

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY06				FY07				FY08				FY09									
					A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J
1 LCLS PROJECT - PED & CONSTRUCTION																										
1.05 X-RAY TRANSPORT & DIAGNOSTICS SYSTEMS																										
XT_082	COMP: X-Ray Transport	0		03/31/09*																						
XT_LOE	COMP: X-Ray Transport LOE Tasks	0		03/31/09*																						
1.05.01 System Management & Integration																										
1.05.01.01 Management																										
XT10_ETC	Start of ETC Replan	0	07/03/06A		◆																					
1.05.01.01.01 XTOD Management - Technical																										
XT1111010	Management & Oversight - Jul-Sep06	63*	07/03/06A	09/29/06	▶	▶	▶	▶	▶																	
XT1111040	Facility Usage Charge	442*	07/03/06A	04/30/08	▶	▶	▶	▶	▶	▶	▶	▶	▶	▶	▶	▶	▶	▶	▶	▶	▶	▶	▶	▶	▶	▶
XT1111020	Management & Oversight - FY07	242	10/02/06	09/28/07						▶	▶	▶	▶	▶	▶	▶	▶	▶	▶	▶	▶	▶	▶	▶	▶	▶
XT1111030	Management & Oversight - FY08	94	10/01/07	02/29/08																		▶	▶	▶	▶	▶
1.05.01.01.02 LLNL Project Support																										
XT1112010	Administrative/Database Support	399*	07/03/06A	02/29/08	▶	▶	▶	▶	▶	▶	▶	▶	▶	▶	▶	▶	▶	▶	▶	▶	▶	▶	▶	▶	▶	▶
XT1112020	Teleconference/Comp	399*	07/03/06A	02/29/08	▶	▶	▶	▶	▶	▶	▶	▶	▶	▶	▶	▶	▶	▶	▶	▶	▶	▶	▶	▶	▶	▶
XT1112030	Project Support M&S	399*	07/03/06A	02/29/08	▶	▶	▶	▶	▶	▶	▶	▶	▶	▶	▶	▶	▶	▶	▶	▶	▶	▶	▶	▶	▶	▶
1.05.01.01.03 Commissioning Coordinator																										
XT1113020	Management - Commission Coordinator - FY-06	63*	07/03/06A	09/29/06	▶	▶	▶	▶	▶																	
1.05.03 Mechanical & Vacuum Subsystem																										
1.05.03.01 Vacuum Systems Engineering																										
XT1310010	Configuration Drawing Mgt	314*	07/03/06A	09/28/07	▶	▶	▶	▶	▶	▶	▶	▶	▶	▶	▶	▶	▶	▶	▶	▶	▶	▶	▶	▶	▶	▶
XT1310020	Material Mgt	314*	07/03/06A	09/28/07	▶	▶	▶	▶	▶	▶	▶	▶	▶	▶	▶	▶	▶	▶	▶	▶	▶	▶	▶	▶	▶	▶
XT_456	Mech/Vac Supplies	314*	07/03/06A	09/28/07	▶	▶	▶	▶	▶	▶	▶	▶	▶	▶	▶	▶	▶	▶	▶	▶	▶	▶	▶	▶	▶	▶
1.05.03.02 Mech/Vac Front End																										
XT1320010	Prepare Physics Specification - FEE Mech/Vac	37	09/11/06*	10/31/06						▶	▶															
XT1320020	PRD Review - FEE Mech/Vac	5	11/01/06	11/07/06																		▶	▶			
XT1320030	COMP: PRD - FEE Mech/Vac	0		11/07/06																		◆				
XT1320040	Conceptual Engr/Design - FEE Mech/Vac	32	11/08/06	01/09/07																		▶	▶			
XT1320100	Prepare documentation - FEE Mech/Vac	74	12/08/06	04/09/07																			▶	▶	▶	▶
XT1320050	Conceptual Design Review - FEE Mech/Vac	10	01/10/07	01/24/07																			▶	▶		
XT1320060	COMP: CDR - FEE Mech/Vac	0		01/24/07																				◆		

Start Date 06/01/01
Finish Date 04/01/09
Data Date 08/01/06

LCLS PROJECT
Integrated Master Schedule
X-Ray Transport & Diagnostics Systems

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY06					FY07					FY08					FY09							
					A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F
1.05.03.03.01 Mech/Vac Near Hall																											
XT1331130	COMP: FDR - NEH Mech/Vac	0		04/23/07																							
XT1331150	AWARD: NEH Mech/Vac	1	06/07/07	06/07/07																							
XT1331160	Fab/Deliver - NEH Mech/Vac	86	06/08/07	10/09/07																							
XT1331170	Test @ LLNL - NEH Mech/Vac	10	10/10/07	10/23/07																							
XT1331180	Readiness Review - NEH Mech/Vac	10	10/24/07	11/06/07																							
XT1331190	COMP: Readiness Review - NEH Mech/Vac	0		11/06/07																							
XT1331200	Ship to SLAC - NEH Mech/Vac	10	02/04/08	02/15/08																							
XT1331210	AVAIL: NEH Mech/Vac	0		02/15/08																							
1.05.03.04 Mech/Vac Tunnel																											
XT1340010	Prepare seismic note - Tunnel Mech/Vac	10	07/03/06A	07/17/06A																							
XT1340110	Final Engineering/Design - Tunnel Mech/Vac	74	07/03/06A	10/16/06																							
XT1340020	Prepare IWS - Tunnel Mech/Vac	83*	07/03/06A	10/27/06																							
XT1340120	Final Design Review - Tunnel Mech/Vac	10	10/17/06	10/30/06																							
XT1340130	COMP: FDR - Tunnel Mech/Vac	0		10/30/06																							
XT1340140	Bid Prep/RFP/Award - Tunnel Mech/Vac	55	10/31/06*	02/02/07																							
XT1340150	AWARD: Tunnel Mech/Vac	1	02/05/07	02/05/07																							
XT1340160	Fab/Deliver - Tunnel Mech/Vac	176	02/06/07	10/15/07																							
XT1340030	Prepare acceptance test plan/proced - Tunnel Mec	50	06/01/07*	08/10/07																							
XT1340040	Prepare oper/maint proced - Tunnel Mech/Vac	50	06/01/07*	08/10/07																							
XT1340180	Readiness Review - Tunnel Mech/Vac	10	07/27/07*	08/09/07																							
XT1340190	COMP: Readiness Review - Tunnel Mech/Vac	0		08/10/07																							
XT1340200	Ship to SLAC - Tunnel Mech/Vac	34	02/04/08	03/21/08																							
XT1340210	AVAIL: Tunnel Mech/Vac	0		03/21/08																							
1.05.03.05 Mech/Vac Far Hall																											
XT1351010	Prepare Physics Specification - FEH Mech/Vac	37	09/11/06*	10/31/06																							
XT1351020	PRD Review - FEH Mech/Vac	5	11/01/06	11/07/06																							
XT1351030	COMP: PRD - FEH Mech/Vac	0		11/07/06																							
XT1351040	Conceptual Engr/Design - FEH Mech/Vac	32	11/08/06	01/09/07																							
XT1351050	Conceptual Design Review - FEH Mech/Vac	10	01/10/07	01/24/07																							
XT1351060	COMP: CDR - FEH Mech/Vac	0		01/24/07																							
XT1351065	Prepare ESD - FEH Mech/Vac	20	01/25/07	02/22/07																							

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY06				FY07				FY08				FY09											
					A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M
1.05.04.02.01 Fast Valve																												
XT1421140	Fab/Deliver - Fast Valve	40	03/02/07	04/26/07																								
XT1421150	Testing @ LLNL - Fast Valve	20	04/27/07	05/24/07																								
XT1421160	Readiness Review - Fast Valve	10	06/18/07*	06/29/07																								
XT1421170	Ship to SLAC - Fast Valve	10	02/04/08	02/15/08																								
XT1421180	AVAIL: Fast Valve	0		02/15/08																								
1.05.04.02.02 Fixed Mask																												
XT1422010	Preliminary Engineering/Design - Fixed Mask	20	07/03/06A	07/31/06																								
XT1422070	Prepare IWS - Fixed Mask	85*	07/03/06A	10/31/06																								
XT1422020	Prepare ESD - Fixed Mask	10	07/17/06A	07/31/06																								
XT1422030	Preliminary Design Review - Fixed Mask	10	08/01/06	08/14/06																								
XT1422050	Final Engineering/Design - Fixed Mask	65	08/01/06	10/31/06																								
XT1422060	Prepare seismic note - Fixed Mask	65	08/01/06	10/31/06																								
XT1422040	COMP: PDR - Fixed Mask	0		08/14/06																								
XT1422080	Prepare acceptance test plan/proced - Fixed Mask	30	09/01/06*	10/13/06																								
XT1422090	Prepare oper/maint proced - Fixed Mask	30	09/01/06*	10/13/06																								
XT1422110	Final Design Review - Fixed Mask	10	11/01/06	11/14/06																								
XT1422120	COMP: FDR - Fixed Mask	0		11/14/06																								
XT1422130	Bid Prep/RFP/Award - Fixed Mask	20	11/15/06	12/14/06																								
XT1422140	AWARD: Fixed Mask	1	12/15/06	12/15/06																								
XT1422150	Fab/Deliver - Fixed Mask	40	01/02/07	02/28/07																								
XT1422160	Testing @ LLNL - Fixed Mask	20	03/01/07	03/28/07																								
XT1422170	Readiness Review - Fixed Mask	10	06/18/07*	06/29/07																								
XT1422175	Fixed Mask Ready to Ship to SLAC	0		06/29/07																								
XT1422180	Ship to SLAC - Fixed Mask	10	02/04/08	02/15/08																								
XT1422240	AVAIL: Fixed Mask	0		02/15/08																								
1.05.04.02.03 Slit																												
XT1423010	Preliminary Engineering/Design - Slit	20	07/03/06A	07/31/06																								
XT1423070	Prepare IWS - Slit	62*	07/03/06A	09/28/06																								
XT1423060	Prepare seismic note - Slit	105*	07/03/06A	11/30/06																								
XT1423020	Prepare ESD - Slit	44*	07/17/06A	09/15/06																								
XT1423030	Preliminary Design Review - Slit	10	08/01/06	08/14/06																								
XT1423050	Final Engineering/Design - Slit	55	08/01/06	10/17/06																								

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY06				FY07				FY08				FY09											
					A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M
1.05.04.02.07.01 Low Energy Mirrors																												
XT14271120	COMP: FDR - LE Mirror	0		04/23/07																								
XT14271170	Bid Prep/RFP/Award - LE Mirror Mount/Tank System	20	04/24/07	05/21/07																								
XT14271180	AWARD: LE Mirror Mount/Tank System	1	05/22/07	05/22/07																								
XT14271190	Fab/Deliver Mount & Tank System - LE Mirror	40	05/23/07	07/19/07																								
XT14271200	Test Mount @ LLNL - LE Mirror	40	07/20/07	09/14/07																								
XT14271160	Deposit Coating - LE Mirror	30	08/14/07	09/25/07																								
XT14271210	Readiness Review - LE Mirror	10	09/26/07	10/09/07																								
XT14271220	Ship to SLAC - LE Mirror	10	02/04/08	02/15/08																								
XT14271230	AVAIL: LE Mirror	0		02/15/08																								
1.05.04.02.07.02 High Energy Mirrors																												
XT14272010	Prepare Physics Specification - HE Mirror	42	10/02/06*	11/30/06																								
XT14272040	Conceptual Engr/Design - HE Mirror	32	11/13/06*	01/12/07																								
XT14272020	PRD Review - HE Mirror	10	12/01/06	12/14/06																								
XT14272030	COMP: PRD - HE Mirror	0		12/14/06																								
XT14272050	Conceptual Design Review - HE Mirror	10	01/16/07	01/29/07																								
XT14272070	Preliminary Engineering/Design - HE Mirror	54	01/16/07	04/02/07																								
XT14272060	COMP: CDR - HE Mirror	0		01/29/07																								
XT14272065	Prepare ESD - HE Mirror	20	01/30/07	02/27/07																								
XT14272092	Prepare IWS - HE Mirror	31	02/16/07*	04/02/07																								
XT14272080	Preliminary Design Review - HE Mirror	10	04/03/07	04/16/07																								
XT14272091	Prepare seismic note - HE Mirror	41	04/03/07	05/30/07																								
XT14272100	Final Engineering/Design - HE Mirror	91	04/03/07	08/09/07																								
XT14272090	COMP: PDR - HE Mirror	0		04/16/07																								
XT14272130	Bid Prep/RFP/Award - HE Mirror Substrate	20	04/17/07	05/14/07																								
XT14272093	Prepare acceptance test plan/proced - HE Mirror	22	05/01/07*	05/31/07																								
XT14272094	Prepare oper/maint proced - HE Mirror	22	05/01/07	05/31/07																								
XT14272140	AWARD: HE Mirror Substrate	1	05/15/07	05/15/07																								
XT14272150	Fab/Deliver - HE Mirror Substrate	241	05/16/07	05/13/08																								
XT14272110	Final Design Review - HE Mirror	10	08/10/07	08/23/07																								
XT14272120	COMP: FDR - HE Mirror	0		08/23/07																								
XT14272170	Bid Prep/RFP/Award - HE Mirror Mount/Tank System	30	08/24/07	10/05/07																								

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY06				FY07				FY08				FY09													
					A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M
1.05.05.03.01 Direct Imager																														
XT1531180	AWARD: Direct Imager	1	04/12/07	04/12/07									X																	
XT1531190	Fab/Deliver - Direct Imager	65	04/13/07	07/16/07																										
XT1531200	Test @ LLNL - Direct Imager	65	07/17/07	10/16/07																										
XT1531210	Readiness Review - Direct Imager	10	10/17/07	10/30/07																										
XT1531220	COMP: Readiness Review - Direct Imager	0		10/30/07																										
XT1531230	Ship to SLAC - Direct Imager	10	02/04/08	02/15/08																										
XT1531240	AVAIL: Direct Imager	0		02/15/08																										
1.05.05.03.02 Indirect Imager																														
XT1532010	Closeout - Indirect Imager	43*	07/03/06A	08/31/06																										
1.05.05.03.06 Gas Detector																														
XT1536020	Prototype Procurements - Gas Detector	63*	07/03/06A	09/29/06																										
XT1536050	Preliminary Controls Definition - Gas Detector	63*	07/03/06A	09/29/06																										
XT1536070	Preliminary Science/Engrng/Design - Gas Detector	73*	07/03/06A	10/13/06																										
XT1536040	Prepare ESD (Instr Sci) - Gas Detector	84*	07/03/06A	10/30/06																										
XT1536110	Prepare Preliminary IWS - Gas Detector	84*	07/03/06A	10/30/06																										
XT1536010	COMP: PRD - Gas Detector	0		07/31/06																										
XT1536030	Prototype Surface Testing - Gas Detector	65	08/01/06	10/31/06																										
XT1536091	Design - Detector Calibration @ SSRL	65	08/01/06	10/31/06																										
XT1536092	Procure Hrdwr - Detector Calibration @ SSRL	30	09/20/06*	10/31/06																										
XT1536080	Preliminary Design Review - Gas Detector	10	10/16/06	10/27/06																										
XT1536093	Assemble - Detector Calibration @ SSRL	20	10/16/06*	11/10/06																										
XT1536140	Final Science/Engrng/Design - Gas Detector	52	10/16/06	01/12/07																										
XT1536090	COMP: PDR - Gas Detector	0		10/27/06																										
XT1536115	Prepare Final IWS - Gas Detector	20	10/31/06*	11/29/06																										
XT1536120	Prepare acceptance test plan/proced - Gas Detect	31	11/01/06*	12/15/06																										
XT1536130	Prepare oper/maint proced - Gas Detector	31	11/01/06*	12/15/06																										
XT1536094	Testing - Detector Calibration @ SSRL	10	11/13/06	11/28/06																										
XT1536095	Analysis - Detector Calibration @ SSRL	20	11/13/06	12/12/06																										
XT1536150	Final Design Review - Gas Detector	10	01/16/07	01/29/07																										
XT1536160	COMP: FDR - Gas Detector	0		01/29/07																										
XT1536170	Bid Prep/RFP/Award - Gas Detector	30	01/30/07	03/13/07																										
XT1536180	AWARD: Gas Detector	1	03/14/07	03/14/07																										

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY06				FY07				FY08				FY09													
					A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M
1.05.05.03.06 Gas Detector																														
XT1536190	Fab/Deliver - Gas Detector	70	03/15/07	06/21/07																										
XT1536200	Test @ LLNL - Gas Detector	60	06/22/07	09/17/07																										
XT1536210	Readiness Review - Gas Detector	10	09/18/07	10/01/07																										
XT1536220	COMP: Readiness Review - Gas Detector	0		10/01/07																										
XT1536230	Ship to SLAC - Gas Detector	10	02/04/08	02/15/08																										
XT1536240	AVAIL: Gas Detector	0		02/15/08																										
1.05.05.03.07 NEH Imager																														
XT1537010	Prepare Physics Specification - NEH Imager	20	12/15/06*	01/29/07																										
XT1537020	PRD Review - NEH Imager	5	01/30/07	02/05/07																										
XT1537040	Conceptual Engr/Design - NEH Imager	30	01/30/07	03/13/07																										
XT1537030	COMP: PRD - NEH Imager	0		02/05/07																										
XT1537050	Conceptual Design Review - NEH Imager	10	03/14/07	03/27/07																										
XT1537070	Preliminary Engineering/Design - NEH Imager	40	03/14/07	05/08/07																										
XT1537060	COMP: CDR - NEH Imager	0		03/27/07																										
XT1537065	Prepare ESD - NEH Imager	20	03/28/07	04/24/07																										
XT1537100	Prepare seismic note - NEH Imager	40	04/16/07*	06/11/07																										
XT1537080	Preliminary Design Review - NEH Imager	10	05/09/07	05/22/07																										
XT1537120	Prepare acceptance test plan/proced - NEH Imager	30	05/09/07	06/20/07																										
XT1537130	Prepare oper/maint proced - NEH Imager	30	05/09/07	06/20/07																										
XT1537110	Prepare IWS - NEH Imager	50	05/09/07	07/19/07																										
XT1537090	COMP: PDR - NEH Imager	0		05/22/07																										
XT1537140	Final Engineering/Design - NEH Imager	46	05/23/07	07/27/07																										
XT1537150	Final Design Review - NEH Imager	10	07/30/07	08/10/07																										
XT1537160	COMP: FDR - NEH Imager	0		08/10/07																										
XT1537170	Bid Prep/RFP/Award - NEH Imager	56	08/13/07	10/30/07																										
XT1537180	AWARD: NEH Imager	1	10/31/07	10/31/07																										
XT1537190	Fab/Deliver - NEH Imager	51	11/01/07	01/31/08																										
XT1537200	Test @ LLNL - NEH Imager	20	02/01/08	02/29/08																										
XT1537210	Readiness Review - NEH Imager	10	03/03/08	03/14/08																										
XT1537220	Ship to SLAC - NEH Imager	10	03/17/08	03/28/08																										
XT1537230	AVAIL: NEH Imager	0		03/28/08																										

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY06												FY07												FY08												FY09											
					A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M										
1.05.05.04.02 Total Energy Measurement																																																				
XT1542050	Conceptual Design Review - Total Energy Measurem	10	08/16/06*	08/29/06																																																
XT1542060	COMP: CDR - Total Energy Measurement	0		08/29/06																																																
XT1542065	Prepare ESD - Total Energy Measurement	20	08/30/06	09/27/06																																																
XT1542070	Preliminary Engineering/Design - Total Energy Me	40	08/30/06	10/25/06																																																
XT1542025	Prototype revision - Total Energy Measurement	62	09/01/06*	11/30/06																																																
XT1542030	Prototype Testing w/ old preamp - TEM	53	10/02/06	12/15/06																																																
XT1542035	Model refinement - Total Energy Measurement	53	10/02/06	12/15/06																																																
XT1542132	Fab Sensor Film on Si - Total Energy Measurement	53	10/02/06	12/15/06																																																
XT1542134	Develop Films on Al2O3 - Total Energy Measuremen	136	10/02/06	04/30/07																																																
XT1542080	Preliminary Design Review - Total Energy Measure	10	10/26/06	11/08/06																																																
XT1542100	Prepare seismic note - Total Energy Measurement	20	10/26/06	11/22/06																																																
XT1542120	Prepare acceptance test plan/proced - Total Ener	20	10/26/06	11/22/06																																																
XT1542130	Prepare oper/maint proced - Total Energy Measure	20	10/26/06	11/22/06																																																
XT1542131	EPICS Control SW - Total Energy Measurement	118	10/26/06	04/30/07																																																
XT1542090	COMP: PDR - Total Energy Measurement	0		11/08/06																																																
XT1542140	Final Engineering/Design - Total Energy Measurem	40	11/09/06	01/23/07																																																
XT1542170	Bid Prep/RFP/Award - Total Energy Measurement	30	01/02/07*	02/13/07																																																
XT1542133	Fab Sensor Arrays on Si - Total Energy Measureme	40	01/02/07	02/28/07																																																
XT1542150	Final Design Review - Total Energy Measurement	10	01/24/07	02/06/07																																																
XT1542160	COMP: FDR - Total Energy Measurement	0		02/06/07																																																
XT1542180	AWARD: Total Energy Measurement	1	02/14/07	02/14/07																																																
XT1542190	Fab/Deliver - Total Energy Measurement	50	02/15/07	04/26/07																																																
XT1542195	Assembly @ LLNL - Total Energy Measurement	15	04/27/07	05/17/07																																																
XT1542135	Fab Sensor Arrays on Al2O3 - Total Energy Measu	43	05/01/07	06/29/07																																																
XT1542200	Test @ LLNL - Total Energy Measurement	60	06/04/07	08/27/07																																																
XT1542210	Readiness Review - Total Energy Measurement	10	08/28/07	09/11/07																																																
XT1542220	COMP: Readiness Review - Total Energy Measuremen	0		09/11/07																																																
XT1542230	Ship to SLAC - Total Energy Measurement	10	02/04/08	02/15/08																																																
XT1542240	AVAIL: Total Energy Measurement	0		02/15/08																																																
1.05.05.04.04 Low Energy Spectral Measurement System																																																				
XT1544010	Prepare Physics Specification - Low Energy Spect	20	09/25/06*	10/20/06																																																

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY06				FY07				FY08				FY09											
					A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M
1.05.06.01 FEE Install																												
XT1610620	AVAIL: FEE for Undulator Commissioning	0		08/21/08																								
1.05.06.02 Near Hall Install																												
XT1620005	Start XTOD Installation in NEH	0		11/01/07																								
XT1620010	Establish monuments	6	11/27/07	12/04/07																								
XT1620030	Mark floor for drilling	4	12/05/07	12/10/07																								
XT1620210	Install NEH cable tray stubs	1	12/11/07	12/11/07																								
XT1620040	Install floor anchors	4	12/11/07	12/14/07																								
XT1620100	Install vacuum cable plant	5	12/12/07	12/18/07																								
XT1620070	Install ion pump controllers	1	12/18/07	12/18/07																								
XT1620080	Install ion gauge controllers	1	12/18/07	12/18/07																								
XT1620090	Install PLC's	2	12/18/07	12/19/07																								
XT1620290	Install Penetration tube (NH-TN)	1	02/08/08	02/08/08																								
XT1620300	Align penetration tube (NH-TN)	1	02/11/08	02/11/08																								
XT1620050	Install vacuum tank supports	4	03/31/08	04/03/08																								
XT1620150	Install NEH vacuum tanks	10	04/04/08	04/17/08																								
XT1620160	Install isolation valves	1	04/18/08	04/18/08																								
XT1620180	Align NEH vacuum tanks	2	04/18/08	04/21/08																								
XT1620110	Install Diagnostic Screens	3	04/18/08	04/22/08																								
XT1620190	Install vacuum piping	2	04/21/08	04/22/08																								
XT1620170	Install house air stubs	1	04/23/08	04/23/08																								
XT1620200	Install ion gauges	1	04/23/08	04/23/08																								
XT1620120	Install Diagnostic Screen cables	3	04/23/08	04/25/08																								
XT1620130	Test Diagnostic controls	5	04/28/08	05/02/08																								
XT1620220	Install collimators C4 (SXR & HXR)	3	06/25/08	06/27/08																								
XT1620230	Install collimators C5 and C6 (HXR)	2	06/30/08	07/01/08																								
XT1620240	Align collimators C4 (SXR & HXR)	2	07/16/08	07/17/08																								
XT1620250	Align collimators C5 & C6	2	07/18/08	07/21/08																								
XT1620140	Test vacuum controls	5	07/22/08	07/28/08																								
XT1620145	Start NEH Checkout	0		07/28/08																								
XT1620280	NEH Vacuum Pumpdown	2	07/29/08	07/30/08																								
XT1620260	Shield collimator C4	3	07/31/08	08/04/08																								

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY06				FY07				FY08				FY09											
					A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M
1.05.06.04 Far Hall Install																												
XT1640060	Install vacuum cable plant	5	01/17/08	01/24/08																								
XT1640070	Install ion pump controllers	1	01/22/08	01/22/08																								
XT1640080	Install ion gauge controllers	1	01/22/08	01/22/08																								
XT1640090	Install PLC's	2	01/22/08	01/23/08																								
XT1640110	Install vacuum tank supports	2	03/31/08	04/01/08																								
XT1640120	Install FEH vacuum tanks	10	04/02/08	04/15/08																								
XT1640130	Install isolation valves	1	04/16/08	04/16/08																								
XT1640150	Align FEH vacuum tanks	3	04/16/08	04/18/08																								
XT1640140	Install spools	2	04/17/08	04/18/08																								
XT1640180	Install FEH house air stubs	2	04/17/08	04/18/08																								
XT1640160	Install ion gauges	1	04/21/08	04/21/08																								
XT1640100	Test vacuum controls	10	04/21/08	05/02/08																								
XT1640105	Start FEH Checkout	0		05/02/08																								
XT1640200	Vacuum system pumpdown	10	07/18/08	07/31/08																								
1.05.06.05 Electron Dump Enclosure Install																												
XT1650010	Install Controls cable (fast valve cables)	2	11/09/07	11/12/07																								
XT1650020	Install penetration drift tube/ground plate	1	02/06/08	02/06/08																								
XT1650030	Align penetration tube (EDE-FEE)	1	02/07/08	02/07/08																								
XT1650040	Install penetration shielding	2	02/08/08	02/11/08																								
XT1650050	Test fast valve	2	02/13/08	02/14/08																								

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	FY06				FY07				FY08				FY09											
					A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M
2 LCLS PROJECT - R&D, SPARES, COMMISSIONING																												
2.05 X-RAY TRANSPORT & DIAGNOSTICS SYSTEMS (OPC)																												
2.05.01 System Management & Integration																												
2.05.01.01 Management																												
XT_9626	Management & Oversight - FY-08	149	03/03/08	09/30/08																								
XT_3454	LLNL - Commissioning Team	128	04/01/08*	09/30/08																								
XTOPS_0000	XTOD Pre-Operations	244*	04/04/08*	03/31/09																								
XT_9629	Management & Oversight - FY-09	119	10/01/08	03/31/09																								
2.05.03 Commissioning - Mech/Vac																												
2.05.03.02 Commission - Mech/Vac FEE																												
XT_7	Commission - FEE Mech/Vac	40	08/22/08	10/17/08																								
XT_8	COMP: FEE Mechanical/Vacuum Installed & Commiss	0		10/17/08																								
XT_97	Commission - Electron Dump Mech/Vac	20	10/20/08	11/14/08																								
2.05.03.04 Commission - Mech/Vac Tunnel																												
XT_558	Commission - Tunnel Mech/Vac	20	04/18/08	05/15/08																								
2.05.03.05 Commission - Mech/Vac FEH																												
XT_668	Commission - Far Hall Mech/Vac - H1	10	08/01/08	08/14/08																								
2.05.04 Commissioning - Optical Subsystem																												
2.05.04.02 Facility Optics																												
XT_546	Procure Spares - Part 1	60	04/01/08*	06/24/08																								
XT_1156	Commission - Fixed Mask 1	20	08/22/08	09/19/08																								
XT_2013	Commission - Gas Attenuator	21	08/22/08	09/22/08																								
XT_8002	Commission - Slit	40	08/22/08	10/17/08																								
XT2420010	Procure Spares - Part 2	60	10/01/08*	01/07/09																								
2.05.05 Commissioning - Diagnostics Subsystem																												
2.05.05.02 Modeling & Simulation																												
XT_6501	Modeling & Simulation - FY-07	242	10/02/06	09/28/07																								
XT_6502	Modeling & Simulation - FY-08	243	10/01/07	09/30/08																								
2.05.05.03 Facility Diagnostics																												
XT_4436	Procure Spares - Direct Imager	60	10/03/06	01/11/07																								
XT_1007	Commission - FEE Diagnostic Tank	10	08/22/08	09/05/08																								
XT_1015	Commission - Ion Pumped Tank	10	08/22/08	09/05/08																								
XT_736	Commission - Direct Imager	10	08/22/08	09/05/08																								

