

Activity ID	Activity Description	Orig Dur	Total Float	PTS	WP	Early Start	Early Finish	Resource ID	Budgeted Cost	FY08		FY09		FY10		FY11		FY12	
<b>1.4 X-RAY CORRELATION SPECTROSCOPY (XCS)</b>																			
XCS140005	PIDR - Prelim Instrument Design Review - XCS	0					07/28/08A		0.00	◆ PIDR - Prelim Instrument Design Review - XCS									
XCS140010	XCS Final Design Complete	0	699				09/02/09		0.00	◆ XCS Final Design Complete									
XCS140015	XCS Detector (BNL) Ready for Installation	0	52				10/13/11		0.00	XCS Detector (BNL) Ready for Installation◆									
XCS140020	XCS Final Installation Complete	0	52				12/15/11		0.00	XCS Final Installation Complete◆									
<b>1.4.01 XCS System Integration &amp; Design</b>																			
<b>01 MIE Funds</b>																			
<b>9100361 XCS Physics Supt &amp; Engr FY07 and FY08-Q1&amp;Q2</b>																			
XCS1410005	XCS Physics Support FY08-Q1 & Q2	121		01	9100361	10/01/07A	03/31/08A	HIST_M&S, HIST_LBR	109,119.00	■ XCS Physics Support FY08-Q1 & Q2									
<b>9110411 XCS System Integration &amp; Design Support</b>																			
XCS1401005	START: XCS System Integ & Design (Rebaseline)	0		01	9110411	06/02/08A			0.00	◆ START: XCS System Integ & Design (Rebaseline)									
XCS1401009	Apr08 through Sep08 Plan Adjustment	21		01	9110411	09/01/08A	09/30/08A	HIST_LBR, HIST_M&S	243,376.51	■ Apr08 through Sep08 Plan Adjustment									
XCS1401010	XCS Physics Support FY09-Q1 & Q2	118	126	01	9110411	10/01/08A	03/31/09	SL_PHSS	33,233.36	■ XCS Physics Support FY09-Q1 & Q2									
XCS1401030	XCS Engr Integration & Spt FY08-Q3 & Q4	87		01	9110411	06/02/08A	09/30/08A	SL_MEE	0.00	■ XCS Engr Integration & Spt FY08-Q3 & Q4									
XCS1401035	XCS Engr Integration & Support FY09-Q1 & Q2	118	126	01	9110411	10/01/08A	03/31/09	SL_MEE	50,381.73	■ XCS Engr Integration & Support FY09-Q1 & Q2									
XCS1401055	Lab Supplies FY08-Q3 & Q4	87		01	9110411	06/02/08A	09/30/08A	SL_MSCS	0.00	■ Lab Supplies FY08-Q3 & Q4									
XCS1401060	Lab Supplies FY09-Q1 & Q2	118	126	01	9110411	10/01/08A	03/31/09	SL_MSCS	5,350.00	■ Lab Supplies FY09-Q1 & Q2									
XCS1401085	XCS Vendor Visits FY09-Q1 & Q2	118	126	01	9110411	10/01/08A	03/31/09	SL_TRVL	1,800.00	■ XCS Vendor Visits FY09-Q1 & Q2									
XCS1401115	XCS Design Support FY08-Q3 & Q4	87		01	9110411	06/02/08A	09/30/08A	SL_MDD	0.00	■ XCS Design Support FY08-Q3 & Q4									
XCS1401120	XCS Design Support FY09-Q1 & Q2	118	126	01	9110411	10/01/08A	03/31/09	SL_MDD	21,518.58	■ XCS Design Support FY09-Q1 & Q2									
XCS1401145	Prep for Prelim Instrument Design Review - XCS	40		01	9110411	06/02/08A	07/25/08A	SL_MEE, SL_ME, SL_MD	0.00	■ Prep for Prelim Instrument Design Review - XCS									
XCS1401150	PIDR - Prelim Instrument Design Review - XCS	1		01	9110411	07/28/08A	07/28/08A	SL_MEE, SL_ME, SL_MD	0.00	◆ PIDR - Prelim Instrument Design Review - XCS									
XCS1401151	COMP: Prelim Instrument Design Review - XCS	0		01	9110411		07/28/08A		0.00	◆ COMP: Prelim Instrument Design Review - XCS									
XCS1410000	XCS Physics Support FY07	19		01	9110411	09/04/07A	09/28/07A		0.00	■ XCS Physics Support FY07									
XCS1410010	XCS Physics Support FY08-Q3 & Q4	131		01	9110411	04/01/08A	09/30/08A	SL_PHSS	0.00	■ XCS Physics Support FY08-Q3 & Q4									
XCS1411000	Generate PRD - XCS	49		01	9110411	06/02/08A	07/25/08A	SL_MEE, SL_ME	0.00	■ Generate PRD - XCS									
XCS1411005	COMP: PRD Released - XCS System	0		01	9110411		07/25/08A		0.00	◆ COMP: PRD Released - XCS System									
XCS1411010	Generate ESD - XCS	45		01	9110411	08/15/08A	11/17/08A	SL_ME, SL_MD, SL_MEE	0.00	■ Generate ESD - XCS									
XCS1411015	COMP: XCS ESD Released	0		01	9110411		02/06/09A		0.00	◆ COMP: XCS ESD Released									
<b>02 ARRA Funds</b>																			
<b>9120411 XCS System Integration &amp; Design Support</b>																			
XCS1401012	XCS Physics Support FY09-Q3 & Q4	131	126	02	9120411	04/01/09	09/30/09	SL_PHSS	33,233.36	■ XCS Physics Support FY09-Q3 & Q4									






























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XCS1402705	REQD: Dsn Reqmts-XCS Hutch Spts, Tables&Shield	0	8	02	9120422	04/06/09			0.00						REQD: Dsn Reqmts-XCS Hutch Spts, Tables&Shield																			
XCS1402710	Prelim Design & Analysis - Long Table	40	8	02	9120422	04/06/09	05/29/09	SL_MDD, SL_MEE	32,273.60						Prelim Design & Analysis - Long Table																			
XCS1402715	Prep for PDR - Long Table	15	8	02	9120422	05/11/09	05/29/09	SL_MDD, SL_MEE	5,475.80						Prep for PDR - Long Table																			
XCS1402720	PDR - Prelim Design Review - XCS Long Table	1	8	02	9120422	06/01/09	06/01/09	SL_MDD, SL_MEE	806.84						PDR - Prelim Design Review - XCS Long Table																			
XCS1402725	COMP: Prelim Design Review - XCS Long Table	0	8	02	9120422		06/01/09		0.00						COMP: Prelim Design Review - XCS Long Table																			
XCS1402730	Final Design & Analysis Long Table	40	267	02	9120422	06/02/09	07/27/09	SL_MDD, SL_MEE	23,050.40						Final Design & Analysis Long Table																			
XCS1402735	Prep for FDR - Long Table	15	267	02	9120422	07/28/09	08/17/09	SL_MDD, SL_MEE	5,475.80						Prep for FDR - Long Table																			
XCS1402740	FDR - Final Dsn Review- XCS Long Table	1	267	02	9120422	08/18/09	08/18/09	SL_MDD, SL_MEE	806.84						FDR - Final Dsn Review- XCS Long Table																			
XCS1402745	COMP: Final Dsn Review- XCS Long Table	0	267	02	9120422		08/18/09		0.00						COMP: Final Dsn Review- XCS Long Table																			
XCS1402750	Detail Drawings & Spec - Long Table	40	267	02	9120422	08/19/09	10/13/09	SL_MDD	13,951.76						Detail Drawings & Spec - Long Table																			
XCS1402755	Check & Release Dwgs - Long Table	20	267	02	9120422	10/14/09	11/10/09	SL_MDD	7,190.40						Check & Release Dwgs - Long Table																			
<b>9120425 Procurement - Hutch Supports, Table &amp; Shielding</b>																																		
XCS1402760	Procurement Prep - Long Table	20	267	02	9120425	11/11/09	12/10/09	SL_MEE	1,918.56						Procurement Prep - Long Table																			
XCS1402765	AWARD: PO - Fab XCS Long Table	1	251	02	9120425	01/18/10	01/18/10	AWARD	83,799.20						AWARD: PO - Fab XCS Long Table																			
XCS1402770	Vendor Fab - Long Table	30	251	02	9120425	01/19/10	03/01/10	SL_MSEQ	83,799.20						Vendor Fab - Long Table																			
XCS1402775	RCV: Long Table	0	251	02	9120425		03/01/10		0.00						RCV: Long Table																			
<b>9120426 Fab &amp; Assembly - Hutch Supports, Table &amp; Shieldi</b>																																		
XCS1402780	Inspect Procured Parts - Diagnostics Raft	15	251	02	9120426	03/02/10	03/22/10	SL_MES	3,448.00						Inspect Procured Parts - Diagnostics Raft																			
XCS1402785	Machine Jig Plate	10	251	02	9120426	03/23/10	04/05/10	SL_MFMS	4,837.60						Machine Jig Plate																			
XCS1402790	Assemble - XCS Long Table Support	20	251	02	9120426	04/06/10	05/03/10	SL_AT	8,047.20						Assemble - XCS Long Table Support																			
XCS1402795	Drill Granite	8	251	02	9120426	05/04/10	05/13/10	SL_MFMS	3,870.08						Drill Granite																			
XCS1402800	Install Inserts	4	251	02	9120426	05/14/10	05/19/10	SL_AT	1,609.44						Install Inserts																			
XCS1402895	AVAIL: XCS Hutch Spts, Table & Shielding	0	251	02	9120426		05/19/10		0.00						AVAIL: XCS Hutch Spts, Table & Shielding																			
<b>1.4.02.03 XCS Stoppers</b>																																		
<b>02 ARRA Funds</b>																																		
<b>9120427 Design &amp; Engr - XCS Stoppers</b>																																		
XCS1402300	START: XCS Stoppers	1	-13	02	9120427	04/06/09	04/06/09		0.00						START: XCS Stoppers																			
XCS1402305	REQD: Design Reqmts - XCS Stoppers	0	-13	02	9120427	04/07/09			0.00						REQD: Design Reqmts - XCS Stoppers																			
XCS1402310	Generate ESD - XCS Stoppers	20	-13	02	9120427	04/07/09	05/04/09	SL_MEE	4,611.60						Generate ESD - XCS Stoppers																			
XCS1402315	Prelim Design - XCS Stoppers	40	-13	02	9120427	05/05/09	06/29/09	SL_MEE, SL_MDD	19,593.60						Prelim Design - XCS Stoppers																			
XCS1402320	Prep for PDR - XCS Stoppers	15	-13	02	9120427	06/09/09	06/29/09	SL_MDD, SL_MEE	5,475.80						Prep for PDR - XCS Stoppers																			
XCS1402325	PDR - Prelim Design Review - XCS Stoppers	1	-13	02	9120427	06/30/09	06/30/09	SL_MDD, SL_MEE	806.84						PDR - Prelim Design Review - XCS Stoppers																			
XCS1402330	COMP: Prelim Design Review - XCS Stoppers	0	-13	02	9120427		06/30/09		0.00						COMP: Prelim Design Review - XCS Stoppers																			

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XCS1402335	Final Design - XCS Stoppers	30	346	02	9120427	07/01/09	08/11/09	SL_MDD, SL_MEE	11,525.20					Final Design - XCS Stoppers																										
XCS1402340	Generate Assy & Detail Dwgs - XCS Stoppers	15	346	02	9120427	08/12/09	09/01/09	SL_MD, SL_MEE	9,634.60					Generate Assy & Detail Dwgs - XCS Stoppers																										
XCS1402345	Prep for FDR - XCS Stoppers	15	346	02	9120427	08/12/09	09/01/09	SL_MEE, SL_MDD	5,475.80					Prep for FDR - XCS Stoppers																										
XCS1402350	FDR - Final Design Review - XCS Stoppers	1	346	02	9120427	09/02/09	09/02/09	SL_MEE, SL_MDD	806.84					FDR - Final Design Review - XCS Stoppers																										
XCS1402355	COMP: Final Design Review - XCS Stoppers	0	346	02	9120427		09/02/09		0.00					COMP: Final Design Review - XCS Stoppers																										
XCS1402360	Check & Approve Dwgs - XCS Stoppers	10	346	02	9120427	09/03/09	09/16/09	SL_MDD, SL_MD, SL_MEE	4,191.20					Check & Approve Dwgs - XCS Stoppers																										
XCS1402365	Generate Mfg Docs - XCS Stoppers	15	346	02	9120427	09/17/09	10/07/09	SL_MEE	1,869.28					Generate Mfg Docs - XCS Stoppers																										
<b>9120428 Fab &amp; Assembly - XCS Stoppers</b>																																								
XCS1402370	Job Input - XCS Stopper Fabrication	20	346	02	9120428	10/08/09	11/04/09	SL_MFMS	11,973.06					Job Input - XCS Stopper Fabrication																										
XCS1402375	Procure Materials - XCS Stoppers	20	346	02	9120428	10/08/09	11/04/09	SL_MTRL	6,904.06					Procure Materials - XCS Stoppers																										
XCS1402380	Machining - XCS Stopper Parts	60	346	02	9120428	10/08/09	01/15/10	SL_MFMS	40,635.84					Machining - XCS Stopper Parts																										
XCS1402385	Inspection - XCS Stopper Parts	30	346	02	9120428	11/19/09	01/15/10	SL_MES	5,861.60					Inspection - XCS Stopper Parts																										
XCS1402390	Clean - XCS Stopper Parts	15	346	02	9120428	12/14/09	01/15/10	SL_MFPC	6,949.95					Clean - XCS Stopper Parts																										
XCS1402395	Welding - XCS Stopper Parts	15	346	02	9120428	01/18/10	02/05/10	SL_AT	5,331.27					Welding - XCS Stopper Parts																										
XCS1402400	Assemble - XCS Stoppers	60	346	02	9120428	02/08/10	04/30/10	SL_AT	35,005.32					Assemble - XCS Stoppers																										
<b>9120429 Testing - XCS Stoppers</b>																																								
XCS1402405	Vacuum Process - XCS Stoppers	10	346	02	9120429	05/03/10	05/14/10	SL_AT	2,414.16					Vacuum Process - XCS Stoppers																										
XCS1402410	Testing - XCS PM	10	346	02	9120429	05/17/10	05/28/10	SL_CT, SL_AT	2,140.96					Testing - XCS PM																										
XCS1402415	AVAIL: XCS Stoppers	0	346	02	9120429		05/28/10		0.00					AVAIL: XCS Stoppers																										
<b>1.4.03.01 Detector Support and Integration</b>																																								
<b>01 MIE Funds</b>																																								
<b>9110431 Detector Support and Integration</b>																																								
BL 01990	XCS Detector Management FY09	173	116	01	9110431	02/02/09A	03/31/09	BL_SCI03	3,381.99					XCS Detector Management FY09																										
BL 02110	Start XCS Detector MOU	0		01	9110431	01/05/09A			0.00					Start XCS Detector MOU																										
<b>02 ARRA Funds</b>																																								
<b>9120431 Detector Support and Integration</b>																																								
BL 01090	July 2009 Detector Advisory Committee Review	0	1	02	9120431		06/11/09		0.00					July 2009 Detector Advisory Committee Review																										
BL 01100	January 2010 Detector Advisory Committee Review	0	16	02	9120431		11/24/09		0.00					January 2010 Detector Advisory Committee Review																										
BL 01130	Closeout Review	0	107	02	9120431		10/13/11		0.00					Closeout Review																										
BL 01820	XCS Prepare Documentation	60	353	02	9120431	03/03/10	05/25/10	BL_SCI03	0.00					XCS Prepare Documentation																										
BL 01992	XCS Detector Management FY09	131	116	02	9120431	04/01/09	09/30/09	BL_SCI03	27,180.23					XCS Detector Management FY09																										
BL 02028	XCS MOU Technical Addendum FY10	43	116	02	9120431	08/03/09*	09/30/09		0.00					XCS MOU Technical Addendum FY10																										
BL 02030	XCS Detector Management FY10	249	116	02	9120431	10/01/09	09/30/10	BL_SCI03, BL_TRVL	43,848.80					XCS Detector Management FY10																										
BL 02058	XCS MOU Technical Addendum FY11	43	117	02	9120431	08/02/10*	09/29/10		0.00					XCS MOU Technical Addendum FY11																										



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<b>02 ARRA Funds</b>																			
<b>9120433 Detector Application Specific Integrated Circuit</b>																			
BL 01716	XCS ASIC 1 readout detailed design	98	262	02	9120433	04/01/09	08/14/09	BL_EE1	116,159.21										
BL 01717	XCS Completed - ASIC 1 readout detailed design	0	262	02	9120433		08/14/09*		0.00										
BL 01720	XCS ASIC First Article Fabrication run	40	262	02	9120433	08/17/09	10/09/09	BL_MSMA	50,716.00										
BL 01730	XCS Completed - ASIC First Article Fabricated	0	262	02	9120433		10/09/09		0.00										
BL 01732	XCS ASIC 1 Test	30	262	02	9120433	10/12/09	11/20/09	BL_MSMA, BL_EE1, BL_EE2	66,820.80										
BL 01735	XCS ASIC 2 Design	100	262	02	9120433	11/23/09	04/27/10	BL_EE1	111,288.00										
BL 01755	XCS ASIC 2 Fabrication	40	262	02	9120433	04/28/10	06/22/10	BL_MSMA	37,200.00										
BL 01765	XCS ASIC 2 Test	40	262	02	9120433	06/23/10	08/17/10	BL_EE1, BL_EE2	29,620.80										
<b>1.4.03.04 Detector Controls, Electronics and DAQ</b>																			
<b>02 ARRA Funds</b>																			
<b>9120434 Detector Controls, Electronics and DAQ</b>																			
BL 01740	XCS Test PCBs	30	322	02	9120434	08/17/09	09/25/09	BL_ED1	21,986.40										
BL 01750	XCS PCBs Completed	0	322	02	9120434		09/25/09		0.00										
BL 01760	XCS Build Test System	60	322	02	9120434	09/28/09	01/05/10	BL_CPSCT, BL_ME1, BL_MSMA	89,074.44										
BL 01790	XCS Design and Fabrication of PCBs	80	322	02	9120434	01/06/10	04/27/10	BL_EE2, BL_ED1	74,826.24										
BL 01800	XCS Mechanical Housing Design and Fab	20	312	02	9120434	05/12/10	06/08/10	BL_MT1	18,355.20										
BL 01810	XCS Completed - Package design	0	312	02	9120434		06/08/10		0.00										
BL 01970	XCS FPGA Coding	100	352	02	9120434	09/28/09	03/02/10	BL_ME1, BL_CPSCT	86,525.64										
BL 01975	XCS Test with RCE	30	352	02	9120434	03/03/10	04/13/10	BL_ME1, BL_EE2	25,731.60										
BL 01980	XCS DAQ and Controls Completed	0	352	02	9120434		04/13/10		0.00										
<b>1.4.04.01 XCS Diffractometer System</b>																			
<b>01 MIE Funds</b>																			
<b>9110441 Design &amp; Engr - XCS Diffractometer System</b>																			
XCS1404000	START: XCS Diffractometer	1	816	01	9110441	03/23/09	03/23/09		0.00										
XCS1404005	REQD: Design Reqmts-XCS Diffractometer	0	816	01	9110441	03/24/09			0.00										
XCS1404010	Generate ESD - XCS Diff. System	20	19	01	9110441	02/02/09A	03/05/09	SL_MEE	9,223.20										
XCS1404015	ESD Vendors Consultation / Comments	30	19	01	9110441	03/06/09	04/16/09	SL_MEE, SL_MDD	16,136.80										
XCS1404020	Prelim Design & Analysis - Diff. System	20	19	01	9110441	04/17/09	05/14/09	SL_MEE, SL_MDD	13,253.60										
XCS1404025	Prelim Design & Analysis - Diff Base	15	24	01	9110441	04/17/09	05/07/09	SL_MEE, SL_MDD	9,219.40										
XCS1404030	Prelim Design & Analysis - Diff. Other Parts	8	31	01	9110441	04/17/09	04/28/09	SL_MDD, SL_MEE	5,301.44										
XCS1404035	Prep for PDR - XCS Diff. System	8	19	01	9110441	05/05/09	05/14/09	SL_MEE, SL_MDD	5,475.80										
XCS1404040	PDR - Prelim Design Rev - XCS Diff. System	1	19	01	9110441	05/15/09	05/15/09	SL_MEE, SL_MDD	1,613.68										



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XCS1404115	Design Status Review - XCS Diff. System	20	138	02	9120441	10/14/09	11/10/09	SL_MEE, SL_MDD	16,783.20																															 Design Status Review - XCS Diff. System
<b>9120445 Testing - XCS Diffractometer Sys</b>																																								
XCS1404190	Inspect Procured Parts - XCS Diff. System	10	138	02	9120445	09/14/10	09/27/10	SL_MES	1,379.20																										 Inspect Procured Parts - XCS Diff. System					
XCS1404220	Installation & Alignment	10	138	02	9120445	09/28/10	10/11/10	SL_MES	886.08																										 Installation & Alignment					
XCS1404225	In Situ "Sphere of Confusion" Evaluation	10	138	02	9120445	10/12/10	10/25/10	SL_ME	4,718.40																										 In Situ "Sphere of Confusion" Evaluation					
XCS1404230	Controls Intergration & Check-out	10	138	02	9120445	10/26/10	11/08/10	SL_CT	1,658.16																										 Controls Intergration & Check-out					
XCS1404235	AVAIL: XCS Diffractometer Available	0	138	02	9120445		11/08/10		0.00																										 AVAIL: XCS Diffractometer Available					
<b>1.4.04.03 XCS Large Angle Mover &amp; Chamber</b>																																								
<b>01 MIE Funds</b>																																								
<b>9110447 Procurement - XCS Large Angle Mover &amp; Chamber</b>																																								
XCS1404330	Prep Bid Pkg & App - XCS LAM (FOREIGN)	20	269	01	9110447	07/22/09	08/18/09	SL_MEE	4,611.60																										 Prep Bid Pkg & App - XCS LAM (FOREIGN)					
XCS1404335	RELEASE: RFP - XCS LAM (FOREIGN)	0	269	01	9110447		08/18/09		0.00																										 RELEASE: RFP - XCS LAM (FOREIGN)					
XCS1404340	Vendor Proposal Effort - XCS LAM (FOREIGN)	20	269	01	9110447	08/19/09	09/15/09	SL_MEE	4,611.60																										 Vendor Proposal Effort - XCS LAM (FOREIGN)					
XCS1404345	RCV: Vendor Proposal - XCS LAM (FOREIGN)	0	269	01	9110447		09/15/09		0.00																										 RCV: Vendor Proposal - XCS LAM (FOREIGN)					
XCS1404350	Eval & Selection Process - XCS LAM (FOREIGN)	10	269	01	9110447	09/16/09	09/29/09	SL_PHSS, SL_MEE	9,845.20																										 Eval & Selection Process - XCS LAM (FOREIGN)					
XCS1404355	Vendor Selection - XCS LAM (FOREIGN)	0	269	01	9110447	09/30/09			0.00																										 Vendor Selection - XCS LAM (FOREIGN)					
XCS1404360	SLAC Oversight and Integration - XCS Monochromat	120	305	01	9110447	09/30/09	04/01/10	SL_MEE, SL_PHS	33,234.13																										 SLAC Oversight and Integration - XCS Monochromat					
XCS1404365	SLAC Approval Process - XCS LAM (FOREIGN)	10	269	01	9110447	09/30/09	10/13/09		0.00																										 SLAC Approval Process - XCS LAM (FOREIGN)					
XCS1404370	DOE Approval Process - XCS LAM (FOREIGN)	10	269	01	9110447	10/14/09	10/27/09		0.00																										 DOE Approval Process - XCS LAM (FOREIGN)					
XCS1404374	AWARD: XCS LAM (FOREIGN)	1	223	01	9110447	01/18/10	01/18/10	AWARD	670,350.00																										 AWARD: XCS LAM (FOREIGN)					
XCS1404375	Vender: XCS LAM (FOREIGN)	100	258	01	9110447	01/19/10	06/07/10	SL_MSEQ	670,350.00																										 Vender: XCS LAM (FOREIGN)					
XCS1404380	Vendor Kick-off Meeting - XCS LAM	10	223	01	9110447	01/19/10	02/01/10	SL_MEE	1,918.56																										 Vendor Kick-off Meeting - XCS LAM					
XCS1404385	Vendor Preliminary Design - XCS LAM	30	223	01	9110447	02/02/10	03/15/10	SL_MEE	9,592.80																										 Vendor Preliminary Design - XCS LAM					
XCS1404390	PDR - Vendor Prelim Design Review - XCS LAM	5	223	01	9110447	03/16/10	03/22/10	SL_PHSS, SL_TRVL, SL_MEE	13,320.84																										 PDR - Vendor Prelim Design Review - XCS LAM					
XCS1404395	Vendor Final Design - XCS LAM	30	223	01	9110447	03/23/10	05/03/10		0.00																										 Vendor Final Design - XCS LAM					
XCS1404400	Vendor Final Design Review - XCS LAM	5	223	01	9110447	05/04/10	05/10/10	SL_MEE, SL_PHSS, SL_TRVL	13,320.84																										 Vendor Final Design Review - XCS LAM					
XCS1404405	SLAC Approval to Fabricate - XCS LAM	10	223	01	9110447	05/11/10	05/24/10		0.00																										 SLAC Approval to Fabricate - XCS LAM					
XCS1404410	Vendor Fab - XCS LAM (FOREIGN)	40	223	01	9110447	05/25/10	07/19/10		0.00																										 Vendor Fab - XCS LAM (FOREIGN)					
XCS1404415	Vendor Visit Site Acceptance - XCS LAM	5	223	01	9110447	07/20/10	07/26/10	SL_MEE, SL_PHSS, SL_TRVL	13,320.84																										 Vendor Visit Site Acceptance - XCS LAM					
XCS1404420	RCV: XCS LAM (FOREIGN)	0	223	01	9110447		07/26/10		0.00																										 RCV: XCS LAM (FOREIGN)					
XCS1404425	Vendor Installation at SLAC for - XCS LAM (FOREI	20	138	01	9110447	11/23/10	01/05/11	SL_UTR	9,483.20																										 Vendor Installation at SLAC for - XCS LAM (FOREI					



Activity ID	Activity Description	Orig Dur	Total Float	PTS	WP	Early Start	Early Finish	Resource ID	Budgeted Cost	FY08		FY09		FY10		FY11		FY12	
<b>02 ARRA Funds</b>																			
<b>9120446 Design &amp; Engr - XCS Large Angle Mover &amp; Chamber</b>																			
XCS1404300	START: XCS Large Angle Mover & Chamber	0	269	02	9120446	04/01/09			0.00										
XCS1404305	Prepare PRD - XCS LAM (FOREIGN)	20	269	02	9120446	04/01/09	04/28/09	SL_PHSS	10,467.20										
XCS1404310	Approve PRD - XCS LAM (FOREIGN)	10	269	02	9120446	04/29/09	05/12/09	SL_PHSS	523.36										
XCS1404315	Prepare Statement of Work & APP- XCS LAM (FOREIG	20	269	02	9120446	05/13/09	06/09/09	SL_MEE	13,834.80										
XCS1404320	Approve Statement of Work - XCS LAM (FOREIGN)	10	269	02	9120446	06/10/09	06/23/09	SL_MEE	0.00										
XCS1404325	Vendor Qualification Site Visits - XCS LAM (FORE	20	269	02	9120446	06/24/09	07/21/09	SL_MEE, SL_PHSS, SL_TRVL	27,845.20										
<b>1.4.05.01 XCS Hutch Specification</b>																			
<b>01 MIE Funds</b>																			
<b>9110451 Design &amp; Engr - XCS Hutch Specification</b>																			
XCS6600000	START: Hutch Layout and Design	0		01	9110451	06/02/08A			0.00										
XCS6600020	Generate ESD- XCS Hutch Layout	44*		01	9110451	06/02/08A	07/21/08A	SL_MEE	0.00										
XCS6600040	COMP: ESD Released - XCS Hutch Layout	0		01	9110451		07/21/08A		0.00										
XCS6600060	Prelim Layout - XCS Hutch Layout	50		01	9110451	07/01/08A	09/15/08A	SL_MEE	0.00										
XCS6600080	COMP: Prelim Layout - XCS Hutch Layout	0		01	9110451		09/15/08A		0.00										
XCS6600081	Apr08 through Sep08 Plan Adjustment	21		01	9110451	09/01/08A	09/30/08A	HIST_LBR, HIST_M&S	31,440.89										
XCS6600100	REQD: LCLS 30% Drawings	0		01	9110451	11/03/08A			0.00										
XCS6600120	Review 30% drawings	5		01	9110451	11/04/08A	11/10/08A	SL_MEE	9,223.20										
XCS6600140	REQD: LCLS 60% drawings	0		01	9110451	02/02/09A			0.00										
XCS6600160	Review 60% drawings	5		01	9110451	01/15/09A	01/21/09A	SL_MEE	9,223.20										
XCS6600180	REQD: LCLS 90% drawings	0		01	9110451	02/27/09A			0.00										
XCS6600200	Review 90% drawings	3	180	01	9110451	02/27/09A	03/06/09		0.00										
XCS6600220	REQD: LCLS Construction Start	0	120	01	9110451	04/06/09*			0.00										
XCS6600280	REQD: LCLS FEH FDR	0		01	9110451	02/25/09A			0.00										
<b>02 ARRA Funds</b>																			
<b>9120451 Design &amp; Engr - XCS Hutch Specification</b>																			
XCS6600240	Review shop drawings	30	120	02	9120451	06/01/09	07/10/09	SL_MEE	9,223.20										
XCS6600260	COMP: XCS Hutch Layout Review of Drawings	0	120	02	9120451		07/10/09		0.00										
XCS6600300	Generate "As Built" models	30	120	02	9120451	06/01/09	07/10/09	SL_MDD	6,913.60										
XCS6600320	COMP: XCS Hutch Layout	0	120	02	9120451		07/10/09		0.00										
<b>1.4.05.02 XCS Utilities &amp; Hutch Equipment</b>																			
<b>02 ARRA Funds</b>																			
<b>9120452 Design &amp; Engr - XCS Utilities &amp; Hutch Equipment</b>																			
XCS1405100	START: XCS Utilities & Hutch Equipment	0	120	02	9120452	07/13/09			0.00										









Activity ID	Activity Description	Orig Dur	Total Float	PTS	WP	Early Start	Early Finish	Resource ID	Budgeted Cost	FY08				FY09				FY10				FY11				FY12			
XCS1406800	Procurement Prep: XCS Flanges & Fittings	15	459	02	9120465	06/26/09	07/16/09		0.00																				
XCS1406805	AWARD: PO - XCS Flanges & Fittings	1	340	02	9120465	01/18/10	01/18/10	AWARD	7,732.46																				
XCS1406810	Vendor Effort - XCS Flanges & Fittings	60	340	02	9120465	01/19/10	04/12/10	SL_MSEG	7,732.46																				
XCS1406815	RCV: XCS Flanges & Fittings	0	340	02	9120465		04/12/10		0.00																				
<b>9120466 Fab &amp; Assembly - XCS XRT Spools &amp; Bellows</b>																													
XCS1406245	Inspect Procured Parts - XCS Bellows	10	310	02	9120466	04/13/10	04/26/10	SL_AT	2,011.80																				
XCS1406265	Vacuum Process - XCS Bellows	10	310	02	9120466	07/06/10	07/19/10	SL_AT	4,023.60																				
XCS1406290	Inspect Procured Parts - XCS Spools Parts	10	335	02	9120466	04/13/10	04/26/10	SL_AT	4,023.60																				
XCS1406295	Clean - XCS Spools	15	335	02	9120466	04/27/10	05/17/10	SL_MFPC	15,885.60																				
XCS1406300	Vacuum Process - XCS Spools	20	335	02	9120466	05/18/10	06/14/10	SL_AT	12,070.80																				
XCS1406820	Inspect Procured Parts - XCS Flanges and Fitting	10	340	02	9120466	04/13/10	04/26/10	SL_AT	1,609.44																				
XCS1406825	Clean - XCS Flanges and Fitting	10	340	02	9120466	04/27/10	05/10/10	SL_MFPC	4,765.68																				
XCS1406830	Vacuum Process - XCS Flanges & Fittings	20	340	02	9120466	05/11/10	06/07/10	SL_AT	8,047.20																				
XCS1406835	AVAIL: XCS XRT Spools and Bellows Available	0	310	02	9120466		07/19/10		0.00																				
<b>9120941 Design &amp; Engr - XCS XRT Spools &amp; Bellows</b>																													
XCS1406210	Final Design - XCS Spools	10	433	02	9120941	04/06/09	04/17/09	SL_MD, SL_MEE	7,707.68																				
XCS1406215	Generate Detail Drawings - XCS Spools	20	433	02	9120941	04/20/09	05/15/09	SL_MD	7,328.80																				
XCS1406220	Check & Approve Dwgs - XCS Spools	10	433	02	9120941	05/18/09	05/29/09	SL_MDD, SL_MEE, SL_MD	2,346.56																				
XCS1406221	Engineering Support to Procurement Prep	15	429	02	9120941	06/05/09	06/25/09	SL_MEE	1,844.64																				
<b>1.4.06.01.03 XCS XRT Vacuum Supports</b>																													
<b>02 ARRA Funds</b>																													
<b>9120467 Design &amp; Engr - XCS XRT Vacuum Supports</b>																													
XCS1406305	START: XCS XRT Vacuum Supports	0	424	02	9120467	08/28/09			0.00																				
XCS1406310	Engineering Support to Procurement Prep	5	424	02	9120467	08/28/09	09/03/09	SL_MEE	4,611.60																				
<b>9120468 Procurement - XCS XRT Vacuum Supports</b>																													
XCS1406315	Procurement Prep - XCS Bellows & Spools	20	424	02	9120468	09/04/09	10/01/09	SL_MEE	0.00																				
XCS1406320	AWARD: PO - XCS Drift Tube Supports	1	360	02	9120468	01/18/10	01/18/10	AWARD	14,715.00																				
XCS1406325	Vendor Effort - XCS Drift Tube Supports	60	360	02	9120468	01/19/10	04/12/10	SL_MSEQ	14,715.00																				
XCS1406330	RCV: XCS Drift Tube Supports	0	360	02	9120468		04/12/10		0.00																				
XCS1406340	Procurement Prep - XCS Pump Supports	20	434	02	9120468	09/04/09	10/01/09		0.00																				
XCS1406345	AWARD: PO - XCS Pump Supports	1	370	02	9120468	01/18/10	01/18/10	AWARD	19,620.00																				
XCS1406350	Vendor Effort - XCS Pump Supports	60	370	02	9120468	01/19/10	04/12/10	SL_MSEQ	19,620.00																				
XCS1406355	RCV: XCS Pump Supports	0	370	02	9120468		04/12/10		0.00																				









Activity ID	Activity Description	Orig Dur	Total Float	PTS	WP	Early Start	Early Finish	Resource ID	Budgeted Cost	FY08		FY09		FY10		FY11		FY12	
<b>1.4.07.01 XCS XRT Installation</b>																			
<b>02 ARRA Funds</b>																			
<b>9120471 Design &amp; Engr - XCS XRT Installation</b>																			
XCS1407210	Engineering Support - Procurement Prep	40	395	02	9120471	10/01/09	11/25/09	SL_ME, SL_CE	37,560.00										
XCS1407225	Engineering Oversight - Installation	80	459	02	9120471	10/29/09	03/05/10	SL_ME, SL_CE	37,560.00										
<b>9120472 Installation - XCS XRT Installation</b>																			
XCS1407200	START: XCS XRT Installation	0	486	02	9120472	04/01/09			0.00										
XCS1407205	Pre-Installation Planning and Coordination	40	395	02	9120472	08/06/09	09/30/09	SL_ME, SL_CE	36,116.80										
XCS1407211	AWARD: PO - Vender XCS XRT Installation	1	370	02	9120472	01/18/10	01/18/10	AWARD	23,073.12										
XCS1407212	Procurement Prep - Installation Contracts	20	415	02	9120472	10/01/09	10/28/09		0.00										
XCS1407215	Prep for Installation Readiness Review- CXI Inst	20	396	02	9120472	10/01/09	10/28/09	SL_PHS, SL_ME, SL_CE	22,294.80										
XCS1407220	Generate Installation Procedures/Checklists	20	396	02	9120472	10/01/09	10/28/09	SL_ME, SL_CE	18,780.00										
XCS1407230	Refine Network & Monumentation- XRT	20	396	02	9120472	10/29/09	11/25/09	SL_MES	6,896.00										
XCS1407265	Install X-ray tunnel components - XRT Drift	20	370	02	9120472	01/19/10	02/15/10	SL_MSSY, SL_AT, SL_MES, SL_ME	22,824.48										
XCS1407266	RCV: Install X-ray Tunnel Comp - XRT Drift	0	370	02	9120472		02/15/10		0.00										
XCS1407270	Checkout X-Ray tunnel systems - XRT Drift	20	370	02	9120472	02/16/10	03/15/10	SL_CT, SL_AT, SL_ME, SL_CE	8,037.92										
XCS1407275	Hole template layout - XRT Rafts	20	370	02	9120472	03/16/10	04/12/10	SL_MES	3,448.00										
XCS1407280	Core drill holes: XRT Rafts	10	370	02	9120472	04/13/10	04/26/10	SL_MSSY	1,090.00										
XCS1407281	RCV: Core Drill Holes: XRT Drift	0	370	02	9120472		04/26/10		0.00										
XCS1407290	Rig / Transport Diagnostic Components	10	163	02	9120472	02/28/11	03/11/11	SL_AT	12,553.20										
XCS1407291	REQD: Large Offset Monochromator	0	255	02	9120472		10/18/10		0.00										
XCS1407295	Prep for and Install Rafts & Mono	10	163	02	9120472	03/14/11	03/25/11	SL_AT	4,184.40										
XCS1407300	Prep for and Install Diagnostic Components	10	163	02	9120472	03/29/11	04/11/11	SL_AT	12,553.20										
XCS1407301	REQD: Channel Cut Monochromator	0	271	02	9120472		09/24/10		0.00										
XCS1407305	Interconnect Vacuum System	10	163	02	9120472	04/12/11	04/25/11	SL_AT	8,368.80										
XCS1407310	Pump & Leak Check XRT	2	163	02	9120472	04/26/11	04/27/11	SL_AT	4,184.40										
XCS1407315	Final XRT Alignment	5	163	02	9120472	04/28/11	05/04/11	SL_MES	7,171.20										
XCS1407320	Install Component Specific Pwr-Data-Fluid Lines	5	163	02	9120472	05/05/11	05/11/11	SL_CT, SL_AT	9,711.60										
XCS1407325	XRT Vacuum System Functional Checks	10	163	02	9120472	05/12/11	05/25/11	SL_AT, SL_ME, SL_CT, SL_CE	33,428.00										
XCS1407330	XRT Diag/Cm Optics Ctrl/Interlocks Checks	10	163	02	9120472	05/26/11	06/08/11	SL_CT	11,054.40										
XCS1407335	XRT Diag/Cm Optics Functional Checks	10	163	02	9120472	06/09/11	06/22/11	SL_CT, SL_CE, SL_AT, SL_ME	24,525.20										
XCS1407340	Install Local XTT Radiation Shielding	10	163	02	9120472	06/23/11	07/06/11	SL_AT	8,368.80										
XCS1407345	COMP: XCS XRT Installation Complete	0	163	02	9120472		07/06/11		0.00										

Activity ID	Activity Description	Orig Dur	Total Float	PTS	WP	Early Start	Early Finish	Resource ID	Budgeted Cost	Fiscal Years															
										FY08	FY09	FY10	FY11	FY12	FY08	FY09	FY10	FY11	FY12	FY08	FY09	FY10	FY11	FY12	
XCS1407350	Miscellaneous Hardware	1	163	02	9120472	03/28/11	03/28/11	SL_MSSY	5,600.00																X Miscellaneaous Hardware
XCS1407915	REQD: XCS Stoppers	0	346	02	9120472		05/28/10		0.00																REQD: XCS Stoppers
XCS1407925	REQD: XCS XRT Vacuum Equipment Available	0	335	02	9120472		06/14/10		0.00																REQD: XCS XRT Vacuum Equipment Available
XCS1407930	REQD: XCS XRT Spools and Bellows Available	0	310	02	9120472		07/19/10		0.00																REQD: XCS XRT Spools and Bellows Available
XCS1407935	REQD: XCS XRT Vacuum Supports Available	0	360	02	9120472		05/10/10		0.00																REQD: XCS XRT Vacuum Supports Available
XCS1407955	REQD: Common Optics and Diagnostics	1	163	02	9120472	02/25/11	02/25/11		0.00																REQD: Common Optics and Diagnostics
<b>1.4.07.02 XCS Hutch Installation</b>																									
<b>02 ARRA Funds</b>																									
<b>9120473 Design &amp; Engr - XCS Hutch Installation</b>																									
XCS1407560	Procurement Preps - XCS Crane Installation	30	333	02	9120473	10/01/09	11/11/09		0.00																Procurement Preps - XCS Crane Installation
XCS1407575	AWARD: PO - XCS Crane Installation	1	298	02	9120473	01/18/10	01/18/10	AWARD	10,900.00																AWARD: PO - XCS Crane Installation
XCS1407580	Vendor Fab - XCS Crane Installation	20	120	02	9120473	09/24/10	10/21/10	SL_MSEG	11,200.00																Vendor Fab - XCS Crane Installation
XCS1407585	Procurement Preps - Installation Contracts	40	233	02	9120473	10/01/09	11/25/09	SL_ME, SL_CE	37,560.00																Procurement Preps - Installation Contracts
XCS1407600	AWARD: PO - Vender XCS Hutch Installation	1	338	02	9120473	01/18/10	01/18/10	AWARD	76,300.00																AWARD: PO - Vender XCS Hutch Installation
XCS1407615	Procurement Preps - XCS Hutch Fac Drop Floor	30	233	02	9120473	11/30/09	01/22/10	SL_MSEG	22,261.07																Procurement Preps - XCS Hutch Fac Drop Floor
XCS1407630	Procurement Preps - XCS Concrete Work	30	241	02	9120473	02/24/10	04/06/10		0.00																Procurement Preps - XCS Concrete Work
XCS1407635	RCV: Crane Installation	0	120	02	9120473		10/21/10		0.00																RCV: Crane Installation
XCS1407640	AVAIL: XCS Granite Floor for Installation	0	120	02	9120473	10/22/10			0.00																AVAIL: XCS Granite Floor for Installation
XCS1407645	AWARD: PO - XCS Hutch Facilities Drop Floor	1	233	02	9120473	01/25/10	01/25/10	AWARD	22,261.07																AWARD: PO - XCS Hutch Facilities Drop Floor
XCS1407650	Vendor Fab - XCS Hutch Facilities Drop Floor	100	233	02	9120473	01/26/10	06/14/10	SL_MSEG	22,261.07																Vendor Fab - XCS Hutch Facilities Drop Floor
XCS1407655	REQD: XCS Hutch Spools and Bellows Available	0	327	02	9120473		06/29/10		0.00																REQD: XCS Hutch Spools and Bellows Available
XCS1407660	AWARD: PO - XCS Concrete Work	1	241	02	9120473	04/07/10	04/07/10	AWARD	18,530.00																AWARD: PO - XCS Concrete Work
XCS1407665	Vendor Fab - XCS Concrete Work	20	241	02	9120473	04/08/10	05/05/10	SL_MSEG	18,530.00																Vendor Fab - XCS Concrete Work
XCS1407680	RCV: XCS Concrete Work	0	241	02	9120473		05/05/10		0.00																RCV: XCS Concrete Work
XCS1407685	Procurement Preps - XCS Granite Installation	30	353	02	9120473	10/01/09	11/11/09		0.00																Procurement Preps - XCS Granite Installation
XCS1407690	REQD: XCS Hutch Spts, Table & Shielding	0	251	02	9120473		05/19/10		0.00																REQD: XCS Hutch Spts, Table & Shielding
XCS1407695	AWARD: PO - XCS Granite Installation	1	318	02	9120473	01/18/10	01/18/10	AWARD	21,800.00																AWARD: PO - XCS Granite Installation
XCS1407700	Vendor Fab - XCS Granite Installation	20	120	02	9120473	10/22/10	11/18/10	SL_MSEG	22,400.00																Vendor Fab - XCS Granite Installation
XCS1407705	RCV: XCS Granite Installation	0	120	02	9120473		11/18/10		0.00																RCV: XCS Granite Installation
XCS1407710	Procurement Preps - XCS120V, 20a circuits, distr	30	373	02	9120473	10/01/09	11/11/09		0.00																Procurement Preps - XCS120V, 20a circuits, distr
XCS1407715	RCV: XCS Hutch Facilities Drop Floor	0	233	02	9120473		06/14/10		0.00																RCV: XCS Hutch Facilities Drop Floor
XCS1407735	AWARD: PO - XCS 120V, 20a circuits, distribution	1	338	02	9120473	01/18/10	01/18/10	AWARD	1,798.50																AWARD: PO - XCS 120V, 20a circuits, distribution

Activity ID	Activity Description	Orig Dur	Total Float	PTS	WP	Early Start	Early Finish	Resource ID	Budgeted Cost	FY08		FY09		FY10		FY11		FY12	
XCS1407740	Vendor Fab - 120V, 20a circuits, distribution	20	120	02	9120473	11/19/10	01/03/11	SL_MSEG	1,848.00										
XCS1407745	RCV: 120V, 20a circuits, distribution	0	120	02	9120473		01/03/11	SL_MSEG	0.00										
XCS1407750	Procurement Preps - XCS Power & Water to Racks	30	353	02	9120473	11/30/09	01/22/10		0.00										
XCS1407765	AWARD: PO - XCS Power & Water to Racks	1	353	02	9120473	01/25/10	01/25/10	AWARD	21,320.40										
XCS1407770	Vendor Fab - XCS Power & Water to Racks	60	120	02	9120473	01/04/11	03/28/11	SL_MSEG	21,907.20										
XCS1407800	RCV: XCS Power & Water to Racks	0	120	02	9120473		03/28/11		0.00										
<b>9120474 Installation - XCS Hutch Installation</b>																			
XCS1407400	START: XCS Hutch Installation	0	259	02	9120474	07/01/09			0.00										
XCS1407540	AVAIL: Compressed Air Distribution	0	258	02	9120474	04/13/10			0.00										
XCS1407550	Install - FEH H4 floor anchors	20	258	02	9120474	04/13/10	05/10/10	SL_UTR, SL_TMUC	16,309.00										
XCS1407555	AVAIL: XCS Crane for Installation	0	120	02	9120474	09/24/10			0.00										
XCS1407565	Pre-Installation Planning and Coordination	40	233	02	9120474	08/06/09	09/30/09	SL_ME, SL_CE	36,116.80										
XCS1407590	Prep for Installation Readiness Review- CXI Inst	20	273	02	9120474	10/01/09	10/28/09	SL_PHS, SL_ME, SL_CE	22,294.80										
XCS1407595	Generate Installation Procedures/Checklists	20	273	02	9120474	10/29/09	11/25/09	SL_ME, SL_CE	18,780.00										
XCS1407605	Installation Oversight	80	454	02	9120474	11/30/09	04/02/10	SL_ME, SL_CE	37,560.00										
XCS1407610	Pre-installation survey/marketing of XTT/FEH H4	20	273	02	9120474	11/30/09	01/08/10	SL_MES	20,688.00										
XCS1407620	UTR - Granite Work	1	323	02	9120474	01/11/10	01/11/10	SL_UTR	9,118.40										
XCS1407625	UTR - Crane	1	323	02	9120474	01/11/10	01/11/10	SL_UTR	9,118.40										
XCS1407725	Rig / Transport / Install Granite Tables to Hutch	10	169	02	9120474	09/13/10	09/24/10	SL_MSEQ	32,700.00										
XCS1407730	REQD: XCS Hutch Vacuum Available	0	403	02	9120474		03/15/10		0.00										
XCS1407755	Prep for and Install Diffractometer	10	138	02	9120474	11/09/10	11/22/10	SL_MSEG	16,800.00										
XCS1407760	REQD: XCS Diffractometer Available	0	138	02	9120474	11/09/10			0.00										
XCS1407775	REQD: XCS Hutch Vacuum Equipment Available	0	368	02	9120474	05/04/10			0.00										
XCS1407780	Rig / Transport Vacuum Components & Supports to	10	138	02	9120474	01/06/11	01/19/11	SL_AT	8,368.80										
XCS1407785	Rig / Transport Diagnostics & Optics to Hutch	10	138	02	9120474	01/20/11	02/02/11	SL_AT	8,368.80										
XCS1407790	Prep for, Install Vacuum Supports	10	138	02	9120474	02/03/11	02/16/11	SL_AT	8,368.80										
XCS1407795	Grout FEH H4 Support Stands	10	138	02	9120474	02/17/11	03/02/11	SL_UTR, SL_TMUC	3,155.12										
XCS1407815	REQD: XRT DCO Equipment from WBS 1.5	0	198	02	9120474		11/22/10		0.00										
XCS1407820	Prep for and Install Beamline Components	15	120	02	9120474	03/29/11	04/18/11	SL_AT	12,553.20										
XCS1407825	Perform Beamline Rough Alignment	10	120	02	9120474	04/19/11	05/02/11	SL_MES	7,171.20										
XCS1407830	Interconnect Vacuum System	5	120	02	9120474	05/03/11	05/09/11	SL_AT	5,021.28										
XCS1407835	Install Component Specific Pwr-Data-Fluid Lines	5	120	02	9120474	05/10/11	05/16/11	SL_CT, SL_AT	6,948.00										

Activity ID	Activity Description	Orig Dur	Total Float	PTS	WP	Early Start	Early Finish	Resource ID	Budgeted Cost	FY08		FY09		FY10		FY11		FY12		
XCS1407840	Interconnect & Test Pwr-Data-Fluid Lines	5	120	02	9120474	05/17/11	05/23/11	SL_CT, SL_AT	9,711.60					Interconnect & Test Pwr-Data-Fluid Line						
XCS1407845	Pump & Leak Check	5	120	02	9120474	05/24/11	05/30/11	SL_AT	5,021.28									Pump & Leak Check		
XCS1407850	Perform Beamline Fine Alignment	10	120	02	9120474	05/31/11	06/13/11	SL_MES	7,171.20									Perform Beamline Fine Alignment		
XCS1407855	Install Detector Mover & Vacuum Chamber	10	120	02	9120474	06/14/11	06/27/11	SL_MSEQ	28,000.00					Install Detector Mover & Vacuum Chamber						
XCS1407860	Install Det Mvr Pwr-Data-Fluid Lines	5	120	02	9120474	06/28/11	07/04/11	SL_CT, SL_AT	6,948.00									Install Det Mvr Pwr-Data-Fluid Lines		
XCS1407865	Interconnect & Test Det Mvr Pwr-Data-Fluid Lines	5	120	02	9120474	07/05/11	07/11/11	SL_CT, SL_AT	6,948.00					Interconnect & Test Det Mvr Pwr-Data-Fluid Line						
XCS1407870	REQD: BNL Detector & Controls HW/SW	0	52	02	9120474		10/13/11		0.00									REQD: BNL Detector & Controls HW/SW		
XCS1407875	Prep for and Install BNL Detector	30	52	02	9120474	10/14/11	12/01/11		0.00									Prep for and Install BNL Detector		
XCS1407880	Functional Checks - FEH H4 Diag/Cm Optics	10	125	02	9120474	07/12/11	07/25/11	SL_PHS, SL_CT, SL_CE, SL_AT,	31,836.40									Functional Checks - FEH H4 Diag/Cm Optics		
XCS1407885	Functional Checks - Detector Mvr	15	125	02	9120474	07/26/11	08/15/11	SL_CT, SL_AT, SL_ME, SL_PHS,	61,108.80									Functional Checks - Detector Mvr		
XCS1407890	Install Beamline Radiation Shielding	10	52	02	9120474	12/02/11	12/15/11	SL_AT	8,704.00									Install Beamline Radiation Shielding		
XCS1407895	COMP: XCS Hutch Installation Complete	0	52	02	9120474		12/15/11		0.00									COMP: XCS Hutch Installation Complete		