

Activity ID	Activity Description	Orig Dur	Total Float	Early Start	Early Finish	Late Start	Late Finish	Resource ID	Budgeted Quantity	FY08												FY09												FY10												FY11												FY12												
1.5.01 Diagnostics & Common Optics System Integration &																																																																						
9100431 Physics Support & Engr FY07&FY08-Q1&Q2																																																																						
DI 01040	START: Diagnostics	0		09/04/07A		09/04/07A			0.00	START: Diagnostics																																																												
DI 01060	Diagnostic Physics Support FY07	19		09/04/07A	09/28/07A	09/04/07A	09/28/07A		0.00	Diagnostic Physics Support FY07																																																												
DI 01080	Diagnostic Physics Support FY08-Q1 & Q2	121		10/01/07A	03/31/08A	10/01/07A	03/31/08A	HIST_LBR, HIST_M&S	100,832.75	Diagnostic Physics Support FY08-Q1 & Q2																																																												
9100481 Specs, Design & Engr																																																																						
DI 01170	Engineering Integration & Support FY07	19		09/04/07A	09/28/07A	09/04/07A	09/28/07A		0.00	Engineering Integration & Support FY07																																																												
DI 01180	Engineering Integration & Support FY08-Q1 & Q2	121		10/01/07A	03/31/08A	10/01/07A	03/31/08A	HIST_LBR, HIST_M&S	32,700.00	Engineering Integration & Support FY08-Q1 & Q2																																																												
9100664 Specs, Design & Engr																																																																						
DI 01280	DIA & Optics Sys Integ & Design FY08-Q1 & Q2	121		10/01/07A	03/31/08A	10/01/07A	03/31/08A	HIST_LBR	352.00	DIA & Optics Sys Integ & Design FY08-Q1 & Q2																																																												
DI 01330	DIA & Optics Project Related Travel FY08-Q1 & Q2	121		10/01/07A	03/31/08A	10/01/07A	03/31/08A		0.00	DIA & Optics Project Related Travel FY08-Q1 & Q2																																																												
DI 01380	DIA & Optics Lab Supplies FY08-Q1 & Q2	121		10/01/07A	03/31/08A	10/01/07A	03/31/08A		0.00	DIA & Optics Lab Supplies FY08-Q1 & Q2																																																												
9110511 Design & Engr - Diag & Common Optics																																																																						
DI 01084	Apr08 through Sep08 Plan Adjustment	21		09/01/08A	09/30/08A	09/01/08A	09/30/08A	HIST_LBR	230,732.02	Apr08 through Sep08 Plan Adjustment																																																												
DI 01085	Diagnostic Physics Support FY08-Q3 & Q4	131		04/01/08A	09/30/08A	04/01/08A	09/30/08A	SL_PHSS	0.00	Diagnostic Physics Support FY08-Q3 & Q4																																																												
DI 01100	Diagnostic Physics Support Oct09	21		10/01/08A	10/31/08A	10/01/08A	10/31/08A		0.00	Diagnostic Physics Support Oct09																																																												
DI 01101	Diagnostic Physics Support FY09	249*	65	10/01/08A	09/30/09	10/01/08A	01/15/10	SL_PHSS	978.58	Diagnostic Physics Support FY09																																																												
DI 01120	Diagnostic Physics Support FY10	249	65	10/01/09	09/30/10	01/18/10	01/17/11	SL_PHSS	996.00	Diagnostic Physics Support FY10																																																												
DI 01140	Diagnostic Physics Support FY11	249	65	10/01/10	09/30/11	01/18/11	01/16/12	SL_PHSS	498.00	Diagnostic Physics Support FY11																																																												
DI 01160	Diagnostic Physics Support FY12	116	65	10/03/11	03/30/12	01/17/12	06/29/12	SL_PHSS	232.00	Diagnostic Physics Support FY12																																																												
DI 01185	Engineering Integration & Support FY08-Q3 & Q4	131		04/01/08A	09/30/08A	04/01/08A	09/30/08A	SL_MEE	0.00	Engineering Integration & Support FY08-Q3 & Q4																																																												
DI 01190	Engineering Integration & Support Oct09	21		10/01/08A	10/31/08A	10/01/08A	10/31/08A	SL_MEE	0.00	Engineering Integration & Support Oct09																																																												
DI 01191	Engineering Integration & Support FY09	249*	65	10/01/08A	09/30/09	10/01/08A	01/15/10	SL_MEE	978.00	Engineering Integration & Support FY09																																																												
DI 01200	Engineering Integration & Support FY10	249	65	10/01/09	09/30/10	01/18/10	01/17/11	SL_MEE	747.00	Engineering Integration & Support FY10																																																												
DI 01210	Engineering Integration & Support FY11	249	65	10/01/10	09/30/11	01/18/11	01/16/12	SL_MEE	747.00	Engineering Integration & Support FY11																																																												
DI 01220	Engineering Integration & Support FY12	116	65	10/03/11	03/30/12	01/17/12	06/29/12	SL_MEE	232.00	Engineering Integration & Support FY12																																																												
DI 01285	DIA & Optics Sys Integ & Design FY08-Q3 & Q4	131		04/01/08A	09/30/08A	04/01/08A	09/30/08A	SL_ME	0.00	DIA & Optics Sys Integ & Design FY08-Q3 & Q4																																																												
DI 01290	DIA & Optics System Integration & Design Oct09	21		10/01/08A	10/31/08A	10/01/08A	10/31/08A	SL_ME	0.00	DIA & Optics System Integration & Design Oct09																																																												
DI 01291	DIA & Optics System Integration & Design FY09	249*	65	10/01/08A	09/30/09	10/01/08A	01/15/10	SL_ME	452.00	DIA & Optics System Integration & Design FY09																																																												
DI 01300	DIA & Optics System Integration & Design FY10	249	65	10/01/09	09/30/10	01/18/10	01/17/11	SL_ME	498.00	DIA & Optics System Integration & Design FY10																																																												
DI 01310	DIA & Optics System Integration & Design FY11	249	65	10/01/10	09/30/11	01/18/11	01/16/12	SL_ME	249.00	DIA & Optics System Integration & Design FY11																																																												
DI 01320	DIA & Optics System Integration & Design FY12	116	65	10/03/11	03/30/12	01/17/12	06/29/12	SL_ME	0.00	DIA & Optics System Integration & Design FY12																																																												
DI 01335	DIA & Optic Project Related Travel FY08-Q3 & Q4	131		04/01/08A	09/30/08A	04/01/08A	09/30/08A	SL_TRVL	0.00	DIA & Optic Project Related Travel FY08-Q3 & Q4																																																												

Activity ID	Activity Description	Orig Dur	Total Float	Early Start	Early Finish	Late Start	Late Finish	Resource ID	Budgeted Quantity	FY08												FY09												FY10												FY11												FY12																							
DI 01340	DIA & Optics Project Related Travel FY09	249*	65	10/01/08A	09/30/09	10/01/08A	01/15/10	SL_TRVL	10,000.00													DIA & Optics Project Related Travel FY09																																																											
DI 01350	DIA & Optics Project Related Travel FY10	249	65	10/01/09	09/30/10	01/18/10	01/17/11	SL_TRVL	13,000.00																									DIA & Optics Project Related Travel FY10																																															
DI 01360	DIA & Optics Project Related Travel FY11	249	65	10/01/10	09/30/11	01/18/11	01/16/12	SL_TRVL	10,000.00																																					DIA & Optics Project Related Travel FY11																																			
DI 01370	DIA & Optics Project Related Travel FY12	116	65	10/03/11	03/30/12	01/17/12	06/29/12	SL_TRVL	0.00																																																	DIA & Optics Project Related Travel FY12																							
DI 01385	DIA & Optics Lab Supplies FY08 Q3 &Q4	131		04/01/08A	09/30/08A	04/01/08A	09/30/08A	SL_MSCS	0.00	DIA & Optics Lab Supplies FY08 Q3 &Q4																																																																							
DI 01390	DIA & Optics Lab Supplies FY09	249*	65	10/01/08A	09/30/09	10/01/08A	01/15/10	SL_MSCS	9,960.00													DIA & Optics Lab Supplies FY09																																																											
DI 01400	DIA & Optics Lab Supplies FY10	249	65	10/01/09	09/30/10	01/18/10	01/17/11	SL_MSCS	9,960.00																									DIA & Optics Lab Supplies FY10																																															
DI 01410	DIA & Optics Lab Supplies FY11	249	65	10/01/10	09/30/11	01/18/11	01/16/12	SL_MSCS	4,980.00																																					DIA & Optics Lab Supplies FY11																																			
DI 01420	DIA & Optics Lab Supplies FY12	116	65	10/03/11	03/30/12	01/17/12	06/29/12	SL_MSCS	2,320.00																																																	DIA & Optics Lab Supplies FY12																							
1.5.02.01 Pop-in Profile/Wavefront Monitor																																																																																	
9110521 Design & Engr - Pop-in Profile Monitor																																																																																	
DI 01440	START: Pop-In Profile Monitor (PM)	0		10/01/07A		10/01/07A			0.00	START: Pop-In Profile Monitor (PM)																																																																							
DI 01460	Generate PRD - Pop-In Profile Monitor	70		10/01/07A	12/12/07A	10/01/07A	12/12/07A		0.00	Generate PRD - Pop-In Profile Monitor																																																																							
DI 01500	Generate ESD - Pop-In PM	30		12/13/07A	02/15/08A	12/13/07A	02/15/08A		0.00	Generate ESD - Pop-In PM																																																																							
DI 01505	Update PRD - Pop-in Profile Monitor	10		04/01/08A	07/08/08A	04/01/08A	07/08/08A		0.00	Update PRD - Pop-in Profile Monitor																																																																							
DI 01507	COMP: PRD Released - Pop-In Profile Monitor	0			09/30/08A		09/30/08A		0.00	COMP: PRD Released - Pop-In Profile Monitor																																																																							
DI 01508	Apr08 through Sep08 Plan adjustment	21		09/01/08A	09/30/08A	09/01/08A	09/30/08A	HIST_LBR	39,231.38	Apr08 through Sep08 Plan adjustment																																																																							
DI 01510	Update Engr Spec Doc - Pop-In PM	20	827	04/15/08A	03/06/09	04/15/08A	06/29/12	SL_MEE	0.00	Update Engr Spec Doc - Pop-In PM																																																																							
DI 01520	COMP: ESD Released - Pop-In Profile Monitor	0	827		03/06/09		06/29/12		0.00	COMP: ESD Released - Pop-In Profile Monitor																																																																							
DI 01540	Prelim Design & Analysis - Pop-In PM	60		12/13/07A	03/17/08A	12/13/07A	03/17/08A		0.00	Prelim Design & Analysis - Pop-In PM																																																																							
DI 01550	Update Preliminary Design & Analysis - Pop-In PM	40		04/29/08A	01/12/09A	04/29/08A	01/12/09A	SL_MDD, SL_MEE	0.00	Update Preliminary Design & Analysis - Pop-In PM																																																																							
DI 01555	Prep for PDR - Pop-in PM & Support	10		07/23/08A	01/12/09A	07/23/08A	01/12/09A	SL_MDD, SL_MEE	0.00	Prep for PDR - Pop-in PM & Support																																																																							
DI 01560	PDR - Prelim Design Rev - Pop-In PM & Support	1		01/13/09A	01/13/09A	01/13/09A	01/13/09A	SL_MDD, SL_MEE	8.00	PDR - Prelim Design Rev - Pop-In PM & Support																																																																							
DI 01580	Finalize Design - Pop-In PM	40	65	01/14/09A	03/27/09	01/14/09A	06/26/09	SL_MEE, SL_MDD	160.00	Finalize Design - Pop-In PM																																																																							
DI 01600	Generate Detail Piece Part Drawings - Pop-In PM	47	58	03/02/09	05/05/09	05/21/09	07/24/09	SL_MEE, SL_MDD	120.00	Generate Detail Piece Part Drawings - Pop-In PM																																																																							
DI 01602	Check & Release Dwgs - Pop-In PM	30	58	05/06/09	06/16/09	07/27/09	09/04/09	SL_MDD	60.00	Check & Release Dwgs - Pop-In PM																																																																							
DI 01603	COMP: Piece Part Drawngs - Pop-In PM	0	58		06/16/09		09/04/09		0.00	COMP: Piece Part Drawngs - Pop-In PM																																																																							
DI 01605	Prep for FDR - Pop-In PM & Support	15	69	02/27/09A	03/20/09	02/27/09A	06/25/09	SL_MEE, SL_MDD	50.00	Prep for FDR - Pop-In PM & Support																																																																							
DI 01620	FDR - Final Design Rev - Pop-In PM & Support	1	69	03/23/09	03/23/09	06/26/09	06/26/09	SL_MEE, SL_MDD	8.00	FDR - Final Design Rev - Pop-In PM & Support																																																																							
DI 01630	Incorp FDR Changes - PM	20	69	03/24/09	04/20/09	06/29/09	07/24/09	SL_MDD	80.00	Incorp FDR Changes - PM																																																																							
DI 01640	Detail, Check, Release Assy Drawings - Pop-In PM	20	113	05/06/09	06/02/09	10/12/09	11/06/09	SL_MDD	40.00	Detail, Check, Release Assy Drawings - Pop-In PM																																																																							
DI 01650	Generate Mfg Docs - Pop-In PM	20	113	06/03/09	06/30/09	11/09/09	12/08/09	SL_MEE	80.00	Generate Mfg Docs - Pop-In PM																																																																							

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DI 14040	Inspect Procured Parts - XCS IPM Parts	10	118	01/13/11	01/26/11	06/28/11	07/11/11	SL_AT	61.30													Inspect Procured Parts - XCS IPM Parts								
DI 14060	Clean - all XCS IPM Parts	10	118	01/27/11	02/09/11	07/12/11	07/25/11	SL_MFPC	36.00													Clean - all XCS IPM Parts								
DI 14080	In-House Assembly - XCS IPM Parts	30	118	02/10/11	03/23/11	07/26/11	09/05/11	SL_MF, SL_AT	215.00													In-House Assembly - XCS IPM Parts								
DI 14090	Inspect & Fiducialize - XCS IPM Parts	10	118	03/24/11	04/06/11	09/06/11	09/19/11	SL_MES	30.00													Inspect & Fiducialize - XCS IPM Parts								
DI 14120	Vacuum Process - XCS IPM Parts	5	118	04/07/11	04/13/11	09/20/11	09/26/11	SL_AT	40.00													Vacuum Process - XCS IPM Parts								
9110532 Testing - Intensity-Position Monitor																														
DI 03570	Electronic Testing - XPP IPM 1st Article	40	75	11/17/09	01/27/10	03/18/10	05/12/10	SL_EE	160.00													Electronic Testing - XPP IPM 1st Article								
DI 03575	REQD: XPP IPM Controls HW/SW	0	49		03/04/10		05/12/10		0.00													REQD: XPP IPM Controls HW/SW								
DI 03580	Testing - XPP IPM 1st Article	10	49	03/05/10	03/18/10	05/13/10	05/26/10	SL_CT, SL_AT	24.00													Testing - XPP IPM 1st Article								
DI 03600	AVAIL: XPP IPM 1st Article Ready for Install	0	49		03/18/10		05/26/10		0.00													AVAIL: XPP IPM 1st Article Ready for Install								
DI 11445	REQD: CXI IPM Controls HW/SW	0	114		04/26/10		10/01/10		0.00													REQD: CXI IPM Controls HW/SW								
DI 11460	Testing - CXI IPM	10	59	07/13/10	07/26/10	10/04/10	10/15/10	SL_CT, SL_AT	24.00													Testing - CXI IPM								
DI 11480	AVAIL: CXI IPM Ready for Installation	0	59		07/26/10		10/15/10		0.00													AVAIL: CXI IPM Ready for Installation								
DI 14125	REQD: XCS IPM Controls HW/SW	0	32		08/11/11		09/26/11		0.00													REQD: XCS IPM Controls HW/SW								
DI 14140	Testing - XCS IPM	10	32	08/12/11	08/25/11	09/27/11	10/10/11	SL_CT, SL_AT	24.00													Testing - XCS IPM								
DI 14160	AVAIL: XCS IPM Ready for Installation	0	32		08/25/11		10/10/11		0.00													AVAIL: XCS IPM Ready for Installation								
1.5.03.01 Monochromator																														
9110569 Design & Engr - Monochromator																														
DI 60690	Generate PRD - XCS Large Offset Monochromator	20	318	03/02/09	03/27/09	06/07/10	07/02/10	SL_PHSS	40.00													Generate PRD - XCS Large Offset Monochromator								
DI 60700	Generate ESD - XCS Large Offset Monochromator	20	318	03/30/09	04/24/09	07/05/10	07/30/10	SL_MEE	40.00													Generate ESD - XCS Large Offset Monochromator								
DI 60710	Develop Vendor SOW - XCS Large Off Monochromator	30	318	04/27/09	06/05/09	08/02/10	09/10/10	SL_MEE	40.00													Develop Vendor SOW - XCS Large Off Monochromator								
DI 60720	Qualification of Vendor - XCS LO Monochromator	2	318	06/08/09	06/09/09	09/13/10	09/14/10	SL_PHSS, SL_MEE, SL_TRVL	10,040.00													Qualification of Vendor - XCS LO Monochromator								
DI 60780	Oversight & Integration - XCS LO Monochromator	302	318	08/05/09	10/18/10	11/10/10	02/10/12	SL_PHSS, SL_MEE	320.00													Oversight & Integration - XCS LO Monochromator								
9110570 Subcontract - Monochromator																														
DI 60740	Bid Package - XCS Large Offset Monochromator	20	330	03/02/09	03/27/09	06/23/10	07/20/10	SL_MEE	16.00													Bid Package - XCS Large Offset Monochromator								
DI 60750	Vendor Proposal Effort, Questions - XCS LO Mono	40	330	03/30/09	05/22/09	07/21/10	09/14/10	SL_MEE	24.00													Vendor Proposal Effort, Questions - XCS LO Mono								
DI 60760	Vendor Selection -XCS Large Offset Monochromator	5	318	06/10/09	06/16/09	09/15/10	09/21/10	SL_MEE, SL_PHSS	16.00													Vendor Selection -XCS Large Offset Monochromator								
DI 60770	Vendor Kick-off - XCS Large Offset Monochromator	32	318	06/22/09	08/04/09	09/27/10	11/09/10	SL_MEE	16.00													Vendor Kick-off - XCS Large Offset Monochromator								
DI 60790	Preliminary Design Guidance-XCS LO Monochromator	5	318	08/05/09	08/11/09	11/10/10	11/16/10	SL_MEE	40.00													Preliminary Design Guidance-XCS LO Monochromator								
DI 60800	Vendor Startup Design - XCS Large Offset Mono	1	318	08/12/09	08/12/09	11/17/10	11/17/10	SL_MSSY	53,040.00													Vendor Startup Design - XCS Large Offset Mono								
DI 60810	Vendor Preliminary Design Complete - XCS LO Mono	1	318	10/12/09	10/12/09	02/02/11	02/02/11	SL_MSSY	90,000.00													Vendor Preliminary Design Complete - XCS LO Mono								
DI 60820	Preliminary Design Review - XCS LO Monochromator	2	318	10/08/09	10/09/09	01/31/11	02/01/11	SL_MEE, SL_TRVL, SL_PHSS	5,024.00													Preliminary Design Review - XCS LO Monochromator								
DI 60830	AWARD: Vendor Contract/Start Design -XCS LO Mono	1	318	06/19/09	06/19/09	09/24/10	09/24/10	AWARD	1,083,040.00													AWARD: Vendor Contract/Start Design -XCS LO Mono								

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DI 41150	In-House Assembly - XPP Slit Parts	20	29	02/04/10	03/03/10	03/17/10	04/13/10	SL_AT, SL_MF	183.00					↓	↓	↓				
DI 41160	Inspect & Fiducialize - XPP Slit Parts	8	29	03/04/10	03/15/10	04/14/10	04/23/10	SL_MES	16.00					↓	↓	↓				
DI 41170	Vacuum Process - XPP Slit Parts	8	29	03/16/10	03/25/10	04/26/10	05/05/10	SL_AT	40.00					↓	↓	↓				
DI 41350	Inspect Procured Parts - CXI Slit Long Lead	10	48	05/11/10	05/24/10	07/16/10	07/29/10	SL_MES	40.00					↓	↓	↓				
DI 41370	Clean - all CXI Slit Parts	10	48	05/25/10	06/07/10	07/30/10	08/12/10	SL_MFPC	40.00					↓	↓	↓				
DI 41390	In-House Assembly - CXI Slit Parts	20	48	06/08/10	07/05/10	08/13/10	09/09/10	SL_AT, SL_MF	48.00					↓	↓	↓				
DI 41410	Inspect & Fiducialize - CXI Slit Parts	8	48	07/06/10	07/15/10	09/10/10	09/21/10	SL_MES	16.00					↓	↓	↓				
DI 41430	Vacuum Process - CXI Slit Parts	8	48	07/16/10	07/27/10	09/22/10	10/01/10	SL_AT	40.00					↓	↓	↓				
DI 42180	Inspect Procured Parts - XCS Slit Long Lead	10	73	04/28/11	05/11/11	08/09/11	08/22/11	SL_MES	80.00					↓	↓	↓				
DI 42190	Clean - all XCS Slit Parts	10	73	05/12/11	05/25/11	08/23/11	09/05/11	SL_MFPC	76.00					↓	↓	↓				
DI 42200	In-House Assembly - XCS Slit Parts	20	73	05/26/11	06/22/11	09/06/11	10/03/11	SL_MF, SL_AT	231.00					↓	↓	↓				
DI 42210	Inspect & Fiducialize - XCS Slit Parts	8	73	06/23/11	07/04/11	10/04/11	10/13/11	SL_MES	32.00					↓	↓	↓				
DI 42220	Vacuum Process - XCS Slit Parts	8	73	07/05/11	07/14/11	10/14/11	10/25/11	SL_AT	40.00					↓	↓	↓				
9110540 Testing - Primary Slits																				
DI 12430	REQD: XPP Slit Controls HW/SW	0	51		02/23/10		05/05/10		0.00					↓	↓	↓				
DI 12435	Testing - XPP Slit	15	29	03/26/10	04/15/10	05/06/10	05/26/10	SL_CT, SL_AT	24.00					↓	↓	↓				
DI 12445	AVAIL: XPP Slit Ready For Installation	0	29		04/15/10		05/26/10		0.00					↓	↓	↓				
DI 12450	REQD: XCS Slit Controls HW/SW	0	133		04/21/11		10/25/11		0.00					↓	↓	↓				
DI 12455	Testing - XCS Slit	10	73	07/15/11	07/28/11	10/26/11	11/08/11	SL_CT, SL_AT	24.00					↓	↓	↓				
DI 12460	AVAIL: XCS Slit Ready For Installation	0	73		07/28/11		11/08/11		0.00					↓	↓	↓				
DI 12465	REQD: CXI Slit Controls HW/SW	0	57		07/14/10		10/01/10		0.00					↓	↓	↓				
DI 12485	Testing - CXI Slit	10	48	07/28/10	08/10/10	10/04/10	10/15/10	SL_CT, SL_AT	24.00					↓	↓	↓				
DI 12505	AVAIL: CXI Slit Ready for Installation	0	48		08/10/10		10/15/10		0.00					↓	↓	↓				
1.5.03.04 Attenuators / Filters																				
9110545 Design & Engr - Attenuators / Filters																				
DI 06860	START: Attenuators/Filters (ATT)	0		10/01/07A		10/01/07A			0.00	↓	↓	↓	↓	↓	↓	↓				
DI 06880	Generate PRD - ATT	70		10/01/07A	01/18/08A	10/01/07A	01/18/08A		0.00	↓	↓	↓	↓	↓	↓	↓				
DI 06900	COMP: PRD Released - ATT	0			01/18/08A		01/18/08A		0.00	↓	↓	↓	↓	↓	↓	↓				
DI 06910	Generate ESD - Attenuators	20		04/01/08A	09/15/08A	04/01/08A	09/15/08A	SL_MEE	0.00	↓	↓	↓	↓	↓	↓	↓				
DI 06940	COMP: ESD Released - ATT	0			09/15/08A		09/15/08A		0.00	↓	↓	↓	↓	↓	↓	↓				
DI 06941	Apr08 through Sep08 Plan Adjustment	21		09/01/08A	09/30/08A	09/01/08A	09/30/08A	HIST_LBR	24,794.46	↓	↓	↓	↓	↓	↓	↓				
DI 06950	Conceptual Design - ATT	20		10/15/08A	11/26/08A	10/15/08A	11/26/08A	SL_MEE	80.00	↓	↓	↓	↓	↓	↓	↓				

Activity ID	Activity Description	Orig Dur	Total Float	Early Start	Early Finish	Late Start	Late Finish	Resource ID	Budgeted Quantity	FY08		FY09		FY10		FY11		FY12		
9110547 Fab & Assembly - Attenuators / Filters																				
DI 10045	Inspect Procured Parts - XPP ATT Parts	10	216	01/13/11	01/26/11	11/11/11	12/01/11	SL_AT	21.90											
DI 10050	Clean - all XPP ATT Parts	10	216	01/27/11	02/09/11	12/02/11	12/15/11	SL_MFPC	20.00											
DI 10155	In-House Assembly - XPP ATT Parts	30	216	02/10/11	03/23/11	12/16/11	02/08/12	SL_MF, SL_AT	94.00											
DI 10160	Inspect & Fiducialize - XPP ATT	10	216	03/24/11	04/06/11	02/09/12	02/22/12	SL_MES	10.00											
DI 10165	Vacuum Process - XPP ATT Parts	10	216	04/07/11	04/20/11	02/23/12	03/07/12	SL_AT	40.00											
DI 12660	Inspect Procured Parts - CXI ATT Parts	10	49	04/13/10	04/26/10	06/21/10	07/02/10	SL_AT	21.90											
DI 12680	Clean - all CXI ATT Parts	10	49	04/27/10	05/10/10	07/05/10	07/16/10	SL_MFPC	20.00											
DI 12700	In-House Assembly - CXI ATT Parts	30	49	05/11/10	06/21/10	07/19/10	08/27/10	SL_MF, SL_AT	94.00											
DI 12720	Inspect & Fiducialize - CXI ATT	10	49	06/22/10	07/05/10	08/30/10	09/10/10	SL_MES	10.00											
DI 12740	Vacuum Process - CXI ATT Parts	10	49	07/06/10	07/19/10	09/13/10	09/24/10	SL_AT	40.00											
DI 14680	Inspect Procured Parts - XCS ATT Parts	10	99	02/24/11	03/09/11	07/13/11	07/26/11	SL_AT	21.90											
DI 14700	Clean - all XCS ATT Parts	10	99	03/10/11	03/23/11	07/27/11	08/09/11	SL_MFPC	20.00											
DI 14720	In-House Assembly - XCS ATT Parts	30	99	03/24/11	05/04/11	08/10/11	09/20/11	SL_AT, SL_MF	94.00											
DI 14740	Inspect & Fiducialize - XCS ATT	10	99	05/05/11	05/18/11	09/21/11	10/04/11	SL_MES	10.00											
DI 14760	Vacuum Process - XCS ATT Parts	10	99	05/19/11	06/01/11	10/05/11	10/18/11	SL_AT	40.00											
9110548 Testing - Attenuators / Filters																				
DI 10170	REQD: XPP ATT Controls HW/SW	0	256		02/23/11		03/07/12		0.00											
DI 10175	Testing - XPP ATT	15	216	04/21/11	05/11/11	03/08/12	03/28/12	SL_AT, SL_CT	24.00											
DI 10180	AVAIL: XPP ATT Ready for Installation	0	216		05/11/11		03/28/12		0.00											
DI 12745	REQD: CXI ATT Controls HW/SW	0	109		04/26/10		09/24/10		0.00											
DI 12760	Testing - CXI ATT	15	49	07/20/10	08/09/10	09/27/10	10/15/10	SL_AT, SL_CT	24.00											
DI 12780	AVAIL: CXI ATT Ready for Installation	0	49		08/09/10		10/15/10		0.00											
DI 14765	REQD: XCS ATT Controls HW/SW	0	69		07/13/11		10/18/11		0.00											
DI 14780	Testing - XCS ATT	15	69	07/14/11	08/03/11	10/19/11	11/08/11	SL_AT, SL_CT	24.00											
DI 14800	AVAIL: XCS ATT Ready for Installation	0	69		08/03/11		11/08/11		0.00											
1.5.03.05 Pulse Picker																				
9110551 Design & Engr - Pulse Picker																				
DI 07380	START: Pulse Picker	0		10/01/07A		10/01/07A			0.00											
DI 07400	Generate PRD - Pulse Picker	100		10/01/07A	01/18/08A	10/01/07A	01/18/08A		0.00											
DI 07420	COMP: PRD Released - Pulse Picker	0			01/18/08A		01/18/08A		0.00											
DI 07440	Generate ESD - Pulse Picker	25		09/01/08A	11/03/08A	09/01/08A	11/03/08A	SL_MEE, SL_ME	0.00											
DI 07460	COMP: ESD Released - Pulse Picker	0			01/05/09A		01/05/09A		0.00											

Activity ID	Activity Description	Orig Dur	Total Float	Early Start	Early Finish	Late Start	Late Finish	Resource ID	Budgeted Quantity	FY08			FY09			FY10			FY11			FY12		
DI 14115	RCV: CXI Pulse Picker Long Lead Parts	0	41		04/05/10		06/01/10		0.00															
DI 16000	Procurement Preps - XCS Pulse Picker Long Lead	45	24	10/26/09	01/12/10	12/01/09	02/15/10		0.00															
DI 16005	AWARD: PO - XCS Pulse Picker - Long Lead Parts	1	215	10/04/10	10/04/10	08/17/11	08/17/11	AWARD	14,000.00															
DI 16010	Vendor Fab - XCS Pulse Picker Long Lead Parts	55	215	10/05/10	01/05/11	08/18/11	11/02/11	SL_MSEG	14,000.00															
DI 16015	RCV: XCS Pulse Picker Long Lead Parts	0	215		01/05/11		11/02/11		0.00															
DI 16020	Procurement Preps - CXI Pulse Picker - Other Pts	20	24	01/13/10	02/09/10	02/16/10	03/15/10		0.00															
DI 16025	AWARD: PO - CXI Pulse Picker - All Other Part	1	24	02/10/10	02/10/10	03/16/10	03/16/10	AWARD	48,852.00															
DI 16030	Vendor Fab - CXI Pulse Picker All Others Parts	40	24	02/11/10	04/07/10	03/17/10	05/11/10	SL_MSEG	48,852.00															
DI 16035	RCV: CXI Pulse Picker All Other Parts	0	24		04/07/10		05/11/10		0.00															
DI 16040	Procurement Preps - XCS Pulse Picker - Other Pts	20	39	02/10/10	03/09/10	04/06/10	05/03/10		0.00															
DI 16045	AWARD: PO - XCS Pulse Picker - All Other Part	1	215	10/04/10	10/04/10	08/17/11	08/17/11	AWARD	48,852.00															
DI 16050	Vendor Fab - XCS Pulse Picker All Others Parts	40	215	10/05/10	12/01/10	08/18/11	10/12/11	SL_MSEG	48,852.00															
DI 16055	RCV: XCS Pulse Picker All Other Parts	0	215		12/01/10		10/12/11		0.00															
DI 16060	Procurement Preps - CXI Pulse Picker Parts/w ctg	20	39	03/10/10	04/06/10	05/04/10	05/31/10		0.00															
DI 16065	AWARD: PO - CXI Pulse Picker Parts w/Coating	1	39	04/07/10	04/07/10	06/01/10	06/01/10	AWARD	27,355.00															
DI 16070	Vendor Coating - CXI Pulse Picker Parts w/coatin	30	39	04/08/10	05/19/10	06/02/10	07/13/10	SL_MSEG	27,355.00															
DI 16075	RCV: CXI Pulse Picker Parts with Coating	0	39		05/19/10		07/13/10		0.00															
DI 16080	Procurement Preps - XCS Pulse Picker Parts/w ctg	30	368	04/07/10	05/18/10	09/21/11	11/01/11		0.00															
DI 16085	AWARD: PO - XCS Pulse Picker Parts w/Coating	1	270	10/04/10	10/04/10	11/02/11	11/02/11	AWARD	27,355.00															
DI 16090	Vendor Coating - XCS Pulse Picker Parts w/coatin	30	215	01/06/11	02/16/11	11/03/11	12/21/11	SL_MSEG	27,355.00															
DI 16095	RCV: XCS Pulse Picker Parts with Coating	0	215		02/16/11		12/21/11		0.00															
9110553 Fab & Assembly - Pulse Picker																								
DI 12940	In-House Fab & Machine-XPP Pulse Picker Parts	55	47	12/03/09	03/03/10	02/22/10	05/07/10	SL_MF	138.00															
DI 13080	Inspect Procured Parts - XPP Pulse Picker	10	72	01/14/10	01/27/10	04/26/10	05/07/10	SL_AT	14.00															
DI 13100	Clean - XPP Pulse Picker Parts	10	47	03/04/10	03/17/10	05/10/10	05/21/10	SL_MFPC	4.00															
DI 13156	In-House Assembly - XPP Pulse Picker Parts	15	47	03/18/10	04/07/10	05/24/10	06/11/10	SL_MF, SL_AT	78.50															
DI 13158	Inspect & Fiducialize - XPP Pulse Picker Parts	3	47	04/08/10	04/12/10	06/14/10	06/16/10	SL_MES	8.00															
DI 13160	Vacuum Process - XPP Pulse Picker Parts	15	47	04/13/10	05/03/10	06/17/10	07/07/10	SL_AT	52.00															
DI 16100	In-House Fab & Machine- CXI Pulse Picker Parts	55	24	04/08/10	06/23/10	05/12/10	07/27/10	SL_MF	138.00															
DI 16105	Inspect Procured Parts - CXI Pulse Picker	10	39	05/20/10	06/02/10	07/14/10	07/27/10	SL_AT	14.00															
DI 16110	Clean - all CXI Pulse Picker Parts	10	24	06/24/10	07/07/10	07/28/10	08/10/10	SL_MFPC	4.00															
DI 16115	In-House Assembly - CXI Pulse Picker Parts	15	24	07/08/10	07/28/10	08/11/10	08/31/10	SL_AT, SL_MF	78.50															

Activity ID	Activity Description	Orig Dur	Total Float	Early Start	Early Finish	Late Start	Late Finish	Resource ID	Budgeted Quantity	FY08		FY09		FY10		FY11		FY12		
DI 07970	Check & Release Dwgs - HRM	20	265	12/11/09	01/21/10	01/18/11	02/14/11	SL_MDD	90.00					▼	Check & Release Dwgs - HRM					
DI 07975	COMP: Piece Part Drawings Complete - HRM	0	265		01/21/10		02/14/11		0.00					◆	COMP: Piece Part Drawings Complete - HRM					
DI 07980	Prep for FDR - HRM	10	154	10/27/09	11/09/09	06/16/10	06/29/10	SL_MDD, SL_MEE	50.00					▼	Prep for FDR - HRM					
DI 07990	FDR - Final Design Review - HRM	1	154	11/10/09	11/10/09	06/30/10	06/30/10	SL_MDD, SL_MEE	8.00					▼	FDR - Final Design Review - HRM					
DI 08000	Incorp FDR Changes - HRM	20	154	11/11/09	12/10/09	07/01/10	07/28/10	SL_MDD	80.00					▼	Incorp FDR Changes - HRM					
DI 08020	Generate Assembly Drawings - HRM	10	326	01/22/10	02/04/10	05/11/11	05/24/11	SL_MDD	40.00					▼	Generate Assembly Drawings - HRM					
DI 08060	Generate Mfg Docs - HRM	20	326	02/05/10	03/04/10	05/25/11	06/21/11	SL_MEE	80.00					▼	Generate Mfg Docs - HRM					
DI 08070	Prep for Design Status Review - HRM	10	326	03/05/10	03/18/10	06/22/11	07/05/11	SL_MEE, SL_MDD	50.00					▼	Prep for Design Status Review - HRM					
DI 08100	Design Status Review - HRM	1	326	03/19/10	03/19/10	07/06/11	07/06/11	SL_MDD, SL_MEE	8.00					▼	Design Status Review - HRM					
DI 08120	COMP: Design Phase Complete - HRM	0	412		03/19/10		11/03/11		0.00					◆	COMP: Design Phase Complete - HRM					
9110562 Procurement - Harmonic Rejection Mirrors																				
DI 10440	Procurement Preps - XPP HRM Long Duration	30	19	10/04/10	11/12/10	10/29/10	12/13/10		0.00					▼	Procurement Preps - XPP HRM Long Duration					
DI 10445	AWARD: PO - XPP HRM Long Lead Parts	1	121	11/15/10	11/15/10	05/19/11	05/19/11	AWARD	44,000.00					▼	AWARD: PO - XPP HRM Long Lead Parts					
DI 10450	Vendor Fab - XPP HRM Long Lead Parts	120	121	11/16/10	05/18/11	05/20/11	11/03/11	SL_MSEQ	44,000.00					▼	Vendor Fab - XPP HRM Long Lead Parts					
DI 10455	RCV: XPP HRM Long Lead Parts	0	121		05/18/11		11/03/11		0.00					◆	RCV: XPP HRM Long Lead Parts					
DI 10460	Procurement Preps - XPP HRM	30	156	11/15/10	01/11/11	07/07/11	08/17/11		0.00					▼	Procurement Preps - XPP HRM					
DI 10465	AWARD: PO - XPP HRM Parts	1	156	01/12/11	01/12/11	08/18/11	08/18/11	AWARD	40,971.00					▼	AWARD: PO - XPP HRM Parts					
DI 10470	Vendor Fab - XPP HRM Parts	60	156	01/13/11	04/06/11	08/19/11	11/10/11	SL_MSEQ	40,971.00					▼	Vendor Fab - XPP HRM Parts					
DI 10475	RCV: XPP HRM All Parts	0	156		04/06/11		11/10/11		0.00					◆	RCV: XPP HRM All Parts					
DI 14820	Procurement Preps - XCS HRM Long Duration	30	19	10/04/10	11/12/10	10/29/10	12/13/10		0.00					▼	Procurement Preps - XCS HRM Long Duration					
DI 14840	AWARD: PO - XCS HRM Long Lead Parts	1	19	11/15/10	11/15/10	12/14/10	12/14/10	AWARD	44,000.00					▼	AWARD: PO - XCS HRM Long Lead Parts					
DI 14860	Vendor Fab - XCS HRM Long Lead Parts	120	19	11/16/10	05/18/11	12/15/10	06/14/11	SL_MSEQ	44,000.00					▼	Vendor Fab - XCS HRM Long Lead Parts					
DI 14880	RCV: XCS HRM Long Lead Parts	0	19		05/18/11		06/14/11		0.00					◆	RCV: XCS HRM Long Lead Parts					
DI 14900	Procurement Preps - XCS HRM	30	54	11/15/10	01/11/11	02/15/11	03/28/11		0.00					▼	Procurement Preps - XCS HRM					
DI 14920	AWARD: PO - XCS HRM Parts	1	54	01/12/11	01/12/11	03/29/11	03/29/11	AWARD	40,971.00					▼	AWARD: PO - XCS HRM Parts					
DI 14940	Vendor Fab - XCS HRM Parts	60	54	01/13/11	04/06/11	03/30/11	06/21/11	SL_MSEQ	40,971.00					▼	Vendor Fab - XCS HRM Parts					
DI 14960	RCV: XCS HRM All Parts	0	54		04/06/11		06/21/11		0.00					◆	RCV: XCS HRM All Parts					
9110563 Fab & Assembly - Harmonic Rejection Mirrors																				
DI 10480	Inspect Procured Parts - XPP HRM Long Lead	15	121	05/19/11	06/08/11	11/04/11	12/01/11	SL_AT	80.00					▼	Inspect Procured Parts - XPP HRM Long Lead					
DI 10485	Inspect Procured Parts - XPP HRM Misc	10	156	04/07/11	04/20/11	11/11/11	12/01/11	SL_AT	32.70					▼	Inspect Procured Parts - XPP HRM Misc					
DI 10490	Clean - all XPP HRM Parts	10	121	06/09/11	06/22/11	12/02/11	12/15/11	SL_MFPC	32.00					▼	Clean - all XPP HRM Parts					
DI 10495	In-House Assembly - XPP HRM Parts	35	121	06/23/11	08/10/11	12/16/11	02/15/12	SL_MF, SL_AT	147.00					▼	In-House Assembly - XPP HRM Parts					

Activity ID	Activity Description	Orig Dur	Total Float	Early Start	Early Finish	Late Start	Late Finish	Resource ID	Budgeted Quantity	FY08		FY09		FY10		FY11		FY12		
DI 10500	Inspect & Fiducialize - XPP HRM	10	121	08/11/11	08/24/11	02/16/12	02/29/12	SL_MES	8.00											
DI 10505	Vacuum Process - XPP HRM Parts	10	121	08/25/11	09/07/11	03/01/12	03/14/12	SL_AT	40.00											
DI 14980	Inspect Procured Parts - XCS HRM Long Lead	15	19	05/19/11	06/08/11	06/15/11	07/05/11	SL_AT	80.00											
DI 15000	Inspect Procured Parts - XCS HRM Misc Parts	10	54	04/07/11	04/20/11	06/22/11	07/05/11	SL_AT	32.70											
DI 15020	Clean - all XCS HRM Parts	10	19	06/09/11	06/22/11	07/06/11	07/19/11	SL_MFPC	32.00											
DI 15040	In-House Assembly - XCS HRM Parts	35	19	06/23/11	08/10/11	07/20/11	09/06/11	SL_MF, SL_AT	147.00											
DI 15060	Inspect & Fiducialize - XCS HRM Parts	10	19	08/11/11	08/24/11	09/07/11	09/20/11	SL_MES	8.00											
DI 15080	Vacuum Process - XCS HRM Parts	5	19	08/25/11	08/31/11	09/21/11	09/27/11	SL_AT	40.00											
9110564 Testing - Harmonic Rejection Mirrors																				
DI 10510	REQD: XPP HRM Controls HW/SW	0	261		02/23/11		03/14/12		0.00											
DI 10515	Testing - XPP HRM	10	121	09/08/11	09/21/11	03/15/12	03/28/12	SL_AT, SL_CT	24.00											
DI 10520	AVAIL: XPP HRM Ready for Installation	0	121		09/21/11		03/28/12		0.00											
DI 15085	REQD: XCS HRM Controls HW/SW	0	34		08/10/11		09/27/11		0.00											
DI 15100	Testing - XCS HRM	30	19	09/01/11	10/12/11	09/28/11	11/08/11	SL_AT, SL_CT	24.00											
DI 15120	AVAIL: XCS HRM Ready for Installation	0	19		10/12/11		11/08/11		0.00											
1.5.03.07 Channel Cut Monochromator																				
9110946 Design & Engr - Channel Cut Monochromator																				
DI 60290	Generate PRD - Channel Cut Monochromator	20	324	03/30/09	04/24/09	07/13/10	08/09/10	SL_PHSS	80.00											
DI 60310	Generate ESD - Channel Cut Monochromator	20	324	04/27/09	05/22/09	08/10/10	09/06/10	SL_MEE	80.00											
DI 60330	Develop ANL MOU - CC Monochromator	30	324	05/25/09	07/03/09	09/07/10	10/18/10	SL_MEE	80.00											
DI 60350	Design Review - CC Monochromator	2	324	07/16/09	07/17/09	10/29/10	11/01/10	SL_PHSS, SL_MEE, SL_TRVL	5,032.00											
DI 60390	Establish MOU - Channel Cut Monochromator	5	324	07/06/09	07/10/09	10/19/10	10/25/10	SL_MEE, SL_PHSS, SL_TRVL	5,040.00											
DI 60430	Oversight & Integration - Channel Cut Mono	302	329	07/13/09	09/23/10	11/02/10	02/02/12	SL_MEE, SL_PHSS	160.00											
9110947 Subcontract - Channel Cut Monochromator																				
DI 60450	Vendor Components -XCS Channel Cut Monochromator	40	324	07/20/09	09/11/09	11/02/10	01/12/11	SL_MSSY	215,720.00											
DI 60470	Fab Coordination and Oversight - XCS CC Mono-ANL	115	444	07/20/09	01/12/10	05/05/11	10/12/11	AN_ME2	400.00											
DI 60510	Vendor Parts Inspection - XCS CC Mono - ANL	20	324	09/14/09	10/09/09	01/13/11	02/09/11	AN_MFAT2	100.00											
DI 60515	Vendor Parts Cleaning and Processing - ANL	10	324	10/12/09	10/23/09	02/10/11	02/23/11	AN_MFAT2	100.00											
DI 60520	AWARD: XCS Channel Cut Monochromator	1	324	07/15/09	07/15/09	10/28/10	10/28/10	AWARD	215,720.00											
DI 60525	SLAC Approval Process - CC Mono	1	324	07/13/09	07/13/09	10/26/10	10/26/10		0.00											
DI 60535	DOE Approval Process - CC Mono	1	324	07/14/09	07/14/09	10/27/10	10/27/10		0.00											
DI 60550	Acceptance of Vendor Fab - XCS CC Monochromator	5	324	05/26/10	06/01/10	09/08/11	09/14/11	AN_MFAT2, AN_MSTR2	5,080.00											
DI 60590	Monochromator Assembly - XCS CC Mono - ANL	120	324	10/26/09	04/27/10	02/24/11	08/10/11	AN_MFAT2	400.00											

