Diagnostics Supports	20	10/03/05	10/28/05																									█ Procure Misc Materials - Diagnostics Supports																																			
LN05030100	Procure Component Material - Toroids	60	10/03/05	12/28/05																									█ Procure Component Material - Toroids																																			
LN05030105	Component Fab & Assembly - Toroids	80	10/03/05	01/27/06																									█ Component Fab & Assembly - Toroids																																			
LN05030235	Vendor Fab 1st Lot - Supports	20	10/04/05	10/31/05																									█ Vendor Fab 1st Lot - Supports																																			
LN05030260	Fabricate Diagnostics Supports (as required)	0	10/31/05	10/28/05																									Fabricate Diagnostics Supports (as required)																																			
LN05030265	Prep for, Clean & Plate Supports	0	10/31/05	10/28/05																									Prep for, Clean & Plate Supports																																			
LN05030270	Prep for and Paint Diag Supports (as required)	0	10/31/05	10/28/05																									Prep for and Paint Diag Supports (as required)																																			
LN05030240	RCV: 1st Lot Diagnostics Supports from Vendor	0		10/31/05																									◆ RCV: 1st Lot Diagnostics Supports from Vendor																																			
LN05030250	RCV: Remaining Supports from Vendor	0		10/31/05																									◆ RCV: Remaining Supports from Vendor																																			
LN05030245	Vendor Fab Remaining Lot - Supports	0	11/01/05	10/31/05																									Vendor Fab Remaining Lot - Supports																																			
LN05030275	Perform QC & Inspection - Diagnostic Supports	2	11/01/05	11/02/05																									Perform QC & Inspection - Diagnostic Supports																																			
LN05030280	Assemble Supports	10	11/03/05	11/16/05																									█ Assemble Supports																																			
LN05030290	Perform Pre-Installation Qualification - Support	4	11/17/05	11/22/05																									Perform Pre-Installation Qualification - Support																																			
LN05030295	AVAIL: Supports Ready for BC1, BC2, LTU Instl	0		11/22/05																									◆ AVAIL: Supports Ready for BC1, BC2, LTU Instl																																			
LN05030110	Perform QC / Metrology	0	01/30/06	01/27/06																									Perform QC / Metrology																																			
LN05030115	Perform Functional Testing - Toroids	2	01/30/06	01/31/06																									Perform Functional Testing - Toroids																																			
LN05030120	Collect Component Performance Data	5	02/01/06	02/07/06																									█ Collect Component Performance Data																																			
LN05030125	Load Component Data Base	5	02/01/06	02/07/06																									█ Load Component Data Base																																			
LN05030130	Post Process & Test	5	02/01/06	02/07/06																									█ Post Process & Test																																			
LN05030141	AVAIL: Toroids Ready for BC1 Install	0		02/07/06																									◆ AVAIL: Toroids Ready for BC1 Install																																			
LN05030142	AVAIL: Toroids Ready for BC2 Install	0		02/07/06																									◆ AVAIL: Toroids Ready for BC2 Install																																			
LN05030143	AVAIL: Toroids Ready for LTU Install	0		02/07/06																									◆ AVAIL: Toroids Ready for LTU Install																																			
<b>1.03.05.04 Beam Stoppers (4) Summary</b>																																																																
LN05040000	Receive Stopper Requirements	1	10/03/05	10/03/05																									Receive Stopper Requirements																																			
LN0504	BEAM STOPPERS (4) SUMMARY	203	10/03/05	07/24/06																									█ BEAM STOPPERS (4) SUMMARY																																			



Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.03.05.04 Beam Stoppers (4) Summary</b>																																																																
LN05040250	Procure Misc Materials - Diagnostics Supports	20	12/30/05	01/30/06																									■ Procure Misc Materials - Diagnostics Supports																																			
LN05040210	Vendors Prep Proposals - Supports	20	01/03/06	01/31/06																									■ Vendors Prep Proposals - Supports																																			
LN05040100	Procure Component Material - Stoppers	100	01/03/06	05/24/06																									■ Procure Component Material - Stoppers																																			
LN05040255	Fabricate Diagnostics Supports (as required)	0	01/31/06	01/30/06																									■ Fabricate Diagnostics Supports (as required)																																			
LN05040260	Prep for, Clean & Plate Supports	0	01/31/06	01/30/06																									■ Prep for, Clean & Plate Supports																																			
LN05040265	Prep for and Paint Diag Supports (as required)	0	01/31/06	01/30/06																									■ Prep for and Paint Diag Supports (as required)																																			
LN05040215	RCV: Proposals from Vendors - Supports	0		01/31/06																									◆ RCV: Proposals from Vendors - Supports																																			
LN05040220	Evaluate Vendor Proposals - Supports	4	02/01/06	02/06/06																									■ Evaluate Vendor Proposals - Supports																																			
LN05040105	Component Fab & Assembly - Stoppers	100	02/01/06	06/22/06																									■ Component Fab & Assembly - Stoppers																																			
LN05040225	AWARD: Contract for Supports	1	02/07/06	02/07/06																									■ AWARD: Contract for Supports																																			
LN05040230	Vendor Fab 1st Lot - Supports	20	02/08/06	03/08/06																									■ Vendor Fab 1st Lot - Supports																																			
LN05040235	RCV: 1st Lot Diagnostics Supports from Vendor	0		03/08/06																									◆ RCV: 1st Lot Diagnostics Supports from Vendor																																			
LN05040245	RCV: Remaining Supports from Vendor	0		03/08/06																									◆ RCV: Remaining Supports from Vendor																																			
LN05040240	Vendor Fab Remaining Lot - Supports	0	03/09/06	03/08/06																									■ Vendor Fab Remaining Lot - Supports																																			
LN05040270	Perform QC & Inspection - Diagnostic Supports	2	03/09/06	03/10/06																									■ Perform QC & Inspection - Diagnostic Supports																																			
LN05040275	Assemble Supports	10	03/13/06	03/24/06																									■ Assemble Supports																																			
LN05040285	Perform Pre-Installation Qualification - Support	4	03/27/06	03/30/06																									■ Perform Pre-Installation Qualification - Support																																			
LN05040290	AVAIL: Supports Ready for Instl	0		03/30/06																									◆ AVAIL: Supports Ready for Instl																																			
LN05040110	Perform QC / Metrology	4	06/23/06	06/28/06																									■ Perform QC / Metrology																																			
LN05040115	Perform Functional Testing - Stoppers	2	06/29/06	06/30/06																									■ Perform Functional Testing - Stoppers																																			
LN05040120	Collect Component Performance Data	5	07/03/06	07/10/06																									■ Collect Component Performance Data																																			
LN05040125	Load Component Data Base	5	07/11/06	07/17/06																									■ Load Component Data Base																																			
LN05040130	Post Process & Test	5	07/18/06	07/24/06																									■ Post Process & Test																																			
LN05040135	AVAIL: Stoppers Ready for BC1 Install	0		07/24/06																									◆ AVAIL: Stoppers Ready for BC1 Install																																			
LN05040136	AVAIL: Stoppers Ready for BC2 Install	0		07/24/06																									◆ AVAIL: Stoppers Ready for BC2 Install																																			
LN05040137	AVAIL: Stoppers Ready for LTU Install	0		07/24/06																									◆ AVAIL: Stoppers Ready for LTU Install																																			

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.03.05.05 Profile Monitors (7 OTR-3 PHOSPHOR SCREEN-1 YAG)</b>																																																																
LN05050000	Receive Profile Monitor Requirements	5	06/01/04A	06/07/04A	Receive Profile Monitor Requirements																																																											
LN0505	PROFILE MONITORS (7 OTR/3 PHOS/1 YAG) SUMMARY	438	06/01/04A	02/28/06	PROFILE MONITORS (7 OTR/3 PHOS/1 YAG) SUMMARY																																																											
LN05050005	Review & Accept Requirements	5	06/08/04A	06/14/04A	Review & Accept Requirements																																																											
LN05050010	Write ICD - Profile Monitor	36*	06/15/04A	08/04/04	Write ICD - Profile Monitor																																																											
LN05050015	Collect Area Specific Requirements	13	06/22/04A	06/30/04A	Collect Area Specific Requirements																																																											
LN05050020	Evaluate Existing Design Documentation	5	06/01/04	06/07/04	Evaluate Existing Design Documentation																																																											
LN05050025	Produce Common Layout	2	06/08/04	06/09/04	Produce Common Layout																																																											
LN05050030	Develop General Specifications / Analysis	3	06/10/04	06/14/04	Develop General Specifications / Analysis																																																											
LN05050035	Create / Remodel / Revise Dsn Documentation	31	06/15/04	07/28/04	Create / Remodel / Revise Dsn Documentation																																																											
LN05050040	Design Phosphor Screen Option	10	07/29/04	08/11/04	Design Phosphor Screen Option																																																											
LN05050050	Design OTR Screen Options	10	08/12/04	08/25/04	Design OTR Screen Options																																																											
LN05050060	Make Simplified Models	3	08/26/04	08/30/04	Make Simplified Models																																																											
LN05050065	Release Final Model To Server	16	08/31/04	09/22/04	Release Final Model To Server																																																											
LN05050070	Update Component Data Base	2	09/23/04	09/24/04	Update Component Data Base																																																											
LN05050075	Write Component Traveler	50	09/27/04	12/07/04	Write Component Traveler																																																											
LN05050080	Prepare for PDR - Profile Monitors	3	12/08/04	12/10/04	Prepare for PDR - Profile Monitors																																																											
LN05050085	Conduct Profile Monitors PDR	1	12/13/04	12/13/04	Conduct Profile Monitors PDR																																																											
LN05050090	Generate Detailed Procurement Plan	1	12/14/04	12/14/04	Generate Detailed Procurement Plan																																																											
LN05050095	Establish Subordinate Work Orders	1	12/15/04	12/15/04	Establish Subordinate Work Orders																																																											
LN05050100	Prepare for FDR - Profile Monitors	3	12/16/04	12/20/04	Prepare for FDR - Profile Monitors																																																											
LN05050105	Conduct Profile Monitors FDR	1	12/21/04	12/21/04	Conduct Profile Monitors FDR																																																											
LN05050110	COMP: Profile Monitor Design	0		12/21/04	COMP: Profile Monitor Design																																																											
LN05050115	Prep Bid Pak - Profile Monitor	2	12/22/04	12/23/04	Prep Bid Pak - Profile Monitor																																																											
LN05050245	Define Diagnostics Support Requirements	2	12/22/04	12/23/04	Define Diagnostics Support Requirements																																																											
LN05050125	RELEASE: RFP - Profile Monitors	0		12/23/04	RELEASE: RFP - Profile Monitors																																																											
LN05050250	Create ICD & Update LCLS Database	2	12/28/04	12/29/04	Create ICD & Update LCLS Database																																																											



Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.03.05.05 Profile Monitors (7 OTR-3 PHOSPHOR SCREEN-1 YAG)</b>																																																																
LN05050130	Vendors Prep Proposals - Profile Monitors	20	12/28/04	01/26/05													■ Vendors Prep Proposals - Profile Monitors																																															
LN05050255	Develop Preliminary Design - Diagnostic Supports	10	12/30/04	01/13/05													■ Develop Preliminary Design - Diagnostic Supports																																															
LN05050265	Conduct Preliminary Design Review (PDR)	1	01/14/05	01/14/05													■ Conduct Preliminary Design Review (PDR)																																															
LN05050275	Develop Final Design - Diagnostics Supports	12	01/18/05	02/02/05													■ Develop Final Design - Diagnostics Supports																																															
LN05050135	RCV: Proposals from Vendors	0		01/26/05													◆ RCV: Proposals from Vendors																																															
LN05050140	Evaluate Vendor Proposals	4	01/27/05	02/01/05													■ Evaluate Vendor Proposals																																															
LN05050285	Conduct Final Design Review (FDR)	1	02/03/05	02/03/05													■ Conduct Final Design Review (FDR)																																															
LN05050295	COMP: Support Design - Profile Monitor	0		02/03/05													◆ COMP: Support Design - Profile Monitor																																															
LN05050300	Prep Bid Pak - Diagnostics Supports	1	02/04/05	02/04/05													■ Prep Bid Pak - Diagnostics Supports																																															
LN05050310	RELEASE: RFP - Diagnostics Supports	0		02/04/05													◆ RELEASE: RFP - Diagnostics Supports																																															
LN05050315	Vendors Prep Proposals - Supports	20	02/07/05	03/07/05													■ Vendors Prep Proposals - Supports																																															
LN05050320	RCV: Proposals from Vendors - Supports	0		03/07/05													◆ RCV: Proposals from Vendors - Supports																																															
LN05050325	Evaluate Vendor Proposals - Supports	4	03/08/05	03/11/05													■ Evaluate Vendor Proposals - Supports																																															
LN05050330	AWARD: Contract for Supports	1	03/14/05	03/14/05													■ AWARD: Contract for Supports																																															
LN05050335	Vendor Fab 1st Lot - Supports	20	03/15/05	04/11/05													■ Vendor Fab 1st Lot - Supports																																															
LN05050340	RCV: 1st Lot Diagnostics Supports from Vendor	0		04/11/05													◆ RCV: 1st Lot Diagnostics Supports from Vendor																																															
LN05050350	RCV: Remaining Supports from Vendor	0		04/11/05													◆ RCV: Remaining Supports from Vendor																																															
LN05050345	Vendor Fab Remaining Lot - Supports	0	04/12/05	04/11/05													■ Vendor Fab Remaining Lot - Supports																																															
LN05050145	AWARD: Contract - Profile Monitor	1	10/03/05	10/03/05													■ AWARD: Contract - Profile Monitor																																															
LN05050355	Procure Misc Materials - Diagnostics Supports	20	10/03/05	10/28/05													■ Procure Misc Materials - Diagnostics Supports																																															
LN05050175	Procure Component Material - Profile Monitors	40	10/03/05	11/29/05													■ Procure Component Material - Profile Monitors																																															
LN05050150	Vendor Fab 1st Lot	30	10/04/05	11/14/05													■ Vendor Fab 1st Lot																																															
LN05050180	Component Fab & Assembly - Profile Monitors	40	10/17/05	12/13/05													■ Component Fab & Assembly - Profile Monitors																																															
LN05050360	Fabricate Diagnostics Supports (as required)	0	10/31/05	10/28/05													■ Fabricate Diagnostics Supports (as required)																																															
LN05050365	Prep for, Clean & Plate Supports	0	10/31/05	10/28/05													■ Prep for, Clean & Plate Supports																																															
LN05050370	Prep for and Paint Diag Supports (as required)	0	10/31/05	10/28/05													■ Prep for and Paint Diag Supports (as required)																																															

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04		FY05		FY06		FY07		FY08	
<b>1.03.05.05 Profile Monitors (7 OTR-3 PHOSPHOR SCREEN-1 YAG)</b>														
LN05050375	Perform QC & Inspection - Diagnostic Supports	2	10/31/05	11/01/05										
LN05050380	Assemble Supports	15	11/02/05	11/22/05										
LN05050155	RCV: 1st Lot Diagnostics Equip from Vendor	0		11/14/05										
LN05050160	Vendor Fab Remaining Lot	30	11/15/05	12/29/05										
LN05050390	Perform Pre-Installation Qualification - Support	4	11/23/05	11/30/05										
LN05050395	AVAIL: Supts Ready for BC1, BC2, L03, LTU Instl	0		11/30/05										
LN05050165	RCV: Remaining from Vendor	0		12/29/05										
LN05050200	Perform QC / Metrology	10	12/30/05	01/13/06										
LN05050205	Perform Functional Testing - Profile Monitors	20	01/17/06	02/13/06										
LN05050210	Collect Component Performance Data	2	02/14/06	02/15/06										
LN05050215	Load Component Data Base	4	02/14/06	02/17/06										
LN05050220	Post Process & Test	10	02/14/06	02/28/06										
LN05050225	AVAIL: Profile Monitors Ready for BC1 Install	0		02/28/06										
LN05050230	AVAIL: Profile Monitors Ready for BC2 Install	0		02/28/06										
LN05050235	AVAIL: Profile Monitors Ready for L03 Install	0		02/28/06										
LN05050240	AVAIL: Profile Monitors Ready for LTU Install	0		02/28/06										
<b>1.03.05.06 E/O Bunch Length Monitors (1) Summary</b>														
LN05060040	Make Simplified Models	2	05/03/04A	05/04/04A										
LN05060045	Release Final Model To Server	2	05/03/04A	05/04/04A										
LN05060050	Update Component Data Base	2	05/03/04A	05/04/04A										
LN05060055	Write Component Traveler	3	05/03/04A	05/05/04A										
LN05060000	Receive E/O Monitors Requirements	5	05/03/04A	05/07/04A										
LN05060015	Collect Area Specific Requirements	30	05/03/04A	05/28/04A										
LN05060020	Evaluate Existing Design Documentation	25	05/03/04A	05/28/04A										
LN05060025	Produce Common Layout	5	05/03/04A	05/28/04A										
LN05060030	Develop General Specifications / Analysis	3	05/03/04A	05/28/04A										

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.03.05.06 E/O Bunch Length Monitors (1) Summary</b>																																																																
LN05060035	Create / Remodel / Revise Dsn Documentation	60	05/03/04A	05/28/04A	■ Create / Remodel / Revise Dsn Documentation																																																											
LN0506	E/O BUNCH LENGTH MONITORS (1) SUMMARY	621	05/03/04A	10/18/06	■ E/O BUNCH LENGTH MONITORS (1)																																																											
LN05060060	Prepare for PDR - E/O Monitors	1	05/06/04A	05/06/04A	■ Prepare for PDR - E/O Monitors																																																											
LN05060065	Conduct E/O Monitors PDR	1	05/07/04A	05/07/04A	■ Conduct E/O Monitors PDR																																																											
LN05060070	Generate Detailed Procurement Plan	1	05/10/04A	05/10/04A	■ Generate Detailed Procurement Plan																																																											
LN05060005	Review & Accept Requirements	5	05/10/04A	05/14/04A	■ Review & Accept Requirements																																																											
LN05060075	Establish Subordinate Work Orders	1	05/11/04A	05/11/04A	■ Establish Subordinate Work Orders																																																											
LN05060080	Prepare for FDR - E/O Monitors	1	05/12/04A	05/12/04A	■ Prepare for FDR - E/O Monitors																																																											
LN05060085	Conduct E/O Monitors FDR	1	05/13/04A	05/13/04A	■ Conduct E/O Monitors FDR																																																											
LN05060090	COMP: E/O Monitor Design	0		05/13/04A	◆ COMP: E/O Monitor Design																																																											
LN05060010	Write ICD - E/O Monitor	50	07/01/04*	09/10/04	■ Write ICD - E/O Monitor																																																											
LN050601	Remodel / REvise Dsn Documentation	40	01/18/05*	03/15/05	■ Remodel / REvise Dsn Documentation																																																											
LN05060120	Prep Bid Pak - Misc Equip/Comp - E/O Mon	2	03/16/05	03/17/05	■ Prep Bid Pak - Misc Equip/Comp - E/O Mon																																																											
LN05060125	RELEASE: RFP - Misc Equip/Comp - E/O Mon	0		03/17/05	◆ RELEASE: RFP - Misc Equip/Comp - E/O Mon																																																											
LN05060130	Vendors Prep Proposals - Misc Eq/Comp - E/O Mon	20	03/18/05	04/14/05	■ Vendors Prep Proposals - Misc Eq/Comp - E/O Mon																																																											
LN05060135	RCV: Proposals from Vendors	0		04/14/05	◆ RCV: Proposals from Vendors																																																											
LN05060140	Evaluate Vendor Proposals	4	04/15/05	04/20/05	■ Evaluate Vendor Proposals																																																											
LN05060145	AWARD: Contract - Misc Equip/Comp - E/O Mon	1	10/03/05	10/03/05	■ AWARD: Contract - Misc Equip/Comp - E/O Mon																																																											
LN05060095	Prep Bid Pak - Profile Monitor	2	10/03/05	10/04/05	■ Prep Bid Pak - Profile Monitor																																																											
LN05060100	RELEASE: RFP Profile Monitor	0		10/04/05	◆ RELEASE: RFP Profile Monitor																																																											
LN05060170	Vendor Fab & Assy - Misc Equip/Comp - E/O Mon	100	10/04/05	02/28/06	■ Vendor Fab & Assy - Misc Equip/Comp - E/O Mon																																																											
LN05060102	Vendors Prep Proposals - E/O Bnch Lngth Monitors	20	10/05/05	11/01/05	■ Vendors Prep Proposals - E/O Bnch Lngth Monitors																																																											
LN05060104	RCV: Proposals from Vendors	0		11/01/05	◆ RCV: Proposals from Vendors																																																											
LN05060106	Evaluate Vendor Proposals	4	11/02/05	11/07/05	■ Evaluate Vendor Proposals																																																											
LN05060175	RCV: from Vendor Misc Equip/Comp - E/O Monitors	0		02/28/06	◆ RCV: from Vendor Misc Equip/Comp - E/O Mon																																																											
LN05060180	Component Fab & Assembly - E/O Monitors	80	03/01/06	06/21/06	■ Component Fab & Assembly - E/O Monitors																																																											

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.03.05.06 E/O Bunch Length Monitors (1) Summary</b>																																																																
LN05060108	AWARD: Contract - Profile Monitor	1	03/28/06	03/28/06																																					AWARD: Contract - Profile Monitor																							
LN05060110	Vendor Fab 1st Lot	30	03/29/06	05/09/06																																					Vendor Fab 1st Lot																							
LN05060112	RCV: 1st Lot from Vendor	0		05/09/06																																					RCV: 1st Lot from Vendor																							
LN05060114	Vendor Fab Remaining Lot	30	05/10/06	06/21/06																																					Vendor Fab Remaining Lot																							
LN05060116	RCV: Remaining Lot from Vendor	0		06/21/06																																					RCV: Remaining Lot from Vendor																							
LN05060185	E/O Laser Optics Assembly and Test	30	06/22/06	08/03/06																																					E/O Laser Optics Assembly and Test																							
LN05060190	E/O Laser Optics Assembly	20	08/04/06	08/31/06																																					E/O Laser Optics Assembly																							
LN05060195	E/O Laser Optics Fabrication	10	09/01/06	09/15/06																																					E/O Laser Optics Fabrication																							
LN05060200	Perform QC / Metrology	4	09/18/06	09/21/06																																					Perform QC / Metrology																							
LN05060205	Perform Functional Testing - E/O Monitors	2	09/22/06	09/25/06																																					Perform Functional Testing - E/O Monitors																							
LN05060210	Collect Component Performance Data	5	09/26/06	10/02/06																																					Collect Component Performance Data																							
LN05060215	Load Component Data Base	5	10/03/06	10/09/06																																					Load Component Data Base																							
LN05060220	Post Process & Test	5	10/10/06	10/16/06																																					Post Process & Test																							
LN05060225	Prepare for Post-Test FDR - E/O Monitor	1	10/17/06	10/17/06																																					Prepare for Post-Test FDR - E/O Monitor																							
LN05060230	Conduct Post-Test E/O Monitor FDR	1	10/18/06	10/18/06																																					Conduct Post-Test E/O Monitor FDR																							
LN05060245	AVAIL: E/O Monitors Ready for LTU Install	0		10/18/06																																					AVAIL: E/O Monitors Ready for LTU Install																							
<b>1.03.05.07 CSR/OTR/CTR Bunch Length Monitors (5) Summary</b>																																																																
LN05070000	Receive Bunch Length Monitor Requirements	1	12/15/04	12/15/04																																					Receive Bunch Length Monitor Requirements																							
LN0507	CSR/OTR/CTR BUNCH LENGTH MONITORS (5) SUMMARY	272	12/15/04	01/17/06																																					CSR/OTR/CTR BUNCH LENGTH MONITORS (5) SUMMARY																							
LN05070005	Review & Accept Requirements	1	12/16/04	12/16/04																																					Review & Accept Requirements																							
LN05070010	Write ICD - Bunch Length Monitor	2	12/17/04	12/20/04																																					Write ICD - Bunch Length Monitor																							
LN05070015	Collect Area Specific Requirements	2	12/21/04	12/22/04																																					Collect Area Specific Requirements																							
LN05070020	Evaluate Existing Design Documentation	4	12/23/04	12/30/04																																					Evaluate Existing Design Documentation																							
LN05070025	Produce Common Layout	4	01/03/05	01/06/05																																					Produce Common Layout																							
LN05070030	Develop General Specifications / Analysis	4	01/07/05	01/12/05																																					Develop General Specifications / Analysis																							
LN05070035	Create / Remodel / Revise Dsn Documentation	30	01/13/05	02/25/05																																					Create / Remodel / Revise Dsn Documentation																							

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.03.05.07 CSR/OTR/CTR Bunch Length Monitors (5) Summary</b>																																																																
LN05070040	Make Simplified Models	4	02/28/05	03/03/05																																																												
LN05070045	Release Final Model To Server	1	03/04/05	03/04/05																																																												
LN05070050	Update Component Data Base	1	03/07/05	03/07/05																																																												
LN05070055	Write Component Traveler	2	03/08/05	03/09/05																																																												
LN05070060	Prepare for PDR - Bunch Length Monitors	1	03/10/05	03/10/05																																																												
LN05070065	Conduct B/L Monitors PDR	1	03/11/05	03/11/05																																																												
LN05070070	Generate Detailed Procurement Plan	1	03/14/05	03/14/05																																																												
LN05070075	Establish Subordinate Work Orders	1	03/15/05	03/15/05																																																												
LN05070080	Prepare for FDR - Bunch Length Monitors	1	03/16/05	03/16/05																																																												
LN05070085	Conduct B/L Monitors FDR	1	03/17/05	03/17/05																																																												
LN05070090	COMP: Bunch Length Monitor Design	0		03/17/05																																																												
LN05070140	Define Diagnostics Support Requirements	1	03/18/05	03/18/05																																																												
LN05070145	Create ICD & Update LCLS Database	1	03/21/05	03/21/05																																																												
LN05070150	Develop Preliminary Design - Diagnostic Supports	4	03/22/05	03/25/05																																																												
LN05070160	Conduct Preliminary Design Review (PDR)	1	03/28/05	03/28/05																																																												
LN05070170	Develop Final Design - Diagnostics Supports	4	03/29/05	04/01/05																																																												
LN05070180	Conduct Final Design Review (FDR)	1	04/04/05	04/04/05																																																												
LN05070190	COMP: Bunch Length Monitor Supports Design	0		04/04/05																																																												
LN05070195	Prep Bid Pak - Diagnostics Supports	1	04/05/05	04/05/05																																																												
LN05070205	RELEASE: RFP - Diagnostics Supports	0		04/05/05																																																												
LN05070210	Vendors Prep Proposals - Supports	20	04/06/05	05/03/05																																																												
LN05070215	RCV: Proposals from Vendors - Supports	0		05/03/05																																																												
LN05070220	Evaluate Vendor Proposals - Supports	2	05/04/05	05/05/05																																																												
LN05070225	AWARD: Contract for Supports	1	10/03/05	10/03/05																																																												
LN05070250	Procure Misc Materials - Diagnostics Supports	5	10/03/05	10/07/05																																																												
LN05070100	Procure Component Material - Bunch Length Mon	20	10/03/05	10/28/05																																																												

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04			FY05			FY06			FY07			FY08			
<b>1.03.05.07 CSR/OTR/CTR Bunch Length Monitors (5) Summary</b>																				
LN05070230	Vendor Fab 1st Lot - Supports	20	10/04/05	10/31/05															█ Vendor Fab 1st Lot - Supports	
LN05070255	Fabricate Diagnostics Supports (as required)	0	10/10/05	10/07/05															Fabricate Diagnostics Supports (as required)	
LN05070260	Prep for, Clean & Plate Supports	0	10/10/05	10/07/05															Prep for, Clean & Plate Supports	
LN05070265	Prep for and Paint Diag Supports (as required)	0	10/10/05	10/07/05															Prep for and Paint Diag Supports (as required)	
LN05070245	RCV: Remaining Supports from Vendor	0		10/31/05															◆ RCV: Remaining Supports from Vendor	
LN05070105	Component Fab & Assembly - Bunch Length Monit	20	10/31/05	11/29/05															█ Component Fab & Assembly - Bunch Length Monit	
LN05070270	Perform QC & Inspection - Diagnostic Supports	2	11/01/05	11/02/05															Perform QC & Inspection - Diagnostic Supports	
LN05070275	Assemble Supports	10	11/03/05	11/16/05															█ Assemble Supports	
LN05070285	Perform Pre-Installation Qualification - Support	2	11/17/05	11/18/05															Perform Pre-Installation Qualification - Support	
LN05070290	AVAIL: Supports Ready for BC1, BC2, LTU Instl	0		11/18/05															◆ AVAIL: Supports Ready for BC1, BC2, LTU Instl	
LN05070110	Perform QC / Metrology	20	11/30/05	12/28/05															█ Perform QC / Metrology	
LN05070115	Perform Functional Testing - Bunch Length Mon	2	12/29/05	12/30/05															Perform Functional Testing - Bunch Length Mon	
LN05070120	Collect Component Performance Data	2	01/03/06	01/04/06															Collect Component Performance Data	
LN05070125	Load Component Data Base	2	01/03/06	01/04/06															Load Component Data Base	
LN05070130	Post Process & Test	10	01/03/06	01/17/06															█ Post Process & Test	
LN05070135	AVAIL: Bnch Length Monitors Ready for BC1 Instl	0		01/17/06															◆ AVAIL: Bnch Length Monitors Ready for BC1 Instl	
LN05070136	AVAIL: Bnch Length Monitors Ready for BC2 Instl	0		01/17/06															◆ AVAIL: Bnch Length Monitors Ready for BC2 Instl	
LN05070137	AVAIL: Bnch Length Monitors Ready for LTU Instl	0		01/17/06															◆ AVAIL: Bnch Length Monitors Ready for LTU Instl	
<b>1.03.05.08 Beam Loss Monitors</b>																				
<b>1.03.05.08.01 PIC Beam Loss Monitors (10) Summary</b>																				
LN05080100	Receive Beam Loss Monitor Requirements	1	06/01/06	06/01/06															Receive Beam Loss Monitor Requirements	
LN050801	PIC BEAM LOSS MONITOR (10) SUMMARY	148	06/01/06	01/02/07															█ PIC BEAM LOSS MONITOR (10) S	
LN05080102	Review & Accept Requirements	1	06/02/06	06/02/06															Review & Accept Requirements	
LN05080104	Write ICD - Beam Loss Monitor	2	06/05/06	06/06/06															Write ICD - Beam Loss Monitor	
LN05080106	Collect Area Specific Requirements	2	06/07/06	06/08/06															Collect Area Specific Requirements	
LN05080108	Evaluate Existing Design Documentation	8	06/09/06	06/20/06															█ Evaluate Existing Design Documentation	

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.03.05.08.01 PIC Beam Loss Monitors (10) Summary</b>																																																																
LN05080110	Produce Common Layout	8	06/21/06	06/30/06																																																	Produce Common Layout											
LN05080112	Develop General Specifications / Analysis	4	07/03/06	07/07/06																																																	Develop General Specifications / Analysis											
LN05080114	Revise Design Documentation	10	07/10/06	07/21/06																																																	Revise Design Documentation											
LN05080116	Make Simplified Models	1	07/24/06	07/24/06																																																	Make Simplified Models											
LN05080118	Release Final Model To Server	1	07/25/06	07/25/06																																																	Release Final Model To Server											
LN05080120	Update Component Data Base	2	07/26/06	07/27/06																																																	Update Component Data Base											
LN05080122	Write Component Traveler	2	07/28/06	07/31/06																																																	Write Component Traveler											
LN05080124	Prepare for PDR - Beam Loss Monitors	1	08/01/06	08/01/06																																																	Prepare for PDR - Beam Loss Monitors											
LN05080126	Conduct Beam Loss Monitors PDR	1	08/02/06	08/02/06																																																	Conduct Beam Loss Monitors PDR											
LN05080128	Generate Detailed Procurement Plan	1	08/03/06	08/03/06																																																	Generate Detailed Procurement Plan											
LN05080130	Establish Subordinate Work Orders	1	08/04/06	08/04/06																																																	Establish Subordinate Work Orders											
LN05080132	Prepare for FDR - Beam Loss Monitors	1	08/07/06	08/07/06																																																	Prepare for FDR - Beam Loss Monitors											
LN05080134	Conduct Beam Loss Monitors FDR	1	08/08/06	08/08/06																																																	Conduct Beam Loss Monitors FDR											
LN05080136	COMP: Beam Loss Monitor (PIC) Design	0		08/08/06																																																	COMP: Beam Loss Monitor (PIC) Design											
LN05080158	Define Diagnostics Support Requirements	4	08/09/06	08/14/06	Define Diagnostics Support Requirements																																																											
LN05080140	Procure Component Material - Beam Loss Monitors	60	08/09/06	11/01/06																																																	Procure Component Material - Beam											
LN05080160	Create ICD & Update LCLS Database	4	08/15/06	08/18/06																																																	Create ICD & Update LCLS Database											
LN05080162	Develop Preliminary Design - Diagnostic Supports	10	08/21/06	09/01/06																																																	Develop Preliminary Design - Diagnosti											
LN05080164	Conduct Preliminary Design Review (PDR)	1	09/05/06	09/05/06	Conduct Preliminary Design Review (PDR)																																																											
LN05080166	Develop Final Design - Diagnostics Supports	10	09/06/06	09/19/06	Develop Final Design - Diagnostics Support																																																											
LN05080142	Component Fab & Assembly - Beam Loss Monitors	60	09/07/06	12/01/06																																																	Component Fab & Assembly - Bea											
LN05080168	Conduct Final Design Review (FDR)	1	09/20/06	09/20/06																																																	Conduct Final Design Review (FDR)											
LN05080170	COMP: Beam Loss Monitor Supports Design	0		09/20/06	COMP: Beam Loss Monitor Supports Design																																																											
LN05080172	Prep Bid Pak - Diagnostics Supports	1	09/21/06	09/21/06																																																	Prep Bid Pak - Diagnostics Supports											
LN05080174	RELEASE: RFP - Diagnostics Supports	0		09/21/06	RELEASE: RFP - Diagnostics Support																																																											
LN05080188	Procure Misc Materials - Diagnostics Supports	15	09/21/06	10/11/06	Procure Misc Materials - Diagnostics Support																																																											

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.03.05.08.01 PIC Beam Loss Monitors (10) Summary</b>																																																																
LN05080176	Vendors Prep Proposals - Supports	15	09/22/06	10/12/06																																					█ Vendors Prep Proposals - Supports																							
LN05080190	Fabricate Diagnostics Supports (as required)	0	10/12/06	10/11/06													█ Fabricate Diagnostics Supports (as required)																																															
LN05080192	Prep for, Clean & Plate Supports	0	10/12/06	10/11/06																																					█ Prep for, Clean & Plate Supports																							
LN05080194	Prep for and Paint Diag Supports (as required)	0	10/12/06	10/11/06													█ Prep for and Paint Diag Supports (as required)																																															
LN05080178	RCV: Proposals from Vendors - Supports	0		10/12/06																																					█ RCV: Proposals from Vendors - Support																							
LN05080196	Perform QC & Inspection - Diagnostic Supports	2	10/12/06	10/13/06													█ Perform QC & Inspection - Diagnostic Supports																																															
LN05080180	Evaluate Vendor Proposals - Supports	2	10/13/06	10/16/06																																					█ Evaluate Vendor Proposals - Supports																							
LN05080182	AWARD: Contract for Supports	1	10/17/06	10/17/06																																					█ AWARD: Contract for Supports																							
LN05080184	Vendor Fab 1st Lot - Supports	20	10/18/06	11/14/06																																					█ Vendor Fab 1st Lot - Supports																							
LN05080186	RCV: 1st Lot Diagnostics Supports from Vendor	0		11/14/06													█ RCV: 1st Lot Diagnostics Supports from Vendor																																															
LN05080197	Assemble Supports	10	11/15/06	11/30/06																																					█ Assemble Supports																							
LN05080198	Perform Pre-Installation Qualification - Support	2	12/01/06	12/04/06													█ Perform Pre-Installation Qualification - Support																																															
LN05080199	AVAIL: Supports Ready for L03, LTU Instl	0		12/04/06																																					█ AVAIL: Supports Ready for L03, LTU Ins																							
LN05080144	Perform QC / Metrology	5	12/04/06	12/08/06																																					█ Perform QC / Metrology																							
LN05080146	Perform Functional Testing - Beam Loss Monito	10	12/11/06	12/22/06													█ Perform Functional Testing - Beam Loss Monito																																															
LN05080148	Collect Component Performance Data	5	12/26/06	01/02/07																																					█ Collect Component Performance Data																							
LN05080150	Load Component Data Base	5	12/26/06	01/02/07																																					█ Load Component Data Base																							
LN05080152	Post Process & Test	5	12/26/06	01/02/07																																					█ Post Process & Test																							
LN05080154	AVAIL: Bm Loss Monitor (PIC) Ready for L03 Instl	0		01/02/07																																					█ AVAIL: Bm Loss Monitor (PIC) Ready for L03 Ins																							
LN05080156	AVAIL: Bm Loss Monitor (PIC) Ready for LTU Instl	0		01/02/07																																					█ AVAIL: Bm Loss Monitor (PIC) Ready for LTU Ins																							
<b>1.03.05.08.02 PLIC Beam Loss Monitors (2) Summary</b>																																																																
LN05080200	Receive Beam Loss Monitor Requirements	1	10/03/05	10/03/05																																					█ Receive Beam Loss Monitor Requirements																							
LN050802	PLIC BEAM LOSS MONITORS (2) SUMMARY	340	10/03/05	02/08/07																																					█ PLIC BEAM LOSS MONITORS (2) SUMMARY																							
LN05080202	Review & Accept Requirements	1	10/04/05	10/04/05																																					█ Review & Accept Requirements																							
LN05080204	Write ICD - Beam Loss Monitor	2	10/05/05	10/06/05																																					█ Write ICD - Beam Loss Monitor																							
LN05080206	Collect Area Specific Requirements	4	10/07/05	10/12/05																																					█ Collect Area Specific Requirements																							



Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.03.05.08.02 PLIC Beam Loss Monitors (2) Summary</b>																																																																
LN05080208	Evaluate Existing Design Documentation	3	10/13/05	10/17/05																																																												
LN05080210	Produce Common Layout	5	10/18/05	10/24/05																																																												
LN05080212	Develop General Specifications / Analysis	2	10/25/05	10/26/05																																																												
LN05080214	Revise Design Documentation	5	10/27/05	11/02/05																																																												
LN05080216	Make Simplified Models	2	11/03/05	11/04/05																																																												
LN05080218	Release Final Model To Server	1	11/07/05	11/07/05																																																												
LN05080220	Update Component Data Base	2	11/08/05	11/09/05																																																												
LN05080222	Write Component Traveler	2	11/10/05	11/11/05																																																												
LN05080224	Prepare for PDR - Beam Loss Monitors	1	11/14/05	11/14/05																																																												
LN05080226	Conduct Beam Loss Monitors PDR	1	11/15/05	11/15/05																																																												
LN05080228	Generate Detailed Procurement Plan	1	11/16/05	11/16/05																																																												
LN05080230	Establish Subordinate Work Orders	1	11/17/05	11/17/05																																																												
LN05080232	Prepare for FDR - Beam Loss Monitors	1	11/18/05	11/18/05																																																												
LN05080234	Conduct Beam Loss Monitors FDR	1	11/21/05	11/21/05																																																												
LN05080236	COMP: Beam Loss Monitor (PLIC) Design	0		11/21/05																																																												
LN05080256	Define Diagnostics Support Requirements	4	11/22/05	11/29/05																																																												
LN05080258	Create ICD & Update LCLS Database	4	11/30/05	12/05/05																																																												
LN05080260	Develop Preliminary Design - Diagnostic Supports	4	12/06/05	12/09/05																																																												
LN05080262	Conduct Preliminary Design Review (PDR)	1	12/12/05	12/12/05																																																												
LN05080264	Develop Final Design - Diagnostics Supports	3	12/13/05	12/15/05																																																												
LN05080266	Conduct Final Design Review (FDR)	1	12/16/05	12/16/05																																																												
LN05080268	COMP: Support Design - Beam Loss Monitor	0		12/16/05																																																												
LN05080270	Prep Bid Pak - Diagnostics Supports	1	12/19/05	12/19/05																																																												
LN05080272	RELEASE: RFP - Diagnostics Supports	0		12/19/05																																																												
LN05080274	Vendors Prep Proposals - Supports	20	12/20/05	01/19/06																																																												
LN05080276	RCV: Proposals from Vendors - Supports	0		01/19/06																																																												

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04		FY05		FY06		FY07		FY08	
<b>1.03.05.08.02 PLIC Beam Loss Monitors (2) Summary</b>														
LN05080278	Evaluate Vendor Proposals - Supports	2	01/20/06	01/23/06										
LN05080280	AWARD: Contract for Supports	1	03/28/06	03/28/06										
LN05080286	Procure Misc Materials - Diagnostics Supports	20	03/28/06	04/24/06										
LN05080282	Vendor Fab 1st Lot - Supports	20	03/29/06	04/25/06										
LN05080288	Fabricate Diagnostics Supports (as required)	0	04/25/06	04/24/06										
LN05080290	Prep for, Clean & Plate Supports	0	04/25/06	04/24/06										
LN05080284	RCV: 1st Lot Diagnostics Supports from Vendor	0		04/25/06										
LN05080292	Prep for and Paint Diag Supports (as required)	0	04/25/06	04/26/06										
LN05080294	Perform QC & Inspection - Diagnostic Supports	2	04/27/06	04/28/06										
LN05080296	Assemble Supports	10	05/01/06	05/12/06										
LN05080298	Perform Pre-Installation Qualification - Support	4	05/15/06	05/18/06										
LN05080299	AVAIL: Supports Ready for LTU Instl	0		05/18/06										
LN05080240	Procure Component Material - Beam Loss Monitors	20	10/03/06	10/30/06										
LN05080242	Component Fab & Assembly - Beam Loss Monitors	40	10/31/06	12/28/06										
LN05080244	Perform QC / Metrology	10	12/29/06	01/12/07										
LN05080246	Perform Functional Testing - Beam Loss Monito	4	01/16/07	01/19/07										
LN05080248	Collect Component Performance Data	2	01/22/07	01/23/07										
LN05080250	Load Component Data Base	2	01/24/07	01/25/07										
LN05080252	Post Process & Test	10	01/26/07	02/08/07										
LN05080254	AVAIL: Bm Loss Monitor(PLIC) Ready for LTU Instl	0		02/08/07										
<b>1.03.05.09 Single Beam Dump (1) Summary</b>														
LN05090000	Receive Single Beam Dump Requirements	1	10/03/05	10/03/05										
LN0509	SINGLE BEAM DUMP (1) SUMMARY	408	10/03/05	05/16/07										
LN05090005	Review & Accept Requirements	1	10/04/05	10/04/05										
LN05090010	Write ICD - Single Beam Dump	2	10/05/05	10/06/05										
LN05090015	Collect Area Specific Requirements	4	10/07/05	10/12/05										

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04		FY05		FY06		FY07		FY08	
<b>1.03.05.09 Single Beam Dump (1) Summary</b>														
LN05090020	Evaluate Existing Design Documentation	3	10/13/05	10/17/05										
LN05090025	Produce Common Layout	10	10/18/05	10/31/05										
LN05090140	Define Diagnostics Support Requirements	1	11/01/05	11/01/05										
LN05090030	Develop General Specifications / Analysis	10	11/01/05	11/14/05										
LN05090145	Create ICD & Update LCLS Database	1	11/02/05	11/02/05										
LN05090150	Develop Preliminary Design - Diagnostic Supports	4	11/03/05	11/08/05										
LN05090160	Conduct Preliminary Design Review (PDR)	1	11/09/05	11/09/05										
LN05090170	Develop Final Design - Diagnostics Supports	5	11/10/05	11/16/05										
LN05090035	Create / Remodel / Revise Dsn Documentation	10	11/15/05	11/30/05										
LN05090180	Conduct Final Design Review (FDR)	1	11/17/05	11/17/05										
LN05090190	COMP: Single Beam Dump Supports Design	0		11/17/05										
LN05090195	Prep Bid Pak - Diagnostics Supports	1	11/18/05	11/18/05										
LN05090205	RELEASE: RFP - Diagnostics Supports	0		11/18/05										
LN05090210	Vendors Prep Proposals - Supports	20	11/21/05	12/20/05										
LN05090040	Make Simplified Models	10	12/01/05	12/14/05										
LN05090045	Release Final Model To Server	1	12/15/05	12/15/05										
LN05090050	Update Component Data Base	1	12/16/05	12/16/05										
LN05090055	Write Component Traveler	2	12/19/05	12/20/05										
LN05090215	RCV: Proposals from Vendors - Supports	0		12/20/05										
LN05090060	Prepare for PDR - Single Beam Dump	1	12/21/05	12/21/05										
LN05090220	Evaluate Vendor Proposals - Supports	2	12/21/05	12/22/05										
LN05090065	Conduct Single Beam Dump PDR	1	12/22/05	12/22/05										
LN05090070	Generate Detailed Procurement Plan	1	12/23/05	12/23/05										
LN05090225	AWARD: Contract for Supports	1	12/23/05	12/23/05										
LN05090075	Establish Subordinate Work Orders	1	12/27/05	12/27/05										
LN05090080	Prepare for FDR - Single Beam Dump	1	12/28/05	12/28/05										

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.03.05.09 Single Beam Dump (1) Summary</b>																																																																
LN05090085	Conduct Single Beam Dump FDR	1	12/29/05	12/29/05																																					Conduct Single Beam Dump FDR																							
LN05090090	COMP: Single Beam Dump Design	0		12/29/05																																					COMP: Single Beam Dump Design																							
LN05090100	Procure Component Material - Single Beam Dump	20	10/03/06	10/30/06																																					Procure Component Material - Single Beam Dump																							
LN05090105	Component Fab & Assembly - Single Beam Dump	10	10/31/06	11/13/06																																					Component Fab & Assembly - Single Beam Dump																							
LN05090230	Vendor Fab 1st Lot - Supports	20	10/31/06	11/29/06																																					Vendor Fab 1st Lot - Supports																							
LN05090110	Perform QC / Metrology	2	11/14/06	11/15/06																																					Perform QC / Metrology																							
LN05090115	Perform Functional Testing - Single Beam Dump	2	11/16/06	11/17/06	Perform Functional Testing - Single Beam Dump																																																											
LN05090120	Collect Component Performance Data	2	11/20/06	11/21/06	Collect Component Performance Data																																																											
LN05090125	Load Component Data Base	2	11/22/06	11/27/06																																					Load Component Data Base																							
LN05090130	Post Process & Test	10	11/28/06	12/11/06																																					Post Process & Test																							
LN05090235	RCV: 1st Lot Diagnostics Supports from Vendor	0		11/29/06	RCV: 1st Lot Diagnostics Supports from Vendor																																																											
LN05090135	AVAIL: Single Beam Dump Ready for LTU Install	0		12/11/06	AVAIL: Single Beam Dump Ready for LTU Install																																																											
LN05090250	Procure Misc Materials - Diagnostics Supports	20	03/28/07	04/24/07																																					Procure Misc Materials - Diagnostics Supports																							
LN05090255	Fabricate Diagnostics Supports (as required)	0	04/25/07	04/24/07																																					Fabricate Diagnostics Supports (as required)																							
LN05090260	Prep for, Clean & Plate Supports	0	04/25/07	04/24/07																																					Prep for, Clean & Plate Supports																							
LN05090265	Prep for and Paint Diag Supports (as required)	0	04/25/07	04/24/07																																					Prep for and Paint Diag Supports (as required)																							
LN05090270	Perform QC & Inspection - Diagnostic Supports	2	04/25/07	04/26/07																																					Perform QC & Inspection - Diagnostic Supports																							
LN05090275	Assemble Supports	10	04/27/07	05/10/07																																					Assemble Supports																							
LN05090285	Perform Pre-Installation Qualification - Support	4	05/11/07	05/16/07																																					Perform Pre-Installation Qualification - Support																							
LN05090290	AVAIL: Supports Ready for LTU Install	0		05/16/07																																					AVAIL: Supports Ready for LTU Install																							
<b>1.03.05.10 Electron Beam Dump (1) Summary</b>																																																																
LN05100000	Receive Electron Beam Dump Requirements	1	10/31/05	10/31/05																																					Receive Electron Beam Dump Requirements																							
LN0510	ELECTRON BEAM DUMP (1) SUMMARY	200	10/31/05	08/16/06																																					ELECTRON BEAM DUMP (1) SUMMARY																							
LN05100005	Review & Accept Requirements	1	11/01/05	11/01/05																																					Review & Accept Requirements																							
LN05100010	Write ICD - Electron Beam Dump	2	11/02/05	11/03/05																																					Write ICD - Electron Beam Dump																							
LN05100015	Collect Area Specific Requirements	4	11/04/05	11/09/05																																					Collect Area Specific Requirements																							

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.03.05.10 Electron Beam Dump (1) Summary</b>																																																																
LN05100020	Evaluate Existing Design Documentation	8	11/10/05	11/21/05																									I Evaluate Existing Design Documentation																																			
LN05100025	Produce Common Layout	5	11/22/05	11/30/05																									I Produce Common Layout																																			
LN05100030	Develop General Specifications / Analysis	5	12/01/05	12/07/05																									I Develop General Specifications / Analysis																																			
LN05100035	Create / Remodel / Revise Dsn Documentation	20	12/08/05	01/06/06																									■ Create / Remodel / Revise Dsn Documentation																																			
LN05100040	Make Simplified Models	1	01/09/06	01/09/06																									I Make Simplified Models																																			
LN05100045	Release Final Model To Server	1	01/10/06	01/10/06																									I Release Final Model To Server																																			
LN05100050	Update Component Data Base	2	01/11/06	01/12/06																									I Update Component Data Base																																			
LN05100055	Write Component Traveler	2	01/13/06	01/17/06																									I Write Component Traveler																																			
LN05100060	Prepare for PDR - Electron Beam Dump	1	01/18/06	01/18/06																									I Prepare for PDR - Electron Beam Dump																																			
LN05100065	Conduct Electron Beam Dump PDR	1	01/19/06	01/19/06																									I Conduct Electron Beam Dump PDR																																			
LN05100070	Generate Detailed Procurement Plan	1	01/20/06	01/20/06																									I Generate Detailed Procurement Plan																																			
LN05100075	Establish Subordinate Work Orders	1	01/23/06	01/23/06																									I Establish Subordinate Work Orders																																			
LN05100080	Prepare for FDR - Electron Beam Dump	1	01/24/06	01/24/06																									I Prepare for FDR - Electron Beam Dump																																			
LN05100085	Conduct Electron Beam Dump FDR	1	01/25/06	01/25/06																									I Conduct Electron Beam Dump FDR																																			
LN05100090	COMP: Electron Beam Dump Design	0		01/25/06																									◆ COMP: Electron Beam Dump Design																																			
LN05100140	Define Diagnostics Support Requirements	1	01/26/06	01/26/06																									I Define Diagnostics Support Requirements																																			
LN05100100	Procure Component Material - Electron Beam Dump	60	01/26/06	04/20/06																									■ Procure Component Material - Electron Beam																																			
LN05100145	Create ICD & Update LCLS Database	1	01/27/06	01/27/06																									I Create ICD & Update LCLS Database																																			
LN05100150	Develop Preliminary Design - Diagnostic Supports	4	01/30/06	02/02/06																									I Develop Preliminary Design - Diagnostic Supports																																			
LN05100160	Conduct Preliminary Design Review (PDR)	1	02/03/06	02/03/06																									I Conduct Preliminary Design Review (PDR)																																			
LN05100170	Develop Final Design - Diagnostics Supports	5	02/06/06	02/10/06																									I Develop Final Design - Diagnostics Supports																																			
LN05100180	Conduct Final Design Review (FDR)	1	02/13/06	02/13/06																									I Conduct Final Design Review (FDR)																																			
LN05100190	COMP: Electron Beam Dump Supports Design	0		02/13/06																									◆ COMP: Electron Beam Dump Supports Design																																			
LN05100195	Prep Bid Pak - Diagnostics Supports	1	02/14/06	02/14/06																									I Prep Bid Pak - Diagnostics Supports																																			
LN05100205	RELEASE: RFP - Diagnostics Supports	0		02/14/06																									◆ RELEASE: RFP - Diagnostics Supports																																			
LN05100210	Vendors Prep Proposals - Supports	20	02/15/06	03/15/06																									■ Vendors Prep Proposals - Supports																																			

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.03.05.10 Electron Beam Dump (1) Summary</b>																																																																
LN05100215	RCV: Proposals from Vendors - Supports	0		03/15/06																																																	◆ RCV: Proposals from Vendors - Supports											
LN05100220	Evaluate Vendor Proposals - Supports	2	03/16/06	03/17/06																																																	Evaluate Vendor Proposals - Supports											
LN05100225	AWARD: Contract for Supports	1	03/28/06	03/28/06																																																	AWARD: Contract for Supports											
LN05100250	Procure Misc Materials - Diagnostics Supports	20	03/28/06	04/24/06																																																	■ Procure Misc Materials - Diagnostics Supports											
LN05100230	Vendor Fab 1st Lot - Supports	20	03/29/06	04/25/06																																																	■ Vendor Fab 1st Lot - Supports											
LN05100105	Component Fab & Assembly - Electron Beam Dump	60	04/21/06	07/17/06																																																	■ Component Fab & Assembly - Electron Beam Dump											
LN05100255	Fabricate Diagnostics Supports (as required)	0	04/25/06	04/24/06																																																	Fabricate Diagnostics Supports (as required)											
LN05100260	Prep for, Clean & Plate Supports	0	04/25/06	04/24/06																																																	Prep for, Clean & Plate Supports											
LN05100265	Prep for and Paint Diag Supports (as required)	0	04/25/06	04/24/06																																																	Prep for and Paint Diag Supports (as required)											
LN05100235	RCV: 1st Lot Diagnostics Supports from Vendor	0		04/25/06																																																	◆ RCV: 1st Lot Diagnostics Supports from Vendor											
LN05100270	Perform QC & Inspection - Diagnostic Supports	2	04/26/06	04/27/06																																																	Perform QC & Inspection - Diagnostic Supports											
LN05100275	Assemble Supports	10	04/28/06	05/11/06																																																	■ Assemble Supports											
LN05100285	Perform Pre-Installation Qualification - Support	4	05/12/06	05/17/06																																																	Perform Pre-Installation Qualification - Support											
LN05100290	AVAIL: Supports Ready for Installation	0		05/17/06																																																	◆ AVAIL: Supports Ready for Installation											
LN05100110	Perform QC / Metrology	4	07/18/06	07/21/06																																																	Perform QC / Metrology											
LN05100115	Perform Functional Testing - Electron Beam Dump	4	07/24/06	07/27/06																																																	Perform Functional Testing - Electron Beam Dump											
LN05100120	Collect Component Performance Data	2	07/28/06	07/31/06																																																	Collect Component Performance Data											
LN05100125	Load Component Data Base	2	08/01/06	08/02/06																																																	Load Component Data Base											
LN05100130	Post Process & Test	10	08/03/06	08/16/06																																																	■ Post Process & Test											
LN05100135	AVAIL: Electron Beam Dump Ready for LTU Instl	0		08/16/06																																																	◆ AVAIL: Electron Beam Dump Ready for LTU Instl											
<b>1.03.05.11 Protection Collimators (5) Summary</b>																																																																
LN05110000	Receive Protection Collimator Requirements	1	10/03/05	10/03/05																																																	Receive Protection Collimator Requirements											
LN0511	PROTECTION COLLIMATORS (5) SUMMARY	142	10/03/05	04/26/06																																																	■ PROTECTION COLLIMATORS (5) SUMMARY											
LN05110005	Review & Accept Requirements	1	10/04/05	10/04/05																																																	Review & Accept Requirements											
LN05110010	Write ICD - Protection Collimator	2	10/05/05	10/06/05																																																	Write ICD - Protection Collimator											
LN05110015	Collect Area Specific Requirements	2	10/07/05	10/10/05																																																	Collect Area Specific Requirements											

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	Fiscal Year					
					FY04	FY05	FY06	FY07	FY08	
<b>1.03.05.11 Protection Collimators (5) Summary</b>										
LN05110020	Evaluate Existing Design Documentation	4	10/11/05	10/14/05						lEvaluate Existing Design Documentation
LN05110025	Produce Common Layout	5	10/17/05	10/21/05						lProduce Common Layout
LN05110030	Develop General Specifications / Analysis	2	10/24/05	10/25/05						lDevelop General Specifications / Analysis
LN05110035	Create / Remodel / Revise Dsn Documentation	20	10/26/05	11/22/05						■ Create / Remodel / Revise Dsn Documentation
LN05110040	Make Simplified Models	4	11/23/05	11/30/05						lMake Simplified Models
LN05110045	Release Final Model To Server	4	12/01/05	12/06/05						lRelease Final Model To Server
LN05110050	Update Component Data Base	1	12/07/05	12/07/05						lUpdate Component Data Base
LN05110055	Write Component Traveler	4	12/08/05	12/13/05						lWrite Component Traveler
LN05110060	Prepare for PDR - Protection Collimators	1	12/14/05	12/14/05						lPrepare for PDR - Protection Collimators
LN05110065	Conduct Protection Collimator PDR	1	12/15/05	12/15/05						lConduct Protection Collimator PDR
LN05110070	Generate Detailed Procurement Plan	1	12/16/05	12/16/05						lGenerate Detailed Procurement Plan
LN05110075	Establish Subordinate Work Orders	1	12/19/05	12/19/05						lEstablish Subordinate Work Orders
LN05110080	Prepare for FDR - Protection Collimators	3	12/20/05	12/22/05						lPrepare for FDR - Protection Collimators
LN05110085	Conduct Protection Collimator FDR	1	12/23/05	12/23/05						lConduct Protection Collimator FDR
LN05110095	COMP: Protection Collimator Design	0		12/23/05						◆ COMP: Protection Collimator Design
LN05110100	Prep Bid Pak - Protection Collimator	2	12/27/05	12/28/05						lPrep Bid Pak - Protection Collimator
LN05110235	Define Diagnostics Support Requirements	2	12/27/05	12/28/05						lDefine Diagnostics Support Requirements
LN05110160	Procure Component Material - Protection Collimat	20	12/27/05	01/25/06						■ Procure Component Material - Protection Collimat
LN05110110	RELEASE: RFP - Protection Collimators	0		12/28/05						◆ RELEASE: RFP - Protection Collimators
LN05110240	Create ICD & Update LCLS Database	2	12/29/05	12/30/05						lCreate ICD & Update LCLS Database
LN05110115	Vendors Prep Proposals - Protection Collimator	20	12/29/05	01/27/06						■ Vendors Prep Proposals - Protection Collimator
LN05110245	Develop Preliminary Design - Diagnostic Supports	10	01/03/06	01/17/06						■ Develop Preliminary Design - Diagnostic Supports
LN05110255	Conduct Preliminary Design Review (PDR)	1	01/18/06	01/18/06						lConduct Preliminary Design Review (PDR)
LN05110265	Develop Final Design - Diagnostics Supports	10	01/19/06	02/01/06						lDevelop Final Design - Diagnostics Supports
LN05110120	RCV: Proposals from Vendors	0		01/27/06						◆ RCV: Proposals from Vendors
LN05110125	Evaluate Vendor Proposals	4	01/30/06	02/02/06						lEvaluate Vendor Proposals

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.03.05.11 Protection Collimators (5) Summary</b>																																																																
LN05110275	Conduct Final Design Review (FDR)	1	02/02/06	02/02/06																																																	Conduct Final Design Review (FDR)											
LN05110285	COMP: Protection Collimator Supports Design	0		02/02/06																																																	COMP: Protection Collimator Supports Design											
LN05110130	AWARD: Contract - Protection Collimator	1	02/03/06	02/03/06																																																	AWARD: Contract - Protection Collimator											
LN05110290	Prep Bid Pak - Diagnostics Supports	1	02/03/06	02/03/06																																																	Prep Bid Pak - Diagnostics Supports											
LN05110300	RELEASE: RFP - Diagnostics Supports	0		02/03/06																																																	RELEASE: RFP - Diagnostics Supports											
LN05110345	Procure Misc Materials - Diagnostics Supports	20	02/03/06	03/03/06																																																	Procure Misc Materials - Diagnostics Supports											
LN05110135	Vendor Fab 1st Lot	20	02/06/06	03/06/06																																																	Vendor Fab 1st Lot											
LN05110305	Vendors Prep Proposals - Supports	20	02/06/06	03/06/06																																																	Vendors Prep Proposals - Supports											
LN05110350	Fabricate Diagnostics Supports (as required)	0	03/06/06	03/03/06																																																	Fabricate Diagnostics Supports (as required)											
LN05110355	Prep for, Clean & Plate Supports	0	03/06/06	03/03/06																																																	Prep for, Clean & Plate Supports											
LN05110360	Prep for and Paint Diag Supports (as required)	0	03/06/06	03/03/06																																																	Prep for and Paint Diag Supports (as required)											
LN05110140	RCV: 1st Lot Diagnostics Equip from Vendor	0		03/06/06																																																	RCV: 1st Lot Diagnostics Equip from Vendor											
LN05110310	RCV: Proposals from Vendors - Supports	0		03/06/06																																																	RCV: Proposals from Vendors - Supports											
LN05110315	Evaluate Vendor Proposals - Supports	4	03/07/06	03/10/06																																																	Evaluate Vendor Proposals - Supports											
LN05110165	Component Fab & Assembly - Protection Collimat	20	03/07/06	04/03/06																																																	Component Fab & Assembly - Protection Collimat											
LN05110320	AWARD: Contract for Supports	1	03/13/06	03/13/06																																																	AWARD: Contract for Supports											
LN05110325	Vendor Fab 1st Lot - Supports	20	03/14/06	04/10/06																																																	Vendor Fab 1st Lot - Supports											
LN05110185	Perform QC / Metrology	5	04/04/06	04/10/06																																																	Perform QC / Metrology											
LN05110330	RCV: 1st Lot Diagnostics Supports from Vendor	0		04/10/06																																																	RCV: 1st Lot Diagnostics Supports from Vendor											
LN05110190	Perform Functional Testing - Protection Colli	2	04/11/06	04/12/06																																																	Perform Functional Testing - Protection Colli											
LN05110365	Perform QC & Inspection - Diagnostic Supports	2	04/11/06	04/12/06																																																	Perform QC & Inspection - Diagnostic Supports											
LN05110195	Collect Component Performance Data	2	04/13/06	04/14/06																																																	Collect Component Performance Data											
LN05110200	Load Component Data Base	2	04/13/06	04/14/06																																																	Load Component Data Base											
LN05110370	Assemble Supports	6	04/13/06	04/20/06																																																	Assemble Supports											
LN05110205	Post Process & Test	10	04/13/06	04/26/06																																																	Post Process & Test											
LN05110380	Perform Pre-Installation Qualification - Support	1	04/21/06	04/21/06																																																	Perform Pre-Installation Qualification - Support											



Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.03.05.11 Protection Collimators (5) Summary</b>																																																																
LN05110385	AVAIL: Supports Ready for BC1, BC2, LTU Instl	0		04/21/06																																																	◆ AVAIL: Supports Ready for BC1, BC2, LTU Instl											
LN05110215	AVAIL: Protection Collimator Ready for BC1 Instl	0		04/26/06																																																	◆ AVAIL: Protection Collimator Ready for BC1											
LN05110220	AVAIL: Protection Collimator Ready for BC2 Instl	0		04/26/06																																																	◆ AVAIL: Protection Collimator Ready for BC2											
LN05110230	AVAIL: Protection Collimator Ready for LTU Instl	0		04/26/06																																																	◆ AVAIL: Protection Collimator Ready for LTU											
<b>1.03.05.12 Movable Collimators (7x,3y) Summary</b>																																																																
LN05120000	Receive Movable Collimator Requirements	2	06/01/04A	06/02/04A	Receive Movable Collimator Requirements																																																											
LN0512	MOVABLE COLLIMATORS (7x, 3y) SUMMARY	571	06/01/04A	09/06/06													MOVABLE COLLIMATORS (7x, 3y) SUMMARY																																															
LN05120005	Review & Accept Requirements	2	06/03/04A	06/03/04A	Review & Accept Requirements																																																											
LN05120015	Collect Area Specific Requirements	5	06/15/04A	06/30/04A	Collect Area Specific Requirements																																																											
LN05120020	Evaluate Existing Design Documentation	5	06/22/04A	06/28/04A	Evaluate Existing Design Documentation																																																											
LN05120025	Produce Common Layout	39*	06/22/04A	08/16/04	Produce Common Layout																																																											
LN05120010	Write ICD - Movable Collimator	20	07/15/04*	08/11/04	Write ICD - Movable Collimator																																																											
LN05120030	Develop General Specifications / Analysis	4	08/17/04	08/20/04	Develop General Specifications / Analysis																																																											
LN05120035	Create / Remodel / Revise Dsn Documentation	120	08/23/04	02/15/05	Create / Remodel / Revise Dsn Documentation																																																											
LN05120040	Make Simplified Models	4	02/16/05	02/22/05	Make Simplified Models																																																											
LN05120045	Release Final Model To Server	2	02/23/05	02/24/05	Release Final Model To Server																																																											
LN05120050	Update Component Data Base	2	02/25/05	02/28/05	Update Component Data Base																																																											
LN05120055	Write Component Traveler	6	03/01/05	03/08/05	Write Component Traveler																																																											
LN05120060	Prepare for PDR - Movable Collimators	1	03/09/05	03/09/05	Prepare for PDR - Movable Collimators																																																											
LN05120065	Conduct Prelim Dsn Review - Movable Collimator	1	03/10/05	03/10/05	Conduct Prelim Dsn Review - Movable Collimator																																																											
LN05120070	Generate Detailed Procurement Plan	1	03/11/05	03/11/05	Generate Detailed Procurement Plan																																																											
LN05120075	Establish Subordinate Work Orders	1	03/14/05	03/14/05	Establish Subordinate Work Orders																																																											
LN05120080	Prepare for FDR - Movable Collimators	1	03/15/05	03/15/05	Prepare for FDR - Movable Collimators																																																											
LN05120085	Conduct Final Dsn Review - Movable Collimator	1	03/16/05	03/16/05	Conduct Final Dsn Review - Movable Collimator																																																											
LN05120090	COMP: Movable Collimator Design	0		03/16/05	COMP: Movable Collimator Design																																																											
LN05120095	Prep Bid Pak - Movable Collimator	2	03/17/05	03/18/05	Prep Bid Pak - Movable Collimator																																																											

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.03.05.12 Movable Collimators (7x,3y) Summary</b>																																																																
LN05120210	Define Diagnostics Support Requirements	2	03/17/05	03/18/05																																																												
LN05120105	RELEASE: RFP - Movable Collimators	0		03/18/05																																																												
LN05120215	Create ICD & Update LCLS Database	2	03/21/05	03/22/05																																																												
LN05120110	Vendors Prep Proposals - Movable Collimator	20	03/21/05	04/15/05																																																												
LN05120220	Develop Preliminary Design - Diagnostic Supports	5	03/23/05	03/29/05																																																												
LN05120230	Conduct Preliminary Design Review (PDR)	1	03/30/05	03/30/05																																																												
LN05120240	Develop Final Design - Diagnostics Supports	10	03/31/05	04/13/05																																																												
LN05120250	Conduct Final Design Review (FDR)	1	04/14/05	04/14/05																																																												
LN05120260	COMP: Movable Collimator Supports Design	0		04/14/05																																																												
LN05120115	RCV: Proposals from Vendors	0		04/15/05																																																												
LN05120265	Prep Bid Pak - Diagnostics Supports	2	04/15/05	04/18/05																																																												
LN05120275	RELEASE: RFP - Diagnostics Supports	0		04/18/05																																																												
LN05120120	Evaluate Vendor Proposals	4	04/18/05	04/21/05																																																												
LN05120280	Vendors Prep Proposals - Supports	20	04/19/05	05/16/05																																																												
LN05120285	RCV: Proposals from Vendors - Supports	0		05/16/05																																																												
LN05120290	Evaluate Vendor Proposals - Supports	4	05/17/05	05/20/05																																																												
LN05120125	AWARD: Contract - Movable Collimator	1	10/03/05	10/03/05																																																												
LN05120130	Vendor Fab 1st Lot	20	10/04/05	10/31/05																																																												
LN05120135	RCV: 1st Lot Diagnostics Equip from Vendor	0		10/31/05																																																												
LN05120295	AWARD: Contract for Supports	1	01/30/06	01/30/06																																																												
LN05120300	Vendor Fab 1st Lot - Supports	20	01/31/06	02/28/06																																																												
LN05120305	RCV: 1st Lot Diagnostics Supports from Vendor	0		02/28/06																																																												
LN05120320	Procure Misc Materials - Diagnostics Supports	20	03/28/06	04/24/06																																																												
LN05120155	Procure Component Material - Movable Collimator	60	03/28/06	06/20/06																																																												
LN05120325	Fabricate Diagnostics Supports (as required)	0	04/25/06	04/24/06																																																												
LN05120330	Prep for, Clean & Plate Supports	0	04/25/06	04/24/06																																																												

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.03.05.12 Movable Collimators (7x,3y) Summary</b>																																																																
LN05120335	Prep for and Paint Diag Supports (as required)	0	04/25/06	04/24/06																																																	Prep for and Paint Diag Supports (as required)											
LN05120340	Perform QC & Inspection - Diagnostic Supports	2	04/25/06	04/26/06																																																	Perform QC & Inspection - Diagnostic Support											
LN05120160	Component Fab & Assembly - Movable Collimator	60	04/25/06	07/19/06																																																	Component Fab & Assembly - Movable C											
LN05120345	Assemble Supports	10	04/27/06	05/10/06																																																	Assemble Supports											
LN05120355	Perform Pre-Installation Qualification - Support	4	05/11/06	05/16/06																																																	Perform Pre-Installation Qualification - Supp											
LN05120360	AVAIL: Supports Ready for LTU Instl	0		05/16/06																																																	AVAIL: Supports Ready for LTU Instl											
LN05120180	Perform QC / Metrology	10	07/20/06	08/02/06																																																	Perform QC / Metrology											
LN05120185	Perform Functional Testing - Movable Collimat	10	08/03/06	08/16/06																																																	Perform Functional Testing - Movable C											
LN05120190	Collect Component Performance Data	2	08/17/06	08/18/06																																																	Collect Component Performance Data											
LN05120193	Load Component Data Base	2	08/21/06	08/22/06																																																	Load Component Data Base											
LN05120196	Post Process & Test	10	08/23/06	09/06/06																																																	Post Process & Test											
LN05120200	AVAIL: Movable Collimators Ready for LTU Instl	0		09/06/06																																																	AVAIL: Movable Collimators Ready fo											
<b>1.03.05.13 Safety Electron Dump (1) Summary</b>																																																																
LN05130000	Receive Single Beam Dump Requirements	1	01/26/06	01/26/06																																																	Receive Single Beam Dump Requirements											
LN0513	SAFETY ELECTRON DUMP (1) SUMMARY	270	01/26/06	02/21/07																																																	SAFETY ELECTRON DUMP (1)											
LN05130005	Review & Accept Requirements	2	01/27/06	01/30/06																																																	Review & Accept Requirements											
LN05130010	Write ICD - Single Beam Dump	2	01/31/06	02/01/06																																																	Write ICD - Single Beam Dump											
LN05130015	Collect Area Specific Requirements	4	02/02/06	02/07/06																																																	Collect Area Specific Requirements											
LN05130025	Evaluate Existing Design Documentation	4	02/08/06	02/13/06																																																	Evaluate Existing Design Documentation											
LN05130035	Produce Common Layout	4	02/14/06	02/17/06																																																	Produce Common Layout											
LN05130040	Develop General Specifications / Analysis	4	02/21/06	02/24/06																																																	Develop General Specifications / Analysis											
LN05130045	Create / Remodel / Revise Dsn Documentation	10	02/27/06	03/10/06																																																	Create / Remodel / Revise Dsn Documentation											
LN05130050	Make Simplified Models	2	03/13/06	03/14/06																																																	Make Simplified Models											
LN05130055	Release Final Model To Server	2	03/15/06	03/16/06																																																	Release Final Model To Server											
LN05130060	Update Component Data Base	2	03/17/06	03/20/06																																																	Update Component Data Base											
LN05130065	Write Component Traveler	2	03/21/06	03/22/06																																																	Write Component Traveler											



Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08																							
<b>1.03.05.13 Safety Electron Dump (1) Summary</b>																																																																												
LN05130315	RCV: Proposals from Vendors - Supports	0		05/31/06																																					◆ RCV: Proposals from Vendors - Supports																																			
LN05130320	Evaluate Vendor Proposals - Supports	4	06/01/06	06/06/06																																					Evaluate Vendor Proposals - Supports																																			
LN05130170	RCV: 1st Lot Diagnostics Equip from Vendor	0		06/05/06																																					◆ RCV: 1st Lot Diagnostics Equip from Vendor																																			
LN05130190	Component Fab & Assembly - Single Beam Dump	40	06/06/06	08/01/06																																					■ Component Fab & Assembly - Single Beam																																			
LN05130325	AWARD: Contract for Supports	1	06/07/06	06/07/06																																					AWARD: Contract for Supports																																			
LN05130330	Vendor Fab 1st Lot - Supports	20	06/08/06	07/06/06																																					■ Vendor Fab 1st Lot - Supports																																			
LN05130335	RCV: 1st Lot Diagnostics Supports from Vendor	0		07/06/06																																					◆ RCV: 1st Lot Diagnostics Supports from Vendor																																			
LN05130210	Perform QC / Metrology	4	08/02/06	08/07/06																																					Perform QC / Metrology																																			
LN05130215	Perform Functional Testing - Single Beam Dump	0	08/08/06	08/07/06																																					Perform Functional Testing - Single Beam																																			
LN05130220	Collect Component Performance Data	2	08/08/06	08/09/06																																					Collect Component Performance Data																																			
LN05130225	Load Component Data Base	2	08/10/06	08/11/06																																					Load Component Data Base																																			
LN05130230	Post Process & Test	10	08/14/06	08/25/06																																					Post Process & Test																																			
LN05130235	AVAIL: Single Beam Dump Ready for LTU Install	0		08/25/06																																					◆ AVAIL: Single Beam Dump Ready for LTU Install																																			
LN05130350	Procure Misc Materials - Diagnostics Supports	20	12/29/06	01/29/07																																					■ Procure Misc Materials - Diagnostics Supports																																			
LN05130355	Fabricate Diagnostics Supports (as required)	0	01/30/07	01/29/07																																					■ Fabricate Diagnostics Supports (as required)																																			
LN05130360	Prep for, Clean & Plate Supports	0	01/30/07	01/29/07																																					■ Prep for, Clean & Plate Supports																																			
LN05130365	Prep for and Paint Diag Supports (as required)	0	01/30/07	01/29/07																																					■ Prep for and Paint Diag Supports (as required)																																			
LN05130370	Perform QC & Inspection - Diagnostic Supports	2	01/30/07	01/31/07																																					■ Perform QC & Inspection - Diagnostic Supports																																			
LN05130375	Assemble Supports	10	02/01/07	02/14/07																																					■ Assemble Supports																																			
LN05130385	Perform Pre-Installation Qualification - Support	4	02/15/07	02/21/07																																					■ Perform Pre-Installation Qualification - Support																																			
LN05130390	AVAIL: Supports Ready for LTU Instl	0		02/21/07																																					◆ AVAIL: Supports Ready for LTU Instl																																			
<b>1.03.06 Linac RF Subsystem</b>																																																																												
LN06	LINAC RF SUBSYSTEM SUMMARY	611	09/07/04	02/12/07																																																	■ LINAC RF SUBSYSTEM SUMMARY																							
<b>1.03.06.02 S-Band High Power System</b>																																																																												
LN06020000	Review Waveguide Design Reqmts	10	10/18/04	10/29/04																																																	■ Review Waveguide Design Reqmts																							
LN0601	S-BAND LOW LEVEL RF SYSTEM SUMMARY	372	10/18/04	04/12/06																																																	■ S-BAND LOW LEVEL RF SYSTEM SUMMARY																							

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.03.06.02 S-Band High Power System</b>					<b>S-BAND HP WAVEGUIDE SYSTEM SUMMARY</b>																																																											
LN0602	S-BAND HP WAVEGUIDE SYSTEM SUMMARY	372	10/18/04	04/12/06	<b>S-BAND HP WAVEGUIDE SYSTEM SUMMARY</b>																																																											
LN06010000	Design Typical LLRF Coupling Linac Replacement	1	11/01/04	11/01/04	<b>Design Typical LLRF Coupling Linac Replacement</b>																																																											
LN06020005	Design S-Band Waveguide	60	11/01/04	01/31/05	<b>Design S-Band Waveguide</b>																																																											
LN06010005	Prepare for Final Desgin Review (FDR)	1	11/02/04	11/02/04	<b>Prepare for Final Desgin Review (FDR)</b>																																																											
LN06010010	Conduct S-Band Low Level FDR	1	11/03/04	11/03/04	<b>Conduct S-Band Low Level FDR</b>																																																											
LN06010015	COMP: S-Band Low Level Design	0		11/03/04	<b>COMP: S-Band Low Level Design</b>																																																											
LN06010020	Generate Detailed Procurement Plan	3	11/04/04	11/08/04	<b>Generate Detailed Procurement Plan</b>																																																											
LN06020010	Design WG Supports	10	02/01/05	02/14/05	<b>Design WG Supports</b>																																																											
LN06020025	Prepare for Prelim Design Review (PDR)	3	02/15/05	02/17/05	<b>Prepare for Prelim Design Review (PDR)</b>																																																											
LN06020030	Conduct Prelim Design Rev - S-Band HP WG System	1	02/18/05	02/18/05	<b>Conduct Prelim Design Rev - S-Band HP WG System</b>																																																											
LN06020035	Generate Detailed Procurement Plan	1	02/22/05	02/22/05	<b>Generate Detailed Procurement Plan</b>																																																											
LN06020040	Create Cold Test Plan	5	02/23/05	03/01/05	<b>Create Cold Test Plan</b>																																																											
LN06020045	Establish Subordinate Work Orders	1	03/02/05	03/02/05	<b>Establish Subordinate Work Orders</b>																																																											
LN06020050	Prepare for Final Desgin Review (FDR)	3	03/03/05	03/07/05	<b>Prepare for Final Desgin Review (FDR)</b>																																																											
LN06020055	Conduct Final Design Rev - S-Band HP WG System	1	03/08/05	03/08/05	<b>Conduct Final Design Rev - S-Band HP WG System</b>																																																											
LN06020060	COMP: S-Band HP WG System Design	0		03/08/05	<b>COMP: S-Band HP WG System Design</b>																																																											
LN06020065	Prep Bid Pak - Skarpass Flanges	10	03/09/05	03/22/05	<b>Prep Bid Pak - Skarpass Flanges</b>																																																											
LN06020188	Prep Bid Pak - S-Band Waveguide	10	03/09/05	03/22/05	<b>Prep Bid Pak - S-Band Waveguide</b>																																																											
LN06020062	RELEASE: RFP - Skarpass Flanges	0		03/22/05	<b>RELEASE: RFP - Skarpass Flanges</b>																																																											
LN06020090	RELEASE: RFP - S-Band Waveguide	0		03/22/05	<b>RELEASE: RFP - S-Band Waveguide</b>																																																											
LN06020064	Vendors Prep Proposals - S-Band HP Sys Component	10	03/23/05	04/05/05	<b>Vendors Prep Proposals - S-Band HP Sys Component</b>																																																											
LN06020092	Vendors Prep Proposals - S-Band Waveguide	10	03/23/05	04/05/05	<b>Vendors Prep Proposals - S-Band Waveguide</b>																																																											
LN06020115	Procure Waveguide Cooling	50	03/30/05	06/08/05	<b>Procure Waveguide Cooling</b>																																																											
LN06020066	RCV: Proposals from Vendors	0		04/05/05	<b>RCV: Proposals from Vendors</b>																																																											
LN06020094	RCV: Proposals from Vendors	0		04/05/05	<b>RCV: Proposals from Vendors</b>																																																											
LN06020068	Evaluate Vendor Proposals	10	04/06/05	04/19/05	<b>Evaluate Vendor Proposals</b>																																																											

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.03.06.02 S-Band High Power System</b>																																																																
LN06020096	Evaluate Vendor Proposals	10	04/06/05	04/19/05																									█ Evaluate Vendor Proposals																																			
LN06020070	AWARD: Contract for Skarpass Flanges	1	04/20/05	04/20/05																									█ AWARD: Contract for Skarpass Flanges																																			
LN06020098	AWARD: Contract - S-Band Waveguide	1	04/20/05	04/20/05																									█ AWARD: Contract - S-Band Waveguide																																			
LN06020072	Vendor Fab - Skarpass Flanges	70	04/21/05	07/29/05																									█ Vendor Fab - Skarpass Flanges																																			
LN06020100	Vendor Fab & Assy - S-Band Waveguide	70	04/21/05	07/29/05																									█ Vendor Fab & Assy - S-Band Waveguide																																			
LN06020120	RCV: Waveguide Cooling	0		06/08/05																									◆ RCV: Waveguide Cooling																																			
LN06020105	RCV: from Vendor S-Band Waveguide	0		07/29/05																									◆ RCV: from Vendor S-Band Waveguide																																			
LN06020174	RCV: Skarpass Flanges from Vendor	0		07/29/05																									◆ RCV: Skarpass Flanges from Vendor																																			
LN06020135	Fab & Cold Test - Cold Test Hardware	45	08/01/05	10/03/05																									█ Fab & Cold Test - Cold Test Hardware																																			
LN06020140	Fab & Cold Test - Waveguide Straights	60	09/06/05	11/30/05																									█ Fab & Cold Test - Waveguide Straights																																			
LN06020125	Procure Assembly Hardware	20	10/03/05	10/28/05																									█ Procure Assembly Hardware																																			
LN06010025	Procure Coupler Connectors	45	10/03/05	12/06/05																									█ Procure Coupler Connectors																																			
LN06020145	Fab & Cold Test - Waveguide Components	60	10/18/05	01/13/06																									█ Fab & Cold Test - Waveguide Components																																			
LN06020130	RCV: Assembly Hardware	0		10/28/05																									◆ RCV: Assembly Hardware																																			
LN06010030	Cold Test & Fab - S-Band Low Level Equipment	10	12/07/05	12/20/05																									█ Cold Test & Fab - S-Band Low Level Equipment																																			
LN06010035	AVAIL: S-Band Low Level Equipment Ready for Inst	0		12/20/05																									◆ AVAIL: S-Band Low Level Equipment Ready for Inst																																			
LN06020150	Fab & Test - Waveguide Supports	25	01/17/06	02/21/06																									█ Fab & Test - Waveguide Supports																																			
LN06020155	Collect Component Performance Data	5	02/22/06	02/28/06																									█ Collect Component Performance Data																																			
LN06020160	Load Component Data Base	5	02/22/06	02/28/06																									█ Load Component Data Base																																			
LN06020165	Receive System / Sub Assemblies	1	03/01/06	03/01/06																									█ Receive System / Sub Assemblies																																			
LN06020170	Post Process Waveguide	30	03/02/06	04/12/06																									█ Post Process Waveguide																																			
LN06020185	AVAIL: S-Band High Pwr Equip L01 Ready for Instl	0		04/12/06																									◆ AVAIL: S-Band High Pwr Equip L01 Ready fo																																			
LN06020190	AVAIL: S-Band High Pwr Equip BC1 Ready for Instl	0		04/12/06																									◆ AVAIL: S-Band High Pwr Equip BC1 Ready fo																																			
LN06020195	AVAIL: S-Band High Pwr Equip L02 Ready for Instl	0		04/12/06																									◆ AVAIL: S-Band High Pwr Equip L02 Ready fo																																			
LN06020200	AVAIL: S-Band High Pwr Equip BC2 Ready for Instl	0		04/12/06																									◆ AVAIL: S-Band High Pwr Equip BC2 Ready fo																																			
LN06020205	AVAIL: S-Band High Pwr Equip L03 Ready for Instl	0		04/12/06																									◆ AVAIL: S-Band High Pwr Equip L03 Ready fo																																			

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.03.06.03 S-Band Structures</b>																																																																
LN06030000	RCV: 9.5ft Structures & Strongbacks	0	12/29/05																																																													
LN06030005	RF Evaluation of 9.5ft Structures & Strongbacks	10	12/29/05	01/12/06																																																												
LN0603	S-BAND STRUCTURES SUMMARY	86	12/29/05	05/02/06																																																												
LN06030010	Design Strongback Girder Supports	10	01/13/06	01/27/06																																																												
LN06030020	Design TV Section Supports	5	01/30/06	02/03/06																																																												
LN06030025	Prepare for Prelim Design Review (PDR)	3	02/06/06	02/08/06																																																												
LN06030030	Conduct Prelim Design Review (PDR) - S Bnd Struc	1	02/09/06	02/09/06																																																												
LN06030035	Generate Detailed Procurement Plan	1	02/10/06	02/10/06																																																												
LN06030040	Create Cold Test Plan	5	02/13/06	02/17/06																																																												
LN06030045	Establish Subordinate Work Orders	1	02/21/06	02/21/06																																																												
LN06030050	Prepare for Final Desgin Review (FDR)	3	02/22/06	02/24/06																																																												
LN06030055	Conduct Final Design Review (FDR) - S Bnd Struc	1	02/27/06	02/27/06																																																												
LN06030060	COMP: S-Band Structures Design	0		02/27/06																																																												
LN06030075	Bead Pull Structures	15	02/28/06	03/20/06																																																												
LN06030090	Fabricate 9.5ft Supports	5	03/21/06	03/27/06																																																												
LN06030100	Collect Component Performance Data	5	03/28/06	04/03/06																																																												
LN06030105	Load Component Data Base	5	04/04/06	04/10/06																																																												
LN06030110	Receive System / Sub Assemblies	1	04/11/06	04/11/06																																																												
LN06030115	Post Process 9.5 ft Structures	15	04/12/06	05/02/06																																																												
LN06030130	AVAIL: S-Band Structures Ready for L01 Instl	0		05/02/06																																																												
LN06030135	AVAIL: S-Band Structures Ready for BC1 Instl	0		05/02/06																																																												
<b>1.03.06.04 X-Band Low Level System</b>																																																																
LN06040000	REQD: Requirements from System Mech Integration	0		09/03/04																																																												
LN0604	X-BAND LOW LEVEL RF SUMMARY	408	09/07/04	04/21/06																																																												
LN06040002	Review & Accept Requirements	1	10/04/04	10/04/04																																																												
LN06040004	Write X-Band LLRF ICD	3	10/05/04	10/07/04																																																												









Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.03.06.04 X-Band Low Level System</b>																																																																
LN06040006	COMP: X-Band Low Level Requirements	0		10/07/04																																																												
LN06040008	Design X-Band LLRF System	16	11/05/04	11/30/04																																																												
LN06040010	Conduct Prelim Dsign Review (PDR) - X Bnd LL Sys	1	12/01/04	12/01/04																																																												
LN06040012	Design X-Band LLRF System	16	12/02/04	12/23/04																																																												
LN06040014	Conduct Final Design Review (FDR) - X Bnd LL Sys	1	12/28/04	12/28/04																																																												
LN06040016	COMP: X-Band Low Level RF Design	0		12/28/04																																																												
LN06040018	Prep Bid Pak - X-Band Analyzer	10	12/29/04	01/12/05																																																												
LN06040140	Prep Bid Pak - X-Band TWT Driver	10	12/29/04	01/12/05																																																												
LN06040164	Prep Bid Pak - X-Band Phase & Amp Dectector	10	12/29/04	01/12/05																																																												
LN06040180	Procure X-Band 4 X Multiplier	260	12/29/04	01/10/06																																																												
LN06040184	Procure X-Band RF Cables	260	12/29/04	01/10/06																																																												
LN06040188	Procure X-Band Stripline Couplers	260	12/29/04	01/10/06																																																												
LN06040192	Procure X-Band Chassis	260	12/29/04	01/10/06																																																												
LN06040196	Procure X-Band Drive Monitoring	260	12/29/04	01/10/06																																																												
LN06040020	RELEASE: RFP - X-Band Analyzer	0		01/12/05																																																												
LN06040142	RELEASE: RFP - X-Band TWT Driver	0		01/12/05																																																												
LN06040166	RELEASE: RFP - X-Band Phase & Amp Dectector	0		01/12/05																																																												
LN06040022	Vendors Prep Proposals - X-Band Analyzer	10	01/13/05	01/27/05																																																												
LN06040144	Vendors Prep Proposals - X-Band TWT Driver	10	01/13/05	01/27/05																																																												
LN06040168	Vendors Prep Proposals - X-Band Phase & Amp D	10	01/13/05	01/27/05																																																												
LN06040024	RCV: Proposals from Vendors	0		01/27/05																																																												
LN06040146	RCV: Proposals from Vendors	0		01/27/05																																																												
LN06040170	RCV: Proposals from Vendors	0		01/27/05																																																												
LN06040026	Evaluate Vendor Proposals	10	01/28/05	02/10/05																																																												
LN06040148	Evaluate Vendor Proposals	10	01/28/05	02/10/05																																																												
LN06040172	Evaluate Vendor Proposals	10	01/28/05	02/10/05																																																												

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.03.06.04 X-Band Low Level System</b>																																																																
LN06040028	AWARD: Contract X-Band Analyzer	1	02/11/05	02/11/05																									AWARD: Contract X-Band Analyzer																																			
LN06040150	AWARD: Contract X-Band TWT Driver	1	02/11/05	02/11/05																									AWARD: Contract X-Band TWT Driver																																			
LN06040174	AWARD: Contract X-Band Phase & Amp Dectector	1	02/11/05	02/11/05																									AWARD: Contract X-Band Phase & Amp Dectector																																			
LN06040030	Vendor Fab & Assy - X-Band Analyzer	260	02/14/05	02/24/06																									Vendor Fab & Assy - X-Band Analyzer																																			
LN06040152	Vendor Fab & Assy - X-Band TWT Driver	260	02/14/05	02/24/06																									Vendor Fab & Assy - X-Band TWT Driver																																			
LN06040176	Vendor Fab & Assy - X-Band Phase & Amp Dectector	260	02/14/05	02/24/06																									Vendor Fab & Assy - X-Band Phase & Amp Dectector																																			
LN06040182	RCV: X-Band 4 X Multiplier	0		01/10/06																									RCV: X-Band 4 X Multiplier																																			
LN06040186	RCV: X-Band RF Cables	0		01/10/06																									RCV: X-Band RF Cables																																			
LN06040190	RCV: X-Band Stripline Couplers	0		01/10/06																									RCV: X-Band Stripline Couplers																																			
LN06040194	RCV: X-Band Chassis	0		01/10/06																									RCV: X-Band Chassis																																			
LN06040198	RCV: X-Band Drive Monitoring	0		01/10/06																									RCV: X-Band Drive Monitoring																																			
LN06040032	RCV: X-Band Analyzer	0		02/24/06																									RCV: X-Band Analyzer																																			
LN06040154	RCV: X-Band TWT Driver	0		02/24/06																									RCV: X-Band TWT Driver																																			
LN06040178	RCV: X-Band Phase & Amp Dectector	0		02/24/06																									RCV: X-Band Phase & Amp Dectector																																			
LN06040200	Assemble X-Band LLRF Equipment	15	02/27/06	03/17/06																									Assemble X-Band LLRF Equipment																																			
LN06040205	Test X-Band LLRF Equipment	15	03/20/06	04/07/06																									Test X-Band LLRF Equipment																																			
LN06040210	Collect Component Performance Data	5	04/10/06	04/14/06																									Collect Component Performance Data																																			
LN06040215	Load Component Data Base	5	04/17/06	04/21/06																									Load Component Data Base																																			
LN06040220	AVAIL: X-Band LLRF Equip Ready for BC1 Install	0		04/21/06																									AVAIL: X-Band LLRF Equip Ready for BC1 Install																																			
<b>1.03.06.05 X-Band High Power System</b>																																																																
LN0605	X-BAND HIGH POWER RF SUMMARY	451	09/07/04	06/22/06																									X-BAND HIGH POWER RF SUMMARY																																			
<b>1.03.06.05.01 X-Band HP Klystron</b>																																																																
LN06051000	REQD: Requirements from System Mech Integration	0		09/03/04																									REQD: Requirements from System Mech Integration																																			
LN06051005	Review & Accept Requirements	1	09/07/04	09/07/04																									Review & Accept Requirements																																			
LN06051	X-BAND HP KLYSTRON SUMMARY	451	09/07/04	06/22/06																									X-BAND HP KLYSTRON SUMMARY																																			
LN06051010	Write Klystron ICD	2	09/08/04	09/09/04																									Write Klystron ICD																																			

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.03.06.05.01 X-Band HP Klystron</b>																																																																
LN06051015	COMP: X-Band Klystron Requirements	0		09/09/04																																																												
LN06051020	Modify Klystron Design	10	09/10/04	09/23/04																																																												
LN06051056	Engineer Klystron System Window	10	09/10/04	09/23/04																																																												
LN06051030	Design Klystron Gallery Tank	20	09/10/04	10/07/04																																																												
LN06051025	Design Klystron Mount	40	09/10/04	11/04/04																																																												
LN06051058	Design Klystron System Window	15	09/24/04	10/14/04																																																												
LN06051060	COMP: X-Band Klystron System Window	0		10/14/04																																																												
LN06051035	Conduct Prelim Design Review (PDR) - X Bnd HP Ky	5	11/05/04	11/11/04																																																												
LN06051040	Release Long Lead Procurements	0		11/11/04																																																												
LN06051045	Create Cold Test Plan	5	11/12/04	11/18/04																																																												
LN06051050	Establish Subordinate Work Orders	1	11/19/04	11/19/04																																																												
LN06051052	Conduct Final Design Review (FDR) - X Bnd HP Ky	1	11/22/04	11/22/04																																																												
LN06051054	COMP: X-Band Klystron Design	0		11/22/04																																																												
MSC_LN005	CRIT: Start Procurement of X-Band Klystron	0	11/23/04																																																													
LN06051062	Prep Bid Pak - X-Band Klystron	5	11/23/04	12/01/04																																																												
LN06051078	Procure Mounting Support	200	11/23/04	09/12/05																																																												
LN06051064	RELEASE: RFP - X-Band Klystron	0		12/01/04																																																												
LN06051066	Vendors Prep Proposals - Klystron System	10	12/02/04	12/15/04																																																												
LN06051068	RCV: Vendor Proposals - X-Band Klystron	0		12/15/04																																																												
LN06051070	Evaluate Vendor Proposals - Klystron System	5	12/16/04	12/22/04																																																												
LN06051072	AWARD: X-Band Klystrons	1	12/23/04	12/23/04																																																												
LN06051074	Vendor Fab & Assy - X-Band Klystrons	200	12/28/04	10/11/05																																																												
LN06051080	RCV: Mounting Support	0		09/12/05																																																												
LN06051125	Fab & Assemble Mounting Support	5	09/13/05	09/19/05																																																												
LN06051076	RCV: X-Band Klystrons	0		10/11/05																																																												
LN06051130	Fab & Assemble System Window	15	10/12/05	11/01/05																																																												

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.03.06.05.01 X-Band HP Klystron</b>																																																																
LN06051120	Fab & Assemble X-Band Klystron	160	10/12/05	06/01/06																									■ Fab & Assemble X-Band Klystron																																			
LN06051135	Test System Window	10	11/02/05	11/15/05																									■ Test System Window																																			
LN06051150	Collect Component Performance Data	2	11/16/05	11/17/05																									■ Collect Component Performance Data																																			
LN06051155	Load Component Data Base	2	11/18/05	11/21/05																									■ Load Component Data Base																																			
LN06051165	Dress Klystron	5	06/02/06	06/08/06																									■ Dress Klystron																																			
LN06051170	Test Klystron System	10	06/09/06	06/22/06																									■ Test Klystron System																																			
LN06051175	AVAIL: X-Band HP Klystrons Ready for BC1 Install	0		06/22/06																									◆ AVAIL: X-Band HP Klystrons Ready for B																																			
<b>1.03.06.05.02 X-Band HP Modulator</b>																																																																
LN06052000	REQD: Requirements from System Mech Integration	0		09/09/04																									◆ REQD: Requirements from System Mech Integration																																			
LN06052005	Review & Accept Requirements	1	09/10/04	09/10/04																									■ Review & Accept Requirements																																			
LN06052	X-BAND HP MODULATOR SUMMARY	378	09/10/04	03/15/06																									■ X-BAND HP MODULATOR SUMMARY																																			
LN06052010	Write Modulator ICD	2	10/11/04	10/12/04																									■ Write Modulator ICD																																			
LN06052015	COMP: X-Band Modulator Requirements	0		10/12/04																									◆ COMP: X-Band Modulator Requirements																																			
LN06052020	Design Modulator	10	11/10/04	11/23/04																									■ Design Modulator																																			
LN06052025	Modulator Documentation	14	11/24/04	12/15/04																									■ Modulator Documentation																																			
LN06052030	Conduct Prelim Dsign Review (PDR) - X Bnd HP Mod	5	12/16/04	12/22/04																									■ Conduct Prelim Dsign Review (PDR) - X Bnd HP Mod																																			
LN06052035	Release Long Lead Procurements	0		12/22/04																									◆ Release Long Lead Procurements																																			
LN06052040	Create Cold Test Plan	5	12/23/04	01/03/05																									■ Create Cold Test Plan																																			
LN06052045	Establish Subordinate Work Orders	1	01/04/05	01/04/05																									■ Establish Subordinate Work Orders																																			
LN06052050	Conduct Final Design Review (FDR) - X Bnd HP Mod	1	01/05/05	01/05/05																									■ Conduct Final Design Review (FDR) - X Bnd HP Mod																																			
LN06052055	COMP: X-Band Modulator Design	0		01/05/05																									◆ COMP: X-Band Modulator Design																																			
LN06052060	Procure Tank	260	01/06/05	01/18/06																									■ Procure Tank																																			
LN06052070	Procure Pulsed Transformer	260	01/06/05	01/18/06																									■ Procure Pulsed Transformer																																			
LN06052080	Procure Cap Divider	260	01/06/05	01/18/06																									■ Procure Cap Divider																																			
LN06052090	Procure Heater Isolation	260	01/06/05	01/18/06																									■ Procure Heater Isolation																																			
LN06052100	Procure Toroid & Misc	260	01/06/05	01/18/06																									■ Procure Toroid & Misc																																			

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08																							
<b>1.03.06.05.02 X-Band HP Modulator</b>																																																																												
LN06052110	Procure Interlocks	260	01/06/05	01/18/06																									Procure Interlocks																																															
LN06052120	Procure HV Connectors	260	01/06/05	01/18/06																									Procure HV Connectors																																															
LN06052130	Procure Magnet Power Supply	260	01/06/05	01/18/06																									Procure Magnet Power Supply																																															
LN06052140	Procure Power Supply Cabling	260	01/06/05	01/18/06																									Procure Power Supply Cabling																																															
LN06052065	RCV: Tank	0		01/18/06																									◆ RCV: Tank																																															
LN06052075	RCV: Pulsed Transformer	0		01/18/06																									◆ RCV: Pulsed Transformer																																															
LN06052085	RCV: Cap Divider	0		01/18/06																									◆ RCV: Cap Divider																																															
LN06052095	RCV: Heater Isolation	0		01/18/06																									◆ RCV: Heater Isolation																																															
LN06052105	RCV: Toroid & Misc	0		01/18/06																									◆ RCV: Toroid & Misc																																															
LN06052115	RCV: Interlocks	0		01/18/06																									◆ RCV: Interlocks																																															
LN06052125	RCV: HV Connectors	0		01/18/06																									◆ RCV: HV Connectors																																															
LN06052135	RCV: Magnet Power Supply	0		01/18/06																									◆ RCV: Magnet Power Supply																																															
LN06052145	RCV: Power Supply Cabling	0		01/18/06																									◆ RCV: Power Supply Cabling																																															
LN06052260	Assemble Tank	5	01/19/06	01/25/06																									▮ Assemble Tank																																															
LN06052265	Assemble Modulator Assembly	15	01/26/06	02/15/06																									▮ Assemble Modulator Assembly																																															
LN06052270	Test Modulator Assembly	15	02/16/06	03/09/06																									▮ Test Modulator Assembly																																															
LN06052290	Collect Component Performance Data	2	03/10/06	03/13/06																									▮ Collect Component Performance Data																																															
LN06052295	Load Component Data Base	2	03/14/06	03/15/06																									▮ Load Component Data Base																																															
LN06052315	AVAIL: X-Band HP Modulator Ready for BC1 Install	0		03/15/06																									◆ AVAIL: X-Band HP Modulator Ready for BC1 Ir																																															
<b>1.03.06.05.03 X-Band HP Waveguide System</b>																																																																												
LN06053000	REQD: Requirements from System Mech Integration	0		10/12/04																									◆ REQD: Requirements from System Mech Integration																																															
LN06053005	Review & Accept Requirements	1	10/13/04	10/13/04																									▮ Review & Accept Requirements																																															
LN06053	X-BAND HP WAVEGUIDE SUMMARY	177	10/13/04	06/28/05																									X-BAND HP WAVEGUIDE SUMMARY																																															
LN06053010	Write HP Waveguide System ICD	2	10/14/04	10/15/04																									▮ Write HP Waveguide System ICD																																															
LN06053015	COMP: X-Band HP Waveguide Requirements	0		10/15/04																									◆ COMP: X-Band HP Waveguide Requirements																																															
LN06053020	Design WG System	40	10/18/04	12/14/04																																					Design WG System																																			

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.03.06.05.03 X-Band HP Waveguide System</b>																																																																
LN06053025	Design WG System Supports	30	12/15/04	01/31/05																																																												
LN06053030	Conduct Prelim Design Review (PDR) - S Band WG	5	02/01/05	02/07/05																																																												
LN06053035	Release Long Lead Procurements	0		02/07/05																																																												
LN06053040	Create Cold Test Plan	5	02/08/05	02/14/05																																																												
LN06053045	Establish Subordinate Work Orders	1	02/15/05	02/15/05																																																												
LN06053050	Conduct Final Design Review (FDR) - S Band WG	1	02/16/05	02/16/05																																																												
LN06053055	COMP: X-Band Waveguide Design	0		02/16/05																																																												
LN06053090	Procure Waveguide Supports	10	02/17/05	03/03/05																																																												
LN06053095	RCV: Waveguide Supports	0		03/03/05																																																												
LN06053060	Procure ION Pumps (8 EA)	10	03/30/05	04/12/05																																																												
LN06053070	Procure ION Guage Controller	10	03/30/05	04/12/05																																																												
LN06053080	Procure ION Pump Power Supply	10	03/30/05	04/12/05																																																												
LN06053065	RCV: ION Pumps (8 EA)	0		04/12/05																																																												
LN06053075	RCV: ION Guage Controller	0		04/12/05																																																												
LN06053085	RCV: ION Pump Power Supply	0		04/12/05																																																												
LN06053100	Fab & Test Cold Test Hardware	3	04/13/05	04/15/05																																																												
LN06053105	Fab, Cold Test & Tune Broadwall Coupler	5	04/18/05	04/22/05																																																												
LN06053110	Fab, Cold Test & Tune Mode Convertor	5	04/25/05	04/29/05																																																												
LN06053115	Fab, Cold Test & Tune Circular Waveguide (WR 293)	12	05/02/05	05/17/05																																																												
LN06053120	Fab, Cold Test & Tune WR90 Waveguide	5	05/18/05	05/24/05																																																												
LN06053125	Waveguide Supports	10	05/25/05	06/08/05																																																												
LN06053130	Assemble System	10	06/09/05	06/22/05																																																												
LN06053135	Collect Component Performance Data	2	06/23/05	06/24/05																																																												
LN06053140	Load Component Data Base	2	06/27/05	06/28/05																																																												
LN06053165	AVAIL: X-Band HP Waveguide for Installation	0		06/28/05																																																												

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.03.06.06 X-Band Structures</b>																																																																
LN06060000	Review & Accept Requirements	1	10/04/04	10/04/04																																																												
LN0606	X-BAND STRUCTURES SUMMARY	316	10/04/04	01/06/06																																																												
LN06060005	Write Structure ICD	3	10/05/04	10/07/04																																																												
LN06060010	COMP: X-Band Structures Requirements	0		10/07/04																																																												
LN06060012	Design Input Waveguide	10	10/08/04	10/21/04																																																												
LN06060015	Design Structure Supports	30	10/22/04	12/06/04																																																												
LN06060020	Design Collimators	5	12/07/04	12/13/04																																																												
LN06060025	Design Removal Mechanism	25	12/14/04	01/21/05																																																												
LN06060030	Conduct Fnl Dsn Rev - X-Band Bunch Comp Sys	1	01/24/05	01/24/05																																																												
LN06060035	COMP: X-Band Bunch Compressor System Design	0		01/24/05																																																												
LN06060080	Fab Structure Supports	5	01/25/05	01/31/05																																																												
LN06060060	Fab, Cold Test & Tune WR 90 Tee	8	01/25/05	02/03/05																																																												
LN06060065	Fab, Cold Test & Tune WR90 Low Power Loads	8	01/25/05	02/03/05																																																												
LN06060085	Fab Structure Removal Mechanism	15	01/25/05	02/14/05																																																												
LN06060070	Fab Collimators	21	01/25/05	02/23/05																																																												
LN06060040	Procure Valves and Misc Hdwr	90	01/25/05	06/01/05																																																												
LN06060090	Assemble X-Band Structures	21	06/02/05	06/30/05																																																												
LN06060092	Cold Test & Tune Structure (Shop)	21	07/01/05	08/01/05																																																												
LN06060095	Test X-Band Structure System	100	08/02/05	12/22/05																																																												
LN06060105	Collect Component Performance Data	2	12/23/05	12/27/05																																																												
LN06060110	Load Component Data Base	2	12/28/05	12/29/05																																																												
LN06060115	Post Process & Test	5	12/30/05	01/06/06																																																												
LN06060120	AVAIL: X-Band Structures Ready for BC1 Install	0		01/06/06																																																												
<b>1.03.06.07 RF Distribution System</b>																																																																
LN0607	RF DISTRIBUTION SUMMARY	592	10/04/04	02/12/07																																																												

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04			FY05			FY06			FY07			FY08		
<b>1.03.06.07.01 Modulator Refurbishment</b>																			
LN06070102	Create Design Documentation	20	02/11/05	03/11/05															
LN060701	MODULATOR REFURBISHMENT (7) SUMMARY	272	02/11/05	03/13/06															
LN06070110	Generate Detailed Procurement Plan	1	03/14/05	03/14/05															
LN06070112	Create Test Plan	5	03/15/05	03/21/05															
LN06070114	Establish Subordinate Work Orders	1	03/22/05	03/22/05															
LN06070116	Prepare for Final Desgin Review (FDR)	2	03/23/05	03/24/05															
LN06070118	Conduct Final Design Review (FDR) - Mod Refurb	1	03/25/05	03/25/05															
LN06070120	COMP: Modulator Refurbishment Design	0		03/25/05															
LN06070124	Prep Bid Pak - Thyatron & Parts	5	03/28/05	04/01/05															
LN06070126	RELEASE: RFP - Thyatron & Parts	0		04/01/05															
LN06070128	Vendors Prep Proposals - Thyatron & Parts	10	04/04/05	04/15/05															
LN06070130	RCV: Vendor Proposals - Thyatron & Parts	0		04/15/05															
LN06070132	Evaluate Vendor Proposals - Thyatron & Parts	5	04/18/05	04/22/05															
LN06070134	AWARD: Contract - Thyatron & Parts	1	04/25/05	04/25/05															
LN06070136	Vendor Fab & Assy - Thyatron & Parts	70	10/03/05	01/12/06															
LN06070138	RCV: from Vendor - Thyatron & Parts	0		01/12/06															
LN06070140	Refurbish Existing Modulators (7ea)	40	01/13/06	03/13/06															
LN06070142	AVAIL: Modulators Refurbished - BC1	0		03/13/06															
LN06070144	AVAIL: Modulators Refurbished - L02	0		03/13/06															
LN06070146	AVAIL: Modulators Refurbished - BC2	0		03/13/06															
LN06070148	AVAIL: Modulators Refurbished - L03	0		03/13/06															
<b>1.03.06.07.02 Solid State Sub Booster</b>																			
LN06070200	Generate Detailed Procurement Plan	1	02/11/05	02/11/05															
LN060702	SOLID STATE SUB BOOSTER (6) SUMMARY	180	02/11/05	10/26/05															
LN06070205	Create Test Plan	5	02/14/05	02/18/05															
LN06070210	Establish Subordinate Work Orders	1	02/22/05	02/22/05															



Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.03.06.07.02 Solid State Sub Booster</b>																																																																
LN06070215	Prepare for Final Design Review (FDR)	2	02/23/05	02/24/05																																																												
LN06070220	Conduct Final Design Review (FDR) - SS SubBoost	1	02/25/05	02/25/05																																																												
LN06070225	COMP: Solid State Sub Booster Design	0		02/25/05																																																												
LN06070230	Procure Phase Control Electronics	40	02/28/05	04/22/05																																																												
LN06070235	Procure Amplitude Control Electronics	40	02/28/05	04/22/05																																																												
LN06070240	Fab & Test Amplifier	90	04/25/05	08/30/05																																																												
LN06070245	Assemble & Test Sub Booster Systems	40	08/31/05	10/26/05																																																												
LN06070250	AVAIL: Solid State Sub Booster Ready for Install	0		10/26/05																																																												
<b>1.03.06.07.03 IPA Modifications</b>																																																																
LN06070310	Generate Detailed Procurement Plan	1	02/11/05	02/11/05																																																												
LN060703	IPA MODIFICATIONS (6) SUMMARY	177	02/11/05	10/21/05																																																												
LN06070312	Create Test Plan	5	02/14/05	02/18/05																																																												
LN06070314	Establish Subordinate Work Orders	1	02/22/05	02/22/05																																																												
LN06070316	Prepare for Final Design Review (FDR)	2	02/23/05	02/24/05																																																												
LN06070318	Conduct Final Design Review (FDR) - IPA Mods	1	02/25/05	02/25/05																																																												
LN06070320	COMP: IPA Modifications Design	0		02/25/05																																																												
LN06070326	Modify & Test IPA Chasis	15	10/03/05	10/21/05																																																												
LN06070327	AVAIL: IPA Chasis Modified	0		10/21/05																																																												
<b>1.03.06.07.04 Klystron Controls Interfaces</b>																																																																
LN06070400	Develop Design & Prototype	25	03/30/05	05/03/05																																																												
LN060704	KLYSTRON CONTROL INTERFACES (6) SUMMARY	155	03/30/05	11/04/05																																																												
LN06070402	Create Design Documentation	20	05/04/05	06/01/05																																																												
LN06070404	Create Draft Layouts	10	06/02/05	06/15/05																																																												
LN06070406	Prepare for Prelim Design Review (PDR)	2	06/16/05	06/17/05																																																												
LN06070408	Conduct Prelim Design Review (PDR) - Controls I/F	1	06/20/05	06/20/05																																																												
LN06070410	Generate Detailed Procurement Plan	1	06/21/05	06/21/05																																																												

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.03.06.07.04 Klystron Controls Interfaces</b>																																																																
LN06070412	Create Test Plan	5	06/22/05	06/28/05																																																												
LN06070414	Establish Subordinate Work Orders	1	06/29/05	06/29/05																																																												
LN06070416	Prepare for Final Desgin Review (FDR)	2	06/30/05	07/01/05																																																												
LN06070418	Conduct Final Design Review (FDR) - Cntrls I/F	1	07/05/05	07/05/05																																																												
LN06070420	COMP: Klystron Controls Design	0		07/05/05																																																												
LN06070426	Fab Cables	10	10/03/05	10/14/05																																																												
LN06070428	Klystron Controls Interface Installation	15	10/17/05	11/04/05																																																												
<b>1.03.06.07.05 Bunch Length Electronics</b>																																																																
LN06070500	Develop Design & Prototype	25	10/03/05	11/04/05																																																												
LN060705	BUNCH LENGTH ELECTRONICS SUMMARY	88	10/03/05	02/08/06																																																												
LN06070502	Create Design Documentation	20	11/07/05	12/06/05																																																												
LN06070504	Create Draft Layouts	10	12/07/05	12/20/05																																																												
LN06070506	Prepare for Prelim Design Review (PDR)	2	12/21/05	12/22/05																																																												
LN06070508	Conduct Prelim Design Review (PDR) - Bm Phs Elec	1	12/23/05	12/23/05																																																												
LN06070510	Generate Detailed Procurement Plan	1	12/27/05	12/27/05																																																												
LN06070512	Create Test Plan	5	12/28/05	01/04/06																																																												
LN06070514	Establish Subordinate Work Orders	1	01/05/06	01/05/06																																																												
LN06070516	Prepare for Final Desgin Review (FDR)	2	01/06/06	01/09/06																																																												
LN06070518	Conduct Final Design Review (FDR) - Bnc Lth Elec	1	01/10/06	01/10/06																																																												
LN06070520	COMP: Bunch Length Electronics Design	0		01/10/06																																																												
LN06070525	Fab & Test Bunch Length Electronics	20	01/11/06	02/08/06																																																												
LN06070530	AVAIL: Bunch Length Electronics	0		02/08/06																																																												
<b>1.03.06.07.06 RF Phase Measurements</b>																																																																
LN06070600	Review & Accept Requirements	2	10/04/04	10/05/04																																																												
LN060706	X BAND RF PHASE MEASUREMENTS SUMMARY	502	10/04/04	10/02/06																																																												
LN06070601	Design X-Band Phase Chasis	500	10/06/04	10/02/06																																																												

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04																								FY05																								FY06																								FY07																								FY08																																																																							
<b>1.03.06.07.06 RF Phase Measurements</b>																																																																																																																																																																												
LN06070602	Create Design Documentation	20	11/03/04	12/02/04																																																																																																																									■ Create Design Documentation																																															
LN06070604	Create Draft Layouts	10	12/03/04	12/16/04																																																																																																																									■ Create Draft Layouts																																															
LN06070606	Prepare for Prelim Design Review (PDR)	2	12/17/04	12/20/04																																																																																																																									Prepare for Prelim Design Review (PDR)																																															
LN06070608	Conduct Prelim Design Review (PDR) - RF Phas Mea	1	12/21/04	12/21/04																																																																																																																									Conduct Prelim Design Review (PDR) - RF Phas Mea																																															
LN06070609	Procure, Fab & Test X-Band Chasis Prototype	60	12/22/04	03/22/05																																																																																																																									■ Procure, Fab & Test X-Band Chasis Prototype																																															
LN06070610	Procure,Procure, Fab & Test X-Band PAD Prototype	80	03/23/05	07/14/05																																																																																																																									■ Procure,Procure, Fab & Test X-Band PAD Prototype																																															
LN06070611	Generate Detailed Procurement Plan	1	07/15/05	07/15/05																																																																																																																									Generate Detailed Procurement Plan																																															
LN06070612	Create Test Plan	5	07/18/05	07/22/05																																																																																																																									Create Test Plan																																															
LN06070614	Establish Subordinate Work Orders	1	07/25/05	07/25/05																																																																																																																									Establish Subordinate Work Orders																																															
LN06070616	Prepare for Final Desgin Review (FDR)	2	07/26/05	07/27/05																																																																																																																									Prepare for Final Desgin Review (FDR)																																															
LN06070618	Conduct Final Design Review (FDR) - RF Phas Mea	1	07/28/05	07/28/05																																																																																																																									Conduct Final Design Review (FDR) - RF Phas Mea																																															
LN06070620	COMP: RF Phase Measurement Design	0		07/28/05																																																																																																																									◆ COMP: RF Phase Measurement Design																																															
LN06070622	Procure Material / Equipment	70	10/03/05	01/12/06																																																																																																																									■ Procure Material / Equipment																																															
LN06070638	Procure, Fab & Test X-Band Chasis	12	01/13/06	01/31/06																																																																																																																									■ Procure, Fab & Test X-Band Chasis																																															
LN06070639	AVAIL: X-Band RF Phase Measurement System	0		01/31/06																																																																																																																									◆ AVAIL: X-Band RF Phase Measurement System																																															
<b>1.03.06.07.07 RF Distribution L2 &amp; L3</b>																																																																																																																																																																												
LN06070700	Review & Accept Requirements	2	03/28/06*	03/29/06																																																																																																																																																	Review & Accept Requirements																							
LN060707	RF DISTRIBUTION L2 & L3 SUMMARY	222	03/28/06	02/12/07																																																																																																																									■ RF DISTRIBUTION L2 & L3 SUM																																															
LN06070701	Design RF Distribution System	25	03/30/06	05/03/06																																																																																																																									■ Design RF Distribution System																																															
LN06070702	Create Design Documentation	20	05/04/06	06/01/06																																																																																																																									■ Create Design Documentation																																															
LN06070704	Create Draft Layouts	10	06/02/06	06/15/06																																																																																																																									■ Create Draft Layouts																																															
LN06070706	Prepare for Prelim Design Review (PDR)	2	06/16/06	06/19/06																																																																																																																									Prepare for Prelim Design Review (PDR)																																															
LN06070708	Conduct Prelim Design Review (PDR) - RF Dist	1	06/20/06	06/20/06																																																																																																																									Conduct Prelim Design Review (PDR) - RF																																															
LN06070709	Controls Configuration Assessment	10	06/21/06	07/05/06																																																																																																																									■ Controls Configuration Assessment																																															
LN06070710	Design RF Dist PRL Coaxial Water System	10	06/21/06	07/05/06																																																																																																																									■ Design RF Dist PRL Coaxial Water System																																															
LN06070711	Proc, Fab & Test 2W Distribution Amp - Prototype	60	07/06/06	09/28/06																																																																																																																									■ Proc, Fab & Test 2W Distribution Amp																																															

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.03.06.07.07 RF Distribution L2 &amp; L3</b>																																																																
LN06070712	Generate Detailed Procurement Plan	1	09/29/06	09/29/06																																																	Generate Detailed Procurement Plan											
LN06070713	Create Test Plan	5	10/02/06	10/06/06																																																	Create Test Plan											
LN06070714	Establish Subordinate Work Orders	1	10/09/06	10/09/06																																																	Establish Subordinate Work Orders											
LN06070716	Prepare for Final Desgin Review (FDR)	2	10/10/06	10/11/06																																																	Prepare for Final Desgin Review (FDR)											
LN06070718	Conduct Final Design Review (FDR) - RF Dist	1	10/12/06	10/12/06																																																	Conduct Final Design Review (FDR) - RF Dist											
LN06070720	COMP: RF Distribution (L2&L3) Design	0		10/12/06																																																	COMP: RF Distribution (L2&L3) Design											
LN06070740	Procure & Install Coaxial Water Lines	15	10/13/06	11/02/06																																																	Procure & Install Coaxial Water Line											
LN06070744	Procure & Install Control Cables	25	10/13/06	11/16/06																																																	Procure & Install Control Cables											
LN06070730	Procure, Fab & Test 2W Distribution Amp (10)	60	10/13/06	01/10/07																																																	Procure, Fab & Test 2W Distribution Amp (10)											
LN06070732	Procure & Install 1km 1/2 Superflex	60	10/13/06	01/10/07																																																	Procure & Install 1km 1/2 Superflex											
LN06070736	Procure & Install 1km Cable Guides	60	10/13/06	01/10/07																																																	Procure & Install 1km Cable Guide											
LN06070731	AVAIL: Hdwr Testing Complete Ready for Install	0		01/10/07																																																	AVAIL: Hdwr Testing Complete Ready for Install											
LN06070748	Install Cooling System	7	01/11/07	01/22/07																																																	Install Cooling System											
LN06070756	2W Distribution Amp Install (10)	15	01/23/07	02/12/07																																																	2W Distribution Amp Install (10)											
LN06070757	AVAIL: RF Distribution System Ready	0		02/12/07																																																	AVAIL: RF Distribution System Ready											
<b>1.03.06.07.08 RF Fiber Optics Electronics System</b>																																																																
LN06070800	Review & Accept Requirements	2	10/03/05	10/04/05																																																	Review & Accept Requirements											
LN060708	RF FIBER OPTICS ELECTRONICS SUMMARY	295	10/03/05	12/04/06																																																	RF FIBER OPTICS ELECTRONICS											
LN06070801	Design Fiber Optic Electronics	25	10/05/05	11/08/05																																																	Design Fiber Optic Electronics											
LN06070802	Create Design Documentation	25	11/09/05	12/15/05																																																	Create Design Documentation											
LN06070804	Create Draft Layouts	25	11/09/05	12/15/05																																																	Create Draft Layouts											
LN06070806	Prepare for Prelim Design Review (PDR)	2	12/16/05	12/19/05																																																	Prepare for Prelim Design Review (PDR)											
LN06070808	Conduct Prelim Design Review (PDR) - RF Elec	1	12/20/05	12/20/05																																																	Conduct Prelim Design Review (PDR) - RF Elec											
LN06070810	Generate Detailed Procurement Plan	1	12/21/05	12/21/05																																																	Generate Detailed Procurement Plan											
LN06070812	Create Test Plan	5	12/22/05	12/29/05																																																	Create Test Plan											
LN06070814	Establish Subordinate Work Orders	1	12/30/05	12/30/05																																																	Establish Subordinate Work Orders											

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.03.06.07.08 RF Fiber Optics Electronics System</b>																																																																
LN06070815	Fab & Test RF FO Electronics Prototype	80	01/03/06	04/26/06																									■ Fab & Test RF FO Electronics Prototype																																			
LN06070816	Prepare for Final Desgin Review (FDR)	2	04/27/06	04/28/06																																					■ Prepare for Final Desgin Review (FDR)																							
LN06070818	Conduct Final Design Review (FDR) - RF Elec	1	05/01/06	05/01/06																																					■ Conduct Final Design Review (FDR) - RF Elec																							
LN06070820	COMP: RF Fiber Optics Electronics System Design	0		05/01/06																																					◆ COMP: RF Fiber Optics Electronics System																							
LN06070828	Fab & Test RF FO Electronics	60	05/02/06	07/26/06																									■ Fab & Test RF FO Electronics																																			
LN06070829	AVAIL: FO System Ready for Install	0		07/26/06																																					◆ AVAIL: FO System Ready for Install																							
LN06070832	Fiber Optics System Installation	30	07/27/06	09/07/06																																					■ Fiber Optics System Installation																							
LN06070836	Perform RF Electronics Testing	60	09/08/06	12/04/06																																					■ Perform RF Electronics Testing																							
LN06070837	AVAIL: FO System Ready for Commissioning	0		12/04/06																																					◆ AVAIL: FO System Ready for Commissioning																							
<b>1.03.06.07.09 RF Stability</b>																																																																
LN06070900	Review & Accept Requirements	2	10/03/05	10/04/05																																					■ Review & Accept Requirements																							
LN060709	RF STABILITY TESTING SUMMARY	320	10/03/05	01/10/07																																					■ RF STABILITY TESTING SUMMA																							
LN06070901	Design Stability Algorithms	25	10/05/05	11/08/05																																					■ Design Stability Algorithms																							
LN06070902	Create Design Documentation	20	11/09/05	12/08/05																																					■ Create Design Documentation																							
LN06070904	Create Draft Layouts	10	12/09/05	12/22/05																																					■ Create Draft Layouts																							
LN06070906	Prepare for Prelim Design Review (PDR)	2	12/23/05	12/27/05																																					■ Prepare for Prelim Design Review (PDR)																							
LN06070908	Conduct Prelim Design Review (PDR) - RF Stbility	1	12/28/05	12/28/05																																					■ Conduct Prelim Design Review (PDR) - RF Stbility																							
LN06070910	Generate Detailed Procurement Plan	1	12/29/05	12/29/05																																					■ Generate Detailed Procurement Plan																							
LN06070912	Create Test Plan	5	12/30/05	01/06/06																																					■ Create Test Plan																							
LN06070914	Establish Subordinate Work Orders	1	01/09/06	01/09/06																																					■ Establish Subordinate Work Orders																							
LN06070915	Prepare for Final Desgin Review (FDR)	2	01/10/06	01/11/06																																					■ Prepare for Final Desgin Review (FDR)																							
LN06070916	Conduct Final Design Review (FDR) - RF Stability	1	01/12/06	01/12/06																																					■ Conduct Final Design Review (FDR) - RF Stability																							
LN06070917	RF Feedback Measurements	250	01/13/06	01/10/07																																					■ RF Feedback Measurements																							
LN06070918	RF Feedback Setup	250	01/13/06	01/10/07																																					■ RF Feedback Setup																							
LN06070919	RF Feedback Algorithm Adjustment	250	01/13/06	01/10/07																																					■ RF Feedback Algorithm Adjustm																							
LN06070922	AVAIL: RF System Ready for Commissioning	0		01/10/07																																					◆ AVAIL: RF System Ready for Commissioning																							

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.03.07 Linac Installation &amp; Alignment</b>																																																																
<b>1.03.07.01 Linac L01 System Installation &amp; Alignment</b>																																																																
LN07010035	Develop De-Installation Plan for Existing Equip	15	03/30/05	04/19/05																																																												
LN07010010	Create/Review Dwgs & Identify Installation Hdw	20	03/30/05	04/26/05																																																												
LN07010020	Review Drawings & Identify Installation Tooling	20	03/30/05	04/26/05																																																												
LN07010000	Establish & Maintain Component Storage Facility	250	03/30/05	03/27/06																																																												
LN0701	LINAC L01 SYSTEM INSTALLATION SUMMARY	391	03/30/05	10/13/06																																																												
LN07010015	Procure Installation Hardware	120	10/03/05	03/27/06																																																												
LN07010025	Procure Installation & Alignment Tooling	160	10/03/05	05/22/06																																																												
LN07010030	Kit New Components for Installation	20	03/28/06	04/24/06																																																												
LN07010005	REQD: L01 Available for Pre-Install Preps	0		07/31/06																																																												
LN07010040	De-install Existing Components	15	08/01/06	08/21/06																																																												
LN07010060	REQD: All Linac L01 Sys Equip Ready for Install	0		08/07/06																																																												
LN07010055	Establish Alignment Coordinates for B/L Equip	3	08/22/06	08/24/06																																																												
LN07010045	Determine Disposition of De-installed Components	15	08/22/06	09/12/06																																																												
LN07010200	Install S-Band RF Components	5	08/25/06	08/31/06																																																												
LN07010100	Install All Racks, Cables, Trays & Test	25	08/25/06	09/29/06																																																												
LN07010205	Install Beamline Components	12	09/01/06	09/19/06																																																												
LN07010050	Prep for & Move De-installed Equip to Storage	5	09/13/06	09/19/06																																																												
LN07010225	Interconnect Vacuum System & Test	3	09/20/06	09/22/06																																																												
LN07010210	Align Beamline Components to Coordinate System	4	09/20/06	09/25/06																																																												
LN07010230	Perform Magnet Power Test	2	09/25/06	09/26/06																																																												
LN07010215	Magnet Power Interconnect & Test	3	09/26/06	09/28/06																																																												
LN07010235	Perform Diagnostics Controls Test	3	09/27/06	09/29/06																																																												
LN07010220	Controls Interconnect & Test	3	10/02/06	10/04/06																																																												
LN07010240	Test & Tune S Band RF Equipment	3	10/02/06	10/04/06																																																												
LN07010245	Coordinate & Check Installation	7	10/05/06	10/13/06																																																												

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.03.07.01 Linac L01 System Installation &amp; Alignment</b>					<b>AVAIL: L01 Equipment Installation Complete</b> ◆																																																											
LN07010250	AVAIL: L01 Equipment Installation Complete	0		10/13/06																																																												
<b>1.03.07.02 Linac BC1 System Installation &amp; Alignment</b>																																																																
LN07020035	Develop De-Installation Plan for Existing Equip	15	03/30/05	04/19/05	■ Develop De-Installation Plan for Existing Equip																																																											
LN07020010	Create/Review Dwgs & Identify Installation Hdwr	20	03/30/05	04/26/05	■ Create/Review Dwgs & Identify Installation Hdwr																																																											
LN07020020	Review Drawings & Identify Installation Tooling	20	03/30/05	04/26/05	■ Review Drawings & Identify Installation Tooling																																																											
LN07020000	Establish & Maintain Component Storage Facility	250	03/30/05	03/27/06	■■■■■■■■■■ Establish & Maintain Component Storage Facility																																																											
LN0702	LINAC BC1 SYSTEM INSTALLATION SUMMARY	400	03/30/05	10/26/06	■■■■■■■■■■ LINAC BC1 SYSTEM INSTALLATION																																																											
LN07020245	Install X-Band RF Components-Gallery	70	06/29/05	10/06/05	■■■■■■■■■■ Install X-Band RF Components-Gallery																																																											
LN07020015	Procure Installation Hardware	120	10/03/05	03/27/06	■■■■■■■■■■ Procure Installation Hardware																																																											
LN07020025	Procure Installation Tooling	160	10/03/05	05/22/06	■■■■■■■■■■ Procure Installation Tooling																																																											
LN07020207	Install Subbooster	10	10/27/05	11/09/05	■■■■■■■■■■ Install Subbooster																																																											
LN07020030	Kit New Components for Installation	20	03/28/06	04/24/06	■■■■■■■■■■ Kit New Components for Installation																																																											
LN07020005	REQD: BC1 Available for Pre-Install Preps	0		07/31/06	<b>REQD: BC1 Available for Pre-Install Prep</b> ◆																																																											
LN07020060	REQD: All Linac BC1 Sys Equip Ready for Install	0		07/31/06	◆ REQD: All Linac BC1 Sys Equip Ready for Install																																																											
LN07020040	De-install Existing Components	15	08/01/06	08/21/06	■ De-install Existing Components																																																											
LN07020055	Establish Alignment Coordinates for B/L Equip	3	08/22/06	08/24/06	■ Establish Alignment Coordinates for B/L Equip																																																											
LN07020246	Install X-Band RF Components-Tunnel	10	08/22/06	09/05/06	■ Install X-Band RF Components-Tunnel																																																											
LN07020045	Determine Disposition of De-installed Components	15	08/22/06	09/12/06	■ Determine Disposition of De-installed Components																																																											
LN07020200	Install S-Band RF Components	5	08/25/06	08/31/06	■ Install S-Band RF Components																																																											
LN07020100	Install All Racks, Cables, Trays & Test	25	08/25/06	09/29/06	■ Install All Racks, Cables, Trays & Test																																																											
LN07020205	Install Beamline Components	15	09/01/06	09/22/06	■ Install Beamline Components																																																											
LN07020250	Test & Tune X Band RF Equipment	20	09/06/06	10/03/06	■ Test & Tune X Band RF Equipment																																																											
LN07020050	Prep for & Move De-installed Equip to Storage	5	09/13/06	09/19/06	<b>Prep for &amp; Move De-installed Equip to Storage</b>																																																											
LN07020210	Align Beamline Components to Coordinate System	4	09/25/06	09/28/06	■ Align Beamline Components to Coordinate System																																																											
LN07020215	Magnet Power Interconnect & Test	3	09/29/06	10/03/06	■ Magnet Power Interconnect & Test																																																											
LN07020220	Controls Interconnect & Test	3	10/04/06	10/06/06	■ Controls Interconnect & Test																																																											

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.03.07.02 Linac BC1 System Installation &amp; Alignment</b>																																																																
LN07020255	Coordinate & Check Installation	8	10/04/06	10/13/06																																																	Coordinate & Check Installation											
LN07020225	Interconnect Vacuum System & Test	3	10/09/06	10/11/06																																																	Interconnect Vacuum System & Test											
LN07020230	Perform Magnet Power Test	2	10/12/06	10/13/06																																																	Perform Magnet Power Test											
LN07020260	AVAIL: BC1 Equipment Installation Complete	0		10/13/06																																																	AVAIL: BC1 Equipment Installation Complete											
LN07020235	Perform Diagnostics Controls Test	3	10/16/06	10/18/06																																																	Perform Diagnostics Controls Test											
LN07020240	Test & Tune S Band RF Equipment	3	10/19/06	10/23/06																																																	Test & Tune S Band RF Equipment											
LN07020241	AVAIL: In-tunnel Installation Completed	3	10/24/06	10/26/06																																																	AVAIL: In-tunnel Installation Completed											
<b>1.03.07.03 Linac L02 System Installation &amp; Alignment</b>																																																																
LN07030035	Develop De-Installation Plan for Existing Equip	15	03/28/06	04/17/06																																																	Develop De-Installation Plan for Existing Equip											
LN07030010	Create/Review Dwgs & Identify Installation Hdwr	20	03/28/06	04/24/06																																																	Create/Review Dwgs & Identify Installation Hdwr											
LN07030020	Review Drawings & Identify Installation Tooling	20	03/28/06	04/24/06																																																	Review Drawings & Identify Installation Tooling											
LN07030000	Establish & Maintain Component Storage Facility	200	03/28/06	01/10/07																																																	Establish & Maintain Component Storage Facility											
LN0703	LINAC L02 SYSTEM INSTALLATION SUMMARY	372	03/28/06	09/14/07																																																	LINAC L02 SYSTEM INSTALLATION SUMMARY											
LN07030015	Procure Installation Hardware	200	04/25/06	02/08/07																																																	Procure Installation Hardware											
LN07030025	Procure Installation Tooling	200	04/25/06	02/08/07																																																	Procure Installation Tooling											
LN07030030	Kit New Components for Installation	20	02/09/07	03/09/07																																																	Kit New Components for Installation											
LN07030005	REQD: L02 Available for Pre-Install Preps	0		06/29/07																																																	REQD: L02 Available for Pre-Install Preps											
LN07030060	REQD: All Linac L02 Sys Equip Ready for Install	0		06/29/07																																																	REQD: All Linac L02 Sys Equip Ready for Install											
LN07030040	De-install Existing Components	15	07/02/07	07/23/07																																																	De-install Existing Components											
LN07030055	Establish Alignment Coordinates for B/L Equip	3	07/24/07	07/26/07																																																	Establish Alignment Coordinates for B/L Equip											
LN07030045	Determine Disposition of De-installed Components	15	07/24/07	08/13/07																																																	Determine Disposition of De-installed Components											
LN07030200	Install S-Band RF Components	5	07/27/07	08/02/07																																																	Install S-Band RF Components											
LN07030100	Install All Racks, Cables, Trays & Test	25	07/27/07	08/30/07																																																	Install All Racks, Cables, Trays & Test											
LN07030205	Install Beamline Components	11	08/03/07	08/17/07																																																	Install Beamline Components											
LN07030050	Prep for & Move De-installed Equip to Storage	5	08/14/07	08/20/07																																																	Prep for & Move De-installed Equip to Storage											
LN07030225	Interconnect Vacuum System & Test	3	08/20/07	08/22/07																																																	Interconnect Vacuum System & Test											



Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.03.07.03 Linac L02 System Installation &amp; Alignment</b>																																																																
LN07030210	Align Beamline Components to Coordinate System	4	08/20/07	08/23/07																									Align Beamline Components to Coordinate System																																			
LN07030230	Perform Magnet Power Test	2	08/23/07	08/24/07																																					Perform Magnet Power Test																							
LN07030215	Magnet Power Interconnect & Test	3	08/24/07	08/28/07																																					Magnet Power Interconnect & Test																							
LN07030235	Perform Diagnostics Controls Test	3	08/27/07	08/29/07																																					Perform Diagnostics Controls Test																							
LN07030240	Test & Tune S Band RF Equipment	3	08/30/07	09/04/07																																					Test & Tune S Band RF Equipment																							
LN07030220	Controls Interconnect & Test	3	08/31/07	09/05/07																																					Controls Interconnect & Test																							
LN07030245	Coordinate & Check Installation	8	09/05/07	09/14/07																																					Coordinate & Check Installation																							
LN07030250	AVAIL: L02 Equipment Installation Complete	0		09/14/07																																					AVAIL: L02 Equipment Installation Complete																							
<b>1.03.07.04 Linac BC2 System Installation &amp; Alignment</b>																																																																
LN07040035	Develop De-Installation Plan for Existing Equip	15	03/28/06	04/17/06																																					Develop De-Installation Plan for Existing Equip																							
LN07040010	Create/Review Dwgs & Identify Installation Hdwr	20	03/28/06	04/24/06																																					Create/Review Dwgs & Identify Installation Hdwr																							
LN07040020	Review Drawings & Identify Installation Tooling	20	03/28/06	04/24/06																																					Review Drawings & Identify Installation Tooling																							
LN07040000	Establish & Maintain Component Storage Facility	200	03/28/06	01/10/07																																					Establish & Maintain Component																							
LN0704	LINAC BC2 SYSTEM INSTALLATION SUMMARY	373	03/28/06	09/17/07																																					LINAC BC2 SYSTEM																							
LN07040015	Procure Installation Hardware	200	04/25/06	02/08/07																																					Procure Installation Hardware																							
LN07040025	Procure Installation Tooling	200	04/25/06	02/08/07																																					Procure Installation Tooling																							
LN07040030	Kit New Components for Installation	20	02/09/07	03/09/07																																					Kit New Components for Installatio																							
LN07040005	REQD: BC2 Available for Pre-Install Preps	0		06/29/07																																					REQD: BC2 Available for Pre-Install Prep																							
LN07040060	REQD: All Linac BC2 Sys Equip Ready for Install	0		06/29/07																																					REQD: All Linac BC2 Sys Equip Ready for Insta																							
LN07040040	De-install Existing Components	15	07/02/07	07/23/07																																					De-install Existing Component																							
LN07040055	Establish Alignment Coordinates for B/L Equip	3	07/24/07	07/26/07																																					Establish Alignment Coordinates for B/L Equip																							
LN07040045	Determine Disposition of De-installed Components	15	07/24/07	08/13/07																																					Determine Disposition of De-installed Component																							
LN07040200	Install S-Band RF Components	5	07/27/07	08/02/07																																					Install S-Band RF Components																							
LN07040100	Install All Racks, Cables, Trays & Test	25	07/27/07	08/30/07																																					Install All Racks, Cables, Trays & Tes																							
LN07040205	Install Beamline Components	12	08/03/07	08/20/07																																					Install Beamline Component																							
LN07040050	Prep for & Move De-installed Equip to Storage	5	08/14/07	08/20/07																																					Prep for & Move De-installed Equip to Storage																							

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.03.07.04 Linac BC2 System Installation &amp; Alignment</b>																																																																
LN07040225	Interconnect Vacuum System & Test	3	08/21/07	08/23/07																									Interconnect Vacuum System & Test																																			
LN07040210	Align Beamline Components to Coordinate System	4	08/21/07	08/24/07																									Align Beamline Components to Coordinate System																																			
LN07040230	Perform Magnet Power Test	2	08/24/07	08/27/07																									Perform Magnet Power Test																																			
LN07040215	Magnet Power Interconnect & Test	3	08/27/07	08/29/07																									Magnet Power Interconnect & Test																																			
LN07040235	Perform Diagnostics Controls Test	3	08/28/07	08/30/07																									Perform Diagnostics Controls Test																																			
LN07040220	Controls Interconnect & Test	3	08/31/07	09/05/07																									Controls Interconnect & Test																																			
LN07040240	Test & Tune S Band RF Equipment	3	08/31/07	09/05/07																									Test & Tune S Band RF Equipment																																			
LN07040245	Coordinate & Check Installation	8	09/06/07	09/17/07																									Coordinate & Check Installation																																			
LN07040250	AVAIL: BC2 Equipment Installation Complete	0		09/17/07																									AVAIL: BC2 Equipment Installation Complete																																			
<b>1.03.07.05 Linac L03 System Installation &amp; Alignment</b>																																																																
LN07050035	Develop De-Installation Plan for Existing Equip	15	03/28/06	04/17/06																									Develop De-Installation Plan for Existing Equip																																			
LN07050010	Create/Review Dwgs & Identify Installation Hdwr	20	03/28/06	04/24/06																									Create/Review Dwgs & Identify Installation Hdwr																																			
LN07050020	Review Drawings & Identify Installation Tooling	20	03/28/06	04/24/06																									Review Drawings & Identify Installation Tooling																																			
LN07050000	Establish & Maintain Component Storage Facility	200	03/28/06	01/10/07																									Establish & Maintain Component Storage Facility																																			
LN0705	LINAC L03 INSTALLATION SUMMARY - 25,27,28,29	381	03/28/06	09/27/07																									LINAC L03 INSTALLATION SUMMARY - 25,27,28,29																																			
LN07050015	Procure Installation Hardware	200	04/25/06	02/08/07																									Procure Installation Hardware																																			
LN07050025	Procure Installation Tooling	200	04/25/06	02/08/07																									Procure Installation Tooling																																			
LN07050030	Kit New Components for Installation	20	02/09/07	03/09/07																									Kit New Components for Installation																																			
LN07050005	REQD: L03 Available for Pre-Install Preps	0		06/29/07																									REQD: L03 Available for Pre-Install Preps																																			
LN07050060	REQD: All Linac L03 Sys Equip Ready for Install	0		06/29/07																									REQD: All Linac L03 Sys Equip Ready for Install																																			
LN07050055	Establish Alignment Coordinates for B/L Equip	6	07/02/07	07/10/07																									Establish Alignment Coordinates for B/L Equip																																			
LN07050040	De-install Existing Components	15	07/02/07	07/23/07																									De-install Existing Components																																			
LN07050045	Determine Disposition of De-installed Components	3	07/10/07	07/12/07																									Determine Disposition of De-installed Components																																			
LN07050100	Install All Racks, Cables, Trays & Test	25	07/11/07	08/14/07																									Install All Racks, Cables, Trays & Test																																			
LN07050050	Prep for & Move De-installed Equip to Storage	5	07/13/07	07/19/07																									Prep for & Move De-installed Equip to Storage																																			
LN07050200	Install S-Band RF Components	10	07/24/07	08/06/07																									Install S-Band RF Components																																			

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.03.07.05 Linac L03 System Installation &amp; Alignment</b>																																																																
LN07050205	Install Beamline Components	15	07/24/07	08/13/07																									Install Beamline Component																																			
LN07050210	Align Beamline Components to Coordinate System	8	08/14/07	08/23/07													Align Beamline Components to Coordinate System																																															
LN07050215	Magnet Power Interconnect & Test	3	08/24/07	08/28/07																									Magnet Power Interconnect & Test																																			
LN07050220	Controls Interconnect & Test	6	08/29/07	09/06/07																									Controls Interconnect & Test																																			
LN07050225	Interconnect Vacuum System & Test	6	08/29/07	09/06/07																									Interconnect Vacuum System & Test																																			
LN07050230	Perform Magnet Power Test	2	09/07/07	09/10/07																									Perform Magnet Power Test																																			
LN07050235	Perform Diagnostics Controls Test	6	09/11/07	09/18/07																									Perform Diagnostics Controls Test																																			
LN07050240	Test & Tune S Band RF Equipment	2	09/19/07	09/20/07																									Test & Tune S Band RF Equipment																																			
LN07050245	Coordinate & Check Installation	5	09/21/07	09/27/07																									Coordinate & Check Installation																																			
LN07050250	AVAIL: L03 Equipment Installation Complete	0		09/27/07																									AVAIL: L03 Equipment Installation Complete																																			
<b>1.03.07.06 Linac LTU System Installation &amp; Alignment</b>																																																																
LN07060035	Develop De-Installation Plan for Existing Equip	15	03/28/06	04/17/06																									Develop De-Installation Plan for Existing Equip																																			
LN07060010	Create/Review Dwgs & Identify Installation Hdwr	20	03/28/06	04/24/06																									Create/Review Dwgs & Identify Installation Hdwr																																			
LN07060020	Review Drawings & Identify Installation Tooling	20	03/28/06	04/24/06																									Review Drawings & Identify Installation Tooling																																			
LN07060000	Establish & Maintain Component Storage Facility	250	03/28/06	03/23/07																									Establish & Maintain Component Storage Facility																																			
LN0706	LINAC LTU SYSTEM INSTALLATION SUMMARY	425	03/28/06	11/30/07																									LINAC LTU SYSTEM INSTALLATION SUMMARY																																			
LN07060015	Procure Installation Hardware	250	04/25/06	04/20/07													Procure Installation Hardware																																															
LN07060025	Procure Installation Tooling	250	04/25/06	04/20/07																									Procure Installation Tooling																																			
LN07060040	REQD: FFTB Ready for Equip removal	0		05/31/06*																									REQD: FFTB Ready for Equip removal																																			
LN07060045	De-install Existing Components	15	06/01/06	06/21/06																									De-install Existing Components																																			
LN07060050	Determine Disposition of De-installed Components	15	06/22/06	07/13/06																									Determine Disposition of De-installed Components																																			
LN07060055	Prep for & Move De-installed Equip to Storage	5	07/14/06	07/20/06																									Prep for & Move De-installed Equip to Storage																																			
LN07060060	COMP: FFTB Equip Removal Comp Ready for CF	0		07/20/06																									COMP: FFTB Equip Removal Comp Ready for CF																																			
LN07060030	Kit New Components for Installation	20	04/23/07	05/18/07																									Kit New Components for Installation																																			
LN07060005	REQD: LTU Available for Pre-Install Preps	0		07/02/07													REQD: LTU Available for Pre-Install Preps																																															
LN07060065	Establish Alignment Coordinates for B/L Equip	3	07/03/07	07/06/07																									Establish Alignment Coordinates for B/L Equip																																			

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.03.07.06 Linac LTU System Installation &amp; Alignment</b>																																																																
LN07060070	REQD: All Linac LTU Sys Equip Ready for Install	0		09/27/07																									REQD: All Linac LTU Sys Equip Ready for Install																																			
LN07060200	Install Beamline Components	15	09/28/07	10/18/07																									Install Beamline Components																																			
LN07060100	Install All Racks, Cables, Trays & Test	25	09/28/07	11/01/07																									Install All Racks, Cables, Trays & Test																																			
LN07060210	Align Beamline Components to Coordinate System	4	10/19/07	10/24/07																									Align Beamline Components to Coordinate System																																			
LN07060215	Magnet Power Interconnect & Test	3	10/25/07	10/29/07																									Magnet Power Interconnect & Test																																			
LN07060220	Controls Interconnect & Test	3	11/02/07	11/06/07																									Controls Interconnect & Test																																			
LN07060225	Interconnect Vacuum System & Test	3	11/07/07	11/09/07																									Interconnect Vacuum System & Test																																			
LN07060230	Perform Magnet Power Test	2	11/12/07	11/13/07																									Perform Magnet Power Test																																			
LN07060235	Perform Diagnostics Controls Test	3	11/14/07	11/16/07																									Perform Diagnostics Controls Test																																			
LN07060245	Coordinate & Check Installation	8	11/19/07	11/30/07																									Coordinate & Check Installation																																			
LN07060250	AVAIL: LTU Equipment Installation Complete	0		11/30/07																									AVAIL: LTU Equipment Installation Complete																																			
<b>1.03.07.07 Linac E-Dump System Installation &amp; Alignment</b>																																																																
LN07070010	Create/Review Dwgs & Identify Installation Hdwr	20	10/03/05	10/28/05																									Create/Review Dwgs & Identify Installation Hdwr																																			
LN07070020	Review Drawings & Identify Installation Tooling	20	10/03/05	10/28/05																									Review Drawings & Identify Installation Tooling																																			
LN07070000	Establish & Maintain Component Storage Facility	250	10/03/05	09/28/06																									Establish & Maintain Component Storage Facility																																			
LN0707	LINAC E-DUMP SYSTEM INSTALLATION SUMMARY	437	10/03/05	06/27/07																									LINAC E-DUMP SYSTEM INSTALLATION SUMMARY																																			
LN07070015	Procure Installation Hardware	250	10/31/05	10/26/06																									Procure Installation Hardware																																			
LN07070025	Procure Installation Tooling	250	10/31/05	10/26/06																									Procure Installation Tooling																																			
LN07070030	Kit New Components for Installation	20	10/27/06	11/27/06																									Kit New Components for Installation																																			
LN07070005	REQD: E-Dump Available for Pre-Install Preps	0		04/19/07																									REQD: E-Dump Available for Pre-Install Preps																																			
LN07070035	REQD: All E-Dump System Equip Avail for Install	0		04/19/07																									REQD: All E-Dump System Equip Avail for Install																																			
LN07070040	Establish Alignment Coordinates for B/L Equip	3	04/20/07	04/24/07																									Establish Alignment Coordinates for B/L Equip																																			
LN07070100	Install All Racks, Cables, Trays & Test	25	04/25/07	05/30/07																									Install All Racks, Cables, Trays & Test																																			
LN07070200	Install Beamline Components	15	05/09/07	05/30/07																									Install Beamline Components																																			
LN07070210	Align Beamline Components to Coordinate System	4	05/31/07	06/05/07																									Align Beamline Components to Coordinate System																																			
LN07070215	Magnet Power Interconnect & Test	3	06/06/07	06/08/07																									Magnet Power Interconnect & Test																																			

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.03.07.07 Linac E-Dump System Installation &amp; Alignment</b>																																																																
LN07070220	Controls Interconnect & Test	3	06/06/07	06/08/07																									Controls Interconnect & Test																																			
LN07070225	Interconnect Vacuum System & Test	3	06/06/07	06/08/07																									Interconnect Vacuum System & Test																																			
LN07070230	Perform Magnet Power Test	2	06/11/07	06/12/07																									Perform Magnet Power Test																																			
LN07070235	Perform Diagnostics Controls Test	3	06/13/07	06/15/07																									Perform Diagnostics Controls Test																																			
LN07070245	Coordinate & Check Installation	8	06/18/07	06/27/07																									Coordinate & Check Installation																																			
LN07070250	AVAIL: E-Dump Equipment Installation Complete	0		06/27/07																									AVAIL: E-Dump Equipment Installation Complete																																			
<b>1.04 UNDULATOR SYSTEM</b>																																																																
UNUN_00070	PED Funds Available	5	12/01/03A	06/07/04A	PED Funds Available																																																											
UNUN_00090	Conventional Facility Layout	0	12/05/03A																																																													
UNUN_00410	FY05 Resource Constraint	0		10/01/04*													FY05 Resource Constraint																																															
MSB_080	Delivery of Undulator 1st Articles to MMF	0		10/16/06*													Delivery of Undulator 1st Articles to MMF																																															
MSB_085	Undulator Production Units Received	0		06/29/07*													Undulator Production Units Received																																															
MSB_325	Undulator to FEH ARR Completed	0		04/30/08*																									Undulator to FEH ARR Completed																																			
MSB_165	Start Undulator Commissioning	0	06/30/08*																										Start Undulator Commissioning																																			
UN_LOE	Undulator System LOE Complete	0		09/30/08																									Undulator System LOE Complete																																			
<b>1.04.01 Undulator System Management &amp; Integration</b>																																																																
<b>1.04.01.01 Undulator System Management</b>																																																																
<b>1.04.01.01.01 Undulator System Management - Technical</b>																																																																
UN11_00005	Project Management - FY04 (PED)	151*	03/01/04A	09/30/04	Project Management - FY04 (PED)																																																											
UN11_00030	Controls System Engineering Oversight (PED)	402*	03/01/04A	09/30/05	Controls System Engineering Oversight (PED)																																																											
UN11_00050	Undulator Magnet & Support Engr Oversight (PED)	402*	03/01/04A	09/30/05	Undulator Magnet & Support Engr Oversight (PED)																																																											
UN11_00070	Vacuum Engineering Oversight (PED)	402*	03/01/04A	09/30/05	Vacuum Engineering Oversight (PED)																																																											
UN11_00090	Diagnostics Engineering Oversight (PED)	402*	03/01/04A	09/30/05	Diagnostics Engineering Oversight (PED)																																																											
UN11_00150	REQD: QA Oversight	0		07/01/04*	REQD: QA Oversight																																																											
UN11_00170	Oversee Quality Assurance - FY04 (PED)	63	07/02/04	09/30/04	Oversee Quality Assurance - FY04 (PED)																																																											
UN11_00020	Oversee Engineering and Integration - FY04 (PED)	43	08/02/04*	09/30/04	Oversee Engineering and Integration - FY04 (PED)																																																											
UN11_00175	Oversee Quality Assurance - FY05 (PED)	247	10/01/04	09/26/05	Oversee Quality Assurance - FY05 (PED)																																																											

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.04.01.01.01 Undulator System Management - Technical</b>																																																																
UN11_00025	Oversee Engineering and Integration - FY05 (PED)	251	10/01/04	09/30/05																																																												
UN11_00010	Project Management - FY05 (PED)	250	10/04/04	09/30/05																																																												
UN11_00290	Oversee Quality Assurance (CNST)	503	10/03/05	10/01/07																																																												
UN11_00200	Project Management (CNST)	564	10/03/05	01/02/08																																																												
UN11_00220	Oversee Engineering and Integration (CNST)	564	10/03/05	01/02/08																																																												
UN11_00230	Controls System Engineering Oversight (CNST)	564	10/03/05	01/02/08																																																												
UN11_00240	Undulator Magnet & Support Engr Oversight (CNS)	564	10/03/05	01/02/08																																																												
UN11_00250	Vacuum Engineering Oversight (CNST)	564	10/03/05	01/02/08																																																												
UN11_00260	Diagnostics Engineering Oversight (CNST)	564	10/03/05	01/02/08																																																												
<b>1.04.01.01.02 ANL Project Support</b>																																																																
UN11_00410	Monitor Budget, Schedule and Contracts (PED)	495	10/02/03A	02/27/04A																																																												
UN11_00430	ANL Division - PMCS Support (PED)	1,048	10/02/03A	02/27/04A																																																												
UN11_00450	ANL Division - Website Support (PED)	990	10/02/03A	02/27/04A																																																												
UN11_00400	Monitor Budget, Schedule and Contracts (PED)	402*	03/01/04A	09/30/05																																																												
UN11_00420	ANL Division - PMCS Support (PED)	402*	03/01/04A	09/30/05																																																												
UN11_00440	ANL Division - Website Support (PED)	379*	04/01/04A	09/30/05																																																												
UN11_00530	ANL Indirect Cost Allocation - FY04	106*	05/03/04A	09/30/04																																																												
UN11_00460	Provide Administrative Support (PED)	250	10/04/04	09/30/05																																																												
UN11_00540	ANL Indirect Cost Allocation - FY05	250	10/04/04	09/30/05																																																												
UN11_00550	ANL Indirect Cost Allocation - FY06	251	10/03/05	09/29/06																																																												
UN11_00300	Provide Administrative Support (CNST)	503	10/03/05	10/01/07																																																												
UN11_00520	ANL Division - Website Support (CNST)	503	10/03/05	10/01/07																																																												
UN11_00270	Monitor Budget, Schedule and Contracts (CNST)	564	10/03/05	01/02/08																																																												
UN11_00500	ANL Division - PMCS Support (CNST)	564	10/03/05	01/02/08																																																												
UN11_00560	ANL Indirect Cost Allocation - FY07	250	10/03/06	09/28/07																																																												
UN11_00570	ANL Indirect Cost Allocation - FY08	250	10/02/07	09/30/08																																																												

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	Funding											
					FY04			FY05			FY06			FY07		
<b>1.04.01.02 Undulator System Materials &amp; Supplies</b>																
<b>1.04.01.02.01 Undulator System M&amp;S - General</b>																
UN12_00010	Office Supplies and Misc Materials FY04 (PED)	151	03/01/04A	05/30/04A	Office Supplies and Misc Materials FY04 (PED)											
UN12_00020	Tele/Video Conferencing - FY04 (PED)	151*	03/01/04A	09/30/04	Tele/Video Conferencing - FY04 (PED)											
UN12_00030	CPUs and Software - FY04 (PED)	151*	03/01/04A	09/30/04	CPUs and Software - FY04 (PED)											
UN12_00025	Tele/Video Conferencing - FY05 (PED)	247	10/04/04	09/27/05	Tele/Video Conferencing - FY05 (PED)											
UN12_00035	CPUs and Software - FY05 (PED)	247	10/04/04	09/27/05	CPUs and Software - FY05 (PED)											
UN12_00015	Office Supplies and Misc Materials - FY05 (PED)	248	10/04/04	09/28/05	Office Supplies and Misc Materials - FY05 (PED)											
UN12_00040	Shipping and Storage (PED)	250	10/04/04	09/30/05	Shipping and Storage (PED)											
UN12_00050	Office Supplies and Misc Materials (CNST)	564	10/03/05	01/02/08	Office Supplies and Misc Materials (CNST)											
UN12_00060	Tele/Video Conferencing (CNST)	564	10/03/05	01/02/08	Tele/Video Conferencing (CNST)											
UN12_00070	CPUs and Software (CNST)	564	10/03/05	01/02/08	CPUs and Software (CNST)											
UN12_00080	Shipping and Storage (CNST)	564	10/03/05	01/02/08	Shipping and Storage (CNST)											
<b>1.04.01.02.02 Undulator System Travel</b>																
UN501_0040	Travel End-Of-Undulator - FY04 (PED)	186*	02/20/04A	11/10/04	Travel End-Of-Undulator - FY04 (PED)											
UN12_00100	Domestic Travel - FY04 (PED)	247	03/01/04A	04/26/04A	Domestic Travel - FY04 (PED)											
UN12_00120	Foreign Travel - FY04 (PED)	151*	03/01/04A	09/30/04	Foreign Travel - FY04 (PED)											
UN41_00030	Travel Bellows - FY04 (PED)	130*	03/15/04A	09/15/04	Travel Bellows - FY04 (PED)											
UN41_00035	Travel Bellows - FY05 (PED)	183	10/04/04	06/27/05	Travel Bellows - FY05 (PED)											
UN12_00125	Foreign Travel - FY05 (PED)	247	10/04/04	09/27/05	Foreign Travel - FY05 (PED)											
UN33_00120	Travel: Undulator Magnet Poles	288	10/04/04	11/23/05	Travel: Undulator Magnet Poles											
UN501_0050	Travel RFBPM	200	10/18/04	08/04/05	Travel RFBPM											
UN41_00020	Travel Undulator Chamber	700	11/01/04	08/14/07	Travel Undulator Chamber											
UN501_0045	Travel End-Of-Undulator - FY05 (PED)	143	11/11/04	06/09/05	Travel End-Of-Undulator - FY05 (PED)											
UN501_0020	Travel Low-Power-Diagnostics	300	11/19/04	02/02/06	Travel Low-Power-Diagnostics											
UN501_0080	Travel Cherenkov Detector	200	12/08/04	09/23/05	Travel Cherenkov Detector											
UN501_0090	Travel Radiation-Detection-Monitor	200	03/01/05	12/12/05	Travel Radiation-Detection-Monitor											

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.04.01.02.02 Undulator System Travel</b>																																																																
UN12_00110	Domestic Travel - FY05 (PED)	248	03/28/05*	03/21/06													Domestic Travel - FY05 (PED)																																															
UN41_00070	Travel Exit Section	100	08/15/05	01/06/06													Travel Exit Section																																															
UN41_00080	Travel Baking System	200	08/15/05	05/31/06													Travel Baking System																																															
UN12_00140	Foreign Travel (CNST)	564	10/03/05	01/02/08	Foreign Travel (CNST)																																																											
UN501_0030	Travel High-Power-Diagnostics	300	12/12/05	02/21/07													Travel High-Power-Diagnostics																																															
UN41_00050	Travel LDB	200	02/10/06	11/22/06													Travel LDB																																															
UN501_0110	Travel Suppl Shielding	200	02/13/06	11/27/06													Travel Suppl Shielding																																															
UN12_00130	Domestic Travel (CNST)	448*	03/22/06	01/02/08	Domestic Travel (CNST)																																																											
<b>1.04.01.03 Undulator System Reviews and Workshops</b>																																																																
UNUN_00240	Review Undulator System 1	2	03/01/04A	03/02/04A																																																												
UNUN_00450	FY04 Workshops and Meetings	64	07/01/04*	09/30/04	FY04 Workshops and Meetings																																																											
UNUN_00260	Review Undulator System 2	2	09/03/04*	09/07/04	Review Undulator System 2																																																											
UNUN_00460	FY05 Workshops and Meetings	1	10/04/04	10/04/04	FY05 Workshops and Meetings																																																											
UNUN_00270	Review Undulator System 3	2	10/04/04	10/05/04	Review Undulator System 3																																																											
UNUN_00280	Review Undulator System 4	2	10/06/04	10/07/04	Review Undulator System 4																																																											
UNUN_00470	FY06 Workshops and Meetings	1	10/03/05	10/03/05													FY06 Workshops and Meetings																																															
UNUN_00290	Review Undulator System 5	2	10/03/05	10/04/05													Review Undulator System 5																																															
UNUN_00300	Review Undulator System 6	2	10/05/05	10/06/05													Review Undulator System 6																																															
UNUN_00480	FY07 Workshops and Meetings	1	10/03/06	10/03/06																									FY07 Workshops and Meetings																																			
UNUN_00310	Review Undulator System 7	2	10/03/06	10/04/06																									Review Undulator System 7																																			
UNUN_00320	Review Undulator System 8	2	10/05/06	10/06/06																									Review Undulator System 8																																			
UNUN_00490	FY08 Workshops and Meetings	1	10/02/07	10/02/07																									FY08 Workshops and Meetings																																			
UNUN_00330	Review Undulator System 9	2	10/02/07	10/03/07																									Review Undulator System 9																																			
<b>1.04.02 Controls</b>																																																																
UNN_STARTC	Start Controls - WBS 1.04.02	0	10/01/03A																																																													



Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.04.02.01 Controls Management and Integration</b>																																																																
<b>1.04.02.01.03 Software Interface with SLAC</b>																																																																
UN21_00146	Develop software interface	140*	03/01/04A	09/15/04	■ Develop software interface																																																											
UN21_00140	Advise on overall controls system integration	151*	03/01/04A	09/30/04	■ Advise on overall controls system integration																																																											
UN21_00142	Develop timing interface	159*	03/01/04A	10/12/04	■ Develop timing interface																																																											
UN21_00148	CMPLT: Software Interface	0		09/15/04	◆ CMPLT: Software Interface																																																											
UN21_00150	Specify commercial software required	5	10/04/04	10/08/04	■ Specify commercial software required																																																											
UN21_00155	Procure commercial software	20	10/11/04	11/05/04	■ Procure commercial software																																																											
UN21_00144	CMPLT: Timing Interface	0		10/12/04	◆ CMPLT: Timing Interface																																																											
UN21_00160	Receive commercial software	1	11/08/04	11/08/04	■ Receive commercial software																																																											
<b>1.04.02.02 Motion</b>																																																																
<b>1.04.02.02.01 Fine Motion</b>																																																																
<b>1.04.02.02.01.01 Motor Interface</b>																																																																
UN22_00010	Specify prototype motor interface	10	12/23/04	01/10/05	■ Specify prototype motor interface																																																											
UN22_00020	Procure prototype motor interfaces	1	01/11/05	01/11/05	■ Procure prototype motor interfaces																																																											
UN22_00030	Receive prototype motor interfaces	20	01/12/05	02/09/05	■ Receive prototype motor interfaces																																																											
UN22_00040	RCVD: Prototyping motor interface	0		02/09/05	◆ RCVD: Prototyping motor interface																																																											
UN22_00050	Write QA procedure for Motor interface	4	02/10/05	02/15/05	■ Write QA procedure for Motor interface																																																											
UN22_00060	Prepare Bid Package for Motor interface	4	02/16/05	02/22/05	■ Prepare Bid Package for Motor interface																																																											
UN22_00070	Release RFP for Motor interface	1	10/03/05	10/03/05	■ Release RFP for Motor interface																																																											
UN22_00080	Vendor Prepare Proposal for Motor interface	10	10/04/05	10/17/05	■ Vendor Prepare Proposal for Motor interface																																																											
UN22_00090	RCV: Proposal for Motor interface	0		10/17/05	◆ RCV: Proposal for Motor interface																																																											
UN22_00100	Evaluate Proposal for Motor interface	5	10/18/05	10/24/05	■ Evaluate Proposal for Motor interface																																																											
UN22_00120	AWARD: production motor interface	1	10/25/05	10/25/05	■ AWARD: production motor interface																																																											
UN22_00130	Receive production motor interface	40	10/26/05	12/22/05	■ Receive production motor interface																																																											
UN22_00140	QA Test motor interface	10	12/23/05	01/09/06	■ QA Test motor interface																																																											
<b>1.04.02.02.01.02 Encoder Interface</b>																																																																
UN22_00150	Specify prototype encoder interface	10	12/23/04	01/10/05	■ Specify prototype encoder interface																																																											

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.04.02.02.01.02 Encoder Interface</b>																																																																
UN22_00160	Procure prototype encoder interface	1	01/11/05	01/11/05																									Procure prototype encoder interface																																			
UN22_00170	Receive prototype encoder interface	20	01/12/05	02/09/05																									■Receive prototype encoder interface																																			
UN22_00180	RCVD:Prototyping encoder interface	0		02/09/05																									◆ RCVD:Prototyping encoder interface																																			
UN22_00190	Write QA procedure for Encoder interface	4	02/10/05	02/15/05																									Write QA procedure for Encoder interface																																			
UN22_00200	Prepare Bid Package for Encoder interface	4	02/16/05	02/22/05																									Prepare Bid Package for Encoder interface																																			
UN22_00210	Release RFP for Encoder interface	1	10/03/05	10/03/05																									Release RFP for Encoder interface																																			
UN22_00220	Vendor Prepare Proposal for Encoder interface	10	10/04/05	10/17/05																									■Vendor Prepare Proposal for Encoder interface																																			
UN22_00230	RCVD: Proposal for Encoder interface	0		10/17/05																									◆ RCVD: Proposal for Encoder interface																																			
UN22_00240	Evaluate Proposal for Encoder interface	5	10/18/05	10/24/05																									Evaluate Proposal for Encoder interface																																			
UN22_00260	AWARD: production encoder interface	1	10/25/05	10/25/05																									AWARD: production encoder interface																																			
UN22_00270	Receive production encoder interface	40	10/26/05	12/22/05																									■Receive production encoder interface																																			
UN22_00280	QA Test encoder interface	10	12/23/05	01/09/06																									■QA Test encoder interface																																			
<b>1.04.02.02.01.03 Motor Driver</b>																																																																
UN22_00290	Specify prototype motor driver	5	12/23/04	01/03/05																									■Specify prototype motor driver																																			
UN22_00300	Procure prototype motor driver	1	01/04/05	01/04/05																									Procure prototype motor driver																																			
UN22_00310	Receive prototype motor driver	20	01/05/05	02/02/05																									■Receive prototype motor driver																																			
UN22_00320	RCVD:Prototyping motor driver	0		02/02/05																									◆ RCVD:Prototyping motor driver																																			
UN22_00330	Write QA procedure for motor driver	2	02/03/05	02/04/05																									Write QA procedure for motor driver																																			
UN22_00340	Prepare Bid Package for motor driver	4	02/07/05	02/10/05																									Prepare Bid Package for motor driver																																			
UN22_00350	Release RFP for motor driver	1	10/03/05	10/03/05																									Release RFP for motor driver																																			
UN22_00360	Vendor Prepare Proposal for motor driver	10	10/04/05	10/17/05																									■Vendor Prepare Proposal for motor driver																																			
UN22_00370	RCVD: Proposal for motor driver	0		10/17/05																									◆ RCVD: Proposal for motor driver																																			
UN22_00380	Evaluate Proposal for motor driver	5	10/18/05	10/24/05																									Evaluate Proposal for motor driver																																			
UN22_00400	AWARD: production motor driver	1	10/25/05	10/25/05																									AWARD: production motor driver																																			
UN22_00410	Receive production motor driver	20	10/26/05	11/22/05																									■Receive production motor driver																																			
UN22_00420	QA Motor Driver	10	11/23/05	12/08/05																									■QA Motor Driver																																			

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.04.02.02.01.04 Cabling</b>																																																																
UN22_00430	Design motor drive cables	5	02/10/05	02/16/05																									I Design motor drive cables																																			
UN22_00440	Design encoder signal cables	5	02/10/05	02/16/05																									I Design encoder signal cables																																			
UN22_00460	Specify connectors	2	02/17/05	02/18/05																									I Specify connectors																																			
UN22_00450	Specify cables	4	02/17/05	02/23/05																									I Specify cables																																			
UN22_00470	Procure prototype parts	1	02/24/05	02/24/05																									I Procure prototype parts																																			
UN22_00480	Receive prototype parts	25	02/25/05	03/31/05																									■ Receive prototype parts																																			
UN22_00490	Assemble prototype cables	5	04/01/05	04/07/05																									I Assemble prototype cables																																			
UN22_00500	Test prototype cables	5	04/08/05	04/14/05																									I Test prototype cables																																			
UN22_00510	CMPLT: Prototype cables	0		04/14/05																									◆ CMPLT: Prototype cables																																			
UN22_00520	Specify production cables	10	04/15/05	04/28/05																									■ Specify production cables																																			
UN22_00530	Write QA procedure for production cables	2	04/29/05	05/02/05																									I Write QA procedure for production cables																																			
UN22_00540	Prepare Bid Package for production cables	5	05/03/05	05/09/05																									I Prepare Bid Package for production cables																																			
UN22_00550	Release RFP for production cables	1	10/03/05	10/03/05																									I Release RFP for production cables																																			
UN22_00560	Vendor Prepare Proposal for production cables	10	10/04/05	10/17/05																									■ Vendor Prepare Proposal for production cables																																			
UN22_00570	RCVD: Proposal for production cables	0		10/17/05																									◆ RCVD: Proposal for production cables																																			
UN22_00580	Evaluate Proposal for production cables	5	10/18/05	10/24/05																									I Evaluate Proposal for production cables																																			
UN22_00600	AWARD: production cables	1	10/25/05	10/25/05																									I AWARD: production cables																																			
UN22_00610	Receive production cables	30	10/26/05	12/08/05																									■ Receive production cables																																			
UN22_00620	QA Test production cables	10	12/09/05	12/22/05																									I QA Test production cables																																			
<b>1.04.02.02.01.05 Integrate components</b>																																																																
UN22_00630	Write control Software Requirements Spec.	10	01/11/05	01/25/05																									■ Write control Software Requirements Spec.																																			
UN22_00640	Design control software	20	01/26/05	02/23/05																									■ Design control software																																			
UN22_00650	Write testing Software Requirements Spec.	20	02/24/05	03/23/05																									■ Write testing Software Requirements Spec.																																			
UN22_00680	Procure commercial software	1	03/24/05	03/24/05																									I Procure commercial software																																			
UN22_00700	Write control software	20	03/25/05	04/21/05																									■ Write control software																																			
UN22_00710	Test control software	10	04/22/05	05/05/05																									I Test control software																																			

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY					
					FY04	FY05	FY06	FY07	FY08	
<b>1.04.02.02.01.05 Integrate components</b>										
UN22_00720	CMPLT: Control Software	0		05/05/05						◆ CMPLT: Control Software
UN22_00760	Design prototype test setup	10	05/06/05	05/19/05						■ Design prototype test setup
UN22_00770	Prepare for design review	5	05/20/05	05/26/05						■ Prepare for design review
UN22_00780	Conduct design review	10	05/27/05	06/10/05						■ Conduct design review
UN22_00790	CMPLT: Design review	0		06/10/05						◆ CMPLT: Design review
UN22_00800	Procure integration components for prototype (	2	06/13/05	06/14/05						■ Procure integration components for prototype (
UN22_00810	Receive integration components for prototype	30	06/15/05	07/27/05						■ Receive integration components for prototype
UN22_00820	Assemble prototype	10	07/28/05	08/10/05						■ Assemble prototype
UN22_00830	CMPLT: Integrated prototype	0		08/10/05						◆ CMPLT: Integrated prototype
UN22_00840	Write integrated test procedure	5	08/11/05	08/17/05						■ Write integrated test procedure
UN22_00850	Assemble test setup	5	08/18/05	08/24/05						■ Assemble test setup
UN22_00860	Perform prototype testing	5	08/25/05	08/31/05						■ Perform prototype testing
UN22_00870	CMPLT: Integrated prototype testing	0		08/31/05						◆ CMPLT: Integrated prototype testing
UN22_00880	Write validation procedure	5	09/01/05	09/08/05						■ Write validation procedure
UN22_00890	Design installation layout and plan	20	09/09/05	10/06/05						■ Design installation layout and plan
UN22_00900	Procure production integration components	2	10/07/05	10/10/05						■ Procure production integration components
UN22_00910	Receive production integration components	30	10/11/05	11/21/05						■ Receive production integration components
UN22_00920	QA Test production integration components	10	11/22/05	12/07/05						■ QA Test production integration components
UN22_00922	RFI: Production integration components	0		12/07/05						◆ RFI: Production integration components
<b>1.04.02.02.02 Phase Corrector Motion</b>										
<b>1.04.02.02.02.01 Motor Interface</b>										
UN22_00960	Specify prototype motor interface	10	10/04/04	10/15/04						■ Specify prototype motor interface
UN22_00970	Procure prototype motor interfaces	20	10/18/04	11/12/04						■ Procure prototype motor interfaces
UN22_00980	Receive prototype motor interfaces	2	11/15/04	11/16/04						■ Receive prototype motor interfaces
UN22_00990	RCV:Prototyping motor interface	0		11/16/04						◆ RCV:Prototyping motor interface
UN22_01000	Write QA procedure for Motor interface	4	11/17/04	11/22/04						■ Write QA procedure for Motor interface

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.04.02.02.02.01 Motor Interface</b>																																																																
UN22_01010	Prepare Bid Package for motor interface	4	11/23/04	11/30/04	■ Prepare Bid Package for motor interface																																																											
UN22_01020	Release RFP for motor interface	1	10/03/05	10/03/05	■ Release RFP for motor interface																																																											
UN22_01030	Vendor Prepare Proposal for motor interface	10	10/04/05	10/17/05	■ Vendor Prepare Proposal for motor interface																																																											
UN22_01040	RCV: Proposal for motor interface	0		10/17/05	◆ RCV: Proposal for motor interface																																																											
UN22_01050	Evaluate Proposal for motor interface	5	10/18/05	10/24/05	■ Evaluate Proposal for motor interface																																																											
UN22_01070	AWARD: production motor interface	1	10/25/05	10/25/05	■ AWARD: production motor interface																																																											
UN22_01080	Receive production motor interface	20	10/26/05	11/22/05	■ Receive production motor interface																																																											
UN22_01090	QA Test motor interface	10	11/23/05	12/08/05	■ QA Test motor interface																																																											
<b>1.04.02.02.02.04 Cabling</b>																																																																
UN22_01380	Design motor drive cables	5	10/18/04	10/22/04	■ Design motor drive cables																																																											
UN22_01390	Design encoder signal cables	5	11/17/04	11/23/04	■ Design encoder signal cables																																																											
UN22_01410	Specify connectors	2	11/24/04	11/29/04	■ Specify connectors																																																											
UN22_01400	Specify cables	4	11/24/04	12/01/04	■ Specify cables																																																											
UN22_01420	Procure prototype parts	25	12/02/04	01/10/05	■ Procure prototype parts																																																											
UN22_01430	Receive prototype parts	2	01/11/05	01/12/05	■ Receive prototype parts																																																											
UN22_01440	Assemble prototype cables	5	01/13/05	01/20/05	■ Assemble prototype cables																																																											
UN22_01450	Test prototype cables	5	01/21/05	01/27/05	■ Test prototype cables																																																											
UN22_01460	CMPLT: Prototype cables	0		01/27/05	◆ CMPLT: Prototype cables																																																											
UN22_01470	Specify production cables	10	01/28/05	02/10/05	■ Specify production cables																																																											
UN22_01480	Write QA procedure for production cables	2	02/11/05	02/14/05	■ Write QA procedure for production cables																																																											
UN22_01490	Prepare Bid Package for production cables	5	02/15/05	02/22/05	■ Prepare Bid Package for production cables																																																											
UN22_01500	Release RFP for production cables	1	10/03/05	10/03/05	■ Release RFP for production cables																																																											
UN22_01510	Vendor Prepare Proposal for production cables	10	10/04/05	10/17/05	■ Vendor Prepare Proposal for production cables																																																											
UN22_01520	RCV: Proposal for production cables	0		10/17/05	◆ RCV: Proposal for production cables																																																											
UN22_01530	Evaluate Proposal for production cables	5	10/18/05	10/24/05	■ Evaluate Proposal for production cables																																																											
UN22_01550	AWARD: production cables	1	10/25/05	10/25/05	■ AWARD: production cables																																																											

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.04.02.02.02.04 Cabling</b>																																																																
UN22_01560	Receive production cables	30	10/26/05	12/08/05																									■ Receive production cables																																			
UN22_01570	QA Test production cables	10	12/09/05	12/22/05																									■ QA Test production cables																																			
<b>1.04.02.02.02.05 Integrate components</b>																																																																
UN22_01580	Write control Software Requirements Spec.	15	10/18/04	11/05/04																									■ Write control Software Requirements Spec.																																			
UN22_01590	Design control software	30	11/08/04	12/21/04																									■ Design control software																																			
UN22_01650	Write control software	30	12/22/04	02/07/05																									■ Write control software																																			
UN22_01660	Test control software	10	02/08/05	02/22/05																									■ Test control software																																			
UN22_01670	CMPLT: Control Software	0		02/22/05																									◆ CMPLT: Control Software																																			
UN22_01710	Design prototype test setup	10	02/23/05	03/08/05																									■ Design prototype test setup																																			
UN22_01720	Prepare for design review - hardware	5	03/09/05	03/15/05																									■ Prepare for design review - hardware																																			
UN22_01730	Prepare for design review - software	10	03/16/05	03/29/05																									■ Prepare for design review - software																																			
UN22_01740	Conduct design review	0		03/29/05																									◆ Conduct design review																																			
UN22_01750	Procure integration components for prototype (	30	03/30/05	05/10/05																									■ Procure integration components for prototype (																																			
UN22_01760	Receive integration components for prototype	3	05/11/05	05/13/05																									■ Receive integration components for prototype																																			
UN22_01770	Assemble prototype	10	05/16/05	05/27/05																									■ Assemble prototype																																			
UN22_01780	CMPLT: Integrated prototype	0		05/27/05																									◆ CMPLT: Integrated prototype																																			
UN22_01790	Write integrated test procedure	5	05/31/05	06/06/05																									■ Write integrated test procedure																																			
UN22_01800	Assemble test setup	5	06/07/05	06/13/05																									■ Assemble test setup																																			
UN22_01810	Perform prototype testing	5	06/14/05	06/20/05																									■ Perform prototype testing																																			
UN22_01820	CMPLT: Integrated prototype testing	0		06/20/05																									◆ CMPLT: Integrated prototype testing																																			
UN22_01830	Write validation procedure	5	06/21/05	06/27/05																									■ Write validation procedure																																			
UN22_01840	Design installation layout and plan	20	06/28/05	07/26/05																									■ Design installation layout and plan																																			
UN22_01850	Procure production integration components	2	10/03/05	10/04/05																									■ Procure production integration components																																			
UN22_01860	Receive production integration components	30	10/05/05	11/15/05																									■ Receive production integration components																																			
UN22_01870	QA Test production integration components	10	11/16/05	12/01/05																									■ QA Test production integration components																																			
UN22_01872	RFI: Production integration components	0		12/01/05																									◆ RFI: Production integration components																																			

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.04.02.02.06 Scanning Wire Motion</b>																																																																
<b>1.04.02.02.06.01 Motor Interface</b>																																																																
UN22_02860	Specify prototype motor interface	10	12/23/04	01/11/05																																																												
<b>1.04.02.02.06.05 Integrate components</b>																																																																
UN22_03790	RFI: Production Integration Components	0		05/28/04	◆ RFI: Production Integration Components																																																											
UNSL_0001	REQD: 11 SWA Assemblies from SLAC	1	01/12/05	01/12/05													◆ REQD: 11 SWA Assemblies from SLAC																																															
UN22_03430	Write control software	20	01/12/05	02/10/05													◆ Write control software																																															
UN22_03590	Perform prototype testing	5	03/16/05	03/22/05													◆ Perform prototype testing																																															
UN22_03600	CMPLT: Integrated prototype testing	0		03/22/05													◆ CMPLT: Integrated prototype testing																																															
UN22_03610	Write validation procedure	5	03/23/05	03/29/05													◆ Write validation procedure																																															
UN22_03620	Design installation layout and plan	20	03/30/05	04/26/05													◆ Design installation layout and plan																																															
UN22_03630	Procure production integration components	2	10/03/05	10/04/05																									◆ Procure production integration components																																			
UN22_03640	Receive production integration components	30	10/05/05	11/15/05																									◆ Receive production integration components																																			
<b>1.04.02.02.07 Macroscopic Motion</b>																																																																
<b>1.04.02.02.07.01 Motor Interface</b>																																																																
UN22_03690	Specify prototype motor interface	10	01/31/05	02/14/05													◆ Specify prototype motor interface																																															
UN22_03700	Procure prototype motor interfaces	20	02/15/05	03/16/05													◆ Procure prototype motor interfaces																																															
UN22_03710	Receive prototype motor interfaces	2	03/17/05	03/21/05													◆ Receive prototype motor interfaces																																															
UN22_03720	RCV:Prototyping motor interface	0		03/21/05													◆ RCV:Prototyping motor interface																																															
UN22_03730	Write QA procedure for Motor interface	4	03/22/05	03/25/05													◆ Write QA procedure for Motor interface																																															
UN22_03740	Prepare Bid Package for motor interface	4	03/28/05	03/31/05													◆ Prepare Bid Package for motor interface																																															
UN22_03750	Release RFP for motor interface	1	10/03/05	10/03/05																									◆ Release RFP for motor interface																																			
UN22_03760	Vendor Prepare Proposal for motor interface	10	10/04/05	10/17/05													◆ Vendor Prepare Proposal for motor interface																																															
UN22_03770	RCV: Proposal for motor interface	0		10/17/05													◆ RCV: Proposal for motor interface																																															
UN22_03780	Evaluate Proposal for motor interface	5	10/18/05	10/24/05													◆ Evaluate Proposal for motor interface																																															
UN22_03800	AWARD: production motor interface	1	10/25/05	10/25/05													◆ AWARD: production motor interface																																															
UN22_03810	Receive production motor interface	20	10/26/05	11/22/05													◆ Receive production motor interface																																															
UN22_03820	QA Test motor interface	10	11/23/05	12/08/05													◆ QA Test motor interface																																															

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.04.02.02.07.03 Motor Driver</b>																																																																
UN22_03970	Specify prototype motor driver	5	01/31/05	02/07/05																																																												
UN22_03980	Procure prototype motor driver	20	02/08/05	03/09/05																																																												
UN22_03990	Receive prototype motor driver	2	03/10/05	03/14/05																																																												
UN22_04000	RCV:Prototyping driver	0		03/14/05																																																												
UN22_04010	Write QA Procedure for Motor Driver	4	03/15/05	03/18/05																																																												
UN22_04020	Prepare Bid Pkg for Driver Interface	4	03/21/05	03/24/05																																																												
UN22_04080	Release RFP for production motor driver	10	10/03/05	10/14/05																																																												
UN22_04081	Vendor Prepare Proposal for Driver interface	10	10/17/05	10/28/05																																																												
UN22_04082	RCV: Proposal for Driver interface	0		10/28/05																																																												
UN22_04083	Evaluate Proposal for Driver Interface	5	10/31/05	11/04/05																																																												
UN22_04084	AWARD: production driver interface	1	11/07/05	11/07/05																																																												
UN22_04090	Receive production motor driver	20	11/08/05	12/07/05																																																												
UN22_04100	QA Motor Driver	10	12/08/05	12/21/05																																																												
<b>1.04.02.02.07.04 Cabling</b>																																																																
UN22_04110	Design motor drive cables	5	03/22/05	03/28/05																																																												
UN22_04140	Specify connectors	2	03/29/05	03/31/05																																																												
UN22_04130	Specify cables	4	03/29/05	04/01/05																																																												
UN22_04150	Procure prototype parts	25	04/04/05	05/09/05																																																												
UN22_04160	Receive prototype parts	2	05/10/05	05/12/05																																																												
UN22_04170	Assemble prototype cables	5	05/13/05	05/20/05																																																												
UN22_04180	Test prototype cables	5	05/23/05	05/31/05																																																												
UN22_04190	CMPLT: Prototype cables	0		05/31/05																																																												
UN22_04200	Specify production cables	10	06/01/05	06/14/05																																																												
UN22_04210	Write QA procedure for production cables	2	06/15/05	06/17/05																																																												
UN22_04220	Prepare Bid Package for production cables	5	06/20/05	06/24/05																																																												
UN22_04230	Release RFP for production cables	1	10/03/05	10/03/05																																																												



Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.04.02.02.07.04 Cabling</b>																																																																
UN22_04240	Vendor Prepare Proposal for production cables	10	10/04/05	10/17/05																																																												
UN22_04250	RCV: Proposal for production cables	0		10/17/05																																																												
UN22_04260	Evaluate Proposal for production cables	5	10/18/05	10/24/05																																																												
UN22_04280	AWARD: production cables	1	10/25/05	10/25/05																																																												
UN22_04290	Receive production cables	30	10/26/05	12/08/05																																																												
UN22_04300	QA Test production cables	10	12/09/05	12/22/05																																																												
<b>1.04.02.02.07.05 Integrate components</b>																																																																
UN22_04310	Write control Software Requirements Spec.	10	02/15/05	03/02/05																																																												
UN22_04320	Design control software	20	03/03/05	03/31/05																																																												
UN22_04380	Write control software	20	04/01/05	04/29/05																																																												
UN22_04400	CMPLT: Control Software	0		04/29/05																																																												
UN22_04440	Design prototype test setup	10	05/02/05	05/13/05																																																												
UN22_04450	Prepare for design review - hardware	5	05/16/05	05/20/05																																																												
UN22_04460	Prepare for design review - software	10	05/23/05	06/07/05																																																												
UN22_04470	Conduct design review	0		06/07/05																																																												
UN22_04480	Procure integration components for prototype (	30	06/08/05	07/21/05																																																												
UN22_04490	Receive integration components for prototype	3	07/22/05	07/27/05																																																												
UN22_04500	Assemble prototype	10	07/28/05	08/10/05																																																												
UN22_04510	CMPLT: Integrated prototype	0		08/10/05																																																												
UN22_04520	Write integrated test procedure	5	08/11/05	08/17/05																																																												
UN22_04530	Assemble test setup	5	08/18/05	08/24/05																																																												
UN22_04540	Perform prototype testing	5	08/25/05	08/31/05																																																												
UN22_04550	CMPLT: Integrated prototype testing	0		08/31/05																																																												
UN22_04560	Write validation procedure	5	09/01/05	09/08/05																																																												
UN22_04570	Design installation layout and plan	20	09/09/05	10/06/05																																																												
UN22_04580	Procure production integration components	2	10/07/05	10/10/05																																																												

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.04.02.02.07.05 Integrate components</b>																																																																
UN22_04590	Receive production integration components	30	10/11/05	11/21/05																																																	■ Receive production integration components											
UN22_04600	QA Test production integration components	10	11/22/05	12/07/05																																																	■ QA Test production integration components											
<b>1.04.02.03 Signal Analysis</b>																																																																
<b>1.04.02.03.01 RFBPM</b>																																																																
<b>1.04.02.03.01.02 Signal Acquisition</b>																																																																
UN23_00115	REQD: LINAC RFBPM Design	0		09/13/05																																																	◆ REQD: LINAC RFBPM Design											
UN23_00120	Specify prototype A/D interface	10	09/14/05	09/27/05																																																	■ Specify prototype A/D interface											
UN23_00130	Procure prototype A/D interfaces	1	09/28/05	09/28/05																																																	Procure prototype A/D interfaces											
UN23_00140	Receive prototype A/D interfaces	20	09/29/05	10/26/05																																																	■ Receive prototype A/D interfaces											
UN23_00150	Assemble prototype	10	10/27/05	11/09/05																																																	■ Assemble prototype											
UN23_00160	Prototype testing	10	11/10/05	11/23/05																																																	■ Prototype testing											
UN23_00170	CMPLT: Prototyping A/D interface	0		11/23/05																																																	◆ CMPLT: Prototyping A/D interface											
UN23_00180	Write QA procedure for A/D interface	4	11/28/05	12/01/05																																																	■ Write QA procedure for A/D interface											
UN23_00190	Prepare Bid Package for A/D interface	4	12/02/05	12/07/05																																																	■ Prepare Bid Package for A/D interface											
UN23_00200	Release RFP for A/D interface	1	12/08/05	12/08/05																																																	■ Release RFP for A/D interface											
UN23_00210	Vendor Prepare Proposal for A/D interface	10	12/09/05	12/22/05																																																	■ Vendor Prepare Proposal for A/D interface											
UN23_00220	RCV: Proposal for A/D interface	0		12/22/05																																																	◆ RCV: Proposal for A/D interface											
UN23_00230	Evaluate Proposal for A/D interface	5	12/23/05	12/30/05																																																	■ Evaluate Proposal for A/D interface											
UN23_00250	AWARD: production A/D interface	20	01/03/06	01/31/06																																																	■ AWARD: production A/D interface											
UN23_00260	Receive production A/D interface	2	02/01/06	02/02/06																																																	■ Receive production A/D interface											
UN23_00270	QA Test A/D interface	10	02/03/06	02/16/06																																																	■ QA Test A/D interface											
<b>1.04.02.03.01.03 Timing interface</b>																																																																
UN23_00275	REQD: LINAC RFBPM Design	0		09/13/05																																																	◆ REQD: LINAC RFBPM Design											
UN23_00280	Design timing electronics	100	09/14/05	02/07/06																																																	■ Design timing electronics											
UN23_00281	Prepare for Design Review	10	02/08/06	02/22/06																																																	■ Prepare for Design Review											
UN23_00290	Conduct Timing I/F Design Review	5	02/23/06	03/01/06																																																	■ Conduct Timing I/F Design Review											

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.04.02.03.01.04 Cabling</b>																																																																
UN23_00475	REQD: LINAC RFBPM Design	0		09/13/05																																																												
UN23_00480	Specify cables	5	09/14/05	09/20/05																																																												
UN23_00500	Procure prototype parts	1	09/21/05	09/21/05																																																												
UN23_00510	Receive prototype parts	20	09/22/05	10/19/05																																																												
UN23_00520	Assemble prototype cables	10	10/20/05	11/02/05																																																												
UN23_00530	Test prototype cables	10	11/03/05	11/16/05																																																												
UN23_00540	CMPLT: Prototype cables	0		11/16/05																																																												
UN23_00550	Specify production cables	10	11/17/05	12/02/05																																																												
UN23_00560	Write QA procedure for production cables	5	12/05/05	12/09/05																																																												
UN23_00570	Prepare Bid Package for production cables	4	12/12/05	12/15/05																																																												
UN23_00580	Release RFP for production cables	1	12/16/05	12/16/05																																																												
UN23_00590	Vendor Prepare Proposal for production cables	10	12/19/05	01/03/06																																																												
UN23_00600	RCV: Proposal for production cables	0		01/03/06																																																												
UN23_00610	Evaluate Proposal for production cables	5	01/04/06	01/10/06																																																												
UN23_00630	AWARD: Production cables	1	01/11/06	01/11/06																																																												
UN23_00640	Receive production cables	20	01/12/06	02/09/06																																																												
UN23_00650	QA Test production cables	10	02/10/06	02/24/06																																																												
<b>1.04.02.03.01.05 Integrate components</b>																																																																
UN23_00655	REQD: LINAC RFBPM Design	0		09/13/05																																																												
UNSL_0003	REQD: 33 BPM Assembly From SLAC	1	09/14/05	09/14/05																																																												
UNSL_0004	REQD: 76 Timing Boards From SLAC	1	09/14/05	09/14/05																																																												
UN23_00660	Write control Software Requirements Spec.	20	09/14/05	10/11/05																																																												
UN23_00670	Design control software	20	10/12/05	11/08/05																																																												
UN23_00680	Write testing Software Requirements Spec.	20	11/09/05	12/08/05																																																												
UN23_00690	Design testing software	10	12/09/05	12/22/05																																																												
UN23_00700	Specify commercial software required	5	12/23/05	12/30/05																																																												

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.04.02.03.01.05 Integrate components</b>																																																																
UN23_00710	Procure commercial software	1	01/03/06	01/03/06																									I Procure commercial software																																			
UN23_00720	Receive commercial software	20	01/04/06	02/01/06																									■ Receive commercial software																																			
UN23_00730	Write control software	30	02/02/06	03/16/06																									■ Write control software																																			
UN23_00740	Test control software	10	03/17/06	03/30/06																									■ Test control software																																			
UN23_00750	CMPLT: Control Software	0		03/30/06																									◆ CMPLT: Control Software																																			
UN23_00790	Design prototype test setup	5	03/31/06	04/06/06																									I Design prototype test setup																																			
UN23_00800	Prepare for design review	5	04/07/06	04/13/06																									I Prepare for design review																																			
UN23_00820	Conduct design review	2	04/14/06	04/17/06																									I Conduct design review																																			
UN23_00830	Procure integration components for prototype (	1	04/18/06	04/18/06																									I Procure integration components for prototype																																			
UN23_00840	Receive integration components for prototype	20	04/19/06	05/16/06																									■ Receive integration components for prototyp																																			
UN23_00850	Assemble prototype	20	05/17/06	06/14/06																									■ Assemble prototype																																			
UN23_00860	CMPLT: Integrated prototype	0		06/14/06																									◆ CMPLT: Integrated prototype																																			
UN23_00870	Write integrated test procedure	2	06/15/06	06/16/06																									I Write integrated test procedure																																			
UN23_00880	Assemble test setup	2	06/19/06	06/20/06																									I Assemble test setup																																			
UN23_00890	Perform prototype testing	2	06/21/06	06/22/06																									I Perform prototype testing																																			
UN23_00900	CMPLT: Integrated prototype testing	0		06/22/06																									◆ CMPLT: Integrated prototype testing																																			
UN23_00910	Write validation procedure	5	06/23/06	06/29/06																									I Write validation procedure																																			
UN23_00920	Design installation layout and plan	20	06/30/06	07/28/06																									■ Design installation layout and plan																																			
UN23_00921	Prepare Bid Pkg for production integration com	4	07/31/06	08/03/06																									I Prepare Bid Pkg for production integrati																																			
UN23_00922	Release RFP for production integration comp	1	08/04/06	08/04/06																									I Release RFP for production integration																																			
UN23_00923	Vendor Prepare Prop for production integrat co	10	08/07/06	08/18/06																									I Vendor Prepare Prop for production inte																																			
UN23_00924	RCV: Proposal for production integration comp	0		08/18/06																									◆ RCV: Proposal for production integrat																																			
UN23_00925	Evaluate Prop for production integration comp	5	08/21/06	08/25/06																									I Evaluate Prop for production integratio																																			
UN23_00930	AWARD: production integration components	1	08/28/06	08/28/06	AWARD: production integration components																																																											
UN23_00940	Receive production integration components	20	08/29/06	09/26/06	Receive production integration component												■																																															
UN23_00950	QA Test production integration components	10	09/27/06	10/10/06	QA Test production integration component												■																																															

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.04.02.03.02 Charge Monitor</b>																																																																
<b>1.04.02.03.02.03 Integrate components</b>																																																																
UN23_01285	REQD: LINAC Toroid Design	0		08/29/05																																																												
UNSL_0005	REQD: 2 Charge Monitors From SLAC	1	08/30/05	08/30/05																																																												
UN23_01290	Write control Software Requirements Spec.	20	08/30/05	09/27/05																																																												
UN23_01300	Design control software	20	09/28/05	10/25/05																																																												
UN23_01360	Write control software	30	10/26/05	12/08/05																																																												
UN23_01370	Test control software	10	12/09/05	12/22/05																																																												
UN23_01380	CMPLT: Control Software	0		12/22/05																																																												
UN23_01420	Design prototype test setup	5	12/23/05	12/30/05																																																												
UN23_01430	Prepare for design review	10	01/03/06	01/17/06																																																												
UN23_01450	Conduct design review	2	01/18/06	01/19/06																																																												
UN23_01460	Procure integration components for prototype (	1	01/20/06	01/20/06																																																												
UN23_01470	Receive integration components for prototype	20	01/23/06	02/17/06																																																												
UN23_01480	Assemble prototype	20	02/21/06	03/20/06																																																												
UN23_01490	CMPLT: Integrated prototype	0		03/20/06																																																												
UN23_01500	Write integrated test procedure	2	03/21/06	03/22/06																																																												
UN23_01510	Assemble test setup	2	03/23/06	03/24/06																																																												
UN23_01520	Perform prototype testing	2	03/27/06	03/28/06																																																												
UN23_01530	CMPLT: Integrated prototype testing	0		03/28/06																																																												
UN23_01540	Write validation procedure	5	03/29/06	04/04/06																																																												
UN23_01550	Design installation layout and plan	20	04/05/06	05/02/06																																																												
UN23_01551	Prepare Bid Package for product integration co	4	05/03/06	05/08/06																																																												
UN23_01552	Release RFP for production integration comp	1	05/09/06	05/09/06																																																												
UN23_01553	Vendor Prepare Prop for product integration co	10	05/10/06	05/23/06																																																												
UN23_01554	RCV: Proposal for production integration comp	0		05/23/06																																																												
UN23_01555	Evaluate Proposal for production integration comp	5	05/24/06	05/31/06																																																												

◆ REQD: LINAC Toroid Design  
 IREQD: 2 Charge Monitors From SLAC  
 ■ Write control Software Requirements Spec.  
 ■ Design control software  
 ■ Write control software  
 ■ Test control software  
 ◆ CMPLT: Control Software  
 ■ Design prototype test setup  
 ■ Prepare for design review  
 IConduct design review  
 IProcure integration components for prototype (  
 ■ Receive integration components for prototype  
 ■ Assemble prototype  
 ◆ CMPLT: Integrated prototype  
 IWrite integrated test procedure  
 IAssemble test setup  
 IPerform prototype testing  
 ◆ CMPLT: Integrated prototype testing  
 IWrite validation procedure  
 ■ Design installation layout and plan  
 IPrepare Bid Package for product integration  
 IRelease RFP for production integration comp  
 IVendor Prepare Prop for product integration  
 ◆ RCV: Proposal for production integration c  
 IEvaluate Proposal for production integration c

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.04.02.03.02.03 Integrate components</b>																																																																
UN23_01560	AWARD: production integration components	1	06/01/06	06/01/06	AWARD: production integration components																																																											
UN23_01570	Receive production integration components	20	06/02/06	06/29/06	■ Receive production integration componen																																																											
UN23_01580	QA Test production integration components	10	06/30/06	07/14/06	■ QA Test production integration componer																																																											
<b>1.04.02.03.03 Scanning Wire</b>																																																																
<b>1.04.02.03.03.06 Integrate components</b>																																																																
UN23_02375	REQD: LINAC Wire Scanner Design	0		06/07/05	◆ REQD: LINAC Wire Scanner Design																																																											
UNSL_0002	REQD: 11 SWA Analog Electronics From SLAC	1	06/08/05	06/08/05	■ REQD: 11 SWA Analog Electronics From SLAC																																																											
UN23_02380	Design control software	20	06/08/05	07/06/05	■ Design control software																																																											
UN23_02440	Write control software	30	07/07/05	08/17/05	■ Write control software																																																											
UN23_02450	Test control software	10	08/18/05	08/31/05	■ Test control software																																																											
UN23_02460	CMPLT: Control Software	0		08/31/05	◆ CMPLT: Control Software																																																											
UN23_02500	Design prototype test setup	5	09/01/05	09/09/05	■ Design prototype test setup																																																											
UN23_02510	Prepare for design review	5	09/12/05	09/16/05	■ Prepare for design review																																																											
UN23_02530	Conduct design review	2	09/19/05	09/20/05	■ Conduct design review																																																											
UN23_02540	Procure integration components for prototype (	1	09/21/05	09/21/05	■ Procure integration components for prototype (																																																											
UN23_02550	Receive integration components for prototype	20	09/22/05	10/19/05	■ Receive integration components for prototype																																																											
UN23_02560	Assemble prototype	20	10/20/05	11/16/05	■ Assemble prototype																																																											
UN23_02570	CMPLT: Integrated prototype	0		11/16/05	◆ CMPLT: Integrated prototype																																																											
UN23_02580	Write integrated test procedure	2	11/17/05	11/21/05	■ Write integrated test procedure																																																											
UN23_02590	Assemble test setup	2	11/22/05	11/28/05	■ Assemble test setup																																																											
UN23_02600	Perform prototype testing	2	11/29/05	12/01/05	■ Perform prototype testing																																																											
UN23_02610	CMPLT: Integrated prototype testing	0		12/01/05	◆ CMPLT: Integrated prototype testing																																																											
UN23_02620	Write validation procedure	5	12/02/05	12/08/05	■ Write validation procedure																																																											
UN23_02630	Design installation layout and plan	20	12/09/05	01/09/06	■ Design installation layout and plan																																																											
UN23_02631	Prepare Bid Package for product integration co	4	01/10/06	01/13/06	■ Prepare Bid Package for product integration co																																																											
UN23_02632	Release RFP for production integration comp	1	01/17/06	01/17/06	■ Release RFP for production integration comp																																																											

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.04.02.03.03.06 Integrate components</b>																																																																
UN23_02633	Vendor Prepare Prop for product integration co	10	01/18/06	01/31/06																																																	█ Vendor Prepare Prop for product integration co											
UN23_02634	RCV: Proposal for production integration comp	0		01/31/06																																																	◆ RCV: Proposal for production integration comp											
UN23_02635	Evaluate Proposal for product integration comp	5	02/01/06	02/07/06																																																	█ Evaluate Proposal for product integration comp											
UN23_02640	AWARD: production integration components	1	02/08/06	02/08/06																																																	█ AWARD: production integration components											
UN23_02660	QA Test production integration components	10	02/09/06	02/24/06																																																	█ QA Test production integration components											
UN23_02650	Receive production integration components	20	02/09/06	03/09/06																																																	█ Receive production integration components											
<b>1.04.02.04 Video</b>																																																																
<b>1.04.02.04.01 OTR Monitor</b>																																																																
<b>1.04.02.04.01.01 Camera</b>																																																																
UN24_00010	Specify prototype Camera	10	01/31/05	02/11/05																																																	█ Specify prototype Camera											
UN24_00020	Procure prototype Camera	1	02/14/05	02/14/05																																																	█ Procure prototype Camera											
UN24_00030	Receive prototype Camera	20	02/15/05	03/15/05																																																	█ Receive prototype Camera											
UN24_00040	Assemble prototype	10	03/16/05	03/30/05																																																	█ Assemble prototype											
UN24_00050	Prototype testing	10	03/31/05	04/13/05																																																	█ Prototype testing											
UN24_00060	CMPLT: Prototyping Camera	0		04/13/05																																																	◆ CMPLT: Prototyping Camera											
UN24_00070	Write QA procedure for Camera	5	04/14/05	04/20/05																																																	█ Write QA procedure for Camera											
UN24_00080	Prepare Bid Package for Camera	4	04/21/05	04/26/05																																																	█ Prepare Bid Package for Camera											
UN24_00100	Vendor Prepare Proposal for Camera	10	10/03/05	10/14/05																																																	█ Vendor Prepare Proposal for Camera											
UN24_00110	RCV: Proposal for Camera	0		10/14/05																																																	◆ RCV: Proposal for Camera											
UN24_00120	Evaluate Proposal for Camera	5	10/17/05	10/21/05																																																	█ Evaluate Proposal for Camera											
UN24_00140	AWARD: production Camera	1	10/24/05	10/24/05																																																	█ AWARD: production Camera											
UN24_00150	Receive production Camera	20	10/25/05	11/21/05																																																	█ Receive production Camera											
UN24_00160	QA Test Camera	10	11/22/05	12/07/05																																																	█ QA Test Camera											
<b>1.04.02.04.01.02 Camera trigger interface</b>																																																																
UN24_00170	Specify prototype Camera interface	5	02/14/05	02/22/05																																																	█ Specify prototype Camera interface											
UN24_00180	Procure prototype Camera interfaces	1	02/23/05	02/23/05																																																	█ Procure prototype Camera interfaces											
UN24_00190	Receive prototype Camera interfaces	20	02/24/05	03/23/05																																																	█ Receive prototype Camera interfaces											

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.04.02.04.01.02 Camera trigger interface</b>																																																																
UN24_00200	Assemble prototype Camera Interface	10	03/24/05	04/07/05																									■ Assemble prototype Camera Interface																																			
UN24_00210	Prototype testing Camera Interface	10	04/08/05	04/22/05																									■ Prototype testing Camera Interface																																			
UN24_00220	CMPLT: Prototyping Camera interface	0		04/22/05																									◆ CMPLT: Prototyping Camera interface																																			
UN24_00230	Write QA procedure for Camera interface	5	04/25/05	05/02/05																									■ Write QA procedure for Camera interface																																			
UN24_00240	Prepare Bid Package for Camera Interface	4	05/03/05	05/06/05																									■ Prepare Bid Package for Camera Interface																																			
UN24_00250	Release RFP for Camera Interface	1	10/03/05	10/03/05																									■ Release RFP for Camera Interface																																			
UN24_00260	Vendor Prepare Proposal for Camera Interface	10	10/04/05	10/17/05																									■ Vendor Prepare Proposal for Camera Interface																																			
UN24_00270	RCV: Proposal for Camera Interface	0		10/17/05																									◆ RCV: Proposal for Camera Interface																																			
UN24_00280	Evaluate Proposal for Camera Interface	5	10/18/05	10/24/05																									■ Evaluate Proposal for Camera Interface																																			
UN24_00290	AWARD: Camera Interface	1	10/25/05	10/25/05																									■ AWARD: Camera Interface																																			
UN24_00310	Receive production Camera interface	20	10/26/05	11/22/05																									■ Receive production Camera interface																																			
UN24_00320	QA Test Camera interface	10	11/23/05	12/08/05																									■ QA Test Camera interface																																			
<b>1.04.02.04.01.03 Digitizer</b>																																																																
UN24_00330	Specify prototype Digitizer	10	02/23/05	03/08/05																									■ Specify prototype Digitizer																																			
UN24_00340	Procure prototype Digitizer	1	03/09/05	03/09/05																									■ Procure prototype Digitizer																																			
UN24_00350	Receive prototype Digitizer	20	03/10/05	04/06/05																									■ Receive prototype Digitizer																																			
UN24_00360	Assemble prototype	10	04/07/05	04/20/05																									■ Assemble prototype																																			
UN24_00370	Prototype testing	10	04/21/05	05/05/05																									■ Prototype testing																																			
UN24_00380	CMPLT: Prototyping Digitizer	0		05/05/05																									◆ CMPLT: Prototyping Digitizer																																			
UN24_00390	Write QA procedure for Digitizer	5	05/06/05	05/13/05																									■ Write QA procedure for Digitizer																																			
UN24_00400	Prepare Bid Package for Digitizer	4	05/16/05	05/19/05																									■ Prepare Bid Package for Digitizer																																			
UN24_00410	Release RFP for Digitizer	1	10/03/05	10/03/05																									■ Release RFP for Digitizer																																			
UN24_00420	Vendor Prepare Proposal for Digitizer	10	10/04/05	10/17/05																									■ Vendor Prepare Proposal for Digitizer																																			
UN24_00430	RCV: Proposal for Digitizer	0		10/17/05																									◆ RCV: Proposal for Digitizer																																			
UN24_00440	Evaluate Proposal for Digitizer	5	10/18/05	10/24/05																									■ Evaluate Proposal for Digitizer																																			
UN24_00460	AWARD: production Digitizer	1	10/25/05	10/25/05																									■ AWARD: production Digitizer																																			



Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.04.02.04.01.03 Digitizer</b>																																																																
UN24_00470	Receive production Digitizer	10	10/26/05	11/08/05																																					█ Receive production Digitizer																							
UN24_00480	QA Test Digitizer	10	11/09/05	11/22/05																																					█ QA Test Digitizer																							
<b>1.04.02.04.01.05 Cabling</b>																																																																
UN24_00670	Design timing signal cables	5	04/25/05	04/29/05																																					█ Design timing signal cables																							
UN24_00660	Design video feed cables	5	05/06/05	05/12/05																																					█ Design video feed cables																							
UN24_00680	Specify cables	5	05/13/05	05/19/05																																					█ Specify cables																							
UN24_00700	Procure prototype parts	1	05/20/05	05/20/05																																					█ Procure prototype parts																							
UN24_00710	Receive prototype parts	20	05/23/05	06/20/05																																					█ Receive prototype parts																							
UN24_00720	Assemble prototype cables	5	06/21/05	06/28/05																																					█ Assemble prototype cables																							
UN24_00730	Test prototype cables	10	06/29/05	07/13/05																																					█ Test prototype cables																							
UN24_00740	CMPLT: Prototype cables	0		07/13/05																																					◆ CMPLT: Prototype cables																							
UN24_00750	Specify production cables	1	07/14/05	07/15/05																																					█ Specify production cables																							
UN24_00760	Write QA procedure for production cables	4	07/18/05	07/21/05																																					█ Write QA procedure for production cables																							
UN24_00770	Prepare Bid Package for production cables	4	07/22/05	07/27/05																																					█ Prepare Bid Package for production cables																							
UN24_00780	Release RFP for production cables	1	10/03/05	10/03/05																																					█ Release RFP for production cables																							
UN24_00790	Vendor Prepare Proposal for production cables	10	10/04/05	10/17/05																																					█ Vendor Prepare Proposal for production cables																							
UN24_00800	RCV: Proposal for production cables	0		10/17/05																																					◆ RCV: Proposal for production cables																							
UN24_00810	Evaluate Proposal for production cables	5	10/18/05	10/24/05																																					█ Evaluate Proposal for production cables																							
UN24_00830	AWARD: production cables	1	10/25/05	10/25/05																																					█ AWARD: production cables																							
UN24_00840	Receive production cables	10	10/26/05	11/08/05																																					█ Receive production cables																							
UN24_00850	QA Test production cables	10	11/09/05	11/22/05																																					█ QA Test production cables																							
<b>1.04.02.04.01.06 Integrate components</b>																																																																
UN24_01110	AVAIL: OTR Monitor	0		05/28/04	◆ AVAIL: OTR Monitor																																																											
UN24_00860	Write control Software Requirements Spec.	20	03/09/05	04/05/05																																					█ Write control Software Requirements Spec.																							
UN24_00870	Design control software	20	04/06/05	05/04/05																																					█ Design control software																							
UN24_00930	Write control software	30	05/05/05	06/16/05																																					█ Write control software																							

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04 FY05 FY06 FY07 FY08																			
<b>1.04.02.04.01.06 Integrate components</b>																								
UN24_00940	Test control software	10	06/17/05	06/30/05																				
UN24_00950	CMPLT: Control Software	0		06/30/05																				
UN24_00990	Design prototype test setup	5	07/01/05	07/11/05																				
UN24_01000	Prepare for design review	5	07/12/05	07/18/05																				
UN24_01020	Conduct design review	5	07/19/05	07/25/05																				
UN24_01030	Procure integration components for prototype (	1	07/26/05	07/26/05																				
UN24_01040	Receive integration components for prototype	20	07/27/05	08/23/05																				
UN24_01050	Assemble prototype	10	08/24/05	09/08/05																				
UN24_01060	CMPLT: Integrated prototype	0		09/08/05																				
UN24_01070	Write integrated test procedure	4	09/09/05	09/14/05																				
UN24_01080	Assemble test setup	5	09/15/05	09/21/05																				
UN24_01090	Perform prototype testing	5	09/22/05	09/28/05																				
UN24_01100	CMPLT: Integrated prototype testing	0		09/28/05																				
UN24_01120	Write validation procedure	5	09/29/05	10/05/05																				
UN24_01130	Design installation layout and plan	5	10/06/05	10/12/05																				
UN24_01131	Prepare Bid Package for product integration co	4	10/13/05	10/18/05																				
UN24_01132	Release RFP for production integration comp	1	10/19/05	10/19/05																				
UN24_01133	Vendor Prepare Prop for product integration co	10	10/20/05	11/02/05																				
UN24_01134	RCV: Proposal for production integration comp	0		11/02/05																				
UN24_01135	Evaluate Proposal for production integration comp	5	11/03/05	11/09/05																				
UN24_01140	AWARD: production integration components	1	11/10/05	11/10/05																				
UN24_01150	Receive production integration components	20	11/11/05	12/12/05																				
UN24_01160	QA Test production integration components	10	12/13/05	12/28/05																				
<b>1.04.02.04.03 Observation station video</b>																								
<b>1.04.02.04.03.01 Camera</b>																								
UN24_02370	Specify prototype Camera	10	02/13/06	02/27/06																				

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.04.02.04.03.01 Camera</b>																																																																
UN24_02380	Procure prototype Camera	1	02/28/06	02/28/06																									IProcure prototype Camera																																			
UN24_02390	Receive prototype Camera	20	03/01/06	03/28/06																									■ Receive prototype Camera																																			
UN24_02400	Assemble prototype	10	03/29/06	04/11/06																									■ Assemble prototype																																			
UN24_02410	Prototype testing	5	04/12/06	04/18/06																									IPrototype testing																																			
UN24_02420	CMPLT: Prototyping Camera	0		04/18/06																									◆ CMPLT: Prototyping Camera																																			
UN24_02430	Write QA procedure for Camera	4	04/19/06	04/24/06																									IWrite QA procedure for Camera																																			
UN24_02440	Procure production Camera	1	04/25/06	04/25/06																									IProcure production Camera																																			
UN24_02450	Receive production Camera	20	04/26/06	05/23/06																									■ Receive production Camera																																			
UN24_02460	QA Test Camera	10	05/24/06	06/07/06																									■ QA Test Camera																																			
<b>1.04.02.04.03.02 Camera trigger interface</b>																																																																
UN24_02500	Assemble prototype	5	03/01/06	03/07/06																									IAssemble prototype																																			
UN24_02510	Prototype testing	10	03/08/06	03/21/06																									IPrototype testing																																			
<b>1.04.02.04.03.03 Multiplexor</b>																																																																
UN24_02570	Specify prototype Multiplexor	5	02/13/06	02/17/06																									ISpecify prototype Multiplexor																																			
UN24_02580	Procure prototype Multiplexor	1	02/21/06	02/21/06																									IProcure prototype Multiplexor																																			
UN24_02590	Receive prototype Multiplexor	20	02/22/06	03/21/06																									■ Receive prototype Multiplexor																																			
UN24_02600	Assemble prototype	5	03/22/06	03/28/06																									IAssemble prototype																																			
UN24_02610	Prototype testing	5	03/29/06	04/04/06																									IPrototype testing																																			
UN24_02620	CMPLT: Prototyping Multiplexor	0		04/04/06																									◆ CMPLT: Prototyping Multiplexor																																			
UN24_02630	Write QA procedure for Multiplexor	4	04/05/06	04/10/06																									IWrite QA procedure for Multiplexor																																			
UN24_02640	Procure production Multiplexor	1	04/11/06	04/11/06																									IProcure production Multiplexor																																			
UN24_02650	Receive production Multiplexor	10	04/12/06	04/25/06																									■ Receive production Multiplexor																																			
UN24_02660	QA Test Multiplexor	10	04/26/06	05/09/06																									■ QA Test Multiplexor																																			
<b>1.04.02.04.03.04 Cabling</b>																																																																
UN24_02670	Design video feed cables	2	03/29/06	03/30/06																									IDesign video feed cables																																			
UN24_02690	Specify cables	4	03/31/06	04/05/06																									ISpecify cables																																			
UN24_02710	Procure prototype parts	1	04/06/06	04/06/06																									IProcure prototype parts																																			



Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.04.02.04.03.05 Integrate components</b>																																																																
UN24_03080	CMPLT: Integrated prototype	0		07/07/06																																																	◆ CMPLT: Integrated prototype											
UN24_03090	Write integrated test procedure	4	07/10/06	07/13/06																																																	Write integrated test procedure											
UN24_03100	Assemble test setup	5	07/14/06	07/20/06																																																	Assemble test setup											
UN24_03110	Perform prototype testing	5	07/21/06	07/27/06																																																	Perform prototype testing											
UN24_03120	CMPLT: Integrated prototype testing	0		07/27/06																																																	◆ CMPLT: Integrated prototype testing											
UN24_03130	Write validation procedure	5	07/28/06	08/03/06																																																	Write validation procedure											
UN24_03140	Design installation layout and plan	5	08/04/06	08/10/06																																																	Design installation layout and plan											
UN24_03150	Procure production integration components	1	08/11/06	08/11/06																																																	Procure production integration components											
UN24_03160	Receive production integration components	20	08/14/06	09/11/06																																																	Receive production integration components											
UN24_03170	QA Test production integration components	10	09/12/06	09/25/06																																																	QA Test production integration components											
<b>1.04.02.05 Data Acquisition and Control</b>																																																																
<b>1.04.02.05.01 Strongback Temperature monitoring</b>																																																																
<b>1.04.02.05.01.01 Integrate components</b>																																																																
UN25_00010	Write control Software Requirements Spec	10	10/04/04	10/15/04																																																	Write control Software Requirements Spec											
UN25_00020	Design control software	10	10/18/04	10/29/04																																																	Design control software											
UN25_00080	Write control software	10	11/01/04	11/12/04																																																	Write control software											
UN25_00090	Test control software	5	11/15/04	11/19/04																																																	Test control software											
UN25_00100	CMPLT: Control Software	0		11/19/04																																																	◆ CMPLT: Control Software											
UN25_00140	Design prototype test setup	5	11/22/04	11/30/04																																																	Design prototype test setup											
UN25_00150	Prepare for design review	5	12/01/04	12/07/04																																																	Prepare for design review											
UN25_00160	Conduct design review	2	12/08/04	12/09/04																																																	Conduct design review											
UN25_00161	CMPLT: Design Review	0		12/09/04																																																	◆ CMPLT: Design Review											
UN25_00170	Procure integration components for prototype (	1	12/10/04	12/10/04																																																	Procure integration components for prototype (											
UN25_00180	Receive integration components for prototype	20	12/13/04	01/12/05																																																	Receive integration components for prototype											
UN25_00190	Assemble prototype	10	01/13/05	01/27/05																																																	Assemble prototype											
UN25_00200	CMPLT: Integrated prototype	0		01/27/05																																																	◆ CMPLT: Integrated prototype											
UN25_00210	Write integrated test procedure	2	01/28/05	01/31/05																																																	Write integrated test procedure											

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.04.02.05.01.01 Integrate components</b>																																																																
UN25_00220	Assemble test setup	2	02/01/05	02/02/05																																																												
UN25_00230	Perform prototype testing	2	02/03/05	02/04/05																																																												
UN25_00240	CMPLT: Integrated prototype testing	0		02/04/05																																																												
UN25_00250	Write validation procedure	5	02/07/05	02/11/05																																																												
UN25_00260	Design installation layout and plan	20	02/14/05	03/14/05																																																												
UN25_00261	Prepare Bid Package for product integrated com	5	03/15/05	03/21/05																																																												
UN25_00262	Release RFP for production integrated comp	1	10/03/05	10/03/05																																																												
UN25_00263	Vendor Prepare Prop for product integrated com	5	10/04/05	10/10/05																																																												
UN25_00264	RCV: Proposal for product integrated comp	0		10/10/05																																																												
UN25_00265	Evaluate Proposal for product integrated comp	5	10/11/05	10/17/05																																																												
UN25_00270	AWARD production integration components	1	10/18/05	10/18/05																																																												
UN25_00280	Receive production integration components	20	10/19/05	11/15/05																																																												
UN25_00290	QA Test production integration components	10	12/18/06	01/02/07																																																												
<b>1.04.02.06 Vacuum</b>																																																																
<b>1.04.02.06.01 Ion Pump Controller</b>																																																																
<b>1.04.02.06.01.01 Integrate components</b>																																																																
UN26_00010	Write control Software Requirements Spec.	10	04/17/06	04/28/06																																																												
UN26_00020	Design control software	10	05/01/06	05/12/06																																																												
UN26_00080	Write control software	10	05/15/06	05/26/06																																																												
UN26_00090	Test control software	5	05/30/06	06/05/06																																																												
UN26_00100	CMPLT: Control Software	0		06/05/06																																																												
UN26_00140	Design prototype test setup	5	06/06/06	06/12/06																																																												
UN26_00160	Prepare for design review	5	06/13/06	06/19/06																																																												
UN26_00170	Conduct design review	2	06/20/06	06/21/06																																																												
UN26_00171	CMPLT: Design Review	0		06/21/06																																																												
UN26_00180	Procure integration components for prototype (	1	06/22/06	06/22/06																																																												
UN26_00190	Receive integration components for prototype	30	06/23/06	08/04/06																																																												

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.04.02.06.01.01 Integrate components</b>																																																																
UN26_00200	Assemble prototype	10	08/07/06	08/18/06																																																	■ Assemble prototype											
UN26_00210	CMPLT: Integrated prototype	0		08/18/06																																																	◆ CMPLT: Integrated prototype											
UN26_00220	Write integrated test procedure	2	08/21/06	08/22/06																																																	■ Write integrated test procedure											
UN26_00230	Assemble test setup	2	08/23/06	08/24/06																																																	■ Assemble test setup											
UN26_00240	Perform prototype testing	2	08/25/06	08/28/06																																																	■ Perform prototype testing											
UN26_00250	CMPLT: Integrated prototype testing	0		08/28/06																																																	◆ CMPLT: Integrated prototype testing											
UN26_00260	Write validation procedure	5	08/29/06	09/05/06																																																	■ Write validation procedure											
UN26_00270	Design installation layout and plan	20	09/06/06	10/03/06																																																	■ Design installation layout and plan											
UN26_00271	Prepare Bid Package for product integration co	5	10/04/06	10/10/06																																																	■ Prepare Bid Package for product integration co											
UN26_00272	Release RFP for production integration comp	1	10/11/06	10/11/06																																																	■ Release RFP for production integration comp											
UN26_00273	Vendor Prepare Prop for product integration co	5	10/12/06	10/18/06																																																	■ Vendor Prepare Prop for product integration co											
UN26_00274	RCV: Proposal for product integration comp	0		10/18/06																																																	◆ RCV: Proposal for product integration comp											
UN26_00275	Evaluate Proposal for product integration comp	5	10/19/06	10/25/06																																																	■ Evaluate Proposal for product integration comp											
UN26_00280	AWARD: production integration components	1	10/26/06	10/26/06																																																	■ AWARD: production integration components											
UN26_00290	Receive production integration components	20	10/27/06	11/27/06																																																	■ Receive production integration components											
UN26_00300	QA Test production integration components	10	11/28/06	12/11/06																																																	■ QA Test production integration components											
<b>1.04.02.06.04 RGA</b>																																																																
<b>1.04.02.06.04.01 Integrate components</b>																																																																
UN26_01000	Write control Software Requirements Spec.	10	10/25/05	11/07/05																																																	■ Write control Software Requirements Spec.											
UN26_01010	Design control software	10	11/08/05	11/21/05																																																	■ Design control software											
UN26_01070	Write control software	10	11/22/05	12/07/05																																																	■ Write control software											
UN26_01080	Test control software	5	12/08/05	12/14/05																																																	■ Test control software											
UN26_01090	CMPLT: Control Software	0		12/14/05																																																	◆ CMPLT: Control Software											
UN26_01150	Prepare for design review	5	12/15/05	12/21/05																																																	■ Prepare for design review											
UN26_01160	Conduct design review	2	12/22/05	12/23/05																																																	■ Conduct design review											
UN26_01280	Receive production integration components	15	12/27/05	01/18/06																																																	■ Receive production integration components											

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.04.02.06.04.01 Integrate components</b>																																																																
UN26_01290	QA Test production integration components	10	01/19/06	02/01/06																																																	QA Test production integration components											
<b>1.04.02.07 Machine Protection</b>																																																																
<b>1.04.02.07.01 Undulator Global MPS</b>																																																																
<b>1.04.02.07.01.01 Hardware design</b>																																																																
UN27_00011	Prepare for design review	5	10/04/04	10/08/04																																																	Prepare for design review											
UN27_00010	Undulator global MPS module design	20	10/04/04	10/29/04																																																	Undulator global MPS module design											
UN27_00020	conduct design review	2	11/01/04	11/02/04																																																	conduct design review											
UN27_00030	Procure prototype MPS hardware components	1	11/03/04	11/03/04																																																	Procure prototype MPS hardware components											
UN27_00031	Receive Prototype MPS Hardware Components	25	11/04/04	12/10/04																																																	Receive Prototype MPS Hardware Components											
UN27_00040	Assemble prototype MPS hardware	10	12/13/04	12/28/04																																																	Assemble prototype MPS hardware											
UN27_00050	Test prototype MPS hardware	4	12/29/04	01/04/05																																																	Test prototype MPS hardware											
UN27_00060	CMPLT: MPS hardware	0		01/04/05																																																	CMPLT: MPS hardware											
UN27_00070	Specify production MPS hardware	5	01/05/05	01/11/05																																																	Specify production MPS hardware											
UN27_00080	Write QA procedure for production MPS hardware	5	01/12/05	01/19/05																																																	Write QA procedure for production MPS hardware											
UN27_00090	Procure production MPS hardware	1	10/03/05	10/03/05																																																	Procure production MPS hardware											
UN27_00100	Receive production and spare MPS hardware	12	10/04/06	10/19/06																																																	Receive production and spare MPS hardware											
UN27_00110	QA Test production MPS hardware	10	10/20/06	11/02/06																																																	QA Test production MPS hardware											
<b>1.04.02.07.01.02 Interface components</b>																																																																
UN27_00120	Design interface electronics	10	11/01/04	11/12/04																																																	Design interface electronics											
UN27_00121	Prepare for design review	5	11/15/04	11/19/04																																																	Prepare for design review											
UN27_00130	conduct design review	2	11/22/04	11/23/04																																																	conduct design review											
UN27_00140	Procure prototype Interface electronics compon	1	11/24/04	11/24/04																																																	Procure prototype Interface electronics compon											
UN27_00141	Receive Prototype Interface Electronics	25	11/29/04	01/05/05																																																	Receive Prototype Interface Electronics											
UN27_00150	Assemble prototype Interface electronics	10	01/06/05	01/20/05																																																	Assemble prototype Interface electronics											
UN27_00160	Test prototype Interface electronics	4	01/21/05	01/26/05																																																	Test prototype Interface electronics											
UN27_00170	CMPTL: Interface electronics	0		01/26/05																																																	CMPTL: Interface electronics											
UN27_00180	Specify production Interface electronics	5	01/27/05	02/02/05																																																	Specify production Interface electronics											



Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.04.02.07.01.02 Interface components</b>																																																																
UN27_00190	Write QA procedure for production Interface el	1	02/03/05	02/03/05																																																												
UN27_00200	Procure production Interface electronics	1	10/03/05	10/03/05																																																												
UN27_00210	Receive production Interface electronics	10	10/04/05	10/17/05																																																												
UN27_00220	QA Test production Interface electronics	10	10/18/05	10/31/05																																																												
<b>1.04.02.07.02 Cerenkov Detector</b>																																																																
<b>1.04.02.07.02.01 Signal interface</b>																																																																
UN27_00230	Design signal interface	10	12/08/04	12/21/04																																																												
UN27_00231	Prepare for design review	5	12/22/04	12/30/04																																																												
UN27_00240	conduct design review	2	01/03/05	01/04/05																																																												
UN27_00250	Procure prototype signal electronics component	1	01/05/05	01/05/05																																																												
UN27_00251	Receive Prototype Signal Electronics	25	01/06/05	02/10/05																																																												
UN27_00260	Assemble prototype signal electronics	2	02/11/05	02/14/05																																																												
UN27_00270	Test prototype signal electronics	4	02/15/05	02/18/05																																																												
UN27_00280	CMPTL: signal electronics	0		02/18/05																																																												
UN27_00290	Specify production signal electronics	2	02/22/05	02/23/05																																																												
UN27_00300	Write QA procedure for production signal elect	2	02/24/05	02/25/05																																																												
UN27_00310	AWARD: production signal electronics	1	10/03/05	10/03/05																																																												
UN27_00320	Receive production and spare signal electronic	10	10/04/06	10/17/06																																																												
UN27_00321	REC: production signal electronics	1	10/18/06	10/18/06																																																												
UN27_00330	QA Test production and spare signal electronic	10	10/19/06	11/01/06																																																												
<b>1.04.02.07.03 Gamma Ray Detector</b>																																																																
<b>1.04.02.07.03.01 Signal interface</b>																																																																
UN27_00340	Design signal interface	10	03/01/05	03/14/05																																																												
UN27_00341	Prepare for design review	5	03/15/05	03/21/05																																																												
UN27_00350	conduct design review	2	03/22/05	03/23/05																																																												
UN27_00360	Procure prototype signal electronics component	1	03/24/05	03/24/05																																																												
UN27_00361	Receive Prototype Signal Electronics Component	25	03/25/05	04/28/05																																																												

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04																												FY05																												FY06																												FY07																												FY08																											
<b>1.04.02.07.03.01 Signal interface</b>																																																																																																																																																
UN27_00370	Assemble prototype signal electronics	2	04/29/05	05/02/05																																																																																																																																												
UN27_00380	Test prototype signal electronics	4	05/03/05	05/06/05																																																																																																																																												
UN27_00390	CMPLT: signal electronics	0		05/06/05																																																																																																																																												
UN27_00400	Specify production signal electronics	2	05/09/05	05/10/05																																																																																																																																												
UN27_00410	Write QA procedure for production signal elect	2	05/11/05	05/12/05																																																																																																																																												
UN27_00420	Procure production signal electronics	1	10/03/05	10/03/05																																																																																																																																												
UN27_00430	Receive production signal electronics	10	10/04/05	10/17/05																																																																																																																																												
UN27_00440	QA Test production signal electronics	10	10/18/05	10/31/05																																																																																																																																												
<b>1.04.02.07.04 Chamber Temperature</b>																																																																																																																																																
<b>1.04.02.07.04.01 Signal interface</b>																																																																																																																																																
UN27_00450	Design signal interface	10	10/04/04	10/15/04																																																																																																																																												
UN27_00451	Prepare for design review	5	10/18/04	10/22/04																																																																																																																																												
UN27_00460	conduct design review	2	10/25/04	10/26/04																																																																																																																																												
UN27_00470	Procure prototype signal electronics component	1	10/27/04	10/27/04																																																																																																																																												
UN27_00471	Receive Prototype Signal Electronics Component	25	10/28/04	12/03/04																																																																																																																																												
UN27_00480	Assemble prototype signal electronics	2	12/06/04	12/07/04																																																																																																																																												
UN27_00490	Test prototype signal electronics	4	12/08/04	12/13/04																																																																																																																																												
UN27_00500	CMPTL: signal electronics	0		12/13/04																																																																																																																																												
UN27_00510	Specify production signal electronics	2	12/14/04	12/15/04																																																																																																																																												
UN27_00520	Write QA procedure for production signal elect	2	12/16/04	12/17/04																																																																																																																																												
UN27_00530	Procure production signal electronics	1	10/03/05	10/03/05																																																																																																																																												
UN27_00540	Receive production and spare signal electronic	10	10/04/06	10/17/06																																																																																																																																												
UN27_00550	QA Test production signal electronics	10	10/18/06	10/31/06																																																																																																																																												
<b>1.04.03 Undulator Magnet &amp; Support</b>																																																																																																																																																
UN30_START	Start of Undulator Magnet Systems WBS 1.04.03	0	05/30/03A																																																																																																																																													
UN30_28430	Undulator System Requirements Frozen	0		08/31/04*																																																																																																																																												
UN30_28420	Strongback Motion Spec	0	09/30/04*																																																																																																																																													

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.04.03 Undulator Magnet &amp; Support</b>																																																																
UN30_28440	All Undulator Magnets Ready for Installation	0		07/16/07																																																												
UN30_FINIM	Finish Undulator Magnet Systems WBS 1.04.03	0		07/19/07																																																												
MS3_UN000	All Undulator Magnets Ready for Installation	0		10/31/07*																																																												
<b>1.04.03.01 UND Magnet &amp; Support - Mgmt and Integration</b>																																																																
UN31_00010	Undulator Systems Integration	449	10/03/05	07/16/07																																																												
UN31_00040	Dev/Coord Instl/Checkout/Verif/Interface,etc D	240	08/07/06	07/19/07																																																												
<b>1.04.03.02 First Prototype Undulator &amp; Mfg Plan</b>																																																																
UN32_00010	Design 1st Prototype Undulator	118	06/01/03A	07/31/03A																																																												
UN32_00030	Final Design - 1st Prototype Undulator	145	07/31/03A	03/05/04A																																																												
UN32_00020	Design Review - 1st Prototype Undulator	0		07/31/03A																																																												
UN32_00050	Test Field Comb	102	10/01/03A	02/05/04A																																																												
UN32_00060	Assm, Meas and Tune 1st Proto w/Cant Shim	28	01/02/04A	01/30/04A																																																												
UN32_00090	Prepare Report on Measurements	10	02/02/04A	02/20/04A																																																												
UN32_00170	Complete 1st Proto CAD/PRO-E Model	160*	02/17/04A	09/30/04																																																												
UN32_00100	COMP: Report on Field Comb Measurements	0		02/27/04A																																																												
UN32_00150	COMP: Assm, Meas and Tune 1st Proto Undulator	0		02/27/04A																																																												
UN32_00305	Construct/Eval Manual Horizontal Mover/Shims	135	03/01/04A	06/30/04A																																																												
UN32_00040	Final Design Complete - 1st Prototype Undulato	0		03/05/04A																																																												
UN32_00306	Prototype Remote Mover w/New Requirements	43	07/01/04*	08/31/04																																																												
UN32_00300	COMP: Report on Cant	0		08/31/04*																																																												
<b>1.04.03.03 1st Article Undulators &amp; Long Lead Procurements</b>																																																																
<b>1.04.03.03.01 Ti Strongback (LLP)</b>																																																																
UN33_00310	Prepare for Internal Design Review	20	04/01/04A	06/18/04A																																																												
UN33_00160	Write Undulator Assembly Procedure	107*	04/01/04A	08/31/04																																																												
UN33_00270	Internal Design Review - Undulator Systems	1	06/18/04A	06/18/04A																																																												
UN33_00280	Incorporate Comments from Internal Des Rev.	29*	06/21/04A	07/30/04																																																												
UN33_10002	Prepare for Final Design Review	27	08/02/04*	09/08/04																																																												

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.04.03.03.01 Ti Strongback (LLP)</b>																																																																
UN33_10004	Final Design Review - Und Sys and Ti Strongbk	1	09/09/04	09/09/04																																																												
SSUN_0110	CRIT: Ti Strongback	0	09/10/04																																																													
UN33_10006	Incorporate Comments from Final Des Rev.	20	09/10/04	10/07/04																																																												
UN33_10020	Release RFP - Ti Strongback	1	10/08/04	10/08/04																																																												
UN33_10030	Vendor Prep Proposal - Ti Strongback	21	10/11/04	11/08/04																																																												
UN33_10040	RCV: Proposal - Ti Strongback	0		11/08/04																																																												
UN33_10050	Evaluate Proposal - Ti Strongback	5	11/09/04	11/15/04																																																												
UN33_10060	AWARD: Contract - Ti Strongback	1	11/16/04	11/16/04																																																												
UN33_10065	Vendor Procure All Ti Strongbacks	66	11/17/04	02/25/05																																																												
UN33_10070	Vendor Fab/Assy - Ti Strongback Article 01	31	02/28/05	04/11/05																																																												
UN33_10071	ACCEPT: Factory Acceptance - Ti S/B Article 01	1	04/12/05	04/12/05																																																												
UN33_10072	Permission to proceed with Ti Production	1	04/13/05	04/13/05																																																												
UN33_10073	Vendor Ship to Vendor A - Ti S/B Article 01	5	04/13/05	04/19/05																																																												
UN33_10078	Vendor Fab/Assy - Ti Strongback Article 02	21	04/14/05	05/12/05																																																												
UN33_10074	RCV: Vendor A - Ti Strongback Article 01	0		04/19/05																																																												
UN33_10075	ACCEPT: Site acceptance @ Vendor A - Ti S/B #0	1	04/20/05	04/20/05																																																												
UN33_10080	ACCEPT: Factory Acceptance - Ti S/B Article 02	1	05/12/05	05/12/05																																																												
UN33_10082	Vendor Ship - Ti S/B Article 02	5	05/13/05	05/19/05																																																												
UN33_10090	Vendor Fab/Assy - Ti Strongback Article 03	10	05/13/05	05/26/05																																																												
UN33_10084	RCV: From Vendor - Ti Strongback Article 02	0		05/19/05																																																												
UN33_10092	ACCEPT: Factory Acceptance - Ti S/B Article 03	1	05/26/05	05/26/05																																																												
UN33_10094	Vendor Ship - Ti S/B Article 03	5	05/27/05	06/03/05																																																												
UN33_10098	Vendor Fab/Assy - Ti Strongback Article 04	10	05/27/05	06/10/05																																																												
UN33_10096	RCV: From Vendor - Ti Strongback Article 03	0		06/03/05																																																												
UN33_10100	ACCEPT: Factory Acceptance - Ti S/B Article 04	1	06/10/05	06/10/05																																																												
UN33_10102	Vendor Ship - Ti S/B Article 04	5	06/13/05	06/17/05																																																												

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.04.03.03.01 Ti Strongback (LLP)</b>																																																																
UN33_10110	Vendor Fab/Assy - Ti Strongback Article 05	10	06/13/05	06/24/05																																																												
UN33_10104	RCV: From Vendor - Ti Strongback Article 04	0		06/17/05																																																												
UN33_10112	ACCEPT: Factory Acceptance - Ti S/B Article 05	1	06/24/05	06/24/05																																																												
UN33_10114	Vendor Ship - Ti S/B Article 05	5	06/27/05	07/01/05																																																												
UN33_10118	Vendor Fab/Assy - Ti Strongback Article 06	10	06/27/05	07/11/05																																																												
UN33_10116	RCV: From Vendor - Ti Strongback Article 05	0		07/01/05																																																												
UN33_10120	ACCEPT: Factory Acceptance - Ti S/B Article 06	1	07/11/05	07/11/05																																																												
UN33_10122	Vendor Ship - Ti S/B Article 06	5	07/12/05	07/18/05																																																												
UN33_10130	Vendor Fab/Assy - Ti Strongback Article 07	10	07/12/05	07/25/05																																																												
UN33_10124	RCV: From Vendor - Ti Strongback Article 06	0		07/18/05																																																												
UN33_10132	ACCEPT: Factory Acceptance - Ti S/B Article 07	1	07/25/05	07/25/05																																																												
UN33_10134	Vendor Ship - Ti S/B Article 07	5	07/26/05	08/01/05																																																												
UN33_10138	Vendor Fab/Assy - Ti Strongback Article 08	10	07/26/05	08/08/05																																																												
UN33_10136	RCV: From Vendor - Ti Strongback Article 07	0		08/01/05																																																												
UN33_10140	ACCEPT: Factory Acceptance - Ti S/B Article 08	1	08/08/05	08/08/05																																																												
UN33_10142	Vendor Ship - Ti S/B Article 08	5	08/09/05	08/15/05																																																												
UN33_10150	Vendor Fab/Assy - Ti Strongback Article 09	10	08/09/05	08/22/05																																																												
UN33_10144	RCV: From Vendor - Ti Strongback Article 08	0		08/15/05																																																												
UN33_10152	ACCEPT: Factory Acceptance - Ti S/B Article 09	1	08/22/05	08/22/05																																																												
UN33_10154	Vendor Ship - Ti S/B Article 09	5	08/23/05	08/29/05																																																												
UN33_10158	Vendor Fab/Assy - Ti Strongback Article 10	10	08/23/05	09/06/05																																																												
UN33_10156	RCV: From Vendor - Ti Strongback Article 09	0		08/29/05																																																												
UN33_10160	ACCEPT: Factory Acceptance - Ti S/B Article 10	1	09/06/05	09/06/05																																																												
UN33_10162	Vendor Ship - Ti S/B Article 10	5	09/07/05	09/13/05																																																												
UN33_10170	Vendor Fab/Assy - Ti Strongback Article 11	10	09/07/05	09/20/05																																																												
UN33_10164	RCV: From Vendor - Ti Strongback Article 10	0		09/13/05																																																												

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.04.03.03.01 Ti Strongback (LLP)</b>																																																																
UN33_10165	25% Ti Strongbacks received	0		09/13/05																																																	◆ 25% Ti Strongbacks received											
UN33_10172	ACCEPT: Factory Acceptance - Ti S/B Article 11	1	09/20/05	09/20/05																																																	IACCEPT: Factory Acceptance - Ti S/B Article 11											
UN33_10174	Vendor Ship - Ti S/B Article 11	5	09/21/05	09/27/05																																																	IVendor Ship - Ti S/B Article 11											
UN33_10178	Vendor Fab/Assy - Ti Strongback Article 12	10	09/21/05	10/04/05																																																	IVendor Fab/Assy - Ti Strongback Article 12											
UN33_10176	RCV: From Vendor - Ti Strongback Article 11	0		09/27/05																																																	◆ RCV: From Vendor - Ti Strongback Article 11											
UN33_10180	ACCEPT: Factory Acceptance - Ti S/B Article 12	1	10/04/05	10/04/05																																																	IACCEPT: Factory Acceptance - Ti S/B Article 12											
UN33_10182	Vendor Ship - Ti S/B Article 12	5	10/05/05	10/11/05																																																	IVendor Ship - Ti S/B Article 12											
UN33_10190	Vendor Fab/Assy - Ti Strongback Article 13	10	10/05/05	10/18/05																																																	IVendor Fab/Assy - Ti Strongback Article 13											
UN33_10184	RCV: From Vendor - Ti Strongback Article 12	0		10/11/05																																																	◆ RCV: From Vendor - Ti Strongback Article 12											
UN33_10192	ACCEPT: Factory Acceptance - Ti S/B Article 13	1	10/18/05	10/18/05																																																	IACCEPT: Factory Acceptance - Ti S/B Article 13											
UN33_10194	Vendor Ship - Ti S/B Article 13	5	10/19/05	10/25/05																																																	IVendor Ship - Ti S/B Article 13											
UN33_10198	Vendor Fab/Assy - Ti Strongback Article 14	10	10/19/05	11/01/05																																																	IVendor Fab/Assy - Ti Strongback Article 14											
UN33_10196	RCV: From Vendor - Ti Strongback Article 13	0		10/25/05																																																	◆ RCV: From Vendor - Ti Strongback Article 13											
UN33_10200	ACCEPT: Factory Acceptance - Ti S/B Article 14	1	11/01/05	11/01/05																																																	IACCEPT: Factory Acceptance - Ti S/B Article 14											
UN33_10202	Vendor Ship - Ti S/B Article 14	5	11/02/05	11/08/05																																																	IVendor Ship - Ti S/B Article 14											
UN33_10210	Vendor Fab/Assy - Ti Strongback Article 15	10	11/02/05	11/15/05																																																	IVendor Fab/Assy - Ti Strongback Article 15											
UN33_10204	RCV: From Vendor - Ti Strongback Article 14	0		11/08/05																																																	◆ RCV: From Vendor - Ti Strongback Article 14											
UN33_10212	ACCEPT: Factory Acceptance - Ti S/B Article 15	1	11/15/05	11/15/05																																																	IACCEPT: Factory Acceptance - Ti S/B Article 15											
UN33_10214	Vendor Ship - Ti S/B Article 15	5	11/16/05	11/22/05																																																	IVendor Ship - Ti S/B Article 15											
UN33_10218	Vendor Fab/Assy - Ti Strongback Article 16	10	11/16/05	12/01/05																																																	IVendor Fab/Assy - Ti Strongback Article 16											
UN33_10216	RCV: From Vendor - Ti Strongback Article 15	0		11/22/05																																																	◆ RCV: From Vendor - Ti Strongback Article 15											
UN33_10220	ACCEPT: Factory Acceptance - Ti S/B Article 16	1	12/01/05	12/01/05																																																	IACCEPT: Factory Acceptance - Ti S/B Article 16											
UN33_10222	Vendor Ship - Ti S/B Article 16	5	12/02/05	12/08/05																																																	IVendor Ship - Ti S/B Article 16											
UN33_10230	Vendor Fab/Assy - Ti Strongback Article 17	10	12/02/05	12/15/05																																																	IVendor Fab/Assy - Ti Strongback Article 17											
UN33_10224	RCV: From Vendor - Ti Strongback Article 16	0		12/08/05																																																	◆ RCV: From Vendor - Ti Strongback Article 16											
UN33_10232	ACCEPT: Factory Acceptance - Ti S/B Article 17	1	12/15/05	12/15/05																																																	IACCEPT: Factory Acceptance - Ti S/B Article 17											

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04				FY05				FY06				FY07				FY08					
<b>1.04.03.03.01 Ti Strongback (LLP)</b>																										
UN33_10234	Vendor Ship - Ti S/B Article 17	5	12/16/05	12/22/05																						Vendor Ship - Ti S/B Article 17
UN33_10238	Vendor Fab/Assy - Ti Strongback Article 18	10	12/16/05	12/30/05																						Vendor Fab/Assy - Ti Strongback Article 18
UN33_10236	RCV: From Vendor - Ti Strongback Article 17	0		12/22/05																						RCV: From Vendor - Ti Strongback Article 17
UN33_10240	ACCEPT: Factory Acceptance - Ti S/B Article 18	1	12/30/05	12/30/05																						ACCEPT: Factory Acceptance - Ti S/B Article 18
UN33_10242	Vendor Ship - Ti S/B Article 18	5	01/03/06	01/09/06																						Vendor Ship - Ti S/B Article 18
UN33_10250	Vendor Fab/Assy - Ti Strongback Article 19	10	01/03/06	01/17/06																						Vendor Fab/Assy - Ti Strongback Article 19
UN33_10244	RCV: From Vendor - Ti Strongback Article 18	0		01/09/06																						RCV: From Vendor - Ti Strongback Article 18
UN33_10252	ACCEPT: Factory Acceptance - Ti S/B Article 19	1	01/17/06	01/17/06																						ACCEPT: Factory Acceptance - Ti S/B Article 19
UN33_10254	Vendor Ship - Ti S/B Article 19	5	01/18/06	01/24/06																						Vendor Ship - Ti S/B Article 19
UN33_10258	Vendor Fab/Assy - Ti Strongback Article 20	10	01/18/06	01/31/06																						Vendor Fab/Assy - Ti Strongback Article 20
UN33_10256	RCV: From Vendor - Ti Strongback Article 19	0		01/24/06																						RCV: From Vendor - Ti Strongback Article 19
UN33_10260	ACCEPT: Factory Acceptance - Ti S/B Article 20	1	01/31/06	01/31/06																						ACCEPT: Factory Acceptance - Ti S/B Article 20
UN33_10262	Vendor Ship - Ti S/B Article 20	5	02/01/06	02/07/06																						Vendor Ship - Ti S/B Article 20
UN33_10270	Vendor Fab/Assy - Ti Strongback Article 21	10	02/01/06	02/14/06																						Vendor Fab/Assy - Ti Strongback Article 21
UN33_10264	RCV: From Vendor - Ti Strongback Article 20	0		02/07/06																						RCV: From Vendor - Ti Strongback Article 20
UN33_10265	50% Ti Strongbacks received	0		02/07/06																						50% Ti Strongbacks received
UN33_10272	ACCEPT: Factory Acceptance - Ti S/B Article 21	1	02/14/06	02/14/06																						ACCEPT: Factory Acceptance - Ti S/B Article 21
UN33_10274	Vendor Ship - Ti S/B Article 21	5	02/15/06	02/22/06																						Vendor Ship - Ti S/B Article 21
UN33_10278	Vendor Fab/Assy - Ti Strongback Article 22	10	02/15/06	03/01/06																						Vendor Fab/Assy - Ti Strongback Article 22
UN33_10276	RCV: From Vendor - Ti Strongback Article 21	0		02/22/06																						RCV: From Vendor - Ti Strongback Article 21
UN33_10280	ACCEPT: Factory Acceptance - Ti S/B Article 22	1	03/01/06	03/01/06																						ACCEPT: Factory Acceptance - Ti S/B Article 22
UN33_10282	Vendor Ship - Ti S/B Article 22	5	03/02/06	03/08/06																						Vendor Ship - Ti S/B Article 22
UN33_10290	Vendor Fab/Assy - Ti Strongback Article 23	10	03/02/06	03/15/06																						Vendor Fab/Assy - Ti Strongback Article 23
UN33_10284	RCV: From Vendor - Ti Strongback Article 22	0		03/08/06																						RCV: From Vendor - Ti Strongback Article 22
UN33_10292	ACCEPT: Factory Acceptance - Ti S/B Article 23	1	03/15/06	03/15/06																						ACCEPT: Factory Acceptance - Ti S/B Article 23
UN33_10294	Vendor Ship - Ti S/B Article 23	5	03/16/06	03/22/06																						Vendor Ship - Ti S/B Article 23

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.04.03.03.01 Ti Strongback (LLP)</b>																																																																
UN33_10298	Vendor Fab/Assy - Ti Strongback Article 24	10	03/16/06	03/29/06																																																	Vendor Fab/Assy - Ti Strongback Article 24											
UN33_10296	RCV: From Vendor - Ti Strongback Article 23	0		03/22/06																																																	RCV: From Vendor - Ti Strongback Article 23											
UN33_10300	ACCEPT: Factory Acceptance - Ti S/B Article 24	1	03/29/06	03/29/06																																																	ACCEPT: Factory Acceptance - Ti S/B Article 24											
UN33_10302	Vendor Ship - Ti S/B Article 24	5	03/30/06	04/05/06																																																	Vendor Ship - Ti S/B Article 24											
UN33_10310	Vendor Fab/Assy - Ti Strongback Article 25	10	03/30/06	04/12/06																																																	Vendor Fab/Assy - Ti Strongback Article 25											
UN33_10304	RCV: From Vendor - Ti Strongback Article 24	0		04/05/06																																																	RCV: From Vendor - Ti Strongback Article 24											
UN33_10312	ACCEPT: Factory Acceptance - Ti S/B Article 25	1	04/12/06	04/12/06																																																	ACCEPT: Factory Acceptance - Ti S/B Article 25											
UN33_10314	Vendor Ship - Ti S/B Article 25	5	04/13/06	04/19/06																																																	Vendor Ship - Ti S/B Article 25											
UN33_10318	Vendor Fab/Assy - Ti Strongback Article 26	10	04/13/06	04/26/06																																																	Vendor Fab/Assy - Ti Strongback Article 26											
UN33_10316	RCV: From Vendor - Ti Strongback Article 25	0		04/19/06																																																	RCV: From Vendor - Ti Strongback Article 25											
UN33_10320	ACCEPT: Factory Acceptance - Ti S/B Article 26	1	04/26/06	04/26/06																																																	ACCEPT: Factory Acceptance - Ti S/B Article											
UN33_10322	Vendor Ship - Ti S/B Article 26	5	04/27/06	05/03/06																																																	Vendor Ship - Ti S/B Article 26											
UN33_10330	Vendor Fab/Assy - Ti Strongback Article 27	10	04/27/06	05/10/06																																																	Vendor Fab/Assy - Ti Strongback Article 27											
UN33_10324	RCV: From Vendor - Ti Strongback Article 26	0		05/03/06																																																	RCV: From Vendor - Ti Strongback Article 26											
UN33_10332	ACCEPT: Factory Acceptance - Ti S/B Article 27	1	05/10/06	05/10/06																																																	ACCEPT: Factory Acceptance - Ti S/B Article											
UN33_10334	Vendor Ship - Ti S/B Article 27	5	05/11/06	05/17/06																																																	Vendor Ship - Ti S/B Article 27											
UN33_10338	Vendor Fab/Assy - Ti Strongback Article 28	10	05/11/06	05/24/06																																																	Vendor Fab/Assy - Ti Strongback Article 28											
UN33_10336	RCV: From Vendor - Ti Strongback Article 27	0		05/17/06																																																	RCV: From Vendor - Ti Strongback Article 2											
UN33_10340	ACCEPT: Factory Acceptance - Ti S/B Article 28	1	05/24/06	05/24/06																																																	ACCEPT: Factory Acceptance - Ti S/B Article											
UN33_10342	Vendor Ship - Ti S/B Article 28	5	05/25/06	06/01/06																																																	Vendor Ship - Ti S/B Article 28											
UN33_10350	Vendor Fab/Assy - Ti Strongback Article 29	10	05/25/06	06/08/06																																																	Vendor Fab/Assy - Ti Strongback Article 29											
UN33_10344	RCV: From Vendor - Ti Strongback Article 28	0		06/01/06																																																	RCV: From Vendor - Ti Strongback Article											
UN33_10352	ACCEPT: Factory Acceptance - Ti S/B Article 29	1	06/08/06	06/08/06																																																	ACCEPT: Factory Acceptance - Ti S/B Article											
UN33_10354	Vendor Ship - Ti S/B Article 29	5	06/09/06	06/15/06																																																	Vendor Ship - Ti S/B Article 29											
UN33_10358	Vendor Fab/Assy - Ti Strongback Article 30	10	06/09/06	06/22/06																																																	Vendor Fab/Assy - Ti Strongback Article 30											
UN33_10356	RCV: From Vendor - Ti Strongback Article 29	0		06/15/06																																																	RCV: From Vendor - Ti Strongback Article											



Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	Fiscal Year																		
					FY04			FY05			FY06			FY07			FY08						
<b>1.04.03.03.01 Ti Strongback (LLP)</b>																							
UN33_10360	ACCEPT: Factory Acceptance - Ti S/B Article 30	1	06/22/06	06/22/06																		ACCEPT: Factory Acceptance - Ti S/B Article 30	
UN33_10362	Vendor Ship - Ti S/B Article 30	5	06/23/06	06/29/06																		Vendor Ship - Ti S/B Article 30	
UN33_10364	RCV: From Vendor - Ti Strongback Article 30	0		06/29/06																		RCV: From Vendor - Ti Strongback Article 30	
UN33_10365	75% Ti Strongbacks received	0		06/29/06																		75% Ti Strongbacks received	
UN33_10370	Vendor Fab/Assy - Ti Strongback Article 31	10	06/30/06	07/14/06																		Vendor Fab/Assy - Ti Strongback Article 31	
MSC_UN005	CRIT: Contract - Ti Strongback	0		07/10/06																		CRIT: Contract - Ti Strongback	
UN33_10372	ACCEPT: Factory Acceptance - Ti S/B Article 31	1	07/14/06	07/14/06																		ACCEPT: Factory Acceptance - Ti S/B Article 31	
UN33_10374	Vendor Ship - Ti S/B Article 31	5	07/17/06	07/21/06																		Vendor Ship - Ti S/B Article 31	
UN33_10378	Vendor Fab/Assy - Ti Strongback Article 32	10	07/17/06	07/28/06																		Vendor Fab/Assy - Ti Strongback Article 32	
UN33_10376	RCV: From Vendor - Ti Strongback Article 31	0		07/21/06																		RCV: From Vendor - Ti Strongback Article 31	
UN33_10380	ACCEPT: Factory Acceptance - Ti S/B Article 32	1	07/28/06	07/28/06																		ACCEPT: Factory Acceptance - Ti S/B Article 32	
UN33_10382	Vendor Ship - Ti S/B Article 32	5	07/31/06	08/04/06																		Vendor Ship - Ti S/B Article 32	
UN33_10390	Vendor Fab/Assy - Ti Strongback Article 33	10	07/31/06	08/11/06																		Vendor Fab/Assy - Ti Strongback Article 33	
UN33_10384	RCV: From Vendor - Ti Strongback Article 32	0		08/04/06																		RCV: From Vendor - Ti Strongback Article 32	
UN33_10392	ACCEPT: Factory Acceptance - Ti S/B Article 33	1	08/11/06	08/11/06																		ACCEPT: Factory Acceptance - Ti S/B Article 33	
UN33_10394	Vendor Ship - Ti S/B Article 33	5	08/14/06	08/18/06																		Vendor Ship - Ti S/B Article 33	
UN33_10396	RCV: From Vendor - Ti Strongback Article 33	0		08/18/06																		RCV: From Vendor - Ti Strongback Article 33	
UN33_10021	AWARD: TI Strongback	1	10/03/06	10/03/06																		AWARD: TI Strongback	
<b>1.04.03.03.02 Magnet Blocks (LLP)</b>																							
MSC_UN010	CRIT: Start Procurement of Magnet Blocks	0	09/30/04																			CRIT: Start Procurement of Magnet Blocks	
SSUN_0115	CRIT: Magnet Blocks	0	09/30/04																			CRIT: Magnet Blocks	
UN33_20010	Prep Bid Package - Magnet Blocks	15	09/30/04	10/20/04																		Prep Bid Package - Magnet Blocks	
UN33_20020	Release RFP - Magnet Blocks	1	10/21/04	10/21/04																		Release RFP - Magnet Blocks	
UN33_20030	Vendor Prep Proposal - Magnet Blocks	20	10/22/04	11/18/04																		Vendor Prep Proposal - Magnet Blocks	
UN33_20040	RCV: Proposal - Magnet Blocks	0		11/18/04																		RCV: Proposal - Magnet Blocks	
UN33_20050	Evaluate Proposal - Magnet Blocks	5	11/19/04	11/29/04																		Evaluate Proposal - Magnet Blocks	

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.04.03.03.02 Magnet Blocks (LLP)</b>																																																																
UN33_20060	AWARD: Contract - Magnet Blocks	1	11/30/04	11/30/04	AWARD: Contract - Magnet Blocks																																																											
UN33_20070	Vendor Fab/Assy - 1st Half Magnet Blocks	75	12/01/04	03/22/05	Vendor Fab/Assy - 1st Half Magnet Blocks																																																											
UN33_20080	RCV: From Vendor - 1st Half Magnet Blocks	1	03/23/05	03/23/05	RCV: From Vendor - 1st Half Magnet Blocks																																																											
UN33_20090	Vendor Fab/Assy - 2nd Half Magnet Blocks	75	03/24/05	07/08/05	Vendor Fab/Assy - 2nd Half Magnet Blocks																																																											
UN33_20081	50% magnet blocks delivered	0		07/11/05	50% magnet blocks delivered																																																											
UN33_20100	RCV: From Vendor - 2nd Half Magnet Blocks 13/2	1	07/11/05	07/11/05	RCV: From Vendor - 2nd Half Magnet Blocks 13/2																																																											
<b>1.04.03.03.03 Magnet Poles (LLP)</b>																																																																
MSC_UN015	CRIT: Start Procurement of Magnet Poles	0	09/09/04		CRIT: Start Procurement of Magnet Poles																																																											
SSUN_0105	CRIT: Magnet Poles	0	09/09/04		CRIT: Magnet Poles																																																											
UN33_30010	Prep Bid Package - Magnet Poles	15	09/09/04	09/29/04	Prep Bid Package - Magnet Poles																																																											
UN33_30020	Release RFP - Magnet Poles	1	10/08/04	10/08/04	Release RFP - Magnet Poles																																																											
UN33_30030	Vendor Prep Proposal - Magnet Poles	20	10/11/04	11/05/04	Vendor Prep Proposal - Magnet Poles																																																											
UN33_30040	RCV: Proposal - Magnet Poles	0		11/05/04	RCV: Proposal - Magnet Poles																																																											
UN33_30050	Evaluate Proposal - Magnet Poles	5	11/08/04	11/12/04	Evaluate Proposal - Magnet Poles																																																											
UN33_30060	AWARD: Contract - Magnet Poles	1	11/15/04	11/15/04	AWARD: Contract - Magnet Poles																																																											
UN33_30070	Vendor Fab/Assy - 1st Lot Magnet Poles (1-10)	65	11/16/04	02/23/05	Vendor Fab/Assy - 1st Lot Magnet Poles (1-10)																																																											
UN33_30080	RCV: From Vendor - 1st Lot Magnet Poles (1-10)	1	02/24/05	02/24/05	RCV: From Vendor - 1st Lot Magnet Poles (1-10)																																																											
UN33_30082	Vendor Fab/Assy - 2nd Lot Magnet Poles (11-20)	65	02/24/05	05/25/05	Vendor Fab/Assy - 2nd Lot Magnet Poles (11-20)																																																											
UN33_30086	RCV: From Vendor - 2nd Lot Magnet Poles (11-20)	1	05/26/05	05/26/05	RCV: From Vendor - 2nd Lot Magnet Poles (11-20)																																																											
UN33_30096	50% magnet poles received	0		05/26/05	50% magnet poles received																																																											
UN33_30087	Vendor Fab/Assy - 3rd Lot Magnet Poles (21-30)	65	05/26/05	08/26/05	Vendor Fab/Assy - 3rd Lot Magnet Poles (21-30)																																																											
UN33_30088	RCV: From Vendor - 3rd Lot Magnet Poles (21-30)	1	08/29/05	08/29/05	RCV: From Vendor - 3rd Lot Magnet Poles (21-30)																																																											
UN33_30090	Vendor Fab/Assy - 4th Lot Magnet Poles (31-33)	65	08/29/05	11/30/05	Vendor Fab/Assy - 4th Lot Magnet Poles (31-33)																																																											
UN33_30100	RCV: From Vendor - 4th Lot Magnet Poles (31-33)	1	12/01/05	12/01/05	RCV: From Vendor - 4th Lot Magnet Poles (31-33)																																																											
<b>1.04.03.03.04 Magnet Assembly &amp; Supports - 1st Articles</b>																																																																
UN33_40010	Prep Bid Package - Magnet Assembly & Supports	42	10/21/04	12/21/04	Prep Bid Package - Magnet Assembly & Supports																																																											

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.04.03.03.04 Magnet Assembly &amp; Supports - 1st Articles</b>																																																																
UN33_40020	Release RFP - Magnet Assembly & Supports	1	12/22/04	12/22/04																																																												
UN33_40030	Vendor Prep Proposal - Magnet Assembly & Suppo	21	12/23/04	01/26/05																																																												
UN33_40040	RCV: Proposals - Magnet Assembly & Supports	0		01/26/05																																																												
UN33_40050	Evaluate Proposals - Magnet Assembly & Support	10	01/27/05	02/09/05																																																												
UN33_40110	RCV: Ti Strongback #01, Blocks, Poles, Parts	0		04/20/05																																																												
UN33_40200	RCV: Ti Strongback #02, Blocks, Poles, Parts	0		05/19/05																																																												
UN33_40060	AWARD: 1st Contract Vendor A - Mag Assy & Supp	1	11/02/05	11/02/05																																																												
UN33_40070	Vendor A Prep Fab/Assy, QA, VE Plans	21	11/03/05	12/05/05																																																												
UN33_40150	AWARD: 2nd Contract Vendor B - Mag Assy & Supp	1	11/16/05	11/16/05																																																												
UN33_40160	Vendor B Prep Fab/Assy, QA, VE Plans	21	11/17/05	12/19/05																																																												
UN33_40080	RCV: Vendor A Fab/Assy Plan	0		12/05/05																																																												
UN33_40090	Evaluate Vendor A Fab/Assy Plan	5	12/06/05	12/12/05																																																												
UN33_40092	Feedback and Comments to Vendor A	10	12/13/05	12/27/05																																																												
UN33_40170	RCV: Vendor B Fab/Assy Plan	0		12/19/05																																																												
UN33_40180	Evaluate Vendor B Fab/Assy Plan	5	12/20/05	12/27/05																																																												
UN33_40094	Approve Vendor A VE and QA Plans	1	12/28/05	12/28/05																																																												
UN33_40182	Feedback and Comments to Vendor B	10	12/28/05	01/11/06																																																												
UN33_40096	Permission to start First Article - Vendor A	1	12/29/05	12/29/05																																																												
UN33_40100	Vendor A Procure - 1st Art Mag Assy & Supp Par	52	12/30/05	03/16/06																																																												
UN33_40184	Approve Vendor B VE and QA Plans	1	01/12/06	01/12/06																																																												
UN33_40186	Permission to start First Article - Vendor B	1	01/13/06	01/13/06																																																												
UN33_40190	Vendor B Procure - 1st Art Mag Assy & Supp Par	52	01/17/06	03/30/06																																																												
UN33_40120	Vendor A Fab/Assy-Magnet #1 Assembly & Support	42	03/17/06	05/15/06																																																												
UN33_40210	Vendor B Fab/Assy-Magnet #2 Assembly & Support	42	03/31/06	05/30/06																																																												
UN33_40122	Review Vendor A travelers/data	1	05/16/06	05/16/06																																																												
UN33_40124	Factory Acceptance #01 - Vendor A	1	05/17/06	05/17/06																																																												

	Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04		FY05		FY06		FY07		FY08	
<b>1.04.03.03.04 Magnet Assembly &amp; Supports - 1st Articles</b>															
	UN33_40126	Permission to Ship to ANL Article 01 - Vendor A	1	05/18/06	05/18/06										Permission to Ship to ANL Article 01 - Vendor
	UN33_40128	Vendor A Undulator 01 Ship to ANL	5	05/19/06	05/25/06										Vendor A Undulator 01 Ship to ANL
	UN33_40140	RCV: From Vendor A-1st Article Magnet Assy/Sup	1	05/26/06	05/26/06										RCV: From Vendor A-1st Article Magnet Ass
	UN33_40230	1st Article Vendor A Undulator 1 received	0		05/26/06										◆ 1st Article Vendor A Undulator 1 received
	MS3_UN005	1st Article Vendor A Undulator 1 received	0		05/31/06*										◆ 1st Article Vendor A Undulator 1 received
	UN33_40211	Review Vendor B travelers/data	1	05/31/06	05/31/06										Review Vendor B travelers/data
	UN33_40212	Factory Acceptance #02 - Vendor B	1	06/01/06	06/01/06										Factory Acceptance #02 - Vendor B
	UN33_40213	Permission to Ship to ANL Article 02 - Vendor B	1	06/02/06	06/02/06										Permission to Ship to ANL Article 02 - Vend
	UN33_40214	Vendor B Undulator 02 Ship to ANL	5	06/05/06	06/09/06										Vendor B Undulator 02 Ship to ANL
	UN33_40220	RCV: From Vendor B - Magnet Assembly & Support	1	06/12/06	06/12/06										RCV: From Vendor B - Magnet Assembly &
	UN33_40240	1st Article Vendor B Undulator 2 received	0		06/12/06										◆ 1st Article Vendor B Undulator 2 received
	MS3_UN010	1st Article Vendor B Undulator 2 received	0		06/30/06*										◆ 1st Article Vendor B Undulator 2 received
<b>1.04.03.03.05 Magnetic Measurement (ANL or SLAC)</b>															
	UN33_00530	Mag Measure - Undulator #01 (1st Art) Vend A	21	05/30/06	06/27/06										■ Mag Measure - Undulator #01 (1st Art) Ven
	UN33_00540	COMP: Magnetic Measurement from Vendor A	0		06/27/06										◆ COMP: Magnetic Measurement from Ven
	UN33_00550	ACCEPT Vendor A Undulator #01 (1st Art) at ANL	5	06/28/06	07/05/06										ACCEPT Vendor A Undulator #01 (1st Art)
	UN33_00560	Mag Measure - Undulator #02 (1st Art) Vend B	21	06/28/06	07/27/06										■ Mag Measure - Undulator #02 (1st Art) Ve
	UN33_00552	Ship Vendor A Undulator #01 (1st Art) to SLAC	5	07/06/06	07/12/06										Ship Vendor A Undulator #01 (1st Art) to S
	UN33_00554	ACCEPT: Vendor A Undulator #01 (1st Art) at SL	0		07/12/06										◆ ACCEPT: Vendor A Undulator #01 (1st A
	UN33_00556	Undulator 01 Ready for MMF	0		07/12/06										◆ Undulator 01 Ready for MMF
	UN33_00570	COMP: Magnetic Measurement from Vendor B	0		07/27/06										◆ COMP: Magnetic Measurement from Ve
	UN33_00580	ACCEPT: Vendor B Undulator #02 (1st Art) at AN	5	07/28/06	08/03/06										ACCEPT: Vendor B Undulator #02 (1st A
	UN33_00610	Ship Vendor B Undulator #02 (1st Art) to SLAC	5	08/04/06	08/10/06										Ship Vendor B Undulator #02 (1st Art) to
	UN33_00620	ACCEPT: Vendor B Undulator #02 (1st Art) at SL	0		08/10/06										◆ ACCEPT: Vendor B Undulator #02 (1st
	UN33_00630	Undulator 02 Ready for MMF	0		08/10/06										◆ Undulator 02 Ready for MMF

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	Fiscal Year																		
					FY04			FY05			FY06			FY07			FY08						
<b>1.04.03.04 Production Undulator</b>																							
<b>1.04.03.04.01 Magnet Assembly &amp; Supports</b>																							
UN34_00066	RCV: 2nd Lot Magnet Blocks, Poles - Vend A #11	0		05/26/05																			◆ RCV: 2nd Lot Magnet Blocks, Poles - Vend A #11
UN34_10065	RCV: 2nd Lot Magnet Blocks, Poles - Vend A #12	0		05/26/05																			◆ RCV: 2nd Lot Magnet Blocks, Poles - Vend A #12
UN34_00045	RCV: Ti Strongback - Vend A #03	0		06/03/05																			◆ RCV: Ti Strongback - Vend A #03
UN34_10045	RCV: Ti Strongback - Vend B #04	0		06/17/05																			◆ RCV: Ti Strongback - Vend B #04
UN34_00053	RCV: Ti Strongback - Vend A #05	0		07/01/05																			◆ RCV: Ti Strongback - Vend A #05
UN34_10053	RCV: Ti Strongback - Vend B #06	0		07/18/05																			◆ RCV: Ti Strongback - Vend B #06
UN34_00057	RCV: Ti Strongback - Vend A #07	0		08/01/05																			◆ RCV: Ti Strongback - Vend A #07
UN34_10057	RCV: Ti Strongback - Vend B #08	0		08/15/05																			◆ RCV: Ti Strongback - Vend B #08
UN34_00061	RCV: Ti Strongback - Vend A #09	0		08/29/05																			◆ RCV: Ti Strongback - Vend A #09
UN34_00084	RCV: 3rd Lot Magnet Blocks, Poles - Vend B #21	0		08/29/05																			◆ RCV: 3rd Lot Magnet Blocks, Poles - Vend B #21
UN34_10084	RCV: 3rd Lot Magnet Blocks, Poles - Vend B #22	0		08/29/05																			◆ RCV: 3rd Lot Magnet Blocks, Poles - Vend B #22
UN34_10061	RCV: Ti Strongback - Vend B #10	0		09/13/05																			◆ RCV: Ti Strongback - Vend B #10
UN34_00065	RCV: Ti Strongback - Vend A #11	0		09/27/05																			◆ RCV: Ti Strongback - Vend A #11
UN34_10066	RCV: Ti Strongback - Vend B #12	0		10/11/05																			◆ RCV: Ti Strongback - Vend B #12
UN34_00069	RCV: Ti Strongback - Vend A #13	0		10/25/05																			◆ RCV: Ti Strongback - Vend A #13
UN34_10069	RCV: Ti Strongback - Vend B #14	0		11/08/05																			◆ RCV: Ti Strongback - Vend B #14
UN34_00073	RCV: Ti Strongback - Vend A #15	0		11/22/05																			◆ RCV: Ti Strongback - Vend A #15
UN34_00104	RCV: 4th Lot Magnet Blocks, Poles - Vend A #31	0		12/01/05																			◆ RCV: 4th Lot Magnet Blocks, Poles - Vend A #31
UN34_10108	RCV: 4th Lot Magnet Blocks, Poles - Vend A #32	0		12/01/05																			◆ RCV: 4th Lot Magnet Blocks, Poles - Vend A #32
UN34_10073	RCV: Ti Strongback - Vend B #16	0		12/08/05																			◆ RCV: Ti Strongback - Vend B #16
UN34_00075	RCV: Ti Strongback - Vend A #17	0		12/22/05																			◆ RCV: Ti Strongback - Vend A #17
UN34_10077	RCV: Ti Strongback - Vend B #18	0		01/09/06																			◆ RCV: Ti Strongback - Vend B #18
UN34_00081	RCV: Ti Strongback - Vend A #19	0		01/24/06																			◆ RCV: Ti Strongback - Vend A #19
UN34_10081	RCV: Ti Strongback - Vend B #20	0		02/07/06																			◆ RCV: Ti Strongback - Vend B #20
UN34_00085	RCV: Ti Strongback - Vend A #21	0		02/22/06																			◆ RCV: Ti Strongback - Vend A #21



Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04																								FY05																								FY06																								FY07																								FY08																							
<b>1.04.03.04.01 Magnet Assembly &amp; Supports</b>																																																																																																																												
UN34_10056	RCV: From Vendor B - Magnet Assy/Sup Article 06	1	11/02/06	11/02/06																																																																																																	RCV: From Vendor B - Magnet Assy																							
UN34_10058	Vendor B Fab/Assy - Magnet Assy/Sup Article 08	15	11/03/06	11/27/06	Vendor B Fab/Assy - Magnet Assy/Sup Article 08																																																																																																																							
UN34_00060	RCV: From Vendor A - Magnet Assy/Sup Article 07	1	11/10/06	11/10/06																																																																																																	RCV: From Vendor A - Magnet Assy																							
UN34_00062	Vendor A Fab/Assy - Magnet Assy/Sup Article 09	10	11/13/06	11/28/06	Vendor A Fab/Assy - Magnet Assy/Sup Article 09																																																																																																																							
UN34_10060	RCV: From Vendor B - Magnet Assy/Sup Article 08	1	11/28/06	11/28/06																																																																																																	RCV: From Vendor B - Magnet Ass																							
UN34_00064	RCV: From Vendor A - Magnet Assy/Sup Article 09	1	11/29/06	11/29/06	RCV: From Vendor A - Magnet Assy/Sup Article 09																																																																																																																							
UN34_10062	Vendor B Fab/Assy - Magnet Assy/Sup Article 10	10	11/29/06	12/12/06	Vendor B Fab/Assy - Magnet Assy/Sup Article 10																																																																																																																							
UN34_00067	Vendor A Fab/Assy - Magnet Assy/Sup Article 11	10	11/30/06	12/13/06	Vendor A Fab/Assy - Magnet Assy/Sup Article 11																																																																																																																							
UN34_10064	RCV: From Vendor B - Magnet Assy/Sup Article 10	1	12/13/06	12/13/06	RCV: From Vendor B - Magnet Assy/Sup Article 10																																																																																																																							
UN34_10134	25% production undulators delivered	0		12/13/06	25% production undulators delivered																																																																																																																							
UN34_00068	RCV: From Vendor A - Magnet Assy/Sup Article 11	1	12/14/06	12/14/06	RCV: From Vendor A - Magnet Assy/Sup Article 11																																																																																																																							
UN34_10067	Vendor B Fab/Assy - Magnet Assy/Sup Article 12	10	12/14/06	12/28/06	Vendor B Fab/Assy - Magnet Assy/Sup Article 12																																																																																																																							
UN34_00070	Vendor A Fab/Assy - Magnet Assy/Sup Article 13	10	12/15/06	12/29/06	Vendor A Fab/Assy - Magnet Assy/Sup Article 13																																																																																																																							
UN34_10068	RCV: From Vendor B - Magnet Assy/Sup Article 12	1	12/29/06	12/29/06	RCV: From Vendor B - Magnet Assy/Sup Article 12																																																																																																																							
UN34_00072	RCV: From Vendor A - Magnet Assy/Sup Article 13	1	01/02/07	01/02/07	RCV: From Vendor A - Magnet Assy/Sup Article 13																																																																																																																							
UN34_10070	Vendor B Fab/Assy - Magnet Assy/Sup Article 14	10	01/02/07	01/16/07	Vendor B Fab/Assy - Magnet Assy/Sup Article 14																																																																																																																							
UN34_00074	Vendor A Fab/Assy - Magnet Assy/Sup Article 15	10	01/03/07	01/17/07	Vendor A Fab/Assy - Magnet Assy/Sup Article 15																																																																																																																							
UN34_10072	RCV: From Vendor B - Magnet Assy/Sup Article 14	1	01/17/07	01/17/07	RCV: From Vendor B - Magnet Assy/Sup Article 14																																																																																																																							
UN34_00076	RCV: From Vendor A - Magnet Assy/Sup Article 15	1	01/18/07	01/18/07	RCV: From Vendor A - Magnet Assy/Sup Article 15																																																																																																																							
UN34_10074	Vendor B Fab/Assy - Magnet Assy/Sup Article 16	10	01/18/07	01/31/07	Vendor B Fab/Assy - Magnet Assy/Sup Article 16																																																																																																																							
UN34_00078	Vendor A Fab/Assy - Magnet Assy/Sup Article 17	10	01/19/07	02/01/07	Vendor A Fab/Assy - Magnet Assy/Sup Article 17																																																																																																																							
UN34_10076	RCV: From Vendor B - Magnet Assy/Sup Article 16	1	02/01/07	02/01/07	RCV: From Vendor B - Magnet Assy/Sup Article 16																																																																																																																							
UN34_00080	RCV: From Vendor A - Magnet Assy/Sup Article 17	1	02/02/07	02/02/07	RCV: From Vendor A - Magnet Assy/Sup Article 17																																																																																																																							
UN34_10078	Vendor B Fab/Assy - Magnet Assy/Sup Article 18	10	02/02/07	02/15/07	Vendor B Fab/Assy - Magnet Assy/Sup Article 18																																																																																																																							
UN34_00082	Vendor A Fab/Assy - Magnet Assy/Sup Article 19	10	02/05/07	02/16/07	Vendor A Fab/Assy - Magnet Assy/Sup Article 19																																																																																																																							
UN34_10080	RCV: From Vendor B - Magnet Assy/Sup Article 18	1	02/16/07	02/16/07	RCV: From Vendor B - Magnet Assy/Sup Article 18																																																																																																																							

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.04.03.04.01 Magnet Assembly &amp; Supports</b>																																																																
UN34_00083	RCV: From Vendor A - Magnet Assy/Sup Article 19	1	02/20/07	02/20/07	RCV: From Vendor A - Magnet Assy/Sup Article 19																																																											
UN34_10082	Vendor B Fab/Assy - Magnet Assy/Sup Article 20	10	02/20/07	03/05/07	Vendor B Fab/Assy - Magnet Assy/Sup Article 20																																																											
UN34_00086	Vendor A Fab/Assy - Magnet Assy/Sup Article 21	10	02/21/07	03/06/07	Vendor A Fab/Assy - Magnet Assy/Sup Article 21																																																											
MS3_UN015	25% production undulators received	0		02/28/07*	25% production undulators received																																																											
UN34_10083	RCV: From Vendor B - Magnet Assy/Sup Article 20	1	03/06/07	03/06/07	RCV: From Vendor B - Magnet Assy/Sup Article 20																																																											
UN34_10103	50% production undulators delivered	0		03/06/07	50% production undulators delivered																																																											
UN34_00088	RCV: From Vendor A - Magnet Assy/Sup Article 21	1	03/07/07	03/07/07	RCV: From Vendor A - Magnet Assy/Sup Article 21																																																											
UN34_10086	Vendor B Fab/Assy - Magnet Assy/Sup Article 22	10	03/07/07	03/20/07	Vendor B Fab/Assy - Magnet Assy/Sup Article 22																																																											
UN34_00090	Vendor A Fab/Assy - Magnet Assy/Sup Article 23	10	03/08/07	03/21/07	Vendor A Fab/Assy - Magnet Assy/Sup Article 23																																																											
UN34_10088	RCV: From Vendor B - Magnet Assy/Sup Article 22	1	03/21/07	03/21/07	RCV: From Vendor B - Magnet Assy/Sup Article 22																																																											
UN34_00092	RCV: From Vendor A - Magnet Assy/Sup Article 23	1	03/22/07	03/22/07	RCV: From Vendor A - Magnet Assy/Sup Article 23																																																											
UN34_10090	Vendor B Fab/Assy - Magnet Assy/Sup Article 24	10	03/22/07	04/04/07	Vendor B Fab/Assy - Magnet Assy/Sup Article 24																																																											
UN34_00094	Vendor A Fab/Assy - Magnet Assy/Sup Article 25	10	03/23/07	04/05/07	Vendor A Fab/Assy - Magnet Assy/Sup Article 25																																																											
UN34_10092	RCV: From Vendor B - Magnet Assy/Sup Article 24	1	04/05/07	04/05/07	RCV: From Vendor B - Magnet Assy/Sup Article 24																																																											
UN34_00096	RCV: From Vendor A - Magnet Assy/Sup Article 25	1	04/06/07	04/06/07	RCV: From Vendor A - Magnet Assy/Sup Article 25																																																											
UN34_10094	Vendor B Fab/Assy - Magnet Assy/Sup Article 26	10	04/06/07	04/19/07	Vendor B Fab/Assy - Magnet Assy/Sup Article 26																																																											
UN34_00098	Vendor A Fab/Assy - Magnet Assy/Sup Article 27	10	04/09/07	04/20/07	Vendor A Fab/Assy - Magnet Assy/Sup Article 27																																																											
UN34_10096	RCV: From Vendor B - Magnet Assy/Sup Article 26	1	04/20/07	04/20/07	RCV: From Vendor B - Magnet Assy/Sup Article 26																																																											
UN34_00100	RCV: From Vendor A - Magnet Assy/Sup Article 27	1	04/23/07	04/23/07	RCV: From Vendor A - Magnet Assy/Sup Article 27																																																											
UN34_10098	Vendor B Fab/Assy - Magnet Assy/Sup Article 28	10	04/23/07	05/04/07	Vendor B Fab/Assy - Magnet Assy/Sup Article 28																																																											
UN34_00102	Vendor A Fab/Assy - Magnet Assy/Sup Article 29	10	04/24/07	05/07/07	Vendor A Fab/Assy - Magnet Assy/Sup Article 29																																																											
UN34_10100	RCV: From Vendor B - Magnet Assy/Sup Article 28	1	05/07/07	05/07/07	RCV: From Vendor B - Magnet Assy/Sup Article 28																																																											
UN34_00103	RCV: From Vendor A - Magnet Assy/Sup Article 29	1	05/08/07	05/08/07	RCV: From Vendor A - Magnet Assy/Sup Article 29																																																											
UN34_10102	Vendor B Fab/Assy - Magnet Assy/Sup Article 30	10	05/08/07	05/21/07	Vendor B Fab/Assy - Magnet Assy/Sup Article 30																																																											
UN34_00106	Vendor A Fab/Assy - Magnet Assy/Sup Article 31	10	05/09/07	05/22/07	Vendor A Fab/Assy - Magnet Assy/Sup Article 31																																																											
UN34_10104	RCV: From Vendor B - Magnet Assy/Sup Article 30	1	05/22/07	05/22/07	RCV: From Vendor B - Magnet Assy/Sup Article 30																																																											



Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.04.03.04.01 Magnet Assembly &amp; Supports</b>																																																																
UN34_10144	75% production undulators delivered	0		05/22/07																																																												
UN34_00108	RCV: From Vendor A - Magnet Assy/Sup Article 31	1	05/23/07	05/23/07																																																												
UN34_10106	Vendor B Fab/Assy - Magnet Assy/Sup Article 32	10	05/23/07	06/06/07																																																												
UN34_00110	Vendor A Fab/Assy - Magnet Assy/Sup Article 33	10	05/24/07	06/07/07																																																												
MS3_UN020	50% production undulators received	0		05/31/07*																																																												
UN34_10107	RCV: From Vendor B - Magnet Assy/Sup Article 32	1	06/07/07	06/07/07																																																												
UN34_00112	RCV: From Vendor A - Magnet Assy/Sup Article 33	1	06/08/07	06/08/07																																																												
MS3_UN025	75% production undulators received	0		07/31/07*																																																												
<b>1.04.03.05 Focusing Magnets</b>																																																																
<b>1.04.03.05.01 Quadrupoles</b>																																																																
UN35_00010	Define Physics Specification - Quadrupoles	20	09/10/04	10/07/04																																																												
UN35_00020	Define Engineering Specifications - Quadrupole	30	10/08/04	11/18/04																																																												
UN35_00030	COMP: Review Specifications - Quadrupoles	0		11/18/04																																																												
UN35_00060	Prep Bid Package - Quadrupoles	20	12/22/04	01/24/05																																																												
UN35_00070	Release RFP - Quadrupoles	1	01/25/05	01/25/05																																																												
UN35_00080	Vendor Prep Proposal - Quadrupoles	30	01/26/05	03/09/05																																																												
UN35_00090	RCV: Proposal - Quadrupoles	0		03/09/05																																																												
UN35_00100	Evaluate Proposal - Quadrupoles	15	03/10/05	03/30/05																																																												
UN35_00105	COMP: Accept Vendor Design and Fab & Assy Plan	0		03/30/05																																																												
UN35_00110	AWARD: Contract - Quadrupoles	1	10/03/05	10/03/05																																																												
UN35_00112	Vendor Fab/Assy - Quads 1st Article	105	10/04/05	03/07/06																																																												
UN35_00114	Ship to ANL - Quads 1st Article	5	03/08/06	03/14/06																																																												
UN35_00116	Measure Magnet - Quads 1st Article	5	03/15/06	03/21/06																																																												
UN35_00117	Accept Quads 1st Article	1	03/22/06	03/22/06																																																												
UN35_00118	Permission to Proceed w/ Quadrupole Fabrication	1	03/22/06	03/22/06																																																												
UN35_00127	Ship Quad 1st Article to SLAC MMF	5	03/23/06	03/29/06																																																												

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.04.03.05.01 Quadrupoles</b>																																																																
UN35_00120	Vendor Fab/Assy - Quads & Suppts 1st lot (19)	90	03/23/06	07/28/06																																																	Vendor Fab/Assy - Quads & Suppts 1st lot											
UN35_00134	Review Travelers - Quadrupole 1st article	1	07/31/06	07/31/06																																																	Review Travelers - Quadrupole 1st article											
UN35_00121	Review Travelers - Quadrupole 1st lot	5	07/31/06	08/04/06																																																	Review Travelers - Quadrupole 1st lot											
UN35_00122	Vendor Fab/Assy - Quads & Suppts 2nd lot (15)	90	07/31/06	12/06/06																																																	Vendor Fab/Assy - Quads & Suppts											
UN35_00144	Ship to SLAC MMF - Quadrupole 1st lot	5	08/01/06	08/07/06																																																	Ship to SLAC MMF - Quadrupole 1st lot											
UN35_00136	Review Travelers - Quadrupole 2nd lot	5	12/07/06	12/13/06																																																	Review Travelers - Quadrupole 2nd lot											
UN35_00154	Ship to SLAC MMF - Quadrupole 2nd lot	5	12/14/06	12/20/06																																																	Ship to SLAC MMF - Quadrupole 2nd lot											
<b>1.04.03.06 Undulator Magnetic Measurement Facility (SLAC)</b>																																																																
<b>1.04.03.06.01 Undulator MMF Setup</b>																																																																
UN36_00290	MMF Ready to Magnetic Measure/Fiducialize	0		08/15/05																																																	MMF Ready to Magnetic Measure/Fiducialize											
MS3_UN030	MMF Ready to Magnetic Measure/Fiducialize	0		10/31/05*																																																	MMF Ready to Magnetic Measure/Fiducialize											
<b>1.04.03.06.01.01 Undulator Test Stand Prototype</b>																																																																
UN36_00210	Design Undulator Test Stand Proto	20	10/04/04	10/29/04																																																	Design Undulator Test Stand Proto											
UN36_00220	Procure Undulator Test Stand Proto	60	11/01/04	01/31/05																																																	Procure Undulator Test Stand Proto											
UN36_00230	Install and Test Undulator Test Stand Proto	20	07/19/05	08/15/05																																																	Install and Test Undulator Test Stand Proto											
UN36_00240	Undulator Test Stand Proto Complete	0		08/15/05																																																	Undulator Test Stand Proto Complete											
<b>1.04.03.06.01.04 Undulator Test Stand</b>																																																																
UN36_00130	Design Undulator Test Stand	20	10/04/04	10/29/04																																																	Design Undulator Test Stand											
UN36_00140	Procure Undulator Test Stand	60	11/01/04	01/31/05																																																	Procure Undulator Test Stand											
UN36_00150	Install and Test Undulator Test Stand	20	07/19/05	08/15/05																																																	Install and Test Undulator Test Stand											
UN36_00160	Undulator Test Stand Complete	0		08/15/05																																																	Undulator Test Stand Complete											
<b>1.04.03.06.01.05 Undulator Fiducialization</b>																																																																
UN36_00050	Design Undulator Fiducialization System	20	10/04/04	10/29/04																																																	Design Undulator Fiducialization System											
UN36_00060	Procure Undulator Fiducialization System	60	11/01/04	01/31/05																																																	Procure Undulator Fiducialization System											
UN36_00070	Install and Test Undulator Fiducialization Sys	20	07/19/05	08/15/05																																																	Install and Test Undulator Fiducialization Sys											
UN36_00080	Undulator Fiducialization System Complete	0		08/15/05																																																	Undulator Fiducialization System Complete											
<b>1.04.03.06.01.06 Quad Strength and Field Quality</b>																																																																
UN36_00090	Design Quad Strength and Field Quality	20	10/04/04	10/29/04																																																	Design Quad Strength and Field Quality											

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.04.03.06.01.06 Quad Strength and Field Quality</b>																																																																
UN36_00100	Procure Quad Strength and Field Quality	60	11/01/04	01/31/05																																																												
UN36_00110	Install and Test Quad Strength and Field Quality	20	07/19/05	08/15/05																																																												
UN36_00120	Quad Strength and Field Quality Complete	0		08/15/05																																																												
<b>1.04.03.06.01.07 Quad Fiducialization System</b>																																																																
UN36_00010	Design Quad Fiducialization System	20	10/04/04	10/29/04																																																												
UN36_00020	Procure Quad Fiducialization System	60	11/01/04	01/31/05																																																												
UN36_00030	Install and Test Quad Fiducialization System	20	07/19/05	08/15/05																																																												
UN36_00040	Quad Fiducialization System Complete	0		08/15/05																																																												
<b>1.04.03.06.01.08 Hall Probe Calibration System</b>																																																																
UN36_00170	Design Hall Probe Calibration System	20	10/04/04	10/29/04																																																												
UN36_00180	Procure Hall Probe Calibration System	60	11/01/04	01/31/05																																																												
UN36_00190	Install and Test Hall Probe Calibration System	20	07/19/05	08/15/05																																																												
UN36_00200	Hall Probe Calibration System Complete	0		08/15/05																																																												
<b>1.04.03.06.01.09 Undulator Handling</b>																																																																
UN36_00250	Design Undulator Handling	20	10/04/04	10/29/04																																																												
UN36_00260	Procure Undulator Handling	60	11/01/04	01/31/05																																																												
UN36_00265	Procure Forklift	60	11/01/04	01/31/05																																																												
UN36_00270	Install and Test Undulator Handling	20	07/19/05	08/15/05																																																												
UN36_00280	Undulator Handling Complete	0		08/15/05																																																												
<b>1.04.03.06.02 Fiducialization and Magnetic Measurements (F/MM)</b>																																																																
<b>1.04.03.06.02.01 F/MM Undulator Magnet Sections</b>																																																																
MSB_0500	MMF Qualified & Ready to Measure Prod Undulators	0		09/30/05*																																																												
UN362_0010	REQD: Undulator Mag/Sppt - 01	0		07/12/06																																																												
UN362_0025	Assemble Cradle/Vacuum Chamber - 01	2	07/13/06	07/14/06																																																												
UN362_0020	Adjust to Temperature - 01	10	07/13/06	07/26/06																																																												
UN362_0027	Assemble Quad/Vac Chmbr/BPM/Cher Det - 01	4	07/17/06	07/20/06																																																												
UN362_0030	Undulator Setup and Alignment - 01	2	07/27/06	07/28/06																																																												

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.04.03.06.02.01 F/MM Undulator Magnet Sections</b>																																																																
UN362_0040	Undulator Measurement and Set Gap - 01	5	07/31/06	08/04/06																																																	Undulator Measurement and Set Gap - 01											
UN362_0060	Undulator Measurement/Pre-fiducialization - 01	10	08/07/06	08/18/06																																																	Undulator Measurement/Pre-fiducialization - 01											
UN362_0110	REQD: Undulator Mag/Sppt - 02	0		08/10/06																																																	REQD: Undulator Mag/Sppt - 02											
UN362_0120	Adjust to Temperature - 02	10	08/11/06	08/24/06																																																	Adjust to Temperature - 02											
UN362_0125	Assemble Cradle/Vacuum Chamber - 02	2	08/14/06	08/15/06																																																	Assemble Cradle/Vacuum Chamber - 02											
UN362_0127	Assemble Quad/Vac Chmbr/BPM/Cher Det - 02	4	08/16/06	08/21/06																																																	Assemble Quad/Vac Chmbr/BPM/Cher Det - 02											
UN362_0070	Undulator Setup and Alignment - 01	1	08/21/06	08/21/06																																																	Undulator Setup and Alignment - 01											
UN362_0080	Undulator Fiducialization - 01	5	08/22/06	08/28/06																																																	Undulator Fiducialization - 01											
UN362_0130	Undulator Setup and Alignment - 02	2	08/25/06	08/28/06																																																	Undulator Setup and Alignment - 02											
UN362_0090	Undulator/QD/VacCh/BPM/Prealign - 01	4	08/29/06	09/01/06																																																	Undulator/QD/VacCh/BPM/Prealign - 01											
UN362_0140	Undulator Measurement and Set Gap - 02	5	08/29/06	09/05/06	Undulator Measurement and Set Gap - 02																																																											
UN362_0100	Undulator RFI - 01	0		09/01/06																																																	Undulator RFI - 01											
UN362_0160	Undulator Measurement/Pre-fiducialization - 02	10	09/06/06	09/19/06																																																	Undulator Measurement/Pre-fiducialization - 02											
UN362_0210	REQD: Undulator Mag/Sppt - 03	0		09/19/06																																																	REQD: Undulator Mag/Sppt - 03											
UN362_0170	Undulator Setup and Alignment - 02	1	09/20/06	09/20/06																																																	Undulator Setup and Alignment - 02											
UN362_0225	Assemble Cradle/Vacuum Chamber - 03	2	09/20/06	09/21/06	Assemble Cradle/Vacuum Chamber - 03																																																											
UN362_0220	Adjust to Temperature - 03	10	09/20/06	10/03/06																																																	Adjust to Temperature - 03											
UN362_0180	Undulator Fiducialization - 02	5	09/21/06	09/27/06																																																	Undulator Fiducialization - 02											
UN362_0227	Assemble Quad/Vac Chmbr/BPM/Cher Det - 03	4	09/22/06	09/27/06	Assemble Quad/Vac Chmbr/BPM/Cher Det - 03																																																											
UN362_0190	Undulator/QD/VacCh/BPM/Prealign - 02	4	09/28/06	10/03/06	Undulator/QD/VacCh/BPM/Prealign - 02																																																											
UN362_0200	Undulator RFI - 02	0		10/03/06																																																	Undulator RFI - 02											
UN362_0310	REQD: Undulator Mag/Sppt - 04	0		10/03/06																																																	REQD: Undulator Mag/Sppt - 04											
UN362_0230	Undulator Setup and Alignment - 03	1	10/04/06	10/04/06																																																	Undulator Setup and Alignment - 03											
UN362_0325	Assemble Cradle/Vacuum Chamber - 04	2	10/04/06	10/05/06	Assemble Cradle/Vacuum Chamber - 04																																																											
UN362_0320	Adjust to Temperature - 04	10	10/04/06	10/17/06																																																	Adjust to Temperature - 04											
UN362_0240	Undulator Measurement and Set Gap - 03	4	10/05/06	10/10/06	Undulator Measurement and Set Gap - 03																																																											

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.04.03.06.02.01 F/MM Undulator Magnet Sections</b>																																																																
UN362_0327	Assemble Quad/Vac Chmbr/BPM/Cher Det - 04	4	10/06/06	10/11/06	<b>Assemble Quad/Vac Chmbr/BPM/Cher Det - 04</b>																																																											
UN362_0260	Undulator Measurement/Pre-fiducialization - 03	8	10/11/06	10/20/06	<b>Undulator Measurement/Pre-fiducialization - 03</b>																																																											
UN362_0410	REQD: Undulator Mag/Sppt - 05	0		10/19/06																																					◆ REQD: Undulator Mag/Sppt - 05																							
UN362_0425	Assemble Cradle/Vacuum Chamber - 05	2	10/20/06	10/23/06													<b>Assemble Cradle/Vacuum Chamber - 05</b>																																															
UN362_0420	Adjust to Temperature - 05	10	10/20/06	11/02/06																																					■ Adjust to Temperature - 05																							
UN362_0270	Undulator Setup and Alignment - 03	1	10/23/06	10/23/06																																					■ Undulator Setup and Alignment - 03																							
UN362_0330	Undulator Setup and Alignment - 04	1	10/23/06	10/23/06																																					■ Undulator Setup and Alignment - 04																							
UN362_0280	Undulator Fiducialization - 03	4	10/24/06	10/27/06																																					■ Undulator Fiducialization - 03																							
UN362_0340	Undulator Measurement and Set Gap - 04	4	10/24/06	10/27/06													<b>Undulator Measurement and Set Gap - 04</b>																																															
UN362_0427	Assemble Quad/Vac Chmbr/BPM/Cher Det - 05	4	10/24/06	10/27/06	<b>Assemble Quad/Vac Chmbr/BPM/Cher Det - 05</b>																																																											
UN362_0350	Undulator Setup and Alignment - 04	1	10/30/06	10/30/06																																					■ Undulator Setup and Alignment - 04																							
UN362_0290	Undulator/QD/VacCh/BPM/Prealign - 03	3	10/30/06	11/01/06													<b>Undulator/QD/VacCh/BPM/Prealign - 03</b>																																															
UN362_0360	Undulator Measurement/Pre-fiducialization - 04	8	10/31/06	11/09/06	<b>Undulator Measurement/Pre-fiducialization - 04</b>																																																											
UN362_0300	Undulator RFI - 03	0		11/01/06																																					◆ Undulator RFI - 03																							
UN362_0610	REQD: Undulator Mag/Sppt - 06	0		11/02/06																																					◆ REQD: Undulator Mag/Sppt - 06																							
UN362_0430	Undulator Setup and Alignment - 05	1	11/03/06	11/03/06																																					■ Undulator Setup and Alignment - 05																							
UN362_0625	Assemble Cradle/Vacuum Chamber - 06	2	11/03/06	11/06/06													<b>Assemble Cradle/Vacuum Chamber - 06</b>																																															
UN362_0620	Adjust to Temperature - 06	10	11/03/06	11/16/06																																					■ Adjust to Temperature - 06																							
UN362_0440	Undulator Measurement and Set Gap - 05	2	11/06/06	11/07/06													<b>Undulator Measurement and Set Gap - 05</b>																																															
UN362_0627	Assemble Quad/Vac Chmbr/BPM/Cher Det - 06	4	11/07/06	11/10/06	<b>Assemble Quad/Vac Chmbr/BPM/Cher Det - 06</b>																																																											
UN362_0370	Undulator Setup and Alignment - 04	1	11/10/06	11/10/06																																					■ Undulator Setup and Alignment - 04																							
UN362_0450	Undulator Setup and Alignment - 05	1	11/10/06	11/10/06																																					■ Undulator Setup and Alignment - 05																							
UN362_0510	REQD: Undulator Mag/Sppt - 07	0		11/10/06																																					◆ REQD: Undulator Mag/Sppt - 07																							
UN362_0525	Assemble Cradle/Vacuum Chamber - 07	2	11/13/06	11/14/06													<b>Assemble Cradle/Vacuum Chamber - 07</b>																																															
UN362_0380	Undulator Fiducialization - 04	4	11/13/06	11/16/06																																					■ Undulator Fiducialization - 04																							
UN362_0460	Undulator Measurement/Pre-fiducialization - 05	4	11/13/06	11/16/06	<b>Undulator Measurement/Pre-fiducialization - 05</b>																																																											

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.04.03.06.02.01 F/MM Undulator Magnet Sections</b>																																																																
UN362_0520	Adjust to Temperature - 07	10	11/13/06	11/28/06																																					Adjust to Temperature - 07																							
UN362_0527	Assemble Quad/Vac Chmbr/BPM/Cher Det - 07	4	11/15/06	11/20/06													Assemble Quad/Vac Chmbr/BPM/Cher Det - 07																																															
UN362_0390	Undulator/QD/VacCh/BPM/Prealign - 04	3	11/17/06	11/21/06													Undulator/QD/VacCh/BPM/Prealign - 04																																															
UN362_0400	Undulator RFI - 04	0		11/21/06																																					Undulator RFI - 04																							
UN362_0470	Undulator Setup and Alignment - 05	1	11/22/06	11/22/06																																					Undulator Setup and Alignment - 05																							
UN362_0480	Undulator Fiducialization - 05	2	11/27/06	11/28/06																																					Undulator Fiducialization - 05																							
UN362_0810	REQD: Undulator Mag/Sppt - 08	0		11/28/06																																					REQD: Undulator Mag/Sppt - 08																							
UN362_0530	Undulator Setup and Alignment - 07	1	11/29/06	11/29/06													Undulator Setup and Alignment - 07																																															
UN362_0710	REQD: Undulator Mag/Sppt - 09	0		11/29/06																																					REQD: Undulator Mag/Sppt - 09																							
UN362_0490	Undulator/QD/VacCh/BPM/Prealign - 05	2	11/29/06	11/30/06													Undulator/QD/VacCh/BPM/Prealign - 05																																															
UN362_0825	Assemble Cradle/Vacuum Chamber - 08	2	11/29/06	11/30/06													Assemble Cradle/Vacuum Chamber - 08																																															
UN362_0820	Adjust to Temperature - 08	10	11/29/06	12/12/06																																					Adjust to Temperature - 08																							
UN362_0500	Undulator RFI - 05	0		11/30/06																																					Undulator RFI - 05																							
UN362_0725	Assemble Cradle/Vacuum Chamber - 09	2	11/30/06	12/01/06													Assemble Cradle/Vacuum Chamber - 09																																															
UN362_0540	Undulator Measurement and Set Gap - 07	3	11/30/06	12/04/06													Undulator Measurement and Set Gap - 07																																															
UN362_0720	Adjust to Temperature - 09	10	11/30/06	12/13/06																																					Adjust to Temperature - 09																							
UN362_0827	Assemble Quad/Vac Chmbr/BPM/Cher Det - 08	4	12/01/06	12/06/06													Assemble Quad/Vac Chmbr/BPM/Cher Det - 08																																															
UN362_0727	Assemble Quad/Vac Chmbr/BPM/Cher Det - 09	4	12/04/06	12/07/06													Assemble Quad/Vac Chmbr/BPM/Cher Det - 09																																															
UN362_0550	Undulator Setup and Alignment - 07	1	12/05/06	12/05/06													Undulator Setup and Alignment - 07																																															
UN362_0630	Undulator Setup and Alignment - 06	1	12/05/06	12/05/06													Undulator Setup and Alignment - 06																																															
UN362_0640	Undulator Measurement and Set Gap - 06	2	12/06/06	12/07/06													Undulator Measurement and Set Gap - 06																																															
UN362_0560	Undulator Measurement/Pre-fiducialization - 07	3	12/06/06	12/08/06													Undulator Measurement/Pre-fiducialization - 07																																															
UN362_0570	Undulator Setup and Alignment - 07	1	12/11/06	12/11/06													Undulator Setup and Alignment - 07																																															
UN362_0650	Undulator Setup and Alignment - 06	1	12/11/06	12/11/06													Undulator Setup and Alignment - 06																																															
UN362_0580	Undulator Fiducialization - 07	2	12/12/06	12/13/06																																					Undulator Fiducialization - 07																							
UN362_0660	Undulator Measurement/Pre-fiducialization - 06	4	12/12/06	12/15/06													Undulator Measurement/Pre-fiducialization - 06																																															

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.04.03.06.02.01 F/MM Undulator Magnet Sections</b>																																																																
UN362_1010	REQD: Undulator Mag/Sppt - 10	0		12/13/06																																																	◆ REQD: Undulator Mag/Sppt - 10											
UN362_0730	Undulator Setup and Alignment - 09	1	12/14/06	12/14/06																																																	Undulator Setup and Alignment - 09											
UN362_0910	REQD: Undulator Mag/Sppt - 11	0		12/14/06																																																	◆ REQD: Undulator Mag/Sppt - 11											
UN362_0590	Undulator/QD/VacCh/BPM/Prealign - 07	2	12/14/06	12/15/06																																																	Undulator/QD/VacCh/BPM/Prealign - 07											
UN362_1025	Assemble Cradle/Vacuum Chamber - 10	2	12/14/06	12/15/06																																																	Assemble Cradle/Vacuum Chamber - 10											
UN362_1020	Adjust to Temperature - 10	10	12/14/06	12/28/06																																																	■ Adjust to Temperature - 10											
UN362_0600	Undulator RFI - 07	0		12/15/06																																																	◆ Undulator RFI - 07											
UN362_0740	Undulator Measurement and Set Gap - 09	2	12/15/06	12/18/06																																																	Undulator Measurement and Set Gap - 09											
UN362_0925	Assemble Cradle/Vacuum Chamber - 11	2	12/15/06	12/18/06																																																	Assemble Cradle/Vacuum Chamber - 11											
UN362_0920	Adjust to Temperature - 11	10	12/15/06	12/29/06																																																	■ Adjust to Temperature - 11											
UN362_0670	Undulator Setup and Alignment - 06	1	12/18/06	12/18/06																																																	Undulator Setup and Alignment - 06											
UN362_1027	Assemble Quad/Vac Chmbr/BPM/Cher Det - 10	4	12/18/06	12/21/06																																																	Assemble Quad/Vac Chmbr/BPM/Cher Det - 10											
UN362_0750	Undulator Setup and Alignment - 09	1	12/19/06	12/19/06																																																	Undulator Setup and Alignment - 09											
UN362_0830	Undulator Setup and Alignment - 08	1	12/19/06	12/19/06																																																	Undulator Setup and Alignment - 08											
UN362_0680	Undulator Fiducialization - 06	2	12/19/06	12/20/06																																																	Undulator Fiducialization - 06											
UN362_0927	Assemble Quad/Vac Chmbr/BPM/Cher Det - 11	4	12/19/06	12/22/06																																																	Assemble Quad/Vac Chmbr/BPM/Cher Det - 11											
UN362_0840	Undulator Measurement and Set Gap - 08	2	12/20/06	12/21/06																																																	Undulator Measurement and Set Gap - 08											
UN362_0760	Undulator Measurement/Pre-fiducialization - 09	3	12/20/06	12/22/06																																																	Undulator Measurement/Pre-fiducialization - 09											
UN362_0690	Undulator/QD/VacCh/BPM/Prealign - 06	2	12/21/06	12/22/06																																																	Undulator/QD/VacCh/BPM/Prealign - 06											
UN362_0700	Undulator RFI - 06	0		12/22/06																																																	◆ Undulator RFI - 06											
UN362_0770	Undulator Setup and Alignment - 09	1	12/26/06	12/26/06																																																	Undulator Setup and Alignment - 09											
UN362_0850	Undulator Setup and Alignment - 08	1	12/26/06	12/26/06																																																	Undulator Setup and Alignment - 08											
UN362_0780	Undulator Fiducialization - 09	2	12/27/06	12/28/06																																																	Undulator Fiducialization - 09											
UN362_0860	Undulator Measurement/Pre-fiducialization - 08	3	12/27/06	12/29/06																																																	Undulator Measurement/Pre-fiducialization - 08											
UN362_1210	REQD: Undulator Mag/Sppt - 12	0		12/29/06																																																	◆ REQD: Undulator Mag/Sppt - 12											
UN362_0790	Undulator/QD/VacCh/BPM/Prealign - 09	2	12/29/06	01/02/07																																																	Undulator/QD/VacCh/BPM/Prealign - 09											

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.04.03.06.02.01 F/MM Undulator Magnet Sections</b>																																																																
UN362_0800	Undulator RFI - 09	0		01/02/07																																					◆ Undulator RFI - 09																							
UN362_0930	Undulator Setup and Alignment - 11	1	01/02/07	01/02/07													Undulator Setup and Alignment - 11																																															
UN362_1110	REQD: Undulator Mag/Sppt - 13	0		01/02/07																																					◆ REQD: Undulator Mag/Sppt - 13																							
UN362_1225	Assemble Cradle/Vacuum Chamber - 12	2	01/02/07	01/03/07													Assemble Cradle/Vacuum Chamber - 12																																															
UN362_1220	Adjust to Temperature - 12	10	01/02/07	01/16/07																																					■ Adjust to Temperature - 12																							
UN362_0870	Undulator Setup and Alignment - 08	1	01/03/07	01/03/07													Undulator Setup and Alignment - 08																																															
UN362_0940	Undulator Measurement and Set Gap - 11	2	01/03/07	01/04/07													Undulator Measurement and Set Gap - 11																																															
UN362_1125	Assemble Cradle/Vacuum Chamber - 13	2	01/03/07	01/04/07													Assemble Cradle/Vacuum Chamber - 13																																															
UN362_1120	Adjust to Temperature - 13	10	01/03/07	01/17/07																																					■ Adjust to Temperature - 13																							
UN362_0880	Undulator Fiducialization - 08	2	01/04/07	01/05/07																																					■ Undulator Fiducialization - 08																							
UN362_1227	Assemble Quad/Vac Chmbr/BPM/Cher Det - 12	4	01/04/07	01/09/07													Assemble Quad/Vac Chmbr/BPM/Cher Det - 12																																															
UN362_0950	Undulator Setup and Alignment - 11	1	01/05/07	01/05/07													Undulator Setup and Alignment - 11																																															
UN362_1030	Undulator Setup and Alignment - 10	1	01/05/07	01/05/07													Undulator Setup and Alignment - 10																																															
UN362_1127	Assemble Quad/Vac Chmbr/BPM/Cher Det - 13	4	01/05/07	01/10/07													Assemble Quad/Vac Chmbr/BPM/Cher Det - 13																																															
UN362_0890	Undulator/QD/VacCh/BPM/Prealign - 08	2	01/08/07	01/09/07													Undulator/QD/VacCh/BPM/Prealign - 08																																															
UN362_1040	Undulator Measurement and Set Gap - 10	2	01/08/07	01/09/07													Undulator Measurement and Set Gap - 10																																															
UN362_0960	Undulator Measurement/Pre-fiducialization - 11	3	01/08/07	01/10/07													Undulator Measurement/Pre-fiducialization - 11																																															
UN362_0900	Undulator RFI - 08	0		01/09/07																																					◆ Undulator RFI - 08																							
UN362_0970	Undulator Setup and Alignment - 11	1	01/11/07	01/11/07													Undulator Setup and Alignment - 11																																															
UN362_1050	Undulator Setup and Alignment - 10	1	01/11/07	01/11/07													Undulator Setup and Alignment - 10																																															
UN362_0980	Undulator Fiducialization - 11	1	01/12/07	01/12/07																																					■ Undulator Fiducialization - 11																							
UN362_1060	Undulator Measurement/Pre-fiducialization - 10	3	01/12/07	01/17/07													Undulator Measurement/Pre-fiducialization - 10																																															
UN362_0990	Undulator/QD/VacCh/BPM/Prealign - 11	2	01/16/07	01/17/07													Undulator/QD/VacCh/BPM/Prealign - 11																																															
UN362_1000	Undulator RFI - 11	0		01/17/07																																					◆ Undulator RFI - 11																							
UN362_1410	REQD: Undulator Mag/Sppt - 14	0		01/17/07																																					◆ REQD: Undulator Mag/Sppt - 14																							
UN362_1070	Undulator Setup and Alignment - 10	1	01/18/07	01/18/07													Undulator Setup and Alignment - 10																																															



Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.04.03.06.02.01 F/MM Undulator Magnet Sections</b>																																																																
UN362_1130	Undulator Setup and Alignment - 13	1	01/18/07	01/18/07																																																												
UN362_1310	REQD: Undulator Mag/Sppt - 15	0		01/18/07																																																												
UN362_1425	Assemble Cradle/Vacuum Chamber - 14	2	01/18/07	01/19/07																																																												
UN362_1420	Adjust to Temperature - 14	10	01/18/07	01/31/07																																																												
UN362_1080	Undulator Fiducialization - 10	2	01/19/07	01/22/07																																																												
UN362_1140	Undulator Measurement and Set Gap - 13	2	01/19/07	01/22/07																																																												
UN362_1325	Assemble Cradle/Vacuum Chamber - 15	2	01/19/07	01/22/07																																																												
UN362_1320	Adjust to Temperature - 15	10	01/19/07	02/01/07																																																												
UN362_1427	Assemble Quad/Vac Chmbr/BPM/Cher Det - 14	4	01/22/07	01/25/07																																																												
UN362_1150	Undulator Setup and Alignment - 13	1	01/23/07	01/23/07																																																												
UN362_1230	Undulator Setup and Alignment - 12	1	01/23/07	01/23/07																																																												
UN362_1090	Undulator/QD/VacCh/BPM/Prealign - 10	2	01/23/07	01/24/07																																																												
UN362_1327	Assemble Quad/Vac Chmbr/BPM/Cher Det - 15	4	01/23/07	01/26/07																																																												
UN362_1100	Undulator RFI - 10	0		01/24/07																																																												
UN362_1240	Undulator Measurement and Set Gap - 12	2	01/24/07	01/25/07																																																												
UN362_1160	Undulator Measurement/Pre-fiducialization - 13	3	01/24/07	01/26/07																																																												
UN362_1170	Undulator Setup and Alignment - 13	1	01/29/07	01/29/07																																																												
UN362_1250	Undulator Setup and Alignment - 12	1	01/29/07	01/29/07																																																												
UN362_1180	Undulator Fiducialization - 13	1	01/30/07	01/30/07																																																												
UN362_1260	Undulator Measurement/Pre-fiducialization - 12	3	01/30/07	02/01/07																																																												
UN362_1190	Undulator/QD/VacCh/BPM/Prealign - 13	2	01/31/07	02/01/07																																																												
UN362_1200	Undulator RFI - 13	0		02/01/07																																																												
UN362_1610	REQD: Undulator Mag/Sppt - 16	0		02/01/07																																																												
UN362_1270	Undulator Setup and Alignment - 12	1	02/02/07	02/02/07																																																												
UN362_1330	Undulator Setup and Alignment - 15	1	02/02/07	02/02/07																																																												
UN362_1510	REQD: Undulator Mag/Sppt - 17	0		02/02/07																																																												

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.04.03.06.02.01 F/MM Undulator Magnet Sections</b>																																																																
UN362_1625	Assemble Cradle/Vacuum Chamber - 16	2	02/02/07	02/05/07																																																												
UN362_1620	Adjust to Temperature - 16	10	02/02/07	02/15/07																																																	■ Adjust to Temperature - 16											
UN362_1280	Undulator Fiducialization - 12	1	02/05/07	02/05/07																																																	■ Undulator Fiducialization - 12											
UN362_1340	Undulator Measurement and Set Gap - 15	2	02/05/07	02/06/07																																																	■ Undulator Measurement and Set Gap - 15											
UN362_1525	Assemble Cradle/Vacuum Chamber - 17	2	02/05/07	02/06/07																																																	■ Assemble Cradle/Vacuum Chamber - 17											
UN362_1520	Adjust to Temperature - 17	10	02/05/07	02/16/07																																																	■ Adjust to Temperature - 17											
UN362_1290	Undulator/QD/VacCh/BPM/Prealign - 12	2	02/06/07	02/07/07																																																	■ Undulator/QD/VacCh/BPM/Prealign - 12											
UN362_1627	Assemble Quad/Vac Chmbr/BPM/Cher Det - 16	4	02/06/07	02/09/07																																																	■ Assemble Quad/Vac Chmbr/BPM/Cher Det - 16											
UN362_1300	Undulator RFI - 12	0		02/07/07																																																	◆ Undulator RFI - 12											
UN362_1350	Undulator Setup and Alignment - 15	1	02/07/07	02/07/07																																																	■ Undulator Setup and Alignment - 15											
UN362_1430	Undulator Setup and Alignment - 14	1	02/07/07	02/07/07																																																	■ Undulator Setup and Alignment - 14											
UN362_1527	Assemble Quad/Vac Chmbr/BPM/Cher Det - 17	4	02/07/07	02/12/07																																																	■ Assemble Quad/Vac Chmbr/BPM/Cher Det - 17											
UN362_1440	Undulator Measurement and Set Gap - 14	2	02/08/07	02/09/07																																																	■ Undulator Measurement and Set Gap - 14											
UN362_1360	Undulator Measurement/Pre-fiducialization - 15	3	02/08/07	02/12/07																																																	■ Undulator Measurement/Pre-fiducialization - 15											
UN362_1370	Undulator Setup and Alignment - 15	1	02/13/07	02/13/07																																																	■ Undulator Setup and Alignment - 15											
UN362_1450	Undulator Setup and Alignment - 14	1	02/13/07	02/13/07																																																	■ Undulator Setup and Alignment - 14											
UN362_1380	Undulator Fiducialization - 15	1	02/14/07	02/14/07																																																	■ Undulator Fiducialization - 15											
UN362_1460	Undulator Measurement/Pre-fiducialization - 14	3	02/14/07	02/16/07																																																	■ Undulator Measurement/Pre-fiducialization - 14											
UN362_1390	Undulator/QD/VacCh/BPM/Prealign - 15	2	02/15/07	02/16/07																																																	■ Undulator/QD/VacCh/BPM/Prealign - 15											
UN362_1400	Undulator RFI - 15	0		02/16/07																																																	◆ Undulator RFI - 15											
UN362_1810	REQD: Undulator Mag/Sppt - 18	0		02/16/07																																																	◆ REQD: Undulator Mag/Sppt - 18											
UN362_1470	Undulator Setup and Alignment - 14	1	02/20/07	02/20/07																																																	■ Undulator Setup and Alignment - 14											
UN362_1530	Undulator Setup and Alignment - 17	1	02/20/07	02/20/07																																																	■ Undulator Setup and Alignment - 17											
UN362_1710	REQD: Undulator Mag/Sppt - 19	0		02/20/07																																																	◆ REQD: Undulator Mag/Sppt - 19											
UN362_1825	Assemble Cradle/Vacuum Chamber - 18	2	02/20/07	02/21/07																																																	■ Assemble Cradle/Vacuum Chamber - 18											
UN362_1820	Adjust to Temperature - 18	10	02/20/07	03/05/07																																																	■ Adjust to Temperature - 18											

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04				FY05				FY06				FY07				FY08			
<b>1.04.03.06.02.01</b>	<b>F/MM Undulator Magnet Sections</b>																							
UN362_1480	Undulator Fiducialization - 14	1	02/21/07	02/21/07																		<b>Undulator Fiducialization - 14</b>		
UN362_1540	Undulator Measurement and Set Gap - 17	2	02/21/07	02/22/07																		<b>Undulator Measurement and Set Gap - 17</b>		
UN362_1725	Assemble Cradle/Vacuum Chamber - 19	2	02/21/07	02/22/07																		<b>Assemble Cradle/Vacuum Chamber - 19</b>		
UN362_1720	Adjust to Temperature - 19	10	02/21/07	03/06/07																		<b>Adjust to Temperature - 19</b>		
UN362_1490	Undulator/QD/VacCh/BPM/Prealign - 14	2	02/22/07	02/23/07																		<b>Undulator/QD/VacCh/BPM/Prealign - 14</b>		
UN362_1827	Assemble Quad/Vac Chmbr/BPM/Cher Det - 18	4	02/22/07	02/27/07																		<b>Assemble Quad/Vac Chmbr/BPM/Cher Det - 18</b>		
UN362_1500	Undulator RFI - 14	0		02/23/07																		<b>Undulator RFI - 14</b>		
UN362_1550	Undulator Setup and Alignment - 17	1	02/23/07	02/23/07																		<b>Undulator Setup and Alignment - 17</b>		
UN362_1630	Undulator Setup and Alignment - 16	1	02/23/07	02/23/07																		<b>Undulator Setup and Alignment - 16</b>		
UN362_1727	Assemble Quad/Vac Chmbr/BPM/Cher Det - 19	4	02/23/07	02/28/07																		<b>Assemble Quad/Vac Chmbr/BPM/Cher Det - 19</b>		
UN362_1640	Undulator Measurement and Set Gap - 16	2	02/26/07	02/27/07																		<b>Undulator Measurement and Set Gap - 16</b>		
UN362_1560	Undulator Measurement/Pre-fiducialization - 17	3	02/26/07	02/28/07																		<b>Undulator Measurement/Pre-fiducialization - 17</b>		
UN362_1570	Undulator Setup and Alignment - 17	1	03/01/07	03/01/07																		<b>Undulator Setup and Alignment - 17</b>		
UN362_1650	Undulator Setup and Alignment - 16	1	03/01/07	03/01/07																		<b>Undulator Setup and Alignment - 16</b>		
UN362_1580	Undulator Fiducialization - 17	1	03/02/07	03/02/07																		<b>Undulator Fiducialization - 17</b>		
UN362_1660	Undulator Measurement/Pre-fiducialization - 16	4	03/02/07	03/07/07																		<b>Undulator Measurement/Pre-fiducialization - 16</b>		
UN362_1590	Undulator/QD/VacCh/BPM/Prealign - 17	2	03/05/07	03/06/07																		<b>Undulator/QD/VacCh/BPM/Prealign - 17</b>		
UN362_1600	Undulator RFI - 17	0		03/06/07																		<b>Undulator RFI - 17</b>		
UN362_2010	REQD: Undulator Mag/Sppt - 20	0		03/06/07																		<b>REQD: Undulator Mag/Sppt - 20</b>		
UN362_1730	Undulator Setup and Alignment - 19	1	03/07/07	03/07/07																		<b>Undulator Setup and Alignment - 19</b>		
UN362_1910	REQD: Undulator Mag/Sppt - 21	0		03/07/07																		<b>REQD: Undulator Mag/Sppt - 21</b>		
UN362_2025	Assemble Cradle/Vacuum Chamber - 20	2	03/07/07	03/08/07																		<b>Assemble Cradle/Vacuum Chamber - 20</b>		
UN362_2020	Adjust to Temperature - 20	10	03/07/07	03/20/07																		<b>Adjust to Temperature - 20</b>		
UN362_1670	Undulator Setup and Alignment - 16	1	03/08/07	03/08/07																		<b>Undulator Setup and Alignment - 16</b>		
UN362_1740	Undulator Measurement and Set Gap - 19	2	03/08/07	03/09/07																		<b>Undulator Measurement and Set Gap - 19</b>		
UN362_1925	Assemble Cradle/Vacuum Chamber - 21	2	03/08/07	03/09/07																		<b>Assemble Cradle/Vacuum Chamber - 21</b>		

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04																								FY05																								FY06																								FY07																								FY08																																															
<b>1.04.03.06.02.01 F/MM Undulator Magnet Sections</b>																																																																																																																																																				
UN362_1920	Adjust to Temperature - 21	10	03/08/07	03/21/07																																																																																																																									■ Adjust to Temperature - 21																							
UN362_1680	Undulator Fiducialization - 16	1	03/09/07	03/09/07																																																																																																																									■ Undulator Fiducialization - 16																							
UN362_2027	Assemble Quad/Vac Chmbr/BPM/Cher Det - 20	4	03/09/07	03/14/07																																																																																																																									■ Assemble Quad/Vac Chmbr/BPM/Cher Det - 20																							
UN362_1750	Undulator Setup and Alignment - 19	1	03/12/07	03/12/07																																																																																																																									■ Undulator Setup and Alignment - 19																							
UN362_1830	Undulator Setup and Alignment - 18	1	03/12/07	03/12/07																																																																																																																									■ Undulator Setup and Alignment - 18																							
UN362_1690	Undulator/QD/VacCh/BPM/Prealign - 16	2	03/12/07	03/13/07																																																																																																																									■ Undulator/QD/VacCh/BPM/Prealign - 16																							
UN362_1927	Assemble Quad/Vac Chmbr/BPM/Cher Det - 21	4	03/12/07	03/15/07																																																																																																																									■ Assemble Quad/Vac Chmbr/BPM/Cher Det - 21																							
UN362_1700	Undulator RFI - 16	0		03/13/07																																																																																																																									◆ Undulator RFI - 16																							
UN362_1840	Undulator Measurement and Set Gap - 18	2	03/13/07	03/14/07																																																																																																																									■ Undulator Measurement and Set Gap - 18																							
UN362_1760	Undulator Measurement/Pre-fiducialization - 19	3	03/13/07	03/15/07																																																																																																																									■ Undulator Measurement/Pre-fiducialization - 19																							
UN362_1770	Undulator Setup and Alignment - 19	1	03/16/07	03/16/07																																																																																																																									■ Undulator Setup and Alignment - 19																							
UN362_1850	Undulator Setup and Alignment - 18	1	03/16/07	03/16/07																																																																																																																									■ Undulator Setup and Alignment - 18																							
UN362_1780	Undulator Fiducialization - 19	1	03/19/07	03/19/07																																																																																																																									■ Undulator Fiducialization - 19																							
UN362_1860	Undulator Measurement/Pre-fiducialization - 18	3	03/19/07	03/21/07																																																																																																																									■ Undulator Measurement/Pre-fiducialization - 18																							
UN362_1790	Undulator/QD/VacCh/BPM/Prealign - 19	2	03/20/07	03/21/07																																																																																																																									■ Undulator/QD/VacCh/BPM/Prealign - 19																							
UN362_1800	Undulator RFI - 19	0		03/21/07																																																																																																																									◆ Undulator RFI - 19																							
UN362_2210	REQD: Undulator Mag/Sppt - 22	0		03/21/07																																																																																																																									◆ REQD: Undulator Mag/Sppt - 22																							
UN362_1870	Undulator Setup and Alignment - 18	1	03/22/07	03/22/07																																																																																																																									■ Undulator Setup and Alignment - 18																							
UN362_1930	Undulator Setup and Alignment - 21	1	03/22/07	03/22/07																																																																																																																									■ Undulator Setup and Alignment - 21																							
UN362_2110	REQD: Undulator Mag/Sppt - 23	0		03/22/07																																																																																																																									◆ REQD: Undulator Mag/Sppt - 23																							
UN362_2225	Assemble Cradle/Vacuum Chamber - 22	2	03/22/07	03/23/07																																																																																																																									■ Assemble Cradle/Vacuum Chamber - 22																							
UN362_2220	Adjust to Temperature - 22	10	03/22/07	04/04/07																																																																																																																									■ Adjust to Temperature - 22																							
UN362_1880	Undulator Fiducialization - 18	1	03/23/07	03/23/07																																																																																																																									■ Undulator Fiducialization - 18																							
UN362_1940	Undulator Measurement and Set Gap - 21	2	03/23/07	03/26/07																																																																																																																									■ Undulator Measurement and Set Gap - 21																							
UN362_2125	Assemble Cradle/Vacuum Chamber - 23	2	03/23/07	03/26/07																																																																																																																									■ Assemble Cradle/Vacuum Chamber - 23																							
UN362_2120	Adjust to Temperature - 23	10	03/23/07	04/05/07																																																																																																																									■ Adjust to Temperature - 23																							

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.04.03.06.02.01 F/MM Undulator Magnet Sections</b>																																																																
UN362_1890	Undulator/QD/VacCh/BPM/Prealign - 18	2	03/26/07	03/27/07																																																												
UN362_2227	Assemble Quad/Vac Chmbr/BPM/Cher Det - 22	4	03/26/07	03/29/07																																																												
UN362_1900	Undulator RFI - 18	0		03/27/07																																																												
UN362_1950	Undulator Setup and Alignment - 21	1	03/27/07	03/27/07																																																												
UN362_2030	Undulator Setup and Alignment - 20	1	03/27/07	03/27/07																																																												
UN362_2127	Assemble Quad/Vac Chmbr/BPM/Cher Det - 23	4	03/27/07	03/30/07																																																												
UN362_2040	Undulator Measurement and Set Gap - 20	2	03/28/07	03/29/07																																																												
UN362_1960	Undulator Measurement/Pre-fiducialization - 21	3	03/28/07	03/30/07																																																												
UN362_1970	Undulator Setup and Alignment - 21	1	04/02/07	04/02/07																																																												
UN362_2050	Undulator Setup and Alignment - 20	1	04/02/07	04/02/07																																																												
UN362_1980	Undulator Fiducialization - 21	1	04/03/07	04/03/07																																																												
UN362_2060	Undulator Measurement/Pre-fiducialization - 20	3	04/03/07	04/05/07																																																												
UN362_1990	Undulator/QD/VacCh/BPM/Prealign - 21	2	04/04/07	04/05/07																																																												
UN362_2000	Undulator RFI - 21	0		04/05/07																																																												
UN362_2410	REQD: Undulator Mag/Sppt - 24	0		04/05/07																																																												
UN362_2070	Undulator Setup and Alignment - 20	1	04/06/07	04/06/07																																																												
UN362_2130	Undulator Setup and Alignment - 23	1	04/06/07	04/06/07																																																												
UN362_2310	REQD: Undulator Mag/Sppt - 25	0		04/06/07																																																												
UN362_2425	Assemble Cradle/Vacuum Chamber - 24	2	04/06/07	04/09/07																																																												
UN362_2420	Adjust to Temperature - 24	10	04/06/07	04/19/07																																																												
UN362_2080	Undulator Fiducialization - 20	1	04/09/07	04/09/07																																																												
UN362_2140	Undulator Measurement and Set Gap - 23	2	04/09/07	04/10/07																																																												
UN362_2325	Assemble Cradle/Vacuum Chamber - 25	2	04/09/07	04/10/07																																																												
UN362_2320	Adjust to Temperature - 25	10	04/09/07	04/20/07																																																												
UN362_2090	Undulator/QD/VacCh/BPM/Prealign - 20	2	04/10/07	04/11/07																																																												
UN362_2427	Assemble Quad/Vac Chmbr/BPM/Cher Det - 24	4	04/10/07	04/13/07																																																												

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
1.04.03.06.02.01	<b>F/MM Undulator Magnet Sections</b>																																																															
UN362_2100	Undulator RFI - 20	0		04/11/07																																					♦ Undulator RFI - 20																							
UN362_2150	Undulator Setup and Alignment - 23	1	04/11/07	04/11/07																																					Undulator Setup and Alignment - 2B																							
UN362_2230	Undulator Setup and Alignment - 22	1	04/11/07	04/11/07																																					Undulator Setup and Alignment - 2E																							
UN362_2327	Assemble Quad/Vac Chmbr/BPM/Cher Det - 25	4	04/11/07	04/16/07																																					Assemble Quad/Vac Chmbr/BPM/Cher Det - 25																							
UN362_2240	Undulator Measurement and Set Gap - 22	2	04/12/07	04/13/07																																					Undulator Measurement and Set Gap - 22																							
UN362_2160	Undulator Measurement/Pre-fiducialization - 23	3	04/12/07	04/16/07																																					Undulator Measurement/Pre-fiducialization - 23																							
UN362_2170	Undulator Setup and Alignment - 23	1	04/17/07	04/17/07																																					Undulator Setup and Alignment - 23																							
UN362_2250	Undulator Setup and Alignment - 22	1	04/17/07	04/17/07																																					Undulator Setup and Alignment - 22																							
UN362_2180	Undulator Fiducialization - 23	1	04/18/07	04/18/07																																					Undulator Fiducialization - 23																							
UN362_2260	Undulator Measurement/Pre-fiducialization - 22	3	04/18/07	04/20/07																																					Undulator Measurement/Pre-fiducialization - 22																							
UN362_2190	Undulator/QD/VacCh/BPM/Prealign - 23	2	04/19/07	04/20/07																																					Undulator/QD/VacCh/BPM/Prealign - 23																							
UN362_2200	Undulator RFI - 23	0		04/20/07																																					♦ Undulator RFI - 23																							
UN362_2610	REQD: Undulator Mag/Sppt - 26	0		04/20/07																																					REQD: Undulator Mag/Sppt - 26																							
UN362_2270	Undulator Setup and Alignment - 22	1	04/23/07	04/23/07																																					Undulator Setup and Alignment - 22																							
UN362_2330	Undulator Setup and Alignment - 25	1	04/23/07	04/23/07																																					Undulator Setup and Alignment - 25																							
UN362_2510	REQD: Undulator Mag/Sppt - 27	0		04/23/07																																					REQD: Undulator Mag/Sppt - 27																							
UN362_2625	Assemble Cradle/Vacuum Chamber - 26	2	04/23/07	04/24/07																																					Assemble Cradle/Vacuum Chamber - 26																							
UN362_2620	Adjust to Temperature - 26	10	04/23/07	05/04/07																																					Adjust to Temperature - 26																							
UN362_2280	Undulator Fiducialization - 22	1	04/24/07	04/24/07																																					Undulator Fiducialization - 22																							
UN362_2340	Undulator Measurement and Set Gap - 25	2	04/24/07	04/25/07																																					Undulator Measurement and Set Gap - 25																							
UN362_2525	Assemble Cradle/Vacuum Chamber - 27	2	04/24/07	04/25/07																																					Assemble Cradle/Vacuum Chamber - 27																							
UN362_2520	Adjust to Temperature - 27	10	04/24/07	05/07/07																																					Adjust to Temperature - 27																							
UN362_2290	Undulator/QD/VacCh/BPM/Prealign - 22	2	04/25/07	04/26/07																																					Undulator/QD/VacCh/BPM/Prealign - 22																							
UN362_2627	Assemble Quad/Vac Chmbr/BPM/Cher Det - 26	4	04/25/07	04/30/07																																					Assemble Quad/Vac Chmbr/BPM/Cher Det - 26																							
UN362_2300	Undulator RFI - 22	0		04/26/07																																					♦ Undulator RFI - 22																							
UN362_2350	Undulator Setup and Alignment - 25	1	04/26/07	04/26/07																																					Undulator Setup and Alignment - 25																							

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	Fiscal Year														
					FY04			FY05			FY06			FY07			FY08		
<b>1.04.03.06.02.01 F/MM Undulator Magnet Sections</b>																			
UN362_2430	Undulator Setup and Alignment - 24	1	04/26/07	04/26/07															
UN362_2527	Assemble Quad/Vac Chmbr/BPM/Cher Det - 27	4	04/26/07	05/01/07															
UN362_2440	Undulator Measurement and Set Gap - 24	2	04/27/07	04/30/07															
UN362_2360	Undulator Measurement/Pre-fiducialization - 25	3	04/27/07	05/01/07															
UN362_2370	Undulator Setup and Alignment - 25	1	05/02/07	05/02/07															
UN362_2450	Undulator Setup and Alignment - 24	1	05/02/07	05/02/07															
UN362_2380	Undulator Fiducialization - 25	1	05/03/07	05/03/07															
UN362_2460	Undulator Measurement/Pre-fiducialization - 24	3	05/03/07	05/07/07															
UN362_2390	Undulator/QD/VacCh/BPM/Prealign - 25	2	05/04/07	05/07/07															
UN362_2400	Undulator RFI - 25	0		05/07/07															◆ Undulator RFI - 25
UN362_2810	REQD: Undulator Mag/Sppt - 28	0		05/07/07															◆ REQD: Undulator Mag/Sppt - 28
UN362_2470	Undulator Setup and Alignment - 24	1	05/08/07	05/08/07															
UN362_2530	Undulator Setup and Alignment - 27	1	05/08/07	05/08/07															
UN362_2710	REQD: Undulator Mag/Sppt - 29	0		05/08/07															◆ REQD: Undulator Mag/Sppt - 29
UN362_2825	Assemble Cradle/Vacuum Chamber - 28	2	05/08/07	05/09/07															
UN362_2820	Adjust to Temperature - 28	10	05/08/07	05/21/07															█ Adjust to Temperature - 28
UN362_2480	Undulator Fiducialization - 24	1	05/09/07	05/09/07															
UN362_2540	Undulator Measurement and Set Gap - 27	2	05/09/07	05/10/07															
UN362_2725	Assemble Cradle/Vacuum Chamber - 29	2	05/09/07	05/10/07															
UN362_2720	Adjust to Temperature - 29	10	05/09/07	05/22/07															█ Adjust to Temperature - 29
UN362_2490	Undulator/QD/VacCh/BPM/Prealign - 24	2	05/10/07	05/11/07															
UN362_2827	Assemble Quad/Vac Chmbr/BPM/Cher Det - 28	4	05/10/07	05/15/07															
UN362_2500	Undulator RFI - 24	0		05/11/07															◆ Undulator RFI - 24
UN362_2550	Undulator Setup and Alignment - 27	1	05/11/07	05/11/07															
UN362_2630	Undulator Setup and Alignment - 26	1	05/11/07	05/11/07															
UN362_2727	Assemble Quad/Vac Chmbr/BPM/Cher Det - 29	4	05/11/07	05/16/07															

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.04.03.06.02.01 F/MM Undulator Magnet Sections</b>																																																																
UN362_2640	Undulator Measurement and Set Gap - 26	2	05/14/07	05/15/07																																																												
UN362_2560	Undulator Measurement/Pre-fiducialization - 27	3	05/14/07	05/16/07																																																												
UN362_2570	Undulator Setup and Alignment - 27	1	05/17/07	05/17/07																																																												
UN362_2650	Undulator Setup and Alignment - 26	1	05/17/07	05/17/07																																																												
UN362_2580	Undulator Fiducialization - 27	1	05/18/07	05/18/07																																																												
UN362_2660	Undulator Measurement/Pre-fiducialization - 26	3	05/18/07	05/22/07																																																												
UN362_2590	Undulator/QD/VacCh/BPM/Prealign - 27	2	05/21/07	05/22/07																																																												
UN362_2600	Undulator RFI - 27	0		05/22/07																																																												
UN362_3010	REQD: Undulator Mag/Sppt - 30	0		05/22/07																																																												
UN362_2670	Undulator Setup and Alignment - 26	1	05/23/07	05/23/07																																																												
UN362_2730	Undulator Setup and Alignment - 29	1	05/23/07	05/23/07																																																												
UN362_2910	REQD: Undulator Mag/Sppt - 31	0		05/23/07																																																												
UN362_3025	Assemble Cradle/Vacuum Chamber - 30	2	05/23/07	05/24/07																																																												
UN362_3020	Adjust to Temperature - 30	10	05/23/07	06/06/07																																																												
UN362_2680	Undulator Fiducialization - 26	1	05/24/07	05/24/07																																																												
UN362_2740	Undulator Measurement and Set Gap - 29	2	05/24/07	05/25/07																																																												
UN362_2925	Assemble Cradle/Vacuum Chamber - 31	2	05/24/07	05/25/07																																																												
UN362_2920	Adjust to Temperature - 31	10	05/24/07	06/07/07																																																												
UN362_2690	Undulator/QD/VacCh/BPM/Prealign - 26	2	05/25/07	05/29/07																																																												
UN362_3027	Assemble Quad/Vac Chmbr/BPM/Cher Det - 30	4	05/25/07	05/31/07																																																												
UN362_2700	Undulator RFI - 26	0		05/29/07																																																												
UN362_2750	Undulator Setup and Alignment - 29	1	05/29/07	05/29/07																																																												
UN362_2830	Undulator Setup and Alignment - 28	1	05/29/07	05/29/07																																																												
UN362_2927	Assemble Quad/Vac Chmbr/BPM/Cher Det - 31	4	05/29/07	06/01/07																																																												
UN362_2840	Undulator Measurement and Set Gap - 28	2	05/30/07	05/31/07																																																												
UN362_2760	Undulator Measurement/Pre-fiducialization - 29	3	05/30/07	06/01/07																																																												





Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.04.03.06.02.01 F/MM Undulator Magnet Sections</b>																																																																
UN362_2980	Undulator Fiducialization - 31	1	06/20/07	06/20/07																																																												
UN362_3060	Undulator Measurement/Pre-fiducialization - 30	3	06/20/07	06/22/07																																																												
UN362_2990	Undulator/QD/VacCh/BPM/Prealign - 31	2	06/21/07	06/22/07																																																												
UN362_3000	Undulator RFI - 31	0		06/22/07																																																												
UN362_3070	Undulator Setup and Alignment - 30	1	06/25/07	06/25/07																																																												
UN362_3130	Undulator Setup and Alignment - 33	1	06/25/07	06/25/07																																																												
UN362_3080	Undulator Fiducialization - 30	1	06/26/07	06/26/07																																																												
UN362_3140	Undulator Measurement and Set Gap - 33	2	06/26/07	06/27/07																																																												
UN362_3090	Undulator/QD/VacCh/BPM/Prealign - 30	2	06/27/07	06/28/07																																																												
UN362_3100	Undulator RFI - 30	0		06/28/07																																																												
UN362_3150	Undulator Setup and Alignment - 33	1	06/28/07	06/28/07																																																												
UN362_3230	Undulator Setup and Alignment - 32	1	06/28/07	06/28/07																																																												
UN362_3240	Undulator Measurement and Set Gap - 32	2	06/29/07	07/02/07																																																												
UN362_3160	Undulator Measurement/Pre-fiducialization - 33	3	06/29/07	07/03/07																																																												
UN362_3170	Undulator Setup and Alignment - 33	1	07/05/07	07/05/07																																																												
UN362_3250	Undulator Setup and Alignment - 32	1	07/05/07	07/05/07																																																												
UN362_3180	Undulator Fiducialization - 33	1	07/06/07	07/06/07																																																												
UN362_3260	Undulator Measurement/Pre-fiducialization - 32	3	07/06/07	07/10/07																																																												
UN362_3190	Undulator/QD/VacCh/BPM/Prealign - 33	2	07/09/07	07/10/07																																																												
UN362_3200	Undulator RFI - 33	0		07/10/07																																																												
UN362_3270	Undulator Setup and Alignment - 32	1	07/11/07	07/11/07																																																												
UN362_3280	Undulator Fiducialization - 32	1	07/12/07	07/12/07																																																												
UN362_3290	Undulator/QD/VacCh/BPM/Prealign - 32	2	07/13/07	07/16/07																																																												
UN362_3300	Undulator RFI - 32	0		07/16/07																																																												
<b>1.04.03.06.02.02 F/MM Quadrupoles</b>																																																																
UN36_02000	Quad Mag Measure/Fiducialization Facility Read	0		08/15/05																																																												

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04		FY05		FY06		FY07		FY08	
<b>1.04.03.06.02.02 F/MM Quadrupoles</b>														
UN36_02010	Magnetic Field Measurement #01 Article at SLAC	2	03/30/06	03/31/06										Magnetic Field Measurement #01 Article at SLAC
UN36_02020	Quadrupole #01 Fiducialization	2	04/03/06	04/04/06										Quadrupole #01 Fiducialization
MS3_UN035	Quad Mag Measure/Fiducialization Facility Ready	0		06/30/06*										◆ Quad Mag Measure/Fiducialization Facility Ready
UN36_02030	Magnetic Field Measurement #02 Article at SLAC	2	08/08/06	08/09/06										Magnetic Field Measurement #02 Article at SLAC
UN36_02040	Quadrupole #02 Fiducialization	2	08/10/06	08/11/06										Quadrupole #02 Fiducialization
UN36_02050	Magnetic Field Measurement #03 Article at SLAC	2	08/14/06	08/15/06										Magnetic Field Measurement #03 Article at SLAC
UN36_02060	Quadrupole #03 Fiducialization	2	08/16/06	08/17/06										Quadrupole #03 Fiducialization
UN36_02070	Magnetic Field Measurement #04 Article at SLAC	2	08/18/06	08/21/06										Magnetic Field Measurement #04 Article at SLAC
UN36_02080	Quadrupole #04 Fiducialization	2	08/22/06	08/23/06										Quadrupole #04 Fiducialization
UN36_02085	Magnetic Field Measurement #05 Article at SLAC	2	08/24/06	08/25/06										Magnetic Field Measurement #05 Article at SLAC
UN36_02090	Quadrupole #05 Fiducialization	2	08/28/06	08/29/06										Quadrupole #05 Fiducialization
UN36_02100	Magnetic Field Measurement #06 Article at SLAC	2	08/30/06	08/31/06										Magnetic Field Measurement #06 Article at SLAC
UN36_02110	Quadrupole #06 Fiducialization	2	09/01/06	09/05/06										Quadrupole #06 Fiducialization
UN36_02120	Magnetic Field Measurement #07 Article at SLAC	2	09/06/06	09/07/06										Magnetic Field Measurement #07 Article at SLAC
UN36_02130	Quadrupole #07 Fiducialization	2	09/08/06	09/11/06										Quadrupole #07 Fiducialization
UN36_02140	Magnetic Field Measurement #08 Article at SLAC	2	09/12/06	09/13/06										Magnetic Field Measurement #08 Article at SLAC
UN36_02150	Quadrupole #08 Fiducialization	2	09/14/06	09/15/06										Quadrupole #08 Fiducialization
UN36_02160	Magnetic Field Measurement #09 Article at SLAC	2	09/18/06	09/19/06										Magnetic Field Measurement #09 Article at SLAC
UN36_02170	Quadrupole #09 Fiducialization	2	09/20/06	09/21/06										Quadrupole #09 Fiducialization
UN36_02180	Magnetic Field Measurement #10 Article at SLAC	2	09/22/06	09/25/06										Magnetic Field Measurement #10 Article at SLAC
UN36_02190	Quadrupole #10 Fiducialization	2	09/26/06	09/27/06										Quadrupole #10 Fiducialization
UN36_02200	Magnetic Field Measurement #11 Article at SLAC	2	09/28/06	09/29/06										Magnetic Field Measurement #11 Article at SLAC
UN36_02210	Quadrupole #11 Fiducialization	2	10/02/06	10/03/06										Quadrupole #11 Fiducialization
UN36_02220	Magnetic Field Measurement #12 Article at SLAC	2	10/04/06	10/05/06										Magnetic Field Measurement #12 Article at SLAC
UN36_02230	Quadrupole #12 Fiducialization	2	10/06/06	10/09/06										Quadrupole #12 Fiducialization
UN36_02240	Magnetic Field Measurement #13 Article at SLAC	2	10/10/06	10/11/06										Magnetic Field Measurement #13 Article at SLAC

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04		FY05		FY06		FY07		FY08	
<b>1.04.03.06.02.02 F/MM Quadrupoles</b>														
UN36_02250	Quadrupole #13 Fiducialization	2	10/12/06	10/13/06										Quadrupole #13 Fiducialization
UN36_02260	Magnetic Field Measurement #14 Article at SLAC	2	10/16/06	10/17/06										Magnetic Field Measurement #14 Article at SLAC
UN36_02270	Quadrupole #14 Fiducialization	2	10/18/06	10/19/06										Quadrupole #14 Fiducialization
UN36_02280	Magnetic Field Measurement #15 Article at SLAC	2	10/20/06	10/23/06										Magnetic Field Measurement #15 Article at SLAC
UN36_02290	Quadrupole #15 Fiducialization	2	10/24/06	10/25/06										Quadrupole #15 Fiducialization
UN36_02300	Magnetic Field Measurement #16 Article at SLAC	2	10/26/06	10/27/06										Magnetic Field Measurement #16 Article at SLAC
UN36_02310	Quadrupole #16 Fiducialization	2	10/30/06	10/31/06										Quadrupole #16 Fiducialization
UN36_02320	Magnetic Field Measurement #17 Article at SLAC	2	11/01/06	11/02/06										Magnetic Field Measurement #17 Article at SLAC
UN36_02330	Quadrupole #17 Fiducialization	2	11/03/06	11/06/06										Quadrupole #17 Fiducialization
UN36_02340	Magnetic Field Measurement #18 Article at SLAC	2	11/07/06	11/08/06										Magnetic Field Measurement #18 Article at SLAC
UN36_02350	Quadrupole #18 Fiducialization	2	11/09/06	11/10/06										Quadrupole #18 Fiducialization
UN36_02360	Magnetic Field Measurement #19 Article at SLAC	2	11/13/06	11/14/06										Magnetic Field Measurement #19 Article at SLAC
UN36_02370	Quadrupole #19 Fiducialization	2	11/15/06	11/16/06										Quadrupole #19 Fiducialization
UN36_02375	Magnetic Field Measurement #20 Article at SLAC	2	12/21/06	12/22/06										Magnetic Field Measurement #20 Article at SLAC
UN36_02380	Quadrupole #20 Fiducialization	2	12/26/06	12/27/06										Quadrupole #20 Fiducialization
UN36_02390	Magnetic Field Measurement #21 Article at SLAC	2	12/28/06	12/29/06										Magnetic Field Measurement #21 Article at SLAC
UN36_02400	Quadrupole #21 Fiducialization	2	01/02/07	01/03/07										Quadrupole #21 Fiducialization
UN36_02410	Magnetic Field Measurement #22 Article at SLAC	2	01/04/07	01/05/07										Magnetic Field Measurement #22 Article at SLAC
UN36_02420	Quadrupole #22 Fiducialization	2	01/08/07	01/09/07										Quadrupole #22 Fiducialization
UN36_02430	Magnetic Field Measurement #23 Article at SLAC	2	01/10/07	01/11/07										Magnetic Field Measurement #23 Article at SLAC
UN36_02440	Quadrupole #23 Fiducialization	2	01/12/07	01/16/07										Quadrupole #23 Fiducialization
UN36_02450	Magnetic Field Measurement #24 Article at SLAC	2	01/17/07	01/18/07										Magnetic Field Measurement #24 Article at SLAC
UN36_02460	Quadrupole #24 Fiducialization	2	01/19/07	01/22/07										Quadrupole #24 Fiducialization
UN36_02470	Magnetic Field Measurement #25 Article at SLAC	2	01/23/07	01/24/07										Magnetic Field Measurement #25 Article at SLAC
UN36_02480	Quadrupole #25 Fiducialization	2	01/25/07	01/26/07										Quadrupole #25 Fiducialization
UN36_02490	Magnetic Field Measurement #26 Article at SLAC	2	01/29/07	01/30/07										Magnetic Field Measurement #26 Article at SLAC

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.04.03.06.02.02 F/MM Quadrupoles</b>																																																																
UN36_02500	Quadrupole #26 Fiducialization	2	01/31/07	02/01/07																																																	Quadrupole #26 Fiducialization											
UN36_02510	Magnetic Field Measurement #27 Article at SLAC	2	02/02/07	02/05/07																																																	Magnetic Field Measurement #27 Article at SLAC											
UN36_02520	Quadrupole #27 Fiducialization	2	02/06/07	02/07/07																																																	Quadrupole #27 Fiducialization											
UN36_02530	Magnetic Field Measurement #28 Article at SLAC	2	02/08/07	02/09/07																																																	Magnetic Field Measurement #28 Article at SLAC											
UN36_02540	Quadrupole #28 Fiducialization	2	02/12/07	02/13/07																																																	Quadrupole #28 Fiducialization											
UN36_02550	Magnetic Field Measurement #29 Article at SLAC	2	02/14/07	02/15/07																																																	Magnetic Field Measurement #29 Article at SLAC											
UN36_02560	Quadrupole #29 Fiducialization	2	02/16/07	02/20/07																																																	Quadrupole #29 Fiducialization											
UN36_02570	Magnetic Field Measurement #30 Article at SLAC	2	02/21/07	02/22/07																																																	Magnetic Field Measurement #30 Article at SLAC											
UN36_02580	Quadrupole #30 Fiducialization	2	02/23/07	02/26/07																																																	Quadrupole #30 Fiducialization											
UN36_02590	Magnetic Field Measurement #31 Article at SLAC	2	02/27/07	02/28/07																																																	Magnetic Field Measurement #31 Article at SLAC											
UN36_02600	Quadrupole #31 Fiducialization	2	03/01/07	03/02/07																																																	Quadrupole #31 Fiducialization											
UN36_02610	Magnetic Field Measurement #32 Article at SLAC	2	03/05/07	03/06/07																																																	Magnetic Field Measurement #32 Article at SLAC											
UN36_02620	Quadrupole #32 Fiducialization	2	03/07/07	03/08/07																																																	Quadrupole #32 Fiducialization											
UN36_02630	Magnetic Field Measurement #33 Article at SLAC	2	03/09/07	03/12/07																																																	Magnetic Field Measurement #33 Article at SLAC											
UN36_02640	Quadrupole #33 Fiducialization	2	03/13/07	03/14/07																																																	Quadrupole #33 Fiducialization											
<b>1.04.03.06.02.03 F/MM BPMs</b>																																																																
UN36_00370	Procure Fiducialization and Mag Meas Hardware	60	10/03/05	12/28/05																																																	Procure Fiducialization and Mag Meas Hardware											
UN36_00390	Fiducialization Measurements - BPM	120	11/01/05	04/25/06																																																	Fiducialization Measurements - BPM											
UN36_00400	Data Evaluation - BPM	120	11/01/05	04/25/06																																																	Data Evaluation - BPM											
<b>1.04.03.06.02.04 F/MM Correctors</b>																																																																
UN36_00510	Data Evaluation - Correctors	120	11/01/05	04/25/06																																																	Data Evaluation - Correctors											
UN36_00550	Magnetic Measurements - Correctors	120	11/01/05	04/25/06																																																	Magnetic Measurements - Correctors											
<b>1.04.03.06.02.05 F/MM Vacuum Chamber</b>																																																																
UN36_00560	Fiducialization Measurements - Vacuum Chamber	120	11/01/05	04/25/06																																																	Fiducialization Measurements - Vacuum Chamber											
UN36_00570	Data Evaluation - Vacuum Chamber	120	11/01/05	04/25/06																																																	Data Evaluation - Vacuum Chamber											
<b>1.04.03.06.02.06 F/MM Photon Diagnostics Components</b>																																																																
UN36_00600	Fiducialization Measurements - Photon Diagnostic	120	11/01/05	04/25/06																																																	Fiducialization Measurements - Photon Diagnostic											

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.04.03.06.02.06 F/MM Photon Diagnostics Components</b>																																																																
UN36_00610	Data Evaluation - Photon Diagnostic	120	11/01/05	04/25/06																									■ Data Evaluation - Photon Diagnostic																																			
UN36_00620	F/MM for Vacuum and Diag Complete	0		04/25/06																																					◆ F/MM for Vacuum and Diag Complete																							
<b>1.04.03.06.03 Undulator Monitoring</b>																																																																
<b>1.04.03.06.03.01 Stretched Wire System</b>																																																																
UN601_0468	Stretched Wire Systems Engineering	660	10/04/04	05/18/07													■ Stretched Wire Systems E																																															
UN601_0570	Revise Demodulator Module Design	10	10/03/05	10/14/05																									■ Revise Demodulator Module Design																																			
UN601_0470	Engineer Global Layout	14	10/03/05	10/20/05																									■ Engineer Global Layout																																			
UN601_0575	Revise SEDAC	40	10/03/05	11/29/05																									■ Revise SEDAC																																			
UN601_0580	Revise Quad ADC Design	40	10/03/05	11/29/05																									■ Revise Quad ADC Design																																			
UN601_0585	Revise RF Signal Processing Design	40	10/03/05	11/29/05																									■ Revise RF Signal Processing Design																																			
UN601_0590	Revise RF Signal Distribution	40	10/03/05	11/29/05																									■ Revise RF Signal Distribution																																			
UN601_0725	Develop Data Acquisition Software	60	10/03/05	12/28/05																									■ Develop Data Acquisition Software																																			
UN601_0467	WIRE MONITORING SYSTEM SUMMARY	100*	10/03/05	02/27/06																									■ WIRE MONITORING SYSTEM SUMMARY																																			
UN601_0595	Revise RF Power Amplifier Design	10	10/17/05	10/28/05																									■ Revise RF Power Amplifier Design																																			
UN601_0480	Adapt Wire Pulley Design	1	10/21/05	10/21/05																									■ Adapt Wire Pulley Design																																			
UN601_0475	Design Global Layout	40	10/21/05	12/19/05																									■ Design Global Layout																																			
UN601_0490	Adapt Wire Fixed End Device Design	1	10/24/05	10/24/05																									■ Adapt Wire Fixed End Device Design																																			
UN601_0485	Modify Wire Pulley Drawing	5	10/24/05	10/28/05																									■ Modify Wire Pulley Drawing																																			
UN601_0495	Modify Wire Fixed End Device Drawing	5	10/31/05	11/04/05																									■ Modify Wire Fixed End Device Drawing																																			
UN601_0600	Update Circuit Drawings	40	10/31/05	12/28/05																									■ Update Circuit Drawings																																			
UN601_0638	Specify SEDAC	1	11/30/05	11/30/05																									■ Specify SEDAC																																			
UN601_0565	Design Data Acquisition System	10	12/06/05	12/19/05																									■ Design Data Acquisition System																																			
UN601_0500	Engineer Monitor Supports	5	12/20/05	12/27/05																									■ Engineer Monitor Supports																																			
UN601_0505	Engineer Strongback Supports	2	12/28/05	12/29/05																									■ Engineer Strongback Supports																																			
UN601_0605	Specify Wire Pulley System	1	12/29/05	12/29/05																									■ Specify Wire Pulley System																																			
UN601_0630	Specify Data Acquisition System	1	12/29/05	12/29/05																									■ Specify Data Acquisition System																																			

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	Funding																																
					FY04				FY05				FY06				FY07				FY08																
<b>1.04.03.06.03.01 Stretched Wire System</b>																																					
UN601_0730	Develop Local Control Program	20	12/29/05	01/27/06																																	<input type="checkbox"/> Develop Local Control Program
UN601_0635	Specify Demodulator Modules	1	12/30/05	12/30/05																																<input type="checkbox"/> Specify Demodulator Modules	
UN601_0510	Draft Support System	20	12/30/05	01/30/06																															<input type="checkbox"/> Draft Support System		
UN601_0640	Specify Quad ADC	1	01/03/06	01/03/06																																<input type="checkbox"/> Specify Quad ADC	
UN601_0645	Specify RF Signaling Processing HW	1	01/04/06	01/04/06																																<input type="checkbox"/> Specify RF Signaling Processing HW	
UN601_0650	Specify RF Signaling Distribution HW	1	01/05/06	01/05/06																																	<input type="checkbox"/> Specify RF Signaling Distribution HW
UN601_0655	Specify RF Power Amplifier	1	01/06/06	01/06/06																																<input type="checkbox"/> Specify RF Power Amplifier	
UN601_0660	Specify Crates	1	01/09/06	01/09/06																																<input type="checkbox"/> Specify Crates	
UN601_0665	Specify Cables	1	01/10/06	01/10/06																																<input type="checkbox"/> Specify Cables	
UN601_0712	Procure Cables	40	01/11/06	03/09/06																																<input type="checkbox"/> Procure Cables	
UN601_0715	Procure Crates	40	01/11/06	03/09/06																																<input type="checkbox"/> Procure Crates	
UN601_0720	Procure Data Acquisition System	40	01/11/06	03/09/06																																<input type="checkbox"/> Procure Data Acquisition System	
UN601_0690	Procure Demodulation Modules	120	01/11/06	06/30/06																																<input type="checkbox"/> Procure Demodulation Modules	
UN601_0695	Procure Quad ADC	120	01/11/06	06/30/06																																<input type="checkbox"/> Procure Quad ADC	
UN601_0700	Procure RF Signal Processing	120	01/11/06	06/30/06																																<input type="checkbox"/> Procure RF Signal Processing	
UN601_0705	Procure RF Signal Distribution	120	01/11/06	06/30/06																																	<input type="checkbox"/> Procure RF Signal Distribution
UN601_0710	Procure RF Power Amplifier	120	01/11/06	06/30/06																																<input type="checkbox"/> Procure RF Power Amplifier	
UN601_0735	Develop Control System Connection	20	01/30/06	02/27/06																																<input type="checkbox"/> Develop Control System Connection	
UN601_0515	Adapt Tube Clips Design	1	01/31/06	01/31/06																																<input type="checkbox"/> Adapt Tube Clips Design	
UN601_0525	Adapt Tube w Bellows Design 242mm	1	01/31/06	01/31/06																																<input type="checkbox"/> Adapt Tube w Bellows Design 242mm	
UN601_0530	Adapt Wire Tube Design 1142mm	1	02/01/06	02/01/06																																<input type="checkbox"/> Adapt Wire Tube Design 1142mm	
UN601_0520	Draft Tube Clips	2	02/01/06	02/02/06																																<input type="checkbox"/> Draft Tube Clips	
UN601_0535	Adapt Wire Tube Design 1442mm	1	02/02/06	02/02/06																																<input type="checkbox"/> Adapt Wire Tube Design 1442mm	
UN601_0540	Adapt Wire Tube Strongback Design 1220mm	1	02/03/06	02/03/06																																<input type="checkbox"/> Adapt Wire Tube Strongback Design 1220mm	
UN601_0550	Draft Wire Tubes	20	02/03/06	03/03/06																																<input type="checkbox"/> Draft Wire Tubes	
UN601_0545	Adapt Wire Tube Strongback Design 920mm	1	02/06/06	02/06/06																																<input type="checkbox"/> Adapt Wire Tube Strongback Design 920mm	

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04				FY05				FY06				FY07				FY08			
<b>1.04.03.06.03.01 Stretched Wire System</b>																								
UN601_0555	Adapt Wire Monitor Design	1	02/07/06	02/07/06																		Adapt Wire Monitor Design		
UN601_0560	Modify Wire Monitor Drawings	8	03/06/06	03/15/06																		Modify Wire Monitor Drawings		
UN601_0610	Specify Wire Monitors	1	03/16/06	03/16/06																		Specify Wire Monitors		
UN601_0615	Specify Wire Monitor Supports	1	03/17/06	03/17/06																		Specify Wire Monitor Supports		
UN601_0620	Specify Wire Tubes	1	03/20/06	03/20/06																		Specify Wire Tubes		
UN601_0625	Specify Wire Tube Support System	1	03/21/06	03/21/06																		Specify Wire Tube Support System		
UN601_0670	Procure Wire Monitors	120	03/22/06	09/08/06																		Procure Wire Monitors		
UN601_0675	Procure Wire Monitor Supports	120	03/22/06	09/08/06																		Procure Wire Monitor Supports		
UN601_0680	Procure Wire Tubes	120	03/22/06	09/08/06																		Procure Wire Tubes		
UN601_0685	Procure Wire Tube Supports	120	03/22/06	09/08/06																		Procure Wire Tube Supports		
UN601_0723	Stretched Wire Comp available for installation	0		09/08/06																		Stretched Wire Comp available for ins		
MS3_UN042	Wire Monitoring System Complete	0		11/19/07*																		Wire Monitoring System Complete		
<b>1.04.03.06.03.02 Hydrostatic Level System</b>																								
UN601_0368	HLS Systems Engineering	660	10/04/04	05/18/07																		HLS Systems Engineering		
UN601_0370	Conceptual Design	5	10/03/05	10/07/05																		Conceptual Design		
UN601_0395	Design Data Acquisition System	40	10/03/05	11/29/05																		Design Data Acquisition System		
UN601_0367	HYDROSTATIC LEVEL SYSTEM SUMMARY	120*	10/03/05	03/27/06																		HYDROSTATIC LEVEL SYSTEM SUMMARY		
UN601_0400	DAS Drafting & Doc	10	11/14/05	11/29/05																		DAS Drafting & Doc		
UN601_0375	Engineer Layout	10	11/30/05	12/13/05																		Engineer Layout		
UN601_0460	Develop Data Acquisition S/W	60	11/30/05	02/27/06																		Develop Data Acquisition S/W		
UN601_0380	Design Layout	20	12/07/05	01/05/06																		Design Layout		
UN601_0385	Engineer Support System	8	12/21/05	01/03/06																		Engineer Support System		
UN601_0405	Specify Components	1	01/06/06	01/06/06																		Specify Components		
UN601_0390	Design Support System	20	01/06/06	02/03/06																		Design Support System		
UN601_0430	Procure Capacitive Sensors	180	01/09/06	09/22/06																		Procure Capacitive Sensors		
UN601_0432	Procure Acoustic Sensors	180	01/09/06	09/22/06																		Procure Acoustic Sensors		



Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.04.03.06.03.02 Hydrostatic Level System</b>																																																																
UN601_0440	Procure Re-Fill Station	180	01/09/06	09/22/06																									█ Procure Re-Fill Station																																			
UN601_0410	Specify Piping	1	02/06/06	02/06/06																									█ Specify Piping																																			
UN601_0415	Specify Support System	1	02/07/06	02/07/06																									█ Specify Support System																																			
UN601_0445	Procure Piping	10	02/07/06	02/21/06																									█ Procure Piping																																			
UN601_0420	Specify Data Acquisition System	1	02/08/06	02/08/06																									█ Specify Data Acquisition System																																			
UN601_0435	Procure Support System	120	02/08/06	07/28/06																									█ Procure Support System																																			
UN601_0425	Specify Cables	2	02/09/06	02/10/06																									█ Specify Cables																																			
UN601_0450	Procure Data Acquisition System	40	02/09/06	04/06/06																									█ Procure Data Acquisition System																																			
UN601_0455	Procure Cables	10	02/13/06	02/27/06																									█ Procure Cables																																			
UN601_0465	Develop Control System Connection	20	02/28/06	03/27/06																									█ Develop Control System Connection																																			
UN601_0457	HLS Components available for Install	0		09/22/06																																																	◆ HLS Components available for Install											
MS3_UN040	Hydrostatic Level System Complete	0		10/23/07*																																																	◆ Hydrostatic Level System Complete											
<b>1.04.03.06.03.03 F/MM BPMs</b>																																																																
UN601_0310	Specify Alignment Hardware	20	10/03/05	10/28/05																									█ Specify Alignment Hardware																																			
UN601_0307	ALIGNMENT HW AND SW SUMMARY	211*	10/03/05	08/03/06																									█ ALIGNMENT HW AND SW SUMMARY																																			
UN601_0350	Procure Portable HLS	180	11/23/05*	08/11/06																									█ Procure Portable HLS																																			
UN601_0320	Procure Laser Trackers (2)	120	02/15/06*	08/04/06																									█ Procure Laser Trackers (2)																																			
UN601_0365	Procure Data Analysis Software Extension	80	04/12/06*	08/03/06																									█ Procure Data Analysis Software Extension																																			
UN601_0355	Procure Misc Tools	60	05/10/06*	08/03/06																									█ Procure Misc Tools																																			
UN601_0360	Procure Fixturing	60	05/10/06*	08/03/06																									█ Procure Fixturing																																			
UN601_0325	Procure Retro Reflectors	44	06/01/06*	08/02/06																									█ Procure Retro Reflectors																																			
UN601_0330	Procure Reference Points	44	06/01/06*	08/02/06																									█ Procure Reference Points																																			
UN601_0335	Procure Wire Reference Fiducials	44	06/01/06*	08/02/06																									█ Procure Wire Reference Fiducials																																			
UN601_0340	Procure Digital Level	44	06/01/06*	08/02/06																									█ Procure Digital Level																																			
UN601_0345	Procure Absolute Wire Finder	44	06/01/06*	08/02/06																									█ Procure Absolute Wire Finder																																			
UN601_0315	Alignment Hardware/Software Acceptance Testing	40	08/14/06	10/09/06																									█ Alignment Hardware/Software Accept																																			

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04																								FY05												FY06												FY07												FY08											
<b>1.04.03.08 Fixed Supports</b>																																																																												
<b>1.04.03.08.01 Fixed Spt Mgmt &amp; Integration</b>																																																																												
UN38_00010	Project Oversight	260	10/04/04	10/14/05																																																																								
<b>1.04.03.08.02 Fixed Support Design</b>																																																																												
UN601_0233	Eng Temperature Data Acquisition System	15	10/04/04	10/22/04																																																																								
UN38_00040	Perform Vibration Analysis	20	10/04/04	10/29/04																																																																								
UN38_00020	Perform Thermal Stability Analysis	60	10/04/04	12/30/04																																																																								
UN38_00050	Coordinate Interface w/Undulator Syst Components	80	10/04/04	01/31/05																																																																								
UN38_00030	Perform HVAC Design Integration	120	10/04/04	03/29/05																																																																								
UN601_0235	Des Temperature Data Acquisition System	5	10/25/04	10/29/04																																																																								
UN601_0245	Specify Temperature Data Acq System	2	11/01/04	11/02/04																																																																								
UN601_0175	Engineer Foot Plates	2	01/03/05*	01/04/05																																																																								
UN601_0185	Engineer Granite Girder Adjustable Feet	5	01/05/05	01/11/05																																																																								
UN601_0180	Design Foot Plates	10	01/05/05	01/19/05																																																																								
UN601_0195	Engineer Granite Girders #2-31	5	01/12/05	01/19/05																																																																								
UN601_0190	Design Granite Girder Adjustable Feet	20	01/12/05	02/09/05																																																																								
UN601_0205	Engineer Granite Girder #1	1	01/20/05	01/20/05																																																																								
UN601_0250	Specify Foot Plate Hardware	1	01/20/05	01/20/05																																																																								
UN601_0200	Design Granite Girders #2-31	20	01/20/05	02/16/05																																																																								
UN601_0215	Engineer Granite Girders #32, #33	1	01/21/05	01/21/05																																																																								
UN601_0255	Specify Girder Adjustable Feet	1	02/10/05	02/10/05																																																																								
UN601_0210	Design Granite Girder #1	2	02/10/05	02/11/05																																																																								
UN601_0220	Design Granite Girders #32, #33	4	02/14/05	02/17/05																																																																								
UN601_0217	Engineer Granite Girder Transport Fixturing	10	02/17/05	03/03/05																																																																								
UN601_0225	Engineer Manual Adjustment System	10	02/17/05	03/03/05																																																																								
UN601_0260	Specify Granite Girders	1	02/18/05	02/18/05																																																																								
UN601_0218	Design Granite Girder Transport Fixturing	20	03/04/05	03/31/05																																																																								

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.04.03.08.02 Fixed Support Design</b>																																																																
UN601_0230	Design Manual Adjustment System	40	04/01/05	05/26/05																									■ Design Manual Adjustment System																																			
UN601_0240	Engineer Granite Girder Insulation	2	05/27/05	05/31/05																																					■ Engineer Granite Girder Insulation																							
UN601_0270	Specify Manual Adjustment System HW	2	05/27/05	05/31/05																																					■ Specify Manual Adjustment System HW																							
UN601_0243	Design Granite Girder Insulation	5	06/01/05	06/07/05																																					■ Design Granite Girder Insulation																							
UN601_0265	Specify Granite Girder Insulation	1	06/08/05	06/08/05																																					■ Specify Granite Girder Insulation																							
UN601_0275	Begin Component Acquisition	0	01/03/06*																																																		◆ Begin Component Acquisition											
<b>1.04.03.08.03 Stabilized Girder Assemblies</b>																																																																
MSC_UN030	CRIT: Start Procurement of Granite Beams	0	10/04/04																																																		◆ CRIT: Start Procurement of Granite Beams											
UN38_00070	Prepare Bid Package - Granite Beams	10	01/03/06	01/17/06																																																	■ Prepare Bid Package - Granite Beams											
UN38_00170	Procure Insulation	10	01/03/06	01/17/06																																																	■ Procure Insulation											
UN38_00180	Procure Invar Platform Support Tubes	60	01/03/06	03/29/06																																																	■ Procure Invar Platform Support Tubes											
UN38_00190	Procure Mounting Platforms	60	01/03/06	03/29/06																																																	■ Procure Mounting Platforms											
UN38_00195	Procure Girder Transport Fixturing	60	01/03/06	03/29/06																																																	■ Procure Girder Transport Fixturing											
UN38_00080	Release RFP - Granite Beams	1	01/18/06	01/18/06																																																	■ Release RFP - Granite Beams											
UN38_00090	Vendor Prep Proposal - Granite Beams	20	01/19/06	02/15/06																																																	■ Vendor Prep Proposal - Granite Beams											
UN38_00100	Receive Proposals from Vendor - Granite Beams	1	02/16/06	02/16/06																																																	■ Receive Proposals from Vendor - Granite Beams											
UN38_00110	Evaluate Proposals - Granite Beams	10	02/17/06	03/03/06																																																	■ Evaluate Proposals - Granite Beams											
UN38_00120	AWARD Contract - Granite Beams	1	03/06/06	03/06/06																																																	■ AWARD Contract - Granite Beams											
UN38_00130	Vendor Fab - Granite Beams	120	03/07/06	08/23/06																																																	■ Vendor Fab - Granite Beams											
UN38_00140	Receive Girder #1-4 - Granite Beams	1	05/02/06	05/02/06																																																	■ Receive Girder #1-4 - Granite Beams											
UN38_00200	Granite Girder Parts Ready for Assembly #1-4	0		05/02/06																																																	◆ Granite Girder Parts Ready for Assembly #1											
UN38_00150	Receive Last Girder - Granite Beams	1	08/24/06	08/24/06																																																	■ Receive Last Girder - Granite Beams											
UN38_00205	Granite Girder Parts Ready for Assembly - Last	0		08/24/06																																																	◆ Granite Girder Parts Ready for Assem											
<b>1.04.03.08.04 Thermal Intercept System</b>																																																																
UN38_00220	Procure Stabilized Chilled Water Lines	20	10/03/05	10/28/05																																																	■ Procure Stabilized Chilled Water Lines											
UN38_00230	Procure Recirculating Pump	20	10/03/05	10/28/05																																																	■ Procure Recirculating Pump											

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04		FY05		FY06		FY07		FY08	
<b>1.04.03.08.04 Thermal Intercept System</b>														
UN38_00240	Procure Variable Flow Heat Exchangers	20	10/03/05	10/28/05						■	Procure Variable Flow Heat Exchangers			
UN38_00250	Procure Temperature Controls	40	10/03/05	11/29/05						■	Procure Temperature Controls			
UN38_00210	Procure Copper Screen Assemblies	80	10/03/05	01/27/06						■	Procure Copper Screen Assemblies			
UN38_00260	Thermal Intercept Parts Ready for Assembly	0		01/27/06							◆ Thermal Intercept Parts Ready for Assembly			
<b>1.04.03.08.05 Thermometry</b>														
UN38_00270	Procure Thermistors	20	10/03/05	10/28/05						■	Procure Thermistors			
UN38_00280	Procure Cabling	20	10/03/05	10/28/05						■	Procure Cabling			
UN38_00290	Procure Readout Electronics	40	10/03/05	11/29/05						■	Procure Readout Electronics			
UN38_00300	Thermometry Ready for Assembly	0		11/29/05							◆ Thermometry Ready for Assembly			
<b>1.04.03.08.06 Kinematic Girder Support</b>														
UN38_00310	Procure Cast in Place Guides	20	10/03/05	10/28/05						■	Procure Cast in Place Guides			
UN38_00320	Procure Cylindrical Bearing	20	10/03/05	10/28/05						■	Procure Cylindrical Bearing			
UN38_00330	Procure Guided Bearings	20	10/03/05	10/28/05						■	Procure Guided Bearings			
UN38_00340	Procure Cast in Place Socket	20	10/03/05	10/28/05						■	Procure Cast in Place Socket			
UN38_00350	Procure Roller Ball	20	10/03/05	10/28/05						■	Procure Roller Ball			
UN38_00360	Procure Girder Socket	20	10/03/05	10/28/05						■	Procure Girder Socket			
UN38_00370	Kinematic Supports Ready for Installation	0		10/28/05							◆ Kinematic Supports Ready for Installation			
<b>1.04.03.08.07 Earthquake Bracing</b>														
UN38_00380	Procure Earthquake Bracing	40	10/03/05	11/29/05						■	Procure Earthquake Bracing			
<b>1.04.03.08.08 Controls and Software</b>														
UN38_00410	REQD: Alignment Monitoring specifications	0		05/28/04							◆ REQD: Alignment Monitoring specifications			
UN38_00390	Write Alignment Software	30	06/01/04	07/13/04						■	Write Alignment Software			
UN38_00400	Fixed Support Controls Ready for Stabilization	0		07/13/04							◆ Fixed Support Controls Ready for Stabilization			
<b>1.04.04 Vacuum System</b>														
UNN_STARTV	Start Vacuum System - WBS 1.04.04	0	10/01/03A											
<b>1.04.04.02 Undulator Vacuum Chamber Assembly</b>														
<b>1.04.04.02.01 Prototype Chamber Weldment</b>														
UN42_00010	Specification Prtp Un Cham	228*	12/01/03A	10/29/04						■	Specification Prtp Un Cham			

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	Funding Calendar																						
					FY04			FY05			FY06			FY07			FY08										
<b>1.04.04.02.01 Prototype Chamber Weldment</b>																											
UN42_00020	Prelim Prototype Design Prtp Un Cham	199*	01/14/04A	10/25/04	■	■	■	■	■	■	■	■	■	■	■	■											
UN42_00030	Mechanical Analysis Prtp Un Cham	164*	02/27/04A	10/18/04	■	■	■	■	■	■	■	■	■	■	■	■											
UN42_00040	Prelim Prototype Design Review Un Cham	97*	06/11/04A	10/27/04	■	■	■	■	■	■	■	■	■	■	■	■											
UN42_00050	Prototype Design Un Cham	113*	06/14/04A	11/19/04	■	■	■	■	■	■	■	■	■	■	■	■											
UN42_00070	Bid Package-Chamber Entrance Weldment	124*	06/28/04A	12/22/04	■	■	■	■	■	■	■	■	■	■	■	■											
UN42_00080	Bid Package-Chamber Exit Weldment	124*	06/28/04A	12/22/04	■	■	■	■	■	■	■	■	■	■	■	■											
UN42_00090	Bid Package-Chamber Body Weldment	124*	06/28/04A	12/22/04	■	■	■	■	■	■	■	■	■	■	■	■											
UN42_00100	Bid Package-Chamber Weldment	124*	06/28/04A	12/22/04	■	■	■	■	■	■	■	■	■	■	■	■											
UN42_00060	Prototype Design Complete	0		11/19/04	◇																						
UN42_00110	Bid Process Prtp Un Chamber	25	12/23/04	02/01/05	■																						
UN42_00120	AWARD: Chamber Entrance Weldment	2	02/02/05	02/03/05																							
UN42_00125	AWARD: Chamber Entrance Weldment Support	2	02/02/05	02/03/05																							
UN42_00130	AWARD: Chamber Exit Weldment	2	02/02/05	02/03/05																							
UN42_00135	AWARD: Chamber Exit Weldment Support	2	02/02/05	02/03/05																							
UN42_00140	AWARD: Chamber Body Weldment	2	02/02/05	02/03/05																							
UN42_00145	AWARD: Chamber Body Weldment Support	2	02/02/05	02/03/05																							
UN42_00150	AWARD: Chamber Weldment	2	02/02/05	02/03/05																							
UN42_00155	AWARD: Chamber Weldment Support	2	02/02/05	02/03/05																							
UN42_00160	AWARD: of Prototype Complete	0		02/03/05	◇																						
UN42_00170	RCV Parts Prtp Un Cham	40	02/04/05	04/01/05	■																						
UN42_00180	Quality Assurance Prtp Un Cham	8	04/04/05	04/13/05	■																						
UN42_00190	Fabrication of Prototype Chamber Weldment	20	04/14/05	05/11/05	■																						
UN42_00200	Measurement and Test Prtp Un Chamber	10	05/12/05	05/25/05	■																						
UN42_00210	Review and Report Prtp Un Chamber	8	05/26/05	06/07/05	■																						
UN42_00220	Prototype Un Chamber Testing Complete	0		06/07/05	◇																						

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.04.04.02.02 Production Chamber Weldment</b>																																																																
UN42_00230	Receive Prd Un Cham Specs from Undulator Group	5	06/08/05*	06/14/05																																																												
UN42_00240	Prelim Design Prd Un Chamber	15	06/15/05	07/06/05																																																												
UN42_00480	Prelim Design Chamber Sup	30	06/15/05	07/27/05																																																												
UN42_00250	Prelim Design Review Prd Un Chamber	5	07/07/05	07/13/05																																																												
UN42_00260	Final Design Prd Un Chamber	12	07/14/05	07/29/05																																																												
UN42_00490	Prelim Design Review Chamber Sup	8	07/28/05	08/08/05																																																												
UN42_00270	Design Complete Prd Un Chamber	0		07/29/05																																																												
UN42_00280	Bid Package- Prd Un Chamber	3	08/01/05	08/03/05																																																												
UN42_00500	Final Design Chamber Sup	10	08/09/05	08/22/05																																																												
UN42_00510	Design Complete Chamber Sup	0		08/22/05																																																												
UN42_00520	Bid Package-Chamber Supports	5	08/23/05	08/29/05																																																												
UN42_00710	Develop Installation Plan Prd Un Chamber	10	08/23/05	09/06/05																																																												
UN42_00720	Review Installation Plan Prd Un Chamber	5	09/07/05	09/13/05																																																												
UN42_00330	Bid Process Prd Un Chamber	25	10/03/05	11/04/05																																																												
UN42_00550	Bid Process Chamber Supports	25	10/03/05	11/04/05																																																												
UN42_00551	Evaluate Bid - Chamber Supports	1	11/07/05	11/07/05																																																												
UN42_00331	Evalute Bid Prd Un Chamber	3	11/07/05	11/09/05																																																												
UN42_00365	AWARD: Chamber Supports (31) Support	2	11/08/05	11/09/05																																																												
UN42_00560	AWARD: Chamber Supports (31)	2	11/08/05	11/09/05																																																												
UN42_00590	AWARD: Complete Chamber Supports	0		11/09/05																																																												
UN42_00340	AWARD: Production Undulator Chamber (34)	2	11/10/05	11/11/05																																																												
UN42_00345	AWARD: Production Undulator Chamber (34) Support	2	11/10/05	11/11/05																																																												
UN42_00600	RCV Chamber Supports (31)	40	11/10/05	01/10/06																																																												
UN42_00390	AWARD: Complete Prd Un Chamber	0		11/11/05																																																												
UN42_00400	Rec: First Lot Production Undulator Chamber (10)	40	11/14/05	01/12/06																																																												
UN42_00610	Quality Assurance Chamber Sup	12	01/11/06	01/27/06																																																												

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
					Q1			Q2			Q3			Q4			Q1			Q2			Q3			Q4			Q1			Q2			Q3			Q4			Q1			Q2			Q3			Q4														
<b>1.04.04.02.02 Production Chamber Weldment</b>																																																																
UN42_00410	QA First Lot Prd Un Chamber	5	01/13/06	01/20/06																																					QA First Lot Prd Un Chamber																							
UN42_00420	Fabrication of First Lot Prd Un Chamber	30	01/23/06	03/06/06																																					Fabrication of First Lot Prd Un Chamber																							
UN42_00430	Approve Continuation of Production Prd Un Cham	2	03/07/06	03/08/06																																					Approve Continuation of Production Prd Un Cham																							
UN42_00421	Assembly Test Prd Un Cham (10)	20	03/07/06	04/03/06																																					Assembly Test Prd Un Cham (10)																							
UN42_00440	RCV: Remain Lot Production Undulator Chamb (24)	50	03/09/06	05/17/06																																					RCV: Remain Lot Production Undulator Chamb																							
UN42_00422	Clean Prd Un Cham (10)	8	04/04/06	04/13/06																																					Clean Prd Un Cham (10)																							
UN42_00423	Bake Prd Un Cham (10)	15	04/14/06	05/04/06																																					Bake Prd Un Cham (10)																							
UN42_00424	Prep Chamber Assy & Support for Shipment (10)	5	05/05/06	05/11/06																																					Prep Chamber Assy & Support for Shipment																							
UN42_00425	Pack Chamber Assembly & Supt for Shipping (10)	5	05/12/06	05/18/06																																					Pack Chamber Assembly & Supt for Shipping																							
UN42_00426	Ship Prd Un Chamber to SLAC (10)	0		05/18/06																																					Ship Prd Un Chamber to SLAC (10)																							
UN42_00450	QA Production Lot Prd Un Chamber	10	05/18/06	06/01/06																																					QA Production Lot Prd Un Chamber																							
UN42_00427	Transmit Prd Un Cham Design & Drawings to SLAC	5	05/19/06	05/25/06																																					Transmit Prd Un Cham Design & Drawings																							
UN42_00428	RFI: Undulator Vacuum Chamber Assembly (10)	0		05/25/06																																					RFI: Undulator Vacuum Chamber Assembly																							
UN42_00730	Prd Un Cham Assembly Arrive at SLAC (10)	10	05/26/06	06/09/06																																					Prd Un Cham Assembly Arrive at SLAC (10)																							
UN42_00460	Fabrication of Rem Production Lot Prd Un Chamber	30	06/02/06	07/14/06																																					Fabrication of Rem Production Lot Prd Un Chamber																							
UN42_00470	Approve Production Lot Prd Un Chamber	2	07/17/06	07/18/06																																					Approve Production Lot Prd Un Chamber																							
UN42_00640	Assembly Test Prd Un Cham (24)	20	07/19/06	08/15/06																																					Assembly Test Prd Un Cham (24)																							
UN42_00650	Clean Prd Un Cham (24)	8	08/16/06	08/25/06																																					Clean Prd Un Cham (24)																							
UN42_00660	Bake Prd Un Cham (24)	15	08/28/06	09/18/06																																					Bake Prd Un Cham (24)																							
UN42_00670	Prep Chamber Assembly & Supt for Shipment (24)	5	09/19/06	09/25/06																																					Prep Chamber Assembly & Supt for S																							
UN42_00680	Pack Chamber Assembly & Supt for Shipping(24)	5	09/26/06	10/02/06																																					Pack Chamber Assembly & Supt for S																							
UN42_00690	Ship Prd Un Chamber to SLAC (24)	0		10/02/06																																					Ship Prd Un Chamber to SLAC (24)																							
UN42_00702	RFI: Undulator Vacuum Chamber Assembly (24)	0		10/02/06																																					RFI: Undulator Vacuum Chamber As																							
UN42_00732	Prd Un Cham Assembly Arrive at SLAC (24)	10	10/03/06	10/16/06	Prd Un Cham Assembly Arrive at SLAC (24)																																																											

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.04.04.03 Beam-line Bellows Module Assembly</b>																																																																
<b>1.04.04.03.01 Prototype Bellows Module</b>																																																																
UN43_00010	Specification Prtp Bel Mod	189*	02/02/04A	10/27/04	■												■												■												■												■											
UN43_00020	Prelim Prototype Design Prtp Bel Mod	194*	02/16/04A	11/17/04	■												■												■												■												■											
UN43_00030	Mechanical Analysis Prtp Bel Mod	127*	06/21/04A	12/20/04	■												■												■												■												■											
UN43_00050	Prtp Bel ModFinal Design	5	12/21/04	12/29/04	■												■												■												■												■											
UN43_00060	Prtp Bel Mod Design Complete	0		12/29/04	◆												◆												◆												◆												◆											
UN43_00070	Bid Package-Ag Plated RF Finger Prtp Bel Mod	3	12/30/04	01/04/05																																																												
UN43_00080	Bid Package-Rh Plated Stub Prtp Bel Mod	3	12/30/04	01/04/05																																																												
UN43_00090	Bid Package-Tubes Prtp Bel Mod	3	12/30/04	01/04/05																																																												
UN43_00100	Bid Package- Prtp Bellows Module	3	12/30/04	01/04/05																																																												
UN43_00110	Bid Package-Axial Restraints Prtp Bel Mod	3	12/30/04	01/04/05																																																												
UN43_00120	Bid Process Prtp Bel Mod	25	01/05/05	02/09/05	■												■												■												■												■											
UN43_00130	AWARD: Ag Plated RF Finger Prtp Bel Mod	2	02/10/05	02/11/05																																																												
UN43_00140	AWARD: Rh Plated Stub Prtp Bel Mod	2	02/10/05	02/11/05																																																												
UN43_00150	AWARD: Tubes Prtp Bel Mod	2	02/10/05	02/11/05																																																												
UN43_00160	AWARD: Bellows Prtp Bel Mod	2	02/10/05	02/11/05																																																												
UN43_00170	AWARD: Axial Restraints Prtp Bel Mod	2	02/10/05	02/11/05																																																												
UN43_00180	Prototype Bel Mod Award Complete	0		02/11/05	◆												◆												◆												◆												◆											
UN43_00190	RCV: Bellows Prtp Bel Mod	30	02/14/05	03/28/05	■												■												■												■												■											
UN43_00200	Quality Assurance Prtp Bel Mod	2	03/29/05	03/30/05																																																												
UN43_00220	Measurement and Test Prtp Bel Mod	2	03/31/05	04/01/05																																																												
UN43_00230	Review and Report Prtp Bel Mod	2	04/04/05	04/05/05																																																												
UN43_00240	Prototype Bel Mod Testing Complete	0		04/05/05	◆												◆												◆												◆												◆											
<b>1.04.04.03.02 Production Bellows Module</b>																																																																
UN43_00250	Prelim Standard Bellows Design	15	04/06/05	04/26/05	■												■												■												■												■											
UN43_00260	Prelim Standard Bellows Design Review	2	04/27/05	04/28/05																																																												





Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.04.04.05 Short Diagnostic Break (SDB) Assembly</b>																																																																
UN45_00040	Prelim SDB Design Review	5	09/15/05	09/21/05																									Prelim SDB Design Review																																			
UN45_00050	Final SDB Design	10	09/22/05	10/05/05																									Final SDB Design																																			
UN45_00052	Final SDB Design Review	5	10/06/05	10/12/05																									Final SDB Design Review																																			
UN45_00060	SDB Design Complete	0		10/12/05																									SDB Design Complete																																			
UN45_00100	Ion Pump Bid Pkg	3	10/13/05	10/17/05																									Ion Pump Bid Pkg																																			
UN45_00110	Ion Pump Power Supply Bid Pkg	3	10/13/05	10/17/05																									Ion Pump Power Supply Bid Pkg																																			
UN45_00120	Ion Pump Cable Bid Package	3	10/13/05	10/17/05																									Ion Pump Cable Bid Package																																			
UN45_00070	Bid Package-Chamber Weldment Assembly	4	10/13/05	10/18/05																									Bid Package-Chamber Weldment Assembly																																			
UN45_00090	Bid Package-Pump Manifold	4	10/13/05	10/18/05																									Bid Package-Pump Manifold																																			
UN45_00140	Chamber Support Bid Package	5	10/13/05	10/19/05																									Chamber Support Bid Package																																			
UN45_00150	Pump Support Bid Package	5	10/13/05	10/19/05																									Pump Support Bid Package																																			
UN45_00160	Bid Process SDB	25	10/20/05	11/23/05																									Bid Process SDB																																			
UN45_00161	Evaluate Bids: SDB	1	11/28/05	11/28/05																									Evaluate Bids: SDB																																			
UN45_00170	AWARD: Chamber Weldment Assembly (23)	2	11/28/05	11/29/05																									AWARD: Chamber Weldment Assembly (23)																																			
UN45_00175	AWARD: Chamber Weldment Assembly (23) Support	2	11/28/05	11/29/05																									AWARD: Chamber Weldment Assembly (23) Support																																			
UN45_00200	AWARD: Ion Pump (23)	2	11/28/05	11/29/05																									AWARD: Ion Pump (23)																																			
UN45_00205	AWARD: Ion Pump (23) Support	2	11/28/05	11/29/05																									AWARD: Ion Pump (23) Support																																			
UN45_00210	AWARD: Ion Pump Power Supply (12)	2	11/28/05	11/29/05																									AWARD: Ion Pump Power Supply (12)																																			
UN45_00215	AWARD: Ion Pump Power Supply (12) Support	2	11/28/05	11/29/05																									AWARD: Ion Pump Power Supply (12) Support																																			
UN45_00220	AWARD: Ion Pump Cable (23)	2	11/28/05	11/29/05																									AWARD: Ion Pump Cable (23)																																			
UN45_00225	AWARD: Ion Pump Cable (23) Support	2	11/28/05	11/29/05																									AWARD: Ion Pump Cable (23) Support																																			
UN45_00240	AWARD: Chamber Support (23)	3	11/28/05	11/30/05																									AWARD: Chamber Support (23)																																			
UN45_00245	AWARD: Chamber Support (23) Sppt	3	11/28/05	11/30/05																									AWARD: Chamber Support (23) Sppt																																			
UN45_00250	AWARD: Pump Support (23)	3	11/28/05	11/30/05																									AWARD: Pump Support (23)																																			
UN45_00255	AWARD: Pump Support (23) Sppt	3	11/28/05	11/30/05																									AWARD: Pump Support (23) Sppt																																			
UN45_00190	AWARD: Pump Manifold (23)	2	11/29/05	11/30/05																									AWARD: Pump Manifold (23)																																			

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.04.04.05 Short Diagnostic Break (SDB) Assembly</b>					<b>AWARD: Pump Manifold (23) Support</b>																																																											
UN45_00195	AWARD: Pump Manifold (23) Support	2	11/29/05	11/30/05	<b>AWARD: Short Diagnostic Break Assembly</b>																																																											
UN45_00260	AWARD: Short Diagnostic Break Assembly	0		10/05/06	<b>Rec: SDB Chamber Weldment Assembly</b>																																																											
UN45_00320	Rec: SDB Chamber Weldment Assembly	30	10/06/06	11/16/06	<b>Rec: SDB Pump Manifold</b>																																																											
UN45_00322	Rec: SDB Pump Manifold	30	10/06/06	11/16/06	<b>Rec: SDB Ion Pump</b>																																																											
UN45_00324	Rec: SDB Ion Pump	30	10/06/06	11/16/06	<b>Rec: SDB Ion Pump Power Supply</b>																																																											
UN45_00326	Rec: SDB Ion Pump Power Supply	30	10/06/06	11/16/06	<b>Rec: SDB Ion Pump Cable</b>																																																											
UN45_00328	Rec: SDB Ion Pump Cable	30	10/06/06	11/16/06	<b>Rec: SDB Chamber Supports</b>																																																											
UN45_00330	Rec: SDB Chamber Supports	30	10/06/06	11/16/06	<b>Rec: SDB Pump Supports</b>																																																											
UN45_00332	Rec: SDB Pump Supports	30	10/06/06	11/16/06	<b>Rec: SDB Pump Weld</b>																																																											
UN45_00335	Rec: SDB Pump Weld	30	10/06/06	11/16/06	<b>Rec: SDB Ion Pump</b>																																																											
UN45_00336	Rec: SDB Ion Pump	30	10/06/06	11/16/06	<b>QA Production Lot SDB</b>																																																											
UN45_00339	QA Production Lot SDB	10	11/17/06	12/04/06	<b>Approve Production Lot SDB</b>																																																											
UN45_00340	Approve Production Lot SDB	3	12/05/06	12/07/06	<b>Clean SDB</b>																																																											
UN45_00350	Clean SDB	5	12/08/06	12/14/06	<b>Bake SDB</b>																																																											
UN45_00360	Bake SDB	5	12/15/06	12/21/06	<b>Assemble Short Diagnostic Break Components</b>																																																											
UN45_00370	Assemble Short Diagnostic Break Components	10	03/28/07	04/10/07	<b>Assembly Test (LD)</b>																																																											
UN45_00380	Assembly Test (LD)	10	04/11/07	04/24/07	<b>Prepare Short Diagnostic Break for Shipment</b>																																																											
UN45_00390	Prepare Short Diagnostic Break for Shipment	5	04/25/07	05/01/07	<b>Pack Short Diagnostic Break for Shipping</b>																																																											
UN45_00400	Pack Short Diagnostic Break for Shipping	5	05/02/07	05/08/07	<b>Ship to Slac SDB</b>																																																											
UN45_00410	Ship to Slac SDB	0		05/08/07	<b>Transmit SDB Design &amp; Drawings to SLAC</b>																																																											
UN45_00420	Transmit SDB Design & Drawings to SLAC	5	05/09/07	05/15/07	<b>Develop Installation Plan SDB</b>																																																											
UN45_00430	Develop Installation Plan SDB	10	05/09/07	05/22/07	<b>RFI: Short Diagnostic Break Assembly</b>																																																											
UN45_00422	RFI: Short Diagnostic Break Assembly	0		05/15/07	<b>Review installation Plan SDB</b>																																																											
UN45_00440	Review installation Plan SDB	5	05/23/07	05/30/07																																																												
<b>1.04.04.06 Long Diagnostic Break (LDB) Assembly</b>					<b>Specification LDB</b>																																																											
UN46_00010	Specification LDB	10	01/27/06	02/09/06																																																												



Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.04.04.06 Long Diagnostic Break (LDB) Assembly</b>																																																																
UN46_00350	Rec: LDB Valve (2)	40	10/05/06	12/01/06																																					■ Rec: LDB Valve (2)																							
UN46_00400	Rec: LDB Chamber Weldment Assembly	40	10/05/06	12/01/06													■ Rec: LDB Chamber Weldment Assembly																																															
UN46_00402	Rec: LDB Pump Manifold (11)	40	10/05/06	12/01/06																																					■ Rec: LDB Pump Manifold (11)																							
UN46_00404	Rec: LDB Ion Pump (11)	40	10/05/06	12/01/06																																					■ Rec: LDB Ion Pump (11)																							
UN46_00406	Rec: LDB Chamber Support (11)	40	10/05/06	12/01/06																																					■ Rec: LDB Chamber Support (11)																							
UN46_00408	Rec: LDB Ion Pump Support (11)	40	10/05/06	12/01/06																																					■ Rec: LDB Ion Pump Support (11)																							
UN46_00410	QA Production Lot LDB	10	12/04/06	12/15/06																																					■ QA Production Lot LDB																							
UN46_00420	Approve Production Lot LDB	3	12/18/06	12/20/06																																					■ Approve Production Lot LDB																							
UN46_00430	Clean LDB	8	12/21/06	01/03/07																																					■ Clean LDB																							
UN46_00440	Bake LDB	5	01/04/07	01/10/07																																					■ Bake LDB																							
UN46_00450	Assemble Long Diagnostic Break Components	15	03/28/07	04/17/07													■ Assemble Long Diagnostic Break Components																																															
UN46_00460	Assembly Test LDB	15	04/18/07	05/08/07																																					■ Assembly Test LDB																							
UN46_00470	Prepare Long Diagnostic Break for Shipment	5	05/09/07	05/15/07																																					■ Prepare Long Diagnostic Break for Shipment																							
UN46_00480	Pack Long Diagnostic Break for Shipping	5	05/16/07	05/22/07																																					■ Pack Long Diagnostic Break for Shipping																							
UN46_00490	Ship to Slac LDB	0		05/22/07																																					◆ Ship to Slac LDB																							
UN46_00500	Transmit Design and Drawings to SLAC	5	05/23/07	05/30/07																																					■ Transmit Design and Drawings to SLAC																							
UN46_00510	Develop Installation Plan LDB	7	05/23/07	06/01/07																																					■ Develop Installation Plan LDB																							
UN46_00502	RFI: Long Diagnostic Break Assembly	0		05/30/07																																					◆ RFI: Long Diagnostic Break Assembly																							
UN46_00520	Review installation Plan LDB	5	06/04/07	06/08/07																																					■ Review installation Plan LDB																							
<b>1.04.04.07 Entrance Section Assembly</b>																																																																
UN47_00010	Specification Ent Sec	10	08/01/05	08/12/05																																					■ Specification Ent Sec																							
UN47_00020	Prelim Design Ent Sec	25	08/15/05	09/19/05																																					■ Prelim Design Ent Sec																							
UN47_00030	Mechanical Analysis Ent Sec	10	09/20/05	10/03/05																																					■ Mechanical Analysis Ent Sec																							
UN47_00040	Prelim Design Review Ent Sec	5	10/04/05	10/10/05																																					■ Prelim Design Review Ent Sec																							
UN47_00050	Final Design Ent Sec	10	10/11/05	10/24/05																																					■ Final Design Ent Sec																							
UN47_00060	Design Complete Ent Sec	0		10/24/05																																					◆ Design Complete Ent Sec																							





Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.04.04.07 Entrance Section Assembly</b>																																																																
UN47_00462	Rec: Entrance Bellows	40	10/06/06	12/04/06																																					■ Rec: Entrance Bellows																							
UN47_00464	Rec: Entrance Upstream Chamber	40	10/06/06	12/04/06																																					■ Rec: Entrance Upstream Chamber																							
UN47_00466	Rec: Pump Manifold	40	10/06/06	12/04/06																																					■ Rec: Pump Manifold																							
UN47_00468	Rec: Ion Pump	40	10/06/06	12/04/06																																					■ Rec: Ion Pump																							
UN47_00470	Rec: Ion Pump Controller	40	10/06/06	12/04/06																																					■ Rec: Ion Pump Controller																							
UN47_00472	Rec: Ion Pump Cable	40	10/06/06	12/04/06																																					■ Rec: Ion Pump Cable																							
UN47_00474	Rec: Gate Valve	40	10/06/06	12/04/06																																					■ Rec: Gate Valve																							
UN47_00476	Rec: Valve	40	10/06/06	12/04/06																																					■ Rec: Valve																							
UN47_00478	Rec: Vacuum Gauge	40	10/06/06	12/04/06																																					■ Rec: Vacuum Gauge																							
UN47_00480	Rec: RGA	40	10/06/06	12/04/06																																					■ Rec: RGA																							
UN47_00482	Rec: Entrance Chamber Support	40	10/06/06	12/04/06																																					■ Rec: Entrance Chamber Support																							
UN47_00484	Rec: Chamber Mount	40	10/06/06	12/04/06																																					■ Rec: Chamber Mount																							
UN47_00486	Rec: Ion Pump Support	40	10/06/06	12/04/06																																					■ Rec: Ion Pump Support																							
UN47_00488	Rec: Gate Valve Support	40	10/06/06	12/04/06																																					■ Rec: Gate Valve Support																							
UN47_00490	Rec: RGA Support	40	10/06/06	12/04/06																																					■ Rec: RGA Support																							
UN47_00498	QA of Entrance Section Components	7	02/02/07	02/12/07																																					■ QA of Entrance Section Components																							
UN47_00499	Clean Ent Sec	10	02/13/07	02/27/07																																					■ Clean Ent Sec																							
UN47_00500	Bake Ent Sec	10	02/28/07	03/13/07																																					■ Bake Ent Sec																							
UN47_00510	Assemble Entrance Section Components	20	03/14/07	04/10/07																																					■ Assemble Entrance Section Components																							
UN47_00520	Assembly Test Ent Sec	2	04/11/07	04/12/07																																					■ Assembly Test Ent Sec																							
UN47_00530	Prepare Ent Sec Assembly & Support for Shipme	5	04/13/07	04/19/07																																					■ Prepare Ent Sec Assembly & Support for Shipme																							
UN47_00540	Pack Ent Sec Assembly & Support for Shipment	5	04/20/07	04/26/07																																					■ Pack Ent Sec Assembly & Support for Shipment																							
UN47_00550	Ship Ent Sec to Slac	0		04/26/07																																					◆ Ship Ent Sec to Slac																							
UN47_00560	Transmit Ent Sec Design a& Drawings to SLAC	5	04/27/07	05/03/07																																					■ Transmit Ent Sec Design a& Drawings to SLAC																							
UN47_00570	Develop Installation Plan Ent Sec	6	04/27/07	05/04/07																																					■ Develop Installation Plan Ent Sec																							
UN47_00562	RFI: Entrance Section Assembly and Support	0		05/03/07																																					◆ RFI: Entrance Section Assembly and Support																							



Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.04.04.07 Entrance Section Assembly</b>																																																																
UN47_00580	Review installation Plan Ent Sec	5	05/07/07	05/11/07																																																												
<b>1.04.04.08 Exit Section Assembly</b>																																																																
UN48_00010	Specification Exit Sec	10	08/01/05	08/12/05																																																												
UN48_00020	Prelim Prototype Design Exit Sec	20	08/15/05	09/12/05																																																												
UN48_00030	Mechanical Analysis Exit Sec	10	09/13/05	09/26/05																																																												
UN48_00040	Prelim Prototype Design Review Exit Sec	5	09/27/05	10/03/05																																																												
UN48_00050	Final Exit Sec Design	10	10/04/05	10/17/05																																																												
UN48_00060	Design Complete Exit Sec	0		10/17/05																																																												
UN48_00070	Bid Package-Standard Exit Chamber	3	10/18/05	10/20/05																																																												
UN48_00080	Bid Package-Exit Bellows	3	10/18/05	10/20/05																																																												
UN48_00100	Bid Package-Exit Downstream Chamber	3	10/18/05	10/20/05																																																												
UN48_00110	Bid Package-Exit Pump Manifold	3	10/18/05	10/20/05																																																												
UN48_00120	Ion Pump Bid Package	3	10/18/05	10/20/05																																																												
UN48_00140	Roughing Pump Bid Package	3	10/18/05	10/20/05																																																												
UN48_00160	Valves Bid Package	3	10/18/05	10/20/05																																																												
UN48_00200	Standard Exit Chamber Support Bid Package	3	10/18/05	10/20/05																																																												
UN48_00210	Exit Chamber Support Bid Package	3	10/18/05	10/20/05																																																												
UN48_00220	Ion Pump Support Bid Package	3	10/18/05	10/20/05																																																												
UN48_00230	Gate Valve Support Bid Package	3	10/18/05	10/20/05																																																												
UN48_00240	RGA Support Bid Package	3	10/18/05	10/20/05																																																												
UN48_00130	Turbo Pump Bid Package	5	10/18/05	10/24/05																																																												
UN48_00150	Gate Valve Bid Package	5	10/18/05	10/24/05																																																												
UN48_00170	Vacuum Gauge Bid Package	5	10/18/05	10/24/05																																																												
UN48_00190	RGA Bid Package	5	10/18/05	10/24/05																																																												
UN48_00250	Bid Process Exit Sec	5	10/25/05	10/31/05																																																												
UN48_00260	AWARD: Standard Exit Chamber	3	11/01/05	11/03/05																																																												

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04			FY05			FY06			FY07			FY08		
<b>1.04.04.08 Exit Section Assembly</b>																			
UN48_00265	AWARD: Standard Exit Chamber Sppt	3	11/01/05	11/03/05															AWARD: Standard Exit Chamber Sppt
UN48_00270	AWARD: Exit Bellows	3	11/01/05	11/03/05															AWARD: Exit Bellows
UN48_00275	AWARD: Exit Bellows Sppt	3	11/01/05	11/03/05															AWARD: Exit Bellows Sppt
UN48_00290	AWARD: Exit Downstream Chamber	3	11/01/05	11/03/05															AWARD: Exit Downstream Chamber
UN48_00295	AWARD: Exit Downstream Chamber Sppt	3	11/01/05	11/03/05															AWARD: Exit Downstream Chamber Sppt
UN48_00300	AWARD: Exit Pump Manifold	3	11/01/05	11/03/05															AWARD: Exit Pump Manifold
UN48_00305	AWARD: Exit Pump Manifold Sppt	3	11/01/05	11/03/05															AWARD: Exit Pump Manifold Sppt
UN48_00310	AWARD: Ion Pump	3	11/01/05	11/03/05															AWARD: Ion Pump
UN48_00315	AWARD: Ion Pump Sppt	3	11/01/05	11/03/05															AWARD: Ion Pump Sppt
UN48_00320	AWARD: Turbo Pump	3	11/01/05	11/03/05															AWARD: Turbo Pump
UN48_00325	AWARD: Turbo Pump Sppt	3	11/01/05	11/03/05															AWARD: Turbo Pump Sppt
UN48_00330	AWARD: Roughing Pump	3	11/01/05	11/03/05															AWARD: Roughing Pump
UN48_00335	AWARD: Roughing Pump Sppt	3	11/01/05	11/03/05															AWARD: Roughing Pump Sppt
UN48_00340	AWARD: Gate Valve	3	11/01/05	11/03/05															AWARD: Gate Valve
UN48_00345	AWARD: Gate Valve Sppt	3	11/01/05	11/03/05															AWARD: Gate Valve Sppt
UN48_00350	AWARD: Valves	3	11/01/05	11/03/05															AWARD: Valves
UN48_00355	AWARD: Valves Sppt	3	11/01/05	11/03/05															AWARD: Valves Sppt
UN48_00360	AWARD: Vacuum Gauge	3	11/01/05	11/03/05															AWARD: Vacuum Gauge
UN48_00365	AWARD: Vacuum Gauge Sppt	3	11/01/05	11/03/05															AWARD: Vacuum Gauge Sppt
UN48_00380	AWARD: RGA	3	11/01/05	11/03/05															AWARD: RGA
UN48_00385	AWARD: RGA Sppt	3	11/01/05	11/03/05															AWARD: RGA Sppt
UN48_00390	AWARD: Standard Exit Chamber Support (2)	3	11/01/05	11/03/05															AWARD: Standard Exit Chamber Support (2)
UN48_00395	AWARD: Standard Exit Chamber Support (2) Sppt	3	11/01/05	11/03/05															AWARD: Standard Exit Chamber Support (2) Sppt
UN48_00400	AWARD: Exit Downstream Chamber Support (2)	3	11/01/05	11/03/05															AWARD: Exit Downstream Chamber Support (2)
UN48_00405	AWARD: Exit Downstream Chamber Support (2) Sppt	3	11/01/05	11/03/05															AWARD: Exit Downstream Chamber Support (2) Sppt
UN48_00410	AWARD: Ion Pump Support (2)	3	11/01/05	11/03/05															AWARD: Ion Pump Support (2)

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.04.04.08 Exit Section Assembly</b>																																																																
UN48_00415	AWARD: Ion Pump Support (2) Sppt	3	11/01/05	11/03/05																																																	AWARD: Ion Pump Support (2) Sppt											
UN48_00420	AWARD: Gate Valve Support (1)	3	11/01/05	11/03/05																																																	AWARD: Gate Valve Support (1)											
UN48_00425	AWARD: Gate Valve Support (1) Sppt	3	11/01/05	11/03/05																																																	AWARD: Gate Valve Support (1) Sppt											
UN48_00430	AWARD: RGA Support (1)	3	11/01/05	11/03/05																																																	AWARD: RGA Support (1)											
UN48_00435	AWARD: RGA Support (1) Sppt	3	11/01/05	11/03/05																																																	AWARD: RGA Support (1) Sppt											
UN48_00440	AWARD: Complete Exit Sec	0		10/05/06																																																	AWARD: Complete Exit Sec											
UN48_00460	Rec: Standard Exit Chamber	40	10/06/06	12/04/06																																																	Rec: Standard Exit Chamber											
UN48_00462	Rec: Exit Bellows	40	10/06/06	12/04/06																																																	Rec: Exit Bellows											
UN48_00463	Rec: Exit Downstream Chamber	40	10/06/06	12/04/06																																																	Rec: Exit Downstream Chamber											
UN48_00465	Rec: Exit Pump Manifold	40	10/06/06	12/04/06																																																	Rec: Exit Pump Manifold											
UN48_00466	Rec: Ion Pump	40	10/06/06	12/04/06																																																	Rec: Ion Pump											
UN48_00467	Rec: Turbo Pump	40	10/06/06	12/04/06																																																	Rec: Turbo Pump											
UN48_00469	Rec: Roughing Pump	40	10/06/06	12/04/06																																																	Rec: Roughing Pump											
UN48_00472	Rec: Gate Valve	40	10/06/06	12/04/06																																																	Rec: Gate Valve											
UN48_00473	Rec: Valve	40	10/06/06	12/04/06																																																	Rec: Valve											
UN48_00474	Rec: Vacuum Gauge	40	10/06/06	12/04/06																																																	Rec: Vacuum Gauge											
UN48_00475	Rec: RGA	40	10/06/06	12/04/06																																																	Rec: RGA											
UN48_00476	Rec: Standard Exit Chamber Support	40	10/06/06	12/04/06																																																	Rec: Standard Exit Chamber Support											
UN48_00478	Rec: Exit Downstream Chamber Support	40	10/06/06	12/04/06																																																	Rec: Exit Downstream Chamber Support											
UN48_00480	Rec: Ion Pump Support	40	10/06/06	12/04/06																																																	Rec: Ion Pump Support											
UN48_00481	Rec: Gate Valve Support	40	10/06/06	12/04/06																																																	Rec: Gate Valve Support											
UN48_00482	Rec: RGA Support	40	10/06/06	12/04/06																																																	Rec: RGA Support											
UN48_00488	QA of Exit Section Components	7	12/05/06	12/13/06																																																	QA of Exit Section Components											
UN48_00489	Approve Production Exit Sec	1	12/14/06	12/14/06																																																	Approve Production Exit Sec											
UN48_00490	Clean Exit Sec	8	12/15/06	12/27/06																																																	Clean Exit Sec											
UN48_00500	Bake Exit Sec	10	12/28/06	01/11/07																																																	Bake Exit Sec											

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.04.04.08 Exit Section Assembly</b>																																																																
UN48_00510	Assemble Exit Section Components	20	01/12/07	02/12/07																																																												
UN48_00520	Assembly Test Exit Sec	13	02/13/07	03/05/07																																																												
UN48_00530	Prepare Exit Sec Assembly & Support for Ship	5	03/06/07	03/13/07																																																												
UN48_00540	Pack Exit Sec Assembly and Support for Shipmen	5	03/14/07	03/21/07																																																												
UN48_00550	Ship Exit Sec to Slac	0		03/21/07																																																												
UN48_00560	Transmit Exit Sec Design & Drawings to SLAC	5	03/22/07	03/29/07																																																												
UN48_00570	Develop Exit Sec Installation Plan	8	03/22/07	04/03/07																																																												
UN48_00562	RFI: Exit Section Assembly and Support	0		03/29/07																																																												
UN48_00580	Review Exit Sec Installation Plan	5	04/04/07	04/11/07																																																												
<b>1.04.04.09 Baking System</b>																																																																
UN49_00010	Specification of Baking Station (System)	10	08/01/05	08/12/05																																																												
UN49_00020	Prelim Design of Baking Station	15	08/15/05	09/02/05																																																												
UN49_00030	Prelim Baking Station Design Review	2	09/06/05	09/07/05																																																												
UN49_00040	Final Design of Baking Station	5	09/08/05	09/14/05																																																												
UN49_00050	Design Complete Baking Station	0		09/14/05																																																												
UN49_00060	Bid Package-Baking Station	3	09/15/05	09/19/05																																																												
UN49_00070	Bid Package-Heater	3	09/15/05	09/19/05																																																												
UN49_00080	Bid Package-Thermal Insulation	3	09/15/05	09/19/05																																																												
UN49_00100	Bid Pkg: Roughing Pump Baking Station	3	09/15/05	09/19/05																																																												
UN49_00110	Bid Package-Valves Baking Station	3	09/15/05	09/19/05																																																												
UN49_00120	Bid Pkg: Vacuum Gauge Baking Station	3	09/15/05	09/19/05																																																												
UN49_00090	Bid Pkg: Turbo Pump Baking Station	5	09/15/05	09/21/05																																																												
UN49_00140	RGA Baking Station	5	09/15/05	09/21/05																																																												
UN49_00150	Bid Process Baking Station	25	09/22/05	10/26/05																																																												
UN49_00151	Evaluate Bids: Baking Station	3	10/27/05	10/31/05																																																												
UN49_00210	AWARD: Valves	1	11/01/05	11/01/05																																																												

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04			FY05			FY06			FY07			FY08		
<b>1.04.04.09 Baking System</b>																			
UN49_00215	AWARD: Valves Sppt	1	11/01/05	11/01/05															
UN49_00160	AWARD: Baking Station	3	11/01/05	11/03/05															
UN49_00165	AWARD: Baking Station Sppt	3	11/01/05	11/03/05															
UN49_00170	AWARD: Heater	3	11/01/05	11/03/05															
UN49_00175	AWARD: Heater Sppt	3	11/01/05	11/03/05															
UN49_00180	AWARD: Thermal Insulation	3	11/01/05	11/03/05															
UN49_00185	AWARD: Thermal Insulation Sppt	3	11/01/05	11/03/05															
UN49_00190	AWARD: Turbo Pump	3	11/01/05	11/03/05															
UN49_00195	AWARD: Turbo Pump Sppt	3	11/01/05	11/03/05															
UN49_00200	AWARD: Roughing Pump	3	11/01/05	11/03/05															
UN49_00205	AWARD: Roughing Pump Sppt	3	11/01/05	11/03/05															
UN49_00220	AWARD: Vacuum Gauge	3	11/01/05	11/03/05															
UN49_00225	AWARD: Vacuum Gauge Sppt	3	11/01/05	11/03/05															
UN49_00240	AWARD: RGA	3	11/01/05	11/03/05															
UN49_00245	AWARD: RGA Sppt	3	11/01/05	11/03/05															
UN49_00250	AWARD: Complete Baking Sys	0		11/03/05															
UN49_00260	Fabrication of Baking Components	20	11/04/05	12/05/05															
UN49_00270	Receive Baking Cmpnents	15	12/06/05	12/27/05															
UN49_00280	QA of Baking Components	5	12/28/05	01/04/06															
UN49_00290	Integration to Baking System	15	01/05/06	01/26/06															
UN49_00300	Preform Bake System Testing	5	01/27/06	02/02/06															
UN49_00310	Transmit Baking Sys Design & Drawings to SLAC	5	02/03/06*	02/09/06															
UN49_00320	Complete Baking Sys	0		02/09/06															
<b>1.04.05 Diagnostics</b>																			
<b>1.04.05.02 E-Beam and X-Ray Profile Diagnostics</b>																			
<b>1.04.05.02.01 EBXPD Test Station</b>																			
UN502_0010	Specification of EBXPD Test Station	152*	03/29/04A	10/29/04															

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.04.05.02.01 EBXPD Test Station</b>																																																																
UN502_0020	Design of EBXPD Test Station	197*	03/29/04A	01/07/05													■ Design of EBXPD Test Station																																															
UN502_0040	Procure EBXPD Support Stand	3	01/10/05	01/12/05													■ Procure EBXPD Support Stand																																															
UN502_0030	Procure EBXPD Test Chamber	5	01/10/05	01/14/05													■ Procure EBXPD Test Chamber																																															
UN502_0070	Specify EBXPD Module Base Plate Outline	5	01/10/05	01/14/05													■ Specify EBXPD Module Base Plate Outline																																															
UN502_0080	Design EBXPD Module Base plate	5	01/18/05	01/24/05													■ Design EBXPD Module Base plate																																															
UN502_0100	Write Test Plan	10	01/18/05	01/31/05													■ Write Test Plan																																															
UN502_0090	Fabricate EBXPD Module base plate	15	01/25/05	02/14/05													■ Fabricate EBXPD Module base plate																																															
UN502_0110	Determine Suitable Test facility	8	02/01/05	02/10/05													■ Determine Suitable Test facility																																															
UN502_0060	Procure EBXPD Obsevation Station	3	02/11/05	02/15/05													■ Procure EBXPD Obsevation Station																																															
UN502_0050	Procure EBXPD Test Station Controllers	7	02/11/05	02/22/05													■ Procure EBXPD Test Station Controllers																																															
UN502_0120	Assemble Test station	15	02/23/05	03/15/05													■ Assemble Test station																																															
UN502_0130	Integrate Controls	10	03/16/05	03/29/05													■ Integrate Controls																																															
UN502_0140	Perform Module Testing	10	03/30/05	04/12/05													■ Perform Module Testing																																															
UN502_0150	Test Measurements Review meeting	8	04/13/05	04/25/05													■ Test Measurements Review meeting																																															
UN502_0160	Testing Complete	0		04/25/05													◆ Testing Complete																																															
<b>1.04.05.02.02 EBXPD Vacuum Chamber</b>																																																																
UN502_0170	Preliminary Vacuum Chamber Design	15	08/29/05	09/20/05													■ Preliminary Vacuum Chamber Design																																															
UN502_0180	Mechanical Analysis - EBXPD -VC	5	09/21/05	09/28/05													■ Mechanical Analysis - EBXPD -VC																																															
UN502_0190	Design Review - EBXPD -VC	8	09/29/05	10/11/05													■ Design Review - EBXPD -VC																																															
UN502_0200	Final Chamber Design - EBXPD -VC	15	10/12/05	11/02/05													■ Final Chamber Design - EBXPD -VC																																															
UN502_0210	Procurement Bid Package -EBXPD Vacuum chamber	10	11/03/05	11/17/05													■ Procurement Bid Package -EBXPD Vacuum chamber																																															
UN502_0220	Procurement Bid Package -EBXPD Support stand	10	11/03/05	11/17/05													■ Procurement Bid Package -EBXPD Support stand																																															
UN502_0230	Bid Process - EBXPD-VC	25	11/18/05	12/27/05													■ Bid Process - EBXPD-VC																																															
UN502_0231	Evaluate Bids - EBXPD-VC	1	12/28/05	12/28/05													Evaluate Bids - EBXPD-VC																																															
UN502_0240	AWARD: EBXPD Vacuum Chamber (11)	5	12/29/05	01/05/06													■ AWARD: EBXPD Vacuum Chamber (11)																																															
UN502_0245	AWARD: EBXPD Vacuum Chamber (11) Sppt	5	12/29/05	01/05/06													■ AWARD: EBXPD Vacuum Chamber (11) Sppt																																															

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.04.05.02.02 EBXPD Vacuum Chamber</b>																																																																
UN502_0250	AWARD: EBXPD Support Stand (11)	5	12/29/05	01/05/06																																					I AWARD: EBXPD Support Stand (11)																							
UN502_0255	AWARD: EBXPD Support Stand (11) Sppt	5	12/29/05	01/05/06																																					I AWARD: EBXPD Support Stand (11) Sppt																							
UN502_0260	AWARD: Complete - EBXPD-VC	0		10/09/06																																					◆ AWARD: Complete - EBXPD-VC																							
UN502_0270	Rec: EBXPD Vacuum Chamber (11)	40	10/10/06	12/06/06																																					■ Rec: EBXPD Vacuum Chamber (11)																							
UN502_0274	Rec: EBXPD Support Stand (11)	40	10/10/06	12/06/06																																					■ Rec: EBXPD Support Stand (11)																							
UN502_0280	QA EBXPD Vacuum Chamber	5	12/07/06	12/13/06																																					I QA EBXPD Vacuum Chamber																							
UN502_0290	AVAIL: EBXPD Vacuum Chamber	0		12/13/06																																					◆ AVAIL: EBXPD Vacuum Chamber																							
<b>1.04.05.02.03 Positioning Mechanism</b>																																																																
UN502_0300	Design Prototype Positioning Mechanism	20	07/18/05	08/15/05																																					■ Design Prototype Positioning Mechanism																							
UN502_0310	Mechanical Analysis - EBXPD-PM	8	08/16/05	08/26/05																																					■ Mechanical Analysis - EBXPD-PM																							
UN502_0320	Fabricate Prototype Positioning Mechanism	25	08/29/05	10/04/05																																					■ Fabricate Prototype Positioning Mechanism																							
UN502_0330	Test Prototype Positioning Mechanism	5	10/05/05	10/12/05																																					I Test Prototype Positioning Mechanism																							
UN502_0340	Preliminary Positioning Mechanism Design	20	10/13/05	11/10/05																																					■ Preliminary Positioning Mechanism Design																							
UN502_0350	Design Review	8	11/11/05	11/23/05																																					■ Design Review																							
UN502_0360	Final Positioning Mechanism Design	15	11/28/05	12/19/05																																					■ Final Positioning Mechanism Design																							
UN502_0370	Procurement Bid Package -Beam tube and spring	3	12/20/05	12/23/05																																					I Procurement Bid Package -Beam tube and spring																							
UN502_0380	Procurement Bid Package -Main translation stag	3	12/20/05	12/23/05																																					I Procurement Bid Package -Main translation stag																							
UN502_0390	Bid Process	25	12/27/05	02/01/06																																					■ Bid Process																							
UN502_0391	Evaluate Bids	1	02/02/06	02/02/06																																					I Evaluate Bids																							
UN502_0400	AWARD: Beam tube and spring contact (11)	2	02/03/06	02/06/06																																					I AWARD: Beam tube and spring contact (11)																							
UN502_0405	AWARD: Beam tube and spring contact (11) Sppt	2	02/03/06	02/06/06																																					I AWARD: Beam tube and spring contact (11) Sppt																							
UN502_0410	AWARD: Main translation stage (11)	2	02/03/06	02/06/06																																					I AWARD: Main translation stage (11)																							
UN502_0415	AWARD: Main translation stage (11) Sppt	2	02/03/06	02/06/06																																					I AWARD: Main translation stage (11) Sppt																							
UN502_0420	AWARD: Complete	0		10/09/06																																					◆ AWARD: Complete																							
UN502_0430	Rec: Beam Tube and Spring Contact (11)	30	10/10/06	11/20/06																																					Rec: Beam Tube and Spring Contact (11) ■																							
UN502_0434	Rec: Main translation stage (11)	30	10/10/06	11/20/06																																					■ Rec: Main translation stage (11)																							

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.04.05.02.03 Positioning Mechanism</b>																																																																
UN502_0440	QA EBXPD Positioning Mechanism	5	11/21/06	11/29/06																																																												
UN502_0450	AVAIL: EBXPD Positioning Mechanism	0		11/29/06	AVAIL: EBXPD Positioning Mechanism																																																											
<b>1.04.05.02.04 Scanning wire assembly (EBXPD -SWA)</b>																																																																
UN502_0460	Design Prototype SWA	215*	02/19/04A	12/22/04	Design Prototype SWA																																																											
UN502_0470	Mechanical Analysis - SWA	194*	02/23/04A	11/23/04	Mechanical Analysis - SWA																																																											
UN502_0480	Fabricate Prototype SWA	20	11/24/04	12/28/04	Fabricate Prototype SWA																																																											
UN502_0490	Test Prototype SWA	8	03/16/05	03/28/05	Test Prototype SWA																																																											
UN502_0500	Preliminary SWA Design	30	04/26/05	06/08/05	Preliminary SWA Design																																																											
UN502_0510	Design Review - SWA	7	06/09/05	06/20/05	Design Review - SWA																																																											
UN502_0520	Final SWA Design	20	06/21/05	07/20/05	Final SWA Design																																																											
UN502_0530	Procurement Bid Package -Motorized scanner	5	07/21/05	07/28/05	Procurement Bid Package -Motorized scanner																																																											
UN502_0540	Procurement Bid Package -Wire mounting rack	5	07/21/05	07/28/05	Procurement Bid Package -Wire mounting rack																																																											
UN502_0550	Procurement Bid Package -Photo electron detect	5	07/21/05	07/28/05	Procurement Bid Package -Photo electron detect																																																											
UN502_0560	Bid Process - SWA	25	10/03/05	11/04/05	Bid Process - SWA																																																											
UN502_0561	Evaluate Bids	1	11/07/05	11/07/05	Evaluate Bids																																																											
UN502_0570	AWARD: Motorized scanner (11)	2	11/08/05	11/09/05	AWARD: Motorized scanner (11)																																																											
UN502_0575	AWARD: Motorized scanner (11) Sppt	2	11/08/05	11/09/05	AWARD: Motorized scanner (11) Sppt																																																											
UN502_0580	AWARD: Wire mounting rack (11)	2	11/08/05	11/09/05	AWARD: Wire mounting rack (11)																																																											
UN502_0585	AWARD: Wire mounting rack (11) Sppt	2	11/08/05	11/09/05	AWARD: Wire mounting rack (11) Sppt																																																											
UN502_0590	AWARD: Photo electron detector (11)	2	11/08/05	11/09/05	AWARD: Photo electron detector (11)																																																											
UN502_0595	AWARD: Photo electron detector (11) Sppt	2	11/08/05	11/09/05	AWARD: Photo electron detector (11) Sppt																																																											
UN502_0600	AWARD: Complete - SWA	0		10/04/06	AWARD: Complete - SWA																																																											
UN502_0610	Rec: Motorized Scanner (11)	40	10/05/06	12/01/06	Rec: Motorized Scanner (11)																																																											
UN502_0614	Rec: Wire Rack (11)	40	10/05/06	12/01/06	Rec: Wire Rack (11)																																																											
UN502_0618	Rec: Photo electron detector (11)	40	10/05/06	12/01/06	Rec: Photo electron detector (11)																																																											



Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.04.05.02.05 Optical transition radiation imaging assembly</b>																																																																
UN502_0620	Design Prototype EBXPD-OTR	221*	03/15/04A	01/28/05													Design Prototype EBXPD-OTR																																															
UN502_0630	Mechanical Analysis - EBXPD -OTR	8	01/31/05	02/10/05													Mechanical Analysis - EBXPD -OTR																																															
UN502_0640	Fabricate Prototype EBXPD-OTR	25	02/11/05	03/21/05													Fabricate Prototype EBXPD-OTR																																															
UN502_0650	Test Prototype LEBXPD-OTR	5	03/22/05	03/29/05													Test Prototype LEBXPD-OTR																																															
UN502_0660	Preliminary EBXPD-OTR Design	45	03/30/05	06/02/05													Preliminary EBXPD-OTR Design																																															
UN502_0670	Design Review - EBXPD-OTR	8	06/03/05	06/15/05													Design Review - EBXPD-OTR																																															
UN502_0680	Final EBXPD-OTR Design	20	06/16/05	07/15/05													Final EBXPD-OTR Design																																															
UN502_0690	Procurement Bid Package -Mirrors	8	07/18/05	07/28/05													Procurement Bid Package -Mirrors																																															
UN502_0700	Procurement Bid Package -Motorized shutter	8	07/18/05	07/28/05													Procurement Bid Package -Motorized shutter																																															
UN502_0710	Procurement Bid Package -Light transport and i	8	07/18/05	07/28/05													Procurement Bid Package -Light transport and i																																															
UN502_0720	Procurement Bid Package -Motorized filter / ap	8	07/18/05	07/28/05													Procurement Bid Package -Motorized filter / ap																																															
UN502_0730	Procurement Bid Package -Camera assembly and s	10	07/18/05	08/01/05													Procurement Bid Package -Camera assembly and s																																															
UN502_0740	Bid Process - EBXPD-OTR	25	10/03/05	11/04/05													Bid Process - EBXPD-OTR																																															
UN502_0741	Evaluate Bids - EBXPD-OTR	1	11/07/05	11/07/05													Evaluate Bids - EBXPD-OTR																																															
UN502_0750	AWARD: Mirrors (11)	2	11/08/05	11/09/05													AWARD: Mirrors (11)																																															
UN502_0755	AWARD: Mirrors (11) Sppt	2	11/08/05	11/09/05													AWARD: Mirrors (11) Sppt																																															
UN502_0760	AWARD: Motorized shutter (upstream) (11)	2	11/08/05	11/09/05													AWARD: Motorized shutter (upstream) (11)																																															
UN502_0765	AWARD: Motorized shutter (upstream) (11) Sppt	2	11/08/05	11/09/05													AWARD: Motorized shutter (upstream) (11) Sppt																																															
UN502_0770	AWARD: Light transprt/imaging optics (vac) (11)	2	11/08/05	11/09/05													AWARD: Light transprt/imaging optics (vac) (11)																																															
UN502_0775	AWARD: Light transport/imaging optics Sppt	2	11/08/05	11/09/05													AWARD: Light transport/imaging optics Sppt																																															
UN502_0780	AWARD: Motorized filter/aperture changer (11)	2	11/08/05	11/09/05													AWARD: Motorized filter/aperture changer (11)																																															
UN502_0785	AWARD: Motorized filter/apt changer (11) Sppt	2	11/08/05	11/09/05													AWARD: Motorized filter/apt changer (11) Sppt																																															
UN502_0790	AWARD: Camera assembly and shielding (11)	2	11/08/05	11/09/05													AWARD: Camera assembly and shielding (11)																																															
UN502_0795	AWARD: Camera assm and shielding (11) Sppt	2	11/08/05	11/09/05													AWARD: Camera assm and shielding (11) Sppt																																															
UN502_0800	AWARD: Complete	0		10/04/06													AWARD: Complete																																															
UN502_0810	Rec: Mirrors (11)	40	10/05/06	12/01/06													Rec: Mirrors (11)																																															

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.04.05.02.05 Optical transition radiation imaging assembly</b>																																																																
UN502_0812	Rec: Motorized Shutter (upstream) (11)	40	10/05/06	12/01/06																									Rec: Motorized Shutter (upstream) (11)																																			
UN502_0814	Rec: Light transport/imaging optics (vac) (11)	40	10/05/06	12/01/06																									Rec: Light transport/imaging optics (vac) (11)																																			
UN502_0816	Rec: Motorized filter/aperture changer (11)	40	10/05/06	12/01/06																									Rec: Motorized filter/aperture changer (11)																																			
UN502_0818	Rec: Camera assembly and shielding (11)	40	10/05/06	12/01/06																									Rec: Camera assembly and shielding (11)																																			
UN502_0820	QA EBXPD OTR	5	12/04/06	12/08/06																																					QA EBXPD OTR																							
UN502_0830	AVAIL: EBXPD OTR	0		12/08/06																																					AVAIL: EBXPD OTR																							
<b>1.04.05.02.09 EBXPD Design &amp; Integration</b>																																																																
UN502_1400	Prelim Design EBXPD station	15	11/03/05	11/28/05																																					Prelim Design EBXPD station																							
UN502_1410	Prelim Design EBXPD Packaging for Shipment	10	11/29/05	12/13/05																																					Prelim Design EBXPD Packaging for Shipment																							
UN502_1420	Prelim Design EBXPD Supports	15	11/29/05	12/20/05																																					Prelim Design EBXPD Supports																							
UN502_1430	Design Review - EBXPD	7	12/21/05	01/03/06																																					Design Review - EBXPD																							
UN502_1450	Final Design EBXPD Packaging for Shipment	5	01/04/06	01/11/06																																					Final Design EBXPD Packaging for Shipment																							
UN502_1460	Final Design EBXPD Supports	12	01/04/06	01/23/06																																					Final Design EBXPD Supports																							
UN502_1440	Final Design EBXPD station	15	01/04/06	01/26/06																																					Final Design EBXPD station																							
UN502_1470	Prepare Bid Package EBXPD	8	01/27/06	02/08/06																																					Prepare Bid Package EBXPD																							
UN502_1650	Develop EBXPD Installation Plan	10	01/27/06	02/10/06																																					Develop EBXPD Installation Plan																							
UN502_1480	Bid Process EBXPD	25	02/09/06	03/16/06																																					Bid Process EBXPD																							
UN502_1660	Review EBXPD installation Plan	5	02/13/06	02/21/06																																					Review EBXPD installation Plan																							
UN502_1490	AWARD: EBXPD Package	2	03/17/06	03/20/06																																					AWARD: EBXPD Package																							
UN502_1495	AWARD: EBXPD Package Sppt	2	03/17/06	03/20/06																																					AWARD: EBXPD Package Sppt																							
UN502_1500	AWARD: Complete EBXPD	0		03/20/06																																					AWARD: Complete EBXPD																							
UN502_1540	Receive EBXPD	40	03/21/06	05/15/06																																					Receive EBXPD																							
UN502_1550	QA EBXPD	18	05/16/06	06/09/06																																					QA EBXPD																							
UN502_1560	Approve EBXPD	1	06/12/06	06/12/06																																					Approve EBXPD																							
UN502_1570	Organize Parts for Assembly EBXPD	5	12/14/06	12/20/06																																					Organize Parts for Assembly EBXPD																							
UN502_1580	Assemble EBXPD Package	25	12/21/06	01/29/07																																					Assemble EBXPD Package																							

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.04.05.02.09 EBXPD Design &amp; Integration</b>																																																																
UN502_1590	Integrate Controls into EBXPD	15	01/30/07	02/20/07																																																												
UN502_1610	Assemble EBXPD into Shipping Pac	10	02/21/07	03/06/07																																																												
UN502_1620	Write Shipping Paper Work EBXPD	2	03/07/07	03/08/07																																																												
UN502_1640	Transmit EBXPD Engineering Data to Slac	5	03/07/07	03/13/07																																																												
UN502_1630	Ship EBXPD to SLAC	0		03/08/07																																																												
UN502_1661	RFI: EBXPD	0		03/13/07																																																												
<b>1.04.05.04 End-of-Undulator(EOU) X-ray and Profile diagnost</b>																																																																
<b>1.04.05.04.01 Prototype Construction and Testing</b>																																																																
UN504_0010	Specification EOU	15	12/28/04	01/20/05																																																												
UN504_0015	Design test Fixtures	15	01/21/05	02/11/05																																																												
UN504_0017	Design Test Device	15	01/21/05	02/11/05																																																												
UN504_0030	EOU Test Device Fabrication	20	02/14/05	03/15/05																																																												
UN504_0020	Procure and Fabrication test Fixtures	25	02/14/05	03/22/05																																																												
UN504_0040	Define EOU Device Testing Facility	8	03/16/05	03/28/05																																																												
UN504_0050	Assemble Test Equipment and Station	10	03/29/05	04/12/05																																																												
UN504_0060	Integrate Controls into Test station	10	04/13/05	04/27/05																																																												
UN504_0070	Prototype Testing Complete	0		03/03/06																																																												
<b>1.04.05.04.02 Bunch Length Monitor-Streak Camera (BLM)</b>																																																																
UN504_0080	BLM Prototype Specification	15	12/28/04	01/20/05																																																												
UN504_0090	BLM Prototype Design	25	01/21/05	02/28/05																																																												
UN504_0100	BLM Prototype Fabrication	25	03/01/05	04/05/05																																																												
UN504_0110	Procurement Bid Package -Streak Camera Station	20	04/06/05	05/04/05																																																												
MSC_UN035	CRIT: Start Procurement of Streak Camera Station	0	05/05/05																																																													
UN504_0112	Procurement Bid Process- Streak Camera Station	25	05/05/05	06/09/05																																																												
UN504_0116	Evaluate Bids - Streak Camera Station	5	06/10/05	06/16/05																																																												
UN504_0120	AWARD: Streak Camera Station	3	06/17/05	06/22/05																																																												
UN504_0125	AWARD: Streak Camera Station Sppt	3	06/17/05	06/22/05																																																												

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.04.05.04.02 Bunch Length Monitor-Streak Camera (BLM)</b>																																																																
UN504_0130	Receive Streak Camera	150	06/23/05	01/30/06																																																												
UN504_0140	BLM Prototype Testing	8	01/31/06	02/10/06																																																												
UN504_0150	Review of PRT BLM Testing	8	02/13/06	02/24/06																																																												
UN504_0190	Procurement Bid Package -Electro Optics Measur	3	02/27/06	03/02/06																																																												
UN504_0210	Procurement Bid Package -Misc Parts & Vac Chmbr	5	02/27/06	03/06/06																																																												
UN504_0200	Procurement Bid Package -Timing System	10	02/27/06	03/13/06																																																												
UN504_0220	Procurement Bid Process - BLM	25	03/14/06	04/18/06																																																												
UN504_0225	Evaluate Bids - BLM	5	04/19/06	04/25/06																																																												
UN504_0135	AWARD: Electro Optics Measurements Sppt	3	04/26/06	05/01/06																																																												
UN504_0155	AWARD: Misc Parts & Vacuum Chamber Sppt	3	04/26/06	05/01/06																																																												
UN504_0230	AWARD: Electro Optics Measurements	3	04/26/06	05/01/06																																																												
UN504_0250	AWARD: Misc Parts & Vacuum Chamber	3	04/26/06	05/01/06																																																												
UN504_0145	AWARD: Timing System Sppt	5	04/26/06	05/03/06																																																												
UN504_0240	AWARD: Timing System	5	04/26/06	05/03/06																																																												
UN504_0260	AWARD: BLM Streak Camera	0		05/03/06																																																												
UN504_0270	Receive Packages	50	05/04/06	07/14/06																																																												
UN504_0280	QA BLM	5	07/17/06	07/21/06																																																												
UN504_0290	AVAIL: BLM	0		07/21/06																																																												
<b>1.04.05.04.03 Upstream corrector / separator</b>																																																																
UN504_0300	Upstream corrector / separator Specification	15	01/21/05	02/11/05																																																												
UN504_0310	Upstream corrector / separator Design	25	04/13/05	05/18/05																																																												
UN504_0320	Upstream corrector / separator Prototype Fabri	25	05/19/05	06/24/05																																																												
UN504_0330	Upstream corrector / separator Prototype Testi	10	01/31/06	02/14/06																																																												
UN504_0340	Review of Testing	5	02/15/06	02/23/06																																																												
UN504_0380	Procurement Bid Package -3 mrad kicker	8	02/24/06	03/08/06																																																												
UN504_0390	Procurement Bid Package -Kicker power supply	10	02/24/06	03/10/06																																																												

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.04.05.04.03 Upstream corrector / separator</b>																																																																
UN504_0400	Bid Process	25	03/13/06	04/17/06																																																												
UN504_0410	AWARD: 3 mrad kicker	3	04/18/06	04/21/06																																																												
UN504_0420	AWARD: Kicker power supply	3	04/18/06	04/21/06																																																												
UN504_0430	AWARD: Upstream Corrector/Separator	0		04/21/06																																																												
UN504_0440	Receive Packages	40	04/24/06	06/20/06																																																												
UN504_0450	QA Upstream Corrector/Separator	5	06/21/06	06/27/06																																																												
UN504_0460	AVAIL: Upstream Corrector/Separator	0		06/27/06																																																												
<b>1.04.05.04.04 Optical Diffraction radiation imaging assembly (</b>																																																																
UN504_0470	EOU-OTR Prototype Specification	10	01/21/05	02/04/05																																																												
UN504_0480	EOU-OTR Prototype Design	30	03/01/05	04/12/05																																																												
UN504_0485	EOU-OTR Prototype Design Review	1	04/13/05	04/13/05																																																												
UN504_0490	EOU-OTR Prototype Fabrication	25	04/14/05	05/19/05																																																												
UN504_0500	EOU-OTR Prototype Testing	10	01/31/06	02/14/06																																																												
UN504_0510	Review of Testing	8	02/15/06	02/28/06																																																												
UN504_0580	Procurement Bid Package -Support Table	4	03/01/06	03/07/06																																																												
UN504_0550	Procurement Bid Package -Translation Assembly	5	03/01/06	03/08/06																																																												
UN504_0560	Procurement Bid Package -Optical parts	5	03/01/06	03/08/06																																																												
UN504_0570	Procurement Bid Package -Vacuum Vessel	5	03/01/06	03/08/06																																																												
UN504_0590	Procurement Bid Package -Hardware	10	03/01/06	03/15/06																																																												
UN504_0600	Bid Process	30	03/16/06	04/27/06																																																												
UN504_0620	AWARD: Optical parts	3	04/28/06	05/03/06																																																												
UN504_0625	AWARD: Optical parts Sppt	3	04/28/06	05/03/06																																																												
UN504_0640	AWARD: Support Table	3	04/28/06	05/03/06																																																												
UN504_0645	AWARD: Support Table Sppt	3	04/28/06	05/03/06																																																												
UN504_0650	AWARD: Hardware	3	04/28/06	05/03/06																																																												
UN504_0655	AWARD: Hardware Sppt	3	04/28/06	05/03/06																																																												

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.04.05.04.04 Optical Diffraction radiation imaging assembly (</b>																																																																
UN504_0610	AWARD: Translation Assembly w/mirrors	4	04/28/06	05/04/06																																																	AWARD: Translation Assembly w/mirrors											
UN504_0615	AWARD: Translation Assembly w/mirrors Sppt	4	04/28/06	05/04/06																																																	AWARD: Translation Assembly w/mirrors Sppt											
UN504_0630	AWARD: Vacuum Vessel	4	04/28/06	05/04/06																																																	AWARD: Vacuum Vessel											
UN504_0635	AWARD: Vacuum Vessel Sppt	4	04/28/06	05/04/06																																																	AWARD: Vacuum Vessel Sppt											
UN504_0660	AWARD: EOU ODR Assembly	0		05/04/06																																																	AWARD: EOU ODR Assembly											
UN504_0670	Receive Packages	50	05/05/06	07/18/06																																																	Receive Packages											
UN504_0680	QA EOU ODR Assembly	5	07/19/06	07/25/06																																																	QA EOU ODR Assembly											
UN504_0690	AVAIL: EOU ODR Assembly	0		07/25/06																																																	AVAIL: EOU ODR Assembly											
<b>1.04.05.04.05 X-ray High Resolution monochromator assembly (EO</b>																																																																
UN504_0700	EOU-XRM Prototype Specification	10	01/21/05	02/04/05																																																	EOU-XRM Prototype Specification											
UN504_0710	EOU-XRM Prototype Design	35	05/19/05	07/11/05																																																	EOU-XRM Prototype Design											
UN504_0720	EOU-XRM Prototype Fabrication	30	07/12/05	08/23/05																																																	EOU-XRM Prototype Fabrication											
UN504_0730	EOU-XRM Prototype Testing	12	01/31/06	02/16/06																																																	EOU-XRM Prototype Testing											
UN504_0740	Review of Testing	8	02/17/06	03/02/06																																																	Review of Testing											
UN504_0780	Procurement Bid Package -Translation Assembly	5	03/03/06	03/10/06																																																	Procurement Bid Package -Translation Assembly											
UN504_0790	Procurement Bid Package -Rotary Assembly	7	03/03/06	03/14/06																																																	Procurement Bid Package -Rotary Assembly											
UN504_0800	Procurement Bid Package -X-Ray Optics	7	03/03/06	03/14/06																																																	Procurement Bid Package -X-Ray Optics											
UN504_0810	Procurement Bid Package -Detector & Visible Op	7	03/03/06	03/14/06																																																	Procurement Bid Package -Detector & Visible Op											
UN504_0820	Procurement Bid Package -Vacuum Vessel	8	03/03/06	03/15/06																																																	Procurement Bid Package -Vacuum Vessel											
UN504_0830	Procurement Bid Package -Support Table & H/W	6	03/16/06	03/23/06																																																	Procurement Bid Package -Support Table & H/W											
UN504_0840	Bid Process	25	03/24/06	04/28/06																																																	Bid Process											
UN504_0850	AWARD: Translation Assembly	3	05/01/06	05/04/06																																																	AWARD: Translation Assembly											
UN504_0855	AWARD: Translation Assembly Sppt	3	05/01/06	05/04/06																																																	AWARD: Translation Assembly Sppt											
UN504_0860	AWARD: Rotary Assembly	3	05/01/06	05/04/06																																																	AWARD: Rotary Assembly											
UN504_0865	AWARD: Rotary Assembly Sppt	3	05/01/06	05/04/06																																																	AWARD: Rotary Assembly Sppt											
UN504_0870	AWARD: X-Ray Optics	3	05/01/06	05/04/06																																																	AWARD: X-Ray Optics											

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.04.05.04.05 X-ray High Resolution monochromator assembly (EO)</b>																																																																
UN504_0875	AWARD: X-Ray Optics Sppt	3	05/01/06	05/04/06																																					AWARD: X-Ray Optics Sppt																							
UN504_0880	AWARD: Detector & Visible Optics Parts	3	05/01/06	05/04/06																																					AWARD: Detector & Visible Optics Parts																							
UN504_0885	AWARD: Detector & Visible Optics Parts Sppt	3	05/01/06	05/04/06																																					AWARD: Detector & Visible Optics Parts Sppt																							
UN504_0890	AWARD: Vacuum Vessel	3	05/01/06	05/04/06																																					AWARD: Vacuum Vessel																							
UN504_0895	AWARD: Vacuum Vessel Sppt	3	05/01/06	05/04/06																																					AWARD: Vacuum Vessel Sppt																							
UN504_0900	AWARD: Support Table and Hardware	3	05/01/06	05/04/06																																					AWARD: Support Table and Hardware																							
UN504_0905	AWARD: Support Table and Hardware Sppt	3	05/01/06	05/04/06																																					AWARD: Support Table and Hardware Sppt																							
UN504_0910	AWARD: EOU XRM Assembly	0		05/04/06																																					AWARD: EOU XRM Assembly																							
UN504_0920	Receive Packages	40	05/05/06	07/03/06																																					Receive Packages																							
UN504_0930	QA EOU XRM Assembly	5	07/05/06	07/11/06																																					QA EOU XRM Assembly																							
UN504_0940	AVAIL: EOU XRM Assembly	0		07/11/06																																					AVAIL: EOU XRM Assembly																							
<b>1.04.05.04.06 X-ray Imaging High Resolution detector assembly</b>																																																																
UN504_0950	EOU-XRID Prototype Specification	15	01/21/05	02/11/05																																					EOU-XRID Prototype Specification																							
UN504_0960	EOU-XRID Prototype Design	25	07/12/05	08/16/05																																					EOU-XRID Prototype Design																							
UN504_0970	EOU-XRID Prototype Fabrication	30	08/17/05	09/29/05																																					EOU-XRID Prototype Fabrication																							
UN504_0980	EOU-XRID Prototype Testing	13	01/31/06	02/17/06																																					EOU-XRID Prototype Testing																							
UN504_0990	Review of Testing	8	02/21/06	03/03/06																																					Review of Testing																							
UN504_1030	Procurement Bid Package of Ion / electron gun	5	03/06/06	03/13/06																																					Procurement Bid Package of Ion / electron gun																							
UN504_1050	Procurement Bid Package of Ion/electron detect	5	03/06/06	03/13/06																																					Procurement Bid Package of Ion/electron detect																							
UN504_1040	Procurement Bid Pkg of Ion/electron accel/optics	8	03/06/06	03/16/06																																					Procurement Bid Pkg of Ion/electron accel/optics																							
UN504_1060	Procurement Bid Package of Vacuum vessel	10	03/06/06	03/20/06																																					Procurement Bid Package of Vacuum vessel																							
UN504_1070	Procurement Bid Package of Translation stage	39	03/21/06	05/15/06																																					Procurement Bid Package of Translation stage																							
UN504_1080	Procurement Bid Package of Support Table & H/W	39	05/16/06	07/13/06																																					Procurement Bid Package of Support Table																							
UN504_1090	Bid Process	25	07/14/06	08/18/06																																					Bid Process																							
UN504_1100	AWARD: Ion / electron gun	3	08/21/06	08/24/06																																					AWARD: Ion / electron gun																							
UN504_1105	AWARD: Ion / electron gun Sppt	3	08/21/06	08/24/06																																					AWARD: Ion / electron gun Sppt																							

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.04.05.04.06 X-ray Imaging High Resolution detector assembly</b>					<b>AWARD: Ion / electron accelerator / optics</b>																																																											
UN504_1110	AWARD: Ion / electron accelerator / optics	3	08/21/06	08/24/06	<b>AWARD: Ion / electron accelerator / optics</b>																																																											
UN504_1115	AWARD: Ion / electron accelerator / optics Sppt	3	08/21/06	08/24/06	<b>AWARD: Ion / electron accelerator / optics Sppt</b>																																																											
UN504_1120	AWARD: Ion / electron detector assembly	3	08/21/06	08/24/06	<b>AWARD: Ion / electron detector assembly</b>																																																											
UN504_1125	AWARD: Ion / electron detector assembly Sppt	3	08/21/06	08/24/06	<b>AWARD: Ion / electron detector assembly Sppt</b>																																																											
UN504_1130	AWARD: Vacuum vessel	3	08/21/06	08/24/06	<b>AWARD: Vacuum vessel</b>																																																											
UN504_1135	AWARD: Vacuum vessel Sppt	3	08/21/06	08/24/06	<b>AWARD: Vacuum vessel Sppt</b>																																																											
UN504_1150	AWARD: Support Table & Hardware	4	08/21/06	08/25/06	<b>AWARD: Support Table &amp; Hardware</b>																																																											
UN504_1155	AWARD: Support Table & Hardware Sppt	4	08/21/06	08/25/06	<b>AWARD: Support Table &amp; Hardware Sppt</b>																																																											
UN504_1140	AWARD: Translation stage	4	12/20/06*	12/27/06	<b>AWARD: Translation stage</b>																																																											
UN504_1145	AWARD: Translation stage Sppt	4	12/20/06*	12/27/06	<b>AWARD: Translation stage Sppt</b>																																																											
UN504_1160	AWARD: EOU XRID Assembly	0		12/27/06	<b>AWARD: EOU XRID Assembly</b>																																																											
UN504_1170	Receive Packages	50	12/28/06	03/13/07	<b>Receive Packages</b>																																																											
UN504_1180	QA EOU XRID Assembly	5	03/14/07	03/20/07	<b>QA EOU XRID Assembly</b>																																																											
UN504_1190	AVAIL: EOU XRID Assembly	0		03/20/07	<b>AVAIL: EOU XRID Assembly</b>																																																											
<b>1.04.05.04.07 EOU Design and Integration</b>					<b>PD: EOU Major Assembly Design</b>																																																											
UN504_1260	PD: EOU Major Assembly Design	30	12/28/04	02/10/05	<b>PD: EOU Major Assembly Design</b>																																																											
UN504_1270	PD: EOU Shipping Containers	5	02/11/05	02/18/05	<b>PD: EOU Shipping Containers</b>																																																											
UN504_1280	PD: EOU Supports	12	02/11/05	03/02/05	<b>PD: EOU Supports</b>																																																											
UN504_1290	EOU Design Review	7	03/03/05	03/14/05	<b>EOU Design Review</b>																																																											
UN504_1330	EOU Design Complete	0		03/14/05	<b>EOU Design Complete</b>																																																											
UN504_1340	Prepare EOU Bid Package	5	03/15/05	03/22/05	<b>Prepare EOU Bid Package</b>																																																											
UN504_1520	Develop Installation Plan	13	03/15/05	04/01/05	<b>Develop Installation Plan</b>																																																											
UN504_1350	EOU Bid Process	25	03/23/05	04/27/05	<b>EOU Bid Process</b>																																																											
UN504_1530	Review installation Plan	5	04/04/05	04/11/05	<b>Review installation Plan</b>																																																											
UN504_1360	AWARD: EOU Package	3	04/28/05	05/03/05	<b>AWARD: EOU Package</b>																																																											
UN504_1370	AWARD: EOU	0		05/03/05	<b>AWARD: EOU</b>																																																											



Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04			FY05			FY06			FY07			FY08		
<b>1.04.05.04.07 EOU Design and Integration</b>																			
UN504_1410	Receive EOU Package	7	05/04/05	05/13/05															
UN504_1420	QA EOU Package	15	05/16/05	06/07/05															
UN504_1430	Approve EOU Package	3	06/08/05	06/13/05															
UN504_1440	Organize Parts for Assembly	5	06/14/05	06/21/05															
UN504_1450	Assemble EOU Package	20	03/21/07	04/18/07															
UN504_1460	Integrate Controls onto Assembly	18	04/19/07	05/15/07															
UN504_1470	Validation Testing of EOU	10	05/16/07	05/31/07															
UN504_1480	Pack EOU for Shipping	8	06/01/07	06/13/07															
UN504_1490	Write Shipping Paper Work - EOU	3	06/14/07	06/19/07															
UN504_1510	Transmit Engineering Data to SLAC	5	06/14/07	06/21/07															
UN504_1500	Ship to SLAC	0		06/19/07															
<b>1.04.05.05 RFBPM</b>																			
UN505_0010	Specification and Requirements RFBPM	10	10/04/04	10/15/04															
UN505_0020	Design RFBPM Test Device	25	10/18/04	11/19/04															
UN505_0030	Locate Suitable Facility	15	11/22/04	12/14/04															
UN505_0040	Build Test Device	15	11/22/04	12/14/04															
UN505_0050	Assemble RFBPM	5	12/15/04	12/21/04															
UN505_0060	Integrate RFBPM	5	12/22/04	12/30/04															
UN505_0070	RFBPM Device Testing	40	01/03/05	03/01/05															
UN505_0080	RFBPM Prototype Testing Complete	0		03/01/05															
UN505_0090	RFBPM Preliminary Design	15	03/02/05	03/22/05															
UN505_0100	RFBPM Design Review	5	03/23/05	03/29/05															
UN505_0110	RFBPM Final Design	10	03/30/05	04/12/05															
UN505_0120	RFBPM Design Complete	0		04/12/05															
UN505_0150	Prepare Bid of RF Cabling	2	04/13/05	04/14/05															
UN505_0130	Prepare Bid of Copper Body Brazement	5	04/13/05	04/19/05															

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04			FY05			FY06			FY07			FY08		
<b>1.04.05.05 RFBPM</b>																			
UN505_0140	Prepare Bid of Support & Alignment Mechanism	10	04/13/05	04/26/05															
UN505_0160	Bid Process - RFBPM	2	10/03/05	10/04/05															
UN505_0390	Evaluate Bids - RFBPM	1	10/05/05	10/05/05															
UN505_0170	AWARD: Copper Body Brazement (35)	3	10/06/05	10/10/05															
UN505_0175	AWARD: Copper Body Brazement (35) Sppt	3	10/06/05	10/10/05															
UN505_0180	AWARD: Support & Alignment Mechanism (35)	3	10/06/05	10/10/05															
UN505_0185	AWARD: Support & Alignment Mechanism (35) Sppt	3	10/06/05	10/10/05															
UN505_0190	AWARD: RF Cabling (35)	3	10/06/05	10/10/05															
UN505_0195	AWARD: RF Cabling (35) Sppt	3	10/06/05	10/10/05															
UN505_0200	AWARD: RFBPM	0		10/10/05															
UN505_0210	Rec: Copper Body Brazement (35)	60	10/11/05	01/06/06															
UN505_0212	Rec: Support & Alignment Mechanism (35)	60	10/11/05	01/06/06															
UN505_0214	Rec: RF Cabling (35)	60	10/11/05	01/06/06															
UN505_0220	QA Production Lot	15	01/09/06	01/30/06															
UN505_0230	Approve Production Lot	2	01/31/06	02/01/06															
UN505_0240	Pack RFBPM for Shipping	5	02/02/06	02/08/06															
UN505_0250	Write Shipping Paper Work-RFBPM	2	02/09/06	02/10/06															
UN505_0260	Transmit Engineering Data to SLAC-RFBPM	5	02/09/06	02/15/06															
UN505_0270	Develop Installation Plan-RFBPM	10	02/16/06	03/02/06															
UN505_0280	Review installation Plan-RFBPM	2	03/03/06	03/06/06															
UN505_0281	RFI: RFBPM	0		03/06/06															
MS3_UN045	RFI: RFBPM	0		05/31/06*															
<b>1.04.05.07 Charge Monitor (CM)</b>																			
UN507_0010	Specification and Requirements - CM	10	02/08/05	02/22/05															
UN507_0040	Preliminary Design - CM	15	02/23/05	03/15/05															
UN507_0020	Specification and Requirements - Cable	10	02/23/05	03/16/05															

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.04.05.07 Charge Monitor (CM)</b>																																																																
UN507_0050	Design Review - CM	5	03/16/05	03/22/05																																																												
UN507_0030	Purchase Cable	30	03/17/05	04/27/05																																																												
UN507_0060	Final Design - CM	15	03/23/05	04/12/05																																																												
UN507_0070	Design Complete - CM	0		04/12/05																																																												
UN507_0080	Prepare Bid of Charge Monitor Package	5	04/13/05	04/19/05																																																												
UN507_0180	Develop Installation Plan	13	04/13/05	04/29/05																																																												
UN507_0190	Review installation Plan	7	05/02/05	05/10/05																																																												
UN507_0280	RFI - Charge Monitor	1	05/11/05	05/11/05																																																												
UN507_0090	Bid Process - CM	25	10/03/05	11/04/05																																																												
UN507_0100	AWARD: Charge Monitor Package (2)	5	11/07/05	11/11/05																																																												
UN507_0102	AWARD: Charge Monitor Package (2) Sppt	5	11/07/05	11/11/05																																																												
UN507_0110	AWARD: Charge Monitor	0		10/09/06																																																												
UN507_0120	Rec: Charge Monitor Package (2)	30	10/10/06	11/20/06																																																												
UN507_0130	QA Production Lot	10	11/21/06	12/06/06																																																												
UN507_0140	Approve Production Lot	2	12/07/06	12/11/06																																																												
UN507_0150	Pack Charge Monitor for Shipping	7	12/12/06	12/21/06																																																												
UN507_0160	Write Shipping Paper Work	5	12/22/06	01/02/07																																																												
UN507_0170	Transmit Engineering Data to Slac	5	12/22/06	01/02/07																																																												
UN507_0172	RFI: Charge Monitor	0		01/02/07																																																												
<b>1.04.05.08 Cherenkov Detector</b>																																																																
UN508_0010	Specification and Requirements - Ch-D	10	11/22/04	12/07/04																																																												
UN508_0020	Preliminary Design - Ch-D	20	12/08/04	01/07/05																																																												
UN508_0030	Design Review - Ch-D	5	01/10/05	01/14/05																																																												
UN508_0170	Develop Installation Plan - Ch-D	10	01/18/05	01/31/05																																																												
UN508_0040	Final Design - Ch-D	15	01/18/05	02/07/05																																																												
UN508_0180	Review installation Plan - Ch-D	8	02/01/05	02/10/05																																																												

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.04.05.08 Cherenkov Detector</b>																																																																
UN508_0050	Design Complete - Ch-D	0		02/07/05																									◆ Design Complete - Ch-D																																			
UN508_0060	Prepare Bid of Cherenkov Detector Package	8	02/08/05	02/17/05																									■ Prepare Bid of Cherenkov Detector Package																																			
UN508_0070	Bid Process - Ch-D	25	10/03/05	11/04/05																									■ Bid Process - Ch-D																																			
UN508_0072	Evaluate Bids - Ch-D	3	11/07/05	11/09/05																									■ Evaluate Bids - Ch-D																																			
UN508_0080	AWARD: Cherenkov Detector Package (35)	5	11/10/05	11/16/05																									■ AWARD: Cherenkov Detector Package (35)																																			
UN508_0085	AWARD: Cherenkov Detector Package (35) Sppt	5	11/10/05	11/16/05																									■ AWARD: Cherenkov Detector Package (35) Sppt																																			
UN508_0090	AWARD: Complete - Ch-D	0		11/16/05																									◆ AWARD: Complete - Ch-D																																			
UN508_0160	Transmit Engineering Data to Slac-Ch-D	5	11/17/05	11/23/05																									■ Transmit Engineering Data to Slac-Ch-D																																			
UN508_0182	RFI: Cherenkov Detector	0		11/23/05																									◆ RFI: Cherenkov Detector																																			
UN508_0100	Rec: Cherenkov Detector (35)	30	11/28/05	01/10/06																									■ Rec: Cherenkov Detector (35)																																			
UN508_0110	QA Production Lot - Ch-D	10	01/11/06	01/25/06																									■ QA Production Lot - Ch-D																																			
UN508_0120	Approve Production Lot-Ch-D	2	01/26/06	01/27/06																									■ Approve Production Lot-Ch-D																																			
UN508_0130	Pack Cherenkov Detector for Shipping	5	01/30/06	02/03/06																									■ Pack Cherenkov Detector for Shipping																																			
UN508_0140	Write Shipping Paper Work-Ch-D	5	02/06/06	02/10/06																									■ Write Shipping Paper Work-Ch-D																																			
UN508_0150	Ship to SLAC-Ch-D	0		02/10/06																									◆ Ship to SLAC-Ch-D																																			
<b>1.04.05.09 Radiation Detection Monitor (RDM)</b>																																																																
UN509_0010	Specification and Requirements - RDM	10	02/11/05	02/28/05																									■ Specification and Requirements - RDM																																			
UN509_0090	Preliminary Design - RDM	25	03/01/05	04/04/05																									■ Preliminary Design - RDM																																			
UN509_0100	Design Review - RDM	5	04/05/05	04/11/05																									■ Design Review - RDM																																			
UN509_0110	Final Design - RDM	20	04/12/05	05/09/05																									■ Final Design - RDM																																			
UN509_0120	Design Complete - RDM	0		05/09/05																									◆ Design Complete - RDM																																			
UN509_0130	Prepare Bid of RDM Package	10	05/10/05	05/23/05																									■ Prepare Bid of RDM Package																																			
UN509_0240	Develop Installation Plan - RDM	15	05/10/05	05/31/05																									■ Develop Installation Plan - RDM																																			
UN509_0250	Review installation Plan - RDM	5	06/01/05	06/07/05																									■ Review installation Plan - RDM																																			
UN509_0140	Bid Process - RDM	30	10/03/05	11/11/05																									■ Bid Process - RDM																																			
UN509_0141	Evaluate Bid - RDM	3	11/14/05	11/16/05																									■ Evaluate Bid - RDM																																			

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.04.05.09 Radiation Detection Monitor (RDM)</b>																																																																
UN509_0150	AWARD: RDM Package (1)	5	11/17/05	11/23/05																																					AWARD: RDM Package (1)																							
UN509_0155	AWARD: RDM Package (1) Sppt	5	11/17/05	11/23/05																																					AWARD: RDM Package (1) Sppt																							
UN509_0160	AWARD: of RDM Complete	0		10/09/06																																					AWARD: of RDM Complete																							
UN509_0170	Receive - RDM (1)	30	10/10/06	11/20/06																																					Receive - RDM (1)																							
UN509_0180	QA - RDM	10	11/21/06	12/06/06																																					QA - RDM																							
UN509_0190	Approve - RDM	3	12/07/06	12/11/06																																					Approve - RDM																							
UN509_0200	Pack RDM for Shipping	10	12/12/06	12/26/06																																					Pack RDM for Shipping																							
UN509_0210	Write Shipping Paper Work - RDM	5	12/27/06	01/03/07																																					Write Shipping Paper Work - RDM																							
UN509_0230	Transmit Engineering Data to Slac - RDM	5	12/27/06	01/03/07																																					Transmit Engineering Data to Slac - RDM																							
UN509_0220	Ship RDM to SLAC	0		01/03/07																																					Ship RDM to SLAC																							
UN509_0232	RFI: Radiation Detection Monitor	0		01/03/07																																					RFI: Radiation Detection Monitor																							
<b>1.04.05.11 Supplemental Shielding</b>																																																																
UN511_0010	Specification and Requirements - Sup S	10	01/27/06	02/10/06																																					Specification and Requirements - Sup S																							
UN511_0020	Preliminary Design - Sup S	40	02/13/06	04/11/06																																					Preliminary Design - Sup S																							
UN511_0030	Design Review - Sup S	5	04/12/06	04/19/06																																					Design Review - Sup S																							
UN511_0040	Final Design - Sup S	18	04/20/06	05/16/06																																					Final Design - Sup S																							
UN511_0050	Design Complete - Sup S	0		05/16/06																																					Design Complete - Sup S																							
UN511_0060	Prepare Bid of Misc Shielding	10	05/17/06	06/01/06																																					Prepare Bid of Misc Shielding																							
UN511_0190	Develop Installation Plan - Sup S	20	05/17/06	06/15/06																																					Develop Installation Plan - Sup S																							
UN511_0070	Prepare Bid of Shielding Supports	8	06/02/06	06/14/06																																					Prepare Bid of Shielding Supports																							
UN511_0080	Bid Process - Sup S	25	06/15/06	07/21/06																																					Bid Process - Sup S																							
UN511_0200	Review installation Plan - Sup S	5	06/16/06	06/23/06																																					Review installation Plan - Sup S																							
UN511_0205	RFI Supplemental Shielding	0		06/23/06																																					RFI Supplemental Shielding																							
UN511_0090	AWARD: Procurement of Misc Shielding	5	07/24/06	07/31/06																																					AWARD: Procurement of Misc Shielding																							
UN511_0095	AWARD: Procurement of Misc Shielding Sppt	5	07/24/06	07/31/06																																					AWARD: Procurement of Misc Shielding																							
UN511_0100	AWARD: Procurement of Shielding Supports	5	07/24/06	07/31/06																																					AWARD: Procurement of Shielding Supp																							

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.04.05.11 Supplemental Shielding</b>																																																																
UN511_0105	AWARD: Procurement of Shielding Supports Sppt	5	07/24/06	07/31/06																																																	AWARD: Procurement of Shielding Supp											
UN511_0110	AWARD: Supplemental Shielding Complete	0		07/31/06																																																	AWARD: Supplemental Shielding Comp											
UN511_0120	Receive Production Lot - Sup S	30	08/01/06	09/13/06																																																	Receive Production Lot - Sup S											
UN511_0130	QA Production Lot - Sup S	10	09/14/06	09/28/06																																																	QA Production Lot - Sup S											
UN511_0140	Approve Production Lot - Sup S	2	09/29/06	10/03/06																																																	Approve Production Lot - Sup S											
UN511_0150	Pack Supplemental Shielding for Shipping-Sup	10	10/04/06	10/18/06																																																	Pack Supplemental Shielding for Sh											
UN511_0180	Transmit Engineering Data to Slac - Sup S	5	10/19/06	10/26/06																																																	Transmit Engineering Data to Slac - Sup S											
UN511_0160	Write Shipping Paper Work - Sup S	10	10/19/06	11/02/06																																																	Write Shipping Paper Work - Sup S											
UN511_0182	RFI: Supplemental Shielding	0		10/26/06																																																	RFI: Supplemental Shielding											
UN511_0170	Ship to SLAC - Sup S	0		11/02/06																																																	Ship to SLAC - Sup S											
<b>1.04.06 Undulator System Installation and Alignment</b>																																																																
<b>1.04.06.01 Undulator System Installation and Alignment Inte</b>																																																																
<b>1.04.06.01.01 Undulator System</b>																																																																
UN601_0755	Set Up Girder	1	05/03/06	05/03/06																																																	Set Up Girder											
UN601_0760	Mount Adjustable Feet	1	05/03/06	05/03/06																																																	Mount Adjustable Feet											
UN601_0750	GIRDER #1 SUMMARY	7*	05/03/06	05/11/06																																																	GIRDER #1 SUMMARY											
UN601_0740	ASSY & PREALIGN GRANITE GIRDERS SUMMARY	117*	05/03/06	10/17/06																																																	ASSY & PREALIGN GRANITE GIRDE											
UN601_0765	Mount Mechanical Adjustment System	1	05/04/06	05/04/06																																																	Mount Mechanical Adjustment System											
UN601_0770	Mount CAM Movers	1	05/05/06	05/05/06																																																	Mount CAM Movers											
UN601_0775	Mount Temp Acq Sys Components	1	05/05/06	05/05/06																																																	Mount Temp Acq Sys Components											
UN601_0780	HLS Pipe Installation & Welding	1	05/08/06	05/08/06																																																	HLS Pipe Installation & Welding											
UN601_0785	Align Support Girder wrt Feet	2	05/09/06	05/10/06																																																	Align Support Girder wrt Feet											
UN601_0805	Set Up Girder	1	05/10/06	05/10/06																																																	Set Up Girder											
UN601_0810	Mount Adjustable Feet	1	05/10/06	05/10/06																																																	Mount Adjustable Feet											
UN601_0800	GIRDER #2 SUMMARY	7*	05/10/06	05/18/06																																																	GIRDER #2 SUMMARY											
UN601_0790	Attach Insulation	1	05/11/06	05/11/06																																																	Attach Insulation											
UN601_0795	Girder #1 RFI	0		05/11/06																																																	Girder #1 RFI											

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04			FY05			FY06			FY07			FY08			
<b>1.04.06.01.01 Undulator System</b>																				
UN601_0815	Mount Mechanical Adjustment System	1	05/11/06	05/11/06																<b>Mount Mechanical Adjustment System</b>
UN601_0820	Mount CAM Movers	1	05/12/06	05/12/06																<b>Mount CAM Movers</b>
UN601_0825	Mount Temp Acq Sys Components	1	05/12/06	05/12/06																<b>Mount Temp Acq Sys Components</b>
UN601_0830	HLS Pipe Installation & Welding	1	05/15/06	05/15/06																<b>HLS Pipe Installation &amp; Welding</b>
UN601_0835	Align Support Girder wrt Feet	2	05/16/06	05/17/06																<b>Align Support Girder wrt Feet</b>
UN601_0855	Set Up Girder	1	05/17/06	05/17/06																<b>Set Up Girder</b>
UN601_0860	Mount Adjustable Feet	1	05/17/06	05/17/06																<b>Mount Adjustable Feet</b>
UN601_0850	GIRDER #3 SUMMARY	7*	05/17/06	05/25/06																<b>GIRDER #3 SUMMARY</b>
UN601_0840	Attach Insulation	1	05/18/06	05/18/06																<b>Attach Insulation</b>
UN601_0845	Girder #2 RFI	0		05/18/06																◆ <b>Girder #2 RFI</b>
UN601_0865	Mount Mechanical Adjustment System	1	05/18/06	05/18/06																<b>Mount Mechanical Adjustment System</b>
UN601_0870	Mount CAM Movers	1	05/19/06	05/19/06																<b>Mount CAM Movers</b>
UN601_0875	Mount Temp Acq Sys Components	1	05/19/06	05/19/06																<b>Mount Temp Acq Sys Components</b>
UN601_0880	HLS Pipe Installation & Welding	1	05/22/06	05/22/06																<b>HLS Pipe Installation &amp; Welding</b>
UN601_0885	Align Support Girder wrt Feet	2	05/23/06	05/24/06																<b>Align Support Girder wrt Feet</b>
UN601_0905	Set Up Girder	1	05/24/06	05/24/06																<b>Set Up Girder</b>
UN601_0910	Mount Adjustable Feet	1	05/24/06	05/24/06																<b>Mount Adjustable Feet</b>
UN601_0900	GIRDER #4 SUMMARY	7*	05/24/06	06/02/06																<b>GIRDER #4 SUMMARY</b>
UN601_0890	Attach Insulation	1	05/25/06	05/25/06																<b>Attach Insulation</b>
UN601_0895	Girder #3 RFI	0		05/25/06																◆ <b>Girder #3 RFI</b>
UN601_0915	Mount Mechanical Adjustment System	1	05/25/06	05/25/06																<b>Mount Mechanical Adjustment System</b>
UN601_0920	Mount CAM Movers	1	05/26/06	05/26/06																<b>Mount CAM Movers</b>
UN601_0925	Mount Temp Acq Sys Components	1	05/26/06	05/26/06																<b>Mount Temp Acq Sys Components</b>
UN601_0930	HLS Pipe Installation & Welding	1	05/30/06	05/30/06																<b>HLS Pipe Installation &amp; Welding</b>
UN601_0935	Align Support Girder wrt Feet	2	05/31/06	06/01/06																<b>Align Support Girder wrt Feet</b>
UN601_0940	Attach Insulation	1	06/02/06	06/02/06																<b>Attach Insulation</b>

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.04.06.01.01 Undulator System</b>																																																																
UN601_0945	Girder #4 RFI	0		06/02/06																																																	◆ Girder #4 RFI											
UN601_1305	Vertical Monitoring of Tunnel Floor	4	08/23/06	08/28/06																																																	Vertical Monitoring of Tunnel Floor											
UN601_1300	ALIGNMT LAYOUT COMPUTATIONS & MONITORING SUMMARY	97*	08/23/06	01/11/07																																																	█ ALIGNMT LAYOUT COMPUTATIONS & MONITORING SUMMARY											
UN601_0955	Set Up Girder	1	08/25/06	08/25/06																																																	Set Up Girder											
UN601_0960	Mount Adjustable Feet	1	08/25/06	08/25/06																																																	Mount Adjustable Feet											
UN601_0950	GIRDER #5 SUMMARY	7*	08/25/06	09/05/06																																																	GIRDER #5 SUMMARY											
UN601_0965	Mount Mechanical Adjustment System	1	08/28/06	08/28/06																																																	Mount Mechanical Adjustment System											
UN601_0970	Mount CAM Movers	1	08/29/06	08/29/06																																																	Mount CAM Movers											
UN601_0975	Mount Temp Acq Sys Components	1	08/29/06	08/29/06																																																	Mount Temp Acq Sys Components											
UN601_0980	HLS Pipe Installation & Welding	1	08/30/06	08/30/06																																																	HLS Pipe Installation & Welding											
UN601_0985	Align Support Girder wrt Feet	2	08/31/06	09/01/06																																																	Align Support Girder wrt Feet											
UN601_0000	REQD: Undulator #1 RFI	0		09/01/06																																																	◆ REQD: Undulator #1 RFI											
UN601_1005	Set Up Girder	1	09/01/06	09/01/06																																																	Set Up Girder											
UN601_1010	Mount Adjustable Feet	1	09/01/06	09/01/06																																																	Mount Adjustable Feet											
UN601_1000	GIRDER #6 SUMMARY	7*	09/01/06	09/12/06																																																	GIRDER #6 SUMMARY											
UN601_0990	Attach Insulation	1	09/05/06	09/05/06																																																	Attach Insulation											
UN601_0995	Girder #5 RFI	0		09/05/06																																																	◆ Girder #5 RFI											
UN601_1015	Mount Mechanical Adjustment System	1	09/05/06	09/05/06																																																	Mount Mechanical Adjustment System											
UN601_1020	Mount CAM Movers	1	09/06/06	09/06/06																																																	Mount CAM Movers											
UN601_1025	Mount Temp Acq Sys Components	1	09/06/06	09/06/06																																																	Mount Temp Acq Sys Components											
UN601_1030	HLS Pipe Installation & Welding	1	09/07/06	09/07/06																																																	HLS Pipe Installation & Welding											
UN601_1035	Align Support Girder wrt Feet	2	09/08/06	09/11/06																																																	Align Support Girder wrt Feet											
UN601_1055	Set Up Girder	1	09/11/06	09/11/06																																																	Set Up Girder											
UN601_1060	Mount Adjustable Feet	1	09/11/06	09/11/06																																																	Mount Adjustable Feet											
UN601_1050	GIRDER #7 SUMMARY	7*	09/11/06	09/19/06																																																	GIRDER #7 SUMMARY											
UN601_1040	Attach Insulation	1	09/12/06	09/12/06																																																	Attach Insulation											



Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.04.06.01.01 Undulator System</b>																																																																
UN601_1045	Girder #6 RFI	0		09/12/06																																																												
UN601_1065	Mount Mechanical Adjustment System	1	09/12/06	09/12/06																																																												
UN601_1070	Mount CAM Movers	1	09/13/06	09/13/06																																																												
UN601_1075	Mount Temp Acq Sys Components	1	09/13/06	09/13/06																																																												
UN601_1080	HLS Pipe Installation & Welding	1	09/14/06	09/14/06																																																												
UN601_1085	Align Support Girder wrt Feet	2	09/15/06	09/18/06																																																												
UN601_1105	Set Up Girder	1	09/18/06	09/18/06																																																												
UN601_1110	Mount Adjustable Feet	1	09/18/06	09/18/06																																																												
UN601_1100	GIRDER #8 SUMMARY	7*	09/18/06	09/26/06																																																												
UN601_1090	Attach Insulation	1	09/19/06	09/19/06																																																												
UN601_1095	Girder #7 RFI	0		09/19/06																																																												
UN601_1115	Mount Mechanical Adjustment System	1	09/19/06	09/19/06																																																												
UN601_1120	Mount CAM Movers	1	09/20/06	09/20/06																																																												
UN601_1125	Mount Temp Acq Sys Components	1	09/20/06	09/20/06																																																												
UN601_1130	HLS Pipe Installation & Welding	1	09/21/06	09/21/06																																																												
UN601_1310	Vertical Monitoring of Tunnel Floor	4	09/21/06	09/26/06																																																												
UN601_1135	Align Support Girder wrt Feet	2	09/22/06	09/25/06																																																												
UN601_1155	Set Up Girder	1	09/25/06	09/25/06																																																												
UN601_1160	Mount Adjustable Feet	1	09/25/06	09/25/06																																																												
UN601_1150	GIRDER #9 SUMMARY	7*	09/25/06	10/03/06																																																												
UN601_1140	Attach Insulation	1	09/26/06	09/26/06																																																												
UN601_1145	Girder #8 RFI	0		09/26/06																																																												
UN601_1165	Mount Mechanical Adjustment System	1	09/26/06	09/26/06																																																												
UN601_1170	Mount CAM Movers	1	09/27/06	09/27/06																																																												
UN601_1175	Mount Temp Acq Sys Components	1	09/27/06	09/27/06																																																												
UN601_1180	HLS Pipe Installation & Welding	1	09/28/06	09/28/06																																																												

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.04.06.01.01 Undulator System</b>																																																																
UN601_1185	Align Support Girder wrt Feet	2	09/29/06	10/02/06																																																	Align Support Girder wrt Feet											
UN601_1205	Set Up Girder	1	10/02/06	10/02/06																																																	Set Up Girder											
UN601_1210	Mount Adjustable Feet	1	10/02/06	10/02/06																																																	Mount Adjustable Feet											
UN601_1200	GIRDER #10 SUMMARY	7*	10/02/06	10/10/06																																																	GIRDER #10 SUMMARY											
UN601_0005	REQD: Undulator #2 RFI	0		10/03/06																																																	◆ REQD: Undulator #2 RFI											
UN601_1190	Attach Insulation	1	10/03/06	10/03/06																																																	Attach Insulation											
UN601_1195	Girder #9 RFI	0		10/03/06																																																	◆ Girder #9 RFI											
UN601_1215	Mount Mechanical Adjustment System	1	10/03/06	10/03/06																																																	Mount Mechanical Adjustment System											
UN601_1220	Mount CAM Movers	1	10/04/06	10/04/06																																																	Mount CAM Movers											
UN601_1225	Mount Temp Acq Sys Components	1	10/04/06	10/04/06																																																	Mount Temp Acq Sys Components											
UN601_1230	HLS Pipe Installation & Welding	1	10/05/06	10/05/06																																																	HLS Pipe Installation & Welding											
UN601_1235	Align Support Girder wrt Feet	2	10/06/06	10/09/06																																																	Align Support Girder wrt Feet											
UN601_1255	Set Up Girder	1	10/09/06	10/09/06																																																	Set Up Girder											
UN601_1260	Mount Adjustable Feet	1	10/09/06	10/09/06																																																	Mount Adjustable Feet											
UN601_1250	GIRDER #11 SUMMARY	7*	10/09/06	10/17/06																																																	GIRDER #11 SUMMARY											
UN601_1240	Attach Insulation	1	10/10/06	10/10/06																																																	Attach Insulation											
UN601_1245	Girder #10 RFI	0		10/10/06																																																	◆ Girder #10 RFI											
UN601_1265	Mount Mechanical Adjustment System	1	10/10/06	10/10/06																																																	Mount Mechanical Adjustment System											
UN601_1270	Mount CAM Movers	1	10/11/06	10/11/06																																																	Mount CAM Movers											
UN601_1275	Mount Temp Acq Sys Components	1	10/11/06	10/11/06																																																	Mount Temp Acq Sys Components											
UN601_1280	HLS Pipe Installation & Welding	1	10/12/06	10/12/06																																																	HLS Pipe Installation & Welding											
UN601_1285	Align Support Girder wrt Feet	2	10/13/06	10/16/06																																																	Align Support Girder wrt Feet											
UN601_1290	Attach Insulation	1	10/17/06	10/17/06																																																	Attach Insulation											
UN601_1295	Girder #11 RFI	0		10/17/06																																																	◆ Girder #11 RFI											
UN601_1315	Vertical Monitoring of Tunnel Floor	4	10/19/06	10/24/06																																																	Vertical Monitoring of Tunnel Floor											
UN601_0010	REQD: Undulator #3 RFI	0		11/01/06																																																	◆ REQD: Undulator #3 RFI											

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
					<b>1.04.06.01.01 Undulator System</b>																																																											
UN601_1320	Vertical Monitoring of Tunnel Floor	4	11/16/06	11/21/06																																					Vertical Monitoring of Tunnel Floor																							
UN601_0015	REQD: Undulator #4 RFI	0		11/21/06																																					REQD: Undulator #4 RFI																							
UN601_0020	REQD: Undulator #5 RFI	0		11/30/06																																					REQD: Undulator #5 RFI																							
UN601_0025	REQD: Undulator #7 RFI	0		12/15/06																																					REQD: Undulator #7 RFI																							
UN601_1325	Vertical Monitoring of Tunnel Floor	4	12/18/06	12/21/06													Vertical Monitoring of Tunnel Floor																																															
UN601_1330	Design Network	10	12/18/06	01/02/07																																					Design Network																							
UN601_0030	REQD: Undulator #6 RFI	0		12/22/06																																					REQD: Undulator #6 RFI																							
UN601_0035	REQD: Undulator #9 RFI	0		01/02/07																																					REQD: Undulator #9 RFI																							
UN601_1355	Layout Network Points	2	01/03/07	01/04/07																																					Layout Network Points																							
UN601_1335	Computation of Layout Parameters	5	01/03/07	01/09/07																																					Computation of Layout Parameters																							
UN601_1350	NETWORK INSTALLATION SUMMARY	5*	01/03/07	01/09/07																																					NETWORK INSTALLATION SUMMARY																							
UN601_1360	Network Installation	5	01/03/07	01/09/07																																					Network Installation																							
UN601_1345	INSTALLATION & ALIGNMENT SUMMARY	215*	01/03/07	11/06/07																									INSTALLATION & ALIGNMENT SUMMARY																																			
UN601_0040	REQD: Undulator #8 RFI	0		01/09/07																																					REQD: Undulator #8 RFI																							
UN601_1340	Quality Control	2	01/10/07	01/11/07																																					Quality Control																							
UN601_1370	Measurements(Laser Tracker,Level,Total Station)	10	01/10/07	01/24/07																																					Measurements(Laser Tracker,Level,Total Station)																							
UN601_1365	ALIGNMENT REFERENCE NETWORK MSMTS SUMMARY	13*	01/10/07	01/29/07																																					ALIGNMENT REFERENCE NETWORK MSMTS SUMMARY																							
UN601_0045	REQD: Undulator #11 RFI	0		01/17/07																																					REQD: Undulator #11 RFI																							
UN601_1375	Data Evaluation	5	01/19/07	01/25/07																																					Data Evaluation																							
UN601_0050	REQD: Undulator #10 RFI	0		01/24/07																																					REQD: Undulator #10 RFI																							
UN601_1380	Quality Control	2	01/26/07	01/29/07																																					Quality Control																							
UN601_1381	Mark Support Bolts on Floor	5	01/30/07	02/05/07																																					Mark Support Bolts on Floor																							
UN601_0055	REQD: Undulator #13 RFI	0		02/01/07																																					REQD: Undulator #13 RFI																							
UN601_1382	Quality Control	2	02/05/07	02/06/07																																					Quality Control																							
UN601_0060	REQD: Undulator #12 RFI	0		02/07/07																																					REQD: Undulator #12 RFI																							
UN601_1390	Drill Holes	5	02/07/07	02/13/07																																					Drill Holes																							

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.04.06.01.01 Undulator System</b>																																																																
UN601_1395	Set Studs	5	02/07/07	02/13/07																																					█Set Studs																							
UN601_1385	FOOT PLATE INSTALLATION SUMMARY	25*	02/07/07	03/14/07													FOOT PLATE INSTALLATION SUMMARY																																															
UN601_1400	Install Plates, Pre-Set Height	2	02/12/07	02/13/07																																					█Install Plates, Pre-Set Height																							
UN601_1405	Prealign Plates to 0.5mm	10	02/13/07	02/27/07																																					█Prealign Plates to 0.5mm																							
UN601_0065	REQD: Undulator #15 RFI	0		02/16/07																																					◆REQD: Undulator #15 RFI																							
UN601_1410	Quality Control: Map Plate Positions	2	02/20/07	02/21/07																																					█Quality Control: Map Plate Positions																							
UN601_1415	Quality Control: Data Evaluation	1	02/22/07	02/22/07																																					█Quality Control: Data Evaluation																							
UN601_0070	REQD: Undulator #14 RFI	0		02/23/07																																					◆REQD: Undulator #14 RFI																							
UN601_1420	Grout Plates	5	02/23/07	03/01/07																																					█Grout Plates																							
UN601_1425	Quality Control: Map Plate Positions	2	03/02/07	03/05/07																																					█Quality Control: Map Plate Positions																							
UN601_0075	REQD: Undulator #17 RFI	0		03/06/07																																					◆REQD: Undulator #17 RFI																							
UN601_1430	Quality Control: Data Evaluation	1	03/06/07	03/06/07																																					█Quality Control: Data Evaluation																							
UN601_1435	Grout Plates	5	03/07/07	03/13/07																																					█Grout Plates																							
UN601_0080	REQD: Undulator #16 RFI	0		03/13/07																																					◆REQD: Undulator #16 RFI																							
UN601_1440	Clean Tunnel	2	03/13/07	03/14/07																																					█Clean Tunnel																							
UN601_1500	Exit Section Supts Transport & Install	2	03/15/07	03/16/07																																					█Exit Section Supts Transport & Install																							
UN601_1490	GRANITE GIRDER & EXIT/ENTR SECTION SUPTS INSTALL	13*	03/15/07	04/02/07																																					█GRANITE GIRDER & EXIT/EN																							
UN601_1510	Granite Girder #11 Transport & Install	3	03/19/07	03/21/07																																					█Granite Girder #11 Transport & Install																							
UN601_0085	REQD: Undulator #19 RFI	0		03/21/07																																					◆REQD: Undulator #19 RFI																							
UN601_1515	Granite Girder #10 Transport & Install	1	03/22/07	03/22/07																																					█Granite Girder #10 Transport & Install																							
UN601_1520	Granite Girder #9 Transport & Install	1	03/23/07	03/23/07																																					█Granite Girder #9 Transport & Install																							
UN601_1525	Granite Girder #8 Transport & Install	1	03/23/07	03/23/07																																					█Granite Girder #8 Transport & Install																							
UN601_1530	Granite Girder #7 Transport & Install	1	03/26/07	03/26/07																																					█Granite Girder #7 Transport & Install																							
UN601_0090	REQD: Undulator #18 RFI	0		03/27/07																																					◆REQD: Undulator #18 RFI																							
UN601_1535	Granite Girder #6 Transport & Install	1	03/27/07	03/27/07																																					█Granite Girder #6 Transport & Install																							
UN601_1540	Granite Girder #5 Transport & Install	1	03/28/07	03/28/07																																					█Granite Girder #5 Transport & Install																							

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.04.06.01.01 Undulator System</b>																																																																
UN601_1545	Granite Girder #4 Transport & Install	1	03/29/07	03/29/07																																																												
UN601_1550	Granite Girder #3 Transport & Install	1	03/29/07	03/29/07																																																												
UN601_1575	Measurements(Laser Tracker,Level,Total Station)	5	03/29/07	04/04/07																																																												
UN601_1580	Stretched Wire Measurements	5	03/29/07	04/04/07																																																												
UN601_1585	Data Evaluation	5	03/29/07	04/04/07																																																												
UN601_1570	RE-MEASURE ALIGNMENT REFERENCE NETWORK	10*	03/29/07	04/11/07																																																												
UN601_1555	Granite Girder #2 Transport & Install	1	03/30/07	03/30/07																																																												
UN601_1560	Granite Girder #1 Transport & Install	1	03/30/07	03/30/07																																																												
UN601_1565	Exit Section Supports Transport & Install	1	04/02/07	04/02/07																																																												
UN601_1635	Align Mech Undulator Supports to 250 Micron	10	04/02/07	04/13/07																																																												
UN601_0095	REQD: Undulator #21 RFI	0		04/05/07																																																												
UN601_1590	Quality Control	5	04/05/07	04/11/07																																																												
UN601_0100	REQD: Undulator #20 RFI	0		04/11/07																																																												
UN601_1595	PRE-ALIGNMENT	2*	04/12/07	04/13/07																																																												
UN601_1610	Set Cam Movers to Zero	2	04/12/07	04/13/07																																																												
UN601_1620	GIRDERS #1 - 5	2*	04/12/07	04/13/07																																																												
UN601_1630	Set Cam Movers to Zero	2	04/12/07	04/13/07																																																												
UN601_1605	Level Granite Girders	4	04/12/07	04/17/07																																																												
UN601_1625	Level Granite Girders	4	04/12/07	04/17/07																																																												
UN601_1600	TABLES #6 - 11	13*	04/12/07	04/30/07																																																												
UN601_1615	Align Mech Undulator Supports to 250 Micron	10	04/17/07	04/30/07																																																												
UN601_0105	REQD: Undulator #23 RFI	0		04/20/07																																																												
UN601_0110	REQD: Undulator #22 RFI	0		04/26/07																																																												
UN601_1645	Cradle #1 Transport and Install	1	04/26/07	04/26/07																																																												
UN601_1650	Cradle #2 Transport and Install	1	04/26/07	04/26/07																																																												
UN601_1655	Cradle #3 Transport and Install	1	04/26/07	04/26/07																																																												

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.04.06.01.01 Undulator System</b>																																																																
UN601_1660	Cradle #4 Transport and Install	1	04/26/07	04/26/07																																																												
UN601_1640	INSTALL CRADLES	53*	04/26/07	07/11/07																																					INSTALL CRADLES																							
UN601_1665	Cradle #5 Transport and Install	1	04/27/07	04/27/07																																																												
UN601_1670	Cradle #6 Transport and Install	1	04/27/07	04/27/07																																																												
UN601_1675	Cradle #7 Transport and Install	1	04/27/07	04/27/07																																																												
UN601_1680	Cradle #8 Transport and Install	1	04/27/07	04/27/07																																																												
UN601_1685	Cradle #9 Transport and Install	1	04/30/07	04/30/07																																																												
UN601_1690	Cradle #10 Transport and Install	1	04/30/07	04/30/07																																																												
UN601_1695	Cradle #11 Transport and Install	1	04/30/07	04/30/07																																																												
UN601_1700	Cradle #12 Transport and Install	1	04/30/07	04/30/07																																																												
UN601_1705	Cradle #13 Transport and Install	1	05/01/07	05/01/07																																																												
UN601_1710	Cradle #14 Transport and Install	1	05/01/07	05/01/07																																																												
UN601_1715	Cradle #15 Transport and Install	1	05/01/07	05/01/07																																																												
UN601_1720	Cradle #16 Transport and Install	1	05/01/07	05/01/07																																																												
UN601_1725	Cradle #17 Transport and Install	1	05/02/07	05/02/07																																																												
UN601_1730	Cradle #18 Transport and Install	1	05/02/07	05/02/07																																																												
UN601_1735	Cradle #19 Transport and Install	1	05/02/07	05/02/07																																																												
UN601_1740	Cradle #20 Transport and Install	1	05/02/07	05/02/07																																																												
UN601_1745	Cradle #21 Transport and Install	1	05/03/07	05/03/07																																																												
UN601_1750	Cradle #22 Transport and Install	1	05/03/07	05/03/07																																																												
UN601_1755	Cradle #23 Transport and Install	1	05/03/07	05/03/07																																																												
UN601_0115	REQD: Undulator #25 RFI	0		05/07/07																																																	REQD: Undulator #25 RFI											
UN601_1760	Cradle #25 Transport and Install	1	05/08/07	05/08/07																																																												
UN601_0120	REQD: Undulator #24 RFI	0		05/11/07																																																	REQD: Undulator #24 RFI											
UN601_1765	Cradle #24 Transport and Install	1	05/14/07	05/14/07																																																												
UN601_0125	REQD: Undulator #27 RFI	0		05/22/07																																																	REQD: Undulator #27 RFI											

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.04.06.01.01 Undulator System</b>																																																																
UN601_1770	Cradle #27 Transport and Install	1	05/23/07	05/23/07																																																												
UN601_0130	REQD: Undulator #26 RFI	0		05/29/07																																																												
UN601_1775	Cradle #26 Transport and Install	1	05/30/07	05/30/07																																																												
UN601_0135	REQD: Undulator #29 RFI	0		06/07/07																																																												
UN601_1780	Cradle #29 Transport and Install	1	06/08/07	06/08/07																																																												
UN601_0140	REQD: Undulator #28 RFI	0		06/13/07																																																												
UN601_1785	Cradle #28 Transport and Install	1	06/14/07	06/14/07																																																												
UN601_0145	REQD: Undulator #31 RFI	0		06/22/07																																																												
UN601_1790	Cradle #31 Transport and Install	1	06/25/07	06/25/07																																																												
UN601_0150	REQD: Undulator #30 RFI	0		06/28/07																																																												
UN601_1795	Cradle #30 Transport and Install	1	06/29/07	06/29/07																																																												
UN601_0155	REQD: Undulator #33 RFI	0		07/10/07																																																												
UN601_1800	Cradle #33 Transport and Install	1	07/11/07	07/11/07																																																												
UN601_0160	REQD: Undulator #32 RFI	0		07/16/07																																																												
UN601_1805	Cradle #32 Transport and Install	1	07/17/07	07/17/07																																																												
UN601_1812	HLS INSTALLATION	2*	07/18/07	07/19/07																																																	HLS INSTALLATION											
UN601_1815	HLS Sensor Installation	2	07/18/07	07/19/07																																																	HLS Sensor Installation											
UN601_1835	Cable Connections	2	07/18/07	07/19/07																																																	Cable Connections											
UN601_1875	WMS Sensor Installation	2	07/18/07	07/19/07																																																	WMS Sensor Installation											
UN601_1877	WMS Wire Tube Installation	3	07/18/07	07/20/07																																																	WMS Wire Tube Installation											
UN601_1880	WMS Electronics Installation	4	07/18/07	07/23/07																																																	WMS Electronics Installation											
UN601_1820	Pipe Interconnections w/Flexible Tubing	5	07/18/07	07/24/07																																																	Pipe Interconnections w/Flexible Tubing											
UN601_1870	WMS INSTALLATION	10*	07/18/07	07/31/07																																																	WMS INSTALLATION											
UN601_1895	Cable Termination	10	07/18/07	07/31/07																																																	Cable Termination											
UN601_1810	HYDROSTATIC LEVEL SYSTEM	32*	07/18/07	08/30/07																																																	HYDROSTATIC LEVEL SYSTEM											
UN601_1865	WIRE MONITORING SYSTEM	50*	07/18/07	09/26/07																																																	WIRE MONITORING SYSTEM											

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.04.06.01.01 Undulator System</b>																																																																
UN601_1825	Install Refill Station	5	07/25/07	07/31/07																																																	Install Refill Station											
UN601_1830	Fill and Leak Testing	2	08/01/07	08/02/07																																																	Fill and Leak Testing											
UN601_1905	WMS System Testing	10	08/01/07	08/14/07																																																	WMS System Testing											
UN601_1900	WMS TESTING	40*	08/01/07	09/26/07																																																	WMS TESTING											
UN601_1920	Software Changes	40	08/01/07	09/26/07																																																	Software Changes											
UN601_1845	HLS System Testing	10	08/03/07	08/16/07																																																	HLS System Testing											
UN601_1840	HLS TESTING	20*	08/03/07	08/30/07																																																	HLS TESTING											
UN601_1860	Software Changes	20	08/03/07	08/30/07																																																	Software Changes											
UN601_1910	Mechanical Tuning	5	08/08/07	08/14/07																																																	Mechanical Tuning											
UN601_1915	Electrical Tuning	10	08/08/07	08/21/07																																																	Electrical Tuning											
UN601_1850	Mechanical Tuning	5	08/10/07	08/16/07																																																	Mechanical Tuning											
UN601_1855	Electrical Tuning	5	08/10/07	08/16/07																																																	Electrical Tuning											
UN601_1863	HLS ready for measurements	0		08/30/07																																																	HLS ready for measurements											
UN601_2015	HLS Measurements	5	08/31/07	09/07/07																																																	HLS Measurements											
UN601_2005	Remeasurement(Laser Tracker,Level,Total Station)	5	09/20/07	09/26/07																																																	Remeasurement(Laser Tracker,Level,Total Station)											
UN601_2000	RE-MEASURE NETWORK	20*	09/20/07	10/17/07																																																	RE-MEASURE NETWORK											
UN601_1922	WMS ready for measurements	0		09/26/07																																																	WMS ready for measurements											
UN601_2010	Stretched Wire Measurements-along granite Girdrs	5	09/27/07	10/03/07																																																	Stretched Wire Measurements-along granite Girdrs											
UN601_2020	Data Evaluation	5	10/04/07	10/10/07																																																	Data Evaluation											
UN601_2025	Quality Control	5	10/11/07	10/17/07																																																	Quality Control											
UN601_2035	Set Cradle X,Y Mechanical Adjustments	4	10/18/07	10/23/07																																																	Set Cradle X,Y Mechanical Adjustments											
UN601_2030	ALIGN CRADLES	14*	10/18/07	11/06/07																																																	ALIGN CRADLES											
UN601_2040	Quality Control	5	10/22/07	10/26/07																																																	Quality Control											
UN601_2045	Set Cradle X,Y Cam Mover Adjustments	4	10/29/07	11/01/07																																																	Set Cradle X,Y Cam Mover Adjustments											
UN601_2050	Quality Control	5	10/31/07	11/06/07																																																	Quality Control											
MSB_0515	Undulator System Installation Complete	0		04/15/08*																																																	Undulator System Installation Complete											



Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.04.06.02 Control System Installation and Alignment</b>																																																																
UN462_0000	Equipment Available at SLAC & Und B.O.	0		12/15/06	Equipment Available at SLAC & Und B.O.◆																																																											
UN462_0005	Install Racks in Alcoves/End Stations	5	12/18/06	12/22/06	Install Racks in Alcoves/End Stations																																																											
UN462_0010	Install Cables from Racks to Tunnel Locations	5	12/26/06	01/02/07	Install Cables from Racks to Tunnel Locations																																																											
UN462_0020	Install Rack Mount Equipment	5	12/26/06	01/02/07	Install Rack Mount Equipment																																																											
UN462_0015	Terminate Cables	10	01/03/07	01/17/07	Terminate Cables																																																											
UN462_0460	Connect Devices @ Exit Section	1	04/11/07	04/11/07	Connect Devices @ Exit Section																																																											
UN462_0465	Test Devices @ Exit Section	1	04/12/07	04/12/07	Test Devices @ Exit Section																																																											
UN462_0390	Connect Devices @ Undulator #4	1	04/27/07	04/27/07	Connect Devices @ Undulator #4																																																											
UN462_0400	Connect Devices @ Undulator #3	1	04/27/07	04/27/07	Connect Devices @ Undulator #3																																																											
UN462_0410	Connect Devices @ Undulator #2	1	04/27/07	04/27/07	Connect Devices @ Undulator #2																																																											
UN462_0420	Connect Devices @ Undulator #1	1	04/27/07	04/27/07	Connect Devices @ Undulator #1																																																											
UN462_0350	Connect Devices @ Undulator #8	1	04/30/07	04/30/07	Connect Devices @ Undulator #8																																																											
UN462_0360	Connect Devices @ Undulator #7	1	04/30/07	04/30/07	Connect Devices @ Undulator #7																																																											
UN462_0370	Connect Devices @ Undulator #6	1	04/30/07	04/30/07	Connect Devices @ Undulator #6																																																											
UN462_0380	Connect Devices @ Undulator #5	1	04/30/07	04/30/07	Connect Devices @ Undulator #5																																																											
UN462_0395	Test Devices @ Undulator #4	1	04/30/07	04/30/07	Test Devices @ Undulator #4																																																											
UN462_0405	Test Devices @ Undulator #3	1	04/30/07	04/30/07	Test Devices @ Undulator #3																																																											
UN462_0415	Test Devices @ Undulator #2	1	04/30/07	04/30/07	Test Devices @ Undulator #2																																																											
UN462_0425	Test Devices @ Undulator #1	1	04/30/07	04/30/07	Test Devices @ Undulator #1																																																											
UN462_0310	Connect Devices @ Undulator #12	1	05/01/07	05/01/07	Connect Devices @ Undulator #12																																																											
UN462_0320	Connect Devices @ Undulator #11	1	05/01/07	05/01/07	Connect Devices @ Undulator #11																																																											
UN462_0330	Connect Devices @ Undulator #10	1	05/01/07	05/01/07	Connect Devices @ Undulator #10																																																											
UN462_0340	Connect Devices @ Undulator #9	1	05/01/07	05/01/07	Connect Devices @ Undulator #9																																																											
UN462_0355	Test Devices @ Undulator #8	1	05/01/07	05/01/07	Test Devices @ Undulator #8																																																											
UN462_0365	Test Devices @ Undulator #7	1	05/01/07	05/01/07	Test Devices @ Undulator #7																																																											
UN462_0375	Test Devices @ Undulator #6	1	05/01/07	05/01/07	Test Devices @ Undulator #6																																																											





Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.04.06.02 Control System Installation and Alignment</b>																																																																
UN462_0115	Test Devices @ Undulator #32	1	07/19/07	07/19/07																																					Test Devices @ Undulator #32																							
UN462_0500	Test Devices Under Vacuum	1	08/22/07	08/22/07																																					Test Devices Under Vacuum																							
<b>1.04.06.04 Vacuum System Installation and Alignment</b>																																																																
UN48_00590	Exit Section Assembly & Support Arrive at SLAC	8	03/22/07	04/03/07																																					Exit Section Assembly & Support Arrive at SLAC																							
UN48_00595	Install Exit Section Components	5	04/04/07	04/10/07																																					Install Exit Section Components																							
UN48_00600	Install Pumps	5	04/11/07	04/17/07																																					Install Pumps																							
UN43_00570	Standard Bellows Arrive at SLAC	10	04/11/07	04/24/07																																					Standard Bellows Arrive at SLAC																							
UN47_00590	Entrance Section Assy & Support Arrive at SLAC	10	04/27/07	05/10/07*																																					Entrance Section Assy & Support Arrive at SLAC																							
UN47_00595	Install Entrance Section Components	5	05/11/07	05/17/07																																					Install Entrance Section Components																							
UN45_00450	Short Diagnostic Break Assembly Arrive at SLAC	10	05/16/07	05/30/07																																					Short Diagnostic Break Assembly Arrive at SLAC																							
UN45_00460	Install Short Break Section Components	5	05/31/07	06/06/07																																					Install Short Break Section Components																							
UN46_00530	Long Diagnostic Break Assembly Arrive at SLAC	10	06/11/07	06/22/07																																					Long Diagnostic Break Assembly Arrive at SLAC																							
UN46_00540	Install Long Break Section Components	10	06/26/07	07/10/07																																					Install Long Break Section Components																							
UN48_00605	Make Up Vacuum	10	07/18/07	07/31/07																																					Make Up Vacuum																							
UN48_00610	Make Up Vacuum	10	07/18/07	07/31/07																																					Make Up Vacuum																							
UN48_00620	Pump Down	10	08/01/07	08/14/07																																					Pump Down																							
UN48_00625	Leak Test	5	08/15/07	08/21/07																																					Leak Test																							
UN48_00630	Controls System Checkout	10	08/22/07	09/05/07																																					Controls System Checkout																							
UN48_00635	System Checkout	10	09/06/07	09/19/07																																					System Checkout																							
<b>1.04.06.05 Diagnostics System Installation and Alignment</b>																																																																
UN508_0190	Cherenkov Detector Arrive at SLAC	10	02/13/06	02/27/06																																					Cherenkov Detector Arrive at SLAC																							
UN505_0290	RFBPM Arrive at SLAC	10	06/01/06	06/14/06																																					RFBPM Arrive at SLAC																							
UN511_0210	Supplemental Shielding Arrive at SLAC	10	11/03/06	11/17/06																																					Supplemental Shielding Arrive at SLAC																							
UN511_0220	Install Supplemental Shielding	20	12/18/06	01/18/07																																					Install Supplemental Shielding																							
UN507_0200	Charge Monitor Arrive at SLAC	10	01/03/07	01/18/07																																					Charge Monitor Arrive at SLAC																							
UN509_0260	RDM Arrive at SLAC	10	01/04/07	01/18/07																																					RDM Arrive at SLAC																							

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.04.06.05 Diagnostics System Installation and Alignment</b>																																																																
UN511_0230	Inspect Supplemental Shielding Placement and S	5	01/19/07	01/26/07	Inspect Supplemental Shielding Placement and S																																																											
UN511_0240	Supplemental Shielding Available	0		01/26/07	Supplemental Shielding Available																																																											
UN511_0260	Complete - Sup S Testing	0		02/20/07	Complete - Sup S Testing																																																											
UN502_1670	EBXPD Arrive at SLAC	10	03/09/07	03/22/07	EBXPD Arrive at SLAC																																																											
UN502_1675	EBXPD #1 Temperature Stabilization	3	03/23/07	03/27/07	EBXPD #1 Temperature Stabilization																																																											
UN502_1680	Pre-Align EBXPD #1 at SLAC	3	03/28/07	03/30/07	Pre-Align EBXPD #1 at SLAC																																																											
UN502_1685	RFI: EBXPD #1	0		03/30/07	RFI: EBXPD #1																																																											
UN502_1690	EBXPD #2 Temperature Stabilization	3	04/02/07	04/04/07	EBXPD #2 Temperature Stabilization																																																											
UN502_1695	Pre-Align EBXPD #2 at SLAC	3	04/05/07	04/09/07	Pre-Align EBXPD #2 at SLAC																																																											
UN502_1700	RFI: EBXPD #2	0		04/09/07	RFI: EBXPD #2																																																											
UN502_1705	EBXPD #3 Temperature Stabilization	3	04/10/07	04/12/07	EBXPD #3 Temperature Stabilization																																																											
UN502_1710	Pre-Align EBXPD #3 at SLAC	3	04/13/07	04/17/07	Pre-Align EBXPD #3 at SLAC																																																											
UN502_1715	RFI: EBXPD #3	0		04/17/07	RFI: EBXPD #3																																																											
UN502_1720	EBXPD #4 Temperature Stabilization	3	04/18/07	04/20/07	EBXPD #4 Temperature Stabilization																																																											
UN502_1725	Pre-Align EBXPD #4 at SLAC	3	04/23/07	04/25/07	Pre-Align EBXPD #4 at SLAC																																																											
UN502_1730	RFI: EBXPD #4	0		04/25/07	RFI: EBXPD #4																																																											
UN502_1735	EBXPD #5 Temperature Stabilization	3	04/26/07	04/30/07	EBXPD #5 Temperature Stabilization																																																											
UN502_1740	Pre-Align EBXPD #5 at SLAC	3	05/01/07	05/03/07	Pre-Align EBXPD #5 at SLAC																																																											
UN502_1745	RFI: EBXPD #5	0		05/03/07	RFI: EBXPD #5																																																											
UN502_1752	EBXPD #6 Temperature Stabilization	3	05/04/07	05/08/07	EBXPD #6 Temperature Stabilization																																																											
UN502_1754	Pre-Align EBXPD #6 at SLAC	3	05/09/07	05/11/07	Pre-Align EBXPD #6 at SLAC																																																											
UN502_1757	RFI: EBXPD #6	0		05/11/07	RFI: EBXPD #6																																																											
UN502_1760	EBXPD #7 Temperature Stabilization	3	05/14/07	05/16/07	EBXPD #7 Temperature Stabilization																																																											
UN502_1765	Pre-Align EBXPD #7 at SLAC	3	05/17/07	05/21/07	Pre-Align EBXPD #7 at SLAC																																																											
UN502_1770	RFI: EBXPD #7	0		05/21/07	RFI: EBXPD #7																																																											
UN502_1775	EBXPD #8 Temperature Stabilization	3	05/22/07	05/24/07	EBXPD #8 Temperature Stabilization																																																											

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.04.06.05 Diagnostics System Installation and Alignment</b>																																																																
UN502_1780	Pre-Align EBXPD #8 at SLAC	3	05/25/07	05/30/07																																					Pre-Align EBXPD #8 at SLAC																							
UN502_1785	RFI: EBXPD #8	0		05/30/07																																					RFI: EBXPD #8																							
UN502_1790	EBXPD #9 Temperature Stabilization	3	05/31/07	06/04/07																																					EBXPD #9 Temperature Stabilization																							
UN502_1795	Pre-Align EBXPD #9 at SLAC	3	06/05/07	06/07/07																																					Pre-Align EBXPD #9 at SLAC																							
UN502_1800	RFI: EBXPD #9	0		06/07/07																																					RFI: EBXPD #9																							
UN502_1805	EBXPD #10 Temperature Stabilization	3	06/08/07	06/12/07																																					EBXPD #10 Temperature Stabilization																							
UN502_1810	Pre-Align EBXPD #10 at SLAC	3	06/13/07	06/15/07																																					Pre-Align EBXPD #10 at SLAC																							
UN502_1815	RFI: EBXPD #10	0		06/15/07																																					RFI: EBXPD #10																							
UN502_1820	EBXPD #11 (Spare) Temperature Stabilization	3	06/18/07	06/20/07																																					EBXPD #11 (Spare) Temperature Stabilization																							
UN504_1540	EOU Arrive at SLAC	10	06/20/07	07/05/07																																					EOU Arrive at SLAC																							
UN502_1825	Pre-Align EBXPD #11 at SLAC	3	06/21/07	06/25/07																																					Pre-Align EBXPD #11 at SLAC																							
UN502_1830	RFI: EBXPD #11	0		06/25/07																																					RFI: EBXPD #11																							
UN504_1550	Pre-Align EOU at SLAC	20	07/06/07	08/03/07																																					Pre-Align EOU at SLAC																							
UN504_1560	Install EOU	20	08/06/07	09/04/07																																					Install EOU																							
UN504_1570	Align EOU	15	09/05/07	09/26/07																																					Align EOU																							
UN504_1580	Validate EOU	7	09/27/07	10/08/07																																					Validate EOU																							
UN504_1590	EOU Available	0		10/08/07																																					EOU Available																							
UN504_1600	Integrate EOU	20	10/09/07	11/06/07																																					Integrate EOU																							
UN504_1610	Test EOU	15	11/07/07	11/30/07																																					Test EOU																							
UN504_1630	Complete EOU Testing	0		12/20/07																																					Complete EOU Testing																							
<b>1.05 X-RAY TRANSPORT &amp; DIAGNOSTICS SYSTEMS</b>																																																																
<b>1.05.01 System Management &amp; Integration</b>																																																																
<b>1.05.01.01 Management</b>																																																																
<b>1.05.01.01.01 XTOD Management - Technical</b>																																																																
XT_013	Establish WBS	10	10/01/03A	10/14/03A																																																												
XT_012	Develop Detail Schedule	60	10/01/03A	01/05/04A																																																												
XT_015	Resource Load Schedule - 1	117	10/01/03A	03/31/04A	Resource Load Schedule - 1																																																											

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.05.01.01.01 XTOD Management - Technical</b>																																																																
XT_017	Prepare Basis of Estimate - 1	117	10/01/03A	03/31/04A	Prepare Basis of Estimate - 1																																																											
XT_054	Prepare Monthly Reports - 1	117	10/01/03A	03/31/04A	Prepare Monthly Reports - 1																																																											
XT_062	Travel - 1	117	10/01/03A	03/31/04A	Travel - 1																																																											
XT_072	Meetings - 1	117	10/01/03A	03/31/04A	Meetings - 1																																																											
XT_018	Assign Risk Level	5	12/01/03A	12/15/03A																																																												
XT_027	Acquisition Plan - 1	80	01/05/04A	09/01/04	Acquisition Plan - 1																																																											
XT_019	Project Office Review Detail Schedule	10	01/06/04A	02/06/04A																																																												
XT_023	COMP: Detailed Schedule	0		01/06/04A																																																												
XT_022	COMP: Schedule Approved by Project Office	0		02/06/04A																																																												
XT_032	Prepare for EIR Review	40	04/01/04A	06/10/04A	Prepare for EIR Review																																																											
XT_025	Resource Load Schedule - 2	40	04/01/04A	06/30/04A	Resource Load Schedule - 2																																																											
XT_037	Prepare Basis of Estimate - 2	40	04/01/04A	06/14/04	Prepare Basis of Estimate - 2																																																											
XT_024	Management & Oversight - 1	128	04/01/04A	09/30/04	Management & Oversight - 1																																																											
XT_064	Prepare Monthly Reports - 2	152	04/01/04A	11/30/04	Prepare Monthly Reports - 2																																																											
XT_162	Travel - 2	379*	04/01/04A	09/30/05	Travel - 2																																																											
XT_172	Meetings - 2	379*	04/01/04A	09/30/05	Meetings - 2																																																											
XT_042	EIR Review	40	06/07/04A	06/25/04A	EIR Review																																																											
XT_044	Review Experiment Data	200	06/01/04	03/18/05	Review Experiment Data																																																											
XT_026	Management & Oversight - 2	251	10/01/04	09/30/05	Management & Oversight - 2																																																											
XT_0301	Hire Physicist	60	10/04/04	12/30/04	Hire Physicist																																																											
XT_034	Hire Mech Engineer	60	10/04/04	12/30/04	Hire Mech Engineer																																																											
XT_052	End FY-04	0		11/30/04	End FY-04																																																											
XT_0300	Hire Controls Engineer	119	03/21/05	09/06/05	Hire Controls Engineer																																																											
XT_0302	Hire Optics Engineer	119	03/21/05	09/06/05	Hire Optics Engineer																																																											
XT_35567	Meetings - 3	753	10/03/05	09/30/08	Meetings - 3																																																											
XT_446	Management & Oversight - 3	753	10/03/05	09/30/08	Management & Oversight - 3																																																											

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.05.01.01.01 XTOD Management - Technical</b>																																																																
XT_55	Travel - 3	753	10/03/05	09/30/08													Travel - 3																																															
XT_122	REQD: NEH BO	1	10/02/06	10/02/06																																					REQD: NEH BO																							
XT_092	REQD: FEE BO	1	04/13/07	04/13/07																																					REQD: FEE BO																							
XT_142	REQD: Tunnel BO	1	07/03/07	07/03/07																																					REQD: Tunnel BO																							
XT_132	REQD: FEH BO	1	08/02/07	08/02/07																																					REQD: FEH BO																							
XT_082	COMP: X-Ray Transport	0		09/30/08																																					COMP: X-Ray Transport												◆											
XT_LOE	X-ray LOE Complete	0		09/30/08																																					X-ray LOE Complete												◆											
<b>1.05.01.01.02 LLNL Project Support</b>																																																																
XT11_1000	Financial/Budget Support - LLNL - PED	379*	04/01/04A	09/30/05																																					Financial/Budget Support - LLNL - PED																							
XT11_1001	Administrative/Database Support - LLNL - PED	379*	04/01/04A	09/30/05																																					Administrative/Database Support - LLNL - PED																							
XT11_1002	Teleconfernce/Comp - LLNL - PED	379*	04/01/04A	09/30/05																																					Teleconfernce/Comp - LLNL - PED																							
XT11_1004	Project Support M&S - LLNL - PED	379*	04/01/04A	09/30/05																																					Project Support M&S - LLNL - PED																							
XT_23	Financial/Budget Support - LLNL - CON	753	10/03/05	09/30/08																																																												
XT_233	Administrative/Database Support - LLNL-CON	753	10/03/05	09/30/08																																																												
XT_234	Teleconfernce/Comp - LLNL-CON	753	10/03/05	09/30/08																																																												
XT_235	Project Support M&S - LLNL-CON	753	10/03/05	09/30/08																																																												
<b>1.05.02 Controls</b>																																																																
<b>1.05.02.02 Slow Controls</b>																																																																
XT_0102	Specification - Slow Controls	40	09/07/05	11/01/05																																					Specification - Slow Controls																							
XT_0103	Design - Slow Controls	120	11/02/05	04/26/06																																					Design - Slow Controls																							
XT_0104	Design Review - Slow Controls	20	04/27/06	05/24/06																																					Design Review - Slow Controls																							
XT_0118	COMP: Design Controls	0		05/24/06																																					COMP: Design Controls												◆											
XT_0108	Prepare Bid Pkg Servers - Slow Controls	20	05/25/06	06/22/06																																					Prepare Bid Pkg Servers - Slow Controls																							
XT_0109	Bid Process Servers - Slow Controls	40	06/23/06	08/18/06																																					Bid Process Servers - Slow Controls																							
XT_0119	AWARD: Contract Servers - Slow Controls	1	08/21/06	08/21/06																																					AWARD: Contract Servers - Slow Controls																							
XT_0113	Vendor Fab/Ship Servers - Slow Controls	100	08/22/06	01/16/07																																					Vendor Fab/Ship Servers - Slow Control																							
XT_0114	RECV: Servers (4 Qty) - Slow Controls	0		01/16/07																																					RECV: Servers (4 Qty) - Slow Controls												◆											



Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.05.02.02 Slow Controls</b>																																																																
XT_0115	Assemble FEE - Slow Controls	20	01/17/07	02/13/07																																					■ Assemble FEE - Slow Controls																							
XT_0126	Assemble Near Hall - Slow Controls	20	01/17/07	02/13/07													■ Assemble Near Hall - Slow Control																																															
XT_0132	Assemble Far Hall - Slow Controls	20	01/17/07	02/13/07													■ Assemble Far Hall - Slow Control																																															
XT_0116	Programming FEE - Slow Controls	20	02/14/07	03/14/07													■ Programming FEE - Slow Control																																															
XT_0127	Programming Near Hall - Slow Controls	20	02/14/07	03/14/07													■ Programming Near Hall - Slow Control																																															
XT_0133	Programming Far Hall - Slow Controls	20	02/14/07	03/14/07													■ Programming Far Hall - Slow Control																																															
XT_0125	REQD: Near Hall Beneficial Occup - Slow Controls	0		03/14/07	◆ REQD: Near Hall Beneficial Occup - Slow Control																																																											
XT_0124	REQD: FEE Beneficial Occup - Slow Controls	0		04/13/07	◆ REQD: FEE Beneficial Occup - Slow Control																																																											
XT_0131	REQD: Far Hall Beneficial Occup - Slow Controls	0		08/02/07	◆ REQD: Far Hall Beneficial Occup - Slow Control																																																											
<b>1.05.02.03 Fast Controls</b>																																																																
XT_01433	Specification - Fast Controls	40	05/25/06	07/21/06																																					■ Specification - Fast Controls																							
XT_0144	Design - Fast Controls	40	07/24/06	09/18/06																																					■ Design - Fast Controls																							
XT_0154	COMP: Design - Fast Controls	0		09/18/06																																					◆ COMP: Design - Fast Controls																							
XT_44	Prepare Bid Pkg - Fast Controls	20	09/19/06	10/16/06																																					■ Prepare Bid Pkg - Fast Controls																							
XT_64	Bid Process - Fast Controls	40	10/17/06	12/13/06																																					■ Bid Process - Fast Controls																							
XT_46	AWARD: Contract - Fast Controls	1	12/14/06	12/14/06																																					■ AWARD: Contract - Fast Controls																							
XT_47	Vendor Fab/Ship - Fast Controls	100	12/15/06	05/09/07																																					■ Vendor Fab/Ship - Fast Control																							
XT_48	RECV: Electronics - Fast Controls	0		05/09/07																																					◆ RECV: Electronics - Fast Controls																							
XT_50	Assemble FEE - Fast Controls	20	05/10/07	06/07/07																																					■ Assemble FEE - Fast Control																							
XT_51	Programming FEE - Fast Controls	20	06/08/07	07/06/07																																					■ Programming FEE - Fast Control																							
XT_49	REQD: FEE Beneficial Occup - Fast Controls	0		07/06/07																																					◆ REQD: FEE Beneficial Occup - Fast Control																							
XT_52	AVAIL: FEE Fast Controls	0		07/06/07																																					◆ AVAIL: FEE Fast Controls																							
<b>1.05.02.04 Femto Controls</b>																																																																
XT_01149	Specification - Femto Controls	40	05/25/06	07/21/06																																					■ Specification - Femto Controls																							
XT_0148	Design - Femto Controls	40	07/24/06	09/18/06																																					■ Design - Femto Controls																							
XT_0149	COMP: Design - Femto Controls	0		09/18/06																																					◆ COMP: Design - Femto Controls																							

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.05.02.04 Femto Controls</b>																																																																
XT_0150	Prepare Bid Pkg - Femto Controls	20	09/19/06	10/16/06																																					■ Prepare Bid Pkg - Femto Controls																							
XT_11446	Bid Process - Femto Controls	40	10/17/06	12/13/06																																					■ Bid Process - Femto Controls																							
XT_01147	AWARD: Contract - Femto Controls	1	12/14/06	12/14/06																																					AWARD: Contract - Femto Controls																							
XT_0145	Vendor Fab/Ship - Femto Controls	100	12/15/06	05/09/07																																					Vendor Fab/Ship - Femto Control ■																							
XT_01148	RECV: Electronics - Femto Controls	0		05/09/07																																					RECV: Electronics - Femto Controls ◆																							
XT_0152	Assemble FEE - Femto Controls	20	05/10/07	06/07/07																																					Assemble FEE - Femto Control ■																							
XT_0153	Programming FEE - Femto Controls	20	06/08/07	07/06/07																																					Programming FEE - Femto Control ■																							
XT_01155	AVAIL: FEE Femto Controls	0		07/06/07																																					AVAIL: FEE Femto Controls ◆																							
XT_0151	REQD: FEE Beneficial Occup - Femto Controls	0		07/06/07																																					REQD: FEE Beneficial Occup - Femto Control ◆																							
<b>1.05.03 Mechanical &amp; Vacuum Subsystem</b>																																																																
<b>1.05.03.02 Mech/Vac Front End</b>																																																																
XT_1452	AWARD: Contract Vacuum System Cart - Mech/Vac	1	06/01/04	06/01/04																																					AWARD: Contract Vacuum System Cart - Mech/Vac																							
XT_1457	AWARD: Contract Welding Cart - Mech/Vac	1	06/01/04	06/01/04																																					AWARD: Contract Welding Cart - Mech/Vac																							
XT_1462	AWARD: Contract Tools - Mech/Vac	1	06/01/04	06/01/04																																					AWARD: Contract Tools - Mech/Vac																							
XT_513	AWARD: Contract Leak Detectors - Mech/Vac	1	06/01/04	06/01/04																																					AWARD: Contract Leak Detectors - Mech/Vac																							
XT_1453	Vendor Fab/Ship Vacuum System Cart - Mech/Vac	20	06/02/04	06/29/04																																					■ Vendor Fab/Ship Vacuum System Cart - Mech/Vac																							
XT_1458	Vendor Fab/Ship Welding Cart - Mech/Vac	20	06/02/04	06/29/04																																					■ Vendor Fab/Ship Welding Cart - Mech/Vac																							
XT_1463	Vendor Ship Tools - Mech/Vac	20	06/02/04	06/29/04																																					■ Vendor Ship Tools - Mech/Vac																							
XT_514	Vendor Fab/Ship Leak Detectors - Mech/Vac	20	06/02/04	06/29/04																																					■ Vendor Fab/Ship Leak Detectors - Mech/Vac																							
XT_9	Specification - Electron Dump Mech/Vac	10	01/03/05	01/14/05																																					■ Specification - Electron Dump Mech/Vac																							
XT_1	Specification - FEE Mech/Vac	20	01/03/05	01/31/05																																					■ Specification - FEE Mech/Vac																							
XT_10	Design - Electron Dump Mech/Vac	20	01/18/05	02/14/05																																					■ Design - Electron Dump Mech/Vac																							
XT_0282	Design - Mech/Vac	100	02/01/05	06/22/05																																					■ Design - Mech/Vac																							
XT_M1	COMP: Design Package - Electron Dump Mech/Vac	0		02/14/05																																					◆ COMP: Design Package - Electron Dump Mech/Vac																							
XT_216	Prepare Bid Pkg Ion Pumps - ED Mech/Vac	5	02/15/05	02/22/05																																					■ Prepare Bid Pkg Ion Pumps - ED Mech/Vac																							
XT_226	Procure Vacuum Piping - ED Mech/Vac	40	02/15/05	04/12/05																																					■ Procure Vacuum Piping - ED Mech/Vac																							

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.05.03.02 Mech/Vac Front End</b>																																																																
XT_236	Procure Ion Gauges - ED Mech/Vac	40	02/15/05	04/12/05																									■ Procure Ion Gauges - ED Mech/Vac																																			
XT_246	Procure Stands - ED Mech/Vac	40	02/15/05	04/12/05																									■ Procure Stands - ED Mech/Vac																																			
XT_217	Bid Process Ion Pumps - ED Mech/Vac	20	02/23/05	03/22/05																									■ Bid Process Ion Pumps - ED Mech/Vac																																			
XT_218	AWARD: Contract Ion Pumps - ED Mech/Vac	1	03/23/05	03/23/05																									AWARD: Contract Ion Pumps - ED Mech/Vac																																			
XT_219	Vendor Fab/Ship Ion Pumps - ED Mech/Vac	20	03/24/05	04/20/05																									■ Vendor Fab/Ship Ion Pumps - ED Mech/Vac																																			
XT_220	RECV: Ion Pumps - ED Mech/Vac	0		04/20/05																									◆ RECV: Ion Pumps - ED Mech/Vac																																			
XT_94	Assemble Pipe - Electron Dump Mech/Vac	5	04/21/05	04/27/05																									■ Assemble Pipe - Electron Dump Mech/Vac																																			
XT_104	AVAIL: Electron Dump Mechanical/Vacuum	0		04/27/05																									◆ AVAIL: Electron Dump Mechanical/Vacuum																																			
XT_M2	COMP: Design Package - FEE Mech/Vac	0		06/22/05																									◆ COMP: Design Package - FEE Mech/Vac																																			
XT_200	Prepare Bid Pkg Valves - FEE Mech/Vac	20	06/23/05	07/21/05																									■ Prepare Bid Pkg Valves - FEE Mech/Vac																																			
XT_205	Prepare Bid Pkg Stands - FEE Mech/Vac	20	06/23/05	07/21/05																									■ Prepare Bid Pkg Stands - FEE Mech/Vac																																			
XT_210	Prepare Bid Pkg Ion Pumps - FEE Mech/Vac	20	06/23/05	07/21/05																									■ Prepare Bid Pkg Ion Pumps - FEE Mech/Vac																																			
XT_290	Procure Vacuum Piping - FEE Mech/Vac	20	06/23/05	07/21/05																									■ Procure Vacuum Piping - FEE Mech/Vac																																			
XT_291	Procure Spools - FEE Mech/Vac	20	06/23/05	07/21/05																									■ Procure Spools - FEE Mech/Vac																																			
XT_2922	Procure Spools - FEE Mech/Vac	20	06/23/05	07/21/05																									■ Procure Spools - FEE Mech/Vac																																			
XT_201	Bid Process Valves - FEE Mech/Vac	40	07/22/05	09/16/05																									■ Bid Process Valves - FEE Mech/Vac																																			
XT_206	Bid Process Stands - FEE Mech/Vac	40	07/22/05	09/16/05																									■ Bid Process Stands - FEE Mech/Vac																																			
XT_211	Bid Process Ion Pumps - FEE Mech/Vac	40	07/22/05	09/16/05																									■ Bid Process Ion Pumps - FEE Mech/Vac																																			
XT_202	AWARD: Contract Valves - FEE Mech/Vac	1	09/19/05	09/19/05																									AWARD: Contract Valves - FEE Mech/Vac																																			
XT_207	AWARD: Contract Stands - FEE Mech/Vac	1	09/19/05	09/19/05																									AWARD: Contract Stands - FEE Mech/Vac																																			
XT_212	AWARD: Contract Ion Pump - FEE Mech/Vac	1	09/19/05	09/19/05																									AWARD: Contract Ion Pump - FEE Mech/Vac																																			
XT_203	Vendor Fab/Ship Valves - FEE Mech/Vac	80	09/20/05	01/13/06																									■ Vendor Fab/Ship Valves - FEE Mech/Vac																																			
XT_208	Vendor Fab Stands - FEE Mech/Vac	80	09/20/05	01/13/06																									■ Vendor Fab Stands - FEE Mech/Vac																																			
XT_213	Vendor Fab/Ship Ion Pump - FEE Mech/Vac	80	09/20/05	01/13/06																									■ Vendor Fab/Ship Ion Pump - FEE Mech/Vac																																			
XT_204	RECV: Valves - FEE Mech/Vac	0		01/13/06																									◆ RECV: Valves - FEE Mech/Vac																																			
XT_209	RECV: Stands FEE Mech/Vac	0		01/13/06																									◆ RECV: Stands FEE Mech/Vac																																			

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.05.03.02 Mech/Vac Front End</b>																																																																
XT_214	RECV: System Cntrl - FEE Mech/Vac	0		01/13/06																																																												
XT_45	Prepare Bid Pkg Leak Detectors - Mech/Vac	5	09/22/06	09/28/06																																																												
XT_224	REQD: FEE Beneficial Occup - Mech/Vac	0		04/13/07																																																												
XT_4	Assemble - FEE Mech/Vac	20	04/16/07	05/11/07																																																												
XT_230	REQD: Electron Dump Beneficial Occup - Mech/Vac	0		04/19/07																																																												
XT_24	AVAIL: FEE Mechanical/Vacuum	0		05/11/07																																																												
XT_8	COMP: FEE Mechanical/Vacuum Installed & Commiss	0		10/10/07																																																												
MS3_XT000	COMP: FEE Mechanical/Vacuum Installed & Commiss	0		11/30/07*																																																												
<b>1.05.03.03 Mech/Vac Near Hall</b>																																																																
<b>1.05.03.03.01 NEH Hutch 1</b>																																																																
XT_300	Specification - Near Hall Mech/Vac - H1	20	06/23/05	07/21/05																																																												
XT_310	Design - Near Hall Mech/Vac - H1	80	07/22/05	11/11/05																																																												
XT_0401	Prepare Bid Pkg Ion Pumps - NEH Mech/Vac - H1	10	11/14/05	11/29/05																																																												
XT_0407	Prepare Bid Pkg Stands - NEH Mech/Vac - H1	10	11/14/05	11/29/05																																																												
XT_0420	Procure Isolation Valves - NEH Mech/Vac - H1	40	11/14/05	01/12/06																																																												
XT_0450	Procure Berilium Valves - NEH Mech/Vac - H1	40	11/14/05	01/12/06																																																												
XT_0460	Procure Vacuum Piping - NEH Mech/Vac - H1	40	11/14/05	01/12/06																																																												
XT_0470	Procure Ion Gauges - NEH Mech/Vac - H1	40	11/14/05	01/12/06																																																												
XT_0480	Procure Spools - NEH Mech/Vac - H1	40	11/14/05	01/12/06																																																												
XT_0402	Bid Process Ion Pumps - NEH Mech/Vac - H1	20	11/30/05	12/28/05																																																												
XT_0408	Bid Process - Stands - NEH Mech/Vac - H1	20	11/30/05	12/28/05																																																												
XT_0404	AWARD: Contract - Ion Pumps - NEH Mech/Vac - H1	1	12/29/05	12/29/05																																																												
XT_0409	AWARD: Contract - Stands - NEH Mech/Vac - H1	1	12/29/05	12/29/05																																																												
XT_0405	Vendor Fab/Ship Ion Pumps - NEH Mech/Vac - H1	60	12/30/05	03/28/06																																																												
XT_0410	Vendor Fab/Ship Stands - NEH Mech/Vac - H1	60	12/30/05	03/28/06																																																												
XT_0406	RECV: Ion Pumps - NEH Mech/Vac - H1	0		03/28/06																																																												





Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04 FY05 FY06 FY07 FY08																							
<b>1.05.03.04 Mech/Vac Tunnel</b>																												
XT_0442	Vendor Fab/Ship Stands - Tunnel Mech/Vac	40	06/08/06	08/03/06	■ Vendor Fab/Ship Stands - Tunnel Mech/Vac																							
XT_7102	Vendor Fab/Ship Ion Pumps - Tunnel Mech/Vac - 2	40	06/08/06	08/03/06	■ Vendor Fab/Ship Ion Pumps - Tunnel Me																							
XT_0415	RECV: Vacuum Piping - Tunnel Mech/Vac	0		08/03/06	RECV: Vacuum Piping - Tunnel Mech/Vac ♦																							
XT_0432	RECV: Ion Pumps - Tunnel Mech/Vac	0		08/03/06	♦ RECV: Ion Pumps - Tunnel Mech/Vac																							
XT_0438	RECV: Ion Gauges - Tunnel Mech/Vac	0		08/03/06	♦ RECV: Ion Gauges - Tunnel Mech/Vac																							
XT_0444	RECV: Stands - Tunnel Mech/Vac	0		08/03/06	♦ RECV: Stands - Tunnel Mech/Vac																							
XT_0425	REQD: Tunnel Beneficial Occup - Mech/Vac	0		07/03/07	REQD: Tunnel Beneficial Occup - Mech/Vac ♦																							
XT_555	Assemble - Tunnel Mech/Vac	40	07/05/07	08/29/07	Assemble - Tunnel Mech/Vac ■																							
XT_625	AVAIL: Tunnel Mechanical/Vacuum	0		08/29/07	AVAIL: Tunnel Mechanical/Vacuum ♦																							
<b>1.05.03.05 Mech/Vac Far Hall</b>																												
<b>1.05.03.05.01 FEH Hutch 1</b>																												
XT_661	Specification - Far Hall Mech/Vac - H1	20	11/14/05	12/13/05	■ Specification - Far Hall Mech/Vac - H1																							
XT_662	Design - Far Hall Mech/Vac - H1	60	12/14/05	03/13/06	■ Design - Far Hall Mech/Vac - H1																							
XT_16	Prepare Bid Pkg Ion Pump - Far Hall Mech/Vac	5	03/14/06	03/20/06	I Prepare Bid Pkg Ion Pump - Far Hall Mech/Vac																							
XT_31	Prepare Bid Pkg Stands - Far Hall Mech/Vac	5	03/14/06	03/20/06	I Prepare Bid Pkg Stands - Far Hall Mech/Vac																							
XT_36	Procure Spools - Far Hall Mech/Vac - H1	40	03/14/06	05/08/06	■ Procure Spools - Far Hall Mech/Vac - H1																							
XT_37	Procure Ion Gauges - Far Hall Mech/Vac - H1	40	03/14/06	05/08/06	■ Procure Ion Gauges - Far Hall Mech/Vac - H1																							
XT_682	Procure Isolation Valve - Far Hall Mech/Vac - H1	40	03/14/06	05/08/06	■ Procure Isolation Valve - Far Hall Mech/Vac -																							
XT_702	Procure Vacuum Piping - Far Hall Mech/Vac - H1	40	03/14/06	05/08/06	■ Procure Vacuum Piping - Far Hall Mech/Vac -																							
XT_12	Bid Process Ion Pump - Far Hall Mech/Vac	20	03/21/06	04/17/06	■ Bid Process Ion Pump - Far Hall Mech/Vac																							
XT_32	Bid Process Stands - Far Hall Mech/Vac	20	03/21/06	04/17/06	■ Bid Process Stands - Far Hall Mech/Vac																							
XT_13	AWARD: Contract Ion Pump - Far Hall Mech/Vac	1	04/18/06	04/18/06	AWARD: Contract Ion Pump - Far Hall Mech/V																							
XT_33	AWARD: Contract Stands - Far Hall Mech/Vac	1	04/18/06	04/18/06	AWARD: Contract Stands - Far Hall Mech/Vac																							
XT_14	Vendor Fab/Ship Ion Pump - Far Hall Mech/Vac	40	04/19/06	06/14/06	■ Vendor Fab/Ship Ion Pump - Far Hall Mech/V																							
XT_34	Vendor Fab/Ship Stands - Far Hall Mech/Vac	40	04/19/06	06/14/06	■ Vendor Fab/Ship Stands - Far Hall Mech/Vac																							
XT_15	RECV: Ion Pump - Far Hall Mech/Vac	0		06/14/06	♦ RECV: Ion Pump - Far Hall Mech/Vac																							





Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.05.03.05.03 FEH Hutch 3</b>					<b>Bid Process Ion Pump - Far Hall Mech/Vac</b>																																																											
XT_17	Bid Process Ion Pump - Far Hall Mech/Vac	20	07/11/06	08/07/06																																																												
XT_18	AWARD: Contract Ion Pump - Far Hall Mech/Vac	1	08/08/06	08/08/06																																					<b>AWARD: Contract Ion Pump - Far Hall Mech/Vac</b>																							
XT_19	Vendor Fab/Ship Ion Pump - Far Hall Mech/Vac	40	08/09/06	10/04/06																																					<b>Vendor Fab/Ship Ion Pump - Far Hall Mech/Vac</b>																							
XT_20	RECV: Ion Pump - Far Hall Mech/Vac	0		10/04/06																																					<b>RECV: Ion Pump - Far Hall Mech/Vac</b>																							
XT_81	Assemble - Far Hall Mech/Vac - H3	5	08/03/07	08/09/07																																					<b>Assemble - Far Hall Mech/Vac - H3</b>																							
XT_91	AVAIL: Far Hall Mech/Vac Ready to Install SLAC	0		08/09/07																																					<b>AVAIL: Far Hall Mech/Vac Ready to Install SLAC</b>																							
<b>1.05.04 Optical Subsystem</b>																																																																
<b>1.05.04.02 Facility Optics</b>																																																																
<b>1.05.04.02.02 Fixed Mask</b>																																																																
XT_1101	Specification - Fixed Mask 1	20	10/03/05	10/28/05																																					<b>Specification - Fixed Mask 1</b>																							
XT_1120	Specification - Fixed Mask 2	20	10/03/05	10/28/05																																					<b>Specification - Fixed Mask 2</b>																							
XT_1138	Specification - Fixed Mask 3	20	10/03/05	10/28/05																																					<b>Specification - Fixed Mask 3</b>																							
XT_1102	Design - Fixed Mask 1	100	10/31/05	03/27/06																																					<b>Design - Fixed Mask 1</b>																							
XT_1121	Design - Fixed Mask 2	100	10/31/05	03/27/06																																					<b>Design - Fixed Mask 2</b>																							
XT_1139	Design - Fixed Mask 3	100	10/31/05	03/27/06																																					<b>Design - Fixed Mask 3</b>																							
XT_1113	Design Review - Fixed Mask 1	20	03/28/06	04/24/06																																					<b>Design Review - Fixed Mask 1</b>																							
XT_1122	Design Review - Fixed Mask 2	20	03/28/06	04/24/06																																					<b>Design Review - Fixed Mask 2</b>																							
XT_1140	Design Review - Fixed Mask 3	20	03/28/06	04/24/06																																					<b>Design Review - Fixed Mask 3</b>																							
XT_1114	COMP: Design Package - Fixed Mask 1	0		04/24/06																																					<b>COMP: Design Package - Fixed Mask 1</b>																							
XT_1123	COMP: Design Fixed Mask 2	0		04/24/06																																					<b>COMP: Design Fixed Mask 2</b>																							
XT_1141	COMP: Design Fixed Mask 3	0		04/24/06																																					<b>COMP: Design Fixed Mask 3</b>																							
XT_1115	Prepare Bid Pkg - Fixed Mask 1	5	04/25/06	05/01/06																																					<b>Prepare Bid Pkg - Fixed Mask 1</b>																							
XT_1124	Prepare Bid Pkg - Fixed Mask 2	5	04/25/06	05/01/06																																					<b>Prepare Bid Pkg - Fixed Mask 2</b>																							
XT_1142	Prepare Bid Pkg - Fixed Mask 3	5	04/25/06	05/01/06																																					<b>Prepare Bid Pkg - Fixed Mask 3</b>																							
XT_1116	Bid Process - Fixed Mask 1	20	05/02/06	05/30/06																																					<b>Bid Process - Fixed Mask 1</b>																							
XT_1125	Bid Process - Fixed Mask 2	20	05/02/06	05/30/06																																					<b>Bid Process - Fixed Mask 2</b>																							
XT_1143	Bid Process - Fixed Mask 3	20	05/02/06	05/30/06																																					<b>Bid Process - Fixed Mask 3</b>																							

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.05.04.02.02 Fixed Mask</b>																																																																
XT_1117	AWARD: Contract - Fixed Mask 1	1	05/31/06	05/31/06																																					AWARD: Contract - Fixed Mask 1																							
XT_1126	AWARD: Contract - Fixed Mask 2	1	05/31/06	05/31/06																																					AWARD: Contract - Fixed Mask 2																							
XT_1144	AWARD: Contract - Fixed Mask 3	1	05/31/06	05/31/06																																					AWARD: Contract - Fixed Mask 3																							
XT_1118	Vendor Fab - Fixed Mask 1	60	06/01/06	08/24/06																																					Vendor Fab - Fixed Mask 1																							
XT_1127	Vendor Fab - Fixed Mask 2	60	06/01/06	08/24/06																																					Vendor Fab - Fixed Mask 2																							
XT_1145	Vendor Fab - Fixed Mask 3	60	06/01/06	08/24/06																																					Vendor Fab - Fixed Mask 3																							
XT_1119	RECV: Fixed Mask 1 at LLNL for Assembly	0		08/24/06																																					RECV: Fixed Mask 1 at LLNL for Assembly																							
XT_1128	RECV: Fixed Mask 2 at LLNL for Assembly	0		08/24/06																																					RECV: Fixed Mask 2 at LLNL for Assembly																							
XT_1146	RECV: Fixed Mask 3 at LLNL for Assembly	0		08/24/06																																					RECV: Fixed Mask 3 at LLNL for Assembly																							
XT_1103	Inspect - Fixed Mask 1	2	08/25/06	08/28/06																																					Inspect - Fixed Mask 1																							
XT_1130	Inspect - Fixed Mask 2	2	08/25/06	08/28/06																																					Inspect - Fixed Mask 2																							
XT_1148	Inspect - Fixed Mask 3	2	08/25/06	08/28/06																																					Inspect - Fixed Mask 3																							
XT_1104	Fab - Fixed Mask 1	80	08/29/06	12/21/06																																					Fab - Fixed Mask 1																							
XT_1131	Fab - Fixed Mask 2	80	08/29/06	12/21/06																																					Fab - Fixed Mask 2																							
XT_1149	Fab - Fixed Mask 3	80	08/29/06	12/21/06																																					Fab - Fixed Mask 3																							
XT_1107	Characterize - Fixed Mask 1	20	12/22/06	01/23/07																																					Characterize - Fixed Mask 1																							
XT_1133	Characterize - Fixed Mask 2	20	12/22/06	01/23/07																																					Characterize - Fixed Mask 2																							
XT_1151	Characterize - Fixed Mask 3	20	12/22/06	01/23/07																																					Characterize - Fixed Mask 3																							
XT_240	REQD: FEE Beneficial Occupancy - Fixed Mask	0		04/13/07																																					REQD: FEE Beneficial Occupancy - Fixed Mas																							
<b>1.05.04.02.03 Slit/Collimators</b>																																																																
XT_260	Specification - Slit/Collimator A	20	01/03/05	01/31/05																																					Specification - Slit/Collimator A																							
XT_7000	Specification - Slit/Collimator B	20	01/03/05	01/31/05																																					Specification - Slit/Collimator B																							
XT_400	Design - Slit/Collimator A	100	02/01/05	06/22/05																																					Design - Slit/Collimator A																							
XT_7001	Design - Slit/Collimator B	100	02/01/05	06/22/05																																					Design - Slit/Collimator B																							
XT_410	Engineering - Slit/Collimator A	150	02/01/05	09/01/05																																					Engineering - Slit/Collimator A																							
XT_7040	Engineering - Slit/Collimator B	150	02/01/05	09/01/05																																					Engineering - Slit/Collimator B																							

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.05.04.02.03 Slit/Collimators</b>																																																																
XT_4012	Design Review - Slit/Collimator A	20	06/23/05	07/21/05																																																												
XT_7002	Design Review - Slit/Collimator B	20	06/23/05	07/21/05																																																												
XT_4013	COMP: Design Package - Slit/Collimator A	0		07/21/05																																																												
XT_7003	COMP: Design Package - Slit/Collimator B	0		07/21/05																																																												
XT_4006	Prepare Bid Pkg Jaws - Slit/Collimator A	5	07/22/05	07/28/05																																																												
XT_4007	Prepare Bid Pkg Tank - Slit/Collimator A	5	07/22/05	07/28/05																																																												
XT_4008	Prepare Bid Pkg Electronics - Slit/Collimator A	5	07/22/05	07/28/05																																																												
XT_4009	Prepare Bid Pk Vacuum System - Slit/Collimator A	5	07/22/05	07/28/05																																																												
XT_480	Prepare Bid Pkg Precision Hardware - Slit/Col A	5	07/22/05	07/28/05																																																												
XT_7004	Prepare Bid Pkg Jaws - Slit/Collimator B	5	07/22/05	07/28/05																																																												
XT_7005	Prepare Bid Pkg Tank - Slit/Collimator B	5	07/22/05	07/28/05																																																												
XT_7006	Prepare Bid Pkg Electronics - Slit/Collimator B	5	07/22/05	07/28/05																																																												
XT_7007	Prepare Bid Pk Vacuum System - Slit/Collimator B	5	07/22/05	07/28/05																																																												
XT_7008	Prepare Bid Pkg Precision Hardware - Slit/Col B	5	07/22/05	07/28/05																																																												
XT_4014	Bid Process Jaws - Slit/Collimator A	20	07/29/05	08/25/05																																																												
XT_4015	Bid Process Tank - Slit/Collimator A	20	07/29/05	08/25/05																																																												
XT_4016	Bid Process Electronics - Slit/Collimator A	20	07/29/05	08/25/05																																																												
XT_4017	Bid Process Vacuum System - Slit/Collimator A	20	07/29/05	08/25/05																																																												
XT_4018	Bid Process Precision Hardware - Slit/Col A	20	07/29/05	08/25/05																																																												
XT_7009	Bid Process Jaws - Slit/Collimator B	20	07/29/05	08/25/05																																																												
XT_7010	Bid Process Tank - Slit/Collimator B	20	07/29/05	08/25/05																																																												
XT_7011	Bid Process Electronics - Slit/Collimator B	20	07/29/05	08/25/05																																																												
XT_7012	Bid Process Vacuum System - Slit/Collimator B	20	07/29/05	08/25/05																																																												
XT_7013	Bid Process Precision Hardware - Slit/Col B	20	07/29/05	08/25/05																																																												
XT_4019	AWARD: Contract Jaws - Slit/Collimator A	5	08/26/05	09/01/05																																																												
XT_4020	AWARD: Contract Tank - Slit/Collimator A	5	08/26/05	09/01/05																																																												

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04				FY05				FY06				FY07				FY08								
<b>1.05.04.02.03 Slit/Collimators</b>																													
XT_4022	AWARD: Contract Electronics - Slit/Collimator A	5	08/26/05	09/01/05																									
XT_4023	AWARD: Contract Vacuum System - Slit/Collimator	5	08/26/05	09/01/05																									
XT_4024	AWARD: Contract Precision Hardware - Slit/Col A	5	08/26/05	09/01/05																									
XT_7014	AWARD: Contract Jaws - Slit/Collimator B	5	08/26/05	09/01/05																									
XT_7015	AWARD: Contract Tank - Slit/Collimator B	5	08/26/05	09/01/05																									
XT_7016	AWARD: Contract Electronics - Slit/Collimator B	5	08/26/05	09/01/05																									
XT_7017	AWARD: Contract Vacuum System - Slit/Collimator	5	08/26/05	09/01/05																									
XT_7018	AWARD: Contract Precision Hardware - Slit/Col B	5	08/26/05	09/01/05																									
XT_4027	RECV: Electronics - Slit/Collimator A	0		09/01/05																									
XT_7026	RECV Electronics - Slit/Collimator B	0		09/01/05																									
XT_4031	Vendor Fab Jaws - Slit/Collimator A	20	09/02/05	09/30/05																									
XT_4032	Vendor Fab Tank - Slit/Collimator A	20	09/02/05	09/30/05																									
XT_4034	Vendor Fab Vacuum System - Slit/Collimator A	20	09/02/05	09/30/05																									
XT_4035	Vendor Fab Precision Hardware - Slit/Col A	20	09/02/05	09/30/05																									
XT_7019	Vendor Fab Jaws - Slit/Collimator B	20	09/02/05	09/30/05																									
XT_7020	Vendor Fab Tank - Slit/Collimator B	20	09/02/05	09/30/05																									
XT_7022	Vendor Fab Vacuum System - Slit/Collimator B	20	09/02/05	09/30/05																									
XT_7023	Vendor Fab Precision Hardware - Slit/Col B	20	09/02/05	09/30/05																									
XT_4004	Assemble Electronics - Slit/Collimator A	240	09/02/05	08/16/06																									
XT_7031	Assemble Electronics - Slit/Collimator B	300	09/02/05	11/09/06																									
XT_4025	RECV: Jaws - Slit/Collimator A	0		09/30/05																									
XT_4026	RECV: Tank - Slit/Collimator A	0		09/30/05																									
XT_4028	RECV: Vacuum System - Slit/Collimator A	0		09/30/05																									
XT_4029	RECV: Precision Motion Hardware - Slit/Col A	0		09/30/05																									
XT_7024	RECV Jaws - Slit/Collimator B	0		09/30/05																									
XT_7025	RECV Tank - Slit/Collimator B	0		09/30/05																									

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.05.04.02.03 Slit/Collimators</b>																																																																
XT_7027	RECV Vacuum System - Slit/Collimator B	0		09/30/05																																																	◆ RECV Vacuum System - Slit/Collimator B											
XT_7028	RECV Precision Motion Hardware - Slit/Col B	0		09/30/05																																																	◆ RECV Precision Motion Hardware - Slit/Col B											
XT_4002	Assemble Tank - Slit/Collimator A	240	10/03/05	09/14/06																																																	█ Assemble Tank - Slit/Collimator A											
XT_4003	Assemble Vacuum System - Slit/Collimator A	240	10/03/05	09/14/06																																																	█ Assemble Vacuum System - Slit/Collim											
XT_4010	Assemble Precision Hardware - Slit/Collimator A	240	10/03/05	09/14/06																																																	█ Assemble Precision Hardware - Slit/Co											
XT_490	Assemble Jaws - Slit/Collimator A	240	10/03/05	09/14/06																																																	█ Assemble Jaws - Slit/Collimator A											
XT_7029	Assemble Tank - Slit/Collimator B	300	10/03/05	12/11/06																																																	█ Assemble Tank - Slit/Collimator B											
XT_7030	Assemble Vacuum System - Slit/Collimator B	300	10/03/05	12/11/06																																																	█ Assemble Vacuum System - Slit/C											
XT_7032	Assemble Precision Hardware - Slit/Collimator B	300	10/03/05	12/11/06																																																	█ Assemble Precision Hardware - Sl											
XT_7033	Assemble Jaws - Slit/Collimator B	300	10/03/05	12/11/06																																																	█ Assemble Jaws - Slit/Collimator B											
XT_70011	REQD: FEE Beneficial Occupancy	0		04/13/07																																																	REQD: FEE Beneficial Occupancy◆											
<b>1.05.04.02.04 Flipper Mirror</b>																																																																
XT_56	Specification - Flipper Mirror	20	10/03/05	10/28/05																																																	█ Specification - Flipper Mirror											
XT_57	Design - Flipper Mirror	100	10/31/05	03/27/06																																																	█ Design - Flipper Mirror											
XT_59	Design - Flipper Mirror	100	10/31/05	03/27/06																																																	█ Design - Flipper Mirror											
XT_58	Engineering - Flipper Mirror	150	10/31/05	06/06/06																																																	█ Engineering - Flipper Mirror											
XT_60	Engineering - Flipper Mirror	150	10/31/05	06/06/06																																																	█ Engineering - Flipper Mirror											
XT_61	Design Review - Flipper Mirror	20	03/28/06	04/24/06																																																	█ Design Review - Flipper Mirror											
XT_62	COMP: Design Package - Flipper Mirror	0		04/24/06																																																	◆ COMP: Design Package - Flipper Mirror											
MS3_XT015	COMP: Design Package - Flipper Mirror	0		05/31/06*																																																	◆ COMP: Design Package - Flipper Mirror											
XT_63	Prepare Bid Pkg Jaws - Flipper Mirror	5	06/01/06	06/07/06																																																	I Prepare Bid Pkg Jaws - Flipper Mirror											
XT_65	Prepare Bid Pkg Electronics - Flipper Mirror	5	06/01/06	06/07/06																																																	I Prepare Bid Pkg Electronics - Flipper Mirror											
XT_66	Prepare Bid Pk Vacuum System - Flipper Mirror	5	06/01/06	06/07/06																																																	I Prepare Bid Pk Vacuum System - Flipper Mi											
XT_711	Prepare Bid Pkg Tank - Flipper Mirror	5	06/01/06	06/07/06																																																	I Prepare Bid Pkg Tank - Flipper Mirror											
XT_7122	Prepare Bid Pkg Precision Hardware - Flipper Mir	5	06/01/06	06/07/06																																																	I Prepare Bid Pkg Precision Hardware - Flipp											
XT_69	Bid Process Jaws - Flipper Mirror	20	06/08/06	07/06/06																																																	█ Bid Process Jaws - Flipper Mirror											

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04		FY05		FY06		FY07		FY08	
<b>1.05.04.02.04 Flipper Mirror</b>														
XT_72	Bid Process Vacuum System - Flipper Mirror	20	06/08/06	07/06/06										
XT_789	Bid Process Tank - Flipper Mirror	20	06/08/06	07/06/06										
XT_7924	Bid Process Electronics - Flipper Mirror	20	06/08/06	07/06/06										
XT_7955	Bid Process Precision Hardware - Flipper Mirror	20	06/08/06	07/06/06										
XT_77801	AWARD: Contract Vacuum System - Flipper Mirror	5	07/07/06	07/13/06										
XT_77885	AWARD: Contract Precision Hardware - Flipper Mir	5	07/07/06	07/13/06										
XT_7956	AWARD: Contract Jaws - Flipper Mirror	5	07/07/06	07/13/06										
XT_7957	AWARD: Contract Tank - Flipper Mirror	5	07/07/06	07/13/06										
XT_7958	AWARD: Contract Electronics - Flipper Mirror	5	07/07/06	07/13/06										
XT_86	RECV Electronics - Flipper Mirror	0		07/13/06										
XT_7512	Vendor Fab Vacuum System - Flipper Mirror	20	07/14/06	08/10/06										
XT_778956	Vendor Fab Jaws - Flipper Mirror	20	07/14/06	08/10/06										
XT_7813	Vendor Fab Precision Hardware - Flipper Mirror	20	07/14/06	08/10/06										
XT_80	Vendor Fab Tank - Flipper Mirror	20	07/14/06	08/10/06										
XT_7818	Assemble Electronics - Flipper Mirror	200	07/14/06	04/30/07										
XT_7814	RECV Jaws - Flipper Mirror	0		08/10/06										
XT_7816	RECV Tank - Flipper Mirror	0		08/10/06										
XT_87	RECV Vacuum System - Flipper Mirror	0		08/10/06										
XT_88	RECV Precision Motion Hardware - Flipper Mirror	0		08/10/06										
XT_7817	Assemble Tank - Flipper Mirror	200	08/11/06	05/29/07										
XT_7819	Assemble Jaws - Flipper Mirror	200	08/11/06	05/29/07										
XT_90	Assemble Vacuum System - Flipper Mirror	200	08/11/06	05/29/07										
XT_92	Assemble Precision Hardware - Flipper Mirror	200	08/11/06	05/29/07										
XT_112	AVAIL: Flipper Mirror	0		05/29/07										
XT_1112	REQD: FEH Beneficial Occupancy	0		08/02/07										

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.05.04.02.05 Gas Attenuator</b>																																																																
XT_2021	Theory - Gas Attenuator	80	01/03/05	04/26/05													Theory - Gas Attenuator																																															
XT_496	Safety Note - Gas Attenuator	20	04/27/05	05/24/05													Safety Note - Gas Attenuator																																															
XT_491	Specification - Gas Attenuator	40	04/27/05	06/22/05													Specification - Gas Attenuator																																															
XT_493	Design - Gas Attenuator	120	06/23/05	12/13/05													Design - Gas Attenuator																																															
XT_2007	Preliminary Design Review - Gas Attenuator	40	12/14/05	02/10/06																									Preliminary Design Review - Gas Attenuator																																			
XT_494	Second Design - Gas Attenuator	20	02/13/06	03/13/06																									Second Design - Gas Attenuator																																			
XT_2000	Chamber Engineering - Gas Attenuator	40	03/14/06	05/08/06																									Chamber Engineering - Gas Attenuator																																			
XT_2001	Venture Engineering - Gas Attenuator	40	03/14/06	05/08/06																									Venture Engineering - Gas Attenuator																																			
XT_2002	Turbo Pump Engineering - Gas Attenuator	40	03/14/06	05/08/06																									Turbo Pump Engineering - Gas Attenuator																																			
XT_2003	Dry Pump Engineering - Gas Attenuator	40	03/14/06	05/08/06																									Dry Pump Engineering - Gas Attenuator																																			
XT_2073	Storage Tank Engineering - Gas Attenuator	40	03/14/06	05/08/06																									Storage Tank Engineering - Gas Attenuator																																			
XT_2083	Gast Pump Engineering - Gas Attenuator	40	03/14/06	05/08/06																									Gast Pump Engineering - Gas Attenuator																																			
XT_2093	Controls Engineering - Gas Attenuator	40	03/14/06	05/08/06																									Controls Engineering - Gas Attenuator																																			
XT_2103	Greenfield Comp Engineering - Gas Attenuator	40	03/14/06	05/08/06																									Greenfield Comp Engineering - Gas Attenuator																																			
XT_495	Final Design Review - Gas Attenuator	60	03/14/06	06/06/06																									Final Design Review - Gas Attenuator																																			
XT_2020	COMP: Design Package - Gas Attenuator	0		06/06/06																									COMP: Design Package - Gas Attenuator																																			
XT_2004	Prepare Bid Pkg Chamber - Gas Attenuator	10	10/02/06	10/13/06	Prepare Bid Pkg Chamber - Gas Attenuator																																																											
XT_2005	Prepare Bid Pkg Controls - Gas Attenuator	10	10/02/06	10/13/06	Prepare Bid Pkg Controls - Gas Attenuator																																																											
XT_2006	Prepare Bid Pkg Venture - Gas Attenuator	10	10/02/06	10/13/06	Prepare Bid Pkg Venture - Gas Attenuator																																																											
XT_2008	Prepare Bid Pkg Turbo Pumps - Gas Attenuator	10	10/02/06	10/13/06																									Prepare Bid Pkg Turbo Pumps - Gas																																			
XT_2009	Prepare Bid Pkg Tanks - Gas Attenuator	10	10/02/06	10/13/06	Prepare Bid Pkg Tanks - Gas Attenuator																																																											
XT_2015	Prepare Bid Pkg Dry Pumps - Gas Attenuator	10	10/02/06	10/13/06	Prepare Bid Pkg Dry Pumps - Gas Attenuator																																																											
XT_2016	Prepare Bid Pkg Gast Pumps - Gas Attenuator	10	10/02/06	10/13/06	Prepare Bid Pkg Gast Pumps - Gas Attenuator																																																											
XT_497	Prepare Bid Pkg Hardware - Gas Attenuator	10	10/02/06	10/13/06	Prepare Bid Pkg Hardware - Gas Attenuator																																																											
XT_547	Prepare Bid Pkg Greenfield Comp - Gas Attenuator	10	10/02/06	10/13/06																									Prepare Bid Pkg Greenfield Comp - G																																			
XT_567	Prepare Bid Pkg Blower - Gas Attenuator	10	10/02/06	10/13/06	Prepare Bid Pkg Blower - Gas Attenuator																																																											

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.05.04.02.05 Gas Attenuator</b>																																																																
XT_577	Prepare Bid Pkg Transfer Manifold - Gas Atten	10	10/02/06	10/13/06	Prepare Bid Pkg Transfer Manifold - Gas Atten																																																											
XT_587	Prepare Bid Pkg Gas Purifier - Gas Attenuator	10	10/02/06	10/13/06	Prepare Bid Pkg Gas Purifier - Gas Attenuator																																																											
XT_2022	Bid Process Chamber - Gas Attenuator	20	10/16/06	11/10/06	Bid Process Chamber - Gas Attenuator																																																											
XT_2023	Bid Process Hardware - Gas Attenuator	20	10/16/06	11/10/06	Bid Process Hardware - Gas Attenuator																																																											
XT_2024	Bid Process Controls - Gas Attenuator	20	10/16/06	11/10/06	Bid Process Controls - Gas Attenuator																																																											
XT_2025	Bid Process Venture - Gas Attenuator	20	10/16/06	11/10/06	Bid Process Venture - Gas Attenuator																																																											
XT_2026	Bid Process Turbo Pumps - Gas Attenuator	20	10/16/06	11/10/06	Bid Process Turbo Pumps - Gas Attenuator																																																											
XT_2027	Bid Process Tanks - Gas Attenuator	20	10/16/06	11/10/06	Bid Process Tanks - Gas Attenuator																																																											
XT_2028	Bid Process Dry Pumps - Gas Attenuator	20	10/16/06	11/10/06	Bid Process Dry Pumps - Gas Attenuator																																																											
XT_2029	Bid Process Gast Pumps - Gas Attenuator	20	10/16/06	11/10/06	Bid Process Gast Pumps - Gas Attenuator																																																											
XT_607	Bid Process Greenfield Comp - Gas Attenuator	20	10/16/06	11/10/06	Bid Process Greenfield Comp - Gas Attenuator																																																											
XT_617	Bid Process Transfer Manifold - Gas Attenuator	20	10/16/06	11/10/06	Bid Process Transfer Manifold - Gas Attenuator																																																											
XT_627	Bid Process Gas Purifier - Gas Attenuator	20	10/16/06	11/10/06	Bid Process Gas Purifier - Gas Attenuator																																																											
XT_637	Bid Process Blower - Gas Attenuator	20	10/16/06	11/10/06	Bid Process Blower - Gas Attenuator																																																											
XT_2030	AWARD: Contract Chamber - Gas Attenuator	1	11/13/06	11/13/06	AWARD: Contract Chamber - Gas Attenuator																																																											
XT_2032	AWARD: Contract Hardware - Gas Attenuator	1	11/13/06	11/13/06	AWARD: Contract Hardware - Gas Attenuator																																																											
XT_2034	AWARD: Contract Controls - Gas Attenuator	1	11/13/06	11/13/06	AWARD: Contract Controls - Gas Attenuator																																																											
XT_2036	AWARD: Contract Venture - Gas Attenuator	1	11/13/06	11/13/06	AWARD: Contract Venture - Gas Attenuator																																																											
XT_2038	AWARD: Contract Turbo Pumps - Gas Attenuator	1	11/13/06	11/13/06	AWARD: Contract Turbo Pumps - Gas Attenuator																																																											
XT_2040	AWARD: Contract Tanks - Gas Attenuator	1	11/13/06	11/13/06	AWARD: Contract Tanks - Gas Attenuator																																																											
XT_2042	AWARD: Contract Dry Pumps - Gas Attenuator	1	11/13/06	11/13/06	AWARD: Contract Dry Pumps - Gas Attenuator																																																											
XT_2044	AWARD: Contract Gast Pumps - Gas Attenuator	1	11/13/06	11/13/06	AWARD: Contract Gast Pumps - Gas Attenuator																																																											
XT_22000	AWARD: Contract Greenfield Comp- Gas Attenuator	1	11/13/06	11/13/06																																					AWARD: Contract Greenfield Comp																							
XT_22003	AWARD: Contract Transfer Manifld - Gas Attenuat	1	11/13/06	11/13/06																																					AWARD: Contract Transfer Manifld																							
XT_22006	AWARD: Contract Gas Purifier - Gas Attenuator	1	11/13/06	11/13/06	AWARD: Contract Gas Purifier - Gas Attenuator																																																											
XT_22009	AWARD: Contract Blower - Gas Attenuator	1	11/13/06	11/13/06	AWARD: Contract Blower - Gas Attenuator																																																											



Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08																							
<b>1.05.04.02.05 Gas Attenuator</b>																																																																												
XT_2033	Vendor Fab Hardware - Gas Attenuator	50	11/14/06	01/29/07													Vendor Fab Hardware - Gas Attenuator																																																											
XT_2037	Vendor Fab Venture - Gas Attenuator	50	11/14/06	01/29/07													Vendor Fab Venture - Gas Attenuator																																																											
XT_2039	Vendor Fab Turbo Pumps - Gas Attenuator	50	11/14/06	01/29/07													Vendor Fab Turbo Pumps - Gas Attenuator																																																											
XT_2041	Vendor Fab Tanks - Gas Attenuator	50	11/14/06	01/29/07													Vendor Fab Tanks - Gas Attenuator																																																											
XT_2043	Vendor Fab Dry Pumps - Gas Attenuator	50	11/14/06	01/29/07													Vendor Fab Dry Pumps - Gas Attenuator																																																											
XT_2045	Vendor Fab Gast Pumps - Gas Attenuator	50	11/14/06	01/29/07													Vendor Fab Gast Pumps - Gas Attenuator																																																											
XT_2051	Vendor Fab Chamber - Gas Attenuator	50	11/14/06	01/29/07													Vendor Fab Chamber - Gas Attenuator																																																											
XT_2054	Vendor Fab Controls - Gas Attenuator	50	11/14/06	01/29/07													Vendor Fab Controls - Gas Attenuator																																																											
XT_22001	Vendor Fab Greenfield Comp - Gas Attenuator	50	11/14/06	01/29/07													Vendor Fab Greenfield Comp - Gas Attenuator																																																											
XT_22004	Vendor Fab Transfer Manifold - Gas Attenuator	50	11/14/06	01/29/07													Vendor Fab Transfer Manifold - Gas Attenuator																																																											
XT_22007	Vendor Fab Gas Purifier - Gas Attenuator	50	11/14/06	01/29/07													Vendor Fab Gas Purifier - Gas Attenuator																																																											
XT_22010	Vendor Fab Blower - Gas Attenuator	50	11/14/06	01/29/07													Vendor Fab Blower - Gas Attenuator																																																											
XT_2031	RECV: Chamber - Gas Attenuator	0		01/29/07													RECV: Chamber - Gas Attenuator																																																											
XT_2050	RECV: Tanks - Gas Attenuator	0		01/29/07																									RECV: Tanks - Gas Attenuator																																															
XT_2053	RECV: Hardware - Gas Attenuator	0		01/29/07													RECV: Hardware - Gas Attenuator																																																											
XT_2055	RECV: Venture - Gas Attenuator	0		01/29/07													RECV: Venture - Gas Attenuator																																																											
XT_2058	RECV: Turbo Pumps - Gas Attenuator	0		01/29/07													RECV: Turbo Pumps - Gas Attenuator																																																											
XT_2062	RECV: Dry Pumps - Gas Attenuator	0		01/29/07													RECV: Dry Pumps - Gas Attenuator																																																											
XT_2064	RECV: Controls - Gas Attenuator	0		01/29/07													RECV: Controls - Gas Attenuator																																																											
XT_2074	RECV: Gast Pumps - Gas Attenuator	0		01/29/07													RECV: Gast Pumps - Gas Attenuator																																																											
XT_22002	RECV: Greenfield Comp - Gas Attenuator	0		01/29/07													RECV: Greenfield Comp - Gas Attenuator																																																											
XT_22005	RECV: Transfer Manifold - Gas Attenuator	0		01/29/07													RECV: Transfer Manifold - Gas Attenuator																																																											
XT_22008	RECV: Gas Purifier - Gas Attenuator	0		01/29/07													RECV: Gas Purifier - Gas Attenuator																																																											
XT_22011	RECV: Blower - Gas Attenuator	0		01/29/07													RECV: Blower - Gas Attenuator																																																											
XT_2035	Assemble Controls - Gas Attenuator	100	01/30/07	06/20/07													Assemble Controls - Gas Attenuator																																																											
XT_2048	Assemble Turbo Pumps - Gas Attenuator	100	01/30/07	06/20/07													Assemble Turbo Pumps - Gas Attenuator																																																											



Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.05.04.03 End Station Optics</b>																																																																
<b>1.05.04.03.02 Optics Tank - Near Hall</b>																																																																
XT_503	Specification - Near Hall Optics Tank	40	09/07/05	11/01/05																																																												
XT_512	Design - Near Hall Optics Tank	40	11/02/05	12/30/05																																																												
XT_544	COMP: Design - Near Hall Optics Tank	0		12/30/05																																																												
XT_1100	Prep Bid Pkg Motion & Mech - NHall Optics Tank	10	01/03/06	01/17/06																																																												
XT_4000	Prep Bid Pkg Cntrl/Elect - Near Hall Optic Tank	10	01/03/06	01/17/06																																																												
XT_505	Prep Bid Pkg Stand - Near Hall Optic Tank	10	01/03/06	01/17/06																																																												
XT_5515	Prep Bid Pkg Diamond Turned Form - NH Optic Tank	10	01/03/06	01/17/06																																																												
XT_5520	Prep Bid Pkg Press - Near Hall Optic Tank	10	01/03/06	01/17/06																																																												
XT_5527	Prep Bid Pkg Lens Fab - Near Hall Optic Tank	10	01/03/06	01/17/06																																																												
XT_5532	Prep Bid Pkg Lens Testing - Near Hall Optic Tank	10	01/03/06	01/17/06																																																												
XT_576	Prepare Bid Package Tank - Near Hall Optics Tank	10	01/03/06	01/17/06																																																												
XT_8000	Prep Bid Package Vacuum - Near Hall Optics Tank	10	01/03/06	01/17/06																																																												
XT_11000	Bid Process Motion & Mech - NHall Optics Tank	20	01/18/06	02/14/06																																																												
XT_4001	Bid Process Control/Elect - Near Hall Optic Tank	20	01/18/06	02/14/06																																																												
XT_5516	Bid Process Diamond Turned Form - NH Optic Tank	20	01/18/06	02/14/06																																																												
XT_5521	Bid Process Press - Near Hall Optic Tank	20	01/18/06	02/14/06																																																												
XT_5528	Bid Process Lens Fab - Near Hall Optic Tank	20	01/18/06	02/14/06																																																												
XT_5533	Bid Process Lens Testing - Near Hall Optic Tank	20	01/18/06	02/14/06																																																												
XT_565	Bid Process Stand - Near Hall Optic Tank	20	01/18/06	02/14/06																																																												
XT_578	Bid Process Vacuum - Near Hall Optics Tank	20	01/18/06	02/14/06																																																												
XT_8001	Bid Process Tank - Near Hall Optics Tank	20	01/18/06	02/14/06																																																												
XT_11001	AWARD: Contract Motion & Mech - NHall Optics Ta	1	02/15/06	02/15/06																																																												
XT_40006	AWARD: Contract Control/Elect - NHall Optic Tan	1	02/15/06	02/15/06																																																												
XT_5517	AWARD: Contract Diamond Turned Form-NH Optic Tnk	1	02/15/06	02/15/06																																																												
XT_5519	RECV: Diamond Turned Form - NH Optic Tank	0		02/15/06																																																												

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.05.04.03.02 Optics Tank - Near Hall</b>																																																																
XT_5522	AWARD: Contract Press - Near Hall Optic Tank	1	02/15/06	02/15/06																																																	AWARD: Contract Press - Near Hall Optic Tank											
XT_5524	RECV: Press - Near Hall Optic Tank	0		02/15/06																																																	◆ RECV: Press - Near Hall Optic Tank											
XT_5529	AWARD: Contract Lens Fab - Near Hall Optic Tank	1	02/15/06	02/15/06																																																	AWARD: Contract Lens Fab - Near Hall Optic Tank											
XT_5531	RECV: Lens Fab - Near Hall Optic Tank	0		02/15/06																																																	◆ RECV: Lens Fab - Near Hall Optic Tank											
XT_5534	AWARD: Contract Lens Test - Near Hall Optic Tank	1	02/15/06	02/15/06																																																	AWARD: Contract Lens Test - Near Hall Optic Tank											
XT_5536	RECV: Lens Testing - Near Hall Optic Tank	0		02/15/06																																																	◆ RECV: Lens Testing - Near Hall Optic Tank											
XT_575	AWARD: Contract Stand - Near Hall Optic Tank	1	02/15/06	02/15/06																																																	AWARD: Contract Stand - Near Hall Optic Tank											
XT_5888	AWARD: Contract Vacuum - Near Hall Optics Tank	1	02/15/06	02/15/06																																																	AWARD: Contract Vacuum - Near Hall Optics Tank											
XT_8004	AWARD: Contract Tank - Near Hall Optics Tank	1	02/15/06	02/15/06																																																	AWARD: Contract Tank - Near Hall Optics Tank											
XT_11002	Vendor Fab/Ship Motion & Mech -NHall Optics Tank	40	02/16/06	04/13/06																																																	█ Vendor Fab/Ship Motion & Mech -NHall Optics											
XT_40055	Vendor Fab/Ship Cntl/Elect -Near Hall Optic Tank	40	02/16/06	04/13/06																																																	█ Vendor Fab/Ship Cntl/Elect -Near Hall Optic Tank											
XT_545	Vendor Fab/Ship Stand - Near Hall Optic Tank	40	02/16/06	04/13/06																																																	█ Vendor Fab/Ship Stand - Near Hall Optic Tank											
XT_579	Vendor Fab/Ship Vacuum - Near Hall Optics Tank	40	02/16/06	04/13/06																																																	█ Vendor Fab/Ship Vacuum - Near Hall Optics Tank											
XT_8003	Vendor Fab/Ship Tank - Near Hall Optics Tank	40	02/16/06	04/13/06																																																	█ Vendor Fab/Ship Tank - Near Hall Optics Tank											
XT_11003	RECV: Motion & Mech - NHall Optics Tank	0		04/13/06																																																	◆ RECV: Motion & Mech - NHall Optics Tank											
XT_40008	RECV: Control/Electrical - NHall Optic Tank	0		04/13/06																																																	◆ RECV: Control/Electrical - NHall Optic Tank											
XT_580	RECV: Stand - Near Hall Optic Tank	0		04/13/06																																																	◆ RECV: Stand - Near Hall Optic Tank											
XT_585	RECV: Vacuum - Near Hall Optics Tank	0		04/13/06																																																	◆ RECV: Vacuum - Near Hall Optics Tank											
XT_8007	RECV: Tank - Near Hall Optics Tank	0		04/13/06																																																	◆ RECV: Tank - Near Hall Optics Tank											
XT_506	Assemble Motion & Mech - Near Hall Optics Tank	40	04/14/06	06/09/06																																																	█ Assemble Motion & Mech - Near Hall Optics											
XT_546	Assemble Control & Elect - Near Hall Optics Tank	40	04/14/06	06/09/06																																																	█ Assemble Control & Elect - Near Hall Optics											
XT_566	Assemble Tank - Near Hall Optics Tank	40	04/14/06	06/09/06																																																	█ Assemble Tank - Near Hall Optics Tank											
XT_586	Assemble Vacuum - Near Hall Optics Tank	40	04/14/06	06/09/06																																																	█ Assemble Vacuum - Near Hall Optics Tank											
XT_606	Assemble Stand - Near Hall Optics Tank	40	04/14/06	06/09/06																																																	█ Assemble Stand - Near Hall Optics Tank											
MS3_XT020	COMP: Design Package - Gas Attenuator	0		09/29/06*																																																	COMP: Design Package - Gas Attenuator◆											
XT_616	REQD: Near Hall Beneficial Occupancy	0		10/02/06																																																	REQD: Near Hall Beneficial Occupancy◆											

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.05.04.04 Crystals &amp; Gratings</b>																																																																
<b>1.05.04.04.02 System Monochrometer</b>																																																																
XT_269	Specification - System Monochrometer	20	10/03/05	10/28/05																																																												
XT_299	Engineering - System Monochrometer	60	10/03/05	12/28/05																																																												
XT_270	Design - System Monochrometer	250	10/31/05	10/26/06																																																												
XT_320	COMP: Design Package - System Monochrometer	0		10/26/06																																																												
XT_440	Prepare Bid Pkg - System Monochrometer	5	10/27/06	11/02/06																																																												
XT_441	Bid Process - System Monochrometer	20	11/03/06	12/04/06																																																												
XT_442	AWARD: Contract - System Monochrometer	1	12/05/06	12/05/06																																																												
XT_443	Vendor Fab - System Monochrometer	100	12/06/06	04/30/07																																																												
XT_444	RECV: System Monochrometer	0		04/30/07																																																												
XT_272	Assemble/Inspect - System Monochrometer	140	05/01/07	11/15/07																																																												
XT_302	AVAIL: System Monochrometer	0		11/15/07																																																												
XT_312	REQD: System Monochrometer	0		11/15/07																																																												
<b>1.05.04.04.03 Pulse Split &amp; Delay</b>																																																																
XT_262	Specification - Pulse Split & Delay	20	10/03/05	10/28/05																																																												
XT_263	Design - Pulse Split & Delay	250	10/31/05	10/26/06																																																												
XT_293	COMP: Design Pulse Split & Delay	0		10/26/06																																																												
XT_303	Prep Bid Pkg Vacuum Chamber -Pulse Split & Delay	10	10/27/06	11/09/06																																																												
XT_314	Prep Bid Pkg Prec Lin Stage -Pulse Split & Delay	10	10/27/06	11/09/06																																																												
XT_264	Procure Hardware - Pulse Split & Delay	60	10/27/06	01/25/07																																																												
XT_313	Bid Process Vacuum Chamber - Pulse Split & Delay	20	11/10/06	12/11/06																																																												
XT_315	Bid Process Prec Lin Stage - Pulse Split & Delay	20	11/10/06	12/11/06																																																												
XT_316	AWARD: Contract Prec Lin Stage-Pulse Split & Del	1	12/12/06	12/12/06																																																												
XT_323	AWARD: Contract Vac Chamber - Pulse Split & Del	1	12/12/06	12/12/06																																																												
XT_317	Vendor Fab Prec Lin Stage - Pulse Split & Delay	60	12/13/06	03/12/07																																																												
XT_333	Vendor Fab/Ship Vacuum Chamb-Pulse Split & Delay	60	12/13/06	03/12/07																																																												

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.05.04.04.03 Pulse Split &amp; Delay</b>					<b>RECV: Prec Lin Stage - Pulse Split &amp; Delay</b> ◆ <b>RECV: Vacuum Chamber Pulse Split &amp; Delay</b> ◆ <b>Assemble/Inspect - Pulse Split &amp; Delay</b>																																																											
XT_318	RECV: Prec Lin Stage - Pulse Split & Delay	0		03/12/07																																																												
XT_343	RECV: Vacuum Chamber Pulse Split & Delay	0		03/12/07																																																												
XT_265	Assemble/Inspect - Pulse Split & Delay	200	03/13/07	12/24/07																																																												
<b>1.05.05 Diagnostics Subsystem</b>																																																																
<b>1.05.05.02 Modeling &amp; Simulation</b>																																																																
<b>1.05.05.02.01 Wave Model</b>																																																																
XT_276	Specification - Wave Model	20	01/03/05	01/31/05	<b>Specification - Wave Model</b>																																																											
XT_277	Design - Wave Model	250	02/01/05	01/27/06	<b>Design - Wave Model</b>																																																											
XT_297	COMP: Design Wave Model	0		01/27/06	<b>COMP: Design Wave Model</b>																																																											
XT_278	Prep Bid Pkg Computer System - Wave Model	5	01/30/06	02/03/06	<b>Prep Bid Pkg Computer System - Wave Model</b>																																																											
XT_298	Bid Process Computer System - Wave Model	20	02/06/06	03/06/06	<b>Bid Process Computer System - Wave Model</b>																																																											
XT_308	AWARD: Contract Computer System - Wave Model	1	03/07/06	03/07/06	<b>AWARD: Contract Computer System - Wave Model</b>																																																											
XT_328	Vendor Ship Computer System - Wave Model	80	03/08/06	06/28/06	<b>Vendor Ship Computer System - Wave Model</b>																																																											
XT_338	RECV: Computer System - Wave Model	0		06/28/06	<b>RECV: Computer System - Wave Model</b>																																																											
XT_279	Assemble - Wave Model	200	10/03/06	07/19/07	<b>Assemble - Wave Model</b>																																																											
<b>1.05.05.02.02 Monte Carlo Model</b>																																																																
XT_283	Specification - Monte Carlo Model	20	01/03/05	01/31/05	<b>Specification - Monte Carlo Model</b>																																																											
XT_284	Design - Monte Carlo Model	250	02/01/05	01/27/06	<b>Design - Monte Carlo Model</b>																																																											
XT_304	COMP: Design - Monte Carlo Model	0		01/27/06	<b>COMP: Design - Monte Carlo Model</b>																																																											
XT_1169	Prep Bid Pkg Computer System - Wave Model	5	01/30/06	02/03/06	<b>Prep Bid Pkg Computer System - Wave Model</b>																																																											
XT_1170	Bid Process Computer System - Wave Model	20	02/06/06	03/06/06	<b>Bid Process Computer System - Wave Model</b>																																																											
XT_1171	AWARD: Contract Computer System - Wave Model	1	03/07/06	03/07/06	<b>AWARD: Contract Computer System - Wave Model</b>																																																											
XT_1172	Vendor Ship Computer System - Wave Model	80	03/08/06	06/28/06	<b>Vendor Ship Computer System - Wave Model</b>																																																											
XT_1173	RECV: Computer System - Wave Model	0		06/28/06	<b>RECV: Computer System - Wave Model</b>																																																											
XT_286	Assemble - Monte Carlo Model	200	10/03/06	07/19/07	<b>Assemble - Monte Carlo Model</b>																																																											
<b>1.05.05.03 Facility Diagnostics</b>																																																																
<b>1.05.05.03.01 Direct Imager</b>																																																																
XT_591	Specification - Direct Imager	40	01/03/05	03/01/05	<b>Specification - Direct Imager</b>																																																											

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.05.05.03.01 Direct Imager</b>																																																																
XT_592	Design (5) - Direct Imager	250	03/02/05	02/27/06																																																												
XT_622	COMP: Design	0		02/27/06																																																												
XT_5551	Prep Bid Pkg Prototype - Direct Imager	10	02/28/06	03/13/06																																																												
XT_5556	Prep Bid Pkg Production Units - Direct Imager	10	02/28/06	03/13/06																																																												
XT_593	Prep Bid Pkg Data Acquisition - Direct Imager	10	02/28/06	03/13/06																																																												
XT_5200	Bid Process Production Units - Direct Imager	40	03/14/06	05/08/06																																																												
XT_5552	Bid Process Prototype - Direct Imager	40	03/14/06	05/08/06																																																												
XT_633	Bid Process Data Acquisition - Direct Imager	40	03/14/06	05/08/06																																																												
XT_5553	AWARD: Contract Prototype - Direct Imager	1	05/09/06	05/09/06																																																												
XT_5558	AWARD: Contract Production Units - Direct Imager	1	05/09/06	05/09/06																																																												
XT_643	AWARD: Contract Data Acquisition - Direct Imager	1	05/09/06	05/09/06																																																												
XT_5554	Vendor Fab/Ship Prototype Hrdware- Direct Imager	60	05/10/06	08/03/06																																																												
XT_5559	Vendor Fab/Ship Production Units - Direct Imager	60	05/10/06	08/03/06																																																												
XT_653	Vendor Fab/Ship Data Acquisiton - Direct Imager	60	05/10/06	08/03/06																																																												
XT_5555	RECV: Prototype Hardware - Direct Imager	0		08/03/06																																																												
XT_5560	RECV: Production Units - Direct Imager	0		08/03/06																																																												
XT_663	RECV: Data Acquisition- Direct Imager	0		08/03/06																																																												
XT_594	Assemble - Direct Imager	100	12/29/06	05/22/07																																																												
XT_654	AVAIL: Direct Imager	0		05/22/07																																																												
<b>1.05.05.03.02 Indirect Imager</b>																																																																
XT_691	Specification - Indirect Imager	40	01/03/05	03/01/05																																																												
XT_692	Design - Indirect Imager	200	03/02/05	12/13/05																																																												
XT_712	COMP: Design Package - Indirect Imager	0		12/13/05																																																												
XT_6600	Prep Bid Pkg Prototype - Indirect Imager	10	12/14/05	12/28/05																																																												
XT_6605	Prep Bid Pkg Production Units - Indirect Imager	10	12/14/05	12/28/05																																																												
XT_6601	Bid Process Prototype - Indirect Imager	40	12/29/05	02/27/06																																																												

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.05.05.03.02 Indirect Imager</b>																																																																
XT_6606	Bid Process Production Units - Indirect Imager	40	12/29/05	02/27/06																																					■ Bid Process Production Units - Indirect Imager																							
XT_6602	AWARD: Contract Prototype - Indirect Imager	1	02/28/06	02/28/06																																					■ AWARD: Contract Prototype - Indirect Imager																							
XT_6607	AWARD: Contract Production Units - Indirect Imag	1	02/28/06	02/28/06																																					■ AWARD: Contract Production Units - Indirect Im																							
XT_6603	Vendor Fab/Ship Prototype Hrdware-Indirect Image	60	03/01/06	05/23/06																																					■ Vendor Fab/Ship Prototype Hrdware-Indirect																							
XT_6608	Vendor Fab/Ship Production Units - Indirect Imag	60	03/01/06	05/23/06																																					■ Vendor Fab/Ship Production Units - Indirect																							
XT_6604	RECV: Prototype Hardware - Indirect Imager	0		05/23/06																																					◆ RECV: Prototype Hardware - Indirect Imager																							
XT_6609	RECV: Production Units - Indirect Imager	0		05/23/06																																					◆ RECV: Production Units - Indirect Imager																							
XT_694	Assemble - Indirect Imager	100	05/24/06	10/13/06																																					■ Assemble - Indirect Imager																							
XT_704	AVAIL: Indirect Imager Ready to Ship to SLAC	0		04/13/07																																					◆ AVAIL: Indirect Imager Ready to Ship to SLA																							
MS3_XT030	AVAIL: Indirect Imager Ready to Ship to SLAC	0		05/31/07*																																					◆ AVAIL: Indirect Imager Ready to Ship to SLA																							
<b>1.05.05.03.05 FEE Diagnostic Tanks</b>																																																																
XT_991	Specification - FEE Diagnostic Tank	40	01/30/06	03/27/06																																					■ Specification - FEE Diagnostic Tank																							
XT_992	Design - FEE Diagnostic Tank	125	03/28/06	09/21/06																																					■ Design - FEE Diagnostic Tank																							
XT_1012	COMP: Design - FEE Diagnostic Tank	0		09/21/06																																					◆ COMP: Design - FEE Diagnostic Tank																							
XT_1032	Prep Bid Pkg Tank - FEE Diagnostic Tank	5	09/22/06	09/28/06																																					■ Prep Bid Pkg Tank - FEE Diagnostic Tank																							
XT_6670	Prep Bid Pkg Turbo System - FEE Diagnostic Tank	5	09/22/06	09/28/06																																					■ Prep Bid Pkg Turbo System - FEE Dia																							
XT_6675	Prep Bid Pkg Scroll Dry Pump-FEE Diagnostic Tnk	5	09/22/06	09/28/06																																					■ Prep Bid Pkg Scroll Dry Pump-FEE Di																							
XT_6680	Prep Bid Pkg Imager Stages - FEE Diagnostic Tank	5	09/22/06	09/28/06																																					■ Prep Bid Pkg Imager Stages - FEE Dia																							
XT_6685	Prep Bid Pkg Stand - FEE Diagnostic Tank	5	09/22/06	09/28/06																																					■ Prep Bid Pkg Stand - FEE Diagnostic Tank																							
XT_6690	Prep Bid Pkg Motor Driver - FEE Diagnostic Tank	5	09/22/06	09/28/06																																					■ Prep Bid Pkg Motor Driver - FEE Diag																							
XT_6695	Prep Bid Pkg EPICS IF - FEE Diagnostic Tank	5	09/22/06	09/28/06																																					■ Prep Bid Pkg EPICS IF - FEE Diagnostic Tank																							
XT_6700	Prep Bid Pk Misc Racks/Chases-FEE Diagnostic Tnk	5	09/22/06	09/28/06																																					■ Prep Bid Pk Misc Racks/Chases-FEE I																							
XT_993	Procure Computer - FEE Diagnostic Tank	60	09/22/06	12/18/06																																					■ Procure Computer - FEE Diagnostic Tan																							
XT_1042	Bid Process Tank - FEE Diagnostic Tank	20	09/29/06	10/26/06																																					■ Bid Process Tank - FEE Diagnostic Tan																							
XT_6671	Bid Process Turbo System - FEE Diagnostic Tank	20	09/29/06	10/26/06																																					■ Bid Process Turbo System - FEE Dia																							
XT_6676	Bid Process Scroll Dry Pump-FEE Diagnostic Tnk	20	09/29/06	10/26/06																																					■ Bid Process Scroll Dry Pump-FEE D																							



Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.05.05.03.05 FEE Diagnostic Tanks</b>																																																																
XT_6681	Bid Process Imager Stages - FEE Diagnostic Tank	20	09/29/06	10/26/06																																					■ Bid Process Imager Stages - FEE Di																							
XT_6686	Bid Process Stand - FEE Diagnostic Tank	20	09/29/06	10/26/06													■ Bid Process Stand - FEE Diagnostic Tan																																															
XT_6691	Bid Process Motor Driver - FEE Diagnostic Tank	20	09/29/06	10/26/06																																					■ Bid Process Motor Driver - FEE Diag																							
XT_6696	Bid Process EPICS IF - FEE Diagnostic Tank	20	09/29/06	10/26/06													■ Bid Process EPICS IF - FEE Diagnostic Tan																																															
XT_6701	Bid Process Misc Racks/Chases-FEE Diagnostic Tnk	20	09/29/06	10/26/06																																					■ Bid Process Misc Racks/Chases-FEE																							
XT_1052	AWARD: Contract Tank - FEE Diagnostic Tank	1	10/27/06	10/27/06	AWARD: Contract Tank - FEE Diagnostic Tank																																																											
XT_6672	AWARD: Contract Turbo System - FEE Diagnostic Tn	1	10/27/06	10/27/06																																					AWARD: Contract Turbo System - FI																							
XT_6677	AWARD: Contract Scroll Dry Pump-FEE DiagnosticTn	1	10/27/06	10/27/06																																					AWARD: Contract Scroll Dry Pump-F																							
XT_6682	AWARD: Contract Imager Stages - FEE Diagnostic	1	10/27/06	10/27/06																																					AWARD: Contract Imager Stages - F																							
XT_6687	AWARD: Contract Stand - FEE Diagnostic Tank	1	10/27/06	10/27/06	AWARD: Contract Stand - FEE Diagnostic Tank																																																											
XT_6692	AWARD: Contract Motor Driver - FEE Diagnostic Ta	1	10/27/06	10/27/06																																					AWARD: Contract Motor Driver - FEE																							
XT_6697	AWARD: Contract EPICS IF - FEE Diagnostic Tank	1	10/27/06	10/27/06																																					AWARD: Contract EPICS IF - FEE Di																							
XT_6702	AWARD: Contract Misc Racks/Chases-FEE Diagnostic	1	10/27/06	10/27/06																																					AWARD: Contract Misc Racks/Chase																							
XT_1062	Vendor Fab/Ship Tank - FEE Diagnostic Tank	60	10/30/06	01/26/07	Vendor Fab/Ship Tank - FEE Diagnostic Tan												■																																															
XT_6673	Vendor Fab/Ship Turbo System - FEE Diagnostic Ta	60	10/30/06	01/26/07																																					■ Vendor Fab/Ship Turbo System																							
XT_6678	Vendor Ship Scroll Dry Pump-FEE Diagnostic Tank	60	10/30/06	01/26/07																																					■ Vendor Ship Scroll Dry Pump-FI																							
XT_6683	Vendor Fab/Ship Imager Stages - FEE Diagnostic T	60	10/30/06	01/26/07																																					■ Vendor Fab/Ship Imager Stages																							
XT_6688	Vendor Fab/Ship Stand - FEE Diagnostic Tank	60	10/30/06	01/26/07	Vendor Fab/Ship Stand - FEE Diagnostic Tan												■																																															
XT_6693	Vendor Fab/Ship Motor Driver -FEE Diagnostic Tnk	60	10/30/06	01/26/07																																					■ Vendor Fab/Ship Motor Driver -F																							
XT_6698	Vendor Fab/Ship EPICS IF - FEE Diagnostic Tank	60	10/30/06	01/26/07																																					■ Vendor Fab/Ship EPICS IF - FEE																							
XT_6703	Vendor Fab/Ship Misc Racks/Chases-FEE Diagnostic	60	10/30/06	01/26/07																																					■ Vendor Fab/Ship Misc Racks/Ch																							
XT_1072	RECV: Tank - FEE Diagnostic Tank	0		01/26/07	RECV: Tank - FEE Diagnostic Tank												◆																																															
XT_6674	RECV: Turbo System - FEE Diagnostic Tank	0		01/26/07	RECV: Turbo System - FEE Diagnostic Tan												◆																																															
XT_6679	RECV: Scroll Dry Pump-FEE Diagnostic Tnk	0		01/26/07	RECV: Scroll Dry Pump-FEE Diagnostic Tn												◆																																															
XT_6684	RECV: Imager Stages - FEE Diagnostic Tank	0		01/26/07	RECV: Imager Stages - FEE Diagnostic Tan												◆																																															
XT_6689	RECV: Stand - FEE Diagnostic Tank	0		01/26/07	RECV: Stand - FEE Diagnostic Tan												◆																																															

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08																							
<b>1.05.05.03.05 FEE Diagnostic Tanks</b>																																																																												
XT_6694	RECV: Motor Driver - FEE Diagnostic Tank	0		01/26/07																									RECV: Motor Driver - FEE Diagnostic Tank																																															
XT_6699	RECV: EPICS IF - FEE Diagnostic Tank	0		01/26/07																									RECV: EPICS IF - FEE Diagnostic Tank																																															
XT_6704	RECV: Misc Racks/Chases-FEE Diagnostic Tnk	0		01/26/07																									RECV: Misc Racks/Chases-FEE Diagnostic Tnk																																															
XT_994	Assemble - FEE Diagnostic Tank	100	04/16/07	09/05/07																									Assemble - FEE Diagnostic Tank																																															
<b>1.05.05.03.06 Ion Pumped Diagnostic Tanks</b>																																																																												
XT_1000	Specification - Ion Pumped Tank	40	01/30/06	03/27/06																																					Specification - Ion Pumped Tank																																			
XT_1001	Design - Ion Pumped Tank	200	03/28/06	01/10/07																																					Design - Ion Pumped Tank																																			
XT_7700	COMP: Design Package - Ion Pumped Tank	0		09/21/06																									COMP: Design Package - Ion Pumped Tank																																															
XT_7701	Prep Bid Pkg Tank - Ion Pumped Tank	5	09/22/06	09/28/06																																					Prep Bid Pkg Tank - Ion Pumped Tank																																			
XT_7706	Prep Bid Pkg Ion Pump - Ion Pumped Tank	5	09/22/06	09/28/06																																					Prep Bid Pkg Ion Pump - Ion Pumped Tank																																			
XT_7711	Prep Bid Pkg Misc - Ion Pumped Tank	5	09/22/06	09/28/06																																					Prep Bid Pkg Misc - Ion Pumped Tank																																			
XT_7716	Prep Bid Pkg Imager Stages - Ion Pumped Tank	5	09/22/06	09/28/06																																					Prep Bid Pkg Imager Stages - Ion Pump																																			
XT_7721	Prep Bid Pkg Stand - Ion Pumped Tank	5	09/22/06	09/28/06																																					Prep Bid Pkg Stand - Ion Pumped Tank																																			
XT_7726	Prep Bid Pkg Motor Driver - Ion Pumped Tank	5	09/22/06	09/28/06																																					Prep Bid Pkg Motor Driver - Ion Pumped Tank																																			
XT_7731	Prep Bid Pkg EPICS IF - Ion Pumped Tank	5	09/22/06	09/28/06																																					Prep Bid Pkg EPICS IF - Ion Pumped Tank																																			
XT_7736	Prep Bid Pk Misc Racks/Chases-Ion Pumped Tank	5	09/22/06	09/28/06																																					Prep Bid Pk Misc Racks/Chases-Ion P																																			
XT_7702	Bid Process Tank - Ion Pumped Tank	20	09/29/06	10/26/06																																					Bid Process Tank - Ion Pumped Tank																																			
XT_7707	Bid Process Ion Pump - Ion Pumped Tank	20	09/29/06	10/26/06																																					Bid Process Ion Pump - Ion Pumped Tank																																			
XT_7712	Bid Process Misc - Ion Pumped Tank	20	09/29/06	10/26/06																																					Bid Process Misc - Ion Pumped Tank																																			
XT_7717	Bid Process Imager Stages - Ion Pumped Tank	20	09/29/06	10/26/06																																					Bid Process Imager Stages - Ion Pumped Tank																																			
XT_7722	Bid Process Stand - Ion Pumped Tank	20	09/29/06	10/26/06																																					Bid Process Stand - Ion Pumped Tank																																			
XT_7727	Bid Process Motor Driver - Ion Pumped Tank	20	09/29/06	10/26/06																																					Bid Process Motor Driver - Ion Pumped Tank																																			
XT_7732	Bid Process EPICS IF - Ion Pumped Tank	20	09/29/06	10/26/06																																					Bid Process EPICS IF - Ion Pumped Tank																																			
XT_7737	Bid Process Misc Racks/Chases-Ion Pumped Tank	20	09/29/06	10/26/06																																					Bid Process Misc Racks/Chases-Ion																																			
XT_7703	AWARD: Contract Tank - Ion Pumped Tank	1	10/27/06	10/27/06																																					AWARD: Contract Tank - Ion Pumped Tank																																			
XT_7708	AWARD: Contract Ion Pump - Ion Pumped Tank	1	10/27/06	10/27/06																																					AWARD: Contract Ion Pump - Ion Pumped Tank																																			

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.05.05.03.06 Ion Pumped Diagnostic Tanks</b>																																																																
XT_7713	AWARD: Contract Misc - Ion Pump Tnk	1	10/27/06	10/27/06	AWARD: Contract Misc - Ion Pump Tnk																																																											
XT_7718	AWARD: Contract Imager Stages - Ion Pumped Tank	1	10/27/06	10/27/06													AWARD: Contract Imager Stages - I																																															
XT_7723	AWARD: Contract Stand - Ion Pumped Tank	1	10/27/06	10/27/06	AWARD: Contract Stand - Ion Pumped Tank																																																											
XT_7728	AWARD: Contract Motor Driver - Ion Pumped Tank	1	10/27/06	10/27/06													AWARD: Contract Motor Driver - Ion																																															
XT_7733	AWARD: Contract EPICS IF - Ion Pumped Tank	1	10/27/06	10/27/06	AWARD: Contract EPICS IF - Ion Pumped Tank																																																											
XT_7738	AWARD: Contract Misc Racks/Chases-Ion Pumped Tan	1	10/27/06	10/27/06													AWARD: Contract Misc Racks/Chase																																															
XT_7704	Vendor Fab/Ship Tank - Ion Pumped Tank	60	10/30/06	01/26/07	Vendor Fab/Ship Tank - Ion Pumped Tan																																																											
XT_7709	Vendor Fab/Ship Ion Pump - Ion Pumped Tank	60	10/30/06	01/26/07	Vendor Fab/Ship Ion Pump - Ion Pumped Tan																																																											
XT_7714	Vendor Ship Misc - Ion Pumped Tank	60	10/30/06	01/26/07	Vendor Ship Misc - Ion Pumped Tan																																																											
XT_7719	Vendor Fab/Ship Imager Stages - Ion Pumped Tank	60	10/30/06	01/26/07													Vendor Fab/Ship Imager Stages																																															
XT_7724	Vendor Fab/Ship Stand - Ion Pumped Tank	60	10/30/06	01/26/07	Vendor Fab/Ship Stand - Ion Pumped Tan																																																											
XT_7729	Vendor Fab/Ship Motor Driver -Ion Pumped Tank	60	10/30/06	01/26/07	Vendor Fab/Ship Motor Driver -Ion Pumped Tan																																																											
XT_7734	Vendor Fab/Ship EPICS IF - Ion Pumped Tank	60	10/30/06	01/26/07	Vendor Fab/Ship EPICS IF - Ion Pumped Tan																																																											
XT_7739	Vendor Fab/Ship Misc Racks/Chases-Ion Pumped Tan	60	10/30/06	01/26/07													Vendor Fab/Ship Misc Racks/Ch																																															
XT_1002	Procure Computer - Ion Pumped Tank	60	01/11/07	04/06/07	Procure Computer - Ion Pumped Tan																																																											
XT_1013	AVAIL: Ion Pumped Tank at LLNL for Assembly	0		01/26/07	AVAIL: Ion Pumped Tank at LLNL for Assembl																																																											
XT_7705	RECV: Tank - Ion Pumped Tank	0		01/26/07	RECV: Tank - Ion Pumped Tank																																																											
XT_7710	RECV: Ion Pump - Ion Pumped Tank	0		01/26/07	RECV: Ion Pump - Ion Pumped Tank																																																											
XT_7715	RECV: Misc - Ion Pumped Tank	0		01/26/07	RECV: Misc - Ion Pumped Tank																																																											
XT_7720	RECV: Imager Stages - Ion Pumped Tank	0		01/26/07	RECV: Imager Stages - Ion Pumped Tank																																																											
XT_7725	RECV: Stand - Ion Pumped Tank	0		01/26/07	RECV: Stand - Ion Pumped Tank																																																											
XT_7730	RECV: Motor Driver - Ion Pumped Tank	0		01/26/07	RECV: Motor Driver - Ion Pumped Tank																																																											
XT_7735	RECV: EPICS IF - Ion Pumped Tank	0		01/26/07	RECV: EPICS IF - Ion Pumped Tank																																																											
XT_7740	RECV: Misc Racks/Chases-Ion Pumped Tank	0		01/26/07	RECV: Misc Racks/Chases-Ion Pumped Tan																																																											
XT_1003	Assemble - Ion Pumped Tank	60	04/09/07	07/02/07													Assemble - Ion Pumped Tan																																															

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.05.05.04 Commissioning Diagnostics</b>																																																																
XT_40	Engineering - Commissioning Diagnostics	100	01/30/06	06/20/06																																																												
<b>1.05.05.04.01 Commission Diagnostic Tank</b>																																																																
XT_7777	RECV: Scroll Dry Pump - Comm Diagnostic Tank	0		05/28/04	◆ RECV: Scroll Dry Pump - Comm Diagnostic Tank																																																											
XT_7778	RECV: Turbo System - Comm Diagnostic Tank	0		05/28/04	◆ RECV: Turbo System - Comm Diagnostic Tank																																																											
XT_7779	RECV: Imager Stages - Comm Diagnostic Tank	0		05/28/04	◆ RECV: Imager Stages - Comm Diagnostic Tank																																																											
XT_7780	RECV: Stand - Comm Diagnostic Tank	0		05/28/04	◆ RECV: Stand - Comm Diagnostic Tank																																																											
XT_7781	RECV: Motor Driver - Comm Diagnostic Tank	0		05/28/04	◆ RECV: Motor Driver - Comm Diagnostic Tank																																																											
XT_7782	RECV: EPICS IF - Comm Diagnostic Tank	0		05/28/04	◆ RECV: EPICS IF - Comm Diagnostic Tank																																																											
XT_7783	RECV: 2 Axis Rail Adjust-Comm Diagnostic Tank	0		05/28/04	◆ RECV: 2 Axis Rail Adjust-Comm Diagnostic Tank																																																											
XT_411	Specification - Comm Diagnostic Tank	40	01/30/06	03/27/06																									■ Specification - Comm Diagnostic Tank																																			
XT_412	Design - Comm Diagnostic Tank	125	03/28/06	09/21/06																									■ Design - Comm Diagnostic Tank																																			
XT_7741	COMP: Design - Comm Diagnostic Tank	0		09/21/06	COMP: Design - Comm Diagnostic Tank◆																																																											
XT_7742	Prep Bid Pkg Tank - Comm Diagnostic Tank	5	09/22/06	09/28/06	Prep Bid Pkg Tank - Comm Diagnostic Tank																																																											
XT_7743	Prep Bid Pkg Scroll Dry Pump-Comm Diagnostic Tnk	5	09/22/06	09/28/06																									■ Prep Bid Pkg Scroll Dry Pump-Comm																																			
XT_7744	Prep Bid Pkg Turbo System - Comm Diagnostic Tank	5	09/22/06	09/28/06																									■ Prep Bid Pkg Turbo System - Comm D																																			
XT_7745	Prep Bid Pkg Imager Stages - Comm Diagnostic Tan	5	09/22/06	09/28/06																									■ Prep Bid Pkg Imager Stages - Comm I																																			
XT_7746	Prep Bid Pkg Stand - Comm Diagnostic Tank	5	09/22/06	09/28/06	Prep Bid Pkg Stand - Comm Diagnostic Tank																																																											
XT_7747	Prep Bid Pkg Motor Driver - Comm Diagnostic Tank	5	09/22/06	09/28/06																									■ Prep Bid Pkg Motor Driver - Comm Dia																																			
XT_7748	Prep Bid Pkg EPICS IF - Comm Diagnostic Tank	5	09/22/06	09/28/06																									■ Prep Bid Pkg EPICS IF - Comm Diagne																																			
XT_7749	Prep Bid Pk 2 Axis Rail Adjus-Comm Diagnostic Ta	5	09/22/06	09/28/06																									■ Prep Bid Pk 2 Axis Rail Adjus-Comm I																																			
XT_7751	Bid Process Tank - Comm Diagnostic Tank	20	09/29/06	10/26/06	Bid Process Tank - Comm Diagnostic Tank■																																																											
XT_7752	Bid Process Scroll Dry Pump-Comm Diagnostic Tank	20	09/29/06	10/26/06																									■ Bid Process Scroll Dry Pump-Comm																																			
XT_7753	Bid Process Turbo System - Comm Diagnostic Tank	20	09/29/06	10/26/06																									■ Bid Process Turbo System - Comm I																																			
XT_7754	Bid Process Imager Stages - Comm Diagnostic Tan	20	09/29/06	10/26/06																									■ Bid Process Imager Stages - Comm																																			
XT_7755	Bid Process Stand - Comm Diagnostic Tank	20	09/29/06	10/26/06	Bid Process Stand - Comm Diagnostic Tank■																																																											
XT_7756	Bid Process Motor Driver - Comm Diagnostic Tank	20	09/29/06	10/26/06																									■ Bid Process Motor Driver - Comm Di																																			

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04 FY05 FY06 FY07 FY08																							
					FY04				FY05				FY06				FY07				FY08							
<b>1.05.05.04.01 Commission Diagnostic Tank</b>																												
XT_7757	Bid Process EPICS IF - Comm Diagnostic Tank	20	09/29/06	10/26/06	Bid Process EPICS IF - Comm Diagnostic Tank																							
XT_7758	Bid Process 2 Axis Rail Adjus-Comm Diagnostic Ta	20	09/29/06	10/26/06	Bid Process 2 Axis Rail Adjus-Comm																							
XT_7775	Assemble - Comm Diagnostic Tank	80	09/29/06	01/25/07	Assemble - Comm Diagnostic Tank																							
XT_7793	REQD: Near Hall Beneficial Occup -Comm Diag Tank	1	10/03/06	10/03/06	REQD: Near Hall Beneficial Occup -Co																							
XT_7759	AWARD: Contract Tank - Comm Diagnostic Tank	1	10/27/06	10/27/06	AWARD: Contract Tank - Comm Diagnostic Tank																							
XT_7760	AWARD: Contract Scroll Dry Pump Comm Diagnostic	1	10/27/06	10/27/06	AWARD: Contract Scroll Dry Pump C																							
XT_7761	AWARD: Contract Turbo System - Comm Diagnostic T	1	10/27/06	10/27/06	AWARD: Contract Turbo System - C																							
XT_7762	AWARD: Contract Imager Stages - Comm Diagnostic	1	10/27/06	10/27/06	AWARD: Contract Imager Stages - C																							
XT_7763	AWARD: Contract Stand - Comm Diagnostic Tank	1	10/27/06	10/27/06	AWARD: Contract Stand - Comm Dia																							
XT_7764	AWARD: Contract Motor Driver - Comm Diagnostic T	1	10/27/06	10/27/06	AWARD: Contract Motor Driver - Co																							
XT_7765	AWARD: Contract EPICS IF - Comm Diagnostic Tank	1	10/27/06	10/27/06	AWARD: Contract EPICS IF - Comm																							
XT_7766	AWARD: Contract 2 Axis Rail Adjustment-Comm Diag	1	10/27/06	10/27/06	AWARD: Contract 2 Axis Rail Adjust																							
XT_7767	Vendor Fab/Ship Tank - Comm Diagnostic Tank	60	10/30/06	01/26/07	Vendor Fab/Ship Tank - Comm Diagnostic Tank																							
XT_7776	RECV: Tank - Comm Diagnostic Tank	0		01/26/07	RECV: Tank - Comm Diagnostic Tank																							
<b>1.05.05.04.02 Total Energy Measurement</b>																												
XT_418	Specification - Total Energy Measurement	40	01/30/06	03/27/06	Specification - Total Energy Measurement																							
XT_419	Design - Total Energy Measurement	180	03/28/06	12/11/06	Design - Total Energy Measuremen																							
XT_4225	AWARD - Total Energy Measurement	1	12/12/06	12/12/06	AWARD - Total Energy Measurement																							
XT_7801	Procure Production Unit-Total Energy Measurement	60	12/12/06	03/09/07	Procure Production Unit-Tota																							
XT_422	Procure Data Acquisit - Total Energy Measurement	60	12/13/06	03/12/07	Procure Data Acquisit - Total Energy Measureme																							
XT_421	Assemble - Total Energy Measurement	160	03/13/07	10/25/07	Assemble - Total Energy Measuremen																							
<b>1.05.05.04.04 Spectral Measurement</b>																												
XT_478	Specification - Spectral Measurement	40	01/30/06	03/27/06	Specification - Spectral Measurement																							
XT_479	Design - Spectral Measurement	120	03/28/06	09/14/06	Design - Spectral Measurement																							
XT_539	COMP: Design Package - Spectral Measurement	0		09/14/06	COMP: Design Package - Spectral Me																							
MS3_XT035	COMP: Design Package - Spectral Measurement	0		03/30/07*	COMP: Design Package - Spectral Measuremen																							

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04	FY05	FY06	FY07	FY08
<b>1.05.05.04.04 Spectral Measurement</b>									
XT_481	Prep Bid Data Acquisition- Spectral Measurement	5	04/02/07	04/06/07					
XT_8842	Prep Bid Pkg Grating - Spectral Measurement	5	04/02/07	04/06/07					
XT_8845	Prep Bid Pkg Low Energy - Spectral Measurement	5	04/02/07	04/06/07					
XT_8846	Prep Bid Rails & Stages - Spectral Measurement	5	04/02/07	04/06/07					
XT_8855	Prep Bid Pkg High Energy - Spectral Measurement	5	04/02/07	04/06/07					
XT_561	Bid Process Data Acquisition- Spectral Measure	20	04/09/07	05/04/07					
XT_8852	Bid Process Grating - Spectral Measurement	20	04/09/07	05/04/07					
XT_8856	Bid Process Rails & Stages -Spectral Measurement	20	04/09/07	05/04/07					
XT_8865	Bid Process Low Energy - Spectral Measurement	20	04/09/07	05/04/07					
XT_8895	Bid Process - Spectral Measurement	20	04/09/07	05/04/07					
XT_571	AWARD: Data Acquisition- Spectral Measurement	1	05/07/07	05/07/07					
XT_8862	AWARD: Grating - Spectral Measurement	1	05/07/07	05/07/07					
XT_8866	AWARD: Rails & Stages - Spectral Measurement	1	05/07/07	05/07/07					
XT_8875	AWARD: Low Energy - Spectral Measurement	1	05/07/07	05/07/07					
XT_8905	AWARD: Contract - Spectral Measurement	1	05/07/07	05/07/07					
XT_581	Vendor Fab Data Acquisition-Spectral Measurement	40	05/08/07	07/03/07					
XT_8872	Vendor Fab Grating - Spectral Measurement	40	05/08/07	07/03/07					
XT_8876	Vendor Fab Rails & Stages - Spectral Measurement	40	05/08/07	07/03/07					
XT_8935	Vendor Fab Low Energy - Spectral Measurement	40	05/08/07	07/03/07					
XT_8915	Vendor Fab High Energy - Spectral Measurement	60	05/08/07	08/01/07					
XT_611	RECV: Data Acquisition- Spectral Measurement	0		07/03/07					
XT_8882	RECV: Grating - Spectral Measurement	0		07/03/07					
XT_8885	RECV: Low Energy - Spectral Measurement	0		07/03/07					
XT_8886	RECV: Rails & Stages - Spectral Measurement	0		07/03/07					
XT_8925	RECV: High Energy - Spectral Measurement	0		08/01/07					
XT_4888	Assemble at LLNL - Spectral Measurement	40	08/02/07	09/27/07					

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.05.05.04.04 Spectral Measurement</b>																																																																
XT_4898	Test at LLNL - Spectral Measurement	10	09/28/07	10/11/07																									Test at LLNL - Spectral Measurement																																			
XT_4908	Ship to SLAC - Spectral Measurement	10	10/12/07	10/25/07																									Ship to SLAC - Spectral Measurement																																			
XT_4918	Assemble at SLAC - Spectral Measurement	10	10/26/07	11/08/07																									Assemble at SLAC - Spectral Measurement																																			
XT_4928	AVAIL: Spectral Measurement	0		11/08/07																									AVAIL: Spectral Measurement																																			
<b>1.05.05.04.05 Spatial Coherence</b>																																																																
XT_485	Specification - Spatial Coherence	40	01/30/06	03/27/06																									Specification - Spatial Coherence																																			
XT_486	Design - Spatial Coherence	120	03/28/06	09/14/06																									Design - Spatial Coherence																																			
XT_686	COMP: Design - Spatial Coherence	0		09/14/06																									COMP: Design - Spatial Coherence																																			
XT_2555	Prep Bid Pkg High Energy Slit - Spatial Coherence	10	09/15/06	09/28/06																									Prep Bid Pkg High Energy Slit - Spatial Coherence																																			
XT_487	Prep Bid Pkg Low Energy Slit - Spatial Coherence	10	09/15/06	09/28/06																									Prep Bid Pkg Low Energy Slit - Spatial Coherence																																			
XT_251	Bid Process High Energy Slit - Spatial Coherence	20	09/29/06	10/26/06																									Bid Process High Energy Slit - Spatial Coherence																																			
XT_657	Bid Process Low Energy Slit - Spatial Coherence	20	09/29/06	10/26/06																									Bid Process Low Energy Slit - Spatial Coherence																																			
XT_252	AWARD: High Energy Slit - Spatial Coherence	1	10/27/06	10/27/06																									AWARD: High Energy Slit - Spatial Coherence																																			
XT_687	AWARD: Low Energy Slit - Spatial Coherence	1	10/27/06	10/27/06																									AWARD: Low Energy Slit - Spatial Coherence																																			
XT_253	Vendor Fab High Energy Slit - Spatial Coherence	60	10/30/06	01/26/07																									Vendor Fab High Energy Slit - Spatial Coherence																																			
XT_707	Vendor Fab Low Energy Slit - Spatial Coherence	60	10/30/06	01/26/07																									Vendor Fab Low Energy Slit - Spatial Coherence																																			
XT_254	RECV: Low Energy Slit - Spatial Coherence	0		01/26/07																									RECV: Low Energy Slit - Spatial Coherence																																			
XT_717	RECV: Low Energy Slit - Spatial Coherence	0		01/26/07																									RECV: Low Energy Slit - Spatial Coherence																																			
XT_488	Assemble - Spatial Coherence	60	01/29/07	04/23/07																									Assemble - Spatial Coherence																																			
XT_518	Test at LLNL - Spatial Coherence	20	04/24/07	05/21/07																									Test at LLNL - Spatial Coherence																																			
XT_528	Ship to SLAC - Spatial Coherence	5	05/22/07	05/29/07																									Ship to SLAC - Spatial Coherence																																			
XT_538	Assemble - Spatial Coherence	10	05/30/07	06/12/07																									Assemble - Spatial Coherence																																			
XT_548	AVAIL: Spatial Coherence	0		06/12/07																									AVAIL: Spatial Coherence																																			
<b>1.05.05.04.06 Spatial Shape &amp; Centroid Measurement</b>																																																																
XT_4993	Specification - Spatial Shape & Centroid Measure	40	01/30/06	03/27/06																									Specification - Spatial Shape & Centroid Measure																																			
XT_4994	Design - Spatial Shape & Centroid Measure	200	03/28/06	01/10/07																									Design - Spatial Shape & Centroid Measure																																			

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.05.05.04.06 Spatial Shape &amp; Centroid Measurement</b>																																																																
XT_5014	COMP: Design - Spatial Shape & Centroid Measure	0		01/10/07	COMP: Design - Spatial Shape & Centroid Measure																																																											
XT_780	Prepare Bid Pkg -Spatial Shape & Centroid Measur	5	01/11/07	01/18/07	Prepare Bid Pkg -Spatial Shape & Centroid Measur																																																											
XT_781	Bid Process - Spatial Shape & Centroid Measure	20	01/19/07	02/15/07	Bid Process - Spatial Shape & Centroid Measure																																																											
XT_782	AWARD: Contract - Spatial Shape & Centroid Measu	1	02/16/07	02/16/07	AWARD: Contract - Spatial Shape & Centroid Measu																																																											
XT_783	Vendor Fab/Ship - Spatial Shape & Centroid Measu	60	02/20/07	05/14/07	Vendor Fab/Ship - Spatial Shape & Centroid Measu																																																											
XT_7789	RECV: Material -Spatial Shape & Centroid Measure	0		05/14/07	RECV: Material -Spatial Shape & Centroid Measure																																																											
XT_899	Assemble -Spatial Shape & Centroid Measure	80	05/15/07	09/06/07	Assemble -Spatial Shape & Centroid Measure																																																											
XT_786	Ship to SLAC-Spatial Shape & Centroid Measure	5	09/07/07	09/13/07	Ship to SLAC-Spatial Shape & Centroid Measure																																																											
XT_787	Unpack and Assemble at SLAC-Spatial Shape & Cent	10	09/14/07	09/27/07	Unpack and Assemble at SLAC-Spatial Shape & Cent																																																											
XT_788	AVAIL: Spatial Shape & Centroid Measure	0		09/27/07	AVAIL: Spatial Shape & Centroid Measure																																																											
XT_798	REQD: Near Hall Benefic Occup-Spatial & Centroid	0		09/27/07	REQD: Near Hall Benefic Occup-Spatial & Centroid																																																											
<b>1.05.05.04.07 Divergence Measurement</b>																																																																
XT_5000	Specification - Divergence Measurement	40	01/30/06	03/27/06	Specification - Divergence Measurement																																																											
XT_5111	Design - Divergence Measurement	200	03/28/06	01/10/07	Design - Divergence Measurement																																																											
XT_5121	COMP: Design - Divergence Measurement	0		01/10/07	COMP: Design - Divergence Measurement																																																											
XT_51112	Prepare Bid Pkg - Divergence Measurement	5	01/11/07	01/18/07	Prepare Bid Pkg - Divergence Measurement																																																											
XT_51122	Bid Process - Divergence Measurement	20	01/19/07	02/15/07	Bid Process - Divergence Measurement																																																											
XT_51132	AWARD: Contract - Divergence Measurement	1	02/16/07	02/16/07	AWARD: Contract - Divergence Measurement																																																											
XT_51142	Vendor Fab/Ship - Divergence Measurement	60	02/20/07	05/14/07	Vendor Fab/Ship - Divergence Measurement																																																											
XT_51152	RECV: Material - Divergence Measurement	0		05/14/07	RECV: Material - Divergence Measurement																																																											
XT_5557	Assemble - Divergence Measurement	40	05/15/07	07/11/07	Assemble - Divergence Measurement																																																											
XT_5567	Ship to SLAC-Divergence Measurement	5	07/12/07	07/18/07	Ship to SLAC-Divergence Measurement																																																											
XT_5577	Unpack and Assemble at SLAC-Divergence Measureme	10	07/19/07	08/01/07	Unpack and Assemble at SLAC-Divergence Measureme																																																											
XT_5587	AVAIL: Divergence Measurement	0		08/01/07	AVAIL: Divergence Measurement																																																											
XT_5607	REQD: Near Hall Beneficial Occup-Divergence Meas	0		08/01/07	REQD: Near Hall Beneficial Occup-Divergence Meas																																																											



Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.05.06 X-Ray Transport System Installation &amp; Alignment</b>																																																																
<b>1.05.06.01 Front End Enclosure Install</b>																																																																
XT_810	Install - Slit/Collimator A	40	09/15/06	11/09/06																																																	Install - Slit/Collimator A											
XT_4005	Leak Check - Slit/Collimator A	30	11/10/06	12/26/06																																																	Leak Check - Slit/Collimator A											
XT_800	Test Beam Line - Slit/Collimator A	30	12/27/06	02/08/07																																																	Test Beam Line - Slit/Collimator A											
XT_655	REQD: FEE Beneficial Occupancy	0		04/12/07																																																	REQD: FEE Beneficial Occupancy											
XT_820	Fab/Assemble/Test - Const \$ - Slit/Col	100	04/13/07	09/04/07																																																	Fab/Assemble/Test - Const \$ - Slit/Col											
XT_1111	Install - Fixed Mask 1	20	04/16/07	05/11/07																																																	Install - Fixed Mask 1											
XT_1136	Install - Fixed Mask 2	20	04/16/07	05/11/07																																																	Install - Fixed Mask 2											
XT_1154	Install - Fixed Mask 3	20	04/16/07	05/11/07																																																	Install - Fixed Mask 3											
XT_0121	Install FEE - Slow Controls	40	04/16/07	06/11/07																																																	Install FEE - Slow Controls											
XT_502	Install - Solid Attenuator	40	04/16/07	06/11/07																																																	Install - Solid Attenuator											
XT_7034	Install - Slit/Collimator B	40	04/16/07	06/11/07																																																	Install - Slit/Collimator B											
XT_105	Install Ion Gauges - Electron Dump Mech/Vac	5	04/20/07	04/26/07																																																	Install Ion Gauges - Electron Dump Mech/Vac											
XT_115	Install Stands - Electron Dump Mech/Vac	5	04/20/07	04/26/07																																																	Install Stands - Electron Dump Mech/Vac											
XT_125	Install Ion Pumps - Electron Dump Mech/Vac	5	04/20/07	04/26/07																																																	Install Ion Pumps - Electron Dump Mech/Vac											
XT_95	Install Vacuum Pipe - Electron Dump Mech/Vac	5	04/20/07	04/26/07																																																	Install Vacuum Pipe - Electron Dump Mech/Vac											
XT_96	Test Pipe - Electron Dump Mech/Vac	10	04/27/07	05/10/07																																																	Test Pipe - Electron Dump Mech/Vac											
XT_2111	Install Berilium Valves - FEE Mech/Vac	5	05/14/07	05/18/07																																																	Install Berilium Valves - FEE Mech/Vac											
XT_2112	Install Isolation Valve - FEE Mech/Vac	5	05/14/07	05/18/07																																																	Install Isolation Valve - FEE Mech/Vac											
XT_2113	Install Ion Pumps - FEE Mech/Vac	5	05/14/07	05/18/07																																																	Install Ion Pumps - FEE Mech/Vac											
XT_2115	Install Ion Gauges - FEE Mech/Vac	5	05/14/07	05/18/07																																																	Install Ion Gauges - FEE Mech/Vac											
XT_2116	Install Spools - FEE Mech/Vac	5	05/14/07	05/18/07																																																	Install Spools - FEE Mech/Vac											
XT_2118	Install Stands - FEE Mech/Vac	5	05/14/07	05/18/07																																																	Install Stands - FEE Mech/Vac											
XT_5	Install Isolation Valve - FEE Mech/Vac	5	05/14/07	05/18/07																																																	Install Isolation Valve - FEE Mech/Vac											
XT_1110	Test - Fixed Mask 1	60	05/14/07	08/07/07																																																	Test - Fixed Mask 1											
XT_1134	Test - Fixed Mask 2	60	05/14/07	08/07/07																																																	Test - Fixed Mask 2											

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.05.06.01 Front End Enclosure Install</b>																																																																
XT_1152	Test - Fixed Mask 3	60	05/14/07	08/07/07																																					Test - Fixed Mask 3																							
XT_6	Test - FEE Mech/Vac	60	05/21/07	08/14/07																																					Test - FEE Mech/Vac																							
XT_5002	Test - Solid Attenuator	20	06/12/07	07/10/07																																					Test - Solid Attenuator																							
XT_0122	Integrate FEE - Slow Controls	40	06/12/07	08/07/07																									Integrate FEE - Slow Controls																																			
XT_7035	Leak Check - Slit/Collimator B	60	06/12/07	09/05/07																									Leak Check - Slit/Collimator B																																			
XT_2010	Shipping / Install - Gas Attenuator	100	06/21/07	11/09/07																									Shipping / Install - Gas Attenuator																																			
XT_1004	Install - Ion Pumped Tank	60	07/03/07	09/26/07																									Install - Ion Pumped Tank																																			
XT_0155	Install FEE - Femto Controls	40	07/09/07	08/31/07																									Install FEE - Femto Controls																																			
XT_53	Install FEE - Fast Controls	40	07/09/07	08/31/07																									Install FEE - Fast Controls																																			
XT_281	Install - Wave Model	40	07/20/07	09/14/07																																					Install - Wave Model																							
XT_287	Install - Monte Carlo Model	40	07/20/07	09/14/07																									Install - Monte Carlo Model																																			
XT_5003	COMP: Solid Attenuator Installed & Commissioned	0		07/24/07													COMP: Solid Attenuator Installed & Commissioned																																															
XT_7823	Fab/Assemble/Test - Const \$ - Flipper Mirror	100	08/03/07	12/26/07																									Fab/Assemble/Test - Const \$ - Flipper Mirror																																			
XT_0117	Test FEE - Slow Controls	20	08/08/07	09/05/07																									Test FEE - Slow Controls																																			
XT_1109	Test - Beamline - Fixed Mask 1	20	08/08/07	09/05/07																									Test - Beamline - Fixed Mask 1																																			
XT_1135	Test - Beamline - Fixed Mask 2	20	08/08/07	09/05/07																									Test - Beamline - Fixed Mask 2																																			
XT_1153	Test - Beamline - Fixed Mask 3	20	08/08/07	09/05/07																									Test - Beamline - Fixed Mask 3																																			
MS3_XT040	COMP: Solid Attenuator Installed & Commissioned	0		08/31/07*													COMP: Solid Attenuator Installed & Commissioned																																															
XT_801	COMP: Slit/Collimator A	0		09/04/07																									COMP: Slit/Collimator A																																			
XT_0156	Integrate FEE - Femto Controls	40	09/04/07	10/29/07																									Integrate FEE - Femto Controls																																			
XT_54	Integrate FEE - Fast Controls	40	09/04/07	10/29/07																									Integrate FEE - Fast Controls																																			
XT_995	Install - FEE Diagnostic Tank	60	09/06/07	11/30/07																									Install - FEE Diagnostic Tank																																			
XT_7036	Test Beam Line - Slit/Collimator B	100	09/06/07	02/01/08																									Test Beam Line - Slit/Collimator B																																			
XT_7046	Fab/Assemble/Test - Const \$ - Slit/Col	100	09/06/07	02/01/08																									Fab/Assemble/Test - Const \$ - Slit/Col																																			
XT_2822	Test - Wave Model	20	09/17/07	10/12/07																																					Test - Wave Model																							
XT_288	Test - Monte Carlo Model	20	09/17/07	10/12/07																									Test - Monte Carlo Model																																			

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.05.06.01 Front End Enclosure Install</b>																																																																
XT_1005	Test - Ion Pumped Tank	20	09/27/07	10/24/07																																					Test - Ion Pumped Tank																							
XT_0147	Test FEE - Fast Controls	40	10/30/07	12/27/07																																					Test FEE - Fast Controls																							
XT_0158	Test FEE - Femto Controls	40	10/30/07	12/27/07																																					Test FEE - Femto Controls																							
XT_2011	Acceptance Test - Gas Attenuator	40	11/12/07	01/14/08																																					Acceptance Test - Gas Attenuator																							
XT_2012	Assemble - Beamline Test - Gas Attenuator	40	11/12/07	01/14/08																																					Assemble - Beamline Test - Gas Attenuator																							
XT_996	Test - FEE Diagnostic Tank	20	12/03/07	01/03/08																																					Test - FEE Diagnostic Tank																							
XT_2832	Commission - Wave Model	20	01/15/08	02/12/08																																					Commission - Wave Model																							
XT_348	Commission - Monte Carlo Model	20	01/15/08	02/12/08																																					Commission - Monte Carlo Model																							
XT_1006	COMP: Ion Pumped Tank	0		01/29/08																																					COMP: Ion Pumped Tank																							
XT_997	COMP: FEE Diagnostic Tank	0		01/29/08																																					COMP: FEE Diagnostic Tank																							
XT_0159	COMP: FEE Femto Controls	0		02/12/08																																					COMP: FEE Femto Controls																							
XT_1108	COMP: Fixed Mask 1 Installed & Commissioned	0		02/12/08																																					COMP: Fixed Mask 1 Installed & Commissioned																							
XT_1137	COMP: Fixed Mask 2	0		02/12/08																																					COMP: Fixed Mask 2																							
XT_114	COMP: FEE Fast Controls	0		02/12/08																																					COMP: FEE Fast Controls																							
XT_1155	COMP: Fixed Mask 3	0		02/12/08																																					COMP: Fixed Mask 3																							
XT_282	COMP: Wave Model	0		02/12/08																																					COMP: Wave Model																							
XT_289	COMP: Monte Carlo Model	0		02/12/08																																					COMP: Monte Carlo Model																							
XT_98	COMP: Electron Dump Mech/Vac Install & Commission	0		02/12/08																																					COMP: Electron Dump Mech/Vac Install & Commission																							
XT_7038	COMP: Slit/Collimator B Installed & Commission	0		05/27/08																																					COMP: Slit/Collimator B Installed & Commission																							
XT_2014	COMP: Gas Attenuator Installed & Commissioned	0		06/05/08																																					COMP: Gas Attenuator Installed & Commissioned																							
MS3_XT045	COMP: Gas Attenuator Installed & Commissioned	0		09/05/08*																																					COMP: Gas Attenuator Installed & Commissioned																							
<b>1.05.06.02 Near Hall Install</b>																																																																
XT_507	Install - Near Hall Optics Tank	60	10/03/06	12/28/06																																					Install - Near Hall Optics Tank																							
XT_0461	Install Ion Gauges - NH Mech/Vac - H1	5	10/31/06	11/06/06																																					Install Ion Gauges - NH Mech/Vac - H1																							
XT_0462	Install Spools - NH Mech/Vac - H1	5	10/31/06	11/06/06																																					Install Spools - NH Mech/Vac - H1																							
XT_0463	Install Stands - NH Mech/Vac - H1	5	10/31/06	11/06/06																																					Install Stands - NH Mech/Vac - H1																							

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.05.06.02 Near Hall Install</b>																																																																
XT_330	Install Isolation Valves - NH Mech/Vac - H1	5	10/31/06	11/06/06	Install Isolation Valves - NH Mech/Vac - H1																																																											
XT_340	Install Berilium Valves - NH Mech/Vac - H1	5	10/31/06	11/06/06	Install Berilium Valves - NH Mech/Vac - H1																																																											
XT_350	Install Vacuum Piping - NH Mech/Vac - H1	5	10/31/06	11/06/06	Install Vacuum Piping - NH Mech/Vac - H1																																																											
XT_360	Install Ion Pumps - NH Mech/Vac - H1	5	10/31/06	11/06/06	Install Ion Pumps - NH Mech/Vac - H1																																																											
XT_3666	Install Ion Gauges - NH Mech/Vac - H2	5	10/31/06	11/06/06	Install Ion Gauges - NH Mech/Vac - H2																																																											
XT_3668	Install Stands - NH Mech/Vac - H2	5	10/31/06	11/06/06																																					Install Stands - NH Mech/Vac - H2																							
XT_3669	Install Isolation Valves - NH Mech/Vac - H2	5	10/31/06	11/06/06	Install Isolation Valves - NH Mech/Vac - H2																																																											
XT_3670	Install Berilium Valves - NH Mech/Vac - H2	5	10/31/06	11/06/06	Install Berilium Valves - NH Mech/Vac - H2																																																											
XT_3671	Install Vacuum Piping - NH Mech/Vac - H2	5	10/31/06	11/06/06	Install Vacuum Piping - NH Mech/Vac - H2																																																											
XT_3672	Install Ion Pumps - NH Mech/Vac - H2	5	10/31/06	11/06/06	Install Ion Pumps - NH Mech/Vac - H2																																																											
XT_775	Install Vacuum Piping - NH Mech/Vac - H3	5	10/31/06	11/06/06	Install Vacuum Piping - NH Mech/Vac - H3																																																											
XT_785	Install Ion Pumps - NH Mech/Vac - H3	5	10/31/06	11/06/06	Install Ion Pumps - NH Mech/Vac - H3																																																											
XT_805	Install Ion Gauges - NH Mech/Vac - H3	5	10/31/06	11/06/06	Install Ion Gauges - NH Mech/Vac - H3																																																											
XT_815	Install Stands - NH Mech/Vac - H3	5	10/31/06	11/06/06																																					Install Stands - NH Mech/Vac - H3																							
XT_660	Test - Near Hall Mech/Vac - H1	10	11/07/06	11/20/06																																					Test - Near Hall Mech/Vac - H1																							
XT_676	Test - Near Hall Mech/Vac - H2	10	11/07/06	11/20/06																																					Test - Near Hall Mech/Vac - H2																							
XT_776	Test - Near Hall Mech/Vac - H3	10	11/07/06	11/20/06																																					Test - Near Hall Mech/Vac - H3																							
XT_677	Commission - Near Hall Mech/Vac - H2	20	11/21/06	12/20/06	Commission - Near Hall Mech/Vac - H2																																																											
XT_680	Commission - Near Hall Mech/Vac - H1	20	11/21/06	12/20/06	Commission - Near Hall Mech/Vac - H1																																																											
XT_777	Commission - Near Hall Mech/Vac - H3	20	11/21/06	12/20/06	Commission - Near Hall Mech/Vac - H3																																																											
XT_678	COMP: Near Hall Mech/Vac - H2	1	12/21/06	12/21/06																																					COMP: Near Hall Mech/Vac - H2																							
XT_730	COMP: Near Hall Mech/Vac - H1	1	12/21/06	12/21/06																																					COMP: Near Hall Mech/Vac - H1																							
XT_778	COMP: Near Hall Mech/Vac - H3	1	12/21/06	12/21/06																																					COMP: Near Hall Mech/Vac - H3																							
XT_508	Integrate & Test - Near Hall Optics Tank	10	12/29/06	01/12/07	Integrate & Test - Near Hall Optics Tank																																																											
XT_568	Commission - Near Hall Optics Tank	10	01/16/07	01/29/07	Commission - Near Hall Optics Tank																																																											
XT_509	COMP: Near Hall Optics Tank Install at SLAC	0		01/29/07	COMP: Near Hall Optics Tank Install at SLAC																																																											

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.05.06.02 Near Hall Install</b>																																																																
XT_415	Install - Comm Diagnostic Tank	40	01/29/07	03/26/07																									Install - Comm Diagnostic Tank																																			
XT_0128	Install Near Hall - Slow Controls	40	03/15/07	05/09/07																									Install Near Hall - Slow Control																																			
XT_416	Test - Comm Diagnostic Tank	20	03/27/07	04/23/07																									Test - Comm Diagnostic Tank																																			
XT_0129	Integrate Near Hall - Slow Controls	40	05/10/07	07/06/07																									Integrate Near Hall - Slow Control																																			
XT_417	COMP: Comm Diagnostic Tank Installed & Commissi	0		05/21/07																									COMP: Comm Diagnostic Tank Installed & Commissi																																			
XT_695	Install - Indirect Imager	60	06/01/07	08/24/07																									Install - Indirect Image																																			
XT_489	Install - Spatial Coherence	40	06/13/07	08/08/07																									Install - Spatial Coherenc																																			
XT_0130	Test Near Hall - Slow Controls	20	07/09/07	08/03/07																									Test Near Hall - Slow Control																																			
XT_5004	Install - Divergence Measurement	40	08/02/07	09/27/07																									Install - Divergence Measurem																																			
XT_4991	Test - Spatial Coherence	20	08/09/07	09/06/07																									Test - Spatial Coherenc																																			
XT_4433	Visible Calibration - Direct Imager	5	08/27/07	08/31/07																									Visible Calibration - Direct Imager																																			
XT_4435	X-Ray Calibration - Direct Imager	10	09/04/07	09/17/07																									X-Ray Calibration - Direct Image																																			
XT_696	Test - Indirect Imager	20	09/18/07	10/15/07																									Test - Indirect Image																																			
XT_5005	Test - Divergence Measurement	20	09/28/07	10/25/07																									Test - Divergence Measurem																																			
XT_4997	Install - Spatial Shape & Centroid Measure	100	09/28/07	02/26/08																									Install - Spatial Shape & Centroid Measur																																			
XT_697	COMP: Indirect Imager Installed & Commissioned	0		10/29/07																									COMP: Indirect Imager Installed & Commissione																																			
XT_5006	COMP: Divergence Measurement	0		11/08/07																									COMP: Divergence Measuremen																																			
XT_4992	COMP: Spatial Coherence	0		01/29/08																									COMP: Spatial Coherence																																			
XT_4998	Test - Spatial Shape & Centroid Measure	20	02/27/08	03/25/08																									Test - Spatial Shape & Centroid Measur																																			
XT_4999	COMP: Spatial Shape & Centroid Measurement	0		04/22/08																									COMP: Spatial Shape & Centroid Measur																																			
<b>1.05.06.03 Tunnel Install</b>																																																																
XT_556	Install Isolation Valve - Tunnel Mech/Vac	80	08/30/07	12/24/07																									Install Isolation Valve - Tunnel Mech/Va																																			
XT_626	Install Vacuum Piping - Tunnel Mech/Vac	80	08/30/07	12/24/07																									Install Vacuum Piping - Tunnel Mech/Va																																			
XT_636	Install Ion Pumps - Tunnel Mech/Vac	80	08/30/07	12/24/07																									Install Ion Pumps - Tunnel Mech/Va																																			
XT_646	Install Ion Gauges - Tunnel Mech/Vac	80	08/30/07	12/24/07																									Install Ion Gauges - Tunnel Mech/Va																																			
XT_647	Install Stands - Tunnel Mech/Vac	80	08/30/07	12/24/07																									Install Stands - Tunnel Mech/Va																																			

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04																FY05																FY06																FY07																FY08															
<b>1.05.06.03 Tunnel Install</b>																																																																																				
XT_656	Install Spools - Tunnel Mech/Vac	80	08/30/07	12/24/07																																	Install Spools - Tunnel Mech/Vac																																															
XT_557	Test - Tunnel Mech/Vac	40	12/26/07	02/26/08																																	Test - Tunnel Mech/Vac																																															
XT_559	COMP: Tunnel Mech/Vac Installed & Commiss	0		03/25/08																																	COMP: Tunnel Mech/Vac Installed & Commiss																																															
MS3_XT050	COMP: Tunnel Mech/Vac Installed & Commiss	0		05/30/08*																																	COMP: Tunnel Mech/Vac Installed & Commiss																																															
<b>1.05.06.04 Far Hall Install</b>																																																																																				
XT_595	Install - Direct Imager	100	05/23/07	10/12/07																																	Install - Direct Image																																															
XT_0134	Install Far Hall - Slow Controls	40	08/03/07	09/28/07																																	Install Far Hall - Slow Controls																																															
XT_7820	Install - Flipper Mirror	40	08/03/07	09/28/07																																	Install - Flipper Mirror																																															
XT_1167	Install Ion Gauges - Far Hall Mech/Vac - H3	5	08/10/07	08/16/07																																	Install Ion Gauges - Far Hall Mech/Vac - H3																																															
XT_1168	Install Stands - Far Hall Mech/Vac - H3	5	08/10/07	08/16/07																																	Install Stands - Far Hall Mech/Vac - H3																																															
XT_82	Install Ion Pumps - Far Hall Mech/Vac - H3	5	08/10/07	08/16/07																																	Install Ion Pumps - Far Hall Mech/Vac - H3																																															
XT_1022	Install Isolation Valve - Far Hall Mech/Vac - H2	5	08/31/07	09/07/07																																	Install Isolation Valve - Far Hall Mech/Vac - H2																																															
XT_1023	Install Berilium Valve - Far Hall Mech/Vac - H2	5	08/31/07	09/07/07																																	Install Berilium Valve - Far Hall Mech/Vac - H2																																															
XT_1024	Install Ion Gauges - Far Hall Mech/Vac - H2	5	08/31/07	09/07/07																																	Install Ion Gauges - Far Hall Mech/Vac - H2																																															
XT_1025	Install Stands - Far Hall Mech/Vac - H2	5	08/31/07	09/07/07																																	Install Stands - Far Hall Mech/Vac - H2																																															
XT_1202	Install Vacuum Piping - Far Hall Mech/Vac - H2	5	08/31/07	09/07/07																																	Install Vacuum Piping - Far Hall Mech/Vac - H2																																															
XT_26	Install Vacuum Piping - Far Hall Mech/Vac	5	08/31/07	09/07/07																																	Install Vacuum Piping - Far Hall Mech/Vac																																															
XT_29	Install Ion Pumps - Far Hall Mech/Vac	5	08/31/07	09/07/07																																	Install Ion Pumps - Far Hall Mech/Vac																																															
XT_30	Install Ion Gauges - Far Hall Mech/Vac	5	08/31/07	09/07/07																																	Install Ion Gauges - Far Hall Mech/Vac																																															
XT_41	Install Spools - Far Hall Mech/Vac	5	08/31/07	09/07/07																																	Install Spools - Far Hall Mech/Vac																																															
XT_42	Install Stands - Far Hall Mech/Vac	5	08/31/07	09/07/07																																	Install Stands - Far Hall Mech/Vac																																															
XT_666	Install Isolation Valve - Far Hall Mech/Vac	5	08/31/07	09/07/07																																	Install Isolation Valve - Far Hall Mech/Vac																																															
XT_74	Install Ion Pumps - Far Hall Mech/Vac - H2	5	08/31/07	09/07/07																																	Install Ion Pumps - Far Hall Mech/Vac - H2																																															
XT_667	Test - Far Hall Mech/Vac - H1	10	09/10/07	09/21/07																																	Test - Far Hall Mech/Vac - H1																																															
XT_75	Test - Far Hall Mech/Vac - H2	10	09/10/07	09/21/07																																	Test - Far Hall Mech/Vac - H2																																															
XT_7821	Leak Check - Flipper Mirror	20	10/01/07	10/26/07																																	Leak Check - Flipper Mirror																																															

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.05.06.04 Far Hall Install</b>																																																																
XT_0135	Integrate Far Hall - Slow Controls	40	10/01/07	11/27/07																									Integrate Far Hall - Slow Control																																			
XT_669	COMP: Far Hall Mech/Vac - H1 Installed & Commis	0		10/05/07													COMP: Far Hall Mech/Vac - H1 Installed & Commi																																															
XT_77	COMP: Far Hall Mech/Vac - H2	0		10/05/07																									COMP: Far Hall Mech/Vac - H2																																			
XT_1166	Install Vacuum Piping - Far Hall Mech/Vac - H3	5	10/15/07	10/19/07																									Install Vacuum Piping - Far Hall Mech/Vac - H3																																			
XT_635	Visible Calibration - Direct Imager	5	10/15/07	10/19/07																									Visible Calibration - Direct Imager																																			
XT_645	X-Ray Calibration - Direct Imager	5	10/22/07	10/26/07																									X-Ray Calibration - Direct Imager																																			
XT_83	Test - Far Hall Mech/Vac - H3	10	10/22/07	11/02/07																									Test - Far Hall Mech/Vac - H3																																			
XT_452	Install - Total Energy Measurement	100	10/26/07	03/25/08																									Install - Total Energy Measurement																																			
XT_596	Test - Direct Imager	20	10/29/07	11/27/07																									Test - Direct Imager																																			
XT_7822	Test Beam Line - Flipper Mirror	20	10/29/07	11/27/07																									Test Beam Line - Flipper Mirror																																			
XT_482	Install - Spectral Measurement	40	11/09/07	01/11/08																									Install - Spectral Measurement																																			
XT_85	COMP: Far Hall Mech/Vac - H3 Installed & Commi	0		11/16/07													COMP: Far Hall Mech/Vac - H3 Installed & Commi																																															
XT_273	Install - System Monochrometer	40	11/16/07	01/18/08																									Install - System Monochromete																																			
XT_0136	Test Far Hall - Slow Controls	20	11/28/07	12/26/07																									Test Far Hall - Slow Control																																			
XT_597	COMP: Direct Imager	0		12/11/07																									COMP: Direct Imager																																			
XT_0112	COMP: Controls System Tests Complete	0		12/26/07													COMP: Controls System Tests Complet																																															
XT_266	Install - Pulse Split & Delay	120	12/26/07	06/18/08																									Install - Pulse Split & Delay																																			
XT_483	Test - Spectral Measurement	20	01/14/08	02/11/08																									Test - Spectral Measurement																																			
XT_274	Test - Pulse System Monochrometer	20	01/22/08	02/19/08																									Test - Pulse System Monochromete																																			
XT_484	COMP: Spectral Measurement	0		02/26/08																									COMP: Spectral Measurement																																			
MS3_XT055	COMP: Controls System Tests Complete	0		02/29/08*													COMP: Controls System Tests Complet																																															
XT_275	COMP: System Monochrometer Install & Commission	0		03/04/08													COMP: System Monochrometer Install & Commissio																																															
XT_7825	COMP: Flipper Mirror	0		03/26/08																									COMP: Flipper Mirror																																			
XT_423	Test - Total Energy Measurement	20	03/26/08	04/22/08																									Test - Total Energy Measurement																																			
XT_424	COMP: Total Energy Measurement Installed & Com	0		05/06/08													COMP: Total Energy Measurement Installed & Cor																																															
XT_267	Test - Pulse Split & Delay	20	06/19/08	07/17/08																									Test - Pulse Split & Delay																																			

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.05.06.04 Far Hall Install</b>																																																																
XT_268	COMP: Pulse Split & Delay	0		07/31/08																																																	COMP: Pulse Split & Delay											
MS3_XT060	COMP: Total Energy Measurement Installed & Com	0		09/16/08*																																																	COMP: Total Energy Measurement Installed & Com											
<b>1.06 X-RAY END STATION SYSTEMS</b>																																																																
MS3_XE090	First Atomic Physics Experiment	0		07/16/07*																																																	First Atomic Physics Experiment											
MSB_205	PPS Sys Ops for 3 Hutches in NEH Completed	0		09/28/07*																																																	PPS Sys Ops for 3 Hutches in NEH Complete											
MSB_210	PPS Sys Ops for 3 Hutches in FEH Completed	0		12/27/07*																																																	PPS Sys Ops for 3 Hutches in FEH Complete											
MSB_175	Start XTOD Commissioning	0	06/30/08*																																																		Start XTOD Commissioning											
<b>1.06.01 System Management &amp; Integration</b>																																																																
XE_0111	Establish WBS	5	08/01/03A	09/12/03A																																																												
XE_0101	Define Requirements	100	08/01/03A	01/29/04A																																																												
XE_0121	MANAGEMENT	1,294	08/01/03A	09/30/08																																																												
XE_0112	Management & Oversight - 1	90	10/01/03A	03/31/04A	Management & Oversight - 1																																																											
XE_0102	Develop Detail Schedule	120	11/03/03A	01/22/04A																																																												
XE_0122	Resource Load Schedule	10	11/17/03A	12/02/03A																																																												
MS3_XE000	TDR Completed	0		12/02/03A																																																												
XE_M01	Conduct TDR	0		12/02/03A																																																												
XE_0142	Assign Risk Level	5	01/05/04A	01/23/04A																																																												
XE_M02	Prep form, Offer, Hire/Train- Elect Engineer	0		01/05/04A																																																												
XE_0162	COMP: Detailed Schedule	0		01/23/04A																																																												
XE_M06	Form Atomic Physics Advisory Group	0		02/05/04A																																																												
XE_0152	Project Office Review Detail Schedule	5	02/26/04A	03/01/04A																																																												
XE_0182	COMP: Schedule Approved by Project Office	0		03/01/04A	COMP: Schedule Approved by Project Office																																																											
XE_M05	Form Detector Working Group	0		03/12/04A	Form Detector Working Group																																																											
XE_0192	Prepare for EIR Review	20	04/01/04A	06/02/04	Prepare for EIR Review																																																											
XE_0132	Prepare Basis of Estimate	60	04/01/04A	07/13/04	Prepare Basis of Estimate																																																											
MS3_XE005	Complete Detailed Schedule	0		05/28/04*	Complete Detailed Schedule																																																											



Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.06.01 System Management &amp; Integration</b>																																																																
XE_0131	COMP: Requirements Defined	0		05/28/04	◆ COMP: Requirements Defined																																																											
XE_M03	Complete Detailed Schedule	0		05/28/04	◆ Complete Detailed Schedule																																																											
XE_M10	Publish Specification for Experimental Grps	0		05/28/04	◆ Publish Specification for Experimental Grps																																																											
XE_0222	EIR Review	5	06/03/04	06/09/04	◆ EIR Review																																																											
XE_MS2004	FY-04 Resource Available	0		07/01/04*	◆ FY-04 Resource Available																																																											
XE_0422	Prep form, Offer, Hire/Train- Detector Engineer	90	07/02/04	11/08/04	◆ Prep form, Offer, Hire/Train- Detector Engineer																																																											
XE_0252	End FY-04	0		07/13/04	◆ End FY-04																																																											
XE_M04	Setup Coordination Process with XTOD	0		07/13/04	◆ Setup Coordination Process with XTOD																																																											
XE_0432	Prep form, Offer, Hire - Atomic Physic Engineer	80	10/04/04	01/31/05	◆ Prep form, Offer, Hire - Atomic Physic Engineer																																																											
XE_M09	Hire Detector Physicist	0		11/08/04	◆ Hire Detector Physicist																																																											
XE_M12	Hire Atomic Physicist	0		01/31/05	◆ Hire Atomic Physicist																																																											
XE_MS2005	FY-05 Resource Available	0		07/01/05*	◆ FY-05 Resource Available																																																											
XE_0232	Prep form, Offer, Hire/Train - Controls Engineer	90	07/05/05	11/08/05	◆ Prep form, Offer, Hire/Train - Controls Engineer																																																											
XE_0412	Prep form, Offer, Hire/Train - Laser Scientist	90	10/03/05	02/10/06	◆ Prep form, Offer, Hire/Train - Laser Scientist																																																											
XE_0492	Prep form, Offer, Hire/Train - PPS Engineer	90	10/03/05	02/10/06	◆ Prep form, Offer, Hire/Train - PPS Engineer																																																											
XE_0402	Prep form, Offer, Hire/Train - Mech/Vac Engineer	100	10/03/05	02/27/06	◆ Prep form, Offer, Hire/Train - Mech/Vac Engineer																																																											
XE_M13	Hire Controls Engineer	0		11/08/05	◆ Hire Controls Engineer																																																											
XE_M15	Hire Laser Scientist	0		02/10/06	◆ Hire Laser Scientist																																																											
XE_M16	Hire Mechanical/Vacuum Engineer	0		02/27/06	◆ Hire Mechanical/Vacuum Engineer																																																											
XE_0372	REQD: Near Hall BO	1	10/02/06	10/02/06																																					◆ REQD: Near Hall BO																							
XE_0362	REQD: FEE BO	1	04/13/07	04/13/07																																					◆ REQD: FEE BO																							
XE_0392	REQD: Tunnel BO	1	07/03/07	07/03/07																																					◆ REQD: Tunnel BO																							
XE_0382	REQD: Far Hall BO	1	08/02/07	08/02/07																																					◆ REQD: Far Hall BO																							
XE_4457	End Stations Commissioning Complete	0		08/01/08																																					◆ End Stations Commissioning Complete																							
XE_30	COMP: End Stations Project	0		09/22/08																																					◆ COMP: End Stations Project																							
XE_LOE	XE LOE Complete	0		09/30/08																																					◆ XE LOE Complete																							

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.06.01.01 Management</b>																																																																
XE_0172	Management & Oversight - 2	128*	04/01/04A	09/30/04	Management & Oversight - 2																																																											
XE_0242		1	06/01/04	06/01/04																																																												
XE_0302	Travel FY-04	86*	06/01/04	09/30/04	Travel FY-04																																																											
XE_01722	Management & Oversight - 3	251	10/01/04	09/30/05	Management & Oversight - 3																																																											
XE_0452	Travel FY-05	251	10/01/04	09/30/05	Travel FY-05																																																											
XE_0462	Travel FY-06	251	10/03/05	09/29/06	Travel FY-06																																																											
XE_033	Management & Oversight - 4	753	10/03/05	09/30/08	Management & Oversight - 4																																																											
XE_0472	Travel FY-07	251	10/02/06	09/28/07	Travel FY-07																																																											
XE_0482	Travel FY-08	251	10/01/07	09/30/08	Travel FY-08																																																											
<b>1.06.02 Controls Subsystem</b>																																																																
<b>1.06.02.01 Cabling</b>																																																																
<b>1.06.02.01.01 Front End Enclosure Cable</b>																																																																
XE_0201	Specification FEE - Cabling	20	11/28/06	12/26/06	Specification FEE - Cabling																																																											
XE_0211	FEE CABLING	95	11/28/06	04/13/07	FEE CABLING																																																											
XE_0202	Design FEE - Cabling	20	12/27/06	01/25/07	Design FEE - Cabling																																																											
XE_158	Prepare Bid Pkg FEE Racks & Panels - Cabling	10	01/26/07	02/08/07	Prepare Bid Pkg FEE Racks & Panels - Cabling																																																											
XE_168	Prepare Bid Pkg FEE Cable & Cable Tray - Cabling	10	01/26/07	02/08/07	Prepare Bid Pkg FEE Cable & Cable Tray - Cabling																																																											
XE_121	Bid Process FEE Cable & Cable Tray - Cabling	20	02/09/07	03/09/07	Bid Process FEE Cable & Cable Tray - Cabling																																																											
XE_154	Bid Process FEE Racks & Panels - Cabling	20	02/09/07	03/09/07	Bid Process FEE Racks & Panels - Cabling																																																											
XE_131	AWARD: Contract FEE Cable & Cable Tray - Cabling	1	03/12/07	03/12/07	AWARD: Contract FEE Cable & Cable Tray - Cabling																																																											
XE_155	AWARD: Contract FEE Racks & Panels - Cabling	1	03/12/07	03/12/07	AWARD: Contract FEE Racks & Panels - Cabling																																																											
XE_141	Vendor Fab/Ship FEE Cable & Cable Tray - Cabling	20	03/13/07	04/09/07	Vendor Fab/Ship FEE Cable & Cable Tray - Cabling																																																											
XE_156	Vendor Fab/Ship FEE Racks & Panels - Cabling	20	03/13/07	04/09/07	Vendor Fab/Ship FEE Racks & Panels - Cabling																																																											
XE_151	RECV: FEE Cable & Cable Tray - Cabling	0		04/09/07	RECV: FEE Cable & Cable Tray - Cabling																																																											
XE_157	RECV: FEE Racks & Panels - Cabling	0		04/09/07	RECV: FEE Racks & Panels - Cabling																																																											
XE_177	AVAIL: FEE Cabling	0		04/09/07	AVAIL: FEE Cabling																																																											
XE_167	REQD: FEE Beneficial Occupancy	0		04/13/07	REQD: FEE Beneficial Occupancy																																																											

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.06.02.01.02 Near Hall Cable</b>																																																																
XE_0272	Specification Near Hall - Cabling	20	11/28/06	12/26/06																																					■ Specification Near Hall - Cabling																							
XE_0332	NEAR HALL CABLING	91	11/28/06	04/09/07																																					■ NEAR HALL CABLING																							
XE_0292	Design Near Hall - Cabling	20	12/27/06	01/25/07																																					■ Design Near Hall - Cabling																							
XE_2519	Prepare Bid Pkg NH Racks & Panels - Cabling	10	01/26/07	02/08/07																																					■ Prepare Bid Pkg NH Racks & Panels - Cabling																							
XE_2520	Prepare Bid Pkg NH Cable & Cable Tray - Cabling	10	01/26/07	02/08/07																																					■ Prepare Bid Pkg NH Cable & Cable Tray - Cabling																							
XE_2521	Bid Process NH Cable & Cable Tray - Cabling	20	02/09/07	03/09/07																																					■ Bid Process NH Cable & Cable Tray - Cabling																							
XE_2522	Bid Process NH Racks & Panels - Cabling	20	02/09/07	03/09/07																																					■ Bid Process NH Racks & Panels - Cabling																							
XE_2523	AWARD: Contract NH Cable & Cable Tray - Cabling	1	03/12/07	03/12/07																																					■ AWARD: Contract NH Cable & Cable Tray - Cabling																							
XE_2524	AWARD: Contract NH Racks & Panels - Cabling	1	03/12/07	03/12/07																																					■ AWARD: Contract NH Racks & Panels - Cabling																							
XE_2525	Vendor Fab/Ship NH Cable & Cable Tray - Cabling	20	03/13/07	04/09/07																																					■ Vendor Fab/Ship NH Cable & Cable Tray - Cabling																							
XE_2526	Vendor Fab/Ship NH Racks & Panels - Cabling	20	03/13/07	04/09/07																																					■ Vendor Fab/Ship NH Racks & Panels - Cabling																							
XE_2527	RECV: NH Cable & Cable Tray - Cabling	0		04/09/07																																					◆ RECV: NH Cable & Cable Tray - Cabling																							
XE_2528	RECV: NH Racks & Panels - Cabling	0		04/09/07																																					◆ RECV: NH Racks & Panels - Cabling																							
XE_2538	REQD: Near Hall Beneficial Occupancy	0		04/09/07																																					◆ REQD: Near Hall Beneficial Occupancy																							
XE_2548	AVAIL: Near Hall Cabling	0		04/09/07																																					◆ AVAIL: Near Hall Cabling																							
<b>1.06.02.01.03 Tunnel Cable</b>																																																																
XE_0212	Specification Tunnel - Cabling	20	11/28/06	12/26/06																																					■ Specification Tunnel - Cabling																							
XE_0342	TUNNEL CABLING	151	11/28/06	07/03/07																																					■ TUNNEL CABLING																							
XE_0282	Design Tunnel - Cabling	20	12/27/06	01/25/07																																					■ Design Tunnel - Cabling																							
XE_2501	Prepare Bid Pkg Tunnel Cable/Cable Tray - Cabling	10	01/26/07	02/08/07																																					■ Prepare Bid Pkg Tunnel Cable/Cable Tray - Cabling																							
XE_2502	Bid Process Tunnel Cable & Cable Tray - Cabling	20	02/09/07	03/09/07																																					■ Bid Process Tunnel Cable & Cable Tray - Cabling																							
XE_2504	AWARD: Contract Tunnel Cable/Cable Tray - Cabln	1	03/12/07	03/12/07																																					■ AWARD: Contract Tunnel Cable/Cable Tray - Cabln																							
XE_2506	Vendor Fab/Ship Tunnel Cable/Cable Tray - Cabling	20	03/13/07	04/09/07																																					■ Vendor Fab/Ship Tunnel Cable/Cable Tray - Cabling																							
XE_2508	RECV: Tunnel Cable & Cable Tray - Cabling	0		04/09/07																																					◆ RECV: Tunnel Cable & Cable Tray - Cabling																							
XE_2558	AVAIL: Tunnel Cabling	0		04/09/07																																					◆ AVAIL: Tunnel Cabling																							
XE_2518	REQD: Tunnel Beneficial Occupancy	0		07/03/07																																					◆ REQD: Tunnel Beneficial Occupancy																							

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.06.02.01.04 Far Hall Cable</b>																																																																
XE_0325	Specification Far Hall - Cabling	20	11/28/06	12/26/06																																																	■ Specification Far Hall - Cabling											
XE_0335	FAR HALL CABLING	172	11/28/06	08/02/07																																																	■ FAR HALL CABLING											
XE_0345	Design Far Hall - Cabling	20	12/27/06	01/25/07																																																	■ Design Far Hall - Cabling											
XE_153	COMP: Cabling Design	0		01/25/07																																																	◆ COMP: Cabling Design											
XE_2400	Prepare Bid Pkg Racks & Panels FH - Cabling	10	01/26/07	02/08/07																																																	■ Prepare Bid Pkg Racks & Panels FH - Cabling											
XE_2401	Prepare Bid Pkg Cable & Cable Tray FH - Cabling	10	01/26/07	02/08/07																																																	■ Prepare Bid Pkg Cable & Cable Tray FH - Cabling											
XE_2402	Bid Process Cable & Cable Tray FH - Cabling	20	02/09/07	03/09/07																																																	■ Bid Process Cable & Cable Tray FH - Cabling											
XE_2403	Bid Process Racks & Panels FH - Cabling	20	02/09/07	03/09/07																																																	■ Bid Process Racks & Panels FH - Cabling											
XE_2404	AWARD: Contract Cable & Cable Tray FH - Cabling	1	03/12/07	03/12/07																																																	■ AWARD: Contract Cable & Cable Tray FH - Cabling											
XE_2405	AWARD: Contract Racks & Panels FH - Cabling	1	03/12/07	03/12/07																																																	■ AWARD: Contract Racks & Panels FH - Cabling											
XE_2406	Vendor Fab/Ship Cable & Cable Tray FH - Cabling	20	03/13/07	04/09/07																																																	■ Vendor Fab/Ship Cable & Cable Tray FH - Cabling											
XE_2407	Vendor Fab/Ship Racks & Panels FH - Cabling	20	03/13/07	04/09/07																																																	■ Vendor Fab/Ship Racks & Panels FH - Cabling											
XE_2408	RECV: Cable & Cable Tray FH - Cabling	0		04/09/07																																																	◆ RECV: Cable & Cable Tray FH - Cabling											
XE_2409	RECV: Racks & Panels FH - Cabling	0		04/09/07																																																	◆ RECV: Racks & Panels FH - Cabling											
XE_2429	AVAIL: Far Hall Cabling	0		04/09/07																																																	◆ AVAIL: Far Hall Cabling											
XE_2419	REQD: Far Hall Beneficial Occupancy	0		08/02/07																																																	◆ REQD: Far Hall Beneficial Occupancy											
<b>1.06.02.02 Network</b>																																																																
XE_2200	Specification - Network	40	11/09/05	01/09/06																																																	■ Specification - Network											
XE_2250	NETWORK	435	11/09/05	08/02/07																																																	■ NETWORK											
XE_2201	Design FEE - Network	120	01/10/06	06/29/06																																																	■ Design FEE - Network											
XE_2202	Design Near Hall - Network	120	01/10/06	06/29/06																																																	■ Design Near Hall - Network											
XE_2205	Design Tunnel - Network	120	01/10/06	06/29/06																																																	■ Design Tunnel - Network											
XE_2208	Design Far Hall - Network	120	01/10/06	06/29/06																																																	■ Design Far Hall - Network											
XE_2213	COMP: Network Design	0		06/29/06																																																	◆ COMP: Network Design											
XE_M18	COMP: Network Design Review	0		06/29/06																																																	◆ COMP: Network Design Review											
MS3_XE010	COMP: Network Design Review	0		06/30/06*																																																	◆ COMP: Network Design Review											

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.06.02.02 Network</b>																																																																
XE_2230	Programming Near Hall - Network	80	06/30/06	10/23/06																																					■ Programming Near Hall - Network																							
XE_2235	Programming Tunnel - Network	80	06/30/06	10/23/06																																					■ Programming Tunnel - Network																							
XE_2238	Programming Far Hall - Network	80	06/30/06	10/23/06																																					■ Programming Far Hall - Network																							
XE_2247	Programming FEE - Network	80	06/30/06	10/23/06																																					■ Programming FEE - Network																							
XE_2203	Prepare Bid Pkg Electronics - Network	40	07/03/06	08/28/06																																					■ Prepare Bid Pkg Electronics - Network																							
XE_2206	Bid Process Electronics - Network	20	08/29/06	09/26/06																																					■ Bid Process Electronics - Network																							
XE_2209	AWARD: Contract Electronics - Network	1	09/27/06	09/27/06																																					AWARD: Contract Electronics - Network																							
XE_2211	Vendor Fab/Ship Electronics - Network	100	09/28/06	02/22/07																																					Vendor Fab/Ship Electronics - Network ■																							
XE_2223	COMP: CONTROLS DESIGN	0		11/27/06																																					◆ COMP: CONTROLS DESIGN																							
XE_2214	RECV: Electronics - Network	0		02/22/07																																					◆ RECV: Electronics - Network																							
XE_2216	REQD: FEE Beneficial Occupancy	0		02/22/07																																					REQD: FEE Beneficial Occupancy ◆																							
XE_2236	AVAIL: FEE Network	0		02/22/07																																					◆ AVAIL: FEE Network																							
XE_2240	REQD: Near Hall Beneficial Occupancy	0		05/03/07																																					REQD: Near Hall Beneficial Occupancy ◆																							
XE_2260	AVAIL: Near Hall Network	0		05/03/07																																					◆ AVAIL: Near Hall Network																							
XE_2244	COMP: Near Hall - Network	0		06/15/07																																					COMP: Near Hall - Network ◆																							
XE_2245	REQD: Tunnel Beneficial Occupancy	0		07/03/07																																					REQD: Tunnel Beneficial Occupancy ◆																							
XE_2285	AVAIL: Tunnel Network	0		07/03/07																																					AVAIL: Tunnel Network ◆																							
XE_2248	REQD: Far Hall Beneficial Occupancy	0		08/02/07																																					REQD: Far Hall Beneficial Occupancy ◆																							
XE_2298	AVAIL: Far Hall Network	0		08/02/07																																					AVAIL: Far Hall Network ◆																							
<b>1.06.02.03 PC Support</b>																																																																
XE_2255	Specification - PC Support	45	06/30/06	09/01/06																																					■ Specification - PC Support																							
XE_2275	PC SUPPORT	276	06/30/06	08/03/07																																					■ PC SUPPORT																							
XE_2257	Design Near Hall - PC Support	40	09/05/06	10/30/06																																					■ Design Near Hall - PC Support																							
XE_2277	Programming Near Hall - PC Support	80	09/12/06	01/05/07																																					Programming Near Hall - PC Support ■																							
XE_2263	Design Far Hall - PC Support	40	10/31/06	12/28/06																																					■ Design Far Hall - PC Support																							
XE_2287	Programming Far Hall - PC Support	80	11/07/06	03/06/07																																					Programming Far Hall - PC Support ■																							

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.06.02.03 PC Support</b>																																																																
XE_2268	COMP: Design PC Support	0		12/28/06																																					◆ COMP: Design PC Support																							
XE_2258	Prepare Bid Pkg Domain Server - PC Support	20	12/29/06	01/29/07													■ Prepare Bid Pkg Domain Server - PC Support																																															
XE_2259	Prepare Bid Pkg File Server - PC Support	20	12/29/06	01/29/07													■ Prepare Bid Pkg File Server - PC Support																																															
XE_2299	Prepare Bid Pkg PCs/Software/Printer - PC Spt	20	12/29/06	01/29/07													■ Prepare Bid Pkg PCs/Software/Printer - PC Sp																																															
XE_2261	Bid Process Domain Server - PC Support	20	01/30/07	02/27/07													■ Bid Process Domain Server - PC Support																																															
XE_2262	Bid Process File Server - PC Support	20	01/30/07	02/27/07													■ Bid Process File Server - PC Support																																															
XE_2302	Bid Process PCs/Software/Printer - PC Support	20	01/30/07	02/27/07													■ Bid Process PCs/Software/Printer - PC Support																																															
XE_2264	AWARD: Contract Domain Server - PC Support	1	02/28/07	02/28/07													■ AWARD: Contract Domain Server - PC Support																																															
XE_2265	AWARD: Contract File Server - PC Support	1	02/28/07	02/28/07													■ AWARD: Contract File Server - PC Support																																															
XE_2305	AWARD: Contract PCs/Software/Printer - PC Suppo	1	02/28/07	02/28/07													■ AWARD: Contract PCs/Software/Printer - PC Suppo																																															
XE_2266	Vendor Fab/Ship Domain Server - PC Support	60	03/01/07	05/23/07													■ Vendor Fab/Ship Domain Server - PC Support																																															
XE_2267	Vendor Fab/Ship File Server - PC Support	60	03/01/07	05/23/07													■ Vendor Fab/Ship File Server - PC Support																																															
XE_2297	Vendor Fab/Ship PCs/Software/Printer - PC Spt	60	03/01/07	05/23/07													■ Vendor Fab/Ship PCs/Software/Printer - PC Sp																																															
XE_2269	RECV: Domain Server - PC Support	0		05/23/07																																					◆ RECV: Domain Server - PC Support																							
XE_2270	RECV: File Server - PC Support	0		05/23/07																																					◆ RECV: File Server - PC Support																							
XE_2300	RECV: PCs/Software/Printer - PC Support	0		05/23/07																																					◆ RECV: PCs/Software/Printer - PC Support																							
XE_2317	REQD: Near Hall Ben Occ PC Support	0		05/23/07																																					◆ REQD: Near Hall Ben Occ PC Support																							
XE_2327	AVAIL: Far Hall PC Support	0		05/23/07																																					◆ AVAIL: Far Hall PC Support																							
XE_2337	AVAIL: Near Hall PC Support	0		05/23/07																																					◆ AVAIL: Near Hall PC Support																							
XE_2307	REQD: Far Hall Ben Occ PC Support	0		08/03/07																																					◆ REQD: Far Hall Ben Occ PC Support																							
<b>1.06.02.04 Beamline Controls</b>																																																																
XE_2600	Specification - Beamline Controls	120	11/09/05	05/03/06																																					■ Specification - Beamline Controls																							
XE_300	Specification High Perf Data Storage - Beam Cntl	120	11/09/05	05/03/06																																					■ Specification High Perf Data Storage - Beam																							
XE_2640	BEAMLIN CONTROL	435	11/09/05	08/02/07													■ BEAMLIN CONTROL																																															
XE_111	Design High Perf Data Storage - Beamline Control	20	05/04/06	06/01/06																																					■ Design High Perf Data Storage - Beamline C																							
XE_2601	Design Near Hall - Beamline Control	120	05/04/06	10/23/06																																					■ Design Near Hall - Beamline Control																							

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.06.02.04 Beamline Controls</b>																																																																
XE_2602	Design Far Hall - Beamline Control	120	05/04/06	10/23/06																																					Design Far Hall - Beamline Control																							
XE_2620	Programming Near Hall - Beamline Control	80	05/11/06	09/01/06																																					Programming Near Hall - Beamline Control																							
XE_2603	COMP: Design Beamline Control	0		10/23/06																																					COMP: Design Beamline Control																							
XE_M17	Start Programming Beamline Controls	0		10/23/06																																					Start Programming Beamline Controls																							
XE_M30	COMP: Final Design Review Beamline Control	0		10/23/06																																					COMP: Final Design Review Beamline Control																							
XE_2604	Prep Bid Pkg Rotate/Transl Stage- Beamline Cntrl	20	10/24/06	11/20/06																																					Prep Bid Pkg Rotate/Transl Stage- Beamline Control																							
XE_2605	Prepare Bid Pkg MC Software - Beamline Control	20	10/24/06	11/20/06																																					Prepare Bid Pkg MC Software - Beamline Control																							
XE_2606	Prep Bid Pkg MC Electronics - Beamline Control	20	10/24/06	11/20/06																																					Prep Bid Pkg MC Electronics - Beamline Control																							
MS3_XE015	COMP: Final Design Review Beamline Control	0		10/31/06*																																					COMP: Final Design Review Beamline Control																							
XE_301	Prepare Bid Pkg Data Storage - Beamline Control	5	11/01/06	11/07/06																																					Prepare Bid Pkg Data Storage - Beamline Control																							
XE_302	Bid Process Data Storage - Beamline Control	20	11/08/06	12/07/06																																					Bid Process Data Storage - Beamline Control																							
XE_2607	Bid Process Rotate/Transl Stage - Beamline Cntrl	20	11/21/06	12/20/06																																					Bid Process Rotate/Transl Stage - Beamline Control																							
XE_2608	Bid Process MC Software - Beamline Control	20	11/21/06	12/20/06																																					Bid Process MC Software - Beamline Control																							
XE_2609	Bid Process MC Electronics - Beamline Control	20	11/21/06	12/20/06																																					Bid Process MC Electronics - Beamline Control																							
XE_303	AWARD: Contract Data Storage - Beamline Ctrl - 1	1	12/08/06	12/08/06																																					AWARD: Contract Data Storage - Beamline Ctrl -1																							
XE_313	AWARD: Computer - Beamline Control	1	12/08/06	12/08/06																																					AWARD: Computer - Beamline Control																							
XE_3143	AWARD: Contract Data Storage - Beamline Ctrl - 2	1	12/08/06	12/08/06																																					AWARD: Contract Data Storage - Beamline Ctrl -2																							
XE_323	AWARD: Data Analysis - Beamline Control	1	12/08/06	12/08/06																																					AWARD: Data Analysis - Beamline Control																							
XE_333	AWARD: Web Server Computer - Beamline Control	1	12/08/06	12/08/06																																					AWARD: Web Server Computer - Beamline Control																							
XE_304	Vendor Fab/Ship Data Storage - Beamline Ctrl - 1	40	12/11/06	02/07/07																																					Vendor Fab/Ship Data Storage - Beamline Ctrl - 1																							
XE_314	Vendor Ship Computers	40	12/11/06	02/07/07																																					Vendor Ship Computers																							
XE_44	Vendor Fab/Ship Data Storage - Beamline Ctrl - 2	40	12/11/06	02/07/07																																					Vendor Fab/Ship Data Storage - Beamline Ctrl - 2																							
XE_2610	AWARD: Contract Rotate/Transl Stage - Beam Cntr	1	12/21/06	12/21/06																																					AWARD: Contract Rotate/Transl Stage - Beam Cntr																							
XE_2611	AWARD: Contract MC Software - Beamline Control	1	12/21/06	12/21/06																																					AWARD: Contract MC Software - Beamline Control																							
XE_2612	AWARD: Contract MC Electronics-Beamline Control	1	12/21/06	12/21/06																																					AWARD: Contract MC Electronics																							
XE_2613	Vendor Fab/Ship Rotate/Transl Stage - Beam Cntrl	60	12/22/06	03/21/07																																					Vendor Fab/Ship Rotate/Transl Stage - Beam Cntrl																							

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.06.02.04 Beamline Controls</b>																																																																
XE_2614	Vendor Fab/Ship MC Software - Beamline Control	60	12/22/06	03/21/07	Vendor Fab/Ship MC Software - Beamline Control																																																											
XE_2615	Vendor Fab/Ship MC Electronics - Beamline Cntrl	60	12/22/06	03/21/07	Vendor Fab/Ship MC Electronics - Beamline Cntrl																																																											
XE_305	RECV: High Perf Data Storage - Beamline Control	0		02/07/07	RECV: High Perf Data Storage - Beamline Control																																																											
XE_2616	RECV: Rotate/Translate Stages - Beamline Control	0		03/21/07	RECV: Rotate/Translate Stages - Beamline Control																																																											
XE_2617	RECV: MC Software - Beamline Control	0		03/21/07	RECV: MC Software - Beamline Control																																																											
XE_2618	RECV: MC Electronics - Beamline Control	0		03/21/07	RECV: MC Electronics - Beamline Control																																																											
XE_2619	REQD: Near Hall Beneficial Occupancy	0		03/21/07	REQD: Near Hall Beneficial Occupancy																																																											
XE_2639	AVAIL: Near Hall Beamline Control	0		03/21/07	AVAIL: Near Hall Beamline Control																																																											
XE_2646	AVAIL: Far Hall Beamline Control	0		03/21/07	AVAIL: Far Hall Beamline Control																																																											
XE_2626	REQD: Far Hall Beneficial Occupancy	0		08/02/07	REQD: Far Hall Beneficial Occupancy																																																											
<b>1.06.02.05 X-Ray PPS</b>																																																																
<b>1.06.02.05.01 FEE X-Ray PPS</b>																																																																
XE_81	Specification FEE - X-Ray PPS	20	02/13/06	03/13/06	Specification FEE - X-Ray PPS																																																											
XE_161	FEE PPS	295	02/13/06	04/13/07	FEE PPS																																																											
XE_80	Design FEE - PPS	40	03/14/06	05/08/06	Design FEE - PPS																																																											
XE_90	Safety Review FEE - PPS	40	05/09/06	07/05/06	Safety Review FEE - PPS																																																											
XE_91	COMP: FEE Design - X-Ray PPS	0		07/05/06	COMP: FEE Design - X-Ray PPS																																																											
XE_100	Prepare Bid Pkg FEE Alarms/Signs - PPS	10	07/06/06	07/19/06	Prepare Bid Pkg FEE Alarms/Signs - PPS																																																											
XE_112	Prep Bid Pkg FEE Beam Stop Hardware - X-Ray PPS	10	07/06/06	07/19/06	Prep Bid Pkg FEE Beam Stop Hardware - X-Ray PPS																																																											
XE_12	Prep Bid Pkg NH Beam Stop Hardware - X-Ray PPS	10	07/06/06	07/19/06	Prep Bid Pkg NH Beam Stop Hardware - X-Ray PPS																																																											
XE_120	Prepare Bid Pkg FEE Containment/Interlock - PPS	10	07/06/06	07/19/06	Prepare Bid Pkg FEE Containment/Interlock - PPS																																																											
XE_92	Prepare Bid Pkg FEE Detectors - PPS	10	07/06/06	07/19/06	Prepare Bid Pkg FEE Detectors - PPS																																																											
XE_101	Bid Process FEE Alarms/Signs - PPS	40	07/20/06	09/14/06	Bid Process FEE Alarms/Signs - PPS																																																											
XE_1250	Bid Process FEE Containment/Interlock - PPS	40	07/20/06	09/14/06	Bid Process FEE Containment/Interlock - PPS																																																											
XE_13	Bid Process NH Beam Stop Hardware - X-Ray PPS	40	07/20/06	09/14/06	Bid Process NH Beam Stop Hardware - X-Ray PPS																																																											
XE_222	Bid Process FEE Beam Stop Hardware - X-Ray PPS	40	07/20/06	09/14/06	Bid Process FEE Beam Stop Hardware - X-Ray PPS																																																											



Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04		FY05		FY06		FY07		FY08	
<b>1.06.02.05.01 FEE X-Ray PPS</b>														
XE_93	Bid Process FEE Detectors - PPS	40	07/20/06	09/14/06										■ Bid Process FEE Detectors - PPS
XE_102	AWARD: Contract FEE Alarms/Signs - PPS	1	09/15/06	09/15/06										■ AWARD: Contract FEE Alarms/Signs - PPS
XE_122	AWARD: Contract FEE Containment/Interlock - PPS	1	09/15/06	09/15/06										■ AWARD: Contract FEE Containment/In
XE_232	AWARD: FEE Beam Stop Hardware - X-Ray PPS	1	09/15/06	09/15/06										■ AWARD: FEE Beam Stop Hardware - X
XE_94	AWARD: Contract FEE Detectors - PPS	1	09/15/06	09/15/06										■ AWARD: Contract FEE Detectors - PPS
XE_103	Vendor Fab/Ship FEE Alarms/Signs - PPS	40	09/18/06	11/10/06										■ Vendor Fab/Ship FEE Alarms/Signs - PP
XE_182	Vendor Fab/Ship FEE Containment/Interlock - PPS	40	09/18/06	11/10/06										■ Vendor Fab/Ship FEE Containment/
XE_242	Vendor Fab/Ship FEE Beam Stop Hardware-X-Ray PPS	40	09/18/06	11/10/06										■ Vendor Fab/Ship FEE Beam Stop Ha
XE_95	Vendor Fab/Ship FEE Detectors - PPS	40	09/18/06	11/10/06										■ Vendor Fab/Ship FEE Detectors - PP
XE_104	RECV: FEE Alarms/Signs - PPS	0		11/10/06										◆ RECV: FEE Alarms/Signs - PPS
XE_116	AVAIL: FEE X-Ray PPS	0		11/10/06										◆ AVAIL: FEE X-Ray PPS
XE_184	RECV: FEE Containment/Interlock - PPS	0		11/10/06										◆ RECV: FEE Containment/Interlock - PPS
XE_212	RECV: FEE Beam Stop Hardware - X-Ray PPS	0		11/10/06										◆ RECV: FEE Beam Stop Hardware - X-Ray PPS
XE_96	RECV: FEE Detectors - PPS	0		11/10/06										◆ RECV: FEE Detectors - PPS
XE_132	Assemble FEE Beam Stop Hardware - X-Ray PPS	40	11/13/06	01/11/07										■ Assemble FEE Beam Stop Hardware - X-Ray PP
XE_106	REQD: FEE Ben Occ PPS	0		04/13/07										◆ REQD: FEE Ben Occ PPS
<b>1.06.02.05.02 Near Hall X-Ray PPS</b>														
XE_3000	Specification Near Hall - X-Ray PPS	20	02/13/06	03/13/06										■ Specification Near Hall - X-Ray PPS
XE_3030	NEAR HALL X-RAY PPS	231	02/13/06	01/11/07										■ NEAR HALL X-RAY PPS
XE_3001	Design Near Hall - X-Ray PPS	40	03/14/06	05/08/06										■ Design Near Hall - X-Ray PPS
XE_3031	Safety Review Near Hall - X-Ray PPS	40	05/09/06	07/05/06										■ Safety Review Near Hall - X-Ray PPS
XE_3002	COMP: Near Hall Design - X-Ray PPS	0		07/05/06										◆ COMP: Near Hall Design - X-Ray PPS
XE_M25	X-Ray PPS Final Design Review	0		07/05/06										◆ X-Ray PPS Final Design Review
XE_3003	Prepare Bid Pkg Near Hall Alarms/Signs-X-RayPPS	10	07/06/06	07/19/06										■ Prepare Bid Pkg Near Hall Alarms/Signs-X
XE_3004	Prep Bid Pkg NHall Contain/Interlock - X-Ray PPS	10	07/06/06	07/19/06										■ Prep Bid Pkg NHall Contain/Interlock - X-I
XE_3005	Prepare Near Hall Bid Pkg Detectors - X-Ray PPS	10	07/06/06	07/19/06										■ Prepare Near Hall Bid Pkg Detectors - X-F

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04		FY05		FY06		FY07		FY08	
<b>1.06.02.05.02 Near Hall X-Ray PPS</b>														
XE_3006	Bid Process Near Hall Alarms/Signs - X-Ray PPS	40	07/20/06	09/14/06										■ Bid Process Near Hall Alarms/Signs - X-Ray PPS
XE_3007	Bid Process NHall Containmnt/Interlock-X-Ray PPS	40	07/20/06	09/14/06										■ Bid Process NHall Containmnt/Interlock-X-Ray PPS
XE_3008	Bid Process Near Hall Detectors - X-Ray PPS	40	07/20/06	09/14/06										■ Bid Process Near Hall Detectors - X-Ray PPS
XE_14	AWARD: NH Beam Stop Hardware - X-Ray PPS	1	09/15/06	09/15/06										■ AWARD: NH Beam Stop Hardware - X-Ray PPS
XE_3009	AWARD: Contract Near Hall Alarms/Signs-X-Ray PPS	1	09/15/06	09/15/06										■ AWARD: Contract Near Hall Alarms/Signs-X-Ray PPS
XE_3010	AWARD: Contract NHall Contain/Interlock-X-Ray PP	1	09/15/06	09/15/06										■ AWARD: Contract NHall Contain/Interlock-X-Ray PP
XE_3011	AWARD: Contract Near Hall Detectors -X-Ray PPS	1	09/15/06	09/15/06										■ AWARD: Contract Near Hall Detectors -X-Ray PPS
XE_15	Vendor Fab/Ship NH Beam Stop Hardware-X-Ray PPS	40	09/18/06	11/10/06										■ Vendor Fab/Ship NH Beam Stop Hardware-X-Ray PPS
XE_3012	Vendor Fab/Ship Near Hall Alarms/Signs-X-Ray PPS	40	09/18/06	11/10/06										■ Vendor Fab/Ship Near Hall Alarms/Signs-X-Ray PPS
XE_3013	Vendor Fab/Ship NHall Contain/Interlock-X-RayPPS	40	09/18/06	11/10/06										■ Vendor Fab/Ship NHall Contain/Interlock-X-RayPPS
XE_3014	Vendor Fab/Ship Near Hall Detectors -X-Ray PPS	40	09/18/06	11/10/06										■ Vendor Fab/Ship Near Hall Detectors -X-Ray PPS
XE_16	RECV: NH Beam Stop Hardware - X-Ray PPS	0		11/10/06										◆ RECV: NH Beam Stop Hardware - X-Ray PPS
XE_3015	RECV: Near Hall Alarms/Signs - X-Ray PPS	0		11/10/06										◆ RECV: Near Hall Alarms/Signs - X-Ray PPS
XE_3016	RECV: Near Hall Containment/Interlock-X-Ray PPS	0		11/10/06										◆ RECV: Near Hall Containment/Interlock-X-Ray PPS
XE_3017	RECV: Near Hall Detectors - X-Ray PPS	0		11/10/06										◆ RECV: Near Hall Detectors - X-Ray PPS
XE_3018	REQD: Near Hall Beneficial Occupancy	0		11/10/06										◆ REQD: Near Hall Beneficial Occupancy
XE_3028	AVAIL: Near Hall X-Ray PPS	0		11/10/06										◆ AVAIL: Near Hall X-Ray PPS
XE_17	Assemble NH Beam Stop Hardware - X-Ray PPS	40	11/13/06	01/11/07										■ Assemble NH Beam Stop Hardware - X-Ray PPS
<b>1.06.02.05.03 Tunnel X-Ray PPS</b>														
XE_400	Specification Tunnel - X-Ray PPS	20	02/13/06	03/13/06										■ Specification Tunnel - X-Ray PPS
XE_450	TUNNEL X-Ray PPS	351	02/13/06	07/03/07										■ TUNNEL X-Ray PPS
XE_401	Design Tunnel - X-Ray PPS	40	03/14/06	05/08/06										■ Design Tunnel - X-Ray PPS
XE_451	Safety Review Tunnel - X-Ray PPS	40	05/09/06	07/05/06										■ Safety Review Tunnel - X-Ray PPS
XE_402	COMP: Tunnel Design - X-Ray PPS	0		07/05/06										◆ COMP: Tunnel Design - X-Ray PPS
XE_403	Prepare Bid Pkg Tunnel Alarms/Signs - X-Ray PPS	10	07/06/06	07/19/06										■ Prepare Bid Pkg Tunnel Alarms/Signs - X-Ray PPS
XE_404	Prep Bid Pkg Tunnel Containmt/Interlock-X-RayPPS	10	07/06/06	07/19/06										■ Prep Bid Pkg Tunnel Containmt/Interlock-X-RayPPS

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04		FY05		FY06		FY07		FY08	
<b>1.06.02.05.03 Tunnel X-Ray PPS</b>														
XE_405	Prepare Bid Pkg Tunnel Detectors - X-Ray PPS	10	07/06/06	07/19/06										■ Prepare Bid Pkg Tunnel Detectors - X-Ray
XE_2333	Procure Beam Stop Hardware	91	07/06/06	11/10/06										■ Procure Beam Stop Hardware
XE_406	Bid Process Tunnel Alarms/Signs - X-Ray PPS	40	07/20/06	09/14/06										■ Bid Process Tunnel Alarms/Signs - X-F
XE_407	Bid Process Tunnel Containmt/Interlock-X-Ray PPS	40	07/20/06	09/14/06										■ Bid Process Tunnel Containmt/Interloc
XE_408	Bid Process Tunnel Detectors - X-Ray PPS	40	07/20/06	09/14/06										■ Bid Process Tunnel Detectors - X-Ray PP
XE_409	AWARD: Contract Tunnel Alarms/Signs - X-Ray PPS	1	09/15/06	09/15/06										■ AWARD: Contract Tunnel Alarms/Sign
XE_410	AWARD: Contract Tunnel Interlock-X-Ray PPS	1	09/15/06	09/15/06										■ AWARD: Contract Tunnel Interlock-X-Ray PPS
XE_411	AWARD: Contract Tunnel Detectors - X-Ray PPS	1	09/15/06	09/15/06										■ AWARD: Contract Tunnel Detectors - X
XE_412	Vendor Fab/Ship Tunnel Alarms/Signs - X-Ray PPS	40	09/18/06	11/10/06										■ Vendor Fab/Ship Tunnel Alarms/Sig
XE_413	Vendor Ship Tunnel Contain/Interlock-X-Ray PPS	40	09/18/06	11/10/06										■ Vendor Ship Tunnel Contain/Interlo
XE_414	Vendor Fab/Ship Tunnel Detectors - X-Ray PPS	40	09/18/06	11/10/06										■ Vendor Fab/Ship Tunnel Detectors -
XE_415	RECV: Tunnel Alarms/Signs - X-Ray PPS	0		11/10/06										◆ RECV: Tunnel Alarms/Signs - X-Ray PPS
XE_416	RECV: Tunnel Containment/Interlock - X-Ray PPS	0		11/10/06										◆ RECV: Tunnel Containment/Interlo
XE_417	RECV: Tunnel Detectors - X-Ray PPS	0		11/10/06										◆ RECV: Tunnel Detectors - X-Ray PPS
XE_468	AVAIL: Tunnel X-Ray PPS	0		11/10/06										◆ AVAIL: Tunnel X-Ray PPS
XE_233	Procure Beam Stop Hardware	91	11/13/06	03/27/07										■ Procure Beam Stop Hardware
XE_23336	Assemble Beam Stop Hardware	40	03/28/07	05/22/07										■ Assemble Beam Stop Hardwar
XE_418	REQD: Tunnel Beneficial Occupancy - X-Ray PPS	0		07/03/07										◆ REQD: Tunnel Beneficial Occupancy - X-Ray PP
<b>1.06.02.05.04 Far Hall X-Ray PPS</b>														
XE_425	Specification Far Hall - PPS	20	02/13/06	03/13/06										■ Specification Far Hall - PPS
XE_455	FAR HALL PPS	372	02/13/06	08/02/07										■ FAR HALL PPS
XE_426	Design Far Hall - PPS	40	03/14/06	05/08/06										■ Design Far Hall - PPS
XE_456	Safety Review Far Hall - PPS	40	05/09/06	07/05/06										■ Safety Review Far Hall - PPS
XE_427	COMP: Far Hall Design - PPS	0		07/05/06										◆ COMP: Far Hall Design - PPS
XE_428	Prepare Bid Pkg Far Hall Alarms/Signs - PPS	10	07/06/06	07/19/06										■ Prepare Bid Pkg Far Hall Alarms/Signs - F
XE_429	Prep Bid Pkg Far Hall Contain/Interlock - PPS	10	07/06/06	07/19/06										■ Prep Bid Pkg Far Hall Contain/Interlock -

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04		FY05		FY06		FY07		FY08	
<b>1.06.02.05.04 Far Hall X-Ray PPS</b>														
XE_430	Prepare Far Hall Bid Pkg Detectors - PPS	10	07/06/06	07/19/06										■ Prepare Far Hall Bid Pkg Detectors - PPS
XE_4447	Procure Beam Stop Hardware	91	07/06/06	11/10/06										■ Procure Beam Stop Hardware
XE_431	Bid Process Far Hall Alarms/Signs - PPS	40	07/20/06	09/14/06										■ Bid Process Far Hall Alarms/Signs - PPS
XE_432	Bid Process Far Hall Containmnt/Interlock - PPS	40	07/20/06	09/14/06										■ Bid Process Far Hall Containmnt/Interl
XE_433	Bid Process Far Hall Detectors - PPS	40	07/20/06	09/14/06										■ Bid Process Far Hall Detectors - PPS
XE_434	AWARD: Contract Far Hall Alarms/Signs - PPS	1	09/15/06	09/15/06										AWARD: Contract Far Hall Alarms/Signs - PPS
XE_435	AWARD: Contract Far Hall Contain/Interlock - PP	1	09/15/06	09/15/06										AWARD: Contract Far Hall Contain/Inte
XE_436	AWARD: Contract Far Hall Detectors - PPS	1	09/15/06	09/15/06										AWARD: Contract Far Hall Detectors - PPS
XE_437	Vendor Fab/Ship Far Hall Alarms/Signs - PPS	40	09/18/06	11/10/06										Vendor Fab/Ship Far Hall Alarms/Signs - PP
XE_438	Vendor Fab/Ship Far Hall Contain/Interlock- PPS	40	09/18/06	11/10/06										Vendor Fab/Ship Far Hall Contain/Int
XE_439	Vendor Fab/Ship Far Hall Detectors - PPS	40	09/18/06	11/10/06										Vendor Fab/Ship Far Hall Detectors - PP
XE_440	RECV: Far Hall Alarms/Signs - PPS	0		11/10/06										◆ RECV: Far Hall Alarms/Signs - PPS
XE_441	RECV: Far Hall Containment/Interlock - PPS	0		11/10/06										RECV: Far Hall Containment/Interlock - PPS
XE_442	RECV: Far Hall Detectors - PPS	0		11/10/06										◆ RECV: Far Hall Detectors - PPS
XE_453	AVAIL: Far Hall X-Ray PPS	0		11/10/06										◆ AVAIL: Far Hall X-Ray PPS
XE_44478	Procure Beam Stop Hardware	91	11/13/06	03/27/07										Procure Beam Stop Hardware
XE_44479	Assemble Beam Stop Hardware	20	03/28/07	04/24/07										Assemble Beam Stop Hardwar
XE_443	REQD: Far Hall Beneficial Occupancy	0		08/02/07										REQD: Far Hall Beneficial Occupanc
<b>1.06.02.06 X-Ray MPS</b>														
<b>1.06.02.06.01 FEE X-Ray MPS</b>														
XE_5015	Specification FEE - MPS	20	02/13/06	03/13/06										■ Specification FEE - MPS
XE_5105	FEE MPS	295	02/13/06	04/13/07										■ FEE MPS
XE_5014	Design FEE - MPS	40	03/14/06	05/08/06										■ Design FEE - MPS
XE_5104	Safety Review - MPS	40	05/09/06	07/05/06										■ Safety Review - MPS
XE_5016	COMP: FEE Design - MPS	0	07/06/06	07/05/06										COMP: FEE Design - MPS
XE_5000	Prepare Bid Pkg FEE Sensors - MPS	10	07/06/06	07/19/06										■ Prepare Bid Pkg FEE Sensors - MPS

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04				FY05				FY06				FY07				FY08			
<b>1.06.02.06.01 FEE X-Ray MPS</b>																								
XE_5007	Prepare Bid Pkg FEE Interlocks - MPS	10	07/06/06	07/19/06																			█ Prepare Bid Pkg FEE Interlocks - MPS	
XE_5017	Prepare Bid Pkg FEE Valves - MPS	10	07/06/06	07/19/06																			█ Prepare Bid Pkg FEE Valves - MPS	
XE_5001	Bid Process FEE Sensors - MPS	40	07/20/06	09/14/06																			█ Bid Process FEE Sensors - MPS	
XE_5009	Bid Process FEE Interlocks - MPS	40	07/20/06	09/14/06																			█ Bid Process FEE Interlocks - MPS	
XE_5018	Bid Process FEE Valves - MPS	40	07/20/06	09/14/06																			█ Bid Process FEE Valves - MPS	
XE_5002	AWARD: Contract FEE Sensors - MPS	1	09/15/06	09/15/06																			AWARD: Contract FEE Sensors - MPS	
XE_5008	AWARD: Contract FEE Interlocks - MPS	1	09/15/06	09/15/06																			AWARD: Contract FEE Interlocks - MPS	
XE_5019	AWARD: Contract FEE Valves - MPS	1	09/15/06	09/15/06																			AWARD: Contract FEE Valves - MPS	
XE_5003	Vendor Fab/Ship FEE Sensors - MPS	40	09/18/06	11/10/06																			Vendor Fab/Ship FEE Sensors - MPS █	
XE_5010	Vendor Fab/Ship FEE Interlocks - MPS	40	09/18/06	11/10/06																			Vendor Fab/Ship FEE Interlocks - MPS █	
XE_5020	Vendor Fab/Ship FEE Valves - MPS	40	09/18/06	11/10/06																			█ Vendor Fab/Ship FEE Valves - MPS	
XE_5115	AVAIL: FEE X-Ray MPS	0		11/10/06																			◆ AVAIL: FEE X-Ray MPS	
XE_5004	RECV: FEE Sensors - MPS	0	11/13/06	11/10/06																			RECV: FEE Sensors - MPS	
XE_5011	RECV: FEE Interlocks - MPS	0	11/13/06	11/10/06																			RECV: FEE Interlocks - MPS	
XE_5021	RECV: FEE Valves - MPS	0	11/13/06	11/10/06																			RECV: FEE Valves - MPS	
XE_5005	REQD: FEE Beneficial Occupancy	0		04/13/07																			REQD: FEE Beneficial Occupancy ◆	
<b>1.06.02.06.02 Near Hall X-Ray MPS</b>																								
XE_5024	Specification Near Hall - MPS	20	02/13/06	03/13/06																			█ Specification Near Hall - MPS	
XE_5124	NEAR HALL MPS	191	02/13/06	11/10/06																			█ NEAR HALL MPS	
XE_5025	Design Near Hall - MPS	40	03/14/06	05/08/06																			█ Design Near Hall - MPS	
XE_5114	Safety Review - MPS	40	05/09/06	07/05/06																			█ Safety Review - MPS	
XE_5026	COMP: Near Hall Design - MPS	0	07/06/06	07/05/06																			COMP: Near Hall Design - MPS	
XE_5027	Prepare Bid Pkg Near Hall Sensors - MPS	10	07/06/06	07/19/06																			█ Prepare Bid Pkg Near Hall Sensors - MPS	
XE_5028	Prep Bid Pkg Near Hall Interlocks - MPS	10	07/06/06	07/19/06																			█ Prep Bid Pkg Near Hall Interlocks - MPS	
XE_5029	Prepare Near Hall Bid Pkg Valves - MPS	10	07/06/06	07/19/06																			█ Prepare Near Hall Bid Pkg Valves - MPS	
XE_5030	Bid Process Near Hall Sensors - MPS	40	07/20/06	09/14/06																			█ Bid Process Near Hall Sensors - MPS	

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.06.02.06.02 Near Hall X-Ray MPS</b>																																																																
XE_5031	Bid Process Near Hall Interlock - MPS	40	07/20/06	09/14/06																																																	■ Bid Process Near Hall Interlock - MPS											
XE_5032	Bid Process Near Hall Valves - MPS	40	07/20/06	09/14/06																																																	■ Bid Process Near Hall Valves - MPS											
XE_5033	AWARD: Contract Near Hall Sensors - MPS	1	09/15/06	09/15/06																																																	■ AWARD: Contract Near Hall Sensors - MPS											
XE_5034	AWARD: Contract Near Hall Interlocks - MPS	1	09/15/06	09/15/06																																																	■ AWARD: Contract Near Hall Interlocks - MPS											
XE_5035	AWARD: Contract Near Hall Valves - MPS	1	09/15/06	09/15/06																																																	■ AWARD: Contract Near Hall Valves - MPS											
XE_5036	Vendor Fab/Ship Near Hall Sensors - MPS	40	09/18/06	11/10/06																																																	■ Vendor Fab/Ship Near Hall Sensors - MPS											
XE_5037	Vendor Fab/Ship Near Hall Interlocks- MPS	40	09/18/06	11/10/06																																																	■ Vendor Fab/Ship Near Hall Interlocks- MPS											
XE_5038	Vendor Fab/Ship Near Hall Valves - MPS	40	09/18/06	11/10/06																																																	■ Vendor Fab/Ship Near Hall Valves - MPS											
XE_5042	REQD: Near Hall Beneficial Occupancy	0		11/10/06																																																	◆ REQD: Near Hall Beneficial Occupancy											
XE_5122	AVAIL: Near Hall X-Ray PPS	0		11/10/06																																																	◆ AVAIL: Near Hall X-Ray PPS											
XE_5039	RECV: Near Hall Sensors - MPS	0	11/13/06	11/10/06																																																	■ RECV: Near Hall Sensors - MPS											
XE_5040	RECV: Near Hall Interlocks - MPS	0	11/13/06	11/10/06																																																	■ RECV: Near Hall Interlocks - MPS											
XE_5041	RECV: Near Hall Valves - MPS	0	11/13/06	11/10/06																																																	■ RECV: Near Hall Valves - MPS											
<b>1.06.02.06.03 Tunnel X-Ray MPS</b>																																																																
XE_5048	Specification Tunnel - MPS	20	02/13/06	03/13/06																																																	■ Specification Tunnel - MPS											
XE_5108	TUNNEL MPS	351	02/13/06	07/03/07																																																	■ TUNNEL MPS											
XE_5049	Design Tunnel - MPS	40	03/14/06	05/08/06																																																	■ Design Tunnel - MPS											
XE_5098	Safety Review - MPS	40	05/09/06	07/05/06																																																	■ Safety Review - MPS											
XE_5050	COMP: Tunnel Design - MPS	0	07/06/06	07/05/06																																																	■ COMP: Tunnel Design - MPS											
XE_5051	Prepare Bid Pkg Tunnel Sensors - MPS	10	07/06/06	07/19/06																																																	■ Prepare Bid Pkg Tunnel Sensors - MPS											
XE_5052	Prep Bid Pkg Tunnel Interlocks - MPS	10	07/06/06	07/19/06																																																	■ Prep Bid Pkg Tunnel Interlocks - MPS											
XE_5053	Prepare Bid Pkg Tunnel Valves - MPS	10	07/06/06	07/19/06																																																	■ Prepare Bid Pkg Tunnel Valves - MPS											
XE_5054	Bid Process Tunnel Sensors - MPS	40	07/20/06	09/14/06																																																	■ Bid Process Tunnel Sensors - MPS											
XE_5055	Bid Process Tunnel Interlocks - MPS	40	07/20/06	09/14/06																																																	■ Bid Process Tunnel Interlocks - MPS											
XE_5056	Bid Process Tunnel Valves - MPS	40	07/20/06	09/14/06																																																	■ Bid Process Tunnel Valves - MPS											
XE_5057	AWARD: Contract Tunnel Sensors - MPS	1	09/15/06	09/15/06																																																	■ AWARD: Contract Tunnel Sensors - MPS											

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.06.02.06.03 Tunnel X-Ray MPS</b>																																																																
XE_5058	AWARD: Contract Tunnel Interlocks - MPS	1	09/15/06	09/15/06																																																												
XE_5059	AWARD: Contract Tunnel Valves - MPS	1	09/15/06	09/15/06																																																												
XE_5060	Vendor Fab/Ship Tunnel Sensors - MPS	40	09/18/06	11/10/06																																																												
XE_5061	Vendor Fab/Ship Tunnel Interlocks - MPS	40	09/18/06	11/10/06																																																												
XE_5062	Vendor Fab/Ship Tunnel Valves - MPS	40	09/18/06	11/10/06																																																												
XE_5096	AVAIL: Tunnel X-Ray MPS	0		11/10/06																																																												
XE_5063	RECV: Tunnel Sensors - MPS	0	11/13/06	11/10/06																																																												
XE_5064	RECV: Tunnel Interlocks - MPS	0	11/13/06	11/10/06																																																												
XE_5065	RECV: Tunnel Valves - MPS	0	11/13/06	11/10/06																																																												
XE_5066	REQD: Tunnel Beneficial Occupancy	0		07/03/07																																																												
<b>1.06.02.06.04 Far Hall X-Ray MPS</b>																																																																
XE_5072	Specification Far Hall - MPS	20	02/13/06	03/13/06																																																												
XE_5112	FAR HALL MPS	372	02/13/06	08/02/07																																																												
XE_5073	Design Far Hall - MPS	40	03/14/06	05/08/06																																																												
XE_5102	Safety Review - MPS	40	05/09/06	07/05/06																																																												
XE_3333	COMP: XRAY MPS, PPS DESIGN	0		07/05/06																																																												
XE_5074	COMP: Far Hall Design - MPS	0	07/06/06	07/05/06																																																												
XE_5075	Prepare Bid Pkg Far Hall Sensors - MPS	10	07/06/06	07/19/06																																																												
XE_5076	Prep Bid Pkg Far Hall Interlocks - MPS	10	07/06/06	07/19/06																																																												
XE_5077	Prepare Far Hall Bid Pkg Valves - MPS	10	07/06/06	07/19/06																																																												
XE_5078	Bid Process Far Hall Sensors - MPS	40	07/20/06	09/14/06																																																												
XE_5079	Bid Process Far Hall Interlock - MPS	40	07/20/06	09/14/06																																																												
XE_5080	Bid Process Far Hall Valves - MPS	40	07/20/06	09/14/06																																																												
XE_5081	AWARD: Contract Far Hall Sensors - MPS	1	09/15/06	09/15/06																																																												
XE_5082	AWARD: Contract Far Hall Interlocks - MPS	1	09/15/06	09/15/06																																																												
XE_5083	AWARD: Contract Far Hall Valves - MPS	1	09/15/06	09/15/06																																																												

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.06.02.06.04 Far Hall X-Ray MPS</b>																																																																
XE_5084	Vendor Fab/Ship Far Hall Sensors - MPS	40	09/18/06	11/10/06																									Vendor Fab/Ship Far Hall Sensors - MP																																			
XE_5085	Vendor Fab/Ship Far Hall Interlocks- MPS	40	09/18/06	11/10/06																									Vendor Fab/Ship Far Hall Interlocks- MP																																			
XE_5086	Vendor Fab/Ship Far Hall Valves - MPS	40	09/18/06	11/10/06																									Vendor Fab/Ship Far Hall Valves - MP																																			
XE_5100	AVAIL: Far Hall X-Ray MPS	0		11/10/06																																					◆ AVAIL: Far Hall X-Ray MPS																							
XE_5087	RECV: Far Hall Sensors - MPS	0	11/13/06	11/10/06																																					RECV: Far Hall Sensors - MPS																							
XE_5088	RECV: Far Hall Interlocks - MPS	0	11/13/06	11/10/06																																					RECV: Far Hall Interlocks - MPS																							
XE_5089	RECV: Far Hall Valves - MPS	0	11/13/06	11/10/06																																					RECV: Far Hall Valves - MPS																							
XE_5090	REQD: Far Hall Beneficial Occupancy	0		08/02/07																																					REQD: Far Hall Beneficial Occupancy◆																							
<b>1.06.02.07 Laser PPS</b>																																																																
<b>1.06.02.07.01 Near Hall Laser PPS</b>																																																																
XE_2700	Specification - Near Hall - Laser PPS	20	07/06/06	08/02/06																																					■ Specification - Near Hall - Laser PPS																							
XE_2730	NEAR HALL LASER PPS	191	07/06/06	04/09/07																																					■ NEAR HALL LASER PPS																							
XE_2701	Design Near Hall - Laser PPS	40	08/03/06	09/28/06																																					■ Design Near Hall - Laser PPS																							
XE_2703	Safety Review Near Hall - Laser PPS	40	09/29/06	11/27/06																																					■ Safety Review Near Hall - Laser PPS																							
XE_2702	COMP: Near Hall Design - Laser PPS	0		11/27/06																																					◆ COMP: Near Hall Design - Laser PPS																							
XE_M24	Complete Laser PPS Design Review	0		11/27/06																																					◆ Complete Laser PPS Design Review																							
XE_2704	Prep Bid Pkg Near Hall Alarms/Signs - Laser PPS	10	11/28/06	12/11/06																																					■ Prep Bid Pkg Near Hall Alarms/Signs - Laser PPS																							
XE_2705	Prep Bid Pkg NHall Contain/Interlck - Laser PPS	10	11/28/06	12/11/06																																					■ Prep Bid Pkg NHall Contain/Interlck - Laser PPS																							
XE_2707	Bid Process Near Hall Alarms/Signs - Laser PPS	40	12/12/06	02/08/07																																					■ Bid Process Near Hall Alarms/Signs - Laser PPS																							
XE_2708	Bid Process NHall Contain/Interlck - Laser PPS	40	12/12/06	02/08/07																																					■ Bid Process NHall Contain/Interlck - Laser PPS																							
XE_2710	AWARD: Contract Near Hall Alarms/Signs -Laser P	1	02/09/07	02/09/07																																					■ AWARD: Contract Near Hall Alarms/Signs -Laser P																							
XE_2711	AWARD: Contract NHall Contain/Interlck - Laser	1	02/09/07	02/09/07																																					■ AWARD: Contract NHall Contain/Interlck - Laser																							
XE_2713	Vendor Fab/Ship Near Hall Alarm/Sign - Laser PPS	40	02/12/07	04/09/07																																					■ Vendor Fab/Ship Near Hall Alarm/Sign - Laser PPS																							
XE_2714	Vendor Ship Near Hall Contain/Intrlck-Laser PPS	40	02/12/07	04/09/07																																					■ Vendor Ship Near Hall Contain/Intrlck-Laser PPS																							
XE_2716	RECV: Near Hall Alarms/Signs - Laser PPS	0		04/09/07																																					◆ RECV: Near Hall Alarms/Signs - Laser PPS																							
XE_2717	RECV: Near Hall Containment/Interlock -Laser PPS	0		04/09/07																																					◆ RECV: Near Hall Containment/Interlock -Laser PPS																							



Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.06.02.07.01 Near Hall Laser PPS</b>																																																																
XE_2719	REQD: Near Hall Beneficial Occup - Laser PPS	0		04/09/07	REQD: Near Hall Beneficial Occup - Laser PPS																																																											
XE_2729	AVAIL: Near Hall Laser PPS	0		04/09/07	AVAIL: Near Hall Laser PPS																																																											
<b>1.06.02.07.02 Far Hall Laser PPS</b>																																																																
XE_7301	Specification Far Hall - Laser PPS	20	07/06/06	08/02/06	Specification Far Hall - Laser PPS																																																											
XE_760	FAR HALL LASER PPS	272	07/06/06	08/02/07	FAR HALL LASER PPS																																																											
XE_7311	Design Far Hall - Laser PPS	40	08/03/06	09/28/06	Design Far Hall - Laser PPS																																																											
XE_7331	Safety Review Far Hall - Laser PPS	40	09/29/06	11/27/06	Safety Review Far Hall - Laser PPS																																																											
XE_7321	COMP: Far Hall Design - Laser PPS	0		11/27/06	COMP: Far Hall Design - Laser PPS																																																											
XE_7341	Prep Bid Pkg Far Hall Alarms/Signs - Laser PPS	10	11/28/06	12/11/06	Prep Bid Pkg Far Hall Alarms/Signs - Laser PPS																																																											
XE_7351	Prep Bid Pkg FHall Contain/Interlock - Laser PPS	10	11/28/06	12/11/06	Prep Bid Pkg FHall Contain/Interlock - Laser PPS																																																											
XE_7361	Prepare Bid Pkg Far Hall Detectors - Laser PPS	10	11/28/06	12/11/06	Prepare Bid Pkg Far Hall Detectors - Laser PPS																																																											
XE_7371	Bid Process Far Hall Alarms/Signs - Laser PPS	40	12/12/06	02/08/07	Bid Process Far Hall Alarms/Signs - Laser PPS																																																											
XE_7381	Bid Process Far Hall Contain/Interlock - Laser PP	40	12/12/06	02/08/07	Bid Process Far Hall Contain/Interlock - Laser PPS																																																											
XE_7391	Bid Process Far Hall Detectors - Laser PPS	40	12/12/06	02/08/07	Bid Process Far Hall Detectors - Laser PPS																																																											
XE_7401	AWARD: Contract Far Hall Alarms/Signs -Laser PP	1	02/09/07	02/09/07	AWARD: Contract Far Hall Alarms/Signs -Laser PP																																																											
XE_7411	AWARD: Contract FHall Contain/Interlock - Laser	1	02/09/07	02/09/07	AWARD: Contract FHall Contain/Interlock - Laser																																																											
XE_7421	AWARD: Contract Far Hall Detectors - Laser PPS	1	02/09/07	02/09/07	AWARD: Contract Far Hall Detectors - Laser PPS																																																											
XE_7431	Vendor Fab/Ship Far Hall Alarm/Sign - Laser PPS	40	02/12/07	04/09/07	Vendor Fab/Ship Far Hall Alarm/Sign - Laser PPS																																																											
XE_7441	Vendor Ship Far Hall Contain/Intrck-Laser PPS	40	02/12/07	04/09/07	Vendor Ship Far Hall Contain/Intrck-Laser PPS																																																											
XE_7451	Vendor Fab/Ship Far Hall Detectors - Laser PPS	40	02/12/07	04/09/07	Vendor Fab/Ship Far Hall Detectors - Laser PPS																																																											
XE_7461	RECV: Far Hall Alarms/Signs - Laser PPS	0		04/09/07	RECV: Far Hall Alarms/Signs - Laser PPS																																																											
XE_7471	RECV: Far Hall Containment/Interlock -Laser PPS	0		04/09/07	RECV: Far Hall Containment/Interlock -Laser PPS																																																											
XE_7481	RECV: Far Hall Detectors - Laser PPS	0		04/09/07	RECV: Far Hall Detectors - Laser PPS																																																											
XE_7591	AVAIL: Far Hall Laser PPS	0		04/09/07	AVAIL: Far Hall Laser PPS																																																											
XE_7491	REQD: Far Hall Beneficial Occup - Laser PPS	0		08/02/07	REQD: Far Hall Beneficial Occup - Laser PPS																																																											

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.06.02.08 User Safeguards</b>																																																																
<b>1.06.02.08.01 Near Hall User Safeguards</b>																																																																
XE_900	Specification Near Hall - User Safeguards	20	07/06/06	08/02/06																																																	Specification Near Hall - User Safeguards											
XE_930	NEAR HALL USER SAFEGUARDS	191	07/06/06	04/09/07													NEAR HALL USER SAFEGUARD																																															
XE_901	Design Near Hall - User Safeguards	40	08/03/06	09/28/06																																																	Design Near Hall - User Safeguards											
XE_903	Safety Review Near Hall - User Safeguards	40	09/29/06	11/27/06																																																	Safety Review Near Hall - User Safeguards											
XE_902	COMP: Near Hall Design - User Safeguards	0		11/27/06																																																	COMP: Near Hall Design - User Safeguards											
XE_904	Prep Bid Pkg Near Hall Alarms/Signs - User Safeg	10	11/28/06	12/11/06	Prep Bid Pkg Near Hall Alarms/Signs - User Safeg																																																											
XE_905	Prep Bid Pkg NHall Interlock - User Safeguards	10	11/28/06	12/11/06	Prep Bid Pkg NHall Interlock - User Safeguards																																																											
XE_906	Prepare Near Hall Bid Pkg Detectors - User Safeg	10	11/28/06	12/11/06	Prepare Near Hall Bid Pkg Detectors - User Safeg																																																											
XE_907	Bid Process Near Hall Alarms/Signs - User Safegu	40	12/12/06	02/08/07	Bid Process Near Hall Alarms/Signs - User Safegu																																																											
XE_908	Bid Process NHall Interlock - User Safeguards	40	12/12/06	02/08/07	Bid Process NHall Interlock - User Safeguards																																																											
XE_909	Bid Process Near Hall Detectors - User Safeguard	40	12/12/06	02/08/07	Bid Process Near Hall Detectors - User Safeguard																																																											
XE_910	AWARD: Contract Near Hall Alarms/Signs -User Sa	1	02/09/07	02/09/07	AWARD: Contract Near Hall Alarms/Signs -User Sa																																																											
XE_911	AWARD: Contract NHall Interlock - User Safeguar	1	02/09/07	02/09/07	AWARD: Contract NHall Interlock - User Safeguar																																																											
XE_912	AWARD: Contract Near Hall Detectors - User Safe	1	02/09/07	02/09/07	AWARD: Contract Near Hall Detectors - User Safe																																																											
XE_913	Vendor Fab/Ship Near Hall Alarm/Sign - User Safe	40	02/12/07	04/09/07	Vendor Fab/Ship Near Hall Alarm/Sign - User Safe																																																											
XE_914	Vendor Ship Near Hall Intrlock-User Safeguards	40	02/12/07	04/09/07	Vendor Ship Near Hall Intrlock-User Safeguards																																																											
XE_915	Vendor Fab/Ship Near Hall Detectors - User Safeg	40	02/12/07	04/09/07	Vendor Fab/Ship Near Hall Detectors - User Safeg																																																											
XE_916	RECV: Near Hall Alarms/Signs - User Safeguards	0		04/09/07	RECV: Near Hall Alarms/Signs - User Safeguards																																																											
XE_917	RECV: Near Hall Interlock -User Safeguards	0		04/09/07	RECV: Near Hall Interlock -User Safeguards																																																											
XE_918	RECV: Near Hall Detectors - User Safeguards	0		04/09/07	RECV: Near Hall Detectors - User Safeguards																																																											
XE_919	REQD: Near Hall Beneficial Occup - User Safeguar	0		04/09/07	REQD: Near Hall Beneficial Occup - User Safeguar																																																											
XE_929	AVAIL: Near Hall User Safeguard	0		04/09/07	AVAIL: Near Hall User Safeguard																																																											
<b>1.06.02.08.02 Far Hall User Safeguards</b>																																																																
XE_850	Specification Far Hall - User Safeguards	20	07/06/06	08/02/06																																																	Specification Far Hall - User Safeguards											
XE_880	FAR HALL USER SAFEGUARDS	272	07/06/06	08/02/07													FAR HALL USER SAFEGUARD																																															

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.06.02.08.02 Far Hall User Safeguards</b>																																																																
XE_851	Design Far Hall - User Safeguards	40	08/03/06	09/28/06																																					Design Far Hall - User Safeguards																							
XE_853	Safety Review Far Hall - User Safeguards	40	09/29/06	11/27/06																																					Safety Review Far Hall - User Safeguards																							
XE_852	COMP: Far Hall Design - User Safeguards	0		11/27/06																																					COMP: Far Hall Design - User Safeguards																							
XE_854	Prep Bid Pkg Far Hall Alarms/Signs - User Safegu	10	11/28/06	12/11/06	Prep Bid Pkg Far Hall Alarms/Signs - User Safegu																																																											
XE_855	Prep Bid Pkg Far Hall Interlock - User Safeguard	10	11/28/06	12/11/06	Prep Bid Pkg Far Hall Interlock - User Safeguard																																																											
XE_856	Prepare Far Hall Bid Pkg Detectors - User Safegu	10	11/28/06	12/11/06	Prepare Far Hall Bid Pkg Detectors - User Safegu																																																											
XE_857	Bid Process Far Hall Alarms/Signs - User Safegua	40	12/12/06	02/08/07	Bid Process Far Hall Alarms/Signs - User Safegu																																																											
XE_858	Bid Process Far Hall Interlock - User Safeguards	40	12/12/06	02/08/07	Bid Process Far Hall Interlock - User Safeguards																																																											
XE_859	Bid Process Far Hall Detectors - User Safeguards	40	12/12/06	02/08/07	Bid Process Far Hall Detectors - User Safeguards																																																											
XE_860	AWARD: Contract Far Hall Alarms/Signs -User Saf	1	02/09/07	02/09/07	AWARD: Contract Far Hall Alarms/Signs -User Saf																																																											
XE_861	AWARD: Contract Far Hall Interlck - User Safegu	1	02/09/07	02/09/07	AWARD: Contract Far Hall Interlck - User Safegu																																																											
XE_862	AWARD: Contract Far Hall Detectors - User Safeg	1	02/09/07	02/09/07	AWARD: Contract Far Hall Detectors - User Safeg																																																											
XE_863	Vendor Fab/Ship Far Hall Alarm/Sign - User Safeg	40	02/12/07	04/09/07	Vendor Fab/Ship Far Hall Alarm/Sign - User Safeg																																																											
XE_864	Vendor Ship Far Hall Contain/Intrclck-User Safegu	40	02/12/07	04/09/07	Vendor Ship Far Hall Contain/Intrclck-User Safegu																																																											
XE_865	Vendor Fab/Ship Far Hall Detectors - User Safegu	40	02/12/07	04/09/07	Vendor Fab/Ship Far Hall Detectors - User Safegu																																																											
XE_866	RECV: Far Hall Alarms/Signs - User Safeguards	0		04/09/07																																					RECV: Far Hall Alarms/Signs - User Safeguards																							
XE_867	RECV: Far Hall Containment/Interlock -User Safeg	0		04/09/07																																					RECV: Far Hall Containment/Interlock -User Safeg																							
XE_868	RECV: Far Hall Detectors - User Safeguards	0		04/09/07																																					RECV: Far Hall Detectors - User Safeguards																							
XE_879	AVAIL: Far Hall User Safeguards	0		04/09/07																																					AVAIL: Far Hall User Safeguards																							
XE_869	REQD: Far Hall Beneficial Occup - User Safeguard	0		08/02/07																																					REQD: Far Hall Beneficial Occup - User Safeguard																							
<b>1.06.03 Mechanical/Vacuum Subsystem</b>																																																																
<b>1.06.03.01 Chamber Support Tables - Mech/Vac</b>																																																																
XE_503	Specification - Chamber Spt Table	40	02/28/06	04/24/06																																					Specification - Chamber Spt Table																							
XE_523	CHAMBER SUPPORT TABLES	362	02/28/06	08/02/07	CHAMBER SUPPORT TABLES																																																											
XE_504	Design - Chamber Spt Table	40	04/25/06	06/20/06																																					Design - Chamber Spt Table																							
XE_505	Design Review - Chamber Spt Table	5	06/21/06	06/27/06																																					Design Review - Chamber Spt Table																							

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.06.03.01 Chamber Support Tables - Mech/Vac</b>																																																																
XE_506	COMP: Design Chamber Support Table	0		06/27/06																																					◆ COMP: Design Chamber Support Table																							
XE_507	Prep Bid Pkg Metal Products - Chamber Spt Table	5	06/28/06	07/05/06																																					■ Prep Bid Pkg Metal Products - Chamber S																							
XE_508	Bid Process Metal Products - Chamber Spt Table	20	07/06/06	08/02/06																																					■ Bid Process Metal Products - Chamber S																							
XE_509	AWARD: Contract Metal Product-Chamber Spt Table	1	08/03/06	08/03/06																																					■ AWARD: Contract Metal Product-Chamb																							
XE_510	Vendor Fab/Ship Metal Products-Chamber Spt Table	40	08/04/06	09/29/06																																					■ Vendor Fab/Ship Metal Products-Char																							
XE_511	RECV: Metal Products - Chamber Spt Table	0		09/29/06																																					◆ RECV: Metal Products - Chamber Spt Tabl																							
XE_515	Assemble Near Hall - Chamber Spt Table	80	10/02/06	01/26/07																																					■ Assemble Near Hall - Chamber Spt Tabl																							
XE_525	REQD: Near Hall Beneficial Occupancy	0		01/26/07																																					◆ REQD: Near Hall Beneficial Occupanc																							
XE_535	AVAIL: Near Hall - Chamber Support Table	0		01/26/07																																					◆ AVAIL: Near Hall - Chamber Support Tabl																							
XE_512	Assemble Far Hall - Chamber Spt Table	80	02/27/07	06/19/07																																					■ Assemble Far Hall - Chamber Spt Tabl																							
XE_532	AVAIL: Far Hall - Chamber Support Table	0		06/19/07																																					◆ AVAIL: Far Hall - Chamber Support Tabl																							
XE_522	REQD: Far Hall Beneficial Occupancy	0		08/02/07																																					◆ REQD: Far Hall Beneficial Occupanc																							
<b>1.06.03.02 Vacuum Components - Mech/Vac</b>																																																																
<b>1.06.03.02.01 Valves - Vacuum</b>																																																																
XE_2760	Specification Valve - Vacuum	40	08/24/06	10/19/06																																					■ Specification Valve - Vacuum																							
XE_2790	VACUUM VALVES	237	08/24/06	08/02/07																																					■ VACUUM VALVES																							
XE_2761	Design Valve - Vacuum	40	10/20/06	12/18/06																																					■ Design Valve - Vacuum																							
XE_2762	Design Review Valves - Vacuum	5	12/19/06	12/26/06																																					■ Design Review Valves - Vacuum																							
XE_2763	COMP: Design Beryllium Valve - Vacuum	0		12/26/06																																					◆ COMP: Design Beryllium Valve - Vacuum																							
XE_2764	Prep Bid Pkg Isolation Valve - Vacuum	5	12/27/06	01/03/07																																					■ Prep Bid Pkg Isolation Valve - Vacuum																							
XE_2800	Prep Bid Pkg Beryllium Valve - Vacuum	5	12/27/06	01/03/07																																					■ Prep Bid Pkg Beryllium Valve - Vacuum																							
XE_2765	Bid Process Isolation Valve - Vacuum	20	01/04/07	02/01/07																																					■ Bid Process Isolation Valve - Vacuum																							
XE_2801	Bid Process Beryllium Valve - Vacuum	20	01/04/07	02/01/07																																					■ Bid Process Beryllium Valve - Vacuum																							
XE_2766	AWARD: Contract Isolation Valve - Vacuum	1	02/02/07	02/02/07																																					■ AWARD: Contract Isolation Valve - Vacuum																							
XE_2802	AWARD: Contract Beryllium Valve - Vacuum	1	02/02/07	02/02/07																																					■ AWARD: Contract Beryllium Valve - Vacuum																							
XE_2767	Vendor Fab/Ship Isolation Valve - Vacuum	40	02/05/07	04/02/07																																					■ Vendor Fab/Ship Isolation Valve - Vacuum																							

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.06.03.02.01 Valves - Vacuum</b>																																																																
XE_2803	Vendor Fab/Ship Beryllium Valve - Vacuum	40	02/05/07	04/02/07													Vendor Fab/Ship Beryllium Valve - Vacuum																																															
XE_2804	RECV: Beryllium Valves	0		04/02/07																																					RECV: Beryllium Valves																							
XE_2814	RECV: Isolation Valves	1	04/03/07	04/03/07																																					RECV: Isolation Valves																							
XE_2781	Assemble Near Hall Valve - Vacuum	20	04/04/07	05/01/07																																					Assemble Near Hall Valve - Vacuum																							
XE_2805	Assemble Far Hall Valve - Vacuum	20	04/04/07	05/01/07																																					Assemble Far Hall Valve - Vacuum																							
XE_2779	REQD: Near Hall Ben Occ Valves Vacuum	0		05/01/07																																					REQD: Near Hall Ben Occ Valves Vacuum																							
XE_2789	AVAIL: Near Hall Valves - Vacuum	0		05/01/07																																					AVAIL: Near Hall Valves - Vacuum																							
XE_2816	AVAIL: Far Hall Valves - Vacuum	0		05/01/07																																					AVAIL: Far Hall Valves - Vacuum																							
XE_2806	REQD: Far Hall Beneficial Occupancy	0		08/02/07																																					REQD: Far Hall Beneficial Occupancy																							
<b>1.06.03.02.02 Hardware - Vacuum</b>																																																																
XE_2900	Specification - Vacuum Hardware	40	08/24/06	10/19/06																																					Specification - Vacuum Hardware																							
XE_2910	VACUUM HARDWARE	237	08/24/06	08/02/07																																					VACUUM HARDWARE																							
XE_2901	Design - Vacuum Hardware	40	10/20/06	12/18/06																																					Design - Vacuum Hardware																							
XE_2902	Design Review - Vacuum Hardware	5	12/19/06	12/26/06																																					Design Review - Vacuum Hardware																							
XE_2903	COMP: Design Vacuum Hardware	0		12/26/06																																					COMP: Design Vacuum Hardware																							
XE_2905	Prep Bid Pkg - Vacuum Hardware	5	12/27/06	01/03/07																																					Prep Bid Pkg - Vacuum Hardware																							
XE_2907	Bid Process - Vacuum Hardware	20	01/04/07	02/01/07																																					Bid Process - Vacuum Hardware																							
XE_2909	AWARD: Contract - Vacuum Hardware	1	02/02/07	02/02/07																																					AWARD: Contract - Vacuum Hardware																							
XE_2911	Vendor Fab/Ship - Vacuum Hardware	40	02/05/07	04/02/07																																					Vendor Fab/Ship - Vacuum Hardware																							
XE_2912	RECV: Vacuum Hardware	0		04/02/07																																					RECV: Vacuum Hardware																							
XE_2918	Assemble Near Hall - Vacuum Hardware	20	04/03/07	04/30/07																																					Assemble Near Hall - Vacuum Hardware																							
XE_2926	Assemble Far Hall - Vacuum Hardware	20	04/03/07	04/30/07																																					Assemble Far Hall - Vacuum Hardware																							
XE_2919	REQD: Near Hall Beneficial Occupancy	0		04/30/07																																					REQD: Near Hall Beneficial Occupancy																							
XE_2959	AVAIL: Near Hall Vacuum Hardware	0		04/30/07																																					AVAIL: Near Hall Vacuum Hardware																							
XE_2977	AVAIL: Far Hall Vacuum Hardware	0		04/30/07																																					AVAIL: Far Hall Vacuum Hardware																							
XE_2927	REQD: Far Hall Beneficial Occupancy	0		08/02/07																																					REQD: Far Hall Beneficial Occupancy																							

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.06.03.02.03 Ion Pump - Vacuum</b>																																																																
XE_2933	Specification Ion Pump - Vacuum	40	08/24/06	10/19/06																																					Specification Ion Pump - Vacuum																							
XE_2943	VACUUM ION PUMP	237	08/24/06	08/02/07																																					VACUUM ION PUMP																							
XE_2934	Design Ion Pump - Vacuum	40	10/20/06	12/18/06																																					Design Ion Pump - Vacuum																							
XE_2935	Design Review Ion Pump - Vacuum	5	12/19/06	12/26/06																																					Design Review Ion Pump - Vacuum																							
XE_2936	COMP: Design Ion Pump - Vacuum	0		12/26/06																																					COMP: Design Ion Pump - Vacuum																							
XE_2937	Prep Bid Pkg Ion Pump - Vacuum	5	12/27/06	01/03/07																																					Prep Bid Pkg Ion Pump - Vacuum																							
XE_2938	Bid Process Ion Pump - Vacuum	20	01/04/07	02/01/07																																					Bid Process Ion Pump - Vacuum																							
XE_2939	AWARD: Contract Ion Pump - Vacuum	1	02/02/07	02/02/07																																					AWARD: Contract Ion Pump - Vacuum																							
XE_2940	Vendor Fab/Ship Ion Pump - Vacuum	40	02/05/07	04/02/07																																					Vendor Fab/Ship Ion Pump - Vacuum																							
XE_2941	RECV: Ion Pump - Vacuum	0		04/02/07																																					RECV: Ion Pump - Vacuum																							
XE_2954	Assemble Far Hall Ion Pump - Vacuum	20	04/03/07	04/30/07																																					Assemble Far Hall Ion Pump - Vacuum																							
XE_2988	Assemble Near Hall Ion Pump - Vacuum	20	04/03/07	04/30/07																																					Assemble Near Hall Ion Pump - Vacuum																							
XE_2947	REQD: Near Hall Beneficial Occupancy	0		04/30/07																																					REQD: Near Hall Beneficial Occupancy																							
XE_2975	AVAIL: Far Hall Ion Pump - Vacuum	0		04/30/07																																					AVAIL: Far Hall Ion Pump - Vacuum																							
XE_2987	AVAIL: Near Hall Ion Pump - Vacuum	0		04/30/07																																					AVAIL: Near Hall Ion Pump - Vacuum																							
XE_2955	REQD: Far Hall Beneficial Occupancy	0		08/02/07																																					REQD: Far Hall Beneficial Occupancy																							
<b>1.06.03.02.04 Turbo Pump - Vacuum</b>																																																																
XE_2960	Specification Turbo Pump - Vacuum	40	08/24/06	10/19/06																																					Specification Turbo Pump - Vacuum																							
XE_2980	VACUUM TURBO PUMP	237	08/24/06	08/02/07																																					VACUUM TURBO PUMP																							
XE_2961	Design Turbo Pump - Vacuum	40	10/20/06	12/18/06																																					Design Turbo Pump - Vacuum																							
XE_2962	Design Review Turbo Pump - Vacuum	5	12/19/06	12/26/06																																					Design Review Turbo Pump - Vacuum																							
XE_2963	COMP: Design Turbo Pump Vacuum	0		12/26/06																																					COMP: Design Turbo Pump Vacuum																							
XE_2964	Prep Bid Pkg Turbo Pump - Vacuum	5	12/27/06	01/03/07																																					Prep Bid Pkg Turbo Pump - Vacuum																							
XE_2965	Bid Process Turbo Pump - Vacuum	20	01/04/07	02/01/07																																					Bid Process Turbo Pump - Vacuum																							
XE_2966	AWARD: Contract Turbo Pump - Vacuum	1	02/02/07	02/02/07																																					AWARD: Contract Turbo Pump - Vacuum																							
XE_2967	Vendor Fab/Ship Turbo Pump - Vacuum	40	02/05/07	04/02/07																																					Vendor Fab/Ship Turbo Pump - Vacuum																							

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.06.03.02.04 Turbo Pump - Vacuum</b>																																																																
XE_2968	RECV: Turbo Pump - Vacuum	0		04/02/07																																																												
XE_2969	Assemble NH Turbo Pump - Vacuum	20	04/03/07	04/30/07																																																												
XE_29998	Assemble FH Turbo Pump - Vacuum	20	04/03/07	04/30/07																																																												
XE_2970	REQD: Near Hall Beneficial Occupancy	0		04/30/07																																																												
XE_2972	AVAIL: NH Turbo Pump - Vacuum	0		04/30/07																																																												
XE_30008	AVAIL: Far Hall Turbo Pump - Vacuum	0		04/30/07																																																												
XE_2973	REQD: Far Hall Beneficial Occupancy	0		08/02/07																																																												
<b>1.06.03.02.05 Gauges - Vacuum</b>																																																																
XE_800	Specification Gauges - Vacuum	40	08/24/06	10/19/06																																																												
XE_810	VACUUM GAUGES	237	08/24/06	08/02/07																																																												
XE_801	Design Gauges - Vacuum	40	10/20/06	12/18/06																																																												
XE_802	Design Review Gauges - Vacuum	5	12/19/06	12/26/06																																																												
XE_803	COMP: Design Gauges - Vacuum	0		12/26/06																																																												
XE_804	Prep Bid Pkg Gauges - Vacuum	5	12/27/06	01/03/07																																																												
XE_805	Bid Process Gauges - Vacuum	20	01/04/07	02/01/07																																																												
XE_807	AWARD: Contract Gauges - Vacuum	1	02/02/07	02/02/07																																																												
XE_808	Vendor Fab/Ship Gauges - Vacuum	40	02/05/07	04/02/07																																																												
XE_809	RECV: Gauges - Vacuum	0		04/02/07																																																												
XE_819	Assemble Far Hall Gauges - Vacuum	5	04/03/07	04/09/07																																																												
XE_829	Assemble Near Hall Gauges - Vacuum	5	04/03/07	04/09/07																																																												
XE_816	REQD: Near Hall Beneficial Occupancy	0		04/09/07																																																												
XE_834	AVAIL: Far Hall Gauges - Vacuum	0		04/09/07																																																												
XE_836	AVAIL: Near Hall Gauges - Vacuum	0		04/09/07																																																												
XE_824	REQD: Far Hall Beneficial Occupancy	0		08/02/07																																																												
<b>1.06.03.03 Experimental Chambers</b>																																																																
<b>1.06.03.03.01 Near Hall Experimental Chamber</b>																																																																
XE_5300	Specification Near Hall - Experimental Chamber	40	02/28/06	04/24/06																																																												





Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.06.03.03.02 Far Hall Experimental Chamber</b>																																																																
XE_5424	AVAIL: Far Hall Experimental Chamber	0		03/26/07	AVAIL: Far Hall Experimental Chambe																																																											
XE_5414	REQD: Far Hall Beneficial Occupancy	0		08/02/07	REQD: Far Hall Beneficial Occupanc																																																											
<b>1.06.04 Laser Subsystem</b>																																																																
<b>1.06.04.01 Oscillator Laser &amp; Pump</b>																																																																
<b>1.06.04.01.01 Near Hall Oscillator Laser &amp; Pump</b>																																																																
XE_701	Specification Near Hall - Oscillator Laser/Pump	40	02/13/06	04/10/06	Specification Near Hall - Oscillator Laser/Pump																																																											
XE_721	NEAR HALL OSCILLATOR LASER/PUMP	575	02/13/06	05/27/08	NEAR HALL OSCILLATOR LASER/PUMP																																																											
XE_750	Give Specs for Near Hall Laser Room to CF	0		04/10/06	Give Specs for Near Hall Laser Room to CF																																																											
XE_702	Design Near Hall - Oscillator Laser/Pump	80	04/11/06	08/02/06	Design Near Hall - Oscillator Laser/Pump																																																											
XE_714	Procure Near Hall Laser Tables	120	04/11/06	09/28/06	Procure Near Hall Laser Tables																																																											
XE_703	Design Review Near Hall - Oscillator Laser/Pump	10	08/03/06	08/16/06	Design Review Near Hall - Oscillator Las																																																											
XE_704	COMP: Design Near Hall - Oscillator Laser/Pump	0		08/16/06	COMP: Design Near Hall - Oscillator La																																																											
XE_M19	Laser System Final Design Review	0		08/16/06	Laser System Final Design Review																																																											
XE_705	Prep Bid Pkg Near Hall - Oscillator Laser/Pump	10	08/17/06	08/30/06	Prep Bid Pkg Near Hall - Oscillator Lase																																																											
XE_706	Bid Process Near Hall - Oscillator Laser/Pump	20	08/31/06	09/28/06	Bid Process Near Hall - Oscillator Las																																																											
XE_707	AWARD: Contract Near Hall - Oscillator Laser/Pu	1	09/29/06	09/29/06	AWARD: Contract Near Hall - Oscillate																																																											
MS3_XE020	Laser System Final Design Review Completed	0		11/30/06*	Laser System Final Design Review Complete																																																											
XE_M23	Award NH and FH Oscillator Laser/Pump	0		01/09/07	Award NH and FH Oscillator Laser/Pump																																																											
MS3_XE025	Award NH and FH Oscillator Laser/Pump	0		02/28/07*	Award NH and FH Oscillator Laser/Pump																																																											
XE_708	Vendor Fab/Ship Near Hall - Oscillator Laser/Pum	120	03/01/07	08/17/07	Vendor Fab/Ship Near Hall - Oscillator Laser/Pu																																																											
SSXE_0105	Laser Installation and Commissioning	289*	04/03/07	05/27/08	Laser Installation and Commissioning																																																											
XE_709	RECV: Near Hall Oscillator Laser/Pump	0		08/17/07	RECV: Near Hall Oscillator Laser/Pump																																																											
XE_711	REQD: Near Hall Beneficial Occupancy	0		08/17/07	REQD: Near Hall Beneficial Occupancy																																																											
XE_720	REQD: Diagnostics for Laser Demo	0		08/17/07	REQD: Diagnostics for Laser Demo																																																											
XE_731	AVAIL: Near Hall Oscillator Laser/Pump	0		08/17/07	AVAIL: Near Hall Oscillator Laser/Pump																																																											
<b>1.06.04.01.02 Far Hall Oscillator Laser &amp; Pump</b>																																																																
XE_5503	Specification Far Hall - Oscillator Laser/Pump	40	02/13/06	04/10/06	Specification Far Hall - Oscillator Laser/Pump																																																											

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.06.04.01.02 Far Hall Oscillator Laser &amp; Pump</b>																																																																
XE_5523	FAR HALL OSCILLATOR LASER/PUMP	372	02/13/06	08/02/07	FAR HALL OSCILLATOR LASER/PUMP																																																											
XE_5533	Give Specs for Far Hall Laser Room to CF	0		04/10/06	Give Specs for Far Hall Laser Room to CF																																																											
XE_5504	Design Far Hall - Oscillator Laser/Pump	80	04/11/06	08/02/06	Design Far Hall - Oscillator Laser/Pump																																																											
XE_5505	Design Review Far Hall - Oscillator Laser/Pump	5	08/03/06	08/09/06	Design Review Far Hall - Oscillator Laser/Pump																																																											
XE_5506	COMP: Design Far Hall Oscillator Laser/Pump	0		11/30/06	COMP: Design Far Hall Oscillator Laser/Pump																																																											
XE_5507	Prep Bid Pkg Far Hall - Oscillator Laser/Pump	5	12/01/06	12/07/06	Prep Bid Pkg Far Hall - Oscillator Laser/Pump																																																											
XE_5508	Bid Process Far Hall - Oscillator Laser/Pump	20	12/08/06	01/08/07	Bid Process Far Hall - Oscillator Laser/Pump																																																											
XE_5509	AWARD: Contract Far Hall - Oscillator Laser/Pump	1	01/09/07	01/09/07	AWARD: Contract Far Hall - Oscillator Laser/Pump																																																											
XE_5510	Vendor Fab/Ship Far Hall - Oscillator Laser/Pump	120	01/10/07	06/29/07	Vendor Fab/Ship Far Hall - Oscillator Laser/Pump																																																											
XE_5511	RECV: Far Hall Oscillator Laser/Pump	0		06/29/07	RECV: Far Hall Oscillator Laser/Pump																																																											
XE_5543	AVAIL: Far Hall Oscillator Laser/Pump	0		06/29/07	AVAIL: Far Hall Oscillator Laser/Pump																																																											
XE_5513	REQD: Far Hall Beneficial Occupancy	0		08/02/07	REQD: Far Hall Beneficial Occupancy																																																											
<b>1.06.04.02 Laser Diagnostics</b>																																																																
XE_4000	Specification - Laser Diagnostics	60	04/11/06	07/05/06	Specification - Laser Diagnostics																																																											
XE_4040	LASER DIAGNOSTICS	201	04/11/06	01/26/07	LASER DIAGNOSTICS																																																											
XE_4001	Design - Laser Diagnostics	40	07/06/06	08/30/06	Design - Laser Diagnostics																																																											
XE_4003	Safety Review - Laser Diagnostics	10	08/31/06	09/14/06	Safety Review - Laser Diagnostics																																																											
XE_4002	COMP: Design - Laser Diagnostics	0		09/14/06	COMP: Design - Laser Diagnostics																																																											
XE_4004	Prep Bid Pkg Energy Sensors - Laser Diagnostics	10	09/15/06	09/28/06	Prep Bid Pkg Energy Sensors - Laser Diagnostics																																																											
XE_4005	Prep Bid Pkg IR FROG - Laser Diagnostics	10	09/15/06	09/28/06	Prep Bid Pkg IR FROG - Laser Diagnostics																																																											
XE_4006	Prepare Bid Pkg Fast Diodes - Laser Diagnostics	10	09/15/06	09/28/06	Prepare Bid Pkg Fast Diodes - Laser Diagnostics																																																											
XE_4025	Prep Bid Pkg Oscillo Scope - Laser Diagnostics	10	09/15/06	09/28/06	Prep Bid Pkg Oscillo Scope - Laser Diagnostics																																																											
XE_4026	Prep Bid Pkg Autocorrelators - Laser Diagnostic	10	09/15/06	09/28/06	Prep Bid Pkg Autocorrelators - Laser Diagnostic																																																											
XE_4007	Bid Process Energy Sensors - Laser Diagnostics	40	09/29/06	11/27/06	Bid Process Energy Sensors - Laser Diagnostics																																																											
XE_4008	Bid Process IR FROG - Laser Diagnostics	40	09/29/06	11/27/06	Bid Process IR FROG - Laser Diagnostics																																																											
XE_4009	Bid Process Fast Diodes - Laser Diagnostics	40	09/29/06	11/27/06	Bid Process Fast Diodes - Laser Diagnostics																																																											

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.06.04.02 Laser Diagnostics</b>																																																																
XE_4028	Bid Process Oscillo Scope - Laser Diagnostics	40	09/29/06	11/27/06	Bid Process Oscillo Scope - Laser Diagnostic																																																											
XE_4029	Bid Process Autocorrelators - Laser Diagnostics	40	09/29/06	11/27/06													Bid Process Autocorrelators - Las																																															
XE_4010	AWARD: Contract Energy Sensors - Laser Diagnost	1	11/28/06	11/28/06																									AWARD: Contract Energy Sensors																																			
XE_4011	AWARD: Contract - IR FROG - Laser Diagnostics	1	11/28/06	11/28/06	AWARD: Contract - IR FROG - Laser Diagnostics																																																											
XE_4012	AWARD: Contract - Fast Diodes - Laser Diagnosti	1	11/28/06	11/28/06	AWARD: Contract - Fast Diodes - Laser Diagnosti																																																											
XE_4031	AWARD: Contract Oscilloscope- Laser Diagnostics	1	11/28/06	11/28/06																									AWARD: Contract Oscilloscope- La																																			
XE_4032	AWARD: Contract Autocorrelator - Laser Diagnos	1	11/28/06	11/28/06	AWARD: Contract Autocorrelator - Laser Diagnos																																																											
XE_4013	Vendor Fab/Ship Energy Sensor - Laser Diagnostic	40	11/29/06	01/26/07																									Vendor Fab/Ship Energy Sensor																																			
XE_4014	Vendor Ship IR FROG- Laser Diagnostics	40	11/29/06	01/26/07	Vendor Ship IR FROG- Laser Diagnostic																																																											
XE_4015	Vendor Fab/Ship Fast Diodes - Laser Diagnostics	40	11/29/06	01/26/07	Vendor Fab/Ship Fast Diodes - Laser Diagnostic																																																											
XE_4034	Vendor Fab/Ship Oscillo Scope - Laser Diagnost	40	11/29/06	01/26/07	Vendor Fab/Ship Oscillo Scope - Laser Diagnost																																																											
XE_4035	Vendor Ship Autocorrelators - Laser Diagnostics	40	11/29/06	01/26/07	Vendor Ship Autocorrelators - Laser Diagnostic																																																											
XE_4016	RECV: Energy Sensors - Laser Diagnostics	0		01/26/07	RECV: Energy Sensors - Laser Diagnostic																																																											
XE_4017	RECV: IR FROG - Laser Diagnostics	0		01/26/07	RECV: IR FROG - Laser Diagnostic																																																											
XE_4018	RECV: Fast Diodes - Laser Diagnostics	0		01/26/07	RECV: Fast Diodes - Laser Diagnostic																																																											
XE_4019	REQD: Near Hall Beneficial Occup - Laser Diag	0		01/26/07	REQD: Near Hall Beneficial Occup - Laser Dia																																																											
XE_4037	RECV: Oscillo Scope - Laser Diagnostics	0		01/26/07	RECV: Oscillo Scope - Laser Diagnostic																																																											
XE_4038	RECV: Autocorrelators - Laser Diagnostics	0		01/26/07	RECV: Autocorrelators - Laser Diagnostic																																																											
XE_4048	AVAIL: Laser Diagnostics	0		01/26/07																									AVAIL: Laser Diagnostics																																			
<b>1.06.04.03 Laser Supplies &amp; Optical Transport</b>																																																																
XE_6000	Specification - Laser Supp/Optic Transport	40	04/11/06	06/06/06																									Specification - Laser Supp/Optic Transport																																			
XE_6010	LASER SUPPLIES / OPTICS TRANSPORT	221	04/11/06	02/26/07																									LASER SUPPLIES / OPTICS TI																																			
XE_6001	Design - Laser Supp/Optic Transport	80	06/07/06	09/28/06																									Design - Laser Supp/Optic Transport																																			
XE_6003	COMP: Design Laser Supp/Optic Transport	0		09/28/06	COMP: Design Laser Supp/Optic Transpor																																																											
XE_6004	Prep Bid Pkg Lenses & Mirrors - Laser Supplies	10	09/29/06	10/12/06																									Prep Bid Pkg Lenses & Mirrors - Lase																																			
XE_6060	Prep Bid Pkg Optic Tables (4) - Laser Supplies	10	09/29/06	10/12/06	Prep Bid Pkg Optic Tables (4) - Laser Supplies																																																											

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08																																			
<b>1.06.04.03 Laser Supplies &amp; Optical Transport</b>																																																																																								
XE_6065	Prep Bid Pkg Cabinets - Laser Supplies	10	09/29/06	10/12/06																									Prep Bid Pkg Cabinets - Laser Supplies																																																											
XE_6055	Prep Bid Pkg Shielding/Contain - Laser Supplies	20	09/29/06	10/26/06																																					Prep Bid Pkg Shielding/Contain - La																																															
XE_6005	Bid Process Lenses & Mirrors - Laser Supplies	20	10/13/06	11/09/06																									Bid Process Lenses & Mirrors - Laser Supplie																																																											
XE_6061	Bid Process Optic Tables (4) - Laser Supplies	20	10/13/06	11/09/06																									Bid Process Optic Tables (4) - Laser Supplie																																																											
XE_6066	Bid Process Cabinets - Laser Supplies	20	10/13/06	11/09/06																									Bid Process Cabinets - Laser Supplie																																																											
XE_6056	Bid Process Shielding/Contain - Laser Supplies	20	10/27/06	11/27/06																									Bid Process Shielding/Contain - Laser Supplie																																																											
XE_6006	AWARD: Contract Lenses & Mirrors-Laser Supplies	1	11/10/06	11/10/06																																					AWARD: Contract Lenses & Mirrors																																															
XE_6062	AWARD: Contract Optic Tables (4) - Laser Suppli	1	11/10/06	11/10/06																									AWARD: Contract Optic Tables (4) - Laser Suppli																																																											
XE_6067	AWARD: Contract Cabinets - Laser Supplies	1	11/10/06	11/10/06																									AWARD: Contract Cabinets - Laser Supplies																																																											
XE_6068	Vendor Fab/Ship Cabinets -Laser Supplies	40	11/13/06	01/11/07																									Vendor Fab/Ship Cabinets -Laser Supplie																																																											
XE_6007	Vendor Fab/Ship Lenses & Mirrors -Laser Supplies	60	11/13/06	02/09/07																																					Vendor Fab/Ship Lenses & Mirr																																															
XE_6063	Vendor Fab/Ship Optic Tables (4) -Laser Supplies	60	11/13/06	02/09/07																									Vendor Fab/Ship Optic Tables (4) -Laser Supplie																																																											
XE_6057	AWARD: Contract Shielding/Contai - Laser Suppli	1	11/28/06	11/28/06																									AWARD: Contract Shielding/Contai - Laser Suppli																																																											
XE_6058	Vendor Fab/Ship Shielding/Conta -Laser Supplies	60	11/29/06	02/26/07																									Vendor Fab/Ship Shielding/Conta -Laser Supplie																																																											
XE_6069	RECV: Cabinets - Laser Supplies	0		01/11/07																																					RECV: Cabinets - Laser Supplies																																															
XE_6008	RECV: Lenses & Mirrors - Laser Supplies	0		02/09/07																																					RECV: Lenses & Mirrors - Laser Supplie																																															
XE_6064	RECV: Optic Tables (4) - Laser Supplies	0		02/09/07																																					RECV: Optic Tables (4) - Laser Supplie																																															
XE_6009	REQD: Near Hall Beneficial Occupancy - LSupp	0		02/26/07																																					REQD: Near Hall Beneficial Occupancy - LSupp																																															
XE_6059	RECV: Shielding/Contain - Laser Supplies	0		02/26/07																																					RECV: Shielding/Contain - Laser Supplie																																															
XE_6079	AVAIL: Laser Supplies	0		02/26/07																																																	AVAIL: Laser Supplies																																			
<b>1.06.04.04 Laser Timing</b>																																																																																								
XE_6020	Specification - Laser Timing	120	11/09/05	05/03/06																																					Specification - Laser Timing																																															
XE_6070	LASER TIMING	435	11/09/05	08/02/07																																					LASER TIMING																																															
XE_6021	Design - Laser Timing	80	05/04/06	08/25/06																																					Design - Laser Timing																																															
XE_6022	Design Review - Laser Timing	10	08/28/06	09/11/06																																					Design Review - Laser Timing																																															
XE_6023	COMP: Design Laser Timing	0		09/11/06																																					COMP: Design Laser Timing																																															

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.06.04.04 Laser Timing</b>																																																																
XE_6024	Prep Bid Pkg Frequency Analyzer - Laser Timing	2	09/12/06	09/13/06																																																	Prep Bid Pkg Frequency Analyzer - Laser Timing											
XE_6025	Bid Process Frequency Analyzer - Laser Timing	20	09/14/06	10/11/06																																																	Bid Process Frequency Analyzer - Laser Timing											
XE_6026	AWARD: Contract Frequency Analyzer-Laser Timing	1	10/12/06	10/12/06																																																	AWARD: Contract Frequency Analyzer-Laser Timing											
XE_6027	Vendor Fab/Ship Frequency Analyzer - Laser Timin	60	10/13/06	01/10/07																																																	Vendor Fab/Ship Frequency Analyzer - Laser Timin											
XE_6028	RECV: Frequency Analyzer - Laser Timing	0		01/10/07																																																	RECV: Frequency Analyzer - Laser Timing											
XE_6031	Optic Table Ready NHall - Laser Timing	5	01/11/07	01/18/07																																																	Optic Table Ready NHall - Laser Timing											
XE_6102	Optic Table Ready Laser Far Hall - Timing	5	01/11/07	01/18/07																																																	Optic Table Ready Laser Far Hall - Timing											
XE_6029	REQD: Near Hall Beneficial Occup - Laser Timing	0		01/18/07																																																	REQD: Near Hall Beneficial Occup - Laser Timing											
XE_6030	REQD: Diagnostics for NHall Laser Demo - Timing	0		01/18/07																																																	REQD: Diagnostics for NHall Laser Demo - Timing											
XE_6080	AVAIL: Near Hall Laser Timing	0		01/18/07																																																	AVAIL: Near Hall Laser Timing											
XE_6110	AVAIL: Far Hall Laser Timing	0		01/18/07																																																	AVAIL: Far Hall Laser Timing											
XE_6100	REQD: Far Hall Beneficial Occup - Laser Timing	0		08/02/07																																																	REQD: Far Hall Beneficial Occup - Laser Timing											
XE_6101	REQD: Diagnostics for Far Hall Laser Demo	0		08/02/07																																																	REQD: Diagnostics for Far Hall Laser Demo											
<b>1.06.04.05 Laser Amplifiers</b>																																																																
<b>1.06.04.05.01 Near Hall Laser Amplifier</b>																																																																
XE_6038	Specification Near Hall - Laser Amplifiers	40	02/13/06	04/10/06																																																	Specification Near Hall - Laser Amplifiers											
SSXE_0100	Laser Design, Procurement and Assembly	383*	02/13/06	08/17/07																																																	Laser Design, Procurement and Assembly											
XE_6078	NEAR HALL LASER AMPLIFIERS	383	02/13/06	08/17/07																																																	NEAR HALL LASER AMPLIFIERS											
XE_6039	Design Near Hall - Laser Amplifiers	80	04/11/06	08/02/06																																																	Design Near Hall - Laser Amplifiers											
XE_6040	Design Review Near Hall - Laser Amplifiers	10	08/03/06	08/16/06																																																	Design Review Near Hall - Laser Amplifiers											
XE_6041	COMP: Design Near Hall - Laser Amplifiers	0		08/16/06																																																	COMP: Design Near Hall - Laser Amplifiers											
XE_6042	Prep Bid Pkg Near Hall - Laser Amplifiers	10	08/17/06	08/30/06																																																	Prep Bid Pkg Near Hall - Laser Amplifiers											
XE_6043	Bid Process Near Hall - Laser Amplifiers	20	08/31/06	09/28/06																																																	Bid Process Near Hall - Laser Amplifiers											
XE_6044	AWARD: Contract Near Hall - Laser Amplifiers	1	09/29/06	09/29/06																																																	AWARD: Contract Near Hall - Laser Amplifiers											
XE_6045	Vendor Fab/Ship Near Hall - Laser Amplifiers	120	10/02/06	03/26/07																																																	Vendor Fab/Ship Near Hall - Laser Amplifiers											
XE_6046	RECV: Near Hall Laser Amplifiers	0		03/26/07																																																	RECV: Near Hall Laser Amplifiers											

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.06.04.05.01 Near Hall Laser Amplifier</b>																																																																
XE_6049	Optic Table Ready NHall - Laser Amplifiers	5	03/27/07	04/02/07	Optic Table Ready NHall - Laser Amplifiers																																																											
XE_6047	REQD: Near Hall Beneficial Occupancy	0		04/02/07	REQD: Near Hall Beneficial Occupancy																																																											
XE_6048	REQD: Diagnostics for Laser Demo	0		04/02/07	REQD: Diagnostics for Laser Demo																																																											
XE_6077	AVAIL: Near Hall Laser Amplifiers	0		04/02/07	AVAIL: Near Hall Laser Amplifier																																																											
<b>1.06.04.05.02 Far Hall Laser Amplifier</b>																																																																
XE_7000	Specification Far Hall - Laser Amplifiers	40	02/13/06	04/10/06	Specification Far Hall - Laser Amplifiers																																																											
XE_7080	FAR HALL LASER AMPLIFIERS	372	02/13/06	08/02/07	FAR HALL LASER AMPLIFIER																																																											
XE_7001	Design Far Hall - Laser Amplifiers	80	04/11/06	08/02/06	Design Far Hall - Laser Amplifiers																																																											
XE_7002	Design Review Far Hall - Laser Amplifiers	5	08/03/06	08/09/06	Design Review Far Hall - Laser Amplifiers																																																											
XE_7003	COMP: Design Far Hall Laser Amplifiers	0		08/09/06	COMP: Design Far Hall Laser Amplifiers																																																											
XE_7004	Prep Bid Pkg Far Hall - Laser Amplifiers	5	08/10/06	08/16/06	Prep Bid Pkg Far Hall - Laser Amplifiers																																																											
XE_7005	Bid Process Far Hall - Laser Amplifiers	20	08/17/06	09/14/06	Bid Process Far Hall - Laser Amplifiers																																																											
XE_7006	AWARD: Contract Far Hall - Laser Amplifiers	1	09/15/06	09/15/06	AWARD: Contract Far Hall - Laser Amplifiers																																																											
XE_7007	Vendor Fab/Ship Far Hall - Laser Amplifiers	120	09/18/06	03/12/07	Vendor Fab/Ship Far Hall - Laser Amplifier																																																											
XE_7008	RECV: Far Hall Laser Amplifiers	0		03/12/07	RECV: Far Hall Laser Amplifiers																																																											
XE_7010	Optic Table Ready FHall - Laser Amplifiers	2	03/13/07	03/14/07	Optic Table Ready FHall - Laser Amplifiers																																																											
XE_7079	AVAIL: Far Hall Laser Amplifiers	0		03/14/07	AVAIL: Far Hall Laser Amplifiers																																																											
XE_7009	REQD: Far Hall Beneficial Occupancy	0		08/02/07	REQD: Far Hall Beneficial Occupancy																																																											
<b>1.06.05 X-Ray Detectors</b>																																																																
<b>1.06.05.01 Beam Imaging</b>																																																																
XE_7016	Specification - Beam Imaging	5	10/03/05	10/07/05	Specification - Beam Imaging																																																											
XE_7056	BEAM IMAGING	337	10/03/05	02/05/07	BEAM IMAGING																																																											
XE_7017	Design - Beam Imaging	5	10/10/05	10/14/05	Design - Beam Imaging																																																											
XE_7018	Design Review - Beam Imaging	5	10/17/05	10/21/05	Design Review - Beam Imaging																																																											
XE_7019	COMP: Design - Beam Imaging	0		10/21/05	COMP: Design - Beam Imaging																																																											
XE_7020	Prep Bid Pkg - Beam Imaging	5	10/24/05	10/28/05	Prep Bid Pkg - Beam Imaging																																																											
XE_7021	Bid Process - Beam Imaging	20	10/31/05	11/29/05	Bid Process - Beam Imaging																																																											

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.06.05.01 Beam Imaging</b>																																																																
XE_7022	AWARD: Contract - Beam Imaging	1	11/30/05	11/30/05																									AWARD: Contract - Beam Imaging																																			
XE_7023	Vendor Fab/Ship - Beam Imaging	80	12/01/05	03/28/06																									Vendor Fab/Ship - Beam Imaging																																			
XE_7024	RECV: Beam Imaging	0		03/28/06																									RECV: Beam Imaging																																			
XE_7025	Assemble - Beam Imaging	5	03/29/06	04/04/06																									Assemble - Beam Imaging																																			
XE_7066	AVAIL: Beam Imaging	0		04/04/06																									AVAIL: Beam Imaging																																			
XE_7026	REQD: Near Hall Beneficial Occupancy	0		10/02/06																									REQD: Near Hall Beneficial Occupanc																																			
XE_M26	Complete X-Ray Detectors Final Design Review	0		02/05/07																									Complete X-Ray Detectors Final Design Review																																			
<b>1.06.05.02 2-D X-Ray Detector</b>																																																																
XE_M07	Complete 2-D X-Ray Detector Statement of Work	0		07/13/04																									Complete 2-D X-Ray Detector Statement of Work																																			
XE_7085	2-D X-RAY DETECTOR	959	07/14/04	05/07/08																									2-D X-RAY DETECTOR																																			
MS3_XE030	Complete 2-D X-Ray Detector Statement of Work	0		08/31/04*																									Complete 2-D X-Ray Detector Statement of Work																																			
XE_7055	Specification - 2-D X-Ray Detector	40	11/09/04	01/10/05																									Specification - 2-D X-Ray Detector																																			
SSXE_0200	2-D X-Ray Detector Design and Procurement	866*	11/09/04	04/23/08																									2-D X-Ray Detector Design and Procurement																																			
XE_7059	Prep Bid Pkg - 2-D X-Ray Detector	10	01/11/05	01/25/05																									Prep Bid Pkg - 2-D X-Ray Detector																																			
XE_7075	Engineering - 2-D X-Ray Detector	500	01/11/05	01/04/07																									Engineering - 2-D X-Ray Detector																																			
XE_7060	Bid Process - 2-D X-Ray Detector	10	01/26/05	02/08/05																									Bid Process - 2-D X-Ray Detector																																			
XE_7061	AWARD: Contract - 2-D X-Ray Detector - 1	1	02/09/05	02/09/05																									AWARD: Contract - 2-D X-Ray Detector - 1																																			
XE_751	AWARD: Contract - 2-D X-Ray Detector - 2	1	02/09/05	02/09/05																									AWARD: Contract - 2-D X-Ray Detector - 2																																			
XE_M08	Award Initial Funding for 2-D X-Ray Detector	0		02/09/05																									Award Initial Funding for 2-D X-Ray Detector																																			
XE_7062	Contract - Design - 2-D X-Ray Detector	160	02/10/05	09/27/05																									Contract - Design - 2-D X-Ray Detector																																			
MS3_XE035	Award Initial Funding for 2-D X-Ray Detector	0		02/16/05*																									Award Initial Funding for 2-D X-Ray Detector																																			
XE_7057	Preliminary Design Review - 2-D X-Ray Detector	10	09/28/05	10/11/05																									Preliminary Design Review - 2-D X-Ray Detector																																			
XE_M11	Design Review #1 for 2-D X-Ray Detector	0		10/11/05																									Design Review #1 for 2-D X-Ray Detector																																			
XE_7081	Final Design Review - 2-D X-Ray Detector - 1	10	10/12/05	10/25/05																									Final Design Review - 2-D X-Ray Detector - 1																																			
XE_752	Final Design Review - 2-D X-Ray Detector - 2	10	10/12/05	10/25/05																									Final Design Review - 2-D X-Ray Detector - 2																																			
MS3_XE040	Design Review #2 for 2-D X-Ray Detector	0		12/30/05*																									Design Review #2 for 2-D X-Ray Detector																																			

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.06.05.02 2-D X-Ray Detector</b>																																																																
XE_M14	Design Review #2 for 2-D X-Ray Detector	0		12/30/05																																					◆ Design Review #2 for 2-D X-Ray Detector																							
XE_7072	Contract - Prototype - 2-D X-Ray Detector	180	01/03/06	09/18/06																																					Contract - Prototype - 2-D X-Ray Detector																							
XE_7122	Contract - Produce 1st Rpt - 2-D X-Ray Detector	80	09/19/06	01/12/07																																					Contract - Produce 1st Rpt - 2-D																							
XE_7058	COMP: Design - 2-D X-Ray Detector	0		01/12/07																																					COMP: Design - 2-D X-Ray Detector◆																							
XE_7082	Contract - Test - 2-D X-Ray Detector	140	01/16/07	08/02/07																																					Contract - Test - 2-D X-Ray Detector																							
XE_7112	Contract - Produce Final Report	80	08/03/07	11/27/07																																					Contract - Produce Final Report																							
XE_7092	Contract - Final - 2-D X-Ray Detector	100	11/28/07	04/23/08																																					Contract - Final - 2-D X-Ray Detector																							
XE_7102	Contract - Demo at SLAC - 2-D X-Ray Detector	10	04/24/08	05/07/08																																					Contract - Demo at SLAC - 2-D X-Ray Detector																							
SSXE_0205	2-D X-Ray Detector Demo	0		05/07/08																																					2-D X-Ray Detector Demo◆																							
XE_7063	RECV: 2-D X-Ray Detector	0		05/07/08																																					RECV: 2-D X-Ray Detector◆																							
XE_7083	AVAIL: 2-D X-Ray Detector	0		05/07/08																																					AVAIL: 2-D X-Ray Detector◆																							
<b>1.06.05.03 Beam Intensity</b>																																																																
XE_7029	Specification - Beam Intensity	40	10/03/06	11/29/06																																					Specification - Beam Intensity																							
XE_7069	BEAM INTENSITY	231	10/03/06	08/31/07																																					BEAM INTENSITY																							
XE_7030	Design - Beam Intensity	40	11/30/06	01/29/07																																					Design - Beam Intensity																							
XE_7031	Design Review - Beam Intensity	5	01/30/07	02/05/07																																					Design Review - Beam Intensity																							
XE_7032	COMP: Design - Beam Intensity	0		02/05/07																																					COMP: Design - Beam Intensity◆																							
XE_7033	Prep Bid Pkg - Beam Intensity	5	02/06/07	02/12/07																																					Prep Bid Pkg - Beam Intensity																							
XE_7034	Bid Process - Beam Intensity	20	02/13/07	03/13/07																																					Bid Process - Beam Intensity																							
XE_7035	AWARD: Contract - Beam Intensity	1	03/14/07	03/14/07																																					AWARD: Contract - Beam Intensity																							
XE_7036	Vendor Fab/Ship - Beam Intensity	40	03/15/07	05/09/07																																					Vendor Fab/Ship - Beam Intensity																							
XE_7037	RECV: Beam Intensity	0		05/09/07																																					◆ RECV: Beam Intensity																							
XE_7038	Assemble - Beam Intensity	80	05/10/07	08/31/07																																					Assemble - Beam Intensity																							
XE_7039	REQD: FEE Beneficial Occupancy	0		08/31/07																																					REQD: FEE Beneficial Occupancy◆																							
XE_7089	AVAIL: Beam Intensity	0		08/31/07																																					AVAIL: Beam Intensity◆																							



Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.06.05.04 Streak Camera</b>																																																																
XE_7042	Specification - Streak Camera	40	10/03/05	11/29/05																									■ Specification - Streak Camera																																			
XE_7132	STREAK CAMERA	536	10/03/05	11/15/07													STREAK CAMERA												■																																			
XE_7043	Preliminary Design - Streak Camera	40	11/30/05	01/27/06																									■ Preliminary Design - Streak Camera																																			
XE_7044	Preliminary Design Review - Streak Camera	5	01/30/06	02/03/06																									■ Preliminary Design Review - Streak Camera																																			
XE_7109	Final Design - Streak Camera	40	02/06/06	04/03/06																									■ Final Design - Streak Camera																																			
XE_7110	Final Design Review - Streak Camera	5	04/04/06	04/10/06																									■ Final Design Review - Streak Camera																																			
XE_7045	COMP: Design - Streak Camera	0		04/10/06																									◆ COMP: Design - Streak Camera																																			
XE_7046	Prep Bid Pkg - Streak Camera	5	04/11/06	04/17/06																									■ Prep Bid Pkg - Streak Camera																																			
XE_7047	Bid Process - Streak Camera	20	04/18/06	05/15/06																									■ Bid Process - Streak Camera																																			
XE_7048	AWARD: Contract - Streak Camera	1	05/16/06	05/16/06																									■ AWARD: Contract - Streak Camera																																			
XE_7105	Contract 50% Complete - Streak Camera	100	05/17/06	10/06/06	Contract 50% Complete - Streak Camera												■																																															
XE_7106	Contract 100% Complete - Streak Camera	100	10/09/06	03/05/07	Contract 100% Complete - Streak Camera												■																																															
XE_7107	Produce Report,Contract Complete - Streak Camera	100	03/06/07	07/25/07	Produce Report,Contract Complete - Streak Camera												■																																															
XE_7050	RECV: Streak Camera	0		07/25/07																									◆ RECV: Streak Camera																																			
XE_7051	Assemble at SLAC - Streak Camera	40	07/26/07	09/20/07																									■ Assemble at SLAC - Streak Camera																																			
XE_7049	Inspect/Vendor Setup - Streak Camera	40	09/21/07	11/15/07																									■ Inspect/Vendor Setup - Streak Camera																																			
XE_7052	REQD: Near Hall Beneficial Occupancy	0		11/15/07																									◆ REQD: Near Hall Beneficial Occupancy																																			
XE_7142	AVAIL: Streak Camera	0		11/15/07																									◆ AVAIL: Streak Camera																																			
<b>1.06.06 System Installation &amp; Alignment</b>																																																																
<b>1.06.06.01 Front End Install</b>																																																																
XE_7027	Install FEE - Beam Imaging	20	10/03/06	10/30/06																									■ Install FEE - Beam Imaging																																			
XE_7087	Set Up PC - Beam Imaging	10	10/31/06	11/13/06																									■ Set Up PC - Beam Imaging																																			
XE_7077	Integrate with Controls - Beam Imaging	10	11/14/06	11/29/06	Integrate with Controls - Beam Imaging												■																																															
XE_7028	COMP: Beam Imaging	0		11/29/06																									◆ COMP: Beam Imaging																																			
XE_142	Install FEE Beam Stop Hardware	20	01/12/07	02/09/07																									■ Install FEE Beam Stop Hardware																																			
XE_2218	Install Electronics FEE - Network	40	02/23/07	04/19/07																									■ Install Electronics FEE - Network																																			

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.06.06.01 Front End Install</b>																																																																
XE_107	Install FEE Alarms/Signs - PPS	40	04/16/07	06/11/07																									Install FEE Alarms/Signs - PPS																																			
XE_152	Install Cable Tray FEE - Cabling	40	04/16/07	06/11/07																									Install Cable Tray FEE - Cabling																																			
XE_185	Install FEE Containment/Interlock - PPS	40	04/16/07	06/11/07																									Install FEE Containment/Interlock - PPS																																			
XE_5006	Install FEE Sensors - MPS	40	04/16/07	06/11/07																									Install FEE Sensors - MPS																																			
XE_5012	Install FEE Interlocks - MPS	40	04/16/07	06/11/07																									Install FEE Interlocks - MPS																																			
XE_5023	Install FEE Valves - MPS	40	04/16/07	06/11/07																																					Install FEE Valves - MPS																							
XE_99	Install FEE Detectors - PPS	40	04/16/07	06/11/07																									Install FEE Detectors - PPS																																			
XE_2219	Test FEE - Network	10	04/20/07	05/03/07																																					Test FEE - Network																							
XE_0311	Install FEE Racks & Panels - Cabling	40	04/23/07	06/18/07																									Install FEE Racks & Panels - Cabling																																			
XE_0441	Install FEE Cables - Cabling	40	04/30/07	06/25/07																									Install FEE Cables - Cabling																																			
XE_2239	COMP: FEE Network	0		05/03/07																																					COMP: FEE Network																							
XE_186	Test FEE - PPS	5	06/12/07	06/18/07																																					Test FEE - PPS																							
XE_5013	Test FEE - MPS	5	06/12/07	06/18/07																																					Test FEE - MPS																							
XE_98	COMP: FEE X-RAY PPS	0		06/18/07																																					COMP: FEE X-RAY PPS																							
XE_5022	COMP: FEE MPS	0	06/19/07	06/18/07																																					COMP: FEE MPS																							
XE_0321	Test FEE - Cabling	10	06/26/07	07/10/07																																					Test FEE - Cabling																							
XE_0421	COMP: FEE - Cabling	0		07/10/07																																					COMP: FEE - Cabling																							
XE_7070	Install FEE - Beam Intensity	20	09/04/07	10/01/07																									Install FEE - Beam Intensity																																			
XE_7040	Integrate with Controls - Beam Intensity	20	10/02/07	10/29/07																									Integrate with Controls - Beam Intensity																																			
XE_7041	COMP: Beam Intensity	0		10/29/07																																					COMP: Beam Intensity																							
<b>1.06.06.02 Near Hall Install</b>																																																																
<b>1.06.06.02.01 Near Hall Install Controls</b>																																																																
XE_M27	Start Installation in Near Hall	0	10/03/06																																						Start Installation in Near Hall																							
XE_3019	Install Near Hall Alarms/Signs - X-Ray PPS	20	11/13/06	12/12/06																									Install Near Hall Alarms/Signs - X-Ray PPS																																			
XE_3020	Install Near Hall Containment/Interlock-X-RayPPS	20	11/13/06	12/12/06																									Install Near Hall Containment/Interlock-X-RayPPS																																			
XE_3021	Install Near Hall Detectors - X-Ray PPS	20	11/13/06	12/12/06																									Install Near Hall Detectors - X-Ray PPS																																			

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.06.06.02.01 Near Hall Install Controls</b>																																																																
XE_5043	Install Near Hall Sensors - MPS	20	11/13/06	12/12/06																																					■ Install Near Hall Sensors - MPS																							
XE_5044	Install Near Hall Interlocks - MPS	20	11/13/06	12/12/06																																					■ Install Near Hall Interlocks - MPS																							
XE_5045	Install Near Hall Valves - MPS	20	11/13/06	12/12/06																																					■ Install Near Hall Valves - MPS																							
MS3_XE045	Start Installation in Near Hall	0	11/30/06*																																						◆ Start Installation in Near Hall																							
XE_3022	Test Near Hall - X-Ray PPS	5	12/13/06	12/19/06																																					┌ Test Near Hall - X-Ray PPS																							
XE_5046	Test Near Hall - MPS	5	12/13/06	12/19/06																																					┌ Test Near Hall - MPS																							
XE_3023	COMP: Near Hall X-Ray PPS	0		12/19/06																																					◆ COMP: Near Hall X-Ray PPS																							
XE_M34	Certify Near Hall X-Ray PPS and MPS	0		12/19/06													Certify Near Hall X-Ray PPS and MPS ◆																																															
XE_5047	COMP: Near Hall MPS	0	12/20/06	12/19/06																																					COMP: Near Hall MPS																							
XE_18	Install NH Beam Stop Hardware	20	01/12/07	02/09/07																																					■ Install NH Beam Stop Hardware																							
XE_306	Install Data Storag Near Hall - Beamline Cntrl	20	02/08/07	03/08/07																																					Install Data Storag Near Hall - Beamline Cntrl ■																							
XE_2599	Install Near Hall Data Storage - Beamline Contrl	20	03/22/07	04/18/07																																					Install Near Hall Data Storage - Beamline Contrl ■																							
XE_2621	Install Near Hall R/Trans Stage - Beamline Contr	20	03/22/07	04/18/07																																					Install Near Hall R/Trans Stage - Beamline Contr ■																							
XE_2622	Install Near Hall MC Software - Beamline Control	20	03/22/07	04/18/07																																					Install Near Hall MC Software - Beamline Control ■																							
XE_2720	Install Near Hall Alarms/Signs - Laser PPS	20	04/10/07	05/07/07																																					Install Near Hall Alarms/Signs - Laser PPS ■																							
XE_2721	Install Near Hall Contain/Interlck - Laser PPS	20	04/10/07	05/07/07																																					Install Near Hall Contain/Interlck - Laser PPS ■																							
XE_920	Install Near Hall Alarms/Signs - User Safeguards	20	04/10/07	05/07/07																																					Install Near Hall Alarms/Signs - User Safeguards ■																							
XE_921	Install Near Hall Contain/Interlck - User Safegu	20	04/10/07	05/07/07																																					Install Near Hall Contain/Interlck - User Safegu ■																							
XE_922	Install Near Hall Detectors - User Safeguards	20	04/10/07	05/07/07																																					Install Near Hall Detectors - User Safeguards ■																							
XE_162	Install Cable Tray Near Hall - Cabling	40	04/10/07	06/05/07																																					Install Cable Tray Near Hall - Cabling ■																							
XE_0312	Install Near Hall Racks & Panels - Cabling	40	04/17/07	06/12/07																																					Install Near Hall Racks & Panels - Cabling ■																							
XE_2623	Install Near Hall MC Electronics - Beam Control	20	04/19/07	05/16/07																																					Install Near Hall MC Electronics - Beam Control ■																							
XE_163	Install Cable Near Hall - Cabling	40	04/24/07	06/19/07																																					Install Cable Near Hall - Cabling ■																							
XE_2221	Install Near Hall Electronics - Network	20	05/04/07	06/01/07																																					Install Near Hall Electronics - Network ■																							
XE_2723	Test Near Hall - Laser PPS	5	05/08/07	05/14/07																																					┌ Test Near Hall - Laser PPS																							
XE_923	Test Near Hall - User Safeguards	5	05/08/07	05/14/07																																					Test Near Hall - User Safeguards ■																							



Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.06.06.02.02 Near Hall Install Mech/Vac</b>																																																																
XE_2921	COMP: Near Hall Vacuum Hardware	0		05/07/07																																					COMP: Near Hall Vacuum Hardware																							
XE_2985	COMP: NH Turbo Pump - Vacuum	0		05/07/07																																					COMP: NH Turbo Pump - Vacuum																							
XE_2772	COMP: Near Hall Valve - Vacuum	0		05/08/07																																					COMP: Near Hall Valve - Vacuum																							
XE_2949	COMP: Near Hall Ion Pump -Vacuum	0		05/14/07																																					COMP: Near Hall Ion Pump -Vacuum																							
<b>1.06.06.02.03 Near Hall Install Laser</b>																																																																
XE_6032	Install Diagnostics Near Hall - Laser Timing	20	01/19/07	02/15/07																																					Install Diagnostics Near Hall - Laser Timing																							
XE_4020	Install Energy Sensors - Laser Diagnostics	20	01/29/07	02/26/07																																					Install Energy Sensors - Laser Diagnostic																							
XE_4021	Install IR FROG - Laser Diagnostics	20	01/29/07	02/26/07																																					Install IR FROG - Laser Diagnostic																							
XE_4030	Install Fast Diodes - Laser Diagnostics	20	01/29/07	02/26/07																																					Install Fast Diodes - Laser Diagnostic																							
XE_4041	Install Oscilloscope - Laser Diagnostics	20	01/29/07	02/26/07																																					Install Oscilloscope - Laser Diagnostic																							
XE_4042	Install Autocorrelators - Laser Diagnostics	20	01/29/07	02/26/07																																					Install Autocorrelators - Laser Diagnostic																							
XE_6072	Test Timing System Near Hall - Laser Timing	40	02/16/07	04/13/07																																					Test Timing System Near Hall - Laser Timing																							
XE_4023	Test - Laser Diagnostics	5	02/27/07	03/05/07																																					Test - Laser Diagnostics																							
XE_6011	Install Pipe, Laser Table to X-Ray Hutch-LSupp	20	02/27/07	03/26/07																																					Install Pipe, Laser Table to X-Ray Hutch-LSupp																							
XE_4024	COMP: Laser Diagnostics	0		03/05/07																																					COMP: Laser Diagnostics																							
XE_6015	Test - Optic Transport	5	03/27/07	04/02/07																																					Test - Optic Transport																							
XE_6050	First Install Near Hall - Laser Amplifiers	10	04/03/07	04/16/07																																					First Install Near Hall - Laser Amplifiers																							
XE_6051	Vendor Setup/Demo NHall - Laser Amplifiers	20	04/17/07	05/14/07																																					Vendor Setup/Demo NHall - Laser Amplifier																							
XE_6052	Final Check Near Hall - Laser Amplifiers	5	05/15/07	05/21/07																																					Final Check Near Hall - Laser Amplifiers																							
XE_6036	COMP: Near Hall Laser Timing	0		05/21/07																																					COMP: Near Hall Laser Timing																							
XE_M38	Synchronize NH Laser with LINAC Master Oscillato	0		05/21/07																																					Synchronize NH Laser with LINAC Master Oscillat																							
XE_6053	Test Near Hall - Laser Amplifiers	5	05/22/07	05/29/07																																					Test Near Hall - Laser Amplifier																							
XE_6054	COMP: Near Hall Laser Amplifiers	0		05/29/07																																					COMP: Near Hall Laser Amplifier																							
XE_710	Install Laser Table Near Hall - Oscillator Laser	20	08/20/07	09/17/07																																					Install Laser Table Near Hall - Oscillator Laser																							
XE_740	First Install Near Hall - Oscillator Laser/Pump	10	09/18/07	10/01/07																																					First Install Near Hall - Oscillator Laser/Pump																							
XE_6016	COMP: Laser Supplies/Optic Transport	0		09/28/07																																					COMP: Laser Supplies/Optic Transport																							

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.06.06.02.03 Near Hall Install Laser</b>																																																																
XE_730	Vendor Setup/Demo NHall - Oscillator Laser/Pump	20	10/02/07	10/29/07																									Vendor Setup/Demo NHall - Oscillator Laser/Pump																																			
XE_712	Final Check Near Hall - Oscillator Laser/Pump	5	10/30/07	11/05/07																									Final Check Near Hall - Oscillator Laser/Pump																																			
XE_700	Test Near Hall - Oscillator Laser/Pump	5	11/06/07	11/12/07																									Test Near Hall - Oscillator Laser/Pump																																			
XE_713	COMP: Near Hall Oscillator Laser/Pump	0		11/12/07																									COMP: Near Hall Oscillator Laser/Pump																																			
XE_M31	Laser Operating in Near Hall	0		11/12/07																									Laser Operating in Near Hall																																			
MS3_XE050	Laser Operating in Near Hall	0		01/31/08*																									Laser Operating in Near Hall																																			
<b>1.06.06.02.04 Near Hall Install Detectors</b>																																																																
XE_7053	Install Near Hall - Streak Camera	20	11/16/07	12/17/07																									Install Near Hall - Streak Camera																																			
XE_7073	Integrate with Controls - Streak Camera	20	12/18/07	01/18/08																									Integrate with Controls - Streak Camera																																			
XE_7054	COMP: Streak Camera	0		01/18/08																									COMP: Streak Camera																																			
XE_M29	Complete Near Hall Installation	0		01/18/08																									Complete Near Hall Installation																																			
MS3_XE055	Complete Near Hall Installation	0		04/30/08*																									Complete Near Hall Installation																																			
<b>1.06.06.03 Tunnel Install</b>																																																																
XE_233367	Install Beam Stop Hardware	20	05/23/07	06/20/07																									Install Beam Stop Hardware																																			
XE_2226	Install Tunnel Electronics - Network	10	07/05/07	07/18/07																									Install Tunnel Electronics - Network																																			
XE_420	Install Tunnel Containment/Interlock - X-Ray PPS	20	07/05/07	08/01/07																									Install Tunnel Containment/Interlock - X-Ray PPS																																			
XE_421	Install Tunnel Detectors - X-Ray PPS	20	07/05/07	08/01/07																									Install Tunnel Detectors - X-Ray PPS																																			
XE_5067	Install Tunnel Sensors - MPS	20	07/05/07	08/01/07																									Install Tunnel Sensors - MPS																																			
XE_5068	Install Tunnel Interlocks - MPS	20	07/05/07	08/01/07																									Install Tunnel Interlocks - MPS																																			
XE_5069	Install Tunnel Valves - MPS	20	07/05/07	08/01/07																									Install Tunnel Valves - MPS																																			
XE_172	Install Tunnel Cable Tray - Cabling	40	07/05/07	08/29/07																									Install Tunnel Cable Tray - Cabling																																			
XE_419	Install Tunnel Alarms/Signs - X-Ray PPS	40	07/05/07	08/29/07																									Install Tunnel Alarms/Signs - X-Ray PPS																																			
XE_2227	Test Tunnel - Network	5	07/19/07	07/25/07																									Test Tunnel - Network																																			
XE_2237	COMP: Tunnel - Network	0		07/25/07																									COMP: Tunnel - Network																																			
XE_5070	Test Tunnel - MPS	5	08/02/07	08/08/07																									Test Tunnel - MPS																																			
XE_5071	COMP: Tunnel MPS	0	08/09/07	08/08/07																									COMP: Tunnel MPS																																			



Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.06.06.04.01 Far Hall Install Controls</b>																																																																
XE_0324	Install Cable Tray FH - Cabling	40	08/03/07	09/28/07																									Install Cable Tray FH - Cabling																																			
XE_2627	Programming Far Hall - Beamline Control	80	08/03/07	11/27/07																									Programming Far Hall - Beamline Control																																			
XE_2288	Install Far Hall PCs/Software/Printer - PC Spt	10	08/06/07	08/17/07																									Install Far Hall PCs/Software/Printer - PC Spt																																			
XE_2289	Install Far Hall Domain Server - PC Support	10	08/06/07	08/17/07																									Install Far Hall Domain Server - PC Support																																			
XE_2319	Install Far Hall File Server - PC Support	10	08/06/07	08/17/07																									Install Far Hall File Server - PC Support																																			
XE_2290	Test Far Hall - PC Support	40	08/20/07	10/15/07																									Test Far Hall - PC Support																																			
XE_307	Test High Perf Data Storage - Beamline Control	5	08/31/07	09/07/07																									Test High Perf Data Storage - Beamline Control																																			
XE_447	Test Far Hall - PPS	5	08/31/07	09/07/07																																					Test Far Hall - PPS																							
XE_5094	Test Far Hall - MPS	5	08/31/07	09/07/07																																					Test Far Hall - MPS																							
XE_7531	Test Far Hall - Laser PPS	5	08/31/07	09/07/07																									Test Far Hall - Laser PPS																																			
XE_873	Test Far Hall - User Safeguards	5	08/31/07	09/07/07																									Test Far Hall - User Safeguards																																			
XE_2631	Test Far Hall - Beamline Control	20	08/31/07	09/28/07																									Test Far Hall - Beamline Control																																			
XE_2232	Test Far Hall - Network	40	08/31/07	10/26/07																									Test Far Hall - Network																																			
XE_448	COMP: Far Hall X-Ray PPS	0		09/07/07																									COMP: Far Hall X-Ray PPS																																			
XE_5411	COMP: Far Hall Laser PPS	0		09/07/07																									COMP: Far Hall Laser PPS																																			
XE_874	COMP: Far Hall User Safeguards	0		09/07/07																									COMP: Far Hall User Safeguards																																			
XE_M35	Certify X-Ray PPS and MPS in Far Hall	0		09/07/07																									Certify X-Ray PPS and MPS in Far Hall																																			
XE_5095	COMP: Far Hall MPS	0	09/10/07	09/07/07																																					COMP: Far Hall MPS																							
XE_2632	COMP: Far Hall - Beamline Control	0		09/28/07																									COMP: Far Hall - Beamline Control																																			
XE_0314	Install Far Hall Racks & Panels - Cabling	40	10/01/07	11/27/07																									Install Far Hall Racks & Panels - Cabling																																			
MS3_XE060	Start Installation in Far Hall	0	10/08/07*																										Start Installation in Far Hall																																			
XE_444791	Install Beam Stop Hardware	20	10/08/07	11/02/07																									Install Beam Stop Hardware																																			
XE_2291	COMP: Far Hall - PC Support	0		10/15/07																									COMP: Far Hall - PC Support																																			
XE_2292	Integrate & Test System - PC Support	20	10/16/07	11/12/07																									Integrate & Test System - PC Support																																			
XE_2242	COMP: Far Hall - Network	0		10/26/07																									COMP: Far Hall - Network																																			
XE_2233	Integrate & Test System Far Hall - Network	40	10/29/07	12/26/07																									Integrate & Test System Far Hall - Network																																			



Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.06.06.04.01 Far Hall Install Controls</b>																																																																
XE_2633	Integrate & Test System - Beamline Control	20	11/05/07	12/04/07																									Integrate & Test System - Beamline Control																																			
XE_2293	COMP: System Integrate & Test - PC Support	0		11/12/07																									COMP: System Integrate & Test - PC Support																																			
XE_0334	Install Cable Far Hall - Cabling	40	11/28/07	01/29/08																									Install Cable Far Hall - Cabling																																			
XE_2634	COMP: System Integrate & Test - Beamline Control	0		12/04/07																									COMP: System Integrate & Test - Beamline Control																																			
XE_M33	Complete Beamline Control	0		12/04/07																									Complete Beamline Control																																			
XE_2243	COMP: System Integrate & Test Far Hall-Network	0		12/26/07																									COMP: System Integrate & Test Far Hall-Network																																			
MS3_XE065	Complete Beamline Control	0		12/27/07*																									Complete Beamline Control																																			
XE_0391	COMP: Far Hall Laser Installed Ready - Cabling	0		01/29/08																									COMP: Far Hall Laser Installed Ready - Cabling																																			
XE_0381	Install Cable to Far Hall Laser - Cabling	5	01/30/08	02/05/08																									Install Cable to Far Hall Laser - Cabling																																			
XE_0361	Test Far Hall - Cabling	20	02/06/08	03/05/08																									Test Far Hall - Cabling																																			
XE_0431	COMP: Far Hall - Cabling	0		03/05/08																									COMP: Far Hall - Cabling																																			
XE_0331	System Integrate & Test Far Hall - Cabling	20	03/06/08	04/02/08																									System Integrate & Test Far Hall - Cabling																																			
XE_0401	COMP: System Integrate & Test FH - Cabling	0		04/02/08																									COMP: System Integrate & Test FH - Cabling																																			
XE_M36	Complete Network & Cable - Ready to Commission	0		04/02/08																									Complete Network & Cable - Ready to Commission																																			
MS3_XE070	Complete Network & Cable - Ready to Commission	0		05/30/08*																									Complete Network & Cable - Ready to Commission																																			
<b>1.06.06.04.02 Far Hall Install Mech/Vac</b>																																																																
XE_2807	Install Far Hall Valve - Vacuum	5	08/03/07	08/09/07																									Install Far Hall Valve - Vacuum																																			
XE_2928	Install Far Hall - Vacuum Hardware	5	08/03/07	08/09/07																									Install Far Hall - Vacuum Hardware																																			
XE_29722	Install Far Hall Turbo Pump - Vacuum	5	08/03/07	08/09/07																									Install Far Hall Turbo Pump - Vacuum																																			
XE_513	Install Far Hall - Chamber Spt Table	5	08/03/07	08/09/07																									Install Far Hall - Chamber Spt Table																																			
XE_5415	Install Far Hall - Experimental Chamber	5	08/03/07	08/09/07																									Install Far Hall - Experimental Chamber																																			
XE_5488	Leak Check/Test - Experimental Chamber	5	08/03/07	08/09/07																									Leak Check/Test - Experimental Chamber																																			
XE_825	Install Far Hall Gauges - Vacuum	5	08/03/07	08/09/07																									Install Far Hall Gauges - Vacuum																																			
XE_2956	Install Far Hall Ion Pump - Vacuum	10	08/03/07	08/16/07																									Install Far Hall Ion Pump - Vacuum																																			
XE_2777	COMP: Vacuum Valves	0		08/09/07																									COMP: Vacuum Valves																																			
XE_2808	COMP: Far Hall Valve - Vacuum	0		08/09/07																									COMP: Far Hall Valve - Vacuum																																			

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.06.06.04.02 Far Hall Install Mech/Vac</b>																																																																
XE_2929	COMP: Far Hall Vacuum Hardware	0		08/09/07																																																												
XE_2930	COMP: Vacuum Hardware	0		08/09/07																																																												
XE_29723	COMP: Far Hall Turbo Pump - Vacuum	0		08/09/07																																																												
XE_514	COMP: Far Hall Chamber Spt Table	0		08/09/07																																																												
XE_527	COMP: Chamber Support Tables	0		08/09/07																																																												
XE_806	Test Gauges - Vacuum System	60	08/10/07	11/02/07																																																												
XE_2957	COMP: Far Hall Ion Pump - Vacuum	0		08/16/07																																																												
XE_2958	COMP: Ion Pump - Vacuum	0		08/16/07																																																												
XE_5416	COMP: Far Hall Experimental Chamber	0		09/07/07																																																												
XE_826	COMP: Far Hall Gauges - Vacuum	0		11/02/07																																																												
XE_827	COMP: Gauges - Vacuum System	0		11/02/07																																																												
XE_M37	Complete Mechanical & Vacuum - Ready to Commiss	0		11/02/07																																																												
MS3_XE075	Complete Mechanical & Vacuum - Ready to Commiss	0		12/27/07*																																																												
<b>1.06.06.04.03 Far Hall Install Laser</b>																																																																
XE_5517	Install Laser Table Far Hall-Oscillator Laser	5	08/03/07	08/09/07																																																												
XE_6103	Install Diagnostics Far Hall - Laser Timing	20	08/03/07	08/30/07																																																												
XE_6104	Test Timing Far Hall - Laser Timing	40	08/03/07	09/28/07																																																												
XE_5518	First Install Far Hall - Oscillator Laser/Pump	10	08/10/07	08/23/07																																																												
XE_7011	First Install Far Hall - Laser Amplifiers	10	08/10/07	08/23/07																																																												
XE_5519	Vendor Setup/Demo FHall - Oscillator Laser/Pump	20	08/24/07	09/21/07																																																												
XE_7012	Vendor Setup/Demo FHall - Laser Amplifiers	20	08/24/07	09/21/07																																																												
XE_5520	Final Check Far Hall - Oscillator Laser/Pump	5	09/24/07	09/28/07																																																												
XE_7013	Final Check Far Hall - Laser Amplifiers	5	09/24/07	09/28/07																																																												
XE_6106	COMP: Far Hall Laser Timing	0		09/28/07																																																												
XE_M39	Synchronize FH Laser with LINAC Master Oscillato	0		09/28/07																																																												
XE_5521	Test Far Hall - Oscillator Laser/Pum	5	10/01/07	10/05/07																																																												

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.06.06.04.03 Far Hall Install Laser</b>																																																																
XE_7014	Test Far Hall - Laser Amplifiers	5	10/01/07	10/05/07																																					Test Far Hall - Laser Amplifiers																							
XE_5516	COMP: Far Hall Oscillator Laser/Pump	0		10/05/07																																					COMP: Far Hall Oscillator Laser/Pump																							
XE_7015	COMP: Far Hall Laser Amplifiers	0		10/05/07																																					COMP: Far Hall Laser Amplifiers																							
XE_M32	Laser Operating in the Far Hall	0		10/05/07																																					Laser Operating in the Far Hall																							
MS3_XE080	Laser Operating in the Far Hall	0		11/30/07*																																					Laser Operating in the Far Hall																							
<b>1.06.06.04.04 Far Hall Install Detectors</b>																																																																
XE_7064	Install at SLAC - 2-D X-Ray Detector	20	05/08/08	06/05/08																																					Install at SLAC - 2-D X-Ray Detector																							
XE_7076	Integrate with Controls - 2-D X-Ray Detector	20	06/06/08	07/03/08																																					Integrate with Controls - 2-D X-Ray Detector																							
XE_7067	COMP: 2-D X-Ray Detector	0		07/03/08																																					COMP: 2-D X-Ray Detector																							
XE_M40	Complete Acceptance Tests for X-Ray Detectors	0		07/03/08																																					Complete Acceptance Tests for X-Ray Detector																							
MS3_XE085	Complete Acceptance Tests for X-Ray Detectors	0		09/22/08*																																					Complete Acceptance Tests for X-Ray Detector																							
<b>1.09 CONVENTIONAL FACILITIES</b>																																																																
MSB_000	RF Hut Beneficial Occupancy	0		02/28/05*																																					RF Hut Beneficial Occupancy																							
MSB_005	Sector 20 Alcove Beneficial Occupancy	0		07/18/05*																																					Sector 20 Alcove Beneficial Occupancy																							
MSB_010	Magnetic Msmt Facility(MMF) Beneficial Occupancy	0		07/18/05*																																					Magnetic Msmt Facility(MMF) Beneficial Occupancy																							
MSB_025	Research Yards Mods Beneficial Occupancy	0		06/30/06*																																					Research Yards Mods Beneficial Occupancy																							
MSB_050	Near Experimental Hall Beneficial Occupancy	0		09/29/06*																																					Near Experimental Hall Beneficial Occupancy																							
MSB_035	Undulator Facility Beneficial Occupancy	0		12/15/06*																																					Undulator Facility Beneficial Occupancy																							
MSB_040	Front End Enclosure Beneficial Occupancy	0		04/12/07*																																					Front End Enclosure Beneficial Occupancy																							
MSB_045	Beam Dump Beneficial Occupancy	0		04/19/07*																																					Beam Dump Beneficial Occupancy																							
MSB_020	Linac Facility Beneficial Occupancy	0		04/30/07*																																					Linac Facility Beneficial Occupancy																							
MSB_030	Beam Transport Hall Beneficial Occupancy	0		07/02/07*																																					Beam Transport Hall Beneficial Occupancy																							
MSB_055	X-Ray Transport Beneficial Occupancy	0		07/02/07*																																					X-Ray Transport Beneficial Occupancy																							
MSB_060	Far Experimental Hall Beneficial Occupancy	0		08/01/07*																																					Far Experimental Hall Beneficial Occupancy																							
MSB_065	Central Lab Office Ctr Beneficial Occupancy	0		03/31/08*																																					Central Lab Office Ctr Beneficial Occupancy																							
MSB_015	Main Control Center (MCC) Beneficial Occupancy	0		05/30/08*																																					Main Control Center (MCC) Beneficial Occupancy																							

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.09.01 System Management &amp; Integration</b>																																																																
CF02010000	Start Conventional Facilities	0	10/01/03A																																																													
CF_LOE	CF LOE Complete	0		09/30/08																																																	CF LOE Complete											
CF02010005	Complete Conventional Facilities	0	10/01/08																																																		Complete Conventional Facilities											
<b>1.09.01.01 Management</b>																																																																
CF02010010	Management - PED	128*	04/01/04A	09/30/04	Management - PED																																																											
CF02010012	Travel - FY04	128*	04/01/04A	09/30/04	Travel - FY04																																																											
CF02010011	Software - PED	244*	04/01/04A	03/22/05	Software - PED																																																											
CF02010013	Management - CONST	993	10/01/04	09/15/08																																																	M											
CF02010014	Travel - FY05-08	1,004	10/01/04	09/30/08																																																	T											
CF02010016	Software - CONST	742	03/23/05	03/05/08	Software - CONST																																																											
<b>1.09.01.02 Cost Account Managers</b>																																																																
CF02010015	Cost Account Managers-Phase I	128*	04/01/04A	09/30/04	Cost Account Managers-Phase I																																																											
CF02010017	Cost Account Managers-Phase II	990	10/01/04	09/10/08																																																	C											
<b>1.09.01.03 Construction Management</b>																																																																
CF02010020	Construction Management	828	06/01/05*	09/15/08																																																	C											
<b>1.09.01.04 Mechanical Design (MD)</b>																																																																
<b>1.09.01.04.01 Mechanical Design Title 1 (Linac not included)</b>																																																																
CF04011010	Mechanical Design Support for Title 1 Design	41*	03/01/04A	04/26/04A	Mechanical Design Support for Title 1 Design																																																											
CF05011010	Mechanical Design Support for Title 1 Design	41*	03/01/04A	04/26/04A	Mechanical Design Support for Title 1 Design																																																											
CF06011010	Mechanical Design Support for Title 1 Design	41*	03/01/04A	04/26/04A	Mechanical Design Support for Title 1 Design																																																											
CF07011010	Mechanical Design Support for Title 1 Design	41*	03/01/04A	04/26/04A	Mechanical Design Support for Title 1 Design																																																											
CF08011010	Mechanical Design Support for Title 1 Design	41*	03/01/04A	04/26/04A	Mechanical Design Support for Title 1 Design																																																											
CF09011010	Mechanical Design Support for Title 1 Design	41*	03/01/04A	04/26/04A	Mechanical Design Support for Title 1 Design																																																											
CF11011011	Mechanical Design Support for Title 1 Design	41*	03/01/04A	04/26/04A	Mechanical Design Support for Title 1 Design																																																											
CF13011010	Mechanical Design Support for Title 1 Design	41*	03/01/04A	04/26/04A	Mechanical Design Support for Title 1 Design																																																											
<b>1.09.01.04.02 Mechanical Design T1 Linac Facilities</b>																																																																
CF03010125	Mechan Design Support Pre-Title 1 Linac Facility	24	10/04/04	11/04/04	Mechan Design Support Pre-Title 1 Linac Facility																																																											





Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	Funding																		
					FY04			FY05			FY06			FY07			FY08						
<b>1.09.01.05.01 SEM Engineering Title 1(Linac Not Included)</b>																							
CF02010120	RF Hut Develop Design Criteria	10	11/25/03A	12/10/03A																			
CF02010112	Alcove Mods Design Criteria Complete	0		12/02/03A																			
CF02010122	RF Hut User Review & Approval	5	12/11/03A	12/17/03A																			
CF04010114	Review Schedule Beam Transport Mods	5	12/15/03A	12/19/03A																			
CF05010114	Review Schedule Research Yard Mods	5	12/15/03A	12/19/03A																			
CF12010110	MMF User Review & Approval	25	12/17/03A	01/30/04A																			
CF02010132	RF Hut Design Criteria Complete	0		12/17/03A																			
CF04010108	Utility investigation Beam Transport Mods	20	12/20/03A	01/20/04A																			
CF05010108	Utility investigation Research Yard Mods	20	12/20/03A	01/20/04A																			
CF06010108	Utility investigation Undulator Facility Mods	20	12/20/03A	01/20/04A																			
CF07010108	Utility investigation FEE Mods	20	12/20/03A	01/20/04A																			
CF08010108	Utility investigation Beam Dump Mods	20	12/20/03A	01/20/04A																			
CF09010108	Utility investigation NEH Mods	20	12/20/03A	01/20/04A																			
CF10010108	Utility investigation Tunnel Mods	20	12/20/03A	01/20/04A																			
CF11010108	Utility investigation FEH Mods	20	12/20/03A	01/20/04A																			
CF13010108	Utility investigation CLOC Mods	20	12/20/03A	01/20/04A																			
CF02010212	Sector 20 Prepare AE RFP Package	5	12/23/03A	01/07/04A																			
CF04010116	Review Budget/Constructibility Beam Transprt Mod	5	01/05/04A	01/09/04A																			
CF04010120	Prepare Title 1 Package for Award Beam Transport	5	01/05/04A	01/09/04A																			
CF05010116	Review Budget/Constructibility Research Yard Mod	5	01/05/04A	01/09/04A																			
CF05010120	Prepare Title 1 Package for Award Research Yard	5	01/05/04A	01/09/04A																			
CF06010114	Review Schedule Undulator Facility Mods	5	01/05/04A	01/09/04A																			
CF06010116	Review Budget/Constructibility Undulator Fac Mod	5	01/05/04A	01/09/04A																			
CF06010120	Prepare Title 1 Package for Award Undulator Fac	5	01/05/04A	01/09/04A																			
CF07010114	Review Schedule FEE Mods	5	01/05/04A	01/09/04A																			
CF07010116	Review Budget/Constructibility FEE Mod	5	01/05/04A	01/09/04A																			





Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.09.01.05.01 SEM Engineering Title 1(Linac Not Included)</b>																																																																
CF13010110	Consultant kick-off/prep CLOC Mods	3	01/15/04A	01/16/04A																																																												
CF12010112	MMF Design Criteria Complete	0		01/30/04A																																																												
CF02010232	Sector 20 AE Jobwalk	5	02/02/04A	02/06/04A																																																												
CF12010114	MMF Prepare AE RFP Package	5	02/02/04A	02/06/04A																																																												
CF02010242	Sector 20 AE Bids Due	0		02/06/04A																																																												
CF12010120	MMF AE Bids Due	0		02/06/04A																																																												
CF02010252	Sector 20 AE Selection	1	02/09/04A	02/09/04A																																																												
CF12010116	MMF Submit RFP	5	02/09/04A	02/13/04A																																																												
CF12010125	MMF AE Selection	5	02/09/04A	02/13/04A																																																												
CF02010262	Sector 20 Notice To Proceed	0		02/09/04A																																																												
CF02010272	Sector 20 Title 1 Commence	0		02/09/04A																																																												
CF12010118	MMF AE Jobwalk	1	02/17/04A	02/17/04A																																																												
CF12010130	MMF Notice to Proceed	4	02/17/04A	02/20/04A																																																												
CF14010100	Start MCC Conventional Project	0	10/03/05		◆ Start MCC Conventional Project																																																											
CF14010104	MCC Initial Receipt User Reqs.	5	10/03/05	10/07/05	■ MCC Initial Receipt User Reqs.																																																											
CF14010102	MCC Field Survey	9	10/03/05	10/13/05	■ MCC Field Survey																																																											
CF14010106	MCC Prepare as Builts	10	10/07/05	10/20/05	■ MCC Prepare as Builts																																																											
CF14010108	MCC Develop Design Criteria	10	10/25/05	11/07/05	■ MCC Develop Design Criteria																																																											
CF14010110	MCC User Review & Approval	5	11/08/05	11/14/05	■ MCC User Review & Approval																																																											
CF14010112	MCC Design Criteria Complete	0		11/14/05	◆ MCC Design Criteria Complete																																																											
CF14010114	MCC Prepare AE RFP Package	5	11/15/05	11/21/05	■ MCC Prepare AE RFP Package																																																											
CF14010116	MCC Submit RFP	5	11/22/05	11/30/05	■ MCC Submit RFP																																																											
CF14010118	MCC AE Jobwalk	1	12/01/05	12/01/05	■ MCC AE Jobwalk																																																											
CF14010120	MCC AE Bids Due	0		12/01/05	◆ MCC AE Bids Due																																																											
CF14010125	MCC AE Selection	5	12/02/05	12/08/05	■ MCC AE Selection																																																											
CF14010130	MCC Notice to Proceed	4	12/09/05	12/14/05	■ MCC Notice to Proceed																																																											

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.09.01.05.01 SEM Engineering Title 1(Linac Not Included)</b>																																																																
CF14010135	MCC Title 1 Commence	0		12/14/05																																																												
<b>1.09.01.05.02 SEM Engineering Title 1 Linac Facility</b>																																																																
CF03010102	Establish User Scope of Work/Approval	50	04/23/03A	07/02/03A																																																												
CF03010104	Develop as-built package Linac Facility	10	10/04/04	10/15/04																																																												
CF03010108	Utility investigation Linac Facility	10	10/04/04	10/15/04																																																												
CF03010114	Review Schedule Linac Facility	5	10/18/04	10/22/04																																																												
CF03010116	Review Budget/Constructibility Linac Facility	5	10/18/04	10/22/04																																																												
CF03010118	User meeting Linac Facility	5	10/25/04	10/29/04																																																												
CF03010120	Prepare Title 1 Package for Award Linac Facility	5	11/01/04	11/05/04																																																												
CF03011005	Basis of Design Linac Facility	15	11/08/04	11/30/04																																																												
CF03011130	Prelim Meet SLAC Radiation Physics Dept T1	0	11/19/04																																																													
CF03011030	AVAIL: Prelim Cost Estimate for Design CF Linac	0	12/15/04	12/14/04																																																												
CF03011105	Schematic Design Review 1 Linac T1	5	12/23/04	01/03/05																																																												
CF03011115	Schematic Design Review 2 Linac T1	5	01/31/05	02/04/05																																																												
CF03011140	Final Schematic Design Review Linac T1	10	03/22/05	04/04/05																																																												
CF03011150	Title 1 Complete Linac Facility	0	04/05/05	04/04/05																																																												
<b>1.09.01.05.03 SEM Engineering Title 2 (Linac Not Included)</b>																																																																
CF04012097	COMP:Value Engineering Beam Transport Hall	0		03/31/04A																																																												
CF05012096	COMP:Value Engineering Research Yard Mods	0		03/31/04A																																																												
CF07012097	COMP:Value Engineering Front End Enclosure	0		03/31/04A																																																												
CF08012097	COMP:Value Engineering Beam Dump	0		03/31/04A																																																												
CF09012097	COMP: Value Engineering (NEH)	0		03/31/04A																																																												
CF10012097	COMP:Value Engineering Tunnel	0		03/31/04A																																																												
CF11012097	COMP:Value Engineering (FEH)	0		03/31/04A																																																												
CF02010205	User mtg.- interior layout details Sector 20 Inj	52*	04/15/04A	06/28/04A																																																												
CF04010205	User mtg.-interior layout details Beam Transport	20	05/03/04A	05/28/04A																																																												

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.09.01.05.03 SEM Engineering Title 2 (Linac Not Included)</b>																																																																
CF05010205	User mtg.-interior layout details Research Yard	20	05/03/04A	05/28/04A	■ User mtg.-interior layout details Research Yard																																																											
CF06010205	User mtg. - interior layout details UF	20	05/03/04A	05/28/04A	■ User mtg. - interior layout details UF																																																											
CF07010205	User mtg. - interior layout details FEE	20	05/03/04A	05/28/04A	■ User mtg. - interior layout details FEE																																																											
CF08010205	User mtg. - interior layout details Beam Dump	20	05/03/04A	05/28/04A	■ User mtg. - interior layout details Beam Dump																																																											
CF09010205	User mtg. - interior layout details (NEH)	20	05/03/04A	05/28/04A	■ User mtg. - interior layout details (NEH)																																																											
CF11010205	User mtg. - interior layout details (FEH)	20	05/03/04A	05/28/04A	■ User mtg. - interior layout details (FEH)																																																											
CF13010205	User mtg. - interior layout details CLOC	20	05/03/04A	05/28/04A	■ User mtg. - interior layout details CLOC																																																											
CF12010210	MMF Telecom Requirements	5	05/13/04A	06/03/04A	■ MMF Telecom Requirements																																																											
CF12010205	MMF User mtg. - interior layout details	15	05/13/04A	06/10/04A	■ MMF User mtg. - interior layout details																																																											
CF12010215	MMF User Review and Approval	1	05/13/04A	06/01/04	■ MMF User Review and Approval																																																											
CF13012097	COMP:Value Engineering Central Lab Office Ctr	0		05/14/04A	◆ COMP:Value Engineering Central Lab Office Ctr																																																											
CF02010210	Telecom Requirements Sector 20 Inj Facility	5	06/28/04A	06/30/04A	■ Telecom Requirements Sector 20 Inj Facility																																																											
CF02010215	User Review and Approval Sector 20 Inj Facility	1	06/01/04	06/01/04	■ User Review and Approval Sector 20 Inj Facility																																																											
CF02010220	Alcove/RF Hut Title 2 Commence	0		06/01/04	◆ Alcove/RF Hut Title 2 Commence																																																											
CF04010210	Telecom Requirements Beam Transport Hall	5	09/03/04*	09/10/04	■ Telecom Requirements Beam Transport Hall																																																											
CF04010215	User Review and Approval Beam Transport Hall	5	09/03/04	09/10/04	■ User Review and Approval Beam Transport Hall																																																											
CF05010210	Telecom Requirements Research Yard Mods	5	09/03/04*	09/10/04	■ Telecom Requirements Research Yard Mods																																																											
CF05010215	User Review and Approval Research Yard Mods	5	09/03/04	09/10/04	■ User Review and Approval Research Yard Mods																																																											
CF06010210	Telecom Requirements Undulator Facility	5	09/03/04*	09/10/04	■ Telecom Requirements Undulator Facility																																																											
CF06010215	User Review and Approval Undulator Facility	5	09/03/04	09/10/04	■ User Review and Approval Undulator Facility																																																											
CF07010210	Telecom Requirements Front End Enclosure	5	09/03/04*	09/10/04	■ Telecom Requirements Front End Enclosure																																																											
CF07010215	User Review and Approval Front End Enclosure	5	09/03/04	09/10/04	■ User Review and Approval Front End Enclosure																																																											
CF08010210	Telecom Requirements Beam Dump	5	09/03/04*	09/10/04	■ Telecom Requirements Beam Dump																																																											
CF08010215	User Review and Approval Beam Dump	5	09/03/04	09/10/04	■ User Review and Approval Beam Dump																																																											
CF09010210	Telecom Requirements (NEH)	5	09/03/04*	09/10/04	■ Telecom Requirements (NEH)																																																											
CF09010215	User Review and Approval (NEH)	5	09/03/04	09/10/04	■ User Review and Approval (NEH)																																																											

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.09.01.05.03 SEM Engineering Title 2 (Linac Not Included)</b>																																																																
CF11010210	Telecom Requirements (FEH)	5	09/03/04*	09/10/04	I Telecom Requirements (FEH)																																																											
CF11010215	User Review and Approval (FEH)	5	09/03/04	09/10/04	I User Review and Approval (FEH)																																																											
CF13010210	Telecom Requirements Beam Central Lab Office Ctr	5	09/03/04*	09/10/04	I Telecom Requirements Beam Central Lab Office Ctr																																																											
CF13010215	User Review and Approval Central Lab Office Ctr	5	09/03/04	09/10/04	I User Review and Approval Central Lab Office Ctr																																																											
CF02013235	Alcove/RF Hut User Approval & Sign Off	3	09/08/04	09/10/04	I Alcove/RF Hut User Approval & Sign Off																																																											
CF02010520	ESH approval Sector 20 Injector Facility	10	09/08/04	09/21/04	I ESH approval Sector 20 Injector Facility																																																											
CF02013240	Alcove/RF Hut User Approval	0		09/10/04	◆ Alcove/RF Hut User Approval																																																											
CF02010525	Submit requisition for Construct Sector 20 Inj	1	09/22/04	09/22/04	I Submit requisition for Construct Sector 20 Inj																																																											
CF02010530	Approval process for Signature Sector 20 Inj Fac	5	09/23/04	09/29/04	I Approval process for Signature Sector 20 Inj Fac																																																											
CF02010540	Jobwalk Sector 20 Inj Facility	0		09/29/04	◆ Jobwalk Sector 20 Inj Facility																																																											
CF02010535	RFQ Sector 20 Inj Facility	10	09/30/04	10/13/04	I RFQ Sector 20 Inj Facility																																																											
CF02010545	Bids due Sector 20 Inj Facility	0		10/13/04	◆ Bids due Sector 20 Inj Facility																																																											
CF02010555	Alcove/RF Hut Notice To Proceed	10	10/14/04	10/27/04	I Alcove/RF Hut Notice To Proceed																																																											
CF12010555	MMF User Approval & Sign Off	5	10/28/04	11/03/04	I MMF User Approval & Sign Off																																																											
CF02010560	Pework Hazard Analysis Sector 20 Inj Facility	10	10/28/04	11/10/04	I Pework Hazard Analysis Sector 20 Inj Facility																																																											
CF12010520	ESH approval (MMF)	10	10/28/04	11/10/04	I ESH approval (MMF)																																																											
CF12010570	MMF User Approval	0		11/03/04	◆ MMF User Approval																																																											
CF02010565	Kick off Sector 20 Inj Facility	0		11/10/04	◆ Kick off Sector 20 Inj Facility																																																											
CF12010525	Submit requisition for Construction (MMF)	1	11/11/04	11/11/04	I Submit requisition for Construction (MMF)																																																											
CF12010530	Approval process for Signature (MMF)	5	11/12/04	11/18/04	I Approval process for Signature (MMF)																																																											
CF12010540	Jobwalk (MMF)	0		11/18/04	◆ Jobwalk (MMF)																																																											
CF12010535	RFQ (MMF)	10	11/19/04	12/06/04	I RFQ (MMF)																																																											
CF12010545	Bids due (MMF)	0		12/06/04	◆ Bids due (MMF)																																																											
CF12010560	Pework Hazard Analysis (MMF)	5	12/07/04	12/13/04	I Pework Hazard Analysis (MMF)																																																											
CF12010575	MMF Notice to Proceed	5	12/07/04	12/13/04	I MMF Notice to Proceed																																																											
CF12010565	Kick off (MMF)	0		12/13/04	◆ Kick off (MMF)																																																											

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04	FY05	FY06	FY07	FY08
<b>1.09.01.05.03 SEM Engineering Title 2 (Linac Not Included)</b>									
CF10010205	User mtg. - interior layout details Tunnel	15	12/15/04	01/07/05		█ User mtg. - interior layout details Tunnel			
CF10010210	Telecom Requirements Tunnel	5	01/10/05	01/14/05		█ Telecom Requirements Tunnel			
CF10010215	User Review and Approval Tunnel	5	01/18/05	01/24/05		█ User Review and Approval Tunnel			
MSC_CF000	CRIT: Start Procurement for T3 Construction	0	02/01/05*			◆ CRIT: Start Procurement for T3 Construction			
CF05010510	Prequalify Contractors Research Yard - CLOC	20	02/02/05	03/02/05		█ Prequalify Contractors Research Yard - CLOC			
CF05010515	User approval and sign off Research Yard -CLOC	10	03/03/05	03/16/05		█ User approval and sign off Research Yard -CLOC			
CF05010520	ESH approval Research Yard - CLOC	10	05/23/05	06/06/05		█ ESH approval Research Yard - CLOC			
CF05010525	Submit requisition for Construct Res Yard - CLOC	5	05/24/05	05/31/05		█ Submit requisition for Construct Res Yard - CLOC			
CF05010530	Approval Proc for Signature Res Yard - CLOC	20	06/01/05	06/28/05		█ Approval Proc for Signature Res Yard - CLOC			
CF05012100	Prep Pack f/Construction Research Yard - CLOC	10	06/29/05	07/13/05		█ Prep Pack f/Construction Research Yard - CLOC			
CF05010535	RFQ Research Yard - CLOC	10	07/14/05	07/27/05		█ RFQ Research Yard - CLOC			
CF05010540	Jobwalk Research Yard - CLOC	1	07/28/05	07/28/05		█ Jobwalk Research Yard - CLOC			
CF05010545	Bids due Research Yard - CLOC	15	07/29/05	08/18/05		█ Bids due Research Yard - CLOC			
CF05010555	Notice to Proceed Research Yard - CLOC	10	08/19/05	09/01/05		█ Notice to Proceed Research Yard - CLOC			
CF05010560	Pework Hazard Analysis Research Yard - CLOC	10	09/02/05	09/16/05		█ Pework Hazard Analysis Research Yard - CLOC			
CF05010565	Kick off Research Yard - CLOC	5	09/19/05	09/23/05		█ Kick off Research Yard - CLOC			
CF14010205	MCC User mtg. - interior layout details	15	03/21/06	04/10/06		█ MCC User mtg. - interior layout details			
CF14010210	MCC Telecom Requirements	5	04/11/06	04/17/06		█ MCC Telecom Requirements			
CF14010215	MCC User Review and Approval	1	04/18/06	04/18/06		█ MCC User Review and Approval			
CF14010555	MCC User Approval & Sign Off	5	07/21/06	07/27/06		█ MCC User Approval & Sign Off			
CF14010520	ESH approval (MCC)	10	07/21/06	08/03/06		█ ESH approval (MCC)			
CF14010570	MCC User Approval	0		07/27/06		◆ MCC User Approval			
CF14010525	Submit requisition for Construction (MCC)	1	08/04/06	08/04/06		█ Submit requisition for Construction (MCC)			
CF14010530	Approval process for Signature (MCC)	5	08/07/06	08/11/06		█ Approval process for Signature (MCC)			
CF14010540	Jobwalk (MCC)	0		08/11/06		◆ Jobwalk (MCC)			
CF14010535	RFQ (MCC)	10	08/14/06	08/25/06		█ RFQ (MCC)			





Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04			FY05			FY06			FY07			FY08		
<b>1.09.02.02.01 Title 1 Design</b>																			
CF04011113	BTH Preliminary Cost Range(w/contingency budget)	10	02/02/04A	02/13/04A															
CF05011106	RY Code Analysis Title 1	10	02/02/04A	02/13/04A															
CF05011107	RY Preliminary Cost Range(w/contingency budget)	10	02/02/04A	02/13/04A															
CF06011106	UND Code Analysis Title 1	10	02/02/04A	02/13/04A															
CF06011107	UND Preliminary Cost Range(w/contingency budget)	10	02/02/04A	02/13/04A															
CF07011006	FEE Code Analysis Title 1	10	02/02/04A	02/13/04A															
CF07011007	FEE Preliminary Cost Range(w/contingency budget)	10	02/02/04A	02/13/04A															
CF08011106	BD Code Analysis Title 1	10	02/02/04A	02/13/04A															
CF08011107	BD Preliminary Cost Range(w/contingency budget)	10	02/02/04A	02/13/04A															
CF09011006	NEH Code Analysis Title 1	10	02/02/04A	02/13/04A															
CF09011007	NEH Preliminary Cost Range(w/contingency budget)	10	02/02/04A	02/13/04A															
CF11011106	FEH Code Analysis Title 1	10	02/02/04A	02/13/04A															
CF11011107	FEH Preliminary Cost Range(w/contingency budget)	10	02/02/04A	02/13/04A															
CF13011006	CLOC Code Analysis Title 1	10	02/02/04A	02/13/04A															
CF13011007	CLOC Prelim Cost Range(w/contingency budget)	10	02/02/04A	02/13/04A															
CF04011114	BTH Validation Meeting Title 1	0		02/13/04A															
CF05011109	RY Validation Meeting Title 1	0		02/13/04A															
CF06011108	UND Validation Meeting Title 1	0		02/13/04A															
CF07011008	FEE Validation Meeting Title 1	0		02/13/04A															
CF08011108	BD Validation Meeting Title 1	0		02/13/04A															
CF09011008	NEH Validation Meeting Title 1	0		02/13/04A															
CF11011108	FEH Validation Meeting Title 1	0		02/13/04A															
CF13011008	CLOC Validation Meeting Title 1	0		02/13/04A															
CF07011025	REQD SPECS F/HOOKUPS,X-RAY TRANS/END ETC.	0	02/17/04A																
CF09011025	REQD:SPECS F/HOOKUPS,X-RAY TRANS/END ETC.	0	02/17/04A																
CF10010306	Submit Requisition for Approval Geotech Study Tun	3	03/01/04A	03/03/04A															







	Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.09.02.02.01 Title 1 Design</b>																																																																	
CF06011140		Schematic Design Review 2 Und Facil	1	04/26/04A	04/26/04A	<b>Schematic Design Review 2 Und Facil</b>																																																											
CF07011140		Schematic Design Review 2 FEE	1	04/26/04A	04/26/04A	<b>Schematic Design Review 2 FEE</b>																																																											
CF08011140		Schematic Design Review 2 Beam Dump	1	04/26/04A	04/26/04A	<b>Schematic Design Review 2 Beam Dump</b>																																																											
CF09011140		Schematic Design Review 2 NEH	1	04/26/04A	04/26/04A	<b>Schematic Design Review 2 NEH</b>																																																											
CF04011100		Radiation Safety Committee Review	20	04/27/04A	05/24/04A	<b>■ Radiation Safety Committee Review</b>																																																											
CF04011150		Title 1 Complete BTH	1	04/30/04A	04/30/04A	<b>Title 1 Complete BTH</b>																																																											
CF05011150		Title 1 Complete Research Yard	1	04/30/04A	04/30/04A	<b>Title 1 Complete Research Yard</b>																																																											
CF06011150		Title 1 Complete Undulator Facility	1	04/30/04A	04/30/04A	<b>Title 1 Complete Undulator Facility</b>																																																											
CF07011150		Title 1 Complete Front End Enclosure	1	04/30/04A	04/30/04A	<b>Title 1 Complete Front End Enclosure</b>																																																											
CF08011150		Title 1 Complete Beam Dump	1	04/30/04A	04/30/04A	<b>Title 1 Complete Beam Dump</b>																																																											
CF09011150		Title 1 Complete Near Experimental Hall	1	04/30/04A	04/30/04A	<b>Title 1 Complete Near Experimental Hall</b>																																																											
CF10011150		Title 1 Complete X - Ray Transport & Diagnostic	1	04/30/04A	04/30/04A	<b>Title 1 Complete X - Ray Transport &amp; Diagnostic</b>																																																											
CF11011150		Title 1 Complete Far Experimental Hall	1	04/30/04A	04/30/04A	<b>Title 1 Complete Far Experimental Hall</b>																																																											
CF13011140		Final Schematic Design Review CLOC	1	04/30/04A	04/30/04A	<b>Final Schematic Design Review CLOC</b>																																																											
CF13011150		Title 1 Comp Central Lab Office Center (CLOC)	1	04/30/04A	04/30/04A	<b>Title 1 Comp Central Lab Office Center (CLOC)</b>																																																											
MS3_CF000		A&E Serv (S20, MMF, MCC not incl) Title 1 Comp	0		04/30/04A	<b>◆ A&amp;E Serv (S20, MMF, MCC not incl) Title 1 Comp</b>																																																											
CF13012095		Value Engineering Central Lab Office Ctr (CLOC)	10	05/03/04A	05/14/04A	<b>■ Value Engineering Central Lab Office Ctr (CLOC)</b>																																																											
CF10010332		Prewrite Hazard Analysis Geotech Study Tunnel	32*	05/10/04A	06/20/04A	<b>■ Prewrite Hazard Analysis Geotech Study Tunnel</b>																																																											
CF10010318		Bid evaluation Geotech Study Tunnel	12	06/11/04A	06/15/04A	<b>■ Bid evaluation Geotech Study Tunnel</b>																																																											
CF10010328		Notice to proceed Geotech Study Tunnel	5	06/15/04A	06/20/04A	<b>■ Notice to proceed Geotech Study Tunnel</b>																																																											
CF10010324		AWARD: Geotech Study Tunnel	1	06/20/04A	06/20/04A	<b>■ AWARD: Geotech Study Tunnel</b>																																																											
CF10010304		ESH approval Geotech Study Tunnel	9*	06/20/04A	07/01/04	<b>■ ESH approval Geotech Study Tunnel</b>																																																											
CF10010340		Kick off Study Tunnel	1	07/19/04*	07/19/04	<b>■ Kick off Study Tunnel</b>																																																											
CF10010320		Geotech commencement Tunnel	32	07/19/04	08/31/04	<b>■ Geotech commencement Tunnel</b>																																																											
CF10010338		Field work Geotech Study Tunnel	32	07/19/04	08/31/04	<b>■ Field work Geotech Study Tunnel</b>																																																											
CF10010300		Geotech Study Tunnel	53*	07/19/04*	09/30/04	<b>■ Geotech Study Tunnel</b>																																																											

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.09.02.02.01 Title 1 Design</b>																																																																
CF10010360	Schedule validation Tunnel	3	08/16/04*	08/18/04																																																												
CF10010350	Engineering Analysis Geotech Study Tunnel	18	09/01/04	09/27/04																																																												
CF10010370	Geotech study complete Tunnel	0		09/27/04																																																												
CF10011005	Design Tunnel	54	09/28/04	12/14/04																																																												
CF03011106	Linac Code Analysis Title 1	10	11/19/04	12/06/04																																																												
CF03011107	Lin Preliminary Cost Range(w/contingency budget)	10	11/19/04	12/06/04																																																												
CF03011109	Linac Validation Meeting Title 1	0		12/06/04																																																												
CF03012095	Value Engineering Linac Facility	10	04/05/05	04/18/05																																																												
<b>1.09.02.02.02 Title 2 Design</b>																																																																
CF04012105	AWARD: Title 2 Option to Proceed	1	10/04/04	10/04/04																																																												
CF05012119	AWARD: T2 Design Pkg Option to Proceed (RY)	1	10/04/04	10/04/04																																																												
CF06010220	AWARD: Title 2 Design Pkg Option to Proceed (UF)	1	10/04/04	10/04/04																																																												
CF07012105	AWARD: Title 2 Option to Proceed (FEE)	1	10/04/04	10/04/04																																																												
CF08012119	AWARD: Title 2 Design Pkg. Option to Proceed (BD)	1	10/04/04	10/04/04																																																												
CF09012119	AWARD: Title 2 Design Package Option to Proceed	1	10/04/04	10/04/04																																																												
CF11012119	AWARD: Title 2 Design Package Option to Proceed	1	10/04/04	10/04/04																																																												
CF13010220	AWARD: Title 2 Design Package Option to Proceed	1	10/04/04	10/04/04																																																												
CF04012005	Consultant kick-off meeting Beam Transport Hall	5	10/05/04	10/11/04																																																												
CF05012005	Consultant kick-off meeting Research Yard Mods	5	10/05/04	10/11/04																																																												
CF07012005	Consultant kick-off meeting Front End Enclosure	5	10/05/04	10/11/04																																																												
CF08012005	Consultant kick-off meeting Beam Dump	5	10/05/04	10/11/04																																																												
CF09012005	Consultant kick-off meeting (NEH)	5	10/05/04	10/11/04																																																												
CF11012005	Consultant kick-off meeting (FEH)	5	10/05/04	10/11/04																																																												
CF13012005	Consultant kick-off meeting CLOC	5	10/05/04	10/11/04																																																												
CF06012005	Consultant kick-off meeting Undulator Facility	5	10/06/04	10/12/04																																																												
CF04012010	Consultant issue base plans Beam Transport Hall	5	10/12/04	10/18/04																																																												

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.09.02.02.02 Title 2 Design</b>																																																																
CF05012010	Consultant issue base plans Research Yard Mods	5	10/12/04	10/18/04																																																												
CF07012010	Consultant issue base plans Front End Enclosure	5	10/12/04	10/18/04																																																												
CF08012010	Consultant issue base plans Beam Dump	5	10/12/04	10/18/04																																																												
CF09012010	Consultant issue base plans (NEH)	5	10/12/04	10/18/04																																																												
CF11012010	Consultant issue base plan (FEH)	5	10/12/04	10/18/04																																																												
CF13012010	Consultant issue base plans CLOC	5	10/12/04	10/18/04																																																												
CF06012010	Consultant issue base plans Undulator Facility	5	10/13/04	10/19/04																																																												
CF04012015	Exterior finish selection Beam Transport Hall	10	10/19/04	11/01/04																																																												
CF05012015	Exterior finish selection Research Yard Mods	10	10/19/04	11/01/04																																																												
CF07012015	Exterior finish selection Front End Enclosure	10	10/19/04	11/01/04																																																												
CF08012015	Exterior finish selection Beam Dump	10	10/19/04	11/01/04																																																												
CF09012015	Exterior finish selection (NEH)	10	10/19/04	11/01/04																																																												
CF11012015	Exterior finish selections (FEH)	10	10/19/04	11/01/04																																																												
CF13012015	Exterior finish selection Central Lab Office Ctr	10	10/19/04	11/01/04																																																												
CF06012015	Exterior finish selection Undulator Facility	10	10/20/04	11/02/04																																																												
CF05012020	Multi-Discipline Development Phase Research Yard	60	11/02/04	02/01/05																																																												
CF04012020	Multi-Discipline Developmnt Phase Beam Transport	70	11/02/04	02/15/05																																																												
CF07012020	Multi-Discipline Development Phase FEE	70	11/02/04	02/15/05																																																												
CF08012020	Multi-Discipline Development Phase BD	70	11/02/04	02/15/05																																																												
CF09012020	Multi-Discipline Development Phase (NEH)	70	11/02/04	02/15/05																																																												
CF11012020	Multi-Disipline Development Phase (FEH)	70	11/02/04	02/15/05																																																												
CF13012020	Multi-Discipline Development Phase CLOC	70	11/02/04	02/15/05																																																												
CF06012020	Multi-Discipline Development Phase Undulator Fac	70	11/03/04	02/16/05																																																												
CF10012119	AWARD: Title 2 Design Package Option to Proceed	1	01/25/05	01/25/05																																																												
CF10012005	Consultant Review Geotech Study Tunnel	5	01/26/05	02/01/05																																																												
CF05012114	Design Review 1 Research Yard (T2)	1	02/01/05	02/01/05																																																												

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.09.02.02.02 Title 2 Design</b>																																																																
CF05012025	User Review and Approval Research Yard Mods	5	02/02/05	02/08/05																																																												
CF10012010	Consultant Develop Tunnel Profile Tunnel	5	02/02/05	02/08/05																																																												
CF05012030	Consultant Modify drwgs as needed Research Yard	10	02/09/05	02/23/05																																																												
CF10012015	Exterior Finish Selection Tunnel	10	02/09/05	02/23/05																																																												
CF04012114	Design Review 1 BTH (T2)	1	02/15/05	02/15/05																																																												
CF07012114	Design Review 1 FEE (T2)	1	02/15/05	02/15/05																																																												
CF08012114	Design Review 1 Beam Dump (T2)	1	02/15/05	02/15/05																																																												
CF09012114	T2 Design Review 1 NEH (T2)	1	02/15/05	02/15/05																																																												
CF11012114	Design Review 1 FEH (T2)	1	02/15/05	02/15/05																																																												
CF13012114	Design Review 1 Central Lab Office Ctr (T2)	1	02/15/05	02/15/05																																																												
CF06012114	Design Review 1 Undulator Facil (T2)	1	02/16/05	02/16/05																																																												
CF04012025	User Review and Approval Beam Transport Hall	5	02/16/05	02/23/05																																																												
CF07012025	User Review and Approval Front End Enclosure	5	02/16/05	02/23/05																																																												
CF08012025	User Review and Approval Beam Dump	5	02/16/05	02/23/05																																																												
CF09012025	User Review and Approval (NEH)	5	02/16/05	02/23/05																																																												
CF11012025	User Review and Approval (FEH)	5	02/16/05	02/23/05																																																												
CF13012025	User Review and Approval Central Lab Office Ctr	5	02/16/05	02/23/05																																																												
CF06012025	User Review and Approval Undulator Facility	5	02/17/05	02/24/05																																																												
CF05012035	Consultants provide Drawings Research Yard Mods	1	02/24/05	02/24/05																																																												
CF04012030	Consultant Modify drwgs as necessary BTH	10	02/24/05	03/09/05																																																												
CF07012030	Consultant Modify drwgs as necessary FEE	10	02/24/05	03/09/05																																																												
CF08012030	Consultant Modify drwgs as necessary Beam Dump	10	02/24/05	03/09/05																																																												
CF09012030	Consultant Modify drwgs as necessary (NEH)	10	02/24/05	03/09/05																																																												
CF11012030	Consultant Modify drwgs as necessary (FEH)	10	02/24/05	03/09/05																																																												
CF13012030	Consultant Modify drwgs as necessary OFF	10	02/24/05	03/09/05																																																												
CF10012020	Multi-Discipline Development Phase Tunnel	60	02/24/05	05/18/05																																																												

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.09.02.02.02 Title 2 Design</b>																																																																
CF05012040	Design team coordination meeting Res Yard Mods	2	02/25/05	02/28/05																																																												
CF06012030	Consultant Modify drwgs as necessary UH	10	02/25/05	03/10/05																																																												
CF05012045	Consultant issue update base plan Res Yard Mods	5	03/01/05	03/07/05																																																												
CF05012027	Construction Schedule Review - RY	0		03/02/05																																																												
CF05012055	User Review Research Yard Mods	5	03/08/05	03/14/05																																																												
CF04012035	Consultants provide Drawings Beam Transport	1	03/10/05	03/10/05																																																												
CF07012035	Consultants provide Drawings	1	03/10/05	03/10/05																																																												
CF08012035	Consultants provide Drawings Beam Dump	1	03/10/05	03/10/05																																																												
CF09012035	Consultants provide Drawings (NEH)	1	03/10/05	03/10/05																																																												
CF11012035	Consultants provide Drawings (FEH)	1	03/10/05	03/10/05																																																												
CF13012035	Consultants provide Drawings CLOC	1	03/10/05	03/10/05																																																												
CF06012035	Consultants provide dwgs Undulator Facility	1	03/11/05	03/11/05																																																												
CF04012040	Design team coordination meeting Beam Transport	2	03/11/05	03/14/05																																																												
CF07012040	Design team coordination meeting	2	03/11/05	03/14/05																																																												
CF08012040	Design team coordination meeting Beam Dump	2	03/11/05	03/14/05																																																												
CF09012040	Design team coordination meeting (NEH)	2	03/11/05	03/14/05																																																												
CF11012040	Design team coordination meeting (FEH)	2	03/11/05	03/14/05																																																												
CF13012040	Design team coordination meeting CLOC	2	03/11/05	03/14/05																																																												
CF06012040	Design team coordination meeting Undulator Facil	2	03/14/05	03/15/05																																																												
CF04012045	Consultant issue update base plan Beam Transport	5	03/15/05	03/21/05																																																												
CF07012045	Consultant issues update base plan FEE	5	03/15/05	03/21/05																																																												
CF08012045	Consultant issue update base plan Beam Dump	5	03/15/05	03/21/05																																																												
CF09012045	Consultant issue update base plan (NEH)	5	03/15/05	03/21/05																																																												
CF11012045	Consultant issue updated base plans (FEH)	5	03/15/05	03/21/05																																																												
CF13012045	Consultant issue update base plan CLOC	5	03/15/05	03/21/05																																																												
CF05012060	Details & Specifications Research Yard Mods	10	03/15/05	03/28/05																																																												

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04			FY05			FY06			FY07			FY08		
<b>1.09.02.02.02 Title 2 Design</b>																			
CF04012027	Construction Schedule Review - BTH	0		03/16/05															
CF07012027	Construction Schedule Review - FEE	0		03/16/05															
CF08012027	Construction Schedule Review - BD	0		03/16/05															
CF09012027	Construction Schedule Review - NEH	0		03/16/05															
CF11012027	Construction Schedule Review - FEH	0		03/16/05															
CF13012027	Construction Schedule Review - CLOC	0		03/16/05															
CF06012045	Consultant issues updated base plans UF	5	03/16/05	03/22/05															
CF06012027	Construction Schedule Review - UND	0		03/17/05															
CF04012050	Interior Finish&Color Selections Beam Transport	5	03/22/05	03/28/05															
CF07012050	Interior Finish & Color Selections Front End Enc	5	03/22/05	03/28/05															
CF08012050	Interior Finish & Color Selections Beam Dump	5	03/22/05	03/28/05															
CF09012050	Interior Finish & Color Selections (NEH)	5	03/22/05	03/28/05															
CF11012050	Interior Finish & Color Selections (FEH)	5	03/22/05	03/28/05															
CF13012050	Interior Finish & Color Selections CLOC	5	03/22/05	03/28/05															
CF06012050	Interior Finish & Color Selections Undulator Fac	5	03/23/05	03/29/05															
CF05012116	Design Review 2 (Research Yard T2)	1	03/28/05	03/28/05															
CF04012055	User Review Beam Transport Hall	5	03/29/05	04/04/05															
CF07012055	User Review Front End Enclosure	5	03/29/05	04/04/05															
CF08012055	User Review Beam Dump	5	03/29/05	04/04/05															
CF09012055	User Review (NEH)	5	03/29/05	04/04/05															
CF11012055	User Review (FEH)	5	03/29/05	04/04/05															
CF13012055	User Review Central Lab Office Center (CLOC)	5	03/29/05	04/04/05															
CF05012065	Draws & Specs from Consultants RYH	14	03/29/05	04/15/05															
CF06012055	User Review Undulator Facility	5	03/30/05	04/05/05															
CF04012060	Details & Specifications Beam Transport Hall	10	04/05/05	04/18/05															
CF07012060	Details & Specifications Front End Enclosure	10	04/05/05	04/18/05															



Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04				FY05				FY06				FY07				FY08			
<b>1.09.02.02.02 Title 2 Design</b>																								
CF08012060	Details & Specifications Beam Dump	10	04/05/05	04/18/05																				
CF09012060	Details & Specifications (NEH)	10	04/05/05	04/18/05																				
CF11012060	Details & Specifications (FEH)	10	04/05/05	04/18/05																				
CF13012060	Details & Specifications Central Lab Office Ctr	10	04/05/05	04/18/05																				
CF06012060	Details & Specifications Undulator Facility	10	04/06/05	04/19/05																				
CF04012116	Design Review 2 BTH (T2)	1	04/18/05	04/18/05																				
CF07012116	Design Review 1 FEE (T2)	1	04/18/05	04/18/05																				
CF08012116	Design Review 2 Beam Dump (T2)	1	04/18/05	04/18/05																				
CF09012116	T2 Design Review 2 NEH (T2)	1	04/18/05	04/18/05																				
CF11012116	Design Review 2 FEH (T2)	1	04/18/05	04/18/05																				
CF13012116	Design Review 2 Central Lab Office Ctr (T2)	1	04/18/05	04/18/05																				
CF05012070	Issue Drawings/Specs for cost estimate RYH	5	04/18/05	04/22/05																				
CF06012116	Design Review 2 Undulator Facil (T2)	1	04/19/05	04/19/05																				
CF04012065	Drawings& Specs from Consultants BTH	14	04/19/05	05/06/05																				
CF07012065	Drawings& Specs from Consultants FEE	14	04/19/05	05/06/05																				
CF08012065	Drawings& Specs from Consultants Beam Dump	14	04/19/05	05/06/05																				
CF09012065	Drawings& Specs from Consultants (NEH)	14	04/19/05	05/06/05																				
CF11012065	Drawings& Specs from Consultant (FEH)	14	04/19/05	05/06/05																				
CF13012065	Drawings& Specs from Consultants OFF	14	04/19/05	05/06/05																				
CF06012065	Drawings& Specs from Consultants UH	14	04/20/05	05/09/05																				
CF05012075	Cost estimate Research Yard Mods	5	04/25/05	04/29/05																				
CF05012080	Design Development Submittal Research Yard	5	05/02/05	05/06/05																				
CF04012070	Issue Drawings/Specs for cost estimate BTH	5	05/09/05	05/13/05																				
CF05012085	Structural Peer Review Research Yard Mods	5	05/09/05	05/13/05																				
CF07012070	Issue Drawings/Specs for cost estimate FEE	5	05/09/05	05/13/05																				
CF08012070	Issue Drawings/Specs for cost estimate Beam Dump	5	05/09/05	05/13/05																				

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.09.02.02.02 Title 2 Design</b>																																																																
CF09012070	Issue Drawings/Specs for cost estimate (NEH)	5	05/09/05	05/13/05																																																												
CF11012070	Issue Drawings/Specs for cost estimate (FEH)	5	05/09/05	05/13/05																																																												
CF13012070	Issue Drawings/Specs for cost estimate OFF	5	05/09/05	05/13/05																																																												
CF06012070	Issue Drawings/Specs for cost estimate UH	5	05/10/05	05/16/05																																																												
CF04012075	Cost estimate Beam Transport Hall	5	05/16/05	05/20/05																																																												
CF05012090	Stanford/SLAC Review Research Yard Mods	5	05/16/05	05/20/05																																																												
CF07012075	Cost estimate Front End Enclosure	5	05/16/05	05/20/05																																																												
CF08012075	Cost estimate Beam Dump	5	05/16/05	05/20/05																																																												
CF09012075	Cost estimate (NEH)	5	05/16/05	05/20/05																																																												
CF11012075	Cost estimate (FEH)	5	05/16/05	05/20/05																																																												
CF13012075	Cost estimate Central Lab Office Center (CLOC)	5	05/16/05	05/20/05																																																												
CF06012075	Cost estimate Undulator Facility	5	05/17/05	05/23/05																																																												
CF10012114	Design Review 1 X-Ray Trans/Dia Tun (T2)	1	05/18/05	05/18/05																																																												
CF10012025	User Review and Approval Tunnel	5	05/19/05	05/25/05																																																												
CF05012134	Final Design Review Research Yard (T2)	1	05/20/05	05/20/05																																																												
CF05012140	Title 2 Design Complete Research Yard	1	05/23/05	05/23/05																																																												
CF04012080	Design Development Submittal BTH	5	05/23/05	05/27/05																																																												
CF07012080	Design Development Submittal FEE	5	05/23/05	05/27/05																																																												
CF08012080	Design Development Submittal Beam Dump	5	05/23/05	05/27/05																																																												
CF09012080	Design Development Submittal (NEH)	5	05/23/05	05/27/05																																																												
CF11012080	Design Development Submittal (FEH)	5	05/23/05	05/27/05																																																												
CF13012080	Design Development Submittal OFF	5	05/23/05	05/27/05																																																												
CF06012080	Design Development Submittal Undulator Fac	5	05/24/05	05/31/05																																																												
CF10012030	Consultant Modify drwgs as necessary Tunnel	10	05/26/05	06/09/05																																																												
CF04012085	Structural Peer Review Beam Transport Hall	5	05/31/05	06/06/05																																																												
CF07012085	Structural Peer Review Front End Enclosure	5	05/31/05	06/06/05																																																												

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.09.02.02.02 Title 2 Design</b>																																																																
CF08012085	Structural Peer Review Beam Dump	5	05/31/05	06/06/05																																																												
CF09012085	Structural Peer Review (NEH)	5	05/31/05	06/06/05																																																												
CF11012085	Structural Peer Review (FEH)	5	05/31/05	06/06/05																																																												
CF13012085	Structural Peer Review Central Lab Office Ctr	5	05/31/05	06/06/05																																																												
CF06012085	Structural Peer Review Undulator Facility	5	06/01/05	06/07/05																																																												
CF04012101	REQD:Obtain Seismic Rvw Committee Appr(T2)	0	06/07/05																																																													
CF04012090	Stanford/SLAC Review Beam Transport Hall	5	06/07/05	06/13/05																																																												
CF07012090	Stanford/SLAC Review Front End Enclosure	5	06/07/05	06/13/05																																																												
CF08012090	Stanford/SLAC Review Beam Dump	5	06/07/05	06/13/05																																																												
CF09012090	Stanford/SLAC Review (NEH)	5	06/07/05	06/13/05																																																												
CF11012090	Stanford/SLAC Review (FEH)	5	06/07/05	06/13/05																																																												
CF13012090	Stanford/SLAC Review Central Lab Office Ctr	5	06/07/05	06/13/05																																																												
CF06012090	Stanford/SLAC Review Undulator Facility	5	06/08/05	06/14/05																																																												
CF10012035	Consultants provide Drawings Tunnel	1	06/10/05	06/10/05																																																												
CF04012134	Final Design Review BTH (T2)	1	06/13/05	06/13/05																																																												
CF07012134	Final Design Review FEE (T2)	1	06/13/05	06/13/05																																																												
CF08012134	Final Design Review (T2)	1	06/13/05	06/13/05																																																												
CF09012134	T2 Final Design Review NEH (T2)	1	06/13/05	06/13/05																																																												
CF11012134	Final Design Review FEH (T2)	1	06/13/05	06/13/05																																																												
CF13012134	Final Design Review CLOC (T2)	1	06/13/05	06/13/05																																																												
CF10012040	Design team coordination meeting Tunnel	2	06/13/05	06/14/05																																																												
CF06012134	Final Design Review Undulator Facil (T2)	1	06/14/05	06/14/05																																																												
CF06012140	Title 2 Complete Undulator Facility	1	06/14/05	06/14/05																																																												
CF07012140	Title 2 Complete Front End Enclosure	1	06/14/05	06/14/05																																																												
CF08012140	Title 2 Complete Beam Dump	1	06/14/05	06/14/05																																																												
CF09012140	Title 2 Complete Near Experimental Hall	1	06/14/05	06/14/05																																																												

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.09.02.02.02 Title 2 Design</b>																																																																
CF11012140	Title 2 Complete Far Experimental Hall	1	06/14/05	06/14/05																																																												
CF13012140	Title 2 Comp Central Lab Office Center (CLOC)	1	06/14/05	06/14/05																																																												
CF10012045	Consultant issue update base plan Tunnel	4	06/15/05	06/20/05																																																												
CF10012027	Construction Schedule Review - Tunnel	0		06/16/05																																																												
CF10012055	User Review Tunnel	4	06/21/05	06/24/05																																																												
CF10012060	Details & Specification Tunnel	10	06/27/05	07/11/05																																																												
CF10012116	Design Review 2 X-Ray Trans/Dia Tun (T2)	1	07/11/05	07/11/05																																																												
CF10012065	Drawings& Specs from Consultants Tunnel	10	07/12/05	07/25/05																																																												
CF10012070	Issue Drawings/Specs for cost estimate Tunnel	5	07/26/05	08/01/05																																																												
CF10012075	Cost estimate Tunnel	5	08/02/05	08/08/05																																																												
CF10012080	Design Development Submittal Tunnel	5	08/09/05	08/15/05																																																												
CF10012085	Structural Peer Review Tunnel	5	08/16/05	08/22/05																																																												
CF10012090	Stanford/SLAC Review Tunnel	5	08/23/05	08/29/05																																																												
CF10012134	Final Design Review X-Ray Trans/Dia Tun(T2)	1	08/29/05	08/29/05																																																												
CF04012140	BTH Title 2 Complete	1	08/30/05	08/30/05																																																												
CF10012140	Title 2 Complete X-Ray Transport/Diagnostic Tun	1	08/30/05	08/30/05																																																												
MS3_CF005	A&E Serv (S20, MMF, MCC not incl) Title 2 Comp	0		08/31/05*																																																												
CF03012057	Construction Schedule Review - Linac Fac	0		10/17/05																																																												
CF14012042	Construction Schedule Review - MCC	0		06/19/06																																																												
<b>1.09.02.03 A &amp; E Services - (S20, MMF,MCC)</b>																																																																
<b>1.09.02.03.01 Title 1 Design (Sector 20)</b>																																																																
CF02011030	AWARD: Title 1 Design Pkg (SECT 20)	1	03/01/04A	03/01/04A																																																												
CF02011005	Alcove/RF Hut Code Analysis Title 1	1	03/12/04A	03/12/04A																																																												
CF02011100	Alcove/RF Hut Architectural Layout	1	03/12/04A	03/12/04A																																																												
CF02011105	Schematic Design Review 1 Title 1	1	03/12/04A	03/12/04A																																																												
CF02011120	Alcove/RF Hut MEP Basis of Design	1	03/12/04A	03/12/04A																																																												



Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04 FY05 FY06 FY07 FY08																													
					FY04							FY05							FY06							FY07							FY08	
<b>1.09.02.03.02 Title 2 Design (Sector 20)</b>																																		
CF02012050	Alcove/RF HUT Design Development	10	07/08/04	07/21/04																														
CF02012052	Construction Schedule Review - Alcove/RF Hut	0		07/27/04																														
CF02012055	Design Review 2 Alcove/RF HUT	1	07/28/04	07/28/04																														
CF02012060	Alcove/RF HUT SLAC Rad Physics Review	5	07/29/04	08/04/04																														
CF02012065	Alcove/RF HUT SLAC Seismic Committee Review	5	07/29/04	08/04/04																														
CF02012070	Alcove/RF HUT SLAC Meeting w/AE Firm	1	08/05/04	08/05/04																														
CF02012075	Alcove/RF HUT Design Development	10	08/06/04	08/19/04																														
CF02012080	Alcove/RF HUT Const Docs Final Review Draft	1	08/20/04	08/20/04																														
CF02012085	Complete Final Design Review Alcove/RF HUT	1	08/20/04	08/20/04																														
CF02012090	Alcove/RF HUT SLAC Rad Physics Approval	5	08/23/04	08/27/04																														
CF02012095	Alcove/RF HUT SLAC Seismic Committee Approval	5	08/30/04	09/03/04																														
CF02012140	Alcove/RF Hut Title 2 Complete Title 2	1	09/07/04	09/07/04																														
MS3_CF015	A&E Services Sector 20 Title 2 Comp	0		09/30/04*																														
<b>1.09.02.03.03 Title 1 Design (MMF)</b>																																		
CF12010135	AWARD: MMF Title 1 Contract	1	03/01/04A	03/01/04A																														
CF12011005	MMF Code Analysis Title 1	1	04/12/04A	04/13/04A																														
CF12011007	MMF Preliminary Cost Range(w/Contingency budget)	1	04/12/04A	04/13/04A																														
CF12011010	MMF Architectural Layout	1	04/12/04A	04/13/04A																														
CF12011009	MMF Validation Meeting Title 1	0		04/13/04A																														
CF12011040	MMF Preliminary Cost Estimates	1	04/25/04A	04/25/04A																														
CF12011015	MMF MEP Basis of Design	1	06/21/04A	06/21/04A																														
CF12011020	MMF Structural Basis of Design	1	06/21/04A	06/21/04A																														
CF12011030	MMF Schematic Design Review Title 1	13*	06/21/04A	07/08/04																														
CF12011025	REQD:SPECS F/HOOKUPS	0		05/28/04																														
MS3_CF020	A&E Services MMF Title 1 Comp	0		06/30/04*																														
CF12011045	MMF Design Development	18	07/08/04*	08/02/04																														

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04				FY05				FY06				FY07				FY08					
<b>1.09.02.03.03 Title 1 Design (MMF)</b>																										
CF12011035	MMF SLAC Review/Approval	5	07/09/04	07/15/04																						
CF12011095	MMF Progress Review	0		07/15/04																						
CF12011055	MMF SLAC Review/Approval	10	07/16/04	07/29/04																						
CF12011050	MMF Schematic Design Review 2	1	07/29/04*	07/29/04																						
CF12011060	MMF Rad Safety Committee Review Comp T1	0		07/29/04																						
CF12011070	MMFSLAC Review/Approval	5	07/30/04	08/05/04																						
CF12011080	MMF Final Schematic Design Complete	4	08/02/04	08/05/04																						
CF12011090	MMF Design Title 1 Complete	1	08/06/04	08/06/04																						
CF12012096	Value Engineering MMF	6	08/24/04*	08/31/04																						
CF12012098	COMP: Value Engineering MMF	0		08/31/04																						
<b>1.09.02.03.04 Title 2 Design (MMF)</b>																										
CF12010220	AWARD: MMF Title 2 Option to Proceed	1	08/16/04*	08/16/04																						
CF12012005	MMFPrelim Mtg/Slac Rad Physics Dept	3	08/17/04	08/19/04																						
CF12012010	MMF SLAC Review/Approval	5	08/20/04	08/26/04																						
CF12012015	MMF SLAC Seismic Status Review	5	08/20/04	08/26/04																						
CF12012020	MMF SLAC Meeting W/AE Firm	1	08/27/04	08/27/04																						
CF12012021	MMF Design Development	5	08/30/04	09/03/04																						
CF12012025	MMF Design Review 1 w/Cost Est	1	09/03/04	09/03/04																						
CF12012030	MMF SLAC Rad Physics Review	3	09/07/04	09/09/04																						
CF12012035	MMF SLAC Seismic Committee Review	3	09/07/04	09/09/04																						
CF12012040	MMF SLAC Meeting With AE Firm	1	09/10/04	09/10/04																						
CF12012045	MMF Design Development	5	09/13/04	09/17/04																						
MS3_CF025	A&E Services MMF Title 2 Comp	0		09/30/04*																						
CF12012027	Construction Schedule Review - MMF	0		10/04/04																						
CF12012050	MMF Design Review 2	1	10/05/04	10/05/04																						
CF12012055	MMF SLAC Rad Physics Dept	3	10/06/04	10/08/04																						

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.09.02.03.04 Title 2 Design (MMF)</b>																																																																
CF12012060	MMF SLAC Seismic Committee Review	3	10/06/04	10/08/04																																																												
CF12012065	MMF SLAC Meeting With AE Firm	1	10/11/04	10/11/04																																																												
CF12012070	MMF Design Development	5	10/12/04	10/18/04																																																												
CF12012075	MMF Construction Docs Final Review Draft	1	10/19/04	10/19/04																																																												
CF12012080	MMF Final Design Review	1	10/19/04	10/19/04																																																												
CF12012085	MMF SLAC Rad Physics Approval	3	10/20/04	10/22/04																																																												
CF12012090	MMF SLAC Seismic Committee Approval	3	10/25/04	10/27/04																																																												
CF12012095	MMF Title 2 Complete	1	10/27/04	10/27/04																																																												
<b>1.09.02.03.05 Title 1 Design (MCC)</b>																																																																
CF14011025	REQD:SPECS F/HOOKUPS	0		12/14/05																																																												
CF14011075	AWARD: Title 1 Design Package (MCC)	1	12/15/05	12/15/05																																																												
CF14011005	MCC Code Analysis Title 1	10	12/20/05	01/04/06																																																												
CF14011007	MCC Preliminary Cost Range(w/contingency budget)	10	12/20/05	01/04/06																																																												
CF14011015	MCC MEP Basis of Design	10	12/20/05	01/04/06																																																												
CF14011020	MCC Structural Basis of Design	10	12/20/05	01/04/06																																																												
CF14011010	MCC Architectural Layout	15	12/20/05	01/11/06																																																												
CF14011009	MCC Validation Meeting Title 1	0		01/04/06																																																												
CF14011030	MCC Schematic Design Review Title 1	1	01/05/06	01/05/06																																																												
CF14011045	MCC Design Development	15	01/06/06	01/27/06																																																												
CF14011035	MCC SLAC Review/Approval	5	01/30/06	02/03/06																																																												
CF14011040	MCC Preliminary Cost Estimates	1	02/06/06	02/06/06																																																												
CF14011095	MCC Progress Review	0		02/06/06																																																												
CF14011055	MCC SLAC Review/Approval	5	02/07/06	02/13/06																																																												
CF14011050	MCC Schematic Design Review 2	1	02/13/06	02/13/06																																																												
CF14011060	MCC Rad Safety Committee Review Comp T1	0		02/13/06																																																												
CF14011065	MCC Design Development Title 1	14	02/14/06	03/06/06																																																												





Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.09.03.01.01 Site Preparation</b>																																																																
CF03013241	RF Hut Clear Area	6	09/30/04	10/07/04													RF Hut Clear Area																																															
CF03013256	AWARD: T3 Const. Pkg. RF Hut & Alcove	1	10/22/04	10/22/04													AWARD: T3 Const. Pkg. RF Hut & Alcove																																															
CF03013086	Remove Full Height Wall Alcove	3	10/28/04	11/01/04													Remove Full Height Wall Alcove																																															
CF03013095	Alcove Relocate Pump Room	15	11/02/04	11/22/04													Alcove Relocate Pump Room																																															
CF03013110	AVAIL: Start Alcove Construction Commence	0	11/23/04														AVAIL: Start Alcove Construction Commence																																															
<b>1.09.03.01.02 Structural</b>																																																																
CF03013135	Construct Laser Bay,Load Lock,Entry & Control Rm	90	01/07/05	05/16/05													Construct Laser Bay,Load Lock,Entry & Control Rm																																															
<b>1.09.03.01.04 Utilities</b>																																																																
CF03013246	RF Hut Modify Utilities	10	10/08/04	10/21/04													RF Hut Modify Utilities																																															
CF03013247	T3 Construction of RF Hut and Alcove	187	10/25/04	07/25/05													T3 Construction of RF Hut and Alcove																																															
CF03013105	Alcove Remove Unused Utilities	14	11/23/04	12/14/04													Alcove Remove Unused Utilities																																															
CF03013125	Alcove Install New Utilities	14	12/15/04	01/06/05													Alcove Install New Utilities																																															
<b>1.09.03.01.07 Interior</b>																																																																
CF03013236	AVAIL: Start RF Hut Construction	0	10/28/04	10/27/04													AVAIL: Start RF Hut Construction																																															
CF03013251	RF Hut Construction	20	10/28/04	11/24/04													RF Hut Construction																																															
<b>1.09.03.01.10 Project Close Out Sector 20 Injector Facility</b>																																																																
CF03013156	Drawing Implementation to SLAC System-RF Hut	5	10/05/04	10/11/04													Drawing Implementation to SLAC System-RF Hut																																															
CF03013250	Building Commissioning RF Hut	40	10/05/04	12/01/04													Building Commissioning RF Hut																																															
CF03013238	RF Hut Punchlist	5	11/29/04	12/03/04													RF Hut Punchlist																																															
CF03013237	AVAIL: RF Hut Beneficial Occupancy	0		12/01/04													AVAIL: RF Hut Beneficial Occupancy																																															
CF03013245	COMP: RF Hut Final Acceptance	0		12/03/04													COMP: RF Hut Final Acceptance																																															
CF03013239	COMP: RF Hut Title 3	0		01/27/05													COMP: RF Hut Title 3																																															
CF03013154	Drawing Implementation to SLAC System-Alcove	5	03/29/05	04/04/05													Drawing Implementation to SLAC System-Alcove																																															
CF03013255	Building Commissioning Alcove	40	03/29/05	05/23/05													Building Commissioning Alcove																																															
CF03013175	Alcove Punchlist	10	05/17/05	05/31/05													Alcove Punchlist																																															
CF03013180	AVAIL: Alcove Beneficial Occupancy	0		05/23/05													AVAIL: Alcove Beneficial Occupancy																																															
CF22010005	Testing	5	05/24/05	05/31/05													Testing																																															

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.09.03.01.10 Project Close Out Sector 20 Injector Facility</b>																																																																
CF22010010	Reproduction	5	05/24/05	05/31/05													Reproduction																																															
CF22010000	Furnishings	50	05/24/05	08/03/05													Furnishings																																															
CF03013182	COMP: Alcove Title 3	0		07/25/05													COMP: Alcove Title 3																																															
CF03013183	COMP: Alcove Final Acceptance	0		07/25/05													COMP: Alcove Final Acceptance																																															
<b>1.09.03.02 Magnetic Measurement Facility</b>																																																																
CF12112901	AE Engineering Support for Construction	153	12/15/04	07/26/05													AE Engineering Support for Construction																																															
CF12112902	MMF Title 3 Construction	158	12/15/04	08/02/05													MMF Title 3 Construction																																															
<b>1.09.03.02.01 Site Preparation</b>																																																																
MSC_CF010	CRIT: (MMF) Construction Contract	0		08/31/04													CRIT: (MMF) Construction Contract																																															
SSCF_0400	CRIT: Magnetic Measurement Facility	0	09/01/04														CRIT: Magnetic Measurement Facility																																															
CF12010550	AWARD: (MMF) Construction Contract	1	12/14/04	12/14/04													AWARD: (MMF) Construction Contract																																															
CF12112900	REQD:Clear area for Construction Alignment Group	0	12/14/04														REQD:Clear area for Construction Alignment Group																																															
CF12112905	MMF Clear Area Unload Racks	5	12/14/04	12/20/04													MMF Clear Area Unload Racks																																															
CF12112910	MMF Clear Area Tear Down Fencing	1	12/21/04	12/21/04													MMF Clear Area Tear Down Fencing																																															
CF12112915	MMF Clear Area Remove Storage Racks	2	12/22/04	12/23/04													MMF Clear Area Remove Storage Racks																																															
CF12113000	Start Constr Magnetic Measurement Facility	0		12/23/04													Start Constr Magnetic Measurement Facility																																															
CF12113015	MMF Clear Area Complete	0		12/30/04													MMF Clear Area Complete																																															
CF12113020	MMF Construction Commence	0		12/30/04													MMF Construction Commence																																															
<b>1.09.03.02.02 Structural</b>																																																																
CF12113010	MMF Rework Crane	3	12/28/04	12/30/04													MMF Rework Crane																																															
CF12113025	MMF Construction Isolation Pads	10	01/03/05	01/14/05													MMF Construction Isolation Pads																																															
CF12113075	Construct @ Rooms and Entry	120	01/03/05	06/22/05													Construct @ Rooms and Entry																																															
<b>1.09.03.02.03 Electrical</b>																																																																
CF12113005	MMF Modify Bldg Lighting & Power etc.	15	06/02/05	06/22/05													MMF Modify Bldg Lighting & Power etc.																																															
<b>1.09.03.02.10 Project Close Out Magnetic Measurement Facility</b>																																																																
CF12113053	Drawing Implementation to SLAC System	10	05/04/05	05/17/05													Drawing Implementation to SLAC System																																															
CF12113060	Building Commissioning MMF	40	05/04/05	06/29/05													Building Commissioning MMF																																															

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.09.03.02.10 Project Close Out Magnetic Measurement Facility</b>																																																																
CF12113045	MMF Project Punch List	10	06/23/05	07/07/05	■ MMF Project Punch List																																																											
CF12113050	AVAIL: Beneficial Occupancy Magnetic Measure Fac	0		06/29/05	◆ AVAIL: Beneficial Occupancy Magnetic Measure Fac																																																											
CF22020005	Testing	8	06/30/05	07/12/05	■ Testing																																																											
CF22020010	Reproduction	8	06/30/05	07/12/05	■ Reproduction																																																											
CF22020000	Furnishings	50	06/30/05	09/09/05	■ Furnishings																																																											
CF12113052	COMP: Magnetic Measure Facility Title 3	0		08/02/05	◆ COMP: Magnetic Measure Facility Title 3																																																											
CF12113055	COMP: Magnetic Measurement Fac Final Acceptance	0		08/02/05	◆ COMP: Magnetic Measurement Fac Final Acceptance																																																											
<b>1.09.03.03 Main Control Center Facilities Upgrade</b>																																																																
<b>1.09.03.03.01 Site Preparation</b>																																																																
CF14012910	AWARD: T3 Construction Package (MCC)	1	09/14/06	09/14/06	AWARD: T3 Construction Package (MCC)																																																											
CF14012906	MCC Title 3 Construction	120	09/15/06	03/09/07	■ MCC Title 3 Construction																																																											
CF14012900	REQD:Clear area for Construction	0	10/02/07		REQD:Clear area for Construction◆																																																											
CF14012905	MCC Clear Area Unload Racks	10	10/02/07	10/15/07	■ MCC Clear Area Unload Racks																																																											
CF14012915	MCC Clear Area Remove Storage Racks	5	10/16/07	10/22/07	■ MCC Clear Area Remove Storage Racks																																																											
CF14013015	AVAIL: MCC Clear Area	0		10/22/07	◆ AVAIL: MCC Clear Area◆																																																											
CF14013020	MCC Construction Commence	0		10/22/07	◆ MCC Construction Commence◆																																																											
<b>1.09.03.03.02 Structural</b>																																																																
CF14013025	MCC Structural	15	11/06/07	11/28/07	■ MCC Structural																																																											
<b>1.09.03.03.03 Electrical</b>																																																																
CF14013005	MCC Modify Bldg Lighting & Power etc.	15	11/29/07	12/19/07	■ MCC Modify Bldg Lighting & Power etc																																																											
<b>1.09.03.03.04 Utilities</b>																																																																
CF14013030	MCC Utilities	10	10/23/07	11/05/07	■ MCC Utilities																																																											
<b>1.09.03.03.05 HVAC</b>																																																																
CF14013070	MCC Modify HVAC	20	12/20/07	01/23/08	■ MCC Modify HVAC																																																											
<b>1.09.03.03.06 Special System - Fire Protection</b>																																																																
CF14013080	MCC Special System (Fire Protection)	10	01/24/08	02/06/08	■ MCC Special System (Fire Protection)																																																											
<b>1.09.03.03.07 Interior</b>																																																																
CF14013085	MCC Install Interiors	20	02/07/08	03/06/08	■ MCC Install Interiors																																																											

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.09.03.03.10 Project Close Out Main Control Center Facility</b>					<b>Drawing Implementation to SLAC System</b> █ <b>Building Commissioning (MCC)</b> █ <b>MCC Project Punch Lis</b> █ <b>AVAIL: Beneficial Occupancy (MCC)</b> ◆ <b>Testing</b> █ <b>Reproduction</b> █ <b>Furnishings</b> █ <b>COMP: Main Control Center Title 3</b> ◆ <b>COMP: MCC Final Acceptance</b> ◆																																																											
<b>1.09.03.04 Linac Facility</b>																																																																
<b>1.09.03.04.03 Electrical</b>					<b>Install Interior Utilities Electrical</b> █																																																											
<b>1.09.03.04.04 Utilities</b>					<b>CRIT: T3 Construction Pkg (Linac)</b> ◆ <b>AWARD: T3 Construction Pkg (Linac)</b> ◆ <b>Start Construction Linac Facility</b> ◆ <b>Install Utilities Linac Facility</b> █																																																											
<b>1.09.03.04.10 Project Close Out Linac Facility</b>					<b>Drawing Implementation to SLAC System</b> █ <b>Building Commissioning Linac Facility</b> █ <b>AVAIL: Building Complete Linac Facility</b> ◆ <b>Project Punch List Linac Facility</b> █ <b>AVAIL: Beneficial Occupancy Linac Facility</b> ◆ <b>COMP: Linac Facility Title 3</b> ◆ <b>COMP: Linac Facility Final Acceptance</b> ◆																																																											
<b>1.09.03.05 Research Yard/B102,B211,B113 &amp; Storage Trailers</b>					<b>REQD:Relocate person in Builds # 102</b> ◆																																																											



Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.09.03.05.04 Utilities</b>																																																																
<b>1.09.03.05.04.01 Utilities SEM</b>																																																																
CF05033005	Install Underground Research Yard Mods ( SEM )	10	10/11/05	10/24/05																																																	■ Install Underground Research Yard Mods ( SEM )											
<b>1.09.03.05.04.02 Utilities G/C</b>																																																																
CF05033085	Install Underground Research Yard Mods ( GC )	10	12/01/05	12/14/05																																																	■ Install Underground Research Yard Mods ( GC )											
<b>1.09.03.05.05 HVAC</b>																																																																
<b>1.09.03.05.05.01 HVAC SEM</b>																																																																
CF05033025	Instl Interior Utilities HVAC ( SEM )	10	11/08/05	11/21/05																																																	■ Instl Interior Utilities HVAC ( SEM )											
<b>1.09.03.05.05.02 HVAC G/C</b>																																																																
CF05033105	Instl Interior Utilities HVAC ( GC )	10	01/09/06	01/23/06																																																	■ Instl Interior Utilities HVAC ( GC )											
<b>1.09.03.05.06 Special System - Fire Protection</b>																																																																
<b>1.09.03.05.06.01 Special System - Fire Protection SEM</b>																																																																
CF05033075	Instl Interior Utilities Fire Protection ( SEM )	10	11/15/05	11/30/05																																																	■ Instl Interior Utilities Fire Protection ( SEM )											
<b>1.09.03.05.06.02 Special System - Fire Protection</b>																																																																
CF05033125	Instl Interior Utilities Fire Protection ( GC )	10	01/17/06	01/30/06																																																	■ Instl Interior Utilities Fire Protection ( GC )											
<b>1.09.03.05.07 Interior</b>																																																																
<b>1.09.03.05.07.02 Interior G/C</b>																																																																
CF05033080	Insta Interior Partitions Research Yd Mods (GC)	10	01/31/06	02/13/06																																																	■ Insta Interior Partitions Research Yd Mods (GC)											
<b>1.09.03.05.10 Project Close Out Reasearch Yard</b>																																																																
CF05033040	AVAIL: Building Complete Research Yard Mods	0		11/30/05																																																	◆ AVAIL: Building Complete Research Yard Mods											
CF05033045	Project Punch List Research Yard Mods	10	12/01/05	12/14/05																																																	■ Project Punch List Research Yard Mods											
CF05033053	Drawing Implementation to SLAC System	10	03/02/06	03/15/06																																																	■ Drawing Implementation to SLAC System											
CF05033055	Building Commissioning Research Yard Mods	10	03/02/06	03/15/06																																																	■ Building Commissioning Research Yard Mods											
CF05033050	AVAIL: Beneficial Occupancy Research Yard Mods	0		04/26/06																																																	◆ AVAIL: Beneficial Occupancy Research Yard											
CF05033054	COMP: Research Yard Final Acceptance	0		04/26/06																																																	◆ COMP: Research Yard Final Acceptance											
CF22030000	Furnishings	60	04/27/06	07/21/06																																																	■ Furnishings											
CF22030005	Testing	404	04/27/06	12/03/07																																																	■ Testing											
CF22030010	Reproduction	404	04/27/06	12/03/07																																																	■ Reproduction											
CF05033052	COMP: Research Yard Mods Title 3	0		05/24/06																																																	◆ COMP: Research Yard Mods Title 3											
<b>1.09.03.06 Access Road &amp; Beam Transport Hall</b>																																																																
CF04034000	AE Engineering Support for Construction	421	11/02/05	07/06/07																																																	■ AE Engineering Support											

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.09.03.06 Access Road &amp; Beam Transport Hall</b>					UTR Support for Construction																																																											
CF04034005	UTR Support for Construction	421	11/02/05	07/06/07																																																												
CF04012920	REQD:DeCommission FFTB before Constr Start***	0		07/20/06																																																												
CF04033000	Start Construction Beam Transport Hall	0	08/18/06																																																													
<b>1.09.03.06.01 Site Preparation</b>																																																																
CF04033083	Start Construction Access Road Modifications	0	11/02/05																																																													
CF04033085	Access Road Modifications Research Yard Modifica	120	11/02/05	04/26/06																																																												
CF04033084	T3 Construction Beam Transport Hall&Access Roads	421	11/02/05	07/06/07																																																												
CF04012910	FFTB Remove Utilities	20	07/21/06	08/17/06																																																												
CF04012915	FFTB Demo Building	20	08/18/06	09/15/06																																																												
CF04033010	Sitework Beam Transport Hall	20	10/23/06	11/17/06																																																												
<b>1.09.03.06.02 Structural</b>																																																																
CF04033015	Concrete Pad Beam Transport Hall	10	11/20/06	12/05/06																																																												
CF04033020	Construct Building Shell Beam Transport Hall	100	12/20/06	05/14/07																																																												
<b>1.09.03.06.04 Utilities</b>																																																																
CF04033005	Install Underground Util Beam Transport Hall	20	09/18/06	10/13/06																																																												
<b>1.09.03.06.10 Project Close Out Beam Trans Hall</b>																																																																
CF04033053	Drawing Implementation to SLAC System	10	03/27/07	04/09/07																																																												
CF04033055	Building Commissioning Beam Transport Hall	10	03/27/07	04/09/07																																																												
CF04033040	AVAIL: Building Complete Beam Transport Hall	0		05/14/07																																																												
CF04033045	Project Punch List Beam Transport Hall	10	05/15/07	05/29/07																																																												
CF04033050	AVAIL: Beneficial Occupancy Beam Transport Hall	0		05/21/07																																																												
CF04033054	COMP: BTH Final Acceptance	0		05/29/07																																																												
CF04033052	COMP: Beam Transport Hall Title 3	0		07/06/07																																																												
<b>1.09.03.07 Undulator Hall</b>																																																																
CF06053000	Start Construction Undulator Facility	0	10/04/05																																																													
CF06053002	T3 Construction Undulator Facility	288	10/04/05	11/22/06																																																												
CF06054000	AE Engineering Support for Construction	288	10/04/05	11/22/06																																																												



Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.09.03.07.02 Structural</b>																																																																
CF06053015	Concrete Pad Undulator Facility	20	06/01/06	06/28/06																																																	■ Concrete Pad Undulator Facility											
CF06053020	Instl Bldg Shell Services Buildings (2) UF	80	06/09/06	10/02/06	Instl Bldg Shell Services Buildings (2) U																																																											
<b>1.09.03.07.03 Electrical</b>																																																																
CF06053065	Instl Interior Utilities Electrical	20	06/29/06	07/27/06																																																	■ Instl Interior Utilities Electrical											
<b>1.09.03.07.04 Utilities</b>																																																																
CF06053005	Install Underground Utilities	24	04/27/06	05/31/06																																																	■ Install Underground Utilities											
<b>1.09.03.07.05 HVAC</b>																																																																
CF06053025	Instl Interior Utilities HVAC	30	07/14/06	08/24/06																																																	■ Instl Interior Utilities HVAC											
<b>1.09.03.07.06 Special System - Fire Protection</b>																																																																
CF06053075	Instl Interior Utilities Fire Protection	10	09/01/06	09/15/06																																																	■ Instl Interior Utilities Fire Protection											
<b>1.09.03.07.07 Interior</b>																																																																
CF06053030	Install Interior Partitions Undulator Facility	10	10/03/06	10/16/06	Install Interior Partitions Undulator Facility																																																											
<b>1.09.03.07.09 Tunneling</b>																																																																
CF06053085	Tunneling UH	80	11/08/05	03/07/06																									■ Tunneling UH																																			
<b>1.09.03.07.10 Project Close Out Undulator Hall</b>																																																																
CF06053053	Drawing Implementation to SLAC System	10	08/28/06	09/11/06	Drawing Implementation to SLAC System																																																											
CF06053055	Building Commissioning Undulator Facility	10	08/28/06	09/11/06	Building Commissioning Undulator Facility																																																											
CF06053040	AVAIL: Building Complete Undulator Facility	0		10/16/06	AVAIL: Building Complete Undulator Facility																																																											
CF06053045	Project Punch List Undulator Facility	10	10/17/06	10/30/06																																																	■ Project Punch List Undulator Facility											
CF06053050	AVAIL: Beneficial Occupancy Undulator Facility	0		10/23/06																																																	◆ AVAIL: Beneficial Occupancy Undu											
CF06053054	COMP: Undulator Final Acceptance	0		10/30/06	COMP: Undulator Final Acceptance																																																											
CF06053052	COMP: Undulator Facility Title 3	0		11/22/06																																																	◆ COMP: Undulator Facility Title 3											
<b>1.09.03.08 Front End Enclosure</b>																																																																
CF07063000	Start Construction Front End Enclosure	0	10/04/05																																																		◆ Start Construction Front End Enclosure											
CF07064000	AE Engineering Support for Const	366	10/04/05	03/20/07																																																	■ AE Engineering Support for C											
CF07063002	T3 Construction Front End Enclosure	368	10/04/05	03/22/07																																																	■ T3 Construction Front End E											
<b>1.09.03.08.02 Structural</b>																																																																
CF07063015	Concrete Pad Front End Enclosure	10	12/26/06	01/09/07																																																	■ Concrete Pad Front End Enclosur											

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.09.03.08.03 Electrical</b>																																																																
CF07063065	Instl Interior Utilities Electrical	20	01/10/07	02/07/07																																					■ Instl Interior Utilities Electrical																							
<b>1.09.03.08.04 Utilities</b>																																																																
CF07063005	Install Underground Front End Enclosure	20	11/27/06	12/22/06													■ Install Underground Front End Enclosure																																															
<b>1.09.03.08.05 HVAC</b>																																																																
CF07063025	Instl Interior Utilities HVAC	20	01/25/07	02/22/07																																					■ Instl Interior Utilities HVAC																							
<b>1.09.03.08.06 Special System - Fire Protection</b>																																																																
CF07063075	Instl Interior Utilities Fire Protection	10	02/08/07	02/22/07																																					■ Instl Interior Utilities Fire Protection																							
<b>1.09.03.08.07 Interior</b>																																																																
CF07063030	Install Interior Partitions Front End Enclosure	5	02/23/07	03/01/07																																					■ Install Interior Partitions Front End Enclosure																							
<b>1.09.03.08.09 Tunneling</b>																																																																
CF07063010	Tunneling FEE	15	10/18/05	11/07/05																																					■ Tunneling FEE																							
<b>1.09.03.08.10 Project Close Out Front End Enclosure</b>																																																																
CF07063053	Drawing Implementation to SLAC System	10	01/12/07	01/26/07																																					■ Drawing Implementation to SLAC System																							
CF07063055	Building Commissioning Front End Enclosure	10	01/12/07	01/26/07																																					■ Building Commissioning Front End Enclosure																							
CF07063040	AVAIL: Building Complete Front End Enclosure	0		03/01/07																																					◆ AVAIL: Building Complete Front End Enclosure																							
CF07063045	Project Punch List Front End Enclosure	15	03/02/07	03/22/07																																					■ Project Punch List Front End Enclosure																							
CF07063050	AVAIL: Beneficial Occupancy Front End Enclosure	0		03/12/07																																					◆ AVAIL: Beneficial Occupancy Front End Enclosure																							
CF07063052	COMP: Front End Enclosure Title 3	0		03/22/07																																					◆ COMP: Front End Enclosure Title 3																							
CF07063054	COMP: FEE Final Acceptance	0		03/22/07																																					◆ COMP: FEE Final Acceptance																							
<b>1.09.03.09 Beam Dump</b>																																																																
CF08073000	Start Construction Beam Dump	0	10/04/05																																						◆ Start Construction Beam Dump																							
CF08074000	AE Engineering Support for Construction	426	10/04/05	06/13/07																																					■ AE Engineering Support																							
CF08073002	T3 Construction Beam Dump	439	10/04/05	07/02/07																																					■ T3 Construction Beam Dump																							
<b>1.09.03.09.02 Structural</b>																																																																
CF08073025	Tunneling Beam Dump	10	10/04/05	10/17/05																																					■ Tunneling Beam Dump																							
CF08073015	Concrete Beam Dump	40	01/10/07	03/08/07																																					■ Concrete Beam Dump																							
CF08073020	Install Building Misc Beam Dump	10	03/30/07	04/12/07																																					■ Install Building Misc Beam Dump																							
<b>1.09.03.09.03 Electrical</b>																																																																
CF08073065	Install Interior Utilities Electrical Beam Dump	10	02/08/07	02/22/07																																					■ Install Interior Utilities Electrical Beam Dump																							

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.09.03.09.03 Electrical</b>																																																																
CF08073060	Install Steel Shielding	15	03/09/07	03/29/07																																																	■ Install Steel Shielding											
<b>1.09.03.09.04 Utilities</b>																																																																
CF08073005	Install Underground Utilities Beam Dump	10	12/26/06	01/09/07																																																	■ Install Underground Utilities Beam Dump											
<b>1.09.03.09.06 Special System (Fire Protection) Beam Dump</b>																																																																
CF08073075	Install Interior Utilities Fire Prot Beam Dump	10	02/23/07	03/08/07																																																	■ Install Interior Utilities Fire Prot Beam Dump											
<b>1.09.03.09.10 Project Close Out Beam Dump</b>																																																																
CF08073053	Drawing Implementation to SLAC System	10	02/23/07	03/08/07																																																	■ Drawing Implementation to SLAC System											
CF08073055	Building Commissioning Beam Dump	10	02/23/07	03/08/07																																																	■ Building Commissioning Beam Dump											
CF08073040	AVAIL: Building Complete Beam Dump	0		04/12/07																																																	◆ AVAIL: Building Complete Beam Dump											
CF08073045	Project Punch List Beam Dump	10	04/13/07	04/26/07																																																	■ Project Punch List Beam Dump											
CF08073050	AVAIL: Beneficial Occupancy Beam Dump	0		04/19/07																																																	◆ AVAIL: Beneficial Occupancy Beam Dump											
CF08073052	COMP: Beam Dump Title 3	0		07/02/07																																																	◆ COMP: Beam Dump Title 3											
CF08073054	COMP: Beam Dump Final Acceptance	0		07/02/07																																																	◆ COMP: Beam Dump Final Acceptance											
<b>1.09.03.10 Near Experimental Hall</b>																																																																
CF09083000	Start Construction Near Experimental Hall	0	10/04/05																																																		◆ Start Construction Near Experimental Hall											
CF09083002	T3 Construction Near Experimental Hall	260	10/04/05	10/13/06																																																	■ T3 Construction Near Experimental Hall											
CF09084000	AE Engineering Support for Construction	260	10/04/05	10/13/06																																																	■ AE Engineering Support for Construction											
<b>1.09.03.10.01 Site Preparation</b>																																																																
CF09083010	Sitework Near Experimental Hall	20	11/01/05	11/30/05																																																	■ Sitework Near Experimental Hall											
<b>1.09.03.10.02 Structural</b>																																																																
CF09083015	Concrete Pad Near Experimental Hall	10	12/01/05	12/14/05																																																	■ Concrete Pad Near Experimental Hall											
CF09083020	Install Building Shell Near Experimental Hall	80	12/30/05	04/25/06																																																	■ Install Building Shell Near Experimental Hall											
CF09083060	Concrete Enclosures Near Experimental Hall	20	04/26/06	05/23/06																																																	■ Concrete Enclosures Near Experimental Hall											
<b>1.09.03.10.03 Electrical</b>																																																																
CF09083065	Instl Interior Utilities Electrical	40	04/26/06	06/21/06																																																	■ Instl Interior Utilities Electrical											
<b>1.09.03.10.04 Utilities</b>																																																																
CF09083005	Install Underground Utilities Near Exper Hall	20	10/04/05	10/31/05																																																	■ Install Underground Utilities Near Exper Hall											
<b>1.09.03.10.05 HVAC</b>																																																																
CF09083025	Instl Interior Utilities HVAC	40	05/24/06	07/20/06																																																	■ Instl Interior Utilities HVAC											

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.09.03.10.06 Special System - Fire Protection</b>																																																																
CF09083075	Instl Interior Utilities Fire Protection	20	07/07/06	08/03/06																																																	■ Instl Interior Utilities Fire Protection											
<b>1.09.03.10.07 Interior</b>																																																																
CF09083030	Install Interior Partitions NEH	20	04/26/06	05/23/06																																																	■ Install Interior Partitions NEH											
CF09083035	Interior Finishes Complete NEH	20	08/04/06	08/31/06																																																	■ Interior Finishes Complete NEH											
<b>1.09.03.10.10 Project Close Out Near Experimental Hall</b>																																																																
CF09083053	Drawing Implementation to SLAC System	10	07/14/06	07/27/06																																																	■ Drawing Implementation to SLAC System											
CF09083055	Building Commissioning Near Experimental Hall	10	07/14/06	07/27/06																																																	■ Building Commissioning Near Experim											
CF09083040	AVAIL: Building Complete Near Experimental Hall	0		08/31/06																																																	◆ AVAIL: Building Complete Near Exper											
CF09083045	Project Punch List Near Experimental Hall	10	09/01/06	09/15/06	Project Punch List Near Experimental Hall																																																■											
CF09083050	AVAIL: Beneficial Occupancy NEH	0		09/08/06																																																	◆ AVAIL: Beneficial Occupancy NEH											
CF09083054	COMP: NEH Final Acceptance	0		09/15/06																																																	◆ COMP: NEH Final Acceptance											
CF09083052	COMP: NEH Title 3	0		10/13/06																																																	◆ COMP: NEH Title 3											
<b>1.09.03.11 X-Ray Transport &amp; Diagnostic Hall</b>																																																																
CF10094010	AE Engineering Support for Construction	320	12/01/05	03/12/07																									████████████████████												AE Engineering Support for C																							
<b>1.09.03.11.01 Site Preparation</b>																																																																
CF10093000	Start X-Ray Transport Diagnostics	0	04/26/06																																																		◆ Start X-Ray Transport Diagnostics											
<b>1.09.03.11.02 Structural</b>																																																																
CF10093015	Concrete Pad X-Ray Transport Diagnostics Tunnel	40	07/07/06	08/31/06																																																	■ Concrete Pad X-Ray Transport Diagnos											
<b>1.09.03.11.03 Electrical</b>																																																																
CF10093065	Instl Interior Electrical X-Ray Transport	20	09/18/06	10/13/06																																																	Instl Interior Electrical X-Ray Transpo■											
<b>1.09.03.11.04 Utilities</b>																																																																
CF10093005	Install Underground Utilities X-Ray Transport	50	04/26/06	07/06/06																																																	■ Install Underground Utilities X-Ray Transp											
<b>1.09.03.11.05 HVAC</b>																																																																
CF10093025	Instl Interior HVAC X-Ray Transport Diagonistics	20	10/02/06	10/27/06																																																	■ Instl Interior HVAC X-Ray Transport											
<b>1.09.03.11.06 Special System - Fire Protection</b>																																																																
CF10093075	Instl Interior Fire Protection X-Ray Transport	20	10/16/06	11/10/06																																																	Instl Interior Fire Protection X-Ray Transpo■											
<b>1.09.03.11.07 Interiors</b>																																																																
CF10093035	Install Interior Finishes X-Ray Transport Diagn	45	11/13/06	01/19/07																																																	Install Interior Finishes X-Ray Transport Diag■											

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.09.03.11.09 Tunneling</b>																																																																
CF10093083	Start Construction X-Ray Transport Diagnostics	0	12/01/05																																																													
CF10093085	Tunneling X-Ray Transport Diagnostics	100	12/01/05	04/25/06																																																												
CF10093084	T3 Construction X-Ray Transport Diagnostics	399	12/01/05	07/02/07																																																												
<b>1.09.03.11.10 Project Close Out X-Ray Transport &amp; Diagonistic</b>																																																																
CF10093053	Drawing Implementation to SLAC System	10	12/01/06	12/14/06																																																												
CF10093055	Building Commissioning X-Ray Transport	10	12/01/06	12/14/06																																																												
CF10093040	AVAIL: Building Complete X-ray Transport	0		01/19/07																																																												
CF10093045	Project Punch List X-Ray Transport	15	01/22/07	02/09/07																																																												
CF10093050	AVAIL: Beneficial Occupancy X-Ray Transport	0		01/30/07																																																												
CF10093052	COMP: X-Ray Transport Title 3	0		07/02/07																																																												
CF10093054	COMP: X-Ray Transpt & Diag Hall Final Acceptance	0		07/02/07																																																												
<b>1.09.03.12 Far Experimental Hall</b>																																																																
CF11104000	AE Engineering Support for Construction	221	04/26/06	03/13/07																																																												
CF11103002	T3 Construction Far Experimental Hall	601	04/26/06	09/15/08																																																												
CF11103000	Start Construction Far Experimental Hall	0	10/16/06																																																													
<b>1.09.03.12.02 Structural</b>																																																																
CF11103015	Concrete Pad Far Experimental Hall	10	11/13/06	11/28/06																																																												
CF11103020	Experimental Enclosures Far Experimental Hall	15	11/29/06	12/19/06																																																												
<b>1.09.03.12.03 Electrical</b>																																																																
CF11103065	Instl Interior Utilities Electrical	20	02/20/07	03/19/07																																																												
<b>1.09.03.12.04 Utilities</b>																																																																
CF11103005	Install Underground Utilities Far Exper Hall	20	10/16/06	11/10/06																																																												
<b>1.09.03.12.05 HVAC</b>																																																																
CF11103025	Instl Interior Utilities HVAC	30	03/06/07	04/16/07																																																												
<b>1.09.03.12.06 Special System - Fire Protection</b>																																																																
CF11103075	Instl Interior Utilities Fire Protection	20	03/27/07	04/23/07																																																												
<b>1.09.03.12.07 Interiors</b>																																																																
CF11103030	Install Interior Partitions Far Experimental Hal	40	12/20/06	02/16/07																																																												

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.09.03.12.07 Interiors</b>																																																																
CF11103035	Interior Finishes Complete Far Experimental Hall	15	04/24/07	05/14/07	Interior Finishes Complete Far Experimental Hall																																																											
<b>1.09.03.12.09 Tunneling</b>																																																																
CF11103085	Tunneling Far Experimental Hall	120	04/26/06	10/13/06	Tunneling Far Experimental Hall																																																											
<b>1.09.03.12.10 Project Close Out Far Experimental Hall</b>																																																																
CF11103055	Building Commissioning Far Experimental Hall	10	03/27/07	04/09/07	Building Commissioning Far Experimental Hall																																																											
CF11103053	Drawing Implementation to SLAC System	10	04/10/07	04/23/07	Drawing Implementation to SLAC System																																																											
CF11103040	AVAIL: Building Complete Far Experimental Hall	0		05/14/07	AVAIL: Building Complete Far Experimental Hall																																																											
CF11103045	Project Punch List Far Experimental Hall	10	05/15/07	05/29/07	Project Punch List Far Experimental Hall																																																											
CF11103050	AVAIL:Beneficial Occupancy Far Experimental Hall	0		05/21/07	AVAIL:Beneficial Occupancy Far Experimental Hall																																																											
CF11103052	COMP: Far Experimental Hall Title 3	0		05/29/07	COMP: Far Experimental Hall Title 3																																																											
CF11103054	COMP: FEH Final Acceptance	0		05/29/07	COMP: FEH Final Acceptance																																																											
CF11103060	Comp: All Areas Except CLOC	0		09/15/08	Comp: All Areas Except CLOC																																																											
<b>1.09.03.13 Central Lab Office Bldg (CLOB)</b>																																																																
CF13013000	Start Construction Central Lab Office Center	0	04/03/06*		Start Construction Central Lab Office Center																																																											
CF13014000	AE Engineering Support for Construction	325	04/03/06	07/16/07	AE Engineering Support for Construction																																																											
CF13014005	UTR Support for Construction	325	04/03/06	07/16/07	UTR Support for Construction																																																											
CF13013002	T3 Construction Central Lab Office Center	501	04/03/06*	03/31/08	T3 Construction Central Lab Office Center																																																											
<b>1.09.03.13.01 Site Preparation</b>																																																																
CF13013010	Sitework Central Lab Office Center (CLOC)	40	05/08/06	07/03/06	Sitework Central Lab Office Center (CLOC)																																																											
<b>1.09.03.13.02 Structural</b>																																																																
CF13013015	Concrete Pad Central Lab Office Center (CLOC)	15	07/05/06	07/25/06	Concrete Pad Central Lab Office Center (CLOC)																																																											
CF13013020	Install Building Shell Central Lab Office Ctr	140	08/09/06	03/01/07	Install Building Shell Central Lab Office Ctr																																																											
<b>1.09.03.13.03 Electrical</b>																																																																
CF13013065	Instl Interior Utilities Electrical	40	03/02/07	04/26/07	Instl Interior Utilities Electrical																																																											
<b>1.09.03.13.04 Utilities</b>																																																																
CF13013005	Install Underground Central Lab Office Center	20	04/03/06	04/28/06	Install Underground Central Lab Office Center																																																											
<b>1.09.03.13.05 HVAC</b>																																																																
CF13013025	Instl Interior HVAC	40	03/30/07	05/24/07	Instl Interior HVAC																																																											

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>1.09.03.13.06 Special System - Fire Protection</b>																																																																
CF13013075	Instl Interior Utilities Fire Protection	40	04/27/07	06/22/07																									Instl Interior Utilities Fire Protection																																			
<b>1.09.03.13.07 Interior</b>																																																																
CF13013030	Install Interior Partitions CLOC	40	06/25/07	08/20/07																									Install Interior Partitions CLOC																																			
CF13013035	Interior Finishes Complete CLOC	20	07/31/07	08/27/07																									Interior Finishes Complete CLOC																																			
<b>1.09.03.13.10 Project Close Out CLOB</b>																																																																
CF13013053	Drawing Implementation to SLAC System	10	07/10/07	07/23/07																									Drawing Implementation to SLAC System																																			
CF13013055	Building Commissioning Central Lab Office Ctr	10	07/10/07	07/23/07																									Building Commissioning Central Lab Office Ctr																																			
CF13013040	AVAIL: Building Complete CLOC	0		08/27/07																									AVAIL: Building Complete CLOC																																			
CF13013045	Project Punch List Central Lab Office Ctr	10	08/28/07	09/11/07																									Project Punch List Central Lab Office Ctr																																			
CF13013050	AVAIL: Beneficial Occupancy CLOC	0		09/04/07																									AVAIL: Beneficial Occupancy CLOC																																			
CF13013052	COMP: Central Lab Office Ctr (CLOC) Title 3	0		09/11/07																									COMP: Central Lab Office Ctr (CLOC) Title 3																																			
CF13013054	COMP: Central Lab Office Ctr Final Acceptance	0		09/11/07																									COMP: Central Lab Office Ctr Final Acceptance																																			
CF13013060	COMP: Central Lab Office Ctr	0		03/31/08																									COMP: Central Lab Office Ctr																																			
<b>2 LCLS PROJECT - R&amp;D, SPARES, COMMISSIONING</b>																																																																
<b>2.01 LCLS PROJECT MGMT, PLANNING &amp; ADMN (OPC)</b>																																																																
<b>2.01.01 Physics Support (OPC)</b>																																																																
<b>2.01.01.01 SAC-MAC Physics</b>																																																																
PM210_0290	MAC Physicists (R&D)	247	10/04/04	09/27/05																									MAC Physicists (R&D)																																			
PM210_0360	MAC Physicists (PreOps)	741	10/03/05	09/12/08																									MAC Physicists (PreOps)																																			
<b>2.01.01.02 Injector Physics</b>																																																																
PM210_030X	Injector Physicists (PreCD2b)	495	10/02/03A	02/27/04A																																																												
PM210_0300	Injector Physicists (R&D)	376*	04/01/04A	09/27/05																									Injector Physicists (R&D)																																			
PM210_0370	Injector Physicists (PreOps)	741	10/03/05	09/12/08																									Injector Physicists (PreOps)																																			
<b>2.01.01.03 Linac Physics</b>																																																																
PM210_031X	Linac Physicists (PreCD2b)	495	10/02/03A	02/27/04A																																																												
PM210_0310	Linac Physicists (R&D)	376*	04/01/04A	09/27/05																									Linac Physicists (R&D)																																			
PM210_0380	Linac Physicists (PreOps)	741	10/03/05	09/12/08																									Linac Physicists (PreOps)																																			





Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>2.01.01.11 Global Controls OPC</b>																																																																
PM20101A05	RF Conditioning Controls Commissioning	45	08/10/06	10/12/06	RF Conditioning Controls Commissioning																																																											
PM20101B05	L1-BC1 Controls Commissioning	28	10/16/06	11/22/06													L1-BC1 Controls Commissioning																																															
PM20101A15	RF Gun Ops with Beam-Controls Commissioning-B	14	03/09/07	03/28/07	RF Gun Ops with Beam-Controls Commissioning-B																																																											
PM20101A10	RF Gun Ops with Beam-Controls Commissioning-A	65	03/09/07	06/08/07	RF Gun Ops with Beam-Controls Commissioning-A																																																											
PM20101A20	L0-1&L0-2 Controls Commissioning	65	03/29/07	06/28/07													L0-1&L0-2 Controls Commissioning																																															
PM20101A30	DL1 Controls Commissioning	28	04/11/07	05/18/07													DL1 Controls Commissioning																																															
PM20101A25	L0&SAB Controls Commissioning	24	04/24/07	05/25/07													L0&SAB Controls Commissioning																																															
PM20101B15	LTU + Dump Controls Commissioning	38	06/28/07	08/21/07													LTU + Dump Controls Commissioning																																															
PM20101B10	L2-BC2-L3 Controls Commissioning	35	09/17/07	11/02/07													L2-BC2-L3 Controls Commissioning																																															
PM20101A35	Injector Controls Optimization Commissioning	247	10/02/07	09/25/08													Injector Controls Optimization Commissioning																																															
PM20101B20	Linac Controls Optimization Commissioning	247	10/02/07	09/25/08													Linac Controls Optimization Commissioning																																															
<b>2.01.02 R&amp;D Studies &amp; Prototyping</b>																																																																
PM210_026X	R&D Studies & Prototyping	495	10/02/03A	02/27/04A	R&D Studies & Prototyping																																																											
PM210_0260	R&D Studies & Prototyping	354*	05/03/04A	09/27/05	R&D Studies & Prototyping																																																											
PM210_0265	Low Level Applications R&D	333	06/01/04*	09/26/05	Low Level Applications R&D																																																											
PM210_0275	Low Level Applications Commissioning	742	10/03/05	09/15/08													Low Level Applications Commissioning																																															
<b>2.01.03 Project Mgmt, Planning and Admn - M&amp;S (OPC)</b>																																																																
PM210_0440	Physics Programmatic Travel (R&D)	250*	10/04/04	09/30/05	Physics Programmatic Travel (R&D)																																																											
PM210_0460	SAC/MAC Travel (R&D)	250*	10/04/04	09/30/05	SAC/MAC Travel (R&D)																																																											
PM210_0450	Physics Programmatic Travel (PreOps)	741	10/03/05	09/12/08	Physics Programmatic Travel (PreOps)																																																											
PM210_0470	SAC/MAC Travel (PreOps)	741	10/03/05	09/12/08	SAC/MAC Travel (PreOps)																																																											
PM210_0480	Pre-ops Electrical Power Usage (1.5k hrs) - 2007	246	10/03/06	09/24/07													Pre-ops Electrical Power Usage (1.5k hrs) - 2007																																															
PM210_0490	Pre-ops Electrical Power Usage (3.0k hrs) - 2008	247	10/02/07	09/25/08													Pre-ops Electrical Power Usage (3.0k hrs) - 2008																																															
PM210_0500	Pre-ops Electrical Power Usage (OPTION A) - 2008	247	10/02/07	09/25/08													Pre-ops Electrical Power Usage (OPTION A) - 2008																																															
<b>2.02 INJECTOR SYSTEM (OPC)</b>																																																																
IJ_OPSPR	Injector OPC Spares Complete	0		08/17/07																																																	Injector OPC Spares Complete											

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04				FY05				FY06				FY07				FY08					
<b>2.02.02 Injector Controls Subsystem</b>																										
<b>2.02.02.01 EPICS VXI Control Modules</b>																										
IJ22210000	Define Injector Timing module Reqmts	21	06/01/04*	06/29/04																						
IJ2221	INJECTOR TIMING MODULES SUMMARY	799	06/01/04	08/02/07																						
IJ22210005	COMP: Injector Timing Module Rqmts Def	0		06/29/04																						
IJ22210010	Prep Bid Pak-Injector Timing modules	42	06/30/04	08/27/04																						
IJ22210015	RELEASE: RFP-Injector Timing modules	0		08/27/04																						
IJ22210020	Vendors Prep Prop-Injector Timing Modules	21	08/30/04	09/28/04																						
IJ22210025	RCV: Prop-Injector Timing modules	0		09/28/04																						
IJ22210030	Evaluate Vendor Proposals	10	09/29/04	10/12/04																						
IJ22210035	AWARD: Build Injector Timing(27 sys 2 boards ea)	1	10/13/04	10/13/04																						
IJ22210045	Manage/Work with Vendor	70	10/14/04	01/27/05																						
IJ22210050	RCV: Injector Timing Modules from Vendor	0		01/27/05																						
IJ22210070	Write Test Docs - Injector Timing modules	5	01/28/05	02/03/05																						
IJ22210065	Procure cables	21	01/28/05	02/28/05																						
IJ22210060	Procure VME crate (1) w/IOC(1), VxWorks license	42	01/28/05	03/29/05																						
IJ22210080	RCV: Procured parts	0		03/29/05																						
IJ22210083	Assemble procured parts	18	03/30/05	04/22/05																						
IJ22210085	AVAIL: Test Stand Installed in Test Lab	0		04/22/05																						
IJ22210120	AWARD: 1st Articles	1	01/03/06*	01/03/06																						
IJ22210125	Fabricate 1st Articles	62	01/04/06	04/03/06																						
IJ22210130	Test Prototype	30	04/04/06	05/15/06																						
IJ22210135	Write SLC Aware time service for the IOC	252	05/16/06	05/15/07																						
IJ22210140	Understand the SLC Timex protocol	252	05/16/06	05/15/07																						
IJ22210145	Understand the SLC DBEX protocol	252	05/16/06	05/15/07																						
IJ22210150	Understand the SLC Message protocol	252	05/16/06	05/15/07																						
IJ22210155	Protocol Arbiter	252	05/16/06	05/15/07																						

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>2.02.02.01 EPICS VXI Control Modules</b>																																																																
IJ22210116	Implement Fast-feedback in the IOC	120	07/13/06	01/03/07	Implement Fast-feedback in the IOC																																																											
IJ22210090	Procure Master & Distributed Timing Hardware	63	10/03/06	01/03/07	Procure Master & Distributed Timing Hardware																																																											
IJ22210095	Procure Splitter to Main Drive Line (MDL) 476 MH	63	10/03/06	01/03/07	Procure Splitter to Main Drive Line																																																											
IJ22210100	Procure Fiducial Output Module	63	10/03/06	01/03/07	Procure Fiducial Output Module																																																											
IJ22210105	Procure Fiducial RF Amplifier	63	10/03/06	01/03/07	Procure Fiducial RF Amplifier																																																											
IJ22210110	Procure SLCnet cable to MPG micro 360 Hz signal	63	10/03/06	01/03/07	Procure SLCnet cable to MPG micro																																																											
IJ22210115	Procure Timing System Heliac Cableplant	63	10/03/06	01/03/07	Procure Timing System Heliac Cableplant																																																											
IJ22210001	Controls Commissioning	210	10/03/06*	08/02/07	Controls Commissioning																																																											
IJ22210117	Port Fast-feedback software from Kissnet to Ether	20	01/04/07	02/01/07	Port Fast-feedback software from Kissnet to Ether																																																											
IJ22210055	Procure SLCnet cable to MPG micro 360 Hz signal	10	02/02/07	02/15/07	Procure SLCnet cable to MPG micro 360 Hz signal																																																											
IJ22210075	Install access to PEP-II timing signal, control	1	02/16/07	02/16/07	Install access to PEP-II timing signal, control																																																											
IJ22210160	Write Test S/W - Injector Timing modules	10	05/16/07	05/30/07	Write Test S/W - Injector Timing modules																																																											
IJ22210165	Integrate software & hardware	10	05/31/07	06/13/07	Integrate software & hardware																																																											
IJ22210170	Integrate with SLC Timing Sys	20	06/14/07	07/12/07	Integrate with SLC Timing Sys																																																											
IJ22210175	Perform lab tests on Injector Timing modules	20	06/14/07	07/12/07	Perform lab tests on Injector Timing modules																																																											
IJ22210180	AVAIL: Injector Timing Ready for Install	0		07/12/07	AVAIL: Injector Timing Ready for Install																																																											
<b>2.02.02.02 LLRF Controls</b>																																																																
IJ02020042	Design Low Level RF Controls	131	08/02/04*	02/09/05	Design Low Level RF Controls																																																											
IJ02020050	COMP: LLRF Gun Controls @ Sec20/21 Design	0		02/09/05	COMP: LLRF Gun Controls @ Sec20/21 Design																																																											
<b>2.02.02.03 E-Beam Diagnostics Controls</b>																																																																
<b>2.02.02.03.02 Controls - Toroids</b>																																																																
IJ02030211	Design Toroid Controls	56	11/08/05	01/31/06	Design Toroid Controls																																																											
IJ02030214	COMP: Toroid Controls Design	0		01/31/06	COMP: Toroid Controls Design																																																											
<b>2.02.02.03.03 Controls - Faraday Cup</b>																																																																
IJ02030311	Design Faraday Cup Controls	15	10/04/04	10/22/04	Design Faraday Cup Controls																																																											
IJ02030314	COMP: Faraday Cup Controls Design	0		10/22/04	COMP: Faraday Cup Controls Design																																																											

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>2.02.02.03.04 Controls - Tune-Up Dump</b>																																																																
IJ02030411	Design Tune-up Dump Controls	55	11/20/06	02/09/07																																																	Design Tune-up Dump Controls											
IJ02030414	COMP: Tune-Up Dump Controls	0		02/09/07																																																	COMP: Tune-Up Dump Controls											
<b>2.02.02.03.05 Controls - Profile Monitors</b>																																																																
IJ02030511	Design Profile Monitor Controls	1	10/04/04	10/04/04																																																	Design Profile Monitor Controls											
IJ02030514	COMP: Profile Monitor Controls Design	0		10/04/04																																																	COMP: Profile Monitor Controls Design											
<b>2.02.02.03.06 Control - EO Diagnostic</b>																																																																
IJ02030611	Design EO Diagnostics	55	10/28/05	01/19/06																																																	Design EO Diagnostics											
IJ02030614	COMP: EO Diagnostic Controls Design	0		01/19/06																																																	COMP: EO Diagnostic Controls Design											
<b>2.02.02.03.07 Controls - BPM Processor Module</b>																																																																
IJ02030711	Design BPM Controls	55	10/04/04	12/21/04																																																	Design BPM Controls											
IJ020307	CONTROLS - BPM PROCESSOR MODULE (21) SUMMARY	63	10/04/04	01/05/05																																																	CONTROLS - BPM PROCESSOR MODULE (21) SUMMARY											
IJ02030716	COMP: BPM Processor Module Controls Design	0		01/05/05																																																	COMP: BPM Processor Module Controls Design											
<b>2.02.03 Injector Lasers</b>																																																																
<b>2.02.03.01 Drive Laser Prototyping</b>																																																																
IJ03010000	Def R&D effort for UV converters (ANL/SLAC)	22	04/01/04A	04/30/04A																																																	Def R&D effort for UV converters (ANL/SLAC)											
IJ03010005	Def R&D effort temp Pulse Shaping(BNL/IFNL/SLAC)	22	04/01/04A	04/30/04A																																																	Def R&D effort temp Pulse Shaping(BNL/IFNL/SLAC)											
IJ0301	DRIVE LASER R&D SUMMARY	185	04/01/04A	12/22/04																																																	DRIVE LASER R&D SUMMARY											
IJ03010015	HW spec for ANL R&D effort (UV converters)	84*	05/03/04A	08/30/04																																																	HW spec for ANL R&D effort (UV converters)											
IJ03010035	Expnt Planning for Pulse Shaping (BNL/IFNL/SLAC)	55*	06/16/04A	09/01/04																																																	Expnt Planning for Pulse Shaping (BNL/IFNL/SLAC)											
IJ03010025	UV conversion tests	90	08/02/04	12/08/04																																																	UV conversion tests											
IJ03010020	Procure parts for ANL (UV conv)	60	08/31/04	11/23/04																																																	Procure parts for ANL (UV conv)											
IJ03010040	Pulse Shaper Test & E-Beam Studies (R&D)	62	09/02/04	12/01/04																																																	Pulse Shaper Test & E-Beam Studies (R&D)											
IJ03010060	Pulse Shaping R&D M&S	62	09/02/04	12/01/04																																																	Pulse Shaping R&D M&S											
IJ03010045	Analysis and final report (Pulse Shaping)	10	12/02/04	12/15/04																																																	Analysis and final report (Pulse Shaping)											
IJ03010030	Analysis and final report (UV converters)	10	12/09/04	12/22/04																																																	Analysis and final report (UV converters)											
IJ03010090	COMP: Pulse Shaping R&D	0		12/15/04																																																	COMP: Pulse Shaping R&D											
IJ03010050	COMP: UV conversion R&D	0		12/22/04																																																	COMP: UV conversion R&D											

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>2.02.03.02 Drive Laser Oscillator</b>																																																																
IJ22320000	Drive Laser Spares	221	10/03/06	08/17/07																																					Drive Laser Spares																							
<b>2.02.04 RF Gun &amp; Load Lock</b>																																																																
<b>2.02.04.01 RF Gun</b>																																																																
IJ22410000	RF Gun R&D (GTF)	471*	04/01/04A	02/14/06	RF Gun R&D (GTF)																																																											
<b>2.02.04.02 RF Gun Supports</b>																																																																
IJ22420000	RF Gun Spares	221	10/03/06	08/17/07																																					RF Gun Spares																							
<b>2.02.04.03 Gun Load Lock</b>																																																																
IJ22430000	RF Gun Load Lock Spares	221	10/03/06	08/17/07													RF Gun Load Lock Spares																																															
<b>2.02.05 Gun to Linac Section (GTL)</b>																																																																
<b>2.02.05.02 GTL Faraday Cup/YAG1</b>																																																																
IJ22520000	GTL Spares	221	10/03/06	08/17/07																																					GTL Spares																							
<b>2.02.06 Injector Linac Structures</b>																																																																
<b>2.02.06.02 L0-2 Structure Assembly</b>																																																																
IJ22620000	Linac Spares	221	10/03/06	08/17/07																																					Linac Spares																							
<b>2.02.07 L0-1 to L0-2 Section (L0-1TL0-2)</b>																																																																
<b>2.02.07.02 L0-1TL0-2 BPMs ( )</b>																																																																
IJ22720000	L0-1 to L0-2 Spares	221	10/03/06	08/17/07																																					L0-1 to L0-2 Spares																							
<b>2.02.08 Linac to DL1 (LTDL1)</b>																																																																
<b>2.02.08.02 LTDL1 BPMs ( )</b>																																																																
IJ22820000	Linac to DL1 Spares	221	10/03/06	08/17/07																																					Linac to DL1 Spares																							
<b>2.02.09 Dog Leg 1 Bend (DL1)</b>																																																																
<b>2.02.09.02 DL1 QB Quadrupole</b>																																																																
IJ22920000	DL1 Spares	221	10/03/06	08/17/07																																					DL1 Spares																							
<b>2.02.10 DL1 to Linac (DL1TL)</b>																																																																
<b>2.02.10.02 DL1TL Steering Coils ( X-Y Assys)</b>																																																																
IJ22A20000	DL1 to Linac Spares	221	10/03/06	08/17/07																																					DL1 to Linac Spares																							
<b>2.02.11 Straight Ahead Beamline (SAB)</b>																																																																
<b>2.02.11.02 SAB Quadrupoles ( )</b>																																																																
IJ22B20000	SAB Spares	221	10/03/06	08/17/07																																					SAB Spares																							

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>2.02.12 Injector RF Waveguide Subsystem</b>																																																																
<b>2.02.12.02 RF Waveguide Supports</b>																																																																
IJ22C20000	RF Waveguides Spares	221	10/03/06	08/17/07																									RF Waveguides Spares																																			
<b>2.02.14 Cathode Processing (CP) Station</b>																																																																
<b>2.02.14.02 CP Load Lock</b>																																																																
IJ22E20000	CP Spares	221	10/03/06	08/17/07																																					CP Spares																							
<b>2.02.15 Injector Laser Heater Subsystem</b>																																																																
<b>2.02.15.02 Beam Conditioning Optics (Laser Bay)</b>																																																																
IJ15020000	Procure Laser Heater Optics Spares	21	10/03/06	10/31/06																																					Procure Laser Heater Optics Spares																							
<b>2.02.15.08 Reserved</b>																																																																
IJ15080007	REQD:Complete Chicane Installation	0		07/25/06																																					REQD:Complete Chicane Installation																							
IJ1508	TESTING AND COMMISSIONING SUMMARY	337	07/26/06	11/26/07																																					TESTING AND C																							
IJ15080009	REQD:Complete Laser Heater Controls	0		09/20/06													REQD:Complete Laser Heater Controls																																															
IJ15080011	REQD:Complete Spectrometer	0		10/31/06																																					REQD:Complete Spectrometer																							
IJ15080008	REQD:Complete Undulator Installation	0		04/20/07													REQD:Complete Undulator Installation																																															
IJ15080040	COMP: Laser Heater Commissioning	0		11/26/07																									COMP: Laser Heater Commissioning																																			
<b>2.02.16 Injector Power Conversion Subsystem</b>																																																																
<b>2.02.16.01 Personnel Protection System (PPS) R&amp;D</b>																																																																
IJ16020000	PLC PPS Design Evaluation	63	06/25/04A	08/27/04	PLC PPS Design Evaluation																																																											
IJ16020006		1	06/01/04	06/01/04																																																												
IJ16020005	COMP: PLC PPS Design Evaluation	0		08/27/04													COMP: PLC PPS Design Evaluation																																															
IJ16010042	BSOIC Design	8	12/15/04	12/28/04													BSOIC Design																																															
IJ16010044	BSOIC Drafting	9	12/29/04	01/11/05													BSOIC Drafting																																															
IJ16010046	Conduct Design Review	1	01/12/05	01/12/05													Conduct Design Review																																															
IJ16010225	Prep Bid Pak - BSOIC	15	01/13/05	02/03/05													Prep Bid Pak - BSOIC																																															
IJ16010230	RELEASE: RFP - BSOIC	0		02/03/05													RELEASE: RFP - BSOIC																																															
IJ16010235	Vendors Prep Proposals - BSOIC	20	02/04/05	03/04/05													Vendors Prep Proposals - BSOIC																																															
IJ16010240	RCV: Proposals - BSOIC	0		03/04/05													RCV: Proposals - BSOIC																																															
IJ16010245	Evaluate Proposals - BSOIC	15	03/07/05	03/25/05													Evaluate Proposals - BSOIC																																															

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>2.02.16.01 Personnel Protection System (PPS) R&amp;D</b>																																																																
IJ16010250	AWARD: Contract - BSOIC	1	03/28/05	03/28/05	AWARD: Contract - BSOIC																																																											
IJ16010255	Vendor Fab/Assy - BSOIC	180	03/29/05	12/12/05	Vendor Fab/Assy - BSOIC																																																											
IJ16010260	RCV: from Vendor - PPS BSOIC	0		12/12/05	RCV: from Vendor - PPS BSOIC																																																											
IJ16010275	Fab and Pre Assemble Components (as required)	20	12/13/05	01/11/06	Fab and Pre Assemble Components (as required)																																																											
IJ16010280	Conduct Design Review	1	01/12/06	01/12/06	Conduct Design Review																																																											
IJ16010282	Conduct SLAC Citizen Committee Review	30	01/13/06	02/27/06	Conduct SLAC Citizen Committee Review																																																											
IJ16010286	COMP: Injector PPS Component Fab & Assembly	0		02/27/06	COMP: Injector PPS Component Fab & Assembly																																																											
IJ16010288	Perform Pre-Install Qual Test on Injector PPS	20	02/28/06	03/27/06	Perform Pre-Install Qual Test on Injector PPS																																																											
IJ16010290	AVAIL: Injector PPS Equip ready for Install	0		03/27/06	AVAIL: Injector PPS Equip ready for Install																																																											
<b>2.02.16.04 Power Conv (beamline pwr supp) Spares</b>																																																																
IJ16020400	Procure 12 AMP MCOR Modules (2)-Spares	120	10/03/06*	03/27/07	Procure 12 AMP MCOR Modules (2)-Spares																																																											
IJ16020405	Procure 30 AMP MCOR Modules (1)-Spares	120	10/03/06*	03/27/07	Procure 30 AMP MCOR Modules (1)-Spares																																																											
IJ16020410	Procure 15KW Power Supply-Spares	120	10/03/06*	03/27/07	Procure 15KW Power Supply-Spare																																																											
<b>2.02.17 Injector System Commissioning</b>																																																																
<b>2.02.17.02 Drive Laser Commissioning</b>																																																																
IJ21702115	Integrate: Drive Laser	30	12/21/05	02/03/06	Integrate: Drive Laser																																																											
IJ21702	DRIVE LASER COMMISSIONING SUMMARY	287	12/21/05	02/12/07	DRIVE LASER COMMISSIONING SUMMARY																																																											
IJ21702117	Integrate: OSC Diagnostics	5	02/06/06	02/10/06	Integrate: OSC Diagnostics																																																											
IJ21702130	Checkout & Integrate: Low Power Compressor	10	02/13/06	02/27/06	Checkout & Integrate: Low Power Compressor																																																											
IJ21702120	Checkout & Integrate: Pre-Amp Diagnostics	15	02/13/06	03/06/06	Checkout & Integrate: Pre-Amp Diagnostics																																																											
IJ21702140	Checkout & Integrate: Final Amplifier diagnostic	20	02/28/06	03/27/06	Checkout & Integrate: Final Amplifier diagnostic																																																											
IJ21702240	Checkout & Integrate: UV conversion diagnostics	15	03/28/06	04/17/06	Checkout & Integrate: UV conversion diagnostics																																																											
IJ21702180	Checkout & Integrate: Timing stability monitoring	40	04/18/06	06/13/06	Checkout & Integrate: Timing stability monitoring																																																											
IJ21702220	Checkout & Integrate: Beam relay & Encl	10	06/14/06	06/27/06	Checkout & Integrate: Beam relay & Encl																																																											
IJ21702290	Checkout & Integrate: UV transport & launch Opt	30	06/28/06	08/09/06	Checkout & Integrate: UV transport & launch Opt																																																											
IJ21702355	AVAIL: UV Beam to the Cathode	0		08/09/06	AVAIL: UV Beam to the Cathode																																																											





Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>2.03 LINAC SYSTEM (OPC)</b>																																																																
<b>2.03.02 Linac Controls &amp; Power Conversion Subsystem</b>																																																																
<b>2.03.02.04 Power Conversion</b>																																																																
<b>2.03.02.04.01 Spare Power Supply (Dipole Type)</b>																																																																
LN02043621	Spare Pwr Supply (Dipole Type) Procurement	100	10/03/06	02/27/07	Spare Pwr Supply (Dipole Type) Procurement																																																											
LN020436	SPARE PWR SUPPLY SUMMARY- DIPOLE TYPE (1ea)	115	10/03/06	03/20/07													SPARE PWR SUPPLY SUMMARY																																															
LN02043622	Assemble Pwr Supply, Transductor & Control	6	02/28/07	03/07/07	Assemble Pwr Supply, Transductor & Control																																																											
LN02043628	Integrate Pwr Supply, Transductor & Control	7	03/08/07	03/16/07	Integrate Pwr Supply, Transductor & Control																																																											
LN02043630	Integrate Cables	2	03/19/07	03/20/07													Integrate Cables																																															
LN02043633	AVAIL: Spare Power Supply Available - Dipole Typ	0		03/20/07	AVAIL: Spare Power Supply Available - Dipole Typ																																																											
<b>2.03.02.04.02 Spare Power Supply (Quad Type)</b>																																																																
LN02045317	Spare Pwr Supply (Quad Type) Procurement	100	10/03/06	02/27/07	Spare Pwr Supply (Quad Type) Procurement																																																											
LN020453	SPARE PWR SUPPLY SUMMARY- QUAD TYPE (1ea)	116	10/03/06	03/21/07													SPARE PWR SUPPLY SUMMARY																																															
LN02045318	Assemble Pwr Supply, Transductor & Control	6	02/28/07	03/07/07	Assemble Pwr Supply, Transductor & Control																																																											
LN02045320	Integrate Pwr Supply, Transductor & Control	7	03/08/07	03/16/07	Integrate Pwr Supply, Transductor & Control																																																											
LN02045322	Integrate Cables	2	03/19/07	03/20/07													Integrate Cables																																															
LN02045324	Integrate Magnet Interlock	1	03/21/07	03/21/07													Integrate Magnet Interlock																																															
LN02045326	AVAIL: Spare Power Supply Available - Quad Type	0		03/21/07	AVAIL: Spare Power Supply Available - Quad Type																																																											
<b>2.03.02.04.03 Spare Power Supply (Trim Type)</b>																																																																
LN02045225	Spare Power Supply Procurement	100	10/03/06	02/27/07	Spare Power Supply Procurement																																																											
LN020452	SPARE PWR SUPPLY SUMMARY- TRIM TYPE (1ea)	102	10/03/06	03/01/07													SPARE PWR SUPPLY SUMMARY																																															
LN02045226	RCV: Spare MCOR System Hardware/Equip.	0		02/27/07	RCV: Spare MCOR System Hardware/Equip.																																																											
LN02045238	Integrate Cables	2	02/28/07	03/01/07													Integrate Cables																																															
LN02045241	AVAIL: Spare Power Supply Available - Trim Type	0		03/01/07	AVAIL: Spare Power Supply Available - Trim Type																																																											
<b>2.03.03 Linac Magnets &amp; Supports</b>																																																																
<b>2.03.03.01 Bend Magnet (BX1_BC1)</b>																																																																
LN03010500	Procure Coils (2ea) - Bend Mag (BX1_BC1) SPARES	40	10/03/06	11/29/06													Procure Coils (2ea) - Bend Mag (B																																															
LN03010550	RCV: Bend Magnet Coils (2ea) (BX1_BC1) SPARES	0		11/29/06													RCV: Bend Magnet Coils (2ea) (B																																															

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>2.03.03.02 Bend Magnet (BX3_LTU)</b>																																																																
LN03020500	Procure Coils (2ea) - Bend Mag (BX3_LTU) SPARES	40	06/19/07	08/14/07	Procure Coils (2ea) - Bend Mag (BX3_LTU) SPARE																																																											
LN03020550	RCV: Bend Magnet Coils (2ea) (BX3_LTU) SPARES	0		08/14/07	RCV: Bend Magnet Coils (2ea) (BX3_LTU) SPARE																																																											
<b>2.03.03.03 Bend Magnet (BX2_BC2)</b>																																																																
LN03030500	Procure Coils (2ea) - Bend Mag (BX2_BC2) SPARES	40	10/03/06	11/29/06	Procure Coils (2ea) - Bend Mag (BX2_BC2) SPARE																																																											
LN03030550	RCV: Bend Magnet Coils (BX2_BC2) Spares Kit	0		11/29/06	RCV: Bend Magnet Coils (BX2_BC2) Spares Kit																																																											
<b>2.03.03.04 Bend Magnet (BY_LTU)</b>																																																																
LN03040500	Procure Coil (1ea) - Bend Mag (BY_LTU) SPARES	40	05/30/07	07/25/07	Procure Coil (1ea) - Bend Mag (BY_LTU) SPARE																																																											
LN03040550	RCV: Bend Magnet Coil (1ea) (BY_LTU) SPARES	0		07/25/07	RCV: Bend Magnet Coil (1ea) (BY_LTU) SPARE																																																											
<b>2.03.03.05 Quad Magnet (Quad_LTU)</b>																																																																
LN03050500	Procure Coil (4ea) - Quad Mag (Quad_LTU) SPARES	40	11/15/06	01/16/07	Procure Coil (4ea) - Quad Mag (Quad_LTU) SPARE																																																											
LN03050550	RCV: Quad Magnet Coil (4ea) (Quad_LTU) SPARES	0		01/16/07	RCV: Quad Magnet Coil (4ea) (Quad_LTU) SPARE																																																											
<b>2.03.03.09 Bend Magnet (BYD_LTU)</b>																																																																
LN03090500	Procure Coil (2ea) - Bend Mag (BYD_LTU) SPARES	40	11/10/06	01/10/07	Procure Coil (2ea) - Bend Mag (BYD_LTU) SPARE																																																											
LN03090550	RCV: Bend Magnet Coil (2ea) (BYD_LTU) SPARES	0		01/10/07	RCV: Bend Magnet Coil (2ea) (BYD_LTU) SPARE																																																											
<b>2.03.03.11 Bend Magnet (BYMP_LTU)</b>																																																																
LN03110500	Procure Coil (1ea) - Bend Mag (BYMP_LTU) SPARES	40	10/03/06	11/29/06	Procure Coil (1ea) - Bend Mag (BYMP_LTU) SPARE																																																											
LN03110550	RCV: Bend Magnet Coil (1ea) (BYMP_LTU) SPARES	0		11/29/06	RCV: Bend Magnet Coil (1ea) (BYMP_LTU) SPARE																																																											
<b>2.03.03.12 Bend Magnet (BYKIK_LTU)</b>																																																																
LN03120500	Procure Coil (1ea) - Bend Mag (BYKIK_LTU) SPARES	40	06/06/07	08/01/07	Procure Coil (1ea) - Bend Mag (BYKIK_LTU) SPARE																																																											
LN03120550	RCV: Bend Magnet Coil (1ea) (BYKIK_LTU) SPARES	0		08/01/07	RCV: Bend Magnet Coil (1ea) (BYKIK_LTU) SPARE																																																											
<b>2.03.03.13 Bend Magnet (BYW_LTU)</b>																																																																
LN03130500	Procure Coil (1ea) - Bend Mag (BYW_LTU) SPARES	40	12/13/06	02/09/07	Procure Coil (1ea) - Bend Mag (BYW_LTU) SPARE																																																											
LN03130550	RCV: Bend Magnet Coil (1ea) (BYW_LTU) SPARES	0		02/09/07	RCV: Bend Magnet Coil (1ea) (BYW_LTU) SPARE																																																											
<b>2.03.04 Linac Vacuum Subsystem</b>																																																																
<b>2.03.04.01 Linac Vacuum Subsystem Operations Equip</b>																																																																
LN04010000	Begin Varian Pumpdown Cart (3ea) Eq Procurement	0	10/03/06		Begin Varian Pumpdown Cart (3ea) Eq Procurement																																																											
LN04010100	Begin Leybold Leak Detector (1ea) Eq Procurement	0	10/03/06		Begin Leybold Leak Detector (1ea) Eq Procurement																																																											
LN0401	LINAC VACUUM SUBSYSTEM TEST EQUIP SUMMARY	40	10/03/06	11/29/06	LINAC VACUUM SUBSYSTEM TEST EQUIP SUMMARY																																																											

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>2.03.04.01 Linac Vacuum Subsystem Operations Equip</b>																																																																
LN04010005	Procure Basic Unit, V70LP Turbo, MSP5366	40	10/03/06	11/29/06	Procure Basic Unit, V70LP Turbo, MSP5366																																																											
LN04010010	Procure Dry Scroll Pump, MSP1001	40	10/03/06	11/29/06													Procure Dry Scroll Pump, MSP1001																																															
LN04010015	Procure Multigauge Controller, MSP0125	40	10/03/06	11/29/06	Procure Multigauge Controller, MSP0125																																																											
LN04010020	Procure Thermocouple Board, MSP0126	40	10/03/06	11/29/06	Procure Thermocouple Board, MSP0126																																																											
LN04010025	Procure Cold Cathode Board, MSPL9066	40	10/03/06	11/29/06	Procure Cold Cathode Board, MSPL9066																																																											
LN04010030	Procure Setpoint Board, MSP 0130	40	10/03/06	11/29/06													Procure Setpoint Board, MSP 0130																																															
LN04010035	Procure Remote Input/Output Board, MSPL8324	40	10/03/06	11/29/06													Procure Remote Input/Output Board, MSPL8324																																															
LN04010040	Procure Standard RS 485/422 O/I Board, MSPL8490	40	10/03/06	11/29/06													Procure Standard RS 485/422 O/I Board, MSPL8490																																															
LN04010045	Procure Inverted Magnetron CC Gauge, MSPL9062	40	10/03/06	11/29/06													Procure Inverted Magnetron CC Gauge, MSPL9062																																															
LN04010050	Procure Gauge Tube, Thrmcpl, 2 3/4 CFF, MSP5316	40	10/03/06	11/29/06													Procure Gauge Tube, Thrmcpl, 2 3/4 CFF, MSP5316																																															
LN04010055	Procure Emergency Vent, MSP0132	40	10/03/06	11/29/06													Procure Emergency Vent, MSP0132																																															
LN04010060	Procure Forced Aircooling, MSP0136	40	10/03/06	11/29/06	Procure Forced Aircooling, MSP0136																																																											
LN04010105	Procure Misc Leybold Leak Detector Equip	40	10/03/06	11/29/06	Procure Misc Leybold Leak Detector Equip																																																											
LN04010065	RCV: Equip for Varian Pumpdown Carts (3ea)	0		11/29/06	RCV: Equip for Varian Pumpdown Carts (3ea)																																																											
LN04010110	RCV: Equip for Leybold Leak Detector (1ea)	0		11/29/06	RCV: Equip for Leybold Leak Detector (1ea)																																																											
<b>2.03.04.02 Linac Beamline Vacuum System</b>																																																																
LN04020400	Procure Materials for B/L Vac Sys Spares Kit	20	10/03/06	10/30/06	Procure Materials for B/L Vac Sys Spares Kit																																																											
LN04020405	RCV: Materials for B/L Vac Sys Spares Kit	0		10/30/06	RCV: Materials for B/L Vac Sys Spares Kit																																																											
<b>2.03.04.03 BC1 Vacuum System</b>																																																																
LN04030400	Procure Materials for BC1 Vac Sys Spares Kit	20	10/03/06	10/30/06	Procure Materials for BC1 Vac Sys Spares Kit																																																											
LN04030405	RCV: Materials for BC1 Vac Sys Spares Kit	0		10/30/06	RCV: Materials for BC1 Vac Sys Spares Kit																																																											
<b>2.03.04.04 BC2 Vacuum System</b>																																																																
LN04040400	Procure Materials for BC2 Vac Sys Spares Kit	20	10/03/06	10/30/06	Procure Materials for BC2 Vac Sys Spares Kit																																																											
LN04040405	RCV: Materials for BC2 Vac Sys Spares Kit	0		10/30/06	RCV: Materials for BC2 Vac Sys Spares Kit																																																											
<b>2.03.04.05 Linac to Undulator (LTU) Vacuum System</b>																																																																
LN04050400	Procure Materials for LTU Vac Sys Spares Kit	20	10/03/06	10/30/06	Procure Materials for LTU Vac Sys Spares Kit																																																											
LN04050405	RCV: Materials for LTU Vac Sys Spares Kit	0		10/30/06	RCV: Materials for LTU Vac Sys Spares Kit																																																											

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>2.03.04.06 Dumpline Vacuum System</b>																																																																
LN04060400	Procure Materials for D/L Vac Sys Spares Kit	20	10/03/06	10/30/06	Procure Materials for D/L Vac Sys Spares Kit																																																											
LN04060405	RCV: Materials for D/L Vac Sys Spares Kit	0		10/30/06	RCV: Materials for D/L Vac Sys Spares Kit																																																											
<b>2.03.05 Linac Electron Diagnostics</b>																																																																
<b>2.03.05.01 Wire Scanners</b>																																																																
LN05010400	AWARD: Contract Wire Scanners (2ea) Spares	1	10/03/06	10/03/06	AWARD: Contract Wire Scanners (2ea) Spares																																																											
LN05010425	Procure Misc Materials - Wire Scann - (2) SPARES	175	10/03/06	06/13/07																																					Procure Misc Materials -																							
LN05010405	Vendor Fab 1st Lot (2) Spares	20	10/04/06	10/31/06																																					Vendor Fab 1st Lot (2) Spares																							
LN05010410	RCV: 1st Lot from Vendor (2) Spares	0	11/01/06	10/31/06																																					RCV: 1st Lot from Vendor (2) Spares																							
LN05010415	Vendor Fab Remaining Lot (2) Spares	20	11/01/06	11/30/06																																					Vendor Fab Remaining Lot (2) Spares																							
LN05010420	RCV: Remaining from Vendor (2) Spares	0	12/01/06	11/30/06																																					RCV: Remaining from Vendor (2) Spares																							
LN05010430	Component Fab & Assembly - Wire Scann (2) Spares	80	06/14/07	10/05/07	Component Fab & Assembly - Wire Scann (2) Spares																																																											
LN05010445	Perform QC / Metrology (2ea) Spares	4	10/08/07	10/11/07																																					Perform QC / Metrology (2ea) Spares																							
LN05010450	Perform Functional Testing - Wire Scn (2) Spares	2	10/12/07	10/15/07																																					Perform Functional Testing - Wire Scn (2) Spares																							
LN05010455	Collect Component Performance Data (2ea) Spares	5	10/16/07	10/22/07																																					Collect Component Performance Data (2ea) Spares																							
LN05010460	Load Component Data Base (2ea) Spares	5	10/23/07	10/29/07																																					Load Component Data Base (2ea) Spares																							
LN05010465	Post Process & Test (2ea) Spares	5	10/30/07	11/05/07																																					Post Process & Test (2ea) Spares																							
LN05010470	AVAIL: Wire Scanners (2ea) Spares	0		11/05/07																																					AVAIL: Wire Scanners (2ea) Spares																							
<b>2.03.05.02 Beam Position Monitors</b>																																																																
LN05020700	Procure Component Material - BPMs - (2) SPARES	40	10/03/06	11/29/06																																					Procure Component Material - BPM																							
LN05020800	Procure Component Material - BPMs - (1) SPARE	40	10/03/06	11/29/06																																					Procure Component Material - BPM																							
LN05020600	Procure Component Material - RF BPM - (2) SPARES	60	10/03/06	12/28/06																																					Procure Component Material - RF																							
LN05020500	Procure Component Material - BPMs - (2) SPARES	100	10/03/06	02/27/07																																					Procure Component Material -																							
LN05020705	Component Fab & Assembly - BPMs (2ea) Spares	40	11/30/06	01/29/07	Component Fab & Assembly - BPMs (2ea) Spares																																																											
LN05020805	Component Fab & Assembly - BPMs (1ea) Spare	120	11/30/06	05/22/07	Component Fab & Assembly - BPMs (1ea) Spare																																																											
LN05020605	Component Fab & Assembly - RFBPMs (2ea) Spares	80	12/29/06	04/24/07																																					Component Fab & Assembly																							
LN05020720	Perform QC / Metrology (2ea) Spares	5	01/30/07	02/05/07																																					Perform QC / Metrology (2ea) Spares																							

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<b>2.03.05.02 Beam Position Monitors</b>																																																																												
LN05020725	Perform Functional Testing - BPMs (2ea) Spares	4	02/06/07	02/09/07																									Perform Functional Testing - BPMs (2ea) Spares																																															
LN05020730	Collect Component Performance Data (2ea) Spares	2	02/12/07	02/13/07																									Collect Component Performance Data (2ea) Spares																																															
LN05020735	Load Component Data Base (2ea) Spares	2	02/14/07	02/15/07																									Load Component Data Base (2ea) Spares																																															
LN05020740	Post Process & Test (2ea) Spares	10	02/16/07	03/02/07																									Post Process & Test (2ea) Spares																																															
LN05020505	Component Fab & Assembly - BPMs (2ea) Spares	120	02/28/07	08/16/07																									Component Fab & Assembly - BPMs (2ea) Spares																																															
LN05020610	Component Fab & Assembly - RF BPMs	80	04/25/07	08/16/07																									Component Fab & Assembly - RF BPMs																																															
LN05020820	Perform QC / Metrology (1ea) Spare	4	05/23/07	05/29/07																									Perform QC / Metrology (1ea) Spare																																															
LN05020825	Perform Functional Testing - BPMs (1ea) Spare	4	05/30/07	06/04/07																									Perform Functional Testing - BPMs (1ea) Spare																																															
LN05020830	Collect Component Performance Data (1ea) Spare	2	06/05/07	06/06/07																									Collect Component Performance Data (1ea) Spare																																															
LN05020835	Load Component Data Base (1ea) Spare	2	06/07/07	06/08/07																									Load Component Data Base (1ea) Spare																																															
LN05020840	Post Process & Test (1ea) Spare	4	06/11/07	06/14/07																									Post Process & Test (1ea) Spare																																															
LN05020520	Perform QC / Metrology (2ea) Spares	2	08/17/07	08/20/07																									Perform QC / Metrology (2ea) Spares																																															
LN05020615	Perform QC / Metrology (2ea) Spares	4	08/17/07	08/22/07																									Perform QC / Metrology (2ea) Spares																																															
LN05020525	Perform Functional Testing - BPMs (2ea) Spares	2	08/21/07	08/22/07																									Perform Functional Testing - BPMs (2ea) Spares																																															
LN05020620	Perform Functional Testing - RFBPMs (2ea) Spares	2	08/23/07	08/24/07																									Perform Functional Testing - RFBPMs (2ea) Spares																																															
LN05020530	Collect Component Performance Data (2ea) Spares	5	08/23/07	08/29/07																									Collect Component Performance Data (2ea) Spares																																															
LN05020625	Collect Component Performance Data (2ea) Spares	5	08/27/07	08/31/07																									Collect Component Performance Data (2ea) Spares																																															
LN05020535	Load Component Data Base (2ea) Spares	5	08/30/07	09/06/07																									Load Component Data Base (2ea) Spares																																															
LN05020630	Load Component Data Base (2ea) Spares	5	09/04/07	09/10/07																									Load Component Data Base (2ea) Spares																																															
LN05020540	Post Process & Test (2ea) Spares	5	09/07/07	09/13/07																									Post Process & Test (2ea) Spares																																															
LN05020635	Post Process & Test (2ea) Spares	5	09/11/07	09/17/07																									Post Process & Test (2ea) Spares																																															
LN05020845	AVAIL: BPMs (2/2/2/1) Spare	0		09/17/07																									AVAIL: BPMs (2/2/2/1) Spare																																															
<b>2.03.05.03 Toroids Beam Charge</b>																																																																												
LN05030300	Procure Component Material - Toroid - (2) SPARES	60	10/03/06	12/28/06																																					Procure Component Material - To																																			
LN05030310	Component Fab & Assembly - Toroids (2ea) Spares	80	12/29/06	04/24/07																									Component Fab & Assembly - Toroids (2ea) Spares																																															
LN05030325	Perform QC / Metrology (2ea) Spares	2	04/25/07	04/26/07																									Perform QC / Metrology (2ea) Spares																																															

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<b>2.03.05.03 Toroids Beam Charge</b>																																																																
LN05030330	Perform Functional Testing - Toroid (2ea) Spares	2	04/27/07	04/30/07	Perform Functional Testing - Toroid (2ea) Spares																																																											
LN05030335	Collect Component Performance Data (2ea) Spares	5	05/01/07	05/07/07	Collect Component Performance Data (2ea) Spares																																																											
LN05030340	Load Component Data Base (2ea) Spares	5	05/08/07	05/14/07	Load Component Data Base (2ea) Spares																																																											
LN05030345	Post Process & Test (2ea) Spares	5	05/15/07	05/21/07	Post Process & Test (2ea) Spares																																																											
LN05030350	AVAIL: Toroids (2ea) Spares	0		05/21/07	AVAIL: Toroids (2ea) Spares																																																											
<b>2.03.05.04 Stoppers Tune Up Dump</b>																																																																
LN05040300	Procure Hardware Kit - Stoppers - SPARES	100	10/03/06	02/27/07	Procure Hardware Kit - Stoppers - SPARE																																																											
LN05040305	AVAIL: Spares Hardware Kit - Stoppers	0		02/27/07	AVAIL: Spares Hardware Kit - Stopper																																																											
<b>2.03.05.05 Profile Monitors</b>																																																																
LN05050400	AWARD: Contract - Profile Monitor (1ea) Spare	1	10/03/06	10/03/06	AWARD: Contract - Profile Monitor (1ea) Spare																																																											
LN05050425	Procure Component Material - Profile - (1) SPARE	40	10/03/06	11/29/06	Procure Component Material - Prof																																																											
LN05050405	Vendor Fab 1st Lot (1) Spare	30	10/04/06	11/14/06	Vendor Fab 1st Lot (1) Spare																																																											
LN05050410	RCV: 1st Lot from Vendor (1) Spare	0	11/15/06	11/14/06	RCV: 1st Lot from Vendor (1) Spare																																																											
LN05050415	Vendor Fab Remaining Lot (1) Spare	30	11/15/06	12/29/06	Vendor Fab Remaining Lot (1) Spar																																																											
LN05050420	RCV: Remaining from Vendor (1) Spare	0	01/02/07	12/29/06	RCV: Remaining from Vendor (1) Spare																																																											
LN05050430	Component Fab & Assembly - Profile Mon (1) Spare	40	01/02/07	02/28/07	Component Fab & Assembly - Profile Mon (1) Spar																																																											
LN05050445	Perform QC / Metrology (1ea) Spare	10	03/01/07	03/14/07	Perform QC / Metrology (1ea) Spar																																																											
LN05050450	Perform Functional Testing - Profile Mo(1) Spare	20	03/15/07	04/11/07	Perform Functional Testing - Profile Mo(1) Spar																																																											
LN05050455	Collect Component Performance Data (1ea) Spare	2	04/12/07	04/13/07	Collect Component Performance Data (1ea) Spare																																																											
LN05050460	Load Component Data Base (1ea) Spare	4	04/16/07	04/19/07	Load Component Data Base (1ea) Spar																																																											
LN05050465	Post Process & Test (1ea) Spare	10	04/20/07	05/03/07	Post Process & Test (1ea) Spar																																																											
LN05050470	AVAIL: Profile Monitor (1ea) Spare	10	05/04/07	05/17/07	AVAIL: Profile Monitor (1ea) Spar																																																											
<b>2.03.05.07 Bunch Length Monitors</b>																																																																
LN05070300	Procure Component Mtrl - Bunch Len - (1) SPARE	20	10/03/06	10/30/06	Procure Component Mtrl - Bunch Le																																																											
LN05070305	Component Fab & Assy - Bunch Length (1ea) Spare	20	10/31/06	11/29/06	Component Fab & Assy - Bunch Le																																																											
LN05070320	Perform QC / Metrology (1ea) Spare	20	11/30/06	12/28/06	Perform QC / Metrology (1ea) Spar																																																											

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<b>2.03.05.07 Bunch Length Monitors</b>																																																																
LN05070325	Perform Func Testing - Bunch Length (1ea) Spare	2	12/29/06	01/02/07	Perform Func Testing - Bunch Length (1ea) Spare																																																											
LN05070330	Collect Component Performance Data (1ea) Spare	2	01/03/07	01/04/07	Collect Component Performance Data (1ea) Spare																																																											
LN05070335	Load Component Data Base (1ea) Spare	2	01/05/07	01/08/07	Load Component Data Base (1ea) Spare																																																											
LN05070340	Post Process & Test (1ea) Spare	10	01/09/07	01/23/07	Post Process & Test (1ea) Spare																																																											
LN05070345	AVAIL: Bunch Length Monitors (1ea) Spare	0		01/23/07	AVAIL: Bunch Length Monitors (1ea) Spare																																																											
<b>2.03.05.08 Beam Loss Monitors</b>																																																																
LN05080300	Procure Component Material - BLM - (2) SPARES	100	11/02/06	03/29/07	Procure Component Material - BLM - (2) SPARE																																																											
LN05080302	Component Fab & Assy - Bm Lss Mon (2) Spares	100	03/30/07	08/20/07	Component Fab & Assy - Bm Lss Mon (2) Spare																																																											
LN05080308	Perform QC / Metrology (2ea) Spares	10	08/21/07	09/04/07	Perform QC / Metrology (2ea) Spare																																																											
LN05080310	Perform Functional Testing - Bm Lss Mo(2) Spares	10	09/05/07	09/18/07	Perform Functional Testing - Bm Lss Mo(2) Spare																																																											
LN05080312	Collect Component Performance Data (2ea) Spares	5	09/19/07	09/25/07	Collect Component Performance Data (2ea) Spares																																																											
LN05080314	Load Component Data Base (2ea) Spares	5	09/26/07	10/02/07	Load Component Data Base (2ea) Spares																																																											
LN05080316	Post Process & Test (2ea) Spares	5	10/03/07	10/09/07	Post Process & Test (2ea) Spares																																																											
LN05080318	AVAIL: Beam Loss Monitor - (2ea) Spares	0		10/09/07	AVAIL: Beam Loss Monitor - (2ea) Spare																																																											
<b>2.03.05.11 Protection Collimators</b>																																																																
LN05110400	Procure Hardware - Protection Collimatr - SPARES	20	10/03/06	10/30/06																																					Procure Hardware - Protection Collim																							
<b>2.03.05.12 Movable Collimators</b>																																																																
LN05120400	Procure Hardware - Movable Collimator - SPARES	60	10/03/06	12/28/06																																					Procure Hardware - Movable Coll																							
<b>2.03.05.13 Safety Dump</b>																																																																
LN05130400	Procure Hardware - Single Beam Dump - SPARES	40	10/03/06	11/29/06																																					Procure Hardware - Single Beam D																							
<b>2.03.06 Linac RF Subsystem</b>																																																																
<b>2.03.06.05 X-Band High Power System</b>																																																																
LN06051082	Prep Bid Pak - X-Band Klystron	5	10/03/06	10/09/06																																					Prep Bid Pak - X-Band Klystron																							
LN06040055	Procure X-Band TWT Driver - SPARE	250	10/03/06	09/28/07	Procure X-Band TWT Driver - SPAR																																																											
LN06040075	Procure X-Band 4 X Multiplier - SPARE	260	10/03/06	10/12/07	Procure X-Band 4 X Multiplier - SPAR																																																											
LN06040095	Procure X-Band Phase & Amp Dectector - SPARE	260	10/03/06	10/12/07																																					Procure X-Band Ph																							
LN06040125	Procure X-Band Stripline Couplers - SPARE	260	10/03/06	10/12/07	Procure X-Band Stripline Couplers - SPAR																																																											

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<b>2.03.06.05 X-Band High Power System</b>																																																																												
LN06051110	Procure Mounting Support - SPARE	260	10/03/06	10/12/07																									Procure Mounting Support - SPARE																																															
LN06052160	Procure Tank - SPARE	260	10/03/06	10/12/07																									Procure Tank - SPARE																																															
LN06052170	Procure Pulsed Transformer - SPARE	260	10/03/06	10/12/07																									Procure Pulsed Transformer - SPARE																																															
LN06052180	Procure Cap Divider - SPARE	260	10/03/06	10/12/07																									Procure Cap Divider - SPARE																																															
LN06052190	Procure Heater Isolation - SPARE	260	10/03/06	10/12/07																									Procure Heater Isolation - SPARE																																															
LN06052200	Procure Toroid & Misc - SPARE	260	10/03/06	10/12/07																									Procure Toroid & Misc - SPARE																																															
LN06052210	Procure Interlocks - SPARE	260	10/03/06	10/12/07																									Procure Interlocks - SPARE																																															
LN06052220	Procure HV Connectors - SPARE	260	10/03/06	10/12/07																									Procure HV Connectors - SPARE																																															
LN06052230	Procure Magnet Power Supply - SPARE	260	10/03/06	10/12/07																									Procure Magnet Power Supply - SPARE																																															
LN06052240	Procure Power Supply Cabling - SPARE	260	10/03/06	10/12/07																									Procure Power Supply Cabling - SPARE																																															
LN06052250	Procure Cathode Ion Pump - SPARE	260	10/03/06	10/12/07																									Procure Cathode Ion Pump - SPARE																																															
LN06051084	RELEASE: RFP - X-Band Klystron	0		10/09/06																																					◆ RELEASE: RFP - X-Band Klystron																																			
LN06051086	Vendors Prep Proposals - Klystron System	10	10/10/06	10/23/06																									Vendors Prep Proposals - Klystron System																																															
LN06051088	RCV: Vendor Proposals - X-Band Klystron	0		10/23/06																									RCV: Vendor Proposals - X-Band Klystron																								◆																							
LN06051090	Evaluate Vendor Proposals - Klystron System	5	10/24/06	10/30/06																									Evaluate Vendor Proposals - Klystron System																																															
LN06051092	AWARD: X-Band Klystrons	1	10/31/06	10/31/06																																					AWARD: X-Band Klystrons																																			
LN06051100	Vendor Fab & Assy -X-Band Klystrons - SPARE	250	11/01/06	10/29/07																									Vendor Fab & Assy -X-Band Klystrons - SPARE																																															
LN06040060	RCV: X-Band TWT Driver - SPARE	0		09/28/07																									RCV: X-Band TWT Driver - SPARE																								◆																							
LN06040080	RCV: X-Band 4 X Multiplier - SPARE	0		10/12/07																									RCV: X-Band 4 X Multiplier - SPARE																								◆																							
LN06040100	RCV: X-Band Phase & Amp Dectector - SPARE	0		10/12/07																									RCV: X-Band Phase & Amp Dectector - SPARE																								◆																							
LN06040130	RCV: X-Band Stripline Couplers - SPARE	0		10/12/07																									RCV: X-Band Stripline Couplers - SPARE																								◆																							
LN06051115	RCV: Mounting Support - SPARE	0		10/12/07																									RCV: Mounting Support - SPARE																								◆																							
LN06052165	RCV: Tank - SPARE	0		10/12/07																									RCV: Tank - SPARE																								◆																							
LN06052175	RCV: Pulsed Transformer - SPARE	0		10/12/07																									RCV: Pulsed Transformer - SPARE																								◆																							
LN06052185	RCV: Cap Divider - SPARE	0		10/12/07																									RCV: Cap Divider - SPARE																								◆																							
LN06052195	RCV: Heater Isolation - SPARE	0		10/12/07																									RCV: Heater Isolation - SPARE																								◆																							



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<b>2.03.06.05 X-Band High Power System</b>																																																																
LN06052205	RCV: Toroid & Misc - SPARE	0		10/12/07																																					RCV: Toroid & Misc - SPARE																							
LN06052215	RCV: Interlocks - SPARE	0		10/12/07																																					RCV: Interlocks - SPARE																							
LN06052225	RCV: HV Connectors - SPARE	0		10/12/07																																					RCV: HV Connectors - SPARE																							
LN06052235	RCV: Magnet Power Supply - SPARE	0		10/12/07																																					RCV: Magnet Power Supply - SPARE																							
LN06052245	RCV: Power Supply Cabling - SPARE	0		10/12/07																																					RCV: Power Supply Cabling - SPARE																							
LN06052255	RCV: Cathode Ion Pump - SPARE	0		10/12/07																																					RCV: Cathode Ion Pump - SPARE																							
LN06051145	Fab & Assemble Mounting Support - SPARE	5	10/15/07	10/19/07																																					Fab & Assemble Mounting Support - SPARE																							
LN06052275	Assemble Tank - SPARE	5	10/15/07	10/19/07																																					Assemble Tank - SPARE																							
LN06051105	RCV: X-Band Klystrons - SPARE	0		10/29/07																																					RCV: X-Band Klystrons - SPARE																							
LN06051140	Fab & Assemble X-Band Klystron - SPARE	100	10/30/07	03/27/08																																					Fab & Assemble X-Band Klystron - SPARE																							
LN06052280	Dress Klystron - SPARE	15	03/28/08	04/17/08																																					Dress Klystron - SPARE																							
LN06052285	Test Klystron / Tank Assembly - SPARE	15	04/18/08	05/08/08																																					Test Klystron / Tank Assembly - SPARE																							
LN06052286	AVAIL: Klystron / Tank Assembly - SPARE	0		05/08/08																																					AVAIL: Klystron / Tank Assembly - SPARE																							
<b>2.03.06.07 RF Distribution System</b>																																																																
<b>2.03.06.07.01 Modulator</b>																																																																
LN06070150	Procure Thyatron & Parts - SPARE	70	10/03/06	01/12/07																																					Procure Thyatron & Parts - SPARE																							
<b>2.03.06.07.02 Solid State Sub Booster</b>																																																																
LN06070260	Procure Phase Control Electronics - SPARE	40	10/03/06	11/29/06																																					Procure Phase Control Electronics - SPARE																							
LN06070265	Procure Amplitude Control Electronics - SPARE	40	10/03/06	11/29/06																																					Procure Amplitude Control Electro																							
LN06070270	Fab & Test Amplifier - SPARE	90	11/30/06	04/10/07																																					Fab & Test Amplifier - SPARE																							
LN06070275	AVAIL: Amplifier - SPARE	0		04/10/07																																					AVAIL: Amplifier - SPARE																							
<b>2.03.06.07.05 Bunch Length Electronics</b>																																																																
LN06070560	Proc, Fab & Test Bunch Length Electronics- SPARE	20	10/03/06	10/30/06																																					Proc, Fab & Test Bunch Length Elec																							
LN06070565	AVAIL: Bunch Length Electronics - SPARE	0		10/30/06																																					AVAIL: Bunch Length Electronics - SPARE																							
<b>2.03.06.07.07 RF Distribution L2 &amp; L3</b>																																																																
LN06070760	Fab & Test 2W Distribution Amp - SPARE	60	01/11/07	04/06/07																																					Fab & Test 2W Distribution Amp - SPARE																							
LN06070765	AVAIL: Hdwr Testing Complete Ready - SPARE	0		04/06/07																																					AVAIL: Hdwr Testing Complete Ready - SPARE																							

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>2.03.06.07.08 RF Fiber Optics Electronics</b>																																																																
LN06070850	Procure, Fab & Test RF FO Electronics	60	10/03/06	12/28/06																																																												
LN06070860	AVAIL: Fiber Optic System Ready - SPARE	0		12/28/06																																																												
<b>2.03.07 Linac System Commissioning</b>																																																																
<b>2.03.07.01 Linac L01 System Commissioning</b>																																																																
LN07010505	Develop Commissioning Plans	30	10/03/06	11/13/06																																																												
LN070105	LINAC L01 COMMISSIONING SUMMARY	453	10/03/06	07/23/08																																																												
LN07010510	COMP: Commissioning Plans Complete	0		11/13/06																																																												
LN07010515	Write Bm Authorization Sheet (BAS) Requirements	30	11/14/06	12/28/06																																																												
LN07010520	Obtain Beam Authorization Sheet (BAS)	5	12/29/06	01/05/07																																																												
LN07010500	REQD: L01 Equipment Ready for Commissioning	0		06/28/07																																																												
LN07010525	PPS Checkout Linac	1	06/29/07	06/29/07																																																												
LN07010535	Search and Lock Linac	1	07/02/07	07/02/07																																																												
LN07010540	Commission L01, Physics	10	07/03/07	07/17/07																																																												
LN07010545	Commission L01, Operations	10	07/03/07	07/17/07																																																												
LN07010570	Support L01 Commissioning RF	10	07/03/07	07/17/07																																																												
LN07010605	Support L01 Commissioning Mechanical	10	07/03/07	07/17/07																																																												
LN07010615	Support L01 Commissioning Survey	10	07/03/07	07/17/07																																																												
LN07010620	Support L01 Commissioning Power Conv	10	07/03/07	07/17/07																																																												
LN07010635	COMP: L01 Commissioning Complete	0		07/17/07																																																												
LN07010700	L01 System Available for Undulator Commissioning	60	04/29/08	07/23/08																																																												
<b>2.03.07.02 Linac BC1 System Commissioning</b>																																																																
LN07020505	Develop Commissioning Plans	30	10/03/06	11/13/06																																																												
LN070205	LINAC BC1 COMMISSIONING SUMMARY	453	10/03/06	07/23/08																																																												
LN07020510	COMP: Commissioning Plans Complete	0		11/13/06																																																												
LN07020515	Write Bm Authorization Sheet (BAS) Requirements	30	03/28/07	05/08/07																																																												
LN07020500	REQD: BC1 Equipment Ready for Commissioning	0		06/28/07																																																												
LN07020520	REQD: L01 Commissioning Complete	0		07/17/07																																																												

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>2.03.07.02 Linac BC1 System Commissioning</b>																																																																
LN07020535	Commission BC1, Physics	10	09/28/07	10/11/07																																					Commission BC1, Physics																							
LN07020540	Commission BC1, Operations	10	09/28/07	10/11/07																																					Commission BC1, Operation																							
LN07020575	Support BC1 Commissioning RF	10	09/28/07	10/11/07																																					Support BC1 Commissioning R																							
LN07020600	Support BC1 Commissioning Hardware	10	09/28/07	10/11/07																																					Support BC1 Commissioning Hardwar																							
LN07020610	Support BC1 Commissioning Mechanical	10	09/28/07	10/11/07																																					Support BC1 Commissioning Mechanical																							
LN07020620	Support BC1 Commissioning Survey	10	09/28/07	10/11/07																																					Support BC1 Commissioning Survey																							
LN07020625	Support BC1 Commissioning Power Conv	10	09/28/07	10/11/07																																					Support BC1 Commissioning Power Con																							
LN07020640	COMP: BC1 Commissioning Complete	0		10/11/07																																					COMP: BC1 Commissioning Complete																							
LN07020700	BC1 System Available for Undulator Commissioning	60	04/29/08	07/23/08																																					BC1 System Available for Undulator Commissioning																							
<b>2.03.07.03 Linac L02 System Commissioning</b>																																																																
LN07030505	Develop Commissioning Plans	30	03/28/07	05/08/07																																					Develop Commissioning Plan																							
LN070305	LINAC L02 COMMISSIONING SUMMARY	333	03/28/07	07/23/08																																					LINAC L02 COMMISSIONING SUMMAR																							
LN07030510	COMP: Commissioning Plans Complete	0		05/08/07																																					COMP: Commissioning Plans Complete																							
LN07030500	REQD: L02 Equipment Ready for Commissioning	0		09/14/07																																					REQD: L02 Equipment Ready for Commissioning																							
LN07030515	Write Bm Authorization Sheet (BAS) Requirements	30	09/17/07	10/26/07																																					Write Bm Authorization Sheet (BAS) Requirement																							
LN07030520	REQD: L01 & BC1 Commissioning Complete	0		10/11/07																																					REQD: L01 & BC1 Commissioning Complete																							
LN07030525	Obtain Beam Authorization Sheet (BAS)	5	10/29/07	11/02/07																																					Obtain Beam Authorization Sheet (BAS)																							
LN07030530	PPS Checkout Linac	1	11/05/07	11/05/07																																					PPS Checkout Linac																							
LN07030540	Search and Lock Linac	1	11/06/07	11/06/07																																					Search and Lock Linac																							
LN07030545	Commission L02, Physics	10	01/31/08	02/13/08																																					Commission L02, Physics																							
LN07030550	Commission L02, Operations	10	01/31/08	02/13/08																																					Commission L02, Operation																							
LN07030575	Support L02 Commissioning RF	10	01/31/08	02/13/08																																					Support L02 Commissioning R																							
LN07030600	Support L02 Commissioning Hardware	10	01/31/08	02/13/08																																					Support L02 Commissioning Hardwar																							
LN07030610	Support L02 Commissioning Mechanical	10	01/31/08	02/13/08																																					Support L02 Commissioning Mechanical																							
LN07030620	Support L02 Commissioning Survey	10	01/31/08	02/13/08																																					Support L02 Commissioning Survey																							
LN07030625	Support L02 Commissioning Power Conv	10	01/31/08	02/13/08																																					Support L02 Commissioning Power Con																							

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>2.03.07.03 Linac L02 System Commissioning</b>																																																																
LN07030640	COMP: L02 Commissioning Complete	0		02/13/08																																																												
LN07030700	L02 System Available for Undulator Commissioning	60	04/29/08	07/23/08																																																												
<b>2.03.07.04 Linac BC2 System Commissioning</b>																																																																
LN07040505	Develop Commissioning Plans	30	03/28/07	05/08/07																																																												
LN070405	LINAC BC2 COMMISSIONING SUMMARY	333	03/28/07	07/23/08																																																												
LN07040510	COMP: Commissioning Plans Complete	0		05/08/07																																																												
LN07040500	REQD: BC2 Equipment Ready for Commissioning	0		09/17/07																																																												
LN07040515	Write Bm Authorization Sheet (BAS) Requirements	30	09/17/07	10/26/07																																																												
LN07040520	REQD: BC1 & L02 Commissioning Complete	0		02/13/08																																																												
LN07040545	Commission BC2, Physics	10	02/14/08	02/28/08																																																												
LN07040550	Commission BC2, Operations	10	02/14/08	02/28/08																																																												
LN07040610	Support BC2 Commissioning Mechanical	10	02/14/08	02/28/08																																																												
LN07040620	Support BC2 Commissioning Survey	10	02/14/08	02/28/08																																																												
LN07040625	Support BC2 Commissioning Power Conv	10	02/14/08	02/28/08																																																												
LN07040640	COMP: BC2 Commissioning Complete	0		02/28/08																																																												
LN07040700	BC2 System Available for Undulator Commissioning	60	04/29/08	07/23/08																																																												
<b>2.03.07.05 Linac L03 System Commissioning</b>																																																																
LN07050505	Develop Commissioning Plans	30	03/28/07	05/08/07																																																												
LN070505	LINAC L03 COMMISSIONING SUMMARY	333	03/28/07	07/23/08																																																												
LN07050510	COMP: Commissioning Plans Complete	0		05/08/07																																																												
LN07050515	Write Bm Authorization Sheet (BAS) Requirements	30	09/17/07	10/26/07																																																												
LN07050500	REQD: L03 Equipment Ready for Commissioning	0		09/27/07																																																												
LN07050520	REQD: L02 & BC2 Commissioning Complete	0		02/28/08																																																												
LN07050525	Commission L03, Physics	10	02/29/08	03/13/08																																																												
LN07050530	Commission L03, Operations	10	02/29/08	03/13/08																																																												
LN07050555	Support L03 Commissioning RF	10	02/29/08	03/13/08																																																												

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>2.03.07.05 Linac L03 System Commissioning</b>																																																																
LN07050590	Support L03 Commissioning Mechanical	10	02/29/08	03/13/08																																					Support L03 Commissioning Mechanical																							
LN07050600	Support L03 Commissioning Survey	10	02/29/08	03/13/08																																					Support L03 Commissioning Survey																							
LN07050605	Support L03 Commissioning Power Conv	10	02/29/08	03/13/08																																					Support L03 Commissioning Power Conv																							
LN07050620	COMP: L03 Commissioning Complete	0		03/13/08																																					COMP: L03 Commissioning Complete																							
LN07050700	L03 System Available for Undulator Commissioning	60	04/29/08	07/23/08																																					L03 System Available for Undulator Commissioning																							
<b>2.03.07.06 Linac LTU System Commissioning</b>																																																																
LN07060505	Develop Commissioning Plans	30	03/28/07	05/08/07																																					Develop Commissioning Plans																							
LN070605	LINAC LTU COMMISSIONING SUMMARY	333	03/28/07	07/23/08																																					LINAC LTU COMMISSIONING SUMMARY																							
LN07060510	COMP: Commissioning Plans Complete	0		05/08/07																																					COMP: Commissioning Plans Complete																							
LN07060515	Write Bm Authorization Sheet (BAS) Requirements	30	09/17/07	10/26/07																																					Write Bm Authorization Sheet (BAS) Requirements																							
LN07060500	REQD: LTU Equipment Ready for Commissioning	0		11/30/07																																					REQD: LTU Equipment Ready for Commissioning																							
LN07060520	REQD: L01,02,03 & BC1,2 Commissioning Complete	0		03/13/08																																					REQD: L01,02,03 & BC1,2 Commissioning Complete																							
LN07060525	Obtain Beam Authorization Sheet (BAS)	5	03/14/08	03/20/08																																					Obtain Beam Authorization Sheet (BAS)																							
LN07060530	PPS Checkout Linac	1	03/21/08	03/21/08																																					PPS Checkout Linac																							
LN07060535	Search and Lock Linac	1	03/24/08	03/24/08																																					Search and Lock Linac																							
LN07060540	Commission LTU, Physics	10	04/15/08	04/28/08																																					Commission LTU, Physics																							
LN07060545	Commission LTU, Operations	10	04/15/08	04/28/08																																					Commission LTU, Operations																							
LN07060580	Support LTU Commissioning Hardware	10	04/15/08	04/28/08																																					Support LTU Commissioning Hardware																							
LN07060585	Support LTU Commissioning Mechanical	10	04/15/08	04/28/08																																					Support LTU Commissioning Mechanical																							
LN07060590	Support LTU Commissioning Survey	10	04/15/08	04/28/08																																					Support LTU Commissioning Survey																							
LN07060595	Support LTU Commissioning Power Conv	10	04/15/08	04/28/08																																					Support LTU Commissioning Power Conv																							
LN07060600	COMP: LTU Commissioning Complete	0		04/28/08																																					COMP: LTU Commissioning Complete																							
LN07060700	LTU System Available for Undulator Commissioning	60	04/29/08	07/23/08																																					LTU System Available for Undulator Commissioning																							
<b>2.03.07.07 Linac E-Dump System Commissioning</b>																																																																
LN07070505	Develop Commissioning Plans	30	03/28/07	05/08/07																																					Develop Commissioning Plans																							
LN070705	LINAC E-DUMP COMMISSIONING SUMMARY	293	03/28/07	05/27/08																																					LINAC E-DUMP COMMISSIONING SUMMARY																							

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>2.03.07.07 Linac E-Dump System Commissioning</b>																																																																
LN07070510	COMP: Commissioning Plans Complete	0		05/08/07	COMP: Commissioning Plans Complete																																																											
LN07070500	REQD: E-Dump Equipment Ready for Commissioning	0		06/27/07	REQD: E-Dump Equipment Ready for Commissioning																																																											
LN07070515	Write Bm Authorization Sheet (BAS) Requirements	30	09/17/07	10/26/07	Write Bm Authorization Sheet (BAS) Requirements																																																											
LN07070520	REQD: L01,2,3, BC1,2 & LTU Commissioning Complete	0		05/12/08	REQD: L01,2,3, BC1,2 & LTU Commissioning Complete																																																											
LN07070535	Commission E-Dump, Physics	10	05/13/08	05/27/08	Commission E-Dump, Physics																																																											
LN07070540	Commission E-Dump, Operations	10	05/13/08	05/27/08	Commission E-Dump, Operations																																																											
LN07070565	Support E-Dump Commissioning Hardware	10	05/13/08	05/27/08	Support E-Dump Commissioning Hardware																																																											
LN07070570	Support E-Dump Commissioning Mechanical	10	05/13/08	05/27/08	Support E-Dump Commissioning Mechanical																																																											
LN07070575	Support E-Dump Commissioning Survey	10	05/13/08	05/27/08	Support E-Dump Commissioning Survey																																																											
LN07070580	Support E-Dump Commissioning Power Conv	10	05/13/08	05/27/08	Support E-Dump Commissioning Power Conv																																																											
LN07070585	COMP: E-Dump Commissioning Complete Ready for Ops	0		05/27/08	COMP: E-Dump Commissioning Complete Ready for Ops																																																											
<b>2.04 UNDULATOR SYSTEM (OPC)</b>																																																																
<b>2.04.02 Controls</b>																																																																
<b>2.04.02.07 Machine Protection</b>																																																																
UN27_00092	Procure Spare MPS Hardware	1	10/03/06	10/03/06	Procure Spare MPS Hardware																																																											
UN27_00312	AWARD: spare signal electronics	1	10/03/06	10/03/06	AWARD: spare signal electronics																																																											
UN27_00532	Procure spare signal electronics	1	10/03/06	10/03/06	Procure spare signal electronics																																																											
UN27_00324	REC: spare signal electronics	1	10/18/06	10/18/06	REC: spare signal electronics																																																											
<b>2.04.03 Undulator Magnet &amp; Support</b>																																																																
<b>2.04.03.03 1st Article Undulators &amp; Long Lead Procurements</b>																																																																
UN33_20021	AWARD: Magnet Blocks	1	10/03/06	10/03/06	AWARD: Magnet Blocks																																																											
UN33_20110	RCV: From Vendor - 2nd Half Magnet Blocks 7/20	1	10/03/06	10/03/06	RCV: From Vendor - 2nd Half Magnet																																																											
UN33_20120	100% magnet blocks received	0		10/03/06	100% magnet blocks received																																																											
UN33_30321	AWARD - Magnet Poles	1	10/03/06	10/03/06	AWARD - Magnet Poles																																																											
UN33_10400	Vendor Fab/Assy - Ti Strongback Article 34	10	10/03/06	10/16/06	Vendor Fab/Assy - Ti Strongback Article 34																																																											
UN33_30110	RCV: From Vendor - 4th Lot Magnet Poles (34-40)	1	10/04/06	10/04/06	RCV: From Vendor - 4th Lot Magnet P																																																											
UN33_30120	100% magnet poles received	0		10/04/06	100% magnet poles received																																																											

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>2.04.03.03 1st Article Undulators &amp; Long Lead Procurements</b>																																																																
UN33_10402	ACCEPT: Factory Acceptance - Ti S/B Article 34	1	10/16/06	10/16/06	ACCEPT: Factory Acceptance - Ti S/B Article 34																																																											
UN33_10404	Vendor Ship - Ti S/B Article 34	5	10/17/06	10/23/06																																					Vendor Ship - Ti S/B Article 34																							
UN33_10408	Vendor Fab/Assy - Ti Strongback Article 35	10	10/17/06	10/30/06																									Vendor Fab/Assy - Ti Strongback Article 35																																			
UN33_10406	RCV: From Vendor - Ti Strongback Article 34	0		10/23/06	RCV: From Vendor - Ti Strongback Article 34																																																											
UN33_10410	ACCEPT: Factory Acceptance - Ti S/B Article 35	1	10/30/06	10/30/06	ACCEPT: Factory Acceptance - Ti S/B Article 35																																																											
UN33_10412	Vendor Ship - Ti S/B Article 35	5	10/31/06	11/06/06																																					Vendor Ship - Ti S/B Article 35																							
UN33_10420	Vendor Fab/Assy - Ti Strongback Article 36	10	10/31/06	11/13/06																									Vendor Fab/Assy - Ti Strongback Article 36																																			
UN33_10414	RCV: From Vendor - Ti Strongback Article 35	0		11/06/06	RCV: From Vendor - Ti Strongback Article 35																																																											
UN33_10422	ACCEPT: Factory Acceptance - Ti S/B Article 36	1	11/13/06	11/13/06	ACCEPT: Factory Acceptance - Ti S/B Article 36																																																											
UN33_10424	Vendor Ship - Ti S/B Article 36	5	11/14/06	11/20/06																																					Vendor Ship - Ti S/B Article 36																							
UN33_10428	Vendor Fab/Assy - Ti Strongback Article 37	10	11/14/06	11/29/06																									Vendor Fab/Assy - Ti Strongback Article 37																																			
UN33_10426	RCV: From Vendor - Ti Strongback Article 36	0		11/20/06	RCV: From Vendor - Ti Strongback Article 36																																																											
UN33_10430	ACCEPT: Factory Acceptance - Ti S/B Article 37	1	11/29/06	11/29/06	ACCEPT: Factory Acceptance - Ti S/B Article 37																																																											
UN33_10432	Vendor Ship - Ti S/B Article 37	5	11/30/06	12/06/06																																					Vendor Ship - Ti S/B Article 37																							
UN33_10440	Vendor Fab/Assy - Ti Strongback Article 38	10	11/30/06	12/13/06																									Vendor Fab/Assy - Ti Strongback Article 38																																			
UN33_10434	RCV: From Vendor - Ti Strongback Article 37	0		12/06/06	RCV: From Vendor - Ti Strongback Article 37																																																											
UN33_10442	ACCEPT: Factory Acceptance - Ti S/B Article 38	1	12/13/06	12/13/06	ACCEPT: Factory Acceptance - Ti S/B Article 38																																																											
UN33_10444	Vendor Ship - Ti S/B Article 38	5	12/14/06	12/20/06																																					Vendor Ship - Ti S/B Article 38																							
UN33_10448	Vendor Fab/Assy - Ti Strongback Article 39	10	12/14/06	12/28/06																									Vendor Fab/Assy - Ti Strongback Article 39																																			
UN33_10446	RCV: From Vendor - Ti Strongback Article 38	0		12/20/06	RCV: From Vendor - Ti Strongback Article 38																																																											
UN33_10450	ACCEPT: Factory Acceptance - Ti S/B Article 39	1	12/28/06	12/28/06	ACCEPT: Factory Acceptance - Ti S/B Article 39																																																											
UN33_10452	Vendor Ship - Ti S/B Article 39	5	12/29/06	01/05/07																																					Vendor Ship - Ti S/B Article 39																							
UN33_10460	Vendor Fab/Assy - Ti Strongback Article 40	10	12/29/06	01/12/07																									Vendor Fab/Assy - Ti Strongback Article 40																																			
UN33_10454	RCV: From Vendor - Ti Strongback Article 39	0		01/05/07	RCV: From Vendor - Ti Strongback Article 39																																																											
UN33_10462	ACCEPT: Factory Acceptance - Ti S/B Article 40	1	01/12/07	01/12/07	ACCEPT: Factory Acceptance - Ti S/B Article 40																																																											
UN33_10500	Ti Strongback Delivery 100% Complete	1	01/12/07	01/12/07	Ti Strongback Delivery 100% Complete																																																											

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>2.04.03.03 1st Article Undulators &amp; Long Lead Procurements</b>																																																																
UN33_10464	Vendor Ship - Ti S/B Article 40	5	01/16/07	01/22/07																																					Vendor Ship - Ti S/B Article 40																							
UN33_10466	RCV: From Vendor - Ti Strongback Article 40	0		01/22/07																																					RCV: From Vendor - Ti Strongback Article 40																							
<b>2.04.03.04 Production Undulator</b>																																																																
UN33_10010	Prep Bid Package - Ti Strongback	54*	05/28/04A	08/13/04	Prep Bid Package - Ti Strongback																																																											
UN34_10109	RCV: Ti Strongback - Vend B #34	0		10/23/06																																					RCV: Ti Strongback - Vend B #34																							
UN34_00113	RCV: Ti Strongback - Vend A #35	0		11/06/06																																					RCV: Ti Strongback - Vend A #35																							
UN34_10113	RCV: Ti Strongback - Vend B #36	0		11/20/06																																					RCV: Ti Strongback - Vend B #36																							
UN34_00117	RCV: Ti Strongback - Vend A #37	0		12/06/06																																					RCV: Ti Strongback - Vend A #37																							
UN34_10117	RCV: Ti Strongback - Vend B #38	0		12/20/06																																					RCV: Ti Strongback - Vend B #38																							
UN34_00121	RCV: Ti Strongback - Vend A #39	0		01/05/07																																					RCV: Ti Strongback - Vend A #39																							
UN34_10121	RCV: Ti Strongback - Vend B #40	0		01/22/07																																					RCV: Ti Strongback - Vend B #40																							
UN34_10110	Vendor B Fab/Assy - Magnet Assy/Sup Article 34	10	06/08/07	06/21/07	Vendor B Fab/Assy - Magnet Assy/Sup Article 34																																																											
UN34_00114	Vendor A Fab/Assy - Magnet Assy/Sup Article 35	10	06/11/07	06/22/07	Vendor A Fab/Assy - Magnet Assy/Sup Article 35																																																											
UN34_10112	RCV: From Vendor B - Magnet Assy/Sup Article 3	1	06/22/07	06/22/07	RCV: From Vendor B - Magnet Assy/Sup Article 3																																																											
UN34_00116	RCV: From Vendor A - Magnet Assy/Sup Article 3	1	06/25/07	06/25/07	RCV: From Vendor A - Magnet Assy/Sup Article 3																																																											
UN34_10114	Vendor B Fab/Assy - Magnet Assy/Sup Article 36	10	06/25/07	07/09/07	Vendor B Fab/Assy - Magnet Assy/Sup Article 36																																																											
UN34_00118	Vendor A Fab/Assy - Magnet Assy/Sup Article 37	10	06/26/07	07/10/07	Vendor A Fab/Assy - Magnet Assy/Sup Article 37																																																											
UN34_10116	RCV: From Vendor B - Magnet Assy/Sup Article 3	1	07/10/07	07/10/07	RCV: From Vendor B - Magnet Assy/Sup Article 3																																																											
UN34_00120	RCV: From Vendor A - Magnet Assy/Sup Article 3	1	07/11/07	07/11/07	RCV: From Vendor A - Magnet Assy/Sup Article 3																																																											
UN34_10118	Vendor B Fab/Assy - Magnet Assy/Sup Article 38	10	07/11/07	07/24/07	Vendor B Fab/Assy - Magnet Assy/Sup Article 38																																																											
UN34_00122	Vendor A Fab/Assy - Magnet Assy/Sup Article 39	10	07/12/07	07/25/07	Vendor A Fab/Assy - Magnet Assy/Sup Article 39																																																											
UN34_10120	RCV: From Vendor B - Magnet Assy/Sup Article 3	1	07/25/07	07/25/07	RCV: From Vendor B - Magnet Assy/Sup Article 3																																																											
UN34_00124	RCV: From Vendor A - Magnet Assy/Sup Article 3	1	07/26/07	07/26/07	RCV: From Vendor A - Magnet Assy/Sup Article 3																																																											
UN34_10122	Vendor B Fab/Assy - Magnet Assy/Sup Article 40	10	07/26/07	08/08/07	Vendor B Fab/Assy - Magnet Assy/Sup Article 40																																																											
UN34_10154	100% production/spare undulators received	0		08/08/07	100% production/spare undulators received																																																											
UN34_10124	RCV: From Vendor B - Magnet Assy/Sup Article 4	1	08/09/07	08/09/07	RCV: From Vendor B - Magnet Assy/Sup Article 4																																																											



Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>2.04.03.05 Focusing Magnets</b>																																																																
UN35_00132	Vendor Fab/Assy - Quads Spares (4-mag, 4-sppt)	10	10/03/06	10/16/06																																					█ Vendor Fab/Assy - Quads Spares (4-																							
UN35_00142	100% Quads received	0		10/16/06																																					◆ 100% Quads received																							
<b>2.04.03.06 Undulator Magnetic Measurement Facility (SLAC)</b>																																																																
UN36_02650	Magnetic Field Measurement #34 Article at SLAC	2	12/21/06	12/22/06	█												█												█												█												█											
UN36_02670	Magnetic Field Measurement #35 Article at SLAC	2	12/21/06	12/22/06	█												█												█												█												█											
UN36_02690	Magnetic Field Measurement #36 Article at SLAC	2	12/21/06	12/22/06	█												█												█												█												█											
UN36_02710	Magnetic Field Measurement #37 Article at SLAC	2	12/21/06	12/22/06	█												█												█												█												█											
UN36_02718	Magnetic Field Measurement #38 Article at SLAC	2	12/21/06	12/22/06	█												█												█												█												█											
UN36_02730	Magnetic Field Measurement #39 Article at SLAC	2	12/21/06	12/22/06	█												█												█												█												█											
UN36_02750	Magnetic Field Measurement #40 Article at SLAC	2	12/21/06	12/22/06	█												█												█												█												█											
UN36_02660	Quadrupole #34 Fiducialization	2	12/26/06	12/27/06																																					█												█											
UN36_02680	Quadrupole #35 Fiducialization	2	12/28/06	12/29/06																																					█												█											
UN36_02700	Quadrupole #36 Fiducialization	2	01/02/07	01/03/07																																					█												█											
UN36_02715	Quadrupole #37 Fiducialization	2	01/04/07	01/05/07																																					█												█											
UN36_02720	Quadrupole #38 Fiducialization	2	01/08/07	01/09/07																																					█												█											
UN36_02740	Quadrupole #39 Fiducialization	2	01/10/07	01/11/07																																					█												█											
UN36_02760	Quadrupole #40 Fiducialization	2	01/12/07	01/16/07																																					█												█											
UN362_3310	REQD: Undulator Mag/Sppt - 34	0		06/22/07																																					█												█											
UN362_3410	REQD: Undulator Mag/Sppt - 35	0		06/25/07																																					█												█											
UN362_3320	Adjust to Temperature - 34	15	06/25/07	07/16/07																																					█												█											
UN362_3420	Adjust to Temperature - 35	15	06/26/07	07/17/07																																					█												█											
UN362_3510	REQD: Undulator Mag/Sppt - 36	0		07/10/07																																					█												█											
UN362_3610	REQD: Undulator Mag/Sppt - 37	0		07/11/07																																					█												█											
UN362_3520	Adjust to Temperature - 36	15	07/11/07	07/31/07																																					█												█											
UN362_3620	Adjust to Temperature - 37	15	07/12/07	08/01/07																																					█												█											
UN362_3330	Undulator Setup and Alignment - 34	1	07/17/07	07/17/07																																					█												█											

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>2.04.03.06 Undulator Magnetic Measurement Facility (SLAC)</b>																																																																
UN362_3430	Undulator Setup and Alignment - 35	1	07/18/07	07/18/07																																					Undulator Setup and Alignment - 35																							
UN362_3340	Undulator Measurement and Set Gap - 34	2	07/18/07	07/19/07																																					Undulator Measurement and Set Gap - 34																							
UN362_3440	Undulator Measurement and Set Gap - 35	2	07/19/07	07/20/07																																					Undulator Measurement and Set Gap - 35																							
UN362_3350	Undulator Setup and Alignment - 34	0	07/20/07	07/19/07																																					Undulator Setup and Alignment - 34																							
UN362_3360	Undulator Measurement/Pre-fiducialization - 34	3	07/20/07	07/24/07																																					Undulator Measurement/Pre-fiducialization - 34																							
UN362_3450	Undulator Setup and Alignment - 35	0	07/23/07	07/20/07																																					Undulator Setup and Alignment - 35																							
UN362_3460	Undulator Measurement/Pre-fiducialization - 35	3	07/23/07	07/25/07																																					Undulator Measurement/Pre-fiducialization - 35																							
UN362_3370	Undulator Setup and Alignment - 34	1	07/25/07	07/25/07																																					Undulator Setup and Alignment - 34																							
UN362_3710	REQD: Undulator Mag/Sppt - 38	0		07/25/07																																					REQD: Undulator Mag/Sppt - 38																							
UN362_3380	Undulator Fiducialization - 34	1	07/26/07	07/26/07																																					Undulator Fiducialization - 34																							
UN362_3470	Undulator Setup and Alignment - 35	1	07/26/07	07/26/07																																					Undulator Setup and Alignment - 35																							
UN362_3810	REQD: Undulator Mag/Sppt - 39	0		07/26/07																																					REQD: Undulator Mag/Sppt - 39																							
UN362_3720	Adjust to Temperature - 38	15	07/26/07	08/15/07																																					Adjust to Temperature - 38																							
UN362_3480	Undulator Fiducialization - 35	1	07/27/07	07/27/07																																					Undulator Fiducialization - 35																							
UN362_3390	Undulator/QD/VacCh/BPM/Prealign - 34	2	07/27/07	07/30/07																																					Undulator/QD/VacCh/BPM/Prealign - 34																							
UN362_3820	Adjust to Temperature - 39	15	07/27/07	08/16/07																																					Adjust to Temperature - 39																							
UN362_3400	Undulator RFI - 34	0		07/30/07																																					Undulator RFI - 34																							
UN362_3490	Undulator/QD/VacCh/BPM/Prealign - 35	2	07/30/07	07/31/07																																					Undulator/QD/VacCh/BPM/Prealign - 35																							
UN362_3500	Undulator RFI - 35	0		07/31/07																																					Undulator RFI - 35																							
UN362_3530	Undulator Setup and Alignment - 36	1	08/01/07	08/01/07																																					Undulator Setup and Alignment - 36																							
UN362_3630	Undulator Setup and Alignment - 37	1	08/02/07	08/02/07																																					Undulator Setup and Alignment - 37																							
UN362_3540	Undulator Measurement and Set Gap - 36	2	08/02/07	08/03/07																																					Undulator Measurement and Set Gap - 36																							
UN362_3640	Undulator Measurement and Set Gap - 37	2	08/03/07	08/06/07																																					Undulator Measurement and Set Gap - 37																							
UN362_3550	Undulator Setup and Alignment - 36	0	08/06/07	08/03/07																																					Undulator Setup and Alignment - 36																							
UN362_3560	Undulator Measurement/Pre-fiducialization - 36	3	08/06/07	08/08/07																																					Undulator Measurement/Pre-fiducialization - 36																							
UN362_3650	Undulator Setup and Alignment - 37	0	08/07/07	08/06/07																																					Undulator Setup and Alignment - 37																							

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>2.04.03.06 Undulator Magnetic Measurement Facility (SLAC)</b>																																																																
UN362_3660	Undulator Measurement/Pre-fiducialization - 37	3	08/07/07	08/09/07																																																												
UN362_3570	Undulator Setup and Alignment - 36	1	08/09/07	08/09/07																																																												
UN362_3910	REQD: Undulator Mag/Sppt - 40	0		08/09/07																																																												
UN362_3580	Undulator Fiducialization - 36	1	08/10/07	08/10/07																																																												
UN362_3670	Undulator Setup and Alignment - 37	1	08/10/07	08/10/07																																																												
UN362_3920	Adjust to Temperature - 40	15	08/10/07	08/30/07																																																												
UN362_3680	Undulator Fiducialization - 37	1	08/13/07	08/13/07																																																												
UN362_3590	Undulator/QD/VacCh/BPM/Prealign - 36	2	08/13/07	08/14/07																																																												
UN362_3600	Undulator RFI - 36	0		08/14/07																																																	◆ Undulator RFI - 36											
UN362_3690	Undulator/QD/VacCh/BPM/Prealign - 37	2	08/14/07	08/15/07																																																												
UN362_3700	Undulator RFI - 37	0		08/15/07																																																	◆ Undulator RFI - 37											
UN362_3730	Undulator Setup and Alignment - 38	1	08/16/07	08/16/07																																																												
UN362_3830	Undulator Setup and Alignment - 39	1	08/17/07	08/17/07																																																												
UN362_3740	Undulator Measurement and Set Gap - 38	2	08/17/07	08/20/07																																																												
UN362_3840	Undulator Measurement and Set Gap - 39	2	08/20/07	08/21/07																																																												
UN362_3750	Undulator Setup and Alignment - 38	0	08/21/07	08/20/07																																																												
UN362_3760	Undulator Measurement/Pre-fiducialization - 38	3	08/21/07	08/23/07																																																												
UN362_3850	Undulator Setup and Alignment - 39	0	08/22/07	08/21/07																																																												
UN362_3860	Undulator Measurement/Pre-fiducialization - 39	3	08/22/07	08/24/07																																																												
UN362_3770	Undulator Setup and Alignment - 38	1	08/24/07	08/24/07																																																												
UN362_3780	Undulator Fiducialization - 38	1	08/27/07	08/27/07																																																												
UN362_3870	Undulator Setup and Alignment - 39	1	08/27/07	08/27/07																																																												
UN362_3880	Undulator Fiducialization - 39	1	08/28/07	08/28/07																																																												
UN362_3790	Undulator/QD/VacCh/BPM/Prealign - 38	2	08/28/07	08/29/07																																																												
UN362_3800	Undulator RFI - 38	0		08/29/07																																																	◆ Undulator RFI - 38											
UN362_3890	Undulator/QD/VacCh/BPM/Prealign - 39	2	08/29/07	08/30/07																																																												



Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>2.04.04.05 Short Diagnostic Break (SDB) Assembly</b>																																																																
UN46_00211	AWARD: LDB Chamber Weldment Assembly (1)	2	10/03/06	10/04/06																																																	AWARD: LDB Chamber Weldment As											
UN45_00241	AWARD: Chamber Support (1)	3	10/03/06	10/05/06																																																	AWARD: Chamber Support (1)											
UN45_00251	AWARD: Pump Support (1)	3	10/03/06	10/05/06																																																	AWARD: Pump Support (1)											
UN45_00321	Rec: SDB Chamber Weldment Assembly	30	10/06/06	11/16/06																																																	Rec: SDB Chamber Weldment Assembly											
UN45_00323	Rec: SDB Pump Manifold	30	10/06/06	11/16/06																																																	Rec: SDB Pump Manifold											
UN45_00325	Rec: SDB Ion Pump	30	10/06/06	11/16/06																																																	Rec: SDB Ion Pump											
UN45_00327	Rec: SDB Ion Pump Power Supply	30	10/06/06	11/16/06																																																	Rec: SDB Ion Pump Power Supply											
UN45_00329	Rec: SDB Ion Pump Cable	30	10/06/06	11/16/06																																																	Rec: SDB Ion Pump Cable											
UN45_00331	Rec: SDB Chamber Supports	30	10/06/06	11/16/06																																																	Rec: SDB Chamber Supports											
UN45_00333	Rec: SDB Pump Supports	30	10/06/06	11/16/06																																																	Rec: SDB Pump Supports											
<b>2.04.04.06 Long Diagnostic Break (LDB) Assembly</b>																																																																
UN46_00206	AWARD: LDB Valve (2)	2	10/03/06	10/04/06																																																	AWARD: LDB Valve (2)											
UN46_00241	AWARD: LDB Pump Manifold (1)	2	10/03/06	10/04/06																																																	AWARD: LDB Pump Manifold (1)											
UN46_00251	AWARD: LDB Ion Pump (1)	2	10/03/06	10/04/06																																																	AWARD: LDB Ion Pump (1)											
UN46_00311	AWARD: LDB Chamber Support (1)	2	10/03/06	10/04/06																																																	AWARD: LDB Chamber Support (1)											
UN46_00321	AWARD: LDB Ion Pump Support (1)	2	10/03/06	10/04/06																																																	AWARD: LDB Ion Pump Support (1)											
UN46_00351	Rec: LDB Valve (2)	40	10/05/06	12/01/06																																																	Rec: LDB Valve (2)											
UN46_00401	Rec: LDB Chamber Weldment Assembly (1)	40	10/05/06	12/01/06																																																	Rec: LDB Chamber Weldment Assembly (1)											
UN46_00403	Rec: LDB Pump Manifold (1)	40	10/05/06	12/01/06																																																	Rec: LDB Pump Manifold (1)											
UN46_00405	Rec: LDB Ion Pump (1)	40	10/05/06	12/01/06																																																	Rec: LDB Ion Pump (1)											
UN46_00407	Rec: LDB Chamber Support (1)	40	10/05/06	12/01/06																																																	Rec: LDB Chamber Support (1)											
UN46_00409	Rec: LDB Ion Pump Support (1)	40	10/05/06	12/01/06																																																	Rec: LDB Ion Pump Support (1)											
<b>2.04.04.07 Entrance Section Assembly</b>																																																																
UN47_00261	AWARD: Standard Entrance Chamber (1)	3	10/03/06	10/05/06																																																	AWARD: Standard Entrance Chamber (1)											
UN47_00271	AWARD: Entrance Bellows (2)	3	10/03/06	10/05/06																																																	AWARD: Entrance Bellows (2)											
UN47_00281	AWARD: Entrance Upstream Chamber (1)	3	10/03/06	10/05/06																																																	AWARD: Entrance Upstream Chamber (1)											



Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>2.04.04.07 Entrance Section Assembly</b>																																																																
UN47_00489	Rec: Gate Valve Support	40	10/06/06	12/04/06																																					■ Rec: Gate Valve Support																							
UN47_00479	Rec: Vacuum Gauge	40	12/05/06	02/01/07																																					■ Rec: Vacuum Gauge																							
UN47_00491	Rec: RGA Support	40	12/05/06	02/01/07																																					■ Rec: RGA Support																							
<b>2.04.04.08 Exit Section Assembly</b>																																																																
UN48_00261	AWARD: Standard Exit Chamber (1)	3	10/03/06	10/05/06																																					■ AWARD: Standard Exit Chamber (1)																							
UN48_00291	AWARD: Exit Downstream Chamber (1)	3	10/03/06	10/05/06													■ AWARD: Exit Downstream Chamber (1)																																															
UN48_00321	Award: Turbo Pump	3	10/03/06	10/05/06																																					■ Award: Turbo Pump																							
UN48_00331	AWARD: Roughing Pump	3	10/03/06	10/05/06																																					■ AWARD: Roughing Pump																							
UN48_00391	AWARD: Standard Exit Chamber Support (1)	3	10/03/06	10/05/06													■ AWARD: Standard Exit Chamber Support (1)																																															
UN48_00401	AWARD: Exit Downstream Chamber Support (1)	3	10/03/06	10/05/06																																					■ AWARD: Exit Downstream Chamber Support (1)																							
UN48_00461	Rec.: Standard Exit Chamber	40	10/06/06	12/04/06																																					■ Rec.: Standard Exit Chamber																							
UN48_00464	Rec: Exit Downstream Chamber	40	10/06/06	12/04/06																																					■ Rec: Exit Downstream Chamber																							
UN48_00468	Rec: Turbo Pump	40	10/06/06	12/04/06																																					■ Rec: Turbo Pump																							
UN48_00470	Rec: Roughing Pump	40	10/06/06	12/04/06																																					■ Rec: Roughing Pump																							
UN48_00477	Rec: Standard Exit Chamber Support	40	10/06/06	12/04/06																																					■ Rec: Standard Exit Chamber Support																							
UN48_00479	Rec: Exit Downstream Chamber Support	40	10/06/06	12/04/06																																					■ Rec: Exit Downstream Chamber Support																							
<b>2.04.05 Undulator System Diagnostics [OPC]</b>																																																																
<b>2.04.05.02 E-Beam and X-Ray Profile Diagnostics</b>																																																																
UN502_1380	EBXPD Principles Workshop	112	08/01/03A	01/20/04A																																																												
UN502_1390	EBXPD Station Specification	213*	01/21/04A	11/18/04													■ EBXPD Station Specification																																															
UN502_1160	Design Prototype EBXPD-IMG	20	11/03/05	12/05/05																																					■ Design Prototype EBXPD-IMG																							
UN502_0960	Design Prototype EBXPD-XRM	40	11/03/05	01/04/06																																					■ Design Prototype EBXPD-XRM																							
UN502_1170	Mechanical Analysis	5	12/06/05	12/13/05																																					■ Mechanical Analysis																							
UN502_1180	Fabricate Prototype EBXPD-IMG	25	12/14/05	01/23/06																																					■ Fabricate Prototype EBXPD-IMG																							
UN502_0840	Design Prototype EBXPD-XRID	40	12/14/05	02/10/06																																					■ Design Prototype EBXPD-XRID																							
UN502_0970	Mechanical Analysis	10	01/05/06	01/20/06																																					■ Mechanical Analysis																							

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>2.04.05.02 E-Beam and X-Ray Profile Diagnostics</b>																																																																
UN502_0980	Fabricate Prototype EBXPD-XRM	25	01/23/06	02/28/06																																																												
UN502_1190	Test Prototype EBXPD-IMG	5	01/24/06	01/31/06																																																												
UN502_0850	Mechanical Analysis	12	02/13/06	03/02/06																																																												
UN502_0990	Test Prototype EBXPD-XRM	10	03/01/06	03/15/06																																																												
UN502_0860	Fabricate Prototype EBXPD-XRID	30	03/03/06	04/14/06																																																												
UN502_0870	Test Prototype EBXPD-XRID	8	04/17/06	04/27/06																																																												
UN502_0402	AWARD: Beam Tube and Spring Contact (1)	2	10/03/06	10/04/06																																																												
UN502_0414	AWARD: Main translation stage (1)	2	10/03/06	10/04/06																																																												
UN502_0572	AWARD: Motorized scanner (1)	2	10/03/06	10/04/06																																																												
UN502_0582	AWARD: Wire Mounting Rack (1)	2	10/03/06	10/04/06																																																												
UN502_0592	AWARD: Photo electron detector (1)	2	10/03/06	10/04/06																																																												
UN502_0752	AWARD: Mirrors (1)	2	10/03/06	10/04/06																																																												
UN502_0762	AWARD: Motorized shutter (upstream) (1)	2	10/03/06	10/04/06																																																												
UN502_0772	AWARD: Light transport/imaging optics (vac) (1)	2	10/03/06	10/04/06																																																												
UN502_0782	AWARD: Motorized filter/aperture changer (1)	2	10/03/06	10/04/06																																																												
UN502_0792	AWARD: Camera assembly and shielding (1)	2	10/03/06	10/04/06																																																												
UN502_0241	Award: EBXPD Vacuum Chamber (1)	5	10/03/06	10/09/06																																																												
UN502_0251	AWARD: EBXPD Support Stand (1)	5	10/03/06	10/09/06																																																												
UN502_0612	Rec: Motorized Scanner (1)	40	10/03/06	11/29/06																																																												
UN502_0616	Rec: Wire Rack (1)	40	10/05/06	12/01/06																																																												
UN502_0619	Rec: Photo electron detector (1)	40	10/05/06	12/01/06																																																												
UN502_0811	Rec: Mirrors (1)	40	10/05/06	12/01/06																																																												
UN502_0813	Rec: Motorized Shutter (upstream) (1)	40	10/05/06	12/01/06																																																												
UN502_0815	Rec: Light transport/imaging optics (vac) (1)	40	10/05/06	12/01/06																																																												
UN502_0819	Rec: Camera assembly and shielding (1)	40	10/05/06	12/01/06																																																												
UN502_0826	Rec: Motorized filter/aperture changer (1)	40	10/05/06	12/01/06																																																												



Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>2.04.05.02 E-Beam and X-Ray Profile Diagnostics</b>																																																																
UN502_0432	Rec: Beam Tube and Spring Contact (1)	30	10/10/06	11/20/06																									Rec: Beam Tube and Spring Contact (1)																																			
UN502_0444	Rec: Main translation stage (1)	30	10/10/06	11/20/06																																					Rec: Main translation stage (1)																							
UN502_0271	Rec: EBXPD Vacuum Chamber (1)	40	10/10/06	12/06/06																																					Rec: EBXPD Vacuum Chamber (1)																							
UN502_0275	Rec: EBXPD Support Stand (1)	40	10/10/06	12/06/06																																					Rec: EBXPD Support Stand (1)																							
<b>2.04.05.03 High-Power X-Ray and Profile Diagnostics (HPPD)</b>																																																																
UN503_0770	Specification of HPPD	8	11/29/05	12/09/05																																					Specification of HPPD																							
UN503_0780	Analysis and Simulations - HPPD	20	12/12/05	01/11/06																																					Analysis and Simulations - HPPD																							
UN503_0790	Literature Research - HPPD	20	01/12/06	02/10/06																																					Literature Research - HPPD																							
UN503_0800	Study Review and Recommendations - HPPD	10	02/13/06	02/28/06																																					Study Review and Recommendations - HPPD																							
UN503_0810	HPPD Study Period Complete	0		02/28/06																																					HPPD Study Period Complete																							
UN503_0040	Preliminary Design - PRPT HPPD	20	03/01/06	03/29/06																																					Preliminary Design - PRPT HPPD																							
UN503_0050	Design Analysis - PRPT HPPD	5	03/30/06	04/06/06																																					Design Analysis - PRPT HPPD																							
UN503_0060	Design Review - PRPT HPPD	7	04/07/06	04/18/06																																					Design Review - PRPT HPPD																							
UN503_0070	Final Design - PRPT HPPD	15	04/19/06	05/10/06																																					Final Design - PRPT HPPD																							
UN503_0142	Determine Suitable Test Facility - HPPD	2	05/11/06	05/12/06																																					Determine Suitable Test Facility - HPPD																							
UN503_0090	Prepare Bid Package - ODR Module	25	05/11/06	06/16/06																																					Prepare Bid Package - ODR Module																							
UN503_0100	Prepare Bid Package - Laser Wire Module	25	05/11/06	06/16/06																																					Prepare Bid Package - Laser Wire Module																							
UN503_0152	Assemble Test Station - HPPD	12	05/15/06	05/31/06																																					Assemble Test Station - HPPD																							
UN503_0110	Bid Process - PRPT HPPD	20	06/19/06	07/18/06																																					Bid Process - PRPT HPPD																							
UN503_0120	Evaluate Bids - PRPT HPPD	8	07/19/06	07/31/06																																					Evaluate Bids - PRPT HPPD																							
UN503_0130	AWARD: ODR Module	3	08/01/06	08/03/06																																					AWARD: ODR Module																							
UN503_0135	AWARD: ODR Module Sppt	3	08/01/06	08/03/06																																					AWARD: ODR Module Sppt																							
UN503_0140	AWARD: Laser Wire Module	5	08/04/06	08/10/06																																					AWARD: Laser Wire Module																							
UN503_0145	AWARD: Laser Wire Module Sppt	5	08/04/06	08/10/06																																					AWARD: Laser Wire Module Sppt																							
UN503_0141	RCV: PRPT HPPD Components	1	08/11/06	08/11/06																																					RCV: PRPT HPPD Components																							
UN503_0150	Integrate Controls - HPPD	15	08/14/06	09/05/06																																					Integrate Controls - HPPD																							

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>2.04.05.03 High-Power X-Ray and Profile Diagnostics (HPD)</b>																																																																
UN503_0160	Perform Module Testing - HPPD	20	09/06/06	10/04/06																																					■ Perform Module Testing - HPPD																							
UN503_0170	Test Measurements Review meeting - HPPD	5	10/05/06	10/12/06													■ Test Measurements Review meeting - HPPD																																															
UN503_0180	HPPD Testing Complete	0		10/12/06																																					◆ HPPD Testing Complete																							
<b>2.04.05.04 End-of-Undulator(EOU) X-ray and Profile diagnost</b>																																																																
UN504_1220	Specification of EOU	223*	01/21/04A	12/06/04	■ Specification of EOU																																																											
UN504_1230	Organize literature Materials	207*	02/20/04A	12/13/04	■ Organize literature Materials																																																											
UN504_1240	Conduct Principles of Design Workshop	7	12/14/04	12/23/04	■ Conduct Principles of Design Workshop																																																											
UN504_1250	Justification Complete	0		12/23/04	◆ Justification Complete																																																											
<b>2.04.05.05 RFBPM</b>																																																																
UN505_0172	AWARD: Copper Body Brazement (4)	3	10/03/06	10/05/06																																					■ AWARD: Copper Body Brazement (4)																							
UN505_0182	AWARD: Support & Alignment Mechanism (4)	3	10/03/06	10/05/06													■ AWARD: Support & Alignment Mechanism (4)																																															
UN505_0192	AWARD: RF Cabling (4)	3	10/03/06	10/05/06																																					■ AWARD: RF Cabling (4)																							
UN505_0211	Rec: Copper Body Brazement (4)	60	10/03/06	12/28/06																																					■ Rec: Copper Body Brazement (4)																							
UN505_0213	Rec: Support & Alignment Mechanism (4)	60	10/03/06	12/28/06													■ Rec: Support & Alignment Mechanism (4)																																															
UN505_0215	Rec: RF Cabling (4)	60	10/03/06	12/28/06																																					■ Rec: RF Cabling (4)																							
<b>2.04.05.07 Charge Monitor (CM)</b>																																																																
UN507_0105	AWARD: Charge Monitor Package (1)	5	10/03/06	10/09/06																																					■ AWARD: Charge Monitor Package (1)																							
UN507_0125	Rec: Charge Monitor Package (1)	30	10/10/06	11/20/06																																					■ Rec: Charge Monitor Package (1)																							
<b>2.04.05.08 Cherenkov Detector</b>																																																																
UN508_0082	AWARD: Cherenkov Detector Package (4)	5	10/03/06	10/09/06													■ AWARD: Cherenkov Detector Package (4)																																															
UN508_0105	Rec: Cherenkov Detector (4)	30	10/03/06	11/13/06																																					■ Rec: Cherenkov Detector (4)																							
<b>2.04.05.09 Radiation Detection Monitor (RDM)</b>																																																																
UN509_0152	AWARD: RDM Package (1)	5	10/03/06	10/09/06																																					■ AWARD: RDM Package (1)																							
UN509_0175	Rec: RDM (1)	30	10/10/06	11/20/06																																					■ Rec: RDM (1)																							
<b>2.04.06 Undulator System Commissioning</b>																																																																
<b>2.04.06.01 Undulator System Commissioning</b>																																																																
UNUN_00010	Support Commissioning - Controls	160	10/03/06	05/22/07																																					■ Support Commissioning - Control																							

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>2.04.06.01 Undulator System Commissioning</b>																																																																
UNUN_00020	Support Commissioning - Mechanical	160	10/03/06	05/22/07													Support Commissioning - Mechanical																																															
UNUN_00030	Support Commissioning - Physics	160	10/03/06	05/22/07													Support Commissioning - Physics																																															
UN511_0250	Commission Supplemental Shielding	15	01/29/07	02/20/07													Commission Supplemental Shielding																																															
UN48_00670	Commission - Exit Section Assy	5	04/11/07	04/18/07													Commission - Exit Section Assy																																															
UN507_0260	Commission Charge Monitor	5	04/11/07	04/18/07													Commission Charge Monitor																																															
UN47_00670	Commission - Entrance Section Assy	5	05/18/07	05/24/07													Commission - Entrance Section Assy																																															
UNMS_00040	Undulator System Commissioning Complete	0		05/22/07													Undulator System Commissioning Complete																																															
UN45_00530	Commission - Short Diag Break Assy	5	06/07/07	06/13/07													Commission - Short Diag Break Assy																																															
UN509_0320	Commission RDM	7	06/18/07	06/26/07																																					Commission RDM																							
UN505_0370	Commission RFBPM	10	06/18/07	06/29/07																																					Commission RFBPM																							
UN508_0250	Commission Cherenkov Detector	10	06/18/07	06/29/07													Commission Cherenkov Detector																																															
UN46_00610	Commission - Long Diag Break Assy	5	07/11/07	07/17/07													Commission - Long Diag Break Assy																																															
UN502_1750	Commission EBXPD	10	07/11/07	07/24/07																																					Commission EBXPD																							
UN42_00810	Commission Un Cham	5	07/18/07	07/24/07																																					Commission Un Cham																							
UN43_00620	Commission Std Bel Mod	5	07/18/07	07/24/07																																					Commission Std Bel Mod																							
UN44_00580	Commission Std Col	5	07/18/07	07/24/07																																					Commission Std Col																							
UN43_CM000	Commission Fixed Supports	80	07/18/07	11/07/07													Commission Fixed Supports																																															
UN36_00490	Commission Hydrostatic Level System	20	08/31/07	09/28/07													Commission Hydrostatic Level System																																															
UN_OPCSPR	Spares Effort Complete	0		09/14/07																																					Spares Effort Complete																							
UN36_00440	Commission Stretched Wire System Complete	20	09/27/07	10/24/07													Commission Stretched Wire System Complete																																															
UN504_1620	Commission EOU	13	12/03/07	12/20/07																																					Commission EOU																							
<b>2.05 X-RAY TRANSPORT &amp; DIAGNOSTICS SYSTEMS (OPC)</b>																																																																
<b>2.05.01 System Management &amp; Integration</b>																																																																
<b>2.05.01.01 Management</b>																																																																
XT_3464	R&D - FEE Physics Preliminary Layout	0		05/28/04*	R&D - FEE Physics Preliminary Layout																																																											
XT_3474	R&D - Near Hall Physics Preliminary Layout	0		05/28/04*	R&D - Near Hall Physics Preliminary Layout																																																											

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>2.05.01.01 Management</b>																																																																
XT_3444	R&D - Component Physics Design	86*	06/01/04	09/30/04	R&D - Component Physics Design																																																											
XT_3445	R&D - Beamline Mechanical Layout	86*	06/01/04	09/30/04	R&D - Beamline Mechanical Layout																																																											
XT_3485	R&D - Beamline Electronics & Controls	86*	06/01/04	09/30/04	R&D - Beamline Electronics & Controls																																																											
XT_3484	R&D - Far Hall Physics Preliminary Layout	0		09/30/04	R&D - Far Hall Physics Preliminary Layout																																																											
XT_3454	LLNL - Commissioning Team	400	10/03/06	05/07/08													LLNL - Commissioning Team																																															
<b>2.05.02 Controls</b>																																																																
<b>2.05.02.03 Fast Controls</b>																																																																
XT_124	Commission FEE - Fast Controls	20	01/15/08	02/12/08																																					Commission FEE - Fast Control																							
<b>2.05.02.04 Femto Controls</b>																																																																
XT_0157	Commission FEE - Femto Controls	20	01/15/08	02/12/08																																					Commission FEE - Femto Control																							
<b>2.05.03 Mechanical &amp; Vacuum Subsystem</b>																																																																
<b>2.05.03.02 Mech/Vac Front End</b>																																																																
XT_7	Commission - FEE Mech/Vac	40	08/15/07	10/10/07																																					Commission - FEE Mech/Vac																							
XT_97	Commission - Electron Dump Mech/Vac	20	01/15/08	02/12/08																																					Commission - Electron Dump Mech/Vac																							
<b>2.05.03.04 Mech/Vac Tunnel</b>																																																																
XT_558	Commission - Tunnel Mech/Vac	20	02/27/08	03/25/08																																					Commission - Tunnel Mech/Vac																							
<b>2.05.03.05 Mech/Vac Far Hall</b>																																																																
XT_668	Commission - Far Hall Mech/Vac - H1	10	09/24/07	10/05/07																																					Commission - Far Hall Mech/Vac - H1																							
XT_76	Commission - Far Hall Mech/Vac - H2	10	09/24/07	10/05/07																																					Commission - Far Hall Mech/Vac - H2																							
XT_84	Commission - Far Hall Mech/Vac - H3	10	11/05/07	11/16/07																																					Commission - Far Hall Mech/Vac - H3																							
<b>2.05.04 Optical Subsystem</b>																																																																
<b>2.05.04.01 Optical Systems Engineering</b>																																																																
XT_2061	R&D - Damage	247	10/04/04	09/27/05	R&D - Damage																																																											
<b>2.05.04.02 Facility Optics</b>																																																																
XT_8002	Commission - Slit/Collimator A	40	02/09/07	04/06/07																																					Commission - Slit/Collimator A																							
XT_5022	Commission - Solid Attenuator	10	07/11/07	07/24/07																																					Commission - Solid Attenuator																							
XT_7824	Commission - Flipper Mirror	80	11/28/07	03/26/08																																					Commission - Flipper Mirror																							
XT_1156	Commission - Fixed Mask 1	20	01/15/08	02/12/08																																					Commission - Fixed Mask 1																							

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>2.05.04.02 Facility Optics</b>																																																																
XT_1157	Commission - Fixed Mask 2	20	01/15/08	02/12/08																																																	Commission - Fixed Mask 2											
XT_1158	Commission - Fixed Mask 3	20	01/15/08	02/12/08																																																	Commission - Fixed Mask 3											
XT_2013	Commission - Gas Attenuator	100	01/15/08	06/05/08																																																	Commission - Gas Attenuator											
XT_7037	Commission - Slit/Collimator B	80	02/04/08	05/27/08																																																	Commission - Slit/Collimator B											
<b>2.05.04.04 Crystals &amp; Gratings</b>																																																																
XT_294	Commission - Pulse System Monochrometer	10	02/20/08	03/04/08																																																	Commission - Pulse System Monochrometer											
<b>2.05.05 Diagnostics Subsystem</b>																																																																
<b>2.05.05.02 Modeling &amp; Simulation</b>																																																																
XT_4456	R&D - Camera Data Analysis	41	10/01/03A	11/25/03A																																																												
XT_4506	R&D - Resource Database	17	11/26/03A	12/19/03A																																																												
XT_4516	R&D - Spontaneous Viewer	39	12/22/03A	02/27/04A																																																												
XT_4466	R&D - Spontaneous Viewer Application	0		02/27/04A																																																												
XT_4476	R&D - Spontaneous Monte Carlo - 1	20	03/01/04A	03/31/04A	R&D - Spontaneous Monte Carlo - 1																																																											
XT_44766	R&D - Spontaneous Monte Carlo - 2	40	04/01/04A	07/08/04	R&D - Spontaneous Monte Carlo - 2																																																											
XT_4486	R&D - FEL Monte Carlo	86*	06/01/04	09/30/04	R&D - FEL Monte Carlo																																																											
XT_4496	R&D - Beam Line Flux Application	0		06/28/04*	R&D - Beam Line Flux Application																																																											
<b>2.05.05.03 Facility Diagnostics</b>																																																																
XT_4436	Procure Spares - Direct Imager	60	10/03/06	12/28/06																																																	Procure Spares - Direct Imager											
XT_746	Commission - Indirect Imager	10	10/16/07	10/29/07																																																	Commission - Indirect Imager											
XT_736	Commission - Direct Imager	10	11/28/07	12/11/07																																																	Commission - Direct Imager											
XT_1007	Commission - FEE Diagnostic Tank	10	01/15/08	01/29/08																																																	Commission - FEE Diagnostic Tank											
XT_1015	Commission - Ion Pumped Tank	10	01/15/08	01/29/08																																																	Commission - Ion Pumped Tank											
<b>2.05.05.04 Commissioning Diagnostics</b>																																																																
XT_3300	R&D - Total Measurement	247	10/04/04	09/27/05	R&D - Total Measurement																																																											
XT_445	R&D - Spectral Measurement	247	10/04/04	09/27/05	R&D - Spectral Measurement																																																											
XT_427	Commission - Comm Diagnostic Tank	20	04/24/07	05/21/07																																																	Commission - Comm Diagnostic Tank											
XT_5016	Commission - Divergence Measurement	10	10/26/07	11/08/07																																																	Commission - Divergence Measurement											

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>2.05.05.04 Commissioning Diagnostics</b>																																																																
XT_5012	Commissioning - Spatial Coherence	10	01/15/08	01/29/08																																					Commissioning - Spatial Coherence																							
XT_574	Commissioning - Spectral Measurement	10	02/12/08	02/26/08																																					Commissioning - Spectral Measurement																							
XT_5009	Commission - Spatial Shape & Centroid	20	03/26/08	04/22/08																																					Commission - Spatial Shape & Centroid																							
XT_433	Commission - Total Energy Measurement	10	04/23/08	05/06/08																																					Commission - Total Energy Measurement																							
XT_307	Commission - Pulse Split & Delay	10	07/18/08	07/31/08																																					Commission - Pulse Split & Delay																							
<b>2.06 X-RAY END STATION SYSTEMS (OPC)</b>																																																																
<b>2.06.02 Controls Subsystem</b>																																																																
<b>2.06.02.01 Cabling</b>																																																																
XE_0451	Commission FEE - Cabling	20	07/11/07	08/07/07																																					Commission FEE - Cabling																							
XE_0461	Commission Near Hall - Cabling	20	07/12/07	08/08/07																																					Commission Near Hall - Cabling																							
XE_0291	Commission Tunnel - Cabling	20	01/14/08	02/11/08																																					Commission Tunnel - Cabling																							
XE_0241	Commission Far Hall - Cabling	20	06/02/08	06/27/08																																					Commission Far Hall - Cabling																							
<b>2.06.02.02 Network</b>																																																																
XE_2234	Commission - Network	20	12/27/07	01/29/08																																					Commission - Network																							
XE_2254	COMP: Commission - Network	0		01/29/08																																					COMP: Commission - Network																							
<b>2.06.02.03 PC Support</b>																																																																
XE_2294	Commission - PC Support	20	11/13/07	12/12/07																																					Commission - PC Support																							
XE_2295	COMP: Commission - PC Support	0		12/12/07																																					COMP: Commission - PC Support																							
<b>2.06.02.04 Beamline Controls</b>																																																																
XE_2635	Commission - Beamline Control	20	01/02/08	01/30/08																																					Commission - Beamline Control																							
XE_2636	COMP: Commission - Beamline Control	0		01/30/08																																					COMP: Commission - Beamline Control																							
<b>2.06.02.05 X-Ray PPS</b>																																																																
XE_3033	Commission Near Hall - X-Ray PPS	20	12/20/06	01/19/07																																					Commission Near Hall - X-Ray PPS																							
XE_108	Commission FEE - X-Ray PPS	20	06/19/07	07/17/07																																					Commission FEE - X-Ray PPS																							
XE_463	Commission Tunnel - X-Ray PPS	20	09/07/07	10/04/07																																					Commission Tunnel - X-Ray PPS																							
XE_458	Commission Far Hall X-Ray PPS	20	09/10/07	10/05/07																																					Commission Far Hall X-Ray PPS																							
<b>2.06.02.06 X-Ray MPS</b>																																																																
XE_5097	Commission Near Hall - X-Ray MPS	20	12/20/06	01/19/07																																					Commission Near Hall - X-Ray MPS																							

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>2.06.02.06 X-Ray MPS</b>																																																																
XE_5132	Commission FEE - X-Ray MPS	20	06/19/07	07/17/07																									Commission FEE - X-Ray MPS																																			
XE_5101	Commission Tunnel - X-Ray MPS	20	08/09/07	09/06/07																									Commission Tunnel - X-Ray MPS																																			
XE_5125	Commission Far Hall - X-Ray MPS	20	09/10/07	10/05/07																									Commission Far Hall - X-Ray MPS																																			
<b>2.06.02.07 Laser PPS</b>																																																																
XE_2734	Commission Near Hall - Laser PPS	20	05/15/07	06/12/07																									Commission Near Hall - Laser PPS																																			
XE_5421	Commission Far Hall - Laser PPS	20	09/10/07	10/05/07																									Commission Far Hall - Laser PPS																																			
<b>2.06.02.08 User Safeguards</b>																																																																
XE_934	Commission Near Hall - User Safeguards	20	05/15/07	06/12/07																									Commission Near Hall - User Safeguard																																			
XE_884	Commission Far Hall - User Safeguards	20	09/10/07	10/05/07																									Commission Far Hall - User Safeguard																																			
<b>2.06.03 Mechanical/Vacuum Subsystem</b>																																																																
<b>2.06.03.02 Vacuum Components - Mech/Vac</b>																																																																
XE_2986	Commission Turbo Pump - Vacuum	20	05/08/07	06/05/07																									Commission Turbo Pump - Vacuum																																			
XE_2818	Commission Valves - Vacuum	20	08/10/07	09/07/07																									Commission Valves - Vacuum																																			
XE_2978	Commission Ion Pump - Vacuum	20	08/17/07	09/14/07																									Commission Ion Pump - Vacuum																																			
XE_828	Commission Gauges - Vacuum	20	01/02/08	01/30/08																									Commission Gauges - Vacuum																																			
<b>2.06.03.03 Experimental Chambers</b>																																																																
XE_5313	Commission Near Hall Experiment Chamber - Vacuum	20	05/01/07	05/29/07																									Commission Near Hall Experiment Chamber - Vacuum																																			
XE_2979	Commission Far Hall Experiment Chamber - Vacuum	20	08/10/07	09/07/07																									Commission Far Hall Experiment Chamber - Vacuum																																			
<b>2.06.04 Laser Subsystem</b>																																																																
<b>2.06.04.01 Oscillator Laser &amp; Pump</b>																																																																
XE_55	Commission Far Hall - Oscillator Laser/Pump	120	10/08/07	04/02/08																									Commission Far Hall - Oscillator Laser/Pump																																			
XE_7144	Commission Near Hall - Oscillator Laser/Pump	20	06/30/08	07/28/08																									Commission Near Hall - Oscillator Laser/Pump																																			
<b>2.06.04.02 Laser Diagnostics</b>																																																																
XE_56	Commission - Laser Diagnostics	60	03/06/07	05/29/07																									Commission - Laser Diagnostic																																			
<b>2.06.04.03 Laser Supplies &amp; Optical Transport</b>																																																																
XE_57	Commission - Optic Transport	20	10/01/07	10/26/07																									Commission - Optic Transport																																			
<b>2.06.04.04 Laser Timing</b>																																																																
XE_58	Commission Far Hall - Laser Timing	120	10/01/07	03/26/08																									Commission Far Hall - Laser Timing																																			

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>2.06.04.05 Laser Amplifiers</b>																																																																
XE_59	Commission Near Hall - Laser Amplifiers	120	05/30/07	11/15/07																																																												
XE_60	Commission Far Hall - Laser Amplifiers	120	12/03/07	05/27/08																																																												
<b>2.06.05 X-Ray Detectors</b>																																																																
<b>2.06.05.01 Beam Imaging</b>																																																																
XE_61	Commission - Beam Imaging	120	11/30/06	05/22/07																																																												
<b>2.06.05.02 2-D X-Ray Detector</b>																																																																
XE_62	Commission - 2-D X-Ray Detector	20	07/07/08	08/01/08																																																												
<b>2.06.05.03 Beam Intensity</b>																																																																
XE_63	Commission - Beam Intensity	120	10/30/07	04/24/08																																																												
<b>2.06.05.04 Streak Camera</b>																																																																
XE_64	Commission - Streak Camera	120	01/22/08	07/10/08																																																												
<b>2.06.07 Atomic Physics</b>																																																																
<b>2.06.07.01 Atomic Physics Samples</b>																																																																
XE_7350	Define AP Samples	250	02/01/05	01/27/06																																																												
XE_73511	Design AP preparation and handling - Samples	120	01/30/06	07/19/06																																																												
XE_M20	Atomic Physics Final Design Review	0		07/19/06																																																												
XE_7200	Prep Bid Pkg - AP Samples	5	07/20/06	07/26/06																																																												
XE_73512	Procurements - AP Samples	120	07/20/06	01/10/07																																																												
XE_7300	Bid Process - AP Samples	20	07/27/06	08/23/06																																																												
XE_7400	AWARD: Contract - AP Samples	1	08/24/06	08/24/06																																																												
XE_7108	Vendor Fab/Ship - AP Samples	40	08/25/06	10/20/06																																																												
XE_7500	RECV: AP Samples	0		10/20/06																																																												
XE_73513	Assembly - AP Samples	20	10/23/06	11/17/06																																																												
XE_M41	First Atomic Physics Experiment	0		05/21/07																																																												
XE_73514	Test AP Sample	20	07/17/07	08/13/07																																																												
<b>2.06.07.02 Atomic Physics Diagnostics</b>																																																																
XE_74100	Define AP Diagnostics	250	02/01/05	01/27/06																																																												
XE_74101	Design AP Diagnostics	120	01/30/06	07/19/06																																																												



Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY04												FY05												FY06												FY07												FY08											
<b>2.06.07.02 Atomic Physics Diagnostics</b>																																																																
XE_7302	Prep Bid Pkg - AP Diagnostics	5	07/20/06	07/26/06																																					Prep Bid Pkg - AP Diagnostics																							
XE_74102	Procurements - AP Diagnostics	120	07/20/06	01/10/07																																					█ Procurements - AP Diagnostics																							
XE_7303	Bid Process - AP Diagnostics	20	07/27/06	08/23/06																																					█ Bid Process - AP Diagnostics																							
XE_7304	AWARD: Contract - AP Diagnostics	1	08/24/06	08/24/06																																					AWARD: Contract - AP Diagnostics																							
XE_7305	Vendor Fab/Ship - AP Diagnostics	40	08/25/06	10/20/06																																					█ Vendor Fab/Ship - AP Diagnostics																							
XE_7306	RECV: AP Diagnostics	0		10/20/06																																					◆ RECV: AP Diagnostics																							
XE_74103	Assembly - AP Diagnostics	20	10/23/06	11/17/06																																					█ Assembly - AP Diagnostics																							
XE_74104	Test AP Diagnostics	20	05/22/07	06/19/07																																					█ Test AP Diagnostics																							
<b>2.06.07.03 Atomic Physics Data Analysis</b>																																																																
XE_73515	Define AP Data Handling	250	02/01/05	01/27/06													█ Define AP Data Handling																																															
XE_73516	Design AP Data Handling	120	01/30/06	07/19/06													█ Design AP Data Handling																																															
XE_44556	Prep Bid Pkg - AP Data Handling	5	07/20/06	07/26/06																																					Prep Bid Pkg - AP Data Handling																							
XE_73517	Procurements - AP Data Handling	120	07/20/06	01/10/07													█ Procurements - AP Data Handling																																															
XE_44557	Bid Process - AP Data Handling	20	07/27/06	08/23/06																																					█ Bid Process - AP Data Handling																							
XE_44558	AWARD: Contract - AP Data Handling	1	08/24/06	08/24/06																																					AWARD: Contract - AP Data Handling																							
XE_44559	Vendor Fab/Ship - AP Data Handling	40	08/25/06	10/20/06																																					█ Vendor Fab/Ship - AP Data Handling																							
XE_44560	RECV: AP Data Handling	0		10/20/06																																					◆ RECV: AP Data Handling																							
XE_73518	Assembly - AP Data Handling	20	10/23/06	11/17/06																																					█ Assembly - AP Data Handling																							
XE_73519	Test - AP Data Handling	20	05/22/07	06/19/07																																					█ Test - AP Data Handling																							
<b>2.06.07.04 Atomic Physics Detectors</b>																																																																
XE_73520	Define AP Detectors	250	02/01/05	01/27/06													█ Define AP Detectors																																															
XE_73521	Design AP Detectors	120	01/30/06	07/19/06													█ Design AP Detectors																																															
XE_44561	Prep Bid Pkg - AP Data Handling	5	07/20/06	07/26/06																																					Prep Bid Pkg - AP Data Handling																							
XE_73522	Procurements - AP Detectors	120	07/20/06	01/10/07																																					█ Procurements - AP Detectors																							
XE_44562	Bid Process - AP Data Handling	20	07/27/06	08/23/06																																					█ Bid Process - AP Data Handling																							
XE_44563	AWARD: Contract - AP Data Handling	1	08/24/06	08/24/06																																					AWARD: Contract - AP Data Handling																							

