

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish						
					2004	2005	2006	2007	2008	2009
1 LCLS PROJECT - PED & CONSTRUCTION										
1.01 LCLS PROJECT MGMT, PLANNING & ADMN (TEC)										
MS1_PM000	CD0 - Approve Mission Need	0		17JUN01A						
MS1_PM005	CD1 - Approve Preliminary Baseline Range	0		16OCT02A						
MS3_PM025	Advanced Procurement Management Plan Complete	0		28FEB04A	◆					
MS2_PM045	Prelim Safety Assessment (PSAD) Doc Comp	0		30APR04A	◆					
MS3_PM031	Resource Loaded Cost & Schedule (Final) Complete	0		30APR04A	◆					
MS3_PM035	1st Monthly Report (with Earned Value) Submitted	0		30APR04A	◆					
MS3_PM042	Risk Management Plan Complete	0		30APR04A	◆					
MS3_PM045	Prelim Safety Assessment Doc (PSAD) Submitted	0		30APR04A	◆					
MS3_PM050	Project Mgmt Control Syst (PMCS) Review Complete	0		30APR04A	◆					
MS3_PM055	Project Mgmt Plan Complete	0		30APR04A	◆					
MS2_PM035	DOE External Independent Review (EIR) Complete	0	15JUN04A		◆					
MS1_PM015	CD2a - Approve Long-Lead Procurement Budget	0		30JUL04A	◆					
MS_210	FY05 Funding	0		01OCT04*	◆					
PMMS_001	Global Controls Funding Constraint	0	01OCT04		◆					
MS1_PM025	CD3a - Approve Start of Long Lead Procurement	0		29OCT04*	◆					
MS_205	CR Funding	0	03JAN05*		◆					
MS1_PM020	CD2b - Approve Performance Baseline	0		31MAR05*	◆					
MS3_PM040	Fire Hazard Analysis Review @ SLAC	0		29APR05*	◆					
MS2_PM040	Fire Hazard Analysis Approved	0		31MAY05*	◆					
MS_220	FY06 Funding	0		30SEP05*	◆					
MSBS_115	FY05 Shutdown: HW Req'd for Installation	0	03OCT05*		◆					
MSBS_120	FY05 Shutdown Over	0		31OCT05*	◆					
MS1_PM030	CD3b - Approve Start of Construction	0		28FEB06*	◆					
MS2_PM055	Prelim Safety Assessment (PSAD) Doc Approved	0		28FEB06*	◆					
MSBS_125	FY06 Shutdown: HW Req'd for Installation	0	01AUG06*		◆					
MS_235	Swing Procurements Funding	0		29SEP06*	◆					
MS_250	FY07 - Spares Funds Available	0		02OCT06*	◆					
MSBS_130	FY06 Shutdown Over	0		30NOV06*	◆					
MSBS_135	FY07 Shutdown: HW Req'd for Installation	0	04SEP07*		◆					
MSBS_140	FY07 Shutdown Over	0		30NOV07*	◆					
MS2_PM005	Final Safety Analysis Document (FSAD) Approved	0		31MAR08*	◆					
MSBS_145	Start FY08 Shutdown	0	01OCT08*		◆					
MSBS_150	FY08 Shutdown Over	0		02JAN09*	◆					
MS1_PM035	CD4 - Approve Start of Operations	0		31MAR09*	◆					

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**LCLS
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Early Bar
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 Critical Activity

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish							
					2004	2005	2006	2007	2008	2009	
PMLCLS_LOE	LCLS LOE Complete	0		31MAR09*							LCLS LOE Complete
PM_LOE	PM LOE Complete	0		31MAR09							PM LOE Complete
1.01.01 Environment, Safety & Health											
1.01.01.01 Radiation Physics											
PM110_0010	Radiation Physics - PED	243	04OCT04	30SEP05							
PM110_0011	Radiation Physics- CONST	845	03OCT05	30MAR09							
1.01.01.02 ESH Management & Coordination											
PM120_0020	ESH Management & Coordination - PED	243	04OCT04	30SEP05							
PM120_0024	Hazard Analysis Consulting - PED	190	03JAN05	30SEP05							
PM120_0021	ESH Management & Coordination - (Hislop)	151	01MAR05*	30SEP05							
PM120_0023	ESH Management & Coordination - CONST	845	03OCT05	30MAR09							
PM120_0025	Hazard Analysis Consulting - CONST	845	03OCT05	30MAR09							
1.01.01.03 Seismic & Engineering Support											
PM120_0030	Seismic & Engineering - PED	190	03JAN05	30SEP05							
PM120_0031	Seismic & Engineering - CONST	845	03OCT05	30MAR09							
1.01.02 Project Management											
1.01.02.01 SLAC Project Management Office											
MSC_PM000	CRIT: Start Procurement Package - PMCS Support	0		01OCT04A							
PM212_0014	Evaluate RFP for PMCS Support	15	01OCT04	04NOV04							
PM212_0012	Bid Process - RFP for PMCS Support	20	04OCT04	29OCT04							
PM210_0460	SAC/FAC Travel - PED	243	04OCT04	30SEP05							
PM211_0010	Project Director - PED	243	04OCT04	30SEP05							
PM211_0020	Chief Engineer - PED	243	04OCT04	30SEP05							
PM211_0030	Budget/Finance Officer - PED	243	04OCT04	30SEP05							
PM211_0040	Administrative Support - SLAC 1 - PED	243	04OCT04	30SEP05							
PM212_0016	PMCS Support - Maintenance - PED	243	04OCT04	30SEP05							
PM212_0060	Software Licenses - PED	243	04OCT04	30SEP05							
PM212_0070	Computing Support - PED	243	04OCT04	30SEP05							
PM213_0010	SLAC Project Office M&S - PED	243	04OCT04	30SEP05							
PM213_0020	Tele/Video Conferencing - PED	243	04OCT04	30SEP05							
PM213_0030	Computer M&S - PED	243	04OCT04	30SEP05							
PM213_0070	Review Committee Support - PED	243	04OCT04	30SEP05							
PM212_0013	Release RFP for PMCS Support	0		29OCT04							
PM210_0440	Physics Programmatic Travel (R&D)	190	03JAN05	30SEP05							
PM211_0050	Administrative Support - SLAC 2 - PED	190	03JAN05	30SEP05							
PM212_0020	Website Support - PED	190	03JAN05	30SEP05							

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Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	Year						
					2004	2005	2006	2007	2008	2009	
PM212_0030	Relational Database Support - PED	190	03JAN05	30SEP05		▲■■■■■▼	Relational Database Support - PED				
PM212_0040	Procurement Support - PED	190	03JAN05	30SEP05		▲■■■■■▼	Procurement Support - PED				
PM212_0050	QA/QC Support - PED	190	03JAN05	30SEP05		▲■■■■■▼	QA/QC Support - PED				
PM212_0080	Recruiting/Relocation Support - PED	190	03JAN05	30SEP05		▲■■■■■▼	Recruiting/Relocation Support - PED				
PM213_0040	Misc. Shipping/Storage Costs - PED	190	03JAN05	30SEP05		▲■■■■■▼	Misc. Shipping/Storage Costs - PED				
PM213_0050	Project Related Travel - PED	190	03JAN05	30SEP05		▲■■■■■▼	Project Related Travel - PED				
PM213_0055	Building Refurb/Remodeling @ SLAC - PED	190	03JAN05	30SEP05		▲■■■■■▼	Building Refurb/Remodeling @ SLAC - PED				
PM213_0100	SSRL Physics Support	96	01FEB05*	16JUN05		▲■■■▼	SSRL Physics Support				
PM211_0060	Photon System Manager - PED	170	01FEB05*	30SEP05		▲■■■■■▼	Photon System Manager - PED				
PM211_0025	E-Beam Systems Manager - PED	151	01MAR05*	30SEP05		▲■■■■■▼	E-Beam Systems Manager - PED				
PM211_0011	Project Director - CONST	845	03OCT05	30MAR09	Project Director - CONST	▲■■■■■▼					
PM211_0021	Chief Engineer - CONST	845	03OCT05	30MAR09	Chief Engineer - CONST	▲■■■■■▼					
PM211_0027	E-Beam Systems Manager - CONST	845	03OCT05	30MAR09		▲■■■■■▼	E-Beam Systems Manager - CONST				
PM211_0031	Budget/Finance Officer - CONST	845	03OCT05	30MAR09		▲■■■■■▼	Budget/Finance Officer - CONST				
PM211_0041	Administrative Support - SLAC 1 - CONST	845	03OCT05	30MAR09		▲■■■■■▼	Administrative Support - SLAC 1 - CONST				
PM211_0051	Administrative Support - SLAC 2 - CONST	845	03OCT05	30MAR09		▲■■■■■▼	Administrative Support - SLAC 2 - CONST				
PM211_0061	Photon System Manager - CONST	845	03OCT05	30MAR09		▲■■■■■▼	Photon System Manager - CONST				
PM212_0017	PMCS Support - Maintenance - CONST	845	03OCT05	30MAR09		▲■■■■■▼	PMCS Support - Maintenance - CONST				
PM212_0021	Website Support - CONST	845	03OCT05	30MAR09	Website Support - CONST	▲■■■■■▼					
PM212_0031	Relational Database Support - CONST	845	03OCT05	30MAR09		▲■■■■■▼	Relational Database Support - CONST				
PM212_0041	Procurement Support - CONST	845	03OCT05	30MAR09	Procurement Support - CONST	▲■■■■■▼					
PM212_0051	QA/QC Support - CONST	845	03OCT05	30MAR09	QA/QC Support - CONST	▲■■■■■▼					
PM212_0061	Software Licenses - CONST	845	03OCT05	30MAR09	Software Licenses - CONST	▲■■■■■▼					
PM212_0071	Computing Support - CONST	845	03OCT05	30MAR09	Computing Support - CONST	▲■■■■■▼					
PM212_0081	Recruiting/Relocation Support - CONST	845	03OCT05	30MAR09		▲■■■■■▼	Recruiting/Relocation Support - CONST				
PM213_0011	SLAC Project Office M&S - CONST	845	03OCT05	30MAR09		▲■■■■■▼	SLAC Project Office M&S - CONST				
PM213_0021	Tele/Video Conferencing - CONST	845	03OCT05	30MAR09		▲■■■■■▼	Tele/Video Conferencing - CONST				
PM213_0031	Computer M&S - CONST	845	03OCT05	30MAR09	Computer M&S - CONST	▲■■■■■▼					
PM213_0041	Misc. Shipping/Storage Costs CONST	845	03OCT05	30MAR09		▲■■■■■▼	Misc. Shipping/Storage Costs CONST				
PM213_0051	Project Related Travel - CONST	845	03OCT05	30MAR09	Project Related Travel - CONST	▲■■■■■▼					
PM213_0060	Building Refurb/Remodeling @ SLAC - CONST	845	03OCT05	30MAR09		▲■■■■■▼	Building Refurb/Remodeling @ SLAC - CONST				
PM213_0071	Review Committee Support - CONST	845	03OCT05	30MAR09		▲■■■■■▼	Review Committee Support - CONST				
1.01.03 Technical Integration											
1.01.03.02 Global Alignment Coordination											
PM300_0050	Global Alignment Coordination - PED	190	03JAN05	30SEP05		▲■■■■■▼	Global Alignment Coordination - PED				
PM100_0000	Global Laser Coordination - PED	170	01FEB05*	30SEP05		▲■■■■■▼	Global Laser Coordination - PED				
PM300_0160	Procure Surface Network Components	120	03OCT05	07APR06		▲■■■■■▼	Procure Surface Network Components				



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					2004	2005	2006	2007	2008	2009	
PM300_0150	Surface Network Oversight and Integration	484	03OCT05	28SEP07							
PM300_0170	Install and Measure Surface Network	484	03OCT05	28SEP07							
PM100_0005	Global Laser Coordination - CONST	845	03OCT05	30MAR09							
PM300_0051	Global Alignment Coordination - CONST	845	03OCT05	30MAR09							
1.01.03.03 System Integration											
PM300_0060	Installation Coordination - PED	190	03JAN05	30SEP05							
PM300_0062	Design Supervisor - PED	170	01FEB05*	30SEP05							
PM300_0061	Installation Coordination - CONST	845	03OCT05	30MAR09							
PM300_0063	Design Supervisor - CONST	845	03OCT05	30MAR09							
1.01.03.05 Global Controls											
PM512_0001	Global Controls Management - PED	243	01OCT04	29SEP05							
PM512_0020	Write low level application SW Rqrmts - PED	243	18OCT04*	14OCT05							
PM512_0030	High Level Application Programming - 1st Phase	126	03JAN05*	30JUN05							
PM509_0015	Define Power Conv Spec Requirements	5	01FEB05*	07FEB05							
PM512_0050	SLAC Place Order Beam Instrument Cntls & Test Equ	45	01FEB05*	05APR05							
PM02020044	Design LLRF - Combined	126	01FEB05*	29JUL05							
PM507_0001	Design Vacuum Controls	145	01FEB05*	25AUG05							
PM50307006	Design BPMs	149	01FEB05*	31AUG05							
PM512_0010	Global Controls System Administrator - PED	190	01FEB05*	28OCT05							
PM512_0045	LCLS Beam Instrumentatn Cntls & Test Equip FY05	190	01FEB05*	28OCT05							
PM509_0006	Design Power Supply - NEW	196	01FEB05*	07NOV05							
PM503	E-Beam Diagnostics & Controls Summary Task	431	01FEB05	26OCT06							
PM509_0020	COMP: Injector Power Conv Spec Requirements	0		07FEB05							
PM509_0035	Prep Bid Pak - Power Supplies - (Dipole Type)	5	08FEB05	14FEB05							
PM509_0040	Prep Bid Pak - Power Supplies - (Trim Type)	5	08FEB05	14FEB05							
PM513_0001	SLC Aware IOC - PED	124	28FEB05	22AUG05							
PM02030411	Design Tune-up Dump Controls	55	01APR05*	17JUN05							
PM512_0055	RCV: Beam Instrument Cntls & Test Equip	0		05APR05							
PM504_0001	Design Gun Laser Controls	66*	02MAY05*	03AUG05							
PM50302006	Design Toroid Controls	77*	02MAY05*	18AUG05							
PM50306011	Design EO Disgnostics	107*	02MAY05*	30SEP05							
PM510_0061	PPS/MPS Design New	167*	02MAY05*	11JAN06							
PM506_0001	Linac Timing Subsystem Design	50	01JUN05*	10AUG05							
PM02030414	COMP: Tune-Up Dump Controls	0		17JUN05							
PM02030311	Design Faraday Cup Controls	58*	01JUL05*	22SEP05							
PM02030511	Design Profile Monitors	58*	01JUL05*	22SEP05							
PM50301001	Design Linac Wire Scanners	73*	01JUL05*	13OCT05							

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▶ Early Bar
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Activity ID	Activity Description	Orig Dur	Early Start	Early Finish							
					2004	2005	2006	2007	2008	2009	
PM512_0035	High Level Application Programming - PED	64	01AUG05*	28OCT05							
PM504_0005	COMP: Gun Laser Controls Design	0		03AUG05							
PM02020050	COMP: LLRF Design Combined	0		05AUG05*							
PM502_0001	Build RF Boards - Rev .B.C.D	180	08AUG05*	08MAY06							
PM502_0005	Write First Article RF S/W Documentation	200	08AUG05*	06JUN06							
PM506_0005	COMP: Controls Design - Linac Timing	0		10AUG05							
PM50302007	COMP: Toroid Controls Design	0		18AUG05							
PM507_0005	COMP: Vacuum Controls Design	0		25AUG05							
PM507_0010	First Article Vacuum Software	220	26AUG05	25JUL06							
PM50307007	COMP: BPM Design	1	01SEP05	01SEP05							
PM50307015	Procure Prototype Board & Parts	63	02SEP05	02DEC05							
PM02030314	COMP: Faraday Cup Controls Design	0		22SEP05							
PM02030514	COMP: Profile MonitorDesign	0		22SEP05							
PM50303001	Write First Article SW - Faraday Cups	80	23SEP05	01FEB06							
PM50307010	Write First Article S/W for BPMs	213	30SEP05*	17AUG06							
PM50302010	Write First Article SW - Toroid	47	03OCT05*	08DEC05							
PM50309001	Design Bunch Length Monitors	61	03OCT05*	12JAN06							
PM50306012	Design EO Diagnostics - CON	81	03OCT05	10FEB06							
PM512_0005	Global Controls Management - CONST	845	03OCT05*	30MAR09							
PM50310001	Design Beam Loss Monitors	51	04OCT05	15DEC05							
PM50308001	Design Linac Stoppers	56	04OCT05*	06JAN06							
PM50301005	COMP: Linac Wire Scanner Dsgn - Release for Fab	0		13OCT05							
PM50301010	Write First Article SW	20	14OCT05	10NOV05							
PM512_0040	High Level Application Programming - CONST	242	31OCT05	27OCT06							
PM512_0046	LCLS Beam Instrumentatn Cntls & Test Equip FY06	251	31OCT05	27OCT06							
PM512_0015	Global Controls System Administrator - CONST	750	31OCT05	02DEC08							
PM509_0010	COMP: Power Supply Design	0		07NOV05							
PM509_0012	Write First Article S/W for Power Supplies	100	08NOV05	17APR06							
PM50307025	RCV: design board & parts	0		02DEC05							
PM50310005	COMP: Controls Design - Beam Loss Monitors	0		15DEC05							
PM512_0025	Write low level application SW Rqrmnts - CONST	232	03JAN06*	01DEC06							
PM50308005	COMP: Controls Design - Stoppers	0		06JAN06							
PM50309005	COMP: Controls Design - Bunch Length Monitors	0		12JAN06							
PM510_0062	COMP: PPS/MPS Design	1	12JAN06	12JAN06							
PM50305010	Write First Article S/W for Profile Monitors	189	31JAN06*	26OCT06							
PM50306013	COMP: EO Diagnostics	1	13FEB06	13FEB06							
PM50306025	SLAC Place Order 1 Set E/O Diagnostic Cntrls	3	14FEB06	16FEB06							



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					2004	2005	2006	2007	2008	2009	
PM50306020	Procure 1 Set E/O Diagnostic Cntrls H/W & Cables	20	14FEB06	14MAR06			▲▼ Procure 1 Set E/O Diagnostic Cntrls H/W & Cables				
PM50306015	Write First Article for E/O Diagnostics	150	14FEB06	15SEP06			▲▼ Write First Article for E/O Diagnostics				
PM50306030	RCV: Procured & fabricated parts - EO Diag Cntrl	0		14MAR06			◆ RCV: Procured & fabricated parts - EO Diag Cntrl				
PM505_0001	Design Laser Heater Controls	120	12APR06	29SEP06			▲▼ Design Laser Heater Controls				
PM502_0010	Build First Article Hardware	61	09MAY06	03AUG06			▲▼ Build First Article Hardware				
PM505_0005	COMP: Laser Heater Controls Design	0		29SEP06			◆ COMP: Laser Heater Controls Design				
PM512_0065	SLAC Place Order Controls Upgrade	30	03OCT06	13NOV06			▲▼ SLAC Place Order Controls Upgrade				
PM512_0060	SLAC MCC Controls Upgrade	246	03OCT06*	05OCT07			▲▼ SLAC MCC Controls Upgrade				
PM512_0047	LCLS Beam Instrumentatn Cntrls & Test Equip FY07	251	30OCT06	26OCT07	LCLS Beam Instrumentatn Cntrls & Test Equip FY07						
PM512_0041	High Level Application Programming - CONST	251	30OCT06	08NOV07	High Level Application Programming - CONST						
PM512_0070	RCV: Controls Upgrade	0		13NOV06			◆ RCV: Controls Upgrade				
PM512_0026	Write Low Level application SW Rqrmnts - Const	218	17JAN07*	26NOV07	Write Low Level application SW Rqrmnts - Const						
MS3_IJ120	Laser Heater Installation Complete	0		26NOV07*			◆ Laser Heater Installation Complete				

1.01.04 Education Support

1.01.04.01 Education/Outreach Travel

PM400_0030	Education Support - PED	190	03JAN05	30SEP05			▲▼ Education Support - PED				
PM400_0031	Education Support - CONST	845	03OCT05	30MAR09	Education Support - CONST						

1.01.04.02 Education/Outreach M&S

PM400_0040	Education/Outreach M&S - PED	190	03JAN05	30SEP05			▲▼ Education/Outreach M&S - PED				
PM400_0041	Education/Outreach M&S - CONST	845	03OCT05	30MAR09	Education/Outreach M&S - CONST						

2 LCLS PROJECT - R&D, SPARES, COMMISSIONING

2.01 LCLS PROJECT MGMT, PLANNING & ADMN (OPC)

2.01.01 Physics Support (OPC)

2.01.01.01 SAC-MAC Physics

PM210_0290	Physics Group Leader (R&D)	190	03JAN05	30SEP05			▲▼ Physics Group Leader (R&D)				
PM210_0360	Physics Group Leader (PreOps)	845	03OCT05	30MAR09	Physics Group Leader (PreOps)						

2.01.01.02 Injector Physics

PM210_0300	Injector Physicists (R&D)	243	04OCT04	30SEP05			▲▼ Injector Physicists (R&D)				
PM210_0375	Laser & RF Gun Physics Development (R&D)	243	04OCT04	30SEP05			▲▼ Laser & RF Gun Physics Development (R&D)				
PM210_0370	Injector Physicists (PreOps)	845	03OCT05	30MAR09	Injector Physicists (PreOps)						
PM210_0385	Laser & RF Gun Physics Development (PreOps)	845	03OCT05	30MAR09	Laser & RF Gun Physics Development (PreOps)						

2.01.01.03 Linac Physics

PM210_0310	Linac Physicists (R&D)	243	04OCT04	30SEP05			▲▼ Linac Physicists (R&D)				
PM210_0380	Linac Physicists (PreOps)	845	03OCT05	30MAR09	Linac Physicists (PreOps)						

2.01.01.04 Undulator Physics

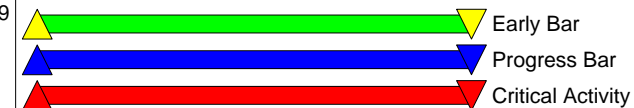
PM210_0320	Undulator Physicists (R&D)	243	04OCT04	30SEP05			▲▼ Undulator Physicists (R&D)				
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PM210_0390	Undulator Physicists (PreOps)	845	03OCT05	30MAR09	Undulator Physicists (PreOps)					
2.01.01.05 X-Ray Transport Physics										
PM210_0330	X-Ray Transport Physicists (R&D)	243	04OCT04	30SEP05	X-Ray Transport Physicists (R&D)					
PM210_0400	X-Ray Transport Physicists (PreOps)	845	03OCT05	30MAR09	X-Ray Tran					
2.01.01.06 X-Ray Endstation Physics										
PM210_0340	X-Ray Endstation Physicists (R&D)	243	04OCT04	30SEP05	X-Ray Endstation Physicists (R&D)					
PM210_0410	X-Ray Endstation Physicists (PreOps)	845	03OCT05	30MAR09	X-Ray End					
2.01.01.07 Conventional Facilities Physics										
PM210_0350	Conventional Facility Physicists (R&D)	243	04OCT04	30SEP05	Conventional Facility Physicists (R&D)					
PM210_0420	Conventional Facility Physicists (PreOps)	845	03OCT05	30MAR09	Conventio					
2.01.01.08 Consulting Physics (Collaboration)										
PM210_0240	Consulting Collaboration Physicists (R&D)	243	04OCT04	30SEP05	Consulting Collaboration Physicists (R&D)					
PM210_0430	Consulting Collaboration Physicists (PreOps)	845	03OCT05	30MAR09	Consulting					
2.01.01.09 Consulting Physics (SLAC)										
PM210_0130	Consulting SLAC Physicists (R&D)	243	04OCT04	30SEP05	Consulting SLAC Physicists (R&D)					
PM210_0270	Consulting SLAC Physicists (PreOps)	845	03OCT05	30MAR09	Consulting					
2.01.01.10 Global Controls Physics Liaison										
PM210_0250	Global Controls Physicists Liaison (R&D)	243	04OCT04	30SEP05	Global Controls Physicists Liaison (R&D)					
PM210_0280	Global Controls Physicists Liaison (PreOps)	845	03OCT05	30MAR09	Global Co					
2.01.01.11 Global Controls OPC										
PM22210001	Define Injector Timing Module Reqmts CE	40	01OCT04	29NOV04	Define Injector Timing Module Reqmts CE					
PM22210129	SLC Aware IOC	92	01OCT04	25FEB05	SLC Aware IOC					
PM11C_001	Global Controls Management - OPC FY05	243	01OCT04	29SEP05	Global Controls Management - OPC FY05					
PM22210125	Fabricate 1st Articles	62	03JAN05*	31MAR05	Fabricate 1st Articles					
PM22210000	Define Injector Timing module Reqmts CP	54	01MAR05*	13MAY05	Define Injector Timing module Reqmts CP					
PM22210005	COMP: Injector Timing Module Rqmts Def	0		13MAY05	COMP: Injector Timing Module Rqmts Def					
PM22210010	Prep Bid Pak-Injector Timing modules	20	16MAY05	13JUN05	Prep Bid Pak-Injector Timing modules					
PM22210015	RELEASE: RFP-Injector Timing modules	0		13JUN05	RELEASE: RFP-Injector Timing modules					
PM22210020	Vendors Prep Prop-Injector Timing Modules	21	14JUN05	13JUL05	Vendors Prep Prop-Injector Timing Modules					
PM22210025	RCV: Prop-Injector Timing modules	0		13JUL05	RCV: Prop-Injector Timing modules					
PM22210030	Evaluate Vendor Proposals	10	14JUL05	27JUL05	Evaluate Vendor Proposals					
PM22210045	Manage/Work with Vendor	70	28JUL05	03NOV05	Manage/Work with Vendor					
PM11C_002	Global Controls Management - OPC FY06 forward	826	31OCT05*	31MAR09	Global Co					
PM22210050	RCV: Injector Timing Modules from Vendor	0		03NOV05	RCV: Injector Timing Modules from Vendor					
PM22210070	Write Test Docs - Injector Timing modules	5	04NOV05	10NOV05	Write Test Docs - Injector Timing modules					
PM22210065	Procure cables	21	04NOV05	06DEC05	Procure cables					
PM22210060	Procure VME crate (1) w/IOC(1), VxWorks license	42	04NOV05	20JAN06	Procure VME crate (1) w/IOC(1), VxWorks license					

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Activity ID	Activity Description	Orig Dur	Early Start	Early Finish							
					2004	2005	2006	2007	2008	2009	
PM22210080	RCV: Procured parts	0		20JAN06			◆ RCV: Procured parts				
PM22210083	Assemble procured parts	18	23JAN06	15FEB06			▲ Assemble procured parts				
PM22210085	AVAIL: Test Stand Installed in Test Lab	0		15FEB06			◆ AVAIL: Test Stand Installed in Test Lab				
PM22210116	Implement Fast-feedback in the IOC	120	13JUL06	17JAN07			▲ Implement Fast-feedback in the IOC				
PM22210160	Write Test S/W - Injector Timing modules	10	02OCT06*	13OCT06			▲ Write Test S/W - Injector Timing modules				
PM20101A05	RF Conditioning Controls Commissioning	45	02OCT06*	05DEC06			▲ RF Conditioning Controls Commissioning				
PM22210090	Procure Master & Distributed Timing Hardware	63	03OCT06	17JAN07			▲ Procure Master & Distributed Timing Hardware				
PM22210095	Procure Splitter to Main Drive Line (MDL) 476 MH	63	03OCT06	17JAN07			▲ Procure Splitter to Main Drive Line (MDL) 476 MH				
PM22210100	Procure Fiducial Output Module	63	03OCT06	17JAN07			▲ Procure Fiducial Output Module				
PM22210105	Procure Fiducial RF Amplifier	63	03OCT06	17JAN07			▲ Procure Fiducial RF Amplifier				
PM22210110	Procure SLCnet cable to MPG micro 360 Hz signal	63	03OCT06	17JAN07			▲ Procure SLCnet cable to MPG micro 360 Hz signal				
PM22210115	Procure Timing System Heliac Cableplant	63	03OCT06	17JAN07			▲ Procure Timing System Heliac Cableplant				
PM20101B20	Linac Controls Optimization Commissioning	247	03OCT06*	08OCT07			▲ Linac Controls Optimization Commissioning				
PM22210165	Integrate software & hardware	10	16OCT06	27OCT06			▲ Integrate software & hardware				
PM20101B05	L1-BC1 Controls Commissioning	28	09NOV06	04JAN07			▲ L1-BC1 Controls Commissioning				
PM22210003	Controls Commissioning	210	06DEC06	17OCT07			▲ Controls Commissioning				
PM20101A35	Injector Controls Optimization Commissioning	247	15DEC06*	07JAN08			▲ Injector Controls Optimization Commissioning				
PM22210117	Port Fast-feedbac software from Kissnet to Ether	20	18JAN07	14FEB07			▲ Port Fast-feedbac software from Kissnet to Ether				
PM22210055	Procure SLCnet cable to MPG micro 360 Hz signal	10	15FEB07	01MAR07			▲ Procure SLCnet cable to MPG micro 360 Hz signal				
PM22210075	Install access to PEP-II timing signal, control	1	02MAR07	02MAR07			▲ Install access to PEP-II timing signal, control				
PM22210170	Integrate with SLC Timing Sys	20	05MAR07	30MAR07			▲ Integrate with SLC Timing Sys				
PM22210175	Perform lab tests on Injector Timing modules	20	05MAR07	30MAR07			▲ Perform lab tests on Injector Timing modules				
PM22210180	AVAIL: Injector Timing Ready for Install	0		30MAR07			◆ AVAIL: Injector Timing Ready for Install				
PM20101A15	RF Gun Ops with Beam-Controls Comissioning-B	14	09JUL07	26JUL07			▲ RF Gun Ops with Beam-Controls Comissioning-B				
PM20101A10	RF Gun Ops with Beam-Controls Comissioning-A	65	09JUL07	08OCT07			▲ RF Gun Ops with Beam-Controls Comissioning-A				
PM20101A20	L0-1&L0-2 Controls Commissioning	65	29OCT07	15FEB08			▲ L0-1&L0-2 Controls Commissioning				
PM20101A30	DL1 Controls Commissioning	28	09NOV07	07JAN08			▲ DL1 Controls Commissioning				
PM20101A25	L0&SAB Controls Commissioning	24	26NOV07	14JAN08			▲ L0&SAB Controls Commissioning				
PM20101B10	L2-BC2-L3 Controls Commissioning	35	11DEC07	14FEB08			▲ L2-BC2-L3 Controls Commissioning				
PM20101B15	LTU + Dump Controls Commissioning	38	15FEB08	09APR08			▲ LTU + Dump Controls Commissioning				
2.01.02 R&D Studies & Prototyping											
2.01.02.01 R&D Studies & Prototyping											
PM210_0260	R&D Studies & Prototyping	243	04OCT04	30SEP05			▲ R&D Studies & Prototyping				
PM210_0265	Low Level Applications R&D	190	03JAN05	30SEP05			▲ Low Level Applications R&D				
PM210_0275	Low Level Applications Commissioning	845	03OCT05	30MAR09			▲ Low Level Applications Commissioning				

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Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	2004	2005	2006	2007	2008	2009
2.01.03 Project Mgmt, Planning and Admn - M&S (OPC)										
2.01.03.01 SLAC Project Office - General (R&D)										
PM213_0000	Project Director - R&D	243	04OCT04	30SEP05	Project Director - R&D					
PM213_0005	Chief Engineer - R&D	243	04OCT04	30SEP05	Chief Engineer - R&D					
PM213_0015	Budget/Finance Officer - R&D	243	04OCT04	30SEP05	Budget/Finance Officer - R&D					
PM213_0025	Administrative Support - SLAC 1 - R&D	243	04OCT04	30SEP05	Administrative Support - SLAC 1 - R&D					
PM213_0007	E-Beam Systems Oversight Manager - R&D	151	01MAR05*	30SEP05	E-Beam Systems Oversight Manager - R&D					
2.01.03.03 Project Mgmt, Planning and Admn - M&S (OPC)										
PM210_0450	Physics Programmatic Travel (PreOps)	845	03OCT05	30MAR09	Physics Programmatic Travel (PreOps)					
PM210_0470	SAC/FAC Travel (PreOps)	845	03OCT05	30MAR09	SAC/FAC Travel (PreOps)					
PM210_0510	SLAC Linac Legacy Upgrades	242	02OCT06*	28SEP07	SLAC Linac Legacy Upgrades					
PM210_0480	Pre-ops Electrical Power Usage (1.5k hrs) - 2007	241	03OCT06*	28SEP07	Pre-ops Electrical Power Usage (1.5k hrs) - 2007					
PM210_0490	Pre-ops Electrical Power Usage (3.0k hrs) - 2008	242	02OCT07*	30SEP08	Pre-ops Electrical Power Usage (3.0k hrs) - 2008					
PM210_0494	Additional Startup Costs-FY08	242	02OCT07*	30SEP08	Additional Startup Costs-FY08					
PM210_0515	Control Room Support	203	02JUN08*	30MAR09	Control Room Support					
PM210_0495	Pre-ops Electrical Power Usage (3.0k hrs) - 2009	118	01OCT08	30MAR09	Pre-ops Electrical Power Usage (3.0k hrs) - 2009					
PM210_0497	Additional Startup Costs-FY09	118	02OCT08*	31MAR09	Additional Startup Costs-FY09					

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