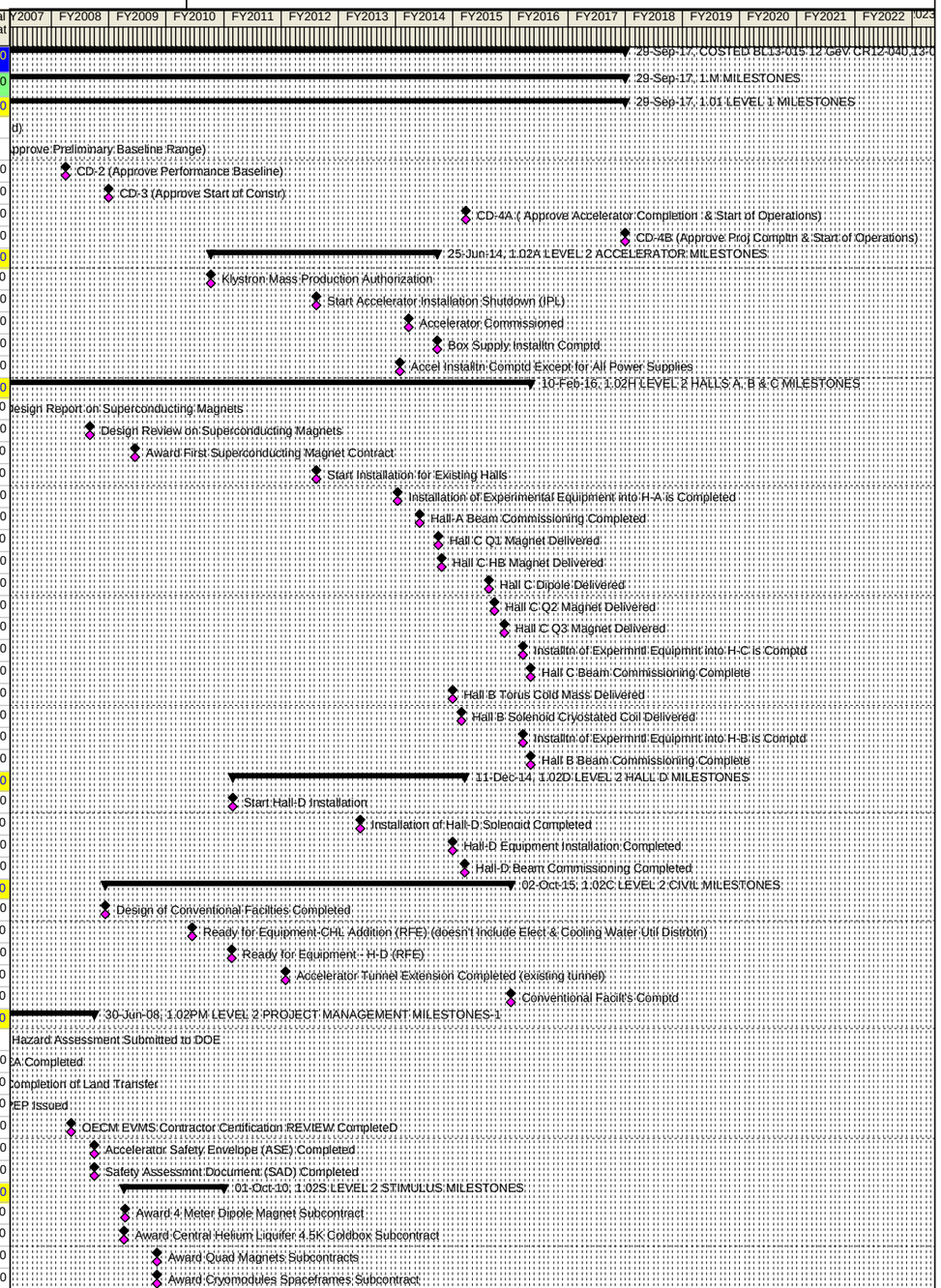
Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
COSTED BL13-015 12 GeV CR12-040,13-001D,03,08,09,02,04,05,12,11,...		31-Mar-04 A	29-Sep-17	669.40	$98,076,297	46189.63	$190,610,797	$300,423,162	$11,736,068	0.00
1.M MILESTONES		31-Mar-04 A	29-Sep-17	669.40	$0	0.00	$0	$0	$0	0.00
1.01 LEVEL 1 MILESTONES		31-Mar-04 A	29-Sep-17	669.40	$0	0.00	$0	$0	$0	0.00
1-1M	CD-0 (Approve Mission Need)		31-Mar-04 A	0.00	$0	0.00	$0	$0	$0	
1-2M	CD-1 (Approve Preliminary Baseline Range)		15-Feb-06 A	0.00	$0	0.00	$0	$0	$0	
1-5M	CD-2 (Approve Performance Baseline)		02-Jan-08*	0.00	$0	0.00	$0	$0	$0	0.00
1-6M	CD-3 (Approve Start of Constr)		30-Sep-08*	0.00	$0	0.00	$0	$0	$0	0.00
1-7M	CD-4A (Approve Accelerator Completion & Start of Operations)		23-Dec-14*	0.00	$0	0.00	$0	$0	$0	0.00
1-8M	CD-4B (Approve Proj Compltn & Start of Operations)		29-Sep-17*	0.00	$0	0.00	$0	$0	$0	0.00
1.02A LEVEL 2 ACCELERATOR MILESTONES		14-Jul-10	25-Jun-14	196.00	$0	0.00	$0	$0	$0	0.00
2-01M	Klystron Mass Production Authorization	14-Jul-10*		0.00	$0	0.00	$0	$0	$0	30.80
2-02M	Start Accelerator Installation Shutdown (IPL)	14-May-12*		0.00	$0	0.00	$0	$0	$0	0.00
2-03M	Accelerator Commissioned		20-Dec-13*	0.00	$0	0.00	$0	$0	$0	0.00
2-25M	Box Supply Installtn Comptd		25-Jun-14	0.00	$0	0.00	$0	$0	$0	0.00
2-26M	Accel Installtn Comptd Except for All Power Supplies		29-Oct-13	0.00	$0	0.00	$0	$0	$0	4.40
1.02H LEVEL 2 HALLS A, B & C MILESTONES		02-Oct-06	10-Feb-16	462.80	$0	0.00	$0	$0	$0	7.00
2-04M	Design Report on Superconducting Magnets		02-Oct-06*	0.00	$0	0.00	$0	$0	$0	49.40
2-05M	Design Review on Superconducting Magnets		30-May-08*	0.00	$0	0.00	$0	$0	$0	8.60
2-06M	Award First Superconducting Magnet Contract		16-Mar-09*	0.00	$0	0.00	$0	$0	$0	19.60
2-07M	Start Installation for Existing Halls	14-May-12*		0.00	$0	0.00	$0	$0	$0	10.80
2-08M	Installation of Experimental Equipment into H-A is Completed		11-Oct-13*	0.00	$0	0.00	$0	$0	$0	9.60
2-09M	Hall-A Beam Commissioning Completed		05-Mar-14*	0.00	$0	0.00	$0	$0	$0	3.60
2-27M	Hall C Q1 Magnet Delivered		30-Jun-14*	0.00	$0	0.00	$0	$0	$0	17.40
2-28M	Hall C HB Magnet Delivered		23-Jul-14*	0.00	$0	0.00	$0	$0	$0	9.80
2-29M	Hall C Dipole Delivered		18-May-15*	0.00	$0	0.00	$0	$0	$0	0.00
2-30M	Hall C Q2 Magnet Delivered		19-Jun-15*	0.00	$0	0.00	$0	$0	$0	3.60
2-31M	Hall C Q3 Magnet Delivered		26-Aug-15*	0.00	$0	0.00	$0	$0	$0	1.20
2-32M	Installtn of Expermntl Equipmnt into H-C is Comptd		23-Dec-15*	0.00	$0	0.00	$0	$0	$0	0.00
2-33M	Hall C Beam Commissioning Complete		08-Feb-16*	0.00	$0	0.00	$0	$0	$0	7.60
2-34M	Hall B Torus Cold Mass Delivered		30-Sep-14*	0.00	$0	0.00	$0	$0	$0	0.00
2-35M	Hall B Solenoid Cryostated Coil Delivered		26-Nov-14*	0.00	$0	0.00	$0	$0	$0	3.40
2-36M	Installtn of Expermntl Equipmnt into H-B is Comptd		18-Dec-15*	0.00	$0	0.00	$0	$0	$0	0.60
2-37M	Hall B Beam Commissioning Complete		10-Feb-16*	0.00	$0	0.00	$0	$0	$0	7.20
1.02D LEVEL 2 HALL D MILESTONES		29-Nov-10	11-Dec-14	200.40	$0	0.00	$0	$0	$0	1.20
2-10M	Start Hall-D Installation	29-Nov-10*		0.00	$0	0.00	$0	$0	$0	0.20
2-11M	Installation of Hall-D Solenoid Completed		20-Feb-13*	0.00	$0	0.00	$0	$0	$0	18.20
2-12M	Hall-D Equipment Installation Completed		30-Sep-14*	0.00	$0	0.00	$0	$0	$0	0.00
2-13M	Hall-D Beam Commissioning Completed		11-Dec-14*	0.00	$0	0.00	$0	$0	$0	1.60
1.02C LEVEL 2 CIVIL MILESTONES		04-Sep-08	02-Oct-15	350.80	$0	0.00	$0	$0	$0	11.20
2-14M	Design of Conventional Facilties Completed		04-Sep-08*	0.00	$0	0.00	$0	$0	$0	3.60
2-15M	Ready for Equipment-CHL Addition (RFE) (doesn't Include Elect & Cooling Water Util Di...		12-Mar-10*	0.00	$0	0.00	$0	$0	$0	28.20
2-16M	Ready for Equipment - H-D (RFE)		24-Nov-10*	0.00	$0	0.00	$0	$0	$0	0.20
2-17M	Accelerator Tunnel Extension Completed (existing tunnel)		01-Nov-11*	0.00	$0	0.00	$0	$0	$0	36.60
2-38M	Conventional Facilt's Comptd		02-Oct-15*	0.00	$0	0.00	$0	$0	$0	11.20
1.02PM LEVEL 2 PROJECT MANAGEMENT MILESTONES-1		29-Sep-05 A	30-Jun-08	135.60	$0	0.00	$0	$0	$0	260.80
2-18M	Preliminary Hazard Assessment Submitted to DOE		29-Sep-05 A	0.00	$0	0.00	$0	$0	$0	
2-19M	EA Completed		02-Oct-06*	0.00	$0	0.00	$0	$0	$0	0.20
2-20M	Completion of Land Transfer		02-Oct-06*	0.00	$0	0.00	$0	$0	$0	36.80
2-21M	PEP Issued		02-Oct-06*	0.00	$0	0.00	$0	$0	$0	36.80
2-22M	OECM EVMS Contractor Certification REVIEW CompleteD		31-Jan-08*	0.00	$0	0.00	$0	$0	$0	0.00
2-23M	Accelerator Safety Envelope (ASE) Completed		30-Jun-08*	0.00	$0	0.00	$0	$0	$0	0.20
2-24M	Safety Assessmnt Document (SAD) Completed		30-Jun-08*	0.00	$0	0.00	$0	$0	$0	0.20
1.02S LEVEL 2 STIMULUS MILESTONES		08-Jan-09	01-Oct-10	86.60	$0	0.00	$0	$0	$0	0.00
2-S01M	Award 4 Meter Dipole Magnet Subcontract	13-Jan-09*		0.00	$0	0.00	$0	$0	$0	23.40
2-S02M	Award Central Helium Liquifer 4.5K Coldbox Subcontract	08-Jan-09*		0.00	$0	0.00	$0	$0	$0	24.00
2-S03M	Award Quad Magnets Subcontracts	03-Aug-09*		0.00	$0	0.00	$0	$0	$0	-4.60
2-S04M	Award Cryomodules Spaceframes Subcontract	04-Aug-09*		0.00	$0	0.00	$0	$0	$0	3.80



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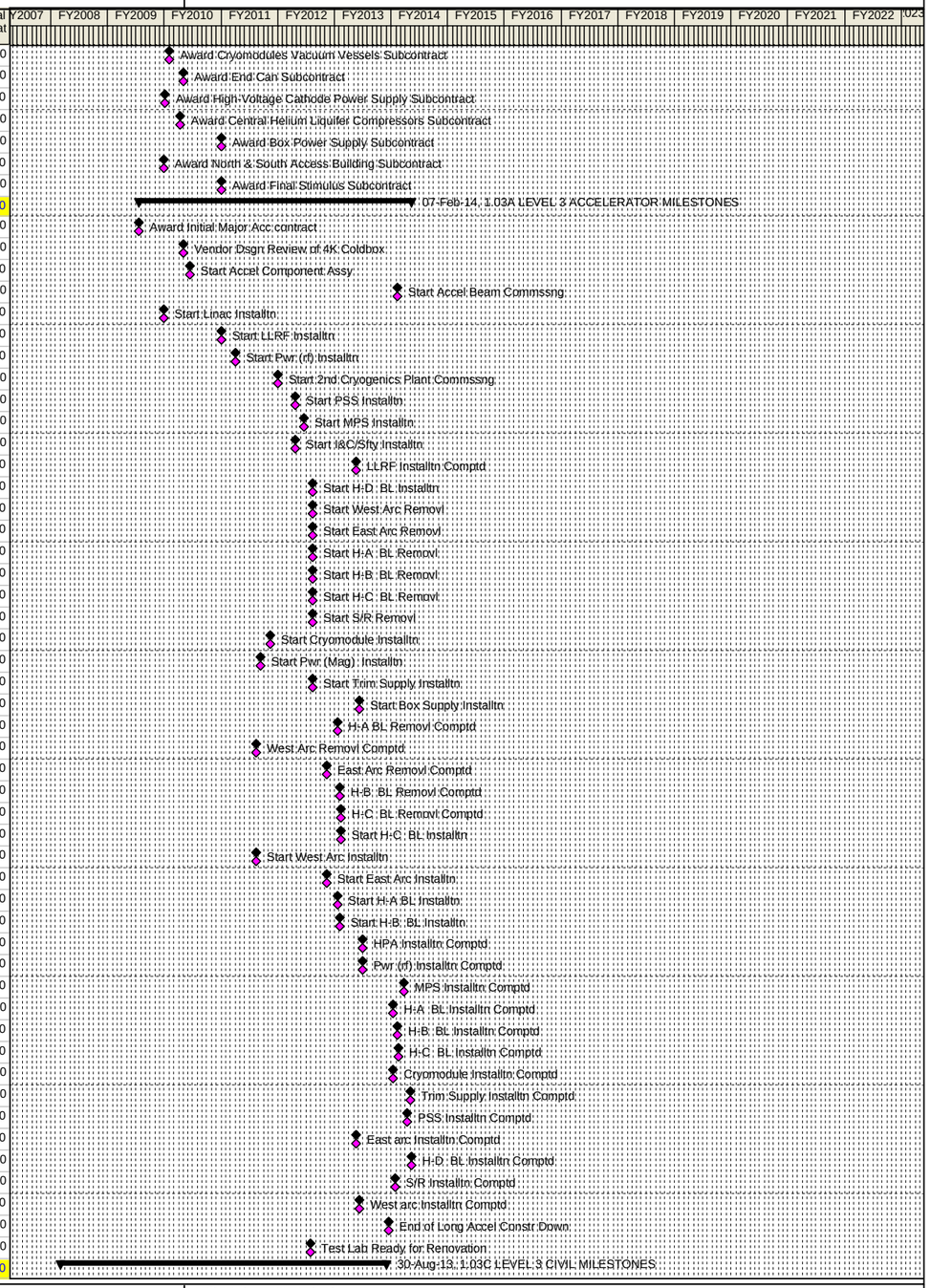
Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
2-S05M	Award Cryomodules Vacuum Vessels Subcontract	03-Nov-09*		0.00	$0	0.00	$0	$0	$0	3.40
2-S06M	Award End Can Subcontract	03-Feb-10*		0.00	$0	0.00	$0	$0	$0	-5.00
2-S07M	Award High-Voltage Cathode Power Supply Subcontract	08-Oct-09*		0.00	$0	0.00	$0	$0	$0	14.40
2-S08M	Award Central Helium Liquifer Compressors Subcontract	12-Jan-10*		0.00	$0	0.00	$0	$0	$0	6.20
2-S09M	Award Box Power Supply Subcontract	01-Oct-10*		0.00	$0	0.00	$0	$0	$0	-25.80
2-S10M	Award North & South Access Building Subcontract	01-Oct-09*		0.00	$0	0.00	$0	$0	$0	32.40
2-S11M	Award Final Stimulus Subcontract		30-Sep-10*	0.00	$0	0.00	$0	$0	$0	0.00
1.03A LEVEL 3 ACCELERATOR MILESTONES		21-Apr-09	07-Feb-14	238.00	$0	0.00	$0	$0	$0	14.40
32-01M	Award Initial Major Acc contract	21-Apr-09*		0.00	$0	0.00	$0	$0	$0	-7.40
32-02M	Vendor Dsgn Review of 4K Coldbox		29-Jan-10*	0.00	$0	0.00	$0	$0	$0	0.00
32-03M	Start Accel Component Assy	18-Mar-10*		0.00	$0	0.00	$0	$0	$0	14.60
32-05M	Start Accel Beam Commssng	14-Nov-13		0.00	$0	0.00	$0	$0	$0	0.00
3A-01M	Start Linac Installtn	01-Oct-09*		0.00	$0	0.00	$0	$0	$0	86.20
3A-02M	Start LLRF Installtn	01-Oct-10*		0.00	$0	0.00	$0	$0	$0	32.20
3A-03M	Start Pwr (rf) Installtn	04-Jan-11*		0.00	$0	0.00	$0	$0	$0	53.40
3A-04M	Start 2nd Cryogenics Plant Commssng	03-Oct-11*		0.00	$0	0.00	$0	$0	$0	8.00
3A-07M	Start PSS Installtn	23-Jan-12*		0.00	$0	0.00	$0	$0	$0	1.20
3A-08M	Start MPS Installtn	19-Mar-12*		0.00	$0	0.00	$0	$0	$0	6.00
3A-09M	Start I&C/Sfty Installtn	23-Jan-12*		0.00	$0	0.00	$0	$0	$0	1.20
3A-10M	LLRF Installtn Comptd		15-Feb-13	0.00	$0	0.00	$0	$0	$0	33.40
3A-12M	Start H-D BL Installtn	14-May-12		0.00	$0	0.00	$0	$0	$0	80.40
3A-13M	Start West Arc Removl	14-May-12		0.00	$0	0.00	$0	$0	$0	40.00
3A-14M	Start East Arc Removl	14-May-12		0.00	$0	0.00	$0	$0	$0	40.00
3A-16M	Start H-A BL Removl	14-May-12		0.00	$0	0.00	$0	$0	$0	62.60
3A-17M	Start H-B BL Removl	14-May-12		0.00	$0	0.00	$0	$0	$0	63.00
3A-18M	Start H-C BL Removl	14-May-12		0.00	$0	0.00	$0	$0	$0	64.00
3A-19M	Start S/R Removl	14-May-12		0.00	$0	0.00	$0	$0	$0	61.40
3A-20M	Start Cryomodule Installtn	12-Aug-11*		0.00	$0	0.00	$0	$0	$0	16.60
3A-21M	Start Pwr (Mag) Installtn	13-Jun-11*		0.00	$0	0.00	$0	$0	$0	64.80
3A-22M	Start Trim Supply Installtn	14-May-12		0.00	$0	0.00	$0	$0	$0	43.20
3A-23M	Start Box Supply Installtn	12-Mar-13		0.00	$0	0.00	$0	$0	$0	25.20
3A-28M	H-A BL Removl Comptd		19-Oct-12	0.00	$0	0.00	$0	$0	$0	40.20
3A-29M	West Arc Removl Comptd		13-May-11	0.00	$0	0.00	$0	$0	$0	12.00
3A-30M	East Arc Removl Comptd		13-Aug-12	0.00	$0	0.00	$0	$0	$0	38.60
3A-31M	H-B BL Removl Comptd		02-Nov-12	0.00	$0	0.00	$0	$0	$0	58.00
3A-32M	H-C BL Removl Comptd		09-Nov-12	0.00	$0	0.00	$0	$0	$0	69.20
3A-33M	Start H-C BL Installtn	12-Nov-12		0.00	$0	0.00	$0	$0	$0	69.40
3A-34M	Start West Arc Installtn	13-May-11		0.00	$0	0.00	$0	$0	$0	12.00
3A-36M	Start East Arc Installtn	14-Aug-12		0.00	$0	0.00	$0	$0	$0	38.60
3A-37M	Start H-A BL Installtn	22-Oct-12		0.00	$0	0.00	$0	$0	$0	40.20
3A-38M	Start H-B BL Installtn	05-Nov-12		0.00	$0	0.00	$0	$0	$0	58.40
3A-40M	HPA Installtn Comptd		03-Apr-13	0.00	$0	0.00	$0	$0	$0	27.00
3A-41M	Pwr (rf) Installtn Comptd		03-Apr-13	0.00	$0	0.00	$0	$0	$0	27.00
3A-42M	MPS Installtn Comptd		20-Dec-13	0.00	$0	0.00	$0	$0	$0	20.00
3A-43M	H-A BL Installtn Comptd		11-Oct-13	0.00	$0	0.00	$0	$0	$0	9.60
3A-44M	H-B BL Installtn Comptd		11-Nov-13	0.00	$0	0.00	$0	$0	$0	25.20
3A-46M	H-C BL Installtn Comptd		15-Nov-13	0.00	$0	0.00	$0	$0	$0	24.40
3A-47M	Cryomodule Installtn Comptd		11-Oct-13	0.00	$0	0.00	$0	$0	$0	4.20
3A-48M	Trim Supply Installtn Comptd		04-Feb-14	0.00	$0	0.00	$0	$0	$0	7.00
3A-49M	PSS Installtn Comptd		15-Jan-14	0.00	$0	0.00	$0	$0	$0	12.20
3A-52M	East arc Installtn Comptd		14-Feb-13	0.00	$0	0.00	$0	$0	$0	33.60
3A-53M	H-D BL Installtn Comptd		07-Feb-14	0.00	$0	0.00	$0	$0	$0	9.20
3A-54M	S/R Installtn Comptd		29-Oct-13	0.00	$0	0.00	$0	$0	$0	2.80
3A-56M	West arc Installtn Comptd		12-Mar-13	0.00	$0	0.00	$0	$0	$0	30.20
3A-58M	End of Long Accel Constr Down		13-Sep-13*	0.00	$0	0.00	$0	$0	$0	0.00
3A-59M	Test Lab Ready for Renovation		01-May-12*	0.00	$0	0.00	$0	$0	$0	0.00
1.03C LEVEL 3 CIVIL MILESTONES		30-Nov-07	30-Aug-13	284.80	$0	0.00	$0	$0	$0	114.60



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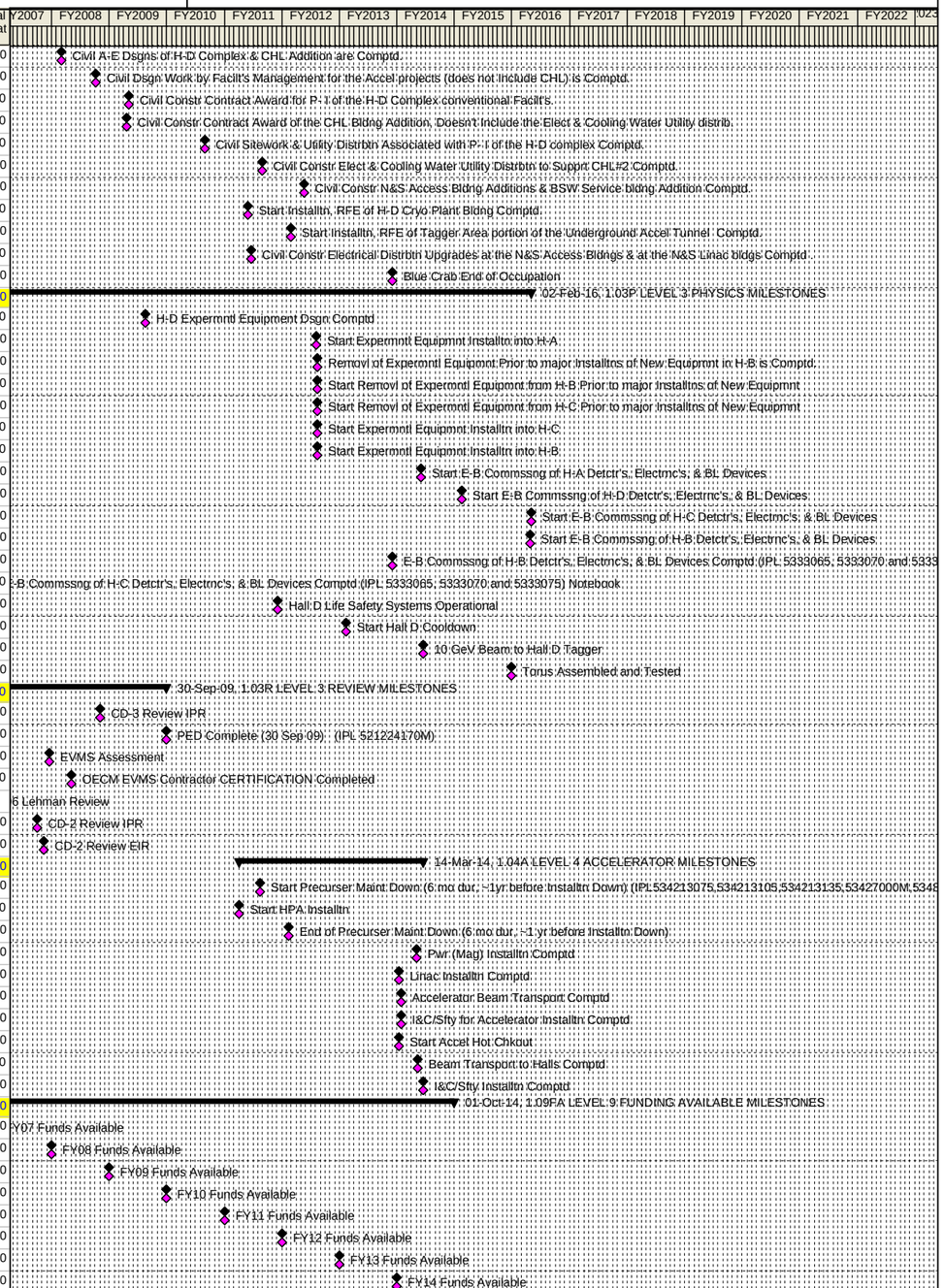
Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
3C-01M	Civil A-E Dsgns of H-D Complex & CHL Addition are Comptd.		30-Nov-07*	0.00	$0	0.00	$0	$0	$0	3.00
3C-02M	Civil Dsgn Work by Facilt's Management for the Accel projects (does not Include CHL) is...		09-Jul-08*	0.00	$0	0.00	$0	$0	$0	3.20
3C-03M	Civil Constr Contract Award for P- I of the H-D Complex conventional Facilt's.		02-Feb-09*	0.00	$0	0.00	$0	$0	$0	12.40
3C-04M	Civil Constr Contract Award of the CHL Bldng Addition, Doesn't Include the Elect & Cooli...		16-Jan-09*	0.00	$0	0.00	$0	$0	$0	14.40
3C-06M	Civil Sitework & Utility Distrbtn Associated with P- I of the H-D complex Comptd.		28-May-10	0.00	$0	0.00	$0	$0	$0	276.40
3C-07M	Civil Constr Elect & Cooling Water Utility Distrbtn to Supprt CHL#2 Comptd.		27-May-11*	0.00	$0	0.00	$0	$0	$0	4.60
3C-08M	Civil Constr N&S Access Bldng Additions & BSW Service bldng Addition Comptd.		21-Feb-12*	0.00	$0	0.00	$0	$0	$0	9.80
3C-09M	Start Installtn, RFE of H-D Cryo Plant Bldng Comptd.		28-Feb-11*	0.00	$0	0.00	$0	$0	$0	17.40
3C-10M	Start Installtn, RFE of Tagger Area portion of the Underground Accel Tunnel Comptd.		30-Nov-11*	0.00	$0	0.00	$0	$0	$0	3.40
3C-11M	Civil Constr Electrical Distrbtn Upgrades at the N&S Access Bldngs & at the N&S Linac ...		18-Mar-11*	0.00	$0	0.00	$0	$0	$0	55.60
3C-13M	Blue Crab End of Occupation		30-Aug-13*	0.00	$0	0.00	$0	$0	$0	0.00
1.03P LEVEL 3 PHYSICS MILESTONES		02-Oct-06	02-Feb-16	461.40	$0	0.00	$0	$0	$0	7.40
32-12M	H-D Expermntl Equipment Dsgn Comptd		20-May-09*	0.00	$0	0.00	$0	$0	$0	18.40
3P-01M	Start Expermntl Equipmnt Installtn into H-A	07-May-12*		0.00	$0	0.00	$0	$0	$0	1.00
3P-02M	Removl of Expermntl Equipmnt Prior to major Installtns of New Equipmnt in H-B is Com...		14-May-12*	0.00	$0	0.00	$0	$0	$0	6.60
3P-03M	Start Removl of Expermntl Equipmnt from H-B Prior to major Installtns of New Equipmnt	14-May-12*		0.00	$0	0.00	$0	$0	$0	-2.00
3P-04M	Start Removl of Expermntl Equipmnt from H-C Prior to major Installtns of New Equipmnt	14-May-12*		0.00	$0	0.00	$0	$0	$0	2.40
3P-07M	Start Expermntl Equipmnt Installtn into H-C	14-May-12		0.00	$0	0.00	$0	$0	$0	46.60
3P-08M	Start Expermntl Equipmnt Installtn into H-B	14-May-12*		0.00	$0	0.00	$0	$0	$0	23.80
3P-12M	Start E-B Commssng of H-A Detctr's, Electrnc's, & BL Devices	28-Feb-14*		0.00	$0	0.00	$0	$0	$0	3.80
3P-16M	Start E-B Commssng of H-D Detctr's, Electrnc's, & BL Devices	19-Nov-14*		0.00	$0	0.00	$0	$0	$0	1.60
3P-18M	Start E-B Commssng of H-C Detctr's, Electrnc's, & BL Devices	02-Feb-16*		0.00	$0	0.00	$0	$0	$0	7.60
3P-20M	Start E-B Commssng of H-B Detctr's, Electrnc's, & BL Devices	28-Jan-16*		0.00	$0	0.00	$0	$0	$0	7.20
3P-21M	E-B Commssng of H-B Detctr's, Electrnc's, & BL Devices Comptd (IPL 5333065, 533307...		30-Aug-13	0.00	$0	0.00	$0	$0	$0	4.00
3P-22M	E-B Commssng of H-C Detctr's, Electrnc's, & BL Devices Comptd (IPL 5333065, 53330...		02-Oct-06	0.00	$0	0.00	$0	$0	$0	346.80
3P-23M	Hall D Life Safety Systems Operational		02-Sep-11*	0.00	$0	0.00	$0	$0	$0	4.20
3P-24M	Start Hall D Cooldown	12-Nov-12*		0.00	$0	0.00	$0	$0	$0	1.60
3P-25M	10 GeV Beam to Hall D Tagger		14-Mar-14*	0.00	$0	0.00	$0	$0	$0	4.20
3P-26M	Torus Assembled and Tested	01-Oct-15		0.00	$0	0.00	$0	$0	$0	3.40
1.03R LEVEL 3 REVIEW MILESTONES		27-Jun-06 A	30-Sep-09	162.00	$0	0.00	$0	$0	$0	198.20
3R-05M	CD-3 Review IPR		31-Jul-08*	0.00	$0	0.00	$0	$0	$0	0.00
3R-06M	PED Complete (30 Sep 09) (IPL 521224170M)		30-Sep-09*	0.00	$0	0.00	$0	$0	$0	0.00
3R-07M	EVMS Assessment	17-Sep-07*		0.00	$0	0.00	$0	$0	$0	0.00
3R-08M	OECM EVMS Contractor CERTIFICATION Completed		31-Jan-08*	0.00	$0	0.00	$0	$0	$0	21.00
3R-1M	FY06 Lehman Review	27-Jun-06 A		0.00	$0	0.00	$0	$0	$0	
3R-2M	CD-2 Review IPR		29-Jun-07*	0.00	$0	0.00	$0	$0	$0	0.00
3R-3M	CD-2 Review EIR		15-Aug-07*	0.00	$0	0.00	$0	$0	$0	0.00
1.04A LEVEL 4 ACCELERATOR MILESTONES		04-Jan-11	14-Mar-14	158.60	$0	0.00	$0	$0	$0	9.60
4A-01M	Start Precurser Maint Down (6 mo dur, ~1yr before Installtn Down) (IPL534213075,5342...	13-May-11*		0.00	$0	0.00	$0	$0	$0	0.00
4A-03M	Start HPA Installtn	04-Jan-11		0.00	$0	0.00	$0	$0	$0	33.60
4A-04M	End of Precurser Maint Down (6 mo dur, ~1 yr before Installtn Down)		11-Nov-11*	0.00	$0	0.00	$0	$0	$0	0.00
4A-06M	Pwr (Mag) Installtn Comptd		04-Feb-14	0.00	$0	0.00	$0	$0	$0	7.00
4A-07M	Linac Installtn Comptd		11-Oct-13	0.00	$0	0.00	$0	$0	$0	6.80
4A-08M	Accelerator Beam Transport Comptd		29-Oct-13	0.00	$0	0.00	$0	$0	$0	4.40
4A-09M	I&C/Sfty for Accelerator Installtn Comptd		25-Oct-13	0.00	$0	0.00	$0	$0	$0	2.20
4A-10M	Start Accel Hot Chkout	15-Oct-13		0.00	$0	0.00	$0	$0	$0	0.00
4A-11M	Beam Transport to Halls Comptd		07-Feb-14	0.00	$0	0.00	$0	$0	$0	14.60
4A-12M	I&C/Sfty Installtn Comptd		14-Mar-14	0.00	$0	0.00	$0	$0	$0	4.20
1.09FA LEVEL 9 FUNDING AVAILABLE MILESTONES		02-Oct-06	01-Oct-14	396.40	$0	0.00	$0	$0	$0	0.00
9-070M	FY07 Funds Available	02-Oct-06*		0.00	$0	0.00	$0	$0	$0	0.00
9-080M	FY08 Funds Available	01-Oct-07*		0.00	$0	0.00	$0	$0	$0	0.00
9-090M	FY09 Funds Available	01-Oct-08*		0.00	$0	0.00	$0	$0	$0	0.00
9-100M	FY10 Funds Available	01-Oct-09*		0.00	$0	0.00	$0	$0	$0	0.00
9-110M	FY11 Funds Available	01-Oct-10*		0.00	$0	0.00	$0	$0	$0	0.00
9-120M	FY12 Funds Available	03-Oct-11*		0.00	$0	0.00	$0	$0	$0	0.00
9-130M	FY13 Funds Available	01-Oct-12*		0.00	$0	0.00	$0	$0	$0	0.00
9-140M	FY14 Funds Available	01-Oct-13*		0.00	$0	0.00	$0	$0	$0	0.00



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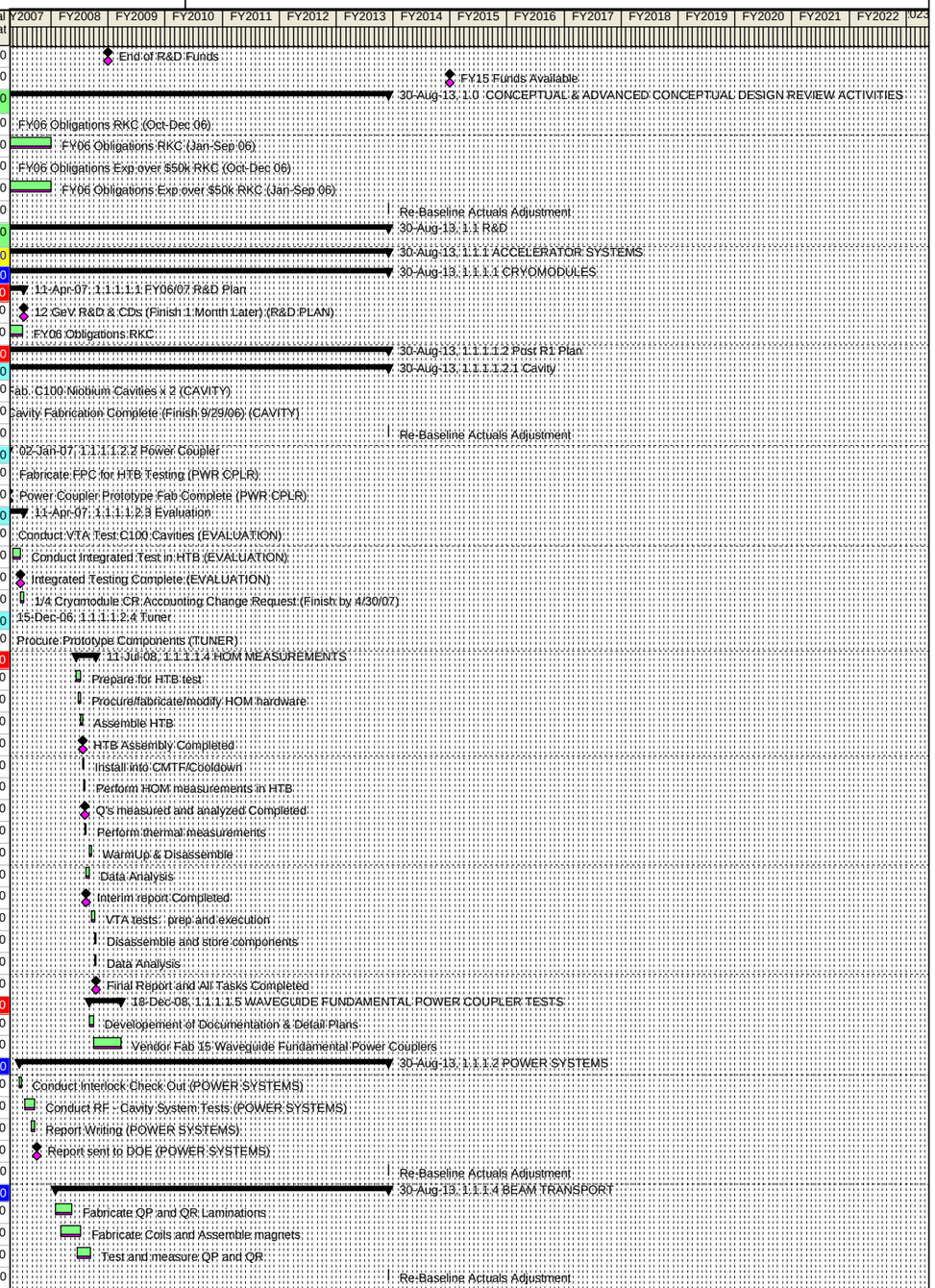
Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
9-150M	End of R&D Funds	01-Oct-08*		0.00	$0	0.00	$0	$0	$0	0.00
9-155M	FY15 Funds Available	01-Oct-14*		0.00	$0	0.00	$0	$0	$0	0.00
1.0 CONCEPTUAL & ADVANCED CONCEPTUAL DESIGN REVIEW ACTIVI...		02-Oct-06	30-Aug-13	342.80	$0	0.00	$14,841	$450,152	$435,311	4.00
19001	FY06 Obligations RKC (Oct-Dec 06)	02-Oct-06	22-Dec-06*	11.60	$0	0.00	$17,000	$6,839	($10,161)	0.00
19001RKC	FY06 Obligations RKC (Jan-Sep 06)	02-Jan-07*	28-Sep-07	37.80	$0	0.00	$30,000	$341,960	$311,960	0.00
19002RKC	FY06 Obligations Exp over $50k RKC (Oct-Dec 06)	02-Oct-06	22-Dec-06*	11.60	$0	0.00	$0	($2,716)	($2,716)	0.00
19005RKC	FY06 Obligations Exp over $50k RKC (Jan-Sep 06)	02-Jan-07*	28-Sep-07	37.80	$0	0.00	$0	$136,228	$136,228	0.00
19010	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($32,159)	($32,159)	$0	4.00
1.1 R&D		02-Oct-06	30-Aug-13	342.80	$1,988,830	1582.72	$1,578,479	$3,797,118	$229,808	4.00
1.1.1 ACCELERATOR SYSTEMS		02-Oct-06	30-Aug-13	342.80	$423,217	196.48	$430,154	$921,467	$68,096	4.00
1.1.1.1 CRYOMODULES		02-Oct-06	30-Aug-13	342.80	$349,466	159.68	$357,621	$775,184	$68,096	4.00
1.1.1.1.1 FY06/07 R&D Plan		02-Oct-06	11-Apr-07	25.60	$0	0.00	$0	$56,268	$56,268	65.00
11111000M	12 GeV R&D & CDs (Finish 1 Month Later) (R&D PLAN)		11-Apr-07	0.00	$0	0.00	$0	$0	$0	11.20
11111005RKC	FY06 Obligations RKC	02-Oct-06	30-Mar-07	24.00	$0	0.00	$0	$56,268	$56,268	66.60
1.1.1.1.2 Post R1 Plan		02-Oct-06	30-Aug-13	342.80	$227,742	107.48	$278,316	$509,887	$3,829	4.00
1.1.1.1.2.1 Cavity		02-Oct-06	30-Aug-13	342.80	$6,146	3.04	$69,321	$78,162	$2,695	4.00
111121000	Fab. C100 Niobium Cavities x 2 (CAVITY)	02-Oct-06	16-Oct-06	2.20	$6,146	3.04	$0	$8,840	$2,695	6.80
111121005M	Cavity Fabrication Complete (Finish 9/29/06) (CAVITY)		16-Oct-06	0.00	$0	0.00	$0	$0	$0	6.80
111121010	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$69,321	$69,321	$0	4.00
1.1.1.1.2.2 Power Coupler		02-Oct-06	02-Jan-07	11.80	$16,742	8.00	$68,110	$84,852	$0	2.60
111122000	Fabricate FPC for HTB Testing (PWR CPLR)	02-Oct-06	02-Jan-07	11.80	$16,742	8.00	$68,110	$84,852	$0	2.60
111122005M	Power Coupler Prototype Fab Complete (PWR CPLR)		02-Jan-07	0.00	$0	0.00	$0	$0	$0	2.60
1.1.1.1.2.3 Evaluation		17-Oct-06	11-Apr-07	23.40	$200,966	94.65	$89,285	$291,385	$1,134	2.60
111123000	Conduct VTA Test C100 Cavities (EVALUATION)	17-Oct-06	22-Dec-06	9.40	$40,042	20.20	$7,220	$47,262	$0	6.80
111123005	Conduct Integrated Test in HTB (EVALUATION)	01-Feb-07	15-Mar-07	6.00	$43,736	18.00	$5,160	$48,896	$0	2.60
111123010M	Integrated Testing Complete (EVALUATION)		15-Mar-07	0.00	$0	0.00	$0	$0	$0	2.60
111123015	1/4 Cryomodule CR Accounting Change Request (Finish by 4/30/07)	16-Mar-07	11-Apr-07*	3.80	$117,188	56.45	$76,905	$195,227	$1,134	2.60
1.1.1.1.2.4 Tuner		17-Oct-06	15-Dec-06	8.40	$3,889	1.80	$51,600	$55,489	$0	7.80
111124000	Procure Prototype Components (TUNER)	17-Oct-06	15-Dec-06	8.40	$3,889	1.80	$51,600	$55,489	$0	7.80
1.1.1.1.4 HOM MEASUREMENTS		13-Mar-08	11-Jul-08	16.90	$104,131	43.20	$0	$111,131	$7,000	11.30
11114000	Prepare for HTB test	13-Mar-08	03-Apr-08	3.20	$17,390	7.50	$0	$24,390	$7,000	11.30
11114005	Procure/fabricate/modify HOM hardware	24-Mar-08	10-Apr-08	2.70	$7,056	4.50	$0	$7,056	$0	11.30
11114010	Assemble HTB	10-Apr-08	18-Apr-08	1.20	$6,804	3.30	$0	$6,804	$0	11.30
11114015M	HTB Assembly Completed		18-Apr-08	0.00	$0	0.00	$0	$0	$0	11.30
11114020	Install into CMTF/Cooldown	18-Apr-08	25-Apr-08	1.00	$4,947	2.00	$0	$4,947	$0	11.30
11114025	Perform HOM measurements in HTB	25-Apr-08	02-May-08	1.00	$7,973	2.00	$0	$7,973	$0	11.30
11114030M	Q's measured and analyzed Completed		02-May-08	0.00	$0	0.00	$0	$0	$0	11.30
11114035	Perform thermal measurements	02-May-08	09-May-08	1.00	$4,982	2.00	$0	$4,982	$0	11.30
11114040	WarmUp & Disassemble	30-May-08	13-Jun-08	2.00	$12,125	6.00	$0	$12,125	$0	11.30
11114045	Data Analysis	09-May-08	30-May-08	2.80	$15,547	3.90	$0	$15,547	$0	11.30
11114050M	Interim report Completed		09-May-08	0.00	$0	0.00	$0	$0	$0	16.10
11114055	VTA tests: prep and execution	13-Jun-08	03-Jul-08	2.90	$16,198	8.00	$0	$16,198	$0	11.30
11114060	Disassemble and store components	07-Jul-08	11-Jul-08	0.90	$3,136	2.00	$0	$3,136	$0	11.30
11114065	Data Analysis	07-Jul-08	11-Jul-08	0.90	$7,973	2.00	$0	$7,973	$0	11.30
11114070M	Final Report and All Tasks Completed		11-Jul-08	0.00	$0	0.00	$0	$0	$0	11.30
1.1.1.1.5 WAVEGUIDE FUNDAMENTAL POWER COUPLER TESTS		02-Jun-08	18-Dec-08	28.00	$17,593	9.00	$79,305	$97,898	$1,000	73.60
11115000	Developement of Documentation & Detail Plans	02-Jun-08	27-Jun-08	4.00	$17,593	9.00	$0	$18,593	$1,000	73.60
11115005	Vendor Fab 15 Waveguide Fundamental Power Couplers	30-Jun-08	18-Dec-08	24.00	$0	0.00	$79,305	$79,305	$0	73.60
1.1.1.2 POWER SYSTEMS		15-Mar-07	30-Aug-13	321.20	$39,535	17.00	($11,919)	$27,615	$0	4.00
1112000	Conduct Interlock Check Out (POWER SYSTEMS)	15-Mar-07	28-Mar-07	2.00	$4,300	2.00	$0	$4,300	$0	53.80
1112005	Conduct RF - Cavity System Tests (POWER SYSTEMS)	16-Apr-07	15-Jun-07	8.80	$32,750	14.00	$0	$32,750	$0	53.80
1112010	Report Writing (POWER SYSTEMS)	30-May-07	15-Jun-07	2.60	$2,485	1.00	$0	$2,485	$0	53.80
1112015M	Report sent to DOE (POWER SYSTEMS)		29-Jun-07	0.00	$0	0.00	$0	$0	$0	53.80
1112020	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($11,919)	($11,919)	$0	4.00
1.1.1.4 BEAM TRANSPORT		01-Nov-07	30-Aug-13	288.80	$34,216	19.80	$84,452	$118,668	$0	4.00
1114000	Fabricate QP and QR Laminations	01-Nov-07	08-Feb-08	12.40	$0	0.00	$28,480	$28,480	$0	15.60
1114005	Fabricate Coils and Assemble magnets	03-Dec-07	04-Apr-08	16.20	$22,526	13.50	$5,675	$28,202	$0	15.60
1114010	Test and measure QP and QR	18-Mar-08	10-Jun-08	12.00	$11,690	6.30	$4,644	$16,333	$0	15.60
1114015	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$45,653	$45,653	$0	4.00



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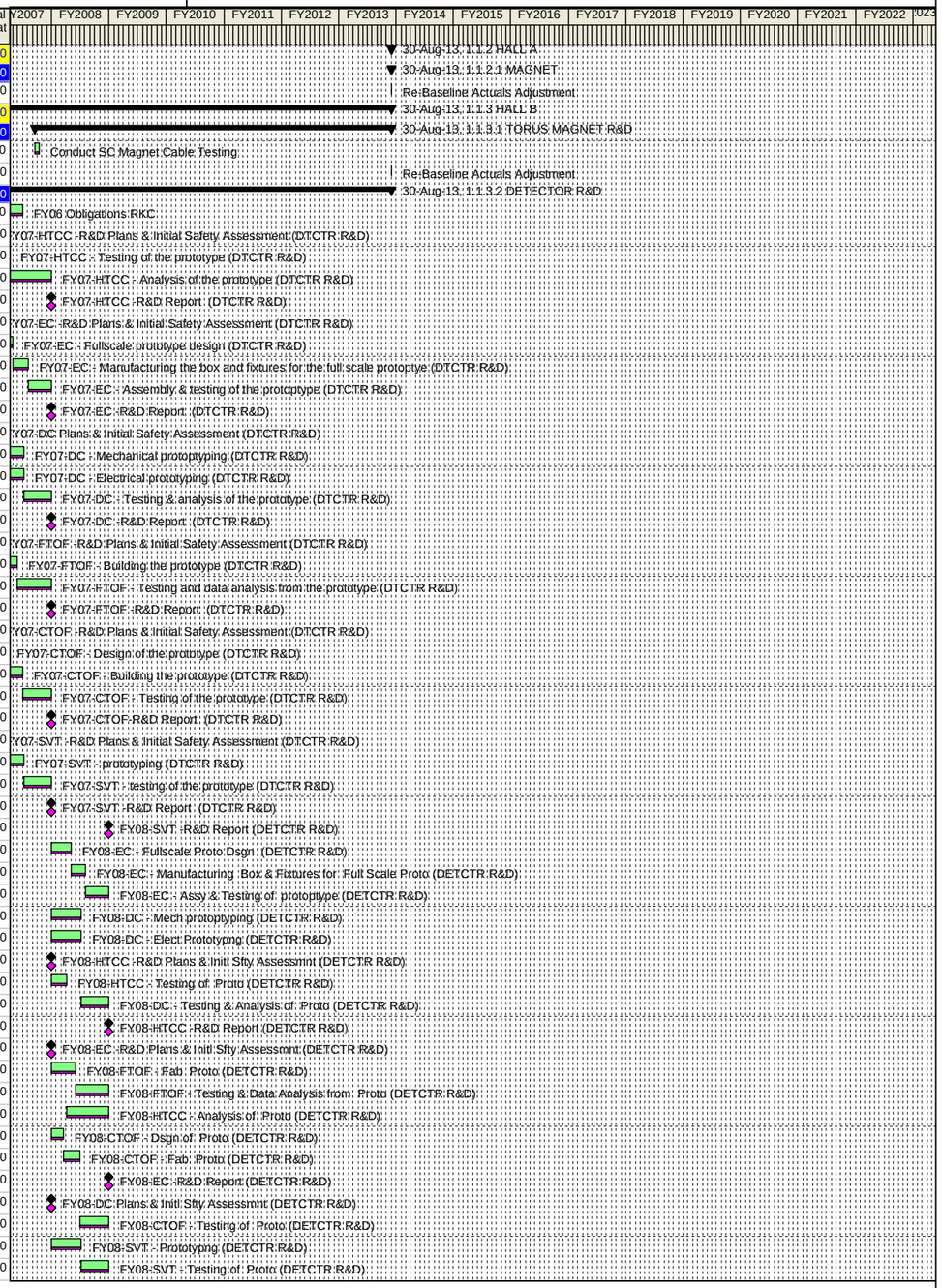
Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
1.1.2 HALL A		30-Aug-13	30-Aug-13	0.20	$0	0.00	$0	$0	$0	4.00
1.1.2.1 MAGNET		30-Aug-13	30-Aug-13	0.20	$0	0.00	$0	$0	$0	4.00
1121000	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$0	$0	$0	4.00
1.1.3 HALL B		02-Oct-06	30-Aug-13	342.80	$420,761	401.73	$310,186	$785,172	$54,225	4.00
1.1.3.1 TORUS MAGNET R&D		18-Jun-07	30-Aug-13	308.00	$0	0.00	$40,000	$40,000	$0	4.00
1131005	Conduct SC Magnet Cable Testing	18-Jun-07	16-Jul-07	4.00	$0	0.00	$43,000	$43,000	$0	32.40
1131010	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($3,000)	($3,000)	$0	4.00
1.1.3.2 DETECTOR R&D		02-Oct-06	30-Aug-13	342.80	$346,499	329.32	$281,476	$678,070	$50,095	4.00
1132021RKC	FY06 Obligations RKC	02-Oct-06	30-Mar-07	24.00	$0	0.00	$0	$24,046	$24,046	66.60
1132026M	FY07-HTCC -R&D Plans & Initial Safety Assessment (DTCTR R&D)	02-Oct-06		0.00	$0	0.00	$0	$0	$0	0.20
1132028	FY07-HTCC - Testing of the prototype (DTCTR R&D)	02-Oct-06	04-Jan-07	12.20	$4,373	9.32	$0	$4,373	$0	0.20
1132030	FY07-HTCC - Analysis of the prototype (DTCTR R&D)	05-Jan-07	28-Sep-07	37.20	$3,226	8.08	$0	$3,226	$0	0.20
1132030M	FY07-HTCC -R&D Report (DTCTR R&D)		28-Sep-07	0.00	$0	0.00	$0	$0	$0	0.20
1132033M	FY07-EC -R&D Plans & Initial Safety Assessment (DTCTR R&D)	02-Oct-06		0.00	$0	0.00	$0	$0	$0	0.20
1132035	FY07-EC - Fullscale prototype design (DTCTR R&D)	02-Oct-06	31-Jan-07	15.80	$3,402	8.28	$0	$3,402	$0	0.20
1132045	FY07-EC - Manufacturing the box and fixtures for the full scale prototype (DTCTR R&D)	01-Feb-07	03-May-07	13.00	$18,747	11.33	$28,210	$46,957	$0	0.20
1132050	FY07-EC - Assembly & testing of the prototype (DTCTR R&D)	04-May-07	28-Sep-07	20.60	$17,428	18.65	$0	$17,428	$0	0.20
1132050M	FY07-EC -R&D Report (DTCTR R&D)		28-Sep-07	0.00	$0	0.00	$0	$0	$0	0.20
1132054M	FY07-DC Plans & Initial Safety Assessment (DTCTR R&D)	02-Oct-06		0.00	$0	0.00	$0	$0	$0	0.20
1132055	FY07-DC - Mechanical prototyping (DTCTR R&D)	02-Oct-06	06-Apr-07	25.00	$30,104	29.98	$28,209	$58,313	$0	0.20
1132060	FY07-DC - Electrical prototyping (DTCTR R&D)	02-Oct-06	06-Apr-07	25.00	$16,729	9.27	$16,924	$33,653	$0	0.20
1132065	FY07-DC - Testing & analysis of the prototype (DTCTR R&D)	09-Apr-07	28-Sep-07	24.40	$16,061	9.25	$0	$16,061	$0	0.20
1132065M	FY07-DC -R&D Report (DTCTR R&D)		28-Sep-07	0.00	$0	0.00	$0	$0	$0	0.20
1132069M	FY07-FTOF -R&D Plans & Initial Safety Assessment (DTCTR R&D)	02-Oct-06		0.00	$0	0.00	$0	$0	$0	0.20
1132070	FY07-FTOF - Building the prototype (DTCTR R&D)	02-Oct-06	28-Feb-07	19.60	$0	0.00	$16,926	$16,926	$0	0.20
1132075	FY07-FTOF - Testing and data analysis from the prototype (DTCTR R&D)	01-Mar-07	28-Sep-07	29.80	$0	0.00	$11,284	$11,284	$0	0.20
1132075M	FY07-FTOF -R&D Report (DTCTR R&D)		28-Sep-07	0.00	$0	0.00	$0	$0	$0	0.20
1132079M	FY07-CTOF -R&D Plans & Initial Safety Assessment (DTCTR R&D)	02-Oct-06		0.00	$0	0.00	$0	$0	$0	0.20
1132080	FY07-CTOF - Design of the prototype (DTCTR R&D)	02-Oct-06	19-Dec-06	11.00	$0	0.00	$0	$0	$0	0.20
1132085	FY07-CTOF - Building the prototype (DTCTR R&D)	20-Dec-06	03-Apr-07	13.40	$0	0.00	$0	$0	$0	0.20
1132090	FY07-CTOF - Testing of the prototype (DTCTR R&D)	04-Apr-07	28-Sep-07	25.00	$0	0.00	$0	$15,890	$15,890	0.20
1132090M	FY07-CTOF-R&D Report (DTCTR R&D)		28-Sep-07	0.00	$0	0.00	$0	$0	$0	0.20
1132094M	FY07-SVT -R&D Plans & Initial Safety Assessment (DTCTR R&D)	02-Oct-06		0.00	$0	0.00	$0	$0	$0	0.20
1132095	FY07-SVT - prototyping (DTCTR R&D)	02-Oct-06	06-Apr-07	25.00	$38,722	26.71	$25,389	$64,111	$0	0.20
1132100	FY07-SVT - testing of the prototype (DTCTR R&D)	09-Apr-07	28-Sep-07	24.40	$49,540	32.16	$11,288	$60,828	$0	0.20
1132100M	FY07-SVT -R&D Report (DTCTR R&D)		28-Sep-07	0.00	$0	0.00	$0	$0	$0	0.20
1132800M	FY08-SVT -R&D Report (DETCTR R&D)		29-Sep-08	0.00	$0	0.00	$0	$0	$0	0.20
1132805	FY08-EC - Fullscale Proto Dsgn (DETCTR R&D)	01-Oct-07	31-Jan-08	15.80	$1,063	2.50	$0	$1,063	$0	0.20
1132810	FY08-EC - Manufacturing Box & Fixtures for Full Scale Proto (DETCTR R&D)	01-Feb-08	02-May-08	13.00	$4,140	2.50	$8,699	$12,839	$0	0.20
1132815	FY08-EC - Assy & Testing of prototype (DETCTR R&D)	05-May-08	29-Sep-08	20.60	$6,743	6.50	$0	$6,743	$0	0.20
1132820	FY08-DC - Mech prototyping (DETCTR R&D)	01-Oct-07	07-Apr-08	25.00	$8,858	9.00	$8,699	$17,557	$0	0.20
1132825	FY08-DC - Elect Prototypng (DETCTR R&D)	01-Oct-07	07-Apr-08	25.00	$5,308	3.00	$5,221	$10,529	$0	0.20
1132827M	FY08-HTCC -R&D Plans & Initl Sfty Assessmnt (DETCTR R&D)	01-Oct-07		0.00	$0	0.00	$0	$0	$0	0.20
1132829	FY08-HTCC - Testing of Proto (DETCTR R&D)	01-Oct-07	04-Jan-08	12.20	$1,349	2.80	$0	$1,349	$0	0.20
1132830	FY08-DC - Testing & Analysis of Proto (DETCTR R&D)	08-Apr-08	29-Sep-08	24.40	$5,308	3.00	$0	$5,308	$0	0.20
1132831M	FY08-HTCC -R&D Report (DETCTR R&D)		29-Sep-08	0.00	$0	0.00	$0	$0	$0	0.20
1132834M	FY08-EC -R&D Plans & Initl Sfty Assessmnt (DETCTR R&D)	01-Oct-07		0.00	$0	0.00	$0	$0	$0	0.20
1132835	FY08-FTOF - Fab Proto (DETCTR R&D)	01-Oct-07	28-Feb-08	19.60	$0	0.00	$5,221	$5,221	$0	0.20
1132840	FY08-FTOF - Testing & Data Analysis from Proto (DETCTR R&D)	29-Feb-08	29-Sep-08	29.80	$0	0.00	$3,478	$3,478	$0	0.20
1132841	FY08-HTCC - Analysis of Proto (DETCTR R&D)	07-Jan-08	29-Sep-08	37.20	$1,063	2.50	$0	$1,063	$0	0.20
1132845	FY08-CTOF - Dsgn of Proto (DETCTR R&D)	01-Oct-07	18-Dec-07	11.00	$0	0.00	$0	$0	$0	0.20
1132850	FY08-CTOF - Fab Proto (DETCTR R&D)	19-Dec-07	02-Apr-08	13.40	$0	0.00	$0	$0	$0	0.20
1132851M	FY08-EC -R&D Report (DETCTR R&D)		29-Sep-08	0.00	$0	0.00	$0	$0	$0	0.20
1132854M	FY08-DC Plans & Initl Sfty Assessmnt (DETCTR R&D)	01-Oct-07		0.00	$0	0.00	$0	$0	$0	0.20
1132855	FY08-CTOF - Testing of Proto (DETCTR R&D)	03-Apr-08	29-Sep-08	25.00	$0	0.00	$0	$5,160	$5,160	0.20
1132860	FY08-SVT - Prototypng (DETCTR R&D)	01-Oct-07	07-Apr-08	25.00	$10,955	8.00	$7,801	$18,756	$0	0.20
1132865	FY08-SVT - Testing of Proto (DETCTR R&D)	08-Apr-08	29-Sep-08	24.40	$15,189	9.70	$3,478	$18,666	$0	0.20



Primary Baseline | Actual Work | Remaining Work | Critical Remaining Work | Baseline Milestone | Milestone

TASK filter: All Activities

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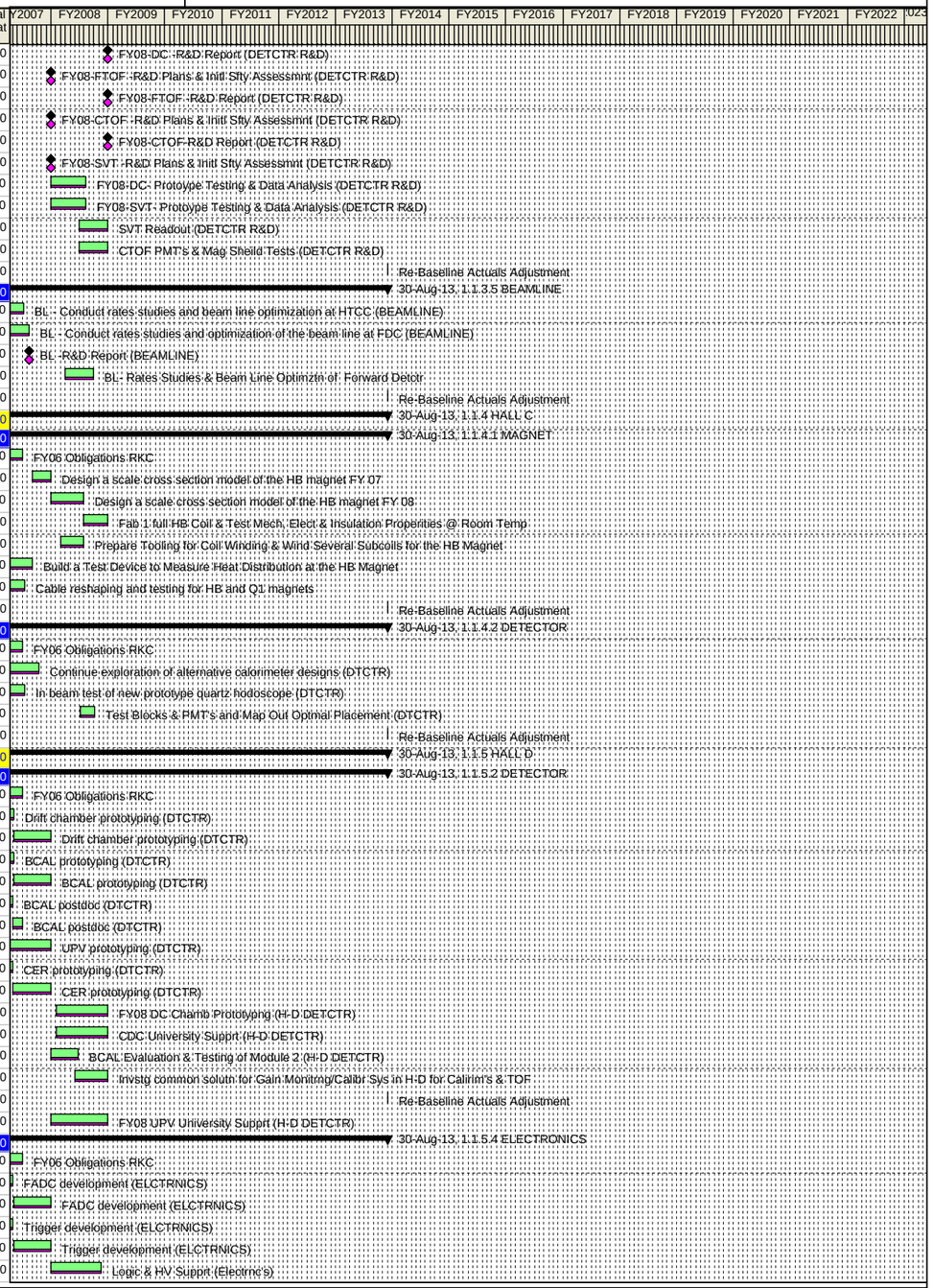
Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
1132865M	FY08-DC -R&D Report (DETCTR R&D)		29-Sep-08	0.00	$0	0.00	$0	$0	$0	0.20
1132869M	FY08-FTOF -R&D Plans & Initl Sfty Assessmnt (DETCTR R&D)	01-Oct-07		0.00	$0	0.00	$0	$0	$0	0.20
1132875M	FY08-FTOF -R&D Report (DETCTR R&D)		29-Sep-08	0.00	$0	0.00	$0	$0	$0	0.20
1132879M	FY08-CTOF -R&D Plans & Initl Sfty Assessmnt (DETCTR R&D)	01-Oct-07		0.00	$0	0.00	$0	$0	$0	0.20
1132890M	FY08-CTOF-R&D Report (DETCTR R&D)		29-Sep-08	0.00	$0	0.00	$0	$0	$0	0.20
1132894M	FY08-SVT -R&D Plans & Initl Sfty Assessmnt (DETCTR R&D)	01-Oct-07		0.00	$0	0.00	$0	$0	$0	0.20
1132895	FY08-DC- Protoype Testing & Data Analysis (DETCTR R&D)	01-Oct-07	12-May-08	30.00	$18,352	41.20	$0	$18,352	$0	11.20
1132897	FY08-SVT- Protoype Testing & Data Analysis (DETCTR R&D)	01-Oct-07	12-May-08	30.00	$26,563	55.60	$0	$26,563	$0	19.60
1132900	SVT Readout (DETCTR R&D)	01-Apr-08	30-Sep-08	25.60	$23,348	12.00	$50,000	$78,348	$5,000	0.00
1132905	CTOF PMT's & Mag Sheild Tests (DETCTR R&D)	01-Apr-08	30-Sep-08	25.60	$19,926	8.00	$18,000	$37,926	$0	0.00
1132910	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$32,649	$32,649	$0	4.00
1.1.3.5 BEAMLINE		02-Oct-06	30-Aug-13	342.80	$74,262	72.40	($11,290)	$67,102	$4,130	4.00
1135010	BL - Conduct rates studies and beam line optimization at HTCC (BEAMLINE)	02-Oct-06	06-Apr-07	25.00	$15,593	22.65	$0	$17,658	$2,065	40.60
1135015	BL - Conduct rates studies and optimization of the beam line at FDC (BEAMLINE)	02-Oct-06	10-May-07	29.80	$15,593	22.65	$0	$17,658	$2,065	35.80
1135020M	BL -R&D Report (BEAMLINE)	11-May-07		0.00	$0	0.00	$0	$0	$0	35.80
1135025	BL- Rates Studies & Beam Line Optimztn of Forward Detctr	02-Jan-08	27-Jun-08	25.00	$43,076	27.10	$0	$43,076	$0	4.60
1135030	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($11,290)	($11,290)	$0	4.00
1.1.4 HALL C		02-Oct-06	30-Aug-13	342.80	$115,395	121.00	$183,078	$318,509	$20,036	4.00
1.1.4.1 MAGNET		02-Oct-06	30-Aug-13	342.80	$28,236	18.00	$219,256	$254,771	$7,279	4.00
1141005RKC	FY06 Obligations RKC	02-Oct-06	30-Mar-07	24.00	$0	0.00	$73,801	$73,801	$0	66.60
1141010	Design a scale cross section model of the HB magnet FY 07	01-Jun-07*	28-Sep-07	16.80	$9,673	4.00	$0	$13,113	$3,440	0.00
1141011	Design a scale cross section model of the HB magnet FY 08	01-Oct-07	30-Apr-08	28.40	$4,947	2.00	$0	$6,722	$1,775	17.20
1141012	Fab 1 full HB Coil & Test Mech, Elect & Insulation Properities @ Room Temp	01-May-08	30-Sep-08	21.20	$0	0.00	$18,698	$18,698	$0	0.00
1141013	Prepare Tooling for Coil Winding & Wind Several Subcoils for the HB Magnet	03-Dec-07	30-Apr-08	19.80	$0	0.00	$18,574	$18,574	$0	0.00
1141015	Build a Test Device to Measure Heat Distribution at the HB Magnet	02-Oct-06	31-May-07	32.60	$13,616	12.00	$10,320	$26,000	$2,064	20.00
1141020	Cable reshaping and testing for HB and Q1 magnets	02-Oct-06	12-Apr-07	25.80	$0	0.00	$49,796	$49,796	$0	26.80
1141025	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$48,066	$48,066	$0	4.00
1.1.4.2 DETECTOR		02-Oct-06	30-Aug-13	342.80	$87,159	103.00	($36,178)	$63,739	$12,758	4.00
1141005RKC5	FY06 Obligations RKC	02-Oct-06	30-Mar-07	24.00	$0	0.00	$0	$6,048	$6,048	66.60
1142020	Continue exploration of alternative calorimeter designs (DTCTR)	02-Oct-06	17-Jul-07	39.00	$17,858	26.00	$0	$19,924	$2,066	85.00
1142025	In beam test of new prototype quartz hodoscope (DTCTR)	02-Oct-06	13-Apr-07	26.00	$54,306	55.00	$8,260	$67,210	$4,644	70.60
1142030	Test Blocks & PMT's and Map Out Optmal Placement (DTCTR)	08-Apr-08	09-Jul-08	13.00	$14,995	22.00	$0	$14,995	$0	11.60
1142035	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($44,438)	($44,438)	$0	4.00
1.1.5 HALL D		02-Oct-06	30-Aug-13	342.80	$680,668	703.69	$610,567	$1,378,685	$87,451	4.00
1.1.5.2 DETECTOR		02-Oct-06	30-Aug-13	342.80	$453,942	391.66	$517,711	$1,026,618	$54,964	4.00
1152001RKC	FY06 Obligations RKC	02-Oct-06	30-Mar-07	24.00	$0	0.00	$42,000	$96,965	$54,964	66.60
1152005	Drift chamber prototyping (DTCTR)	02-Oct-06	01-Feb-07	16.00	$94,228	51.89	$0	$94,228	$0	41.20
1152005A	Drift chamber prototyping (DTCTR)	02-Feb-07*	28-Sep-07	33.40	$140,612	66.00	$144,480	$285,092	$0	41.20
1152010	BCAL prototyping (DTCTR)	02-Oct-06	01-Feb-07	16.00	$20,702	17.86	$0	$20,702	$0	92.40
1152010A	BCAL prototyping (DTCTR)	02-Feb-07*	01-Oct-07	33.60	$73,501	33.00	$63,980	$137,481	$0	92.40
1152015LOE	BCAL postdoc (DTCTR)	02-Oct-06	01-Feb-07	15.80	$28,157	14.07	$0	$28,157	$0	118.20
1152015LOEA	BCAL postdoc (DTCTR)	01-Feb-07*	30-Mar-07	8.00	$0	0.00	$0	$0	$0	118.20
1152020	UPV prototyping (DTCTR)	02-Oct-06	28-Sep-07	49.40	$0	0.00	$20,640	$20,640	$0	70.60
1152025	CER prototyping (DTCTR)	02-Oct-06	01-Feb-07	15.80	$0	0.00	$0	$0	$0	70.80
1152025A	CER prototyping (DTCTR)	01-Feb-07*	28-Sep-07	33.40	$0	0.00	$41,280	$41,280	$0	70.80
1152030	FY08 DC Chamb Prototypng (H-D DETCTR)	07-Nov-07	29-Sep-08	44.00	$89,669	65.00	$0	$89,669	$0	0.20
1152035	CDC University Supprt (H-D DETCTR)	07-Nov-07	29-Sep-08	44.00	$0	67.00	$0	$0	$0	0.20
1152040	BCAL Evaluation & Testing of Module 2 (H-D DETCTR)	01-Oct-07	24-Mar-08	23.00	$0	46.00	$87,319	$87,319	$0	8.40
1152055	Invstg common solutn for Gain Monitrng/Calibr Sys in H-D for Calirim's & TOF	03-Mar-08	30-Sep-08	29.80	$7,074	2.84	$30,000	$37,074	$0	0.00
1152060	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$88,011	$88,011	$0	4.00
1152945LOE	FY08 UPV University Supprt (H-D DETCTR)	01-Oct-07	30-Sep-08	49.60	$0	28.00	$0	$0	$0	0.00
1.1.5.4 ELECTRONICS		02-Oct-06	30-Aug-13	342.80	$171,893	150.20	$56,313	$236,195	$7,990	4.00
1154001RKC	FY06 Obligations RKC	02-Oct-06	30-Mar-07	24.00	$0	0.00	$0	$7,990	$7,990	66.60
1154005	FADC development (ELCTRNICS)	02-Oct-06	01-Feb-07	15.80	$10,322	4.02	$0	$10,322	$0	22.80
1154005A	FADC development (ELCTRNICS)	02-Feb-07*	28-Sep-07	33.40	$0	0.00	$51,600	$51,600	$0	22.60
1154010	Trigger development (ELCTRNICS)	02-Oct-06	01-Feb-07	15.80	$0	0.00	$0	$0	$0	90.80
1154010A	Trigger development (ELCTRNICS)	02-Feb-07*	28-Sep-07	33.40	$66,920	55.18	$20,640	$87,560	$0	90.60
1154015	Logic & HV Supprt (Electrnc's)	01-Oct-07	20-Aug-08	44.00	$0	9.00	$21,298	$21,298	$0	0.60



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Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
1154020	Develop a Clock Distrbtn Sys to FADC Boards (Electrnc's)	01-Oct-07	10-Jan-08	13.00	$24,908	10.00	$0	$24,908	$0	4.60
1154025	Develop Clock Distrbtn for TDCs (Electrnc's)	01-Oct-07	14-Apr-08	26.00	$34,871	14.00	$0	$34,871	$0	15.20
1154030	Collection of Energy Sums into Trigger (Electrnc's)	11-Jan-08	16-Jul-08	26.00	$0	15.00	$0	$0	$0	4.60
1154035	Collection of Track Counts into Trigger (Electrnc's)	01-Oct-07	14-Apr-08	26.00	$0	0.00	$22,361	$22,361	$0	0.60
1154040	Proto Dsgn for Master Trigger (Electrnc's)	25-Mar-08	25-Sep-08	26.00	$0	15.00	$0	$0	$0	0.60
1154045	Develop Signal Distrbtn to All Crates (Electrnc's)	01-Oct-07	14-Apr-08	26.00	$0	0.00	$10,649	$10,649	$0	23.60
1154050	Evaluate Backplane Use of Crates for Dataways, especially FADCs (Electrnc's)	01-Oct-07	14-Apr-08	26.00	$0	14.00	$0	$0	$0	23.60
1154055	Specify HV & Low Voltage Supplies (Electrnc's)	25-Jun-08	25-Sep-08	13.00	$17,436	7.00	$0	$17,436	$0	0.60
1154060	Specify Discriminators & Logic for DAQ/Trigger Integration (Electrnc's)	25-Jun-08	25-Sep-08	13.00	$17,436	7.00	$0	$17,436	$0	0.60
1154065	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($70,236)	($70,236)	$0	4.00
1.1.5.5 BEAMLINE		02-Oct-06	30-Aug-13	342.80	$54,833	161.83	$36,543	$115,872	$24,497	4.00
1155001RKC	FY06 Obligations RKC	02-Oct-06	30-Mar-07	24.00	$0	0.00	$0	$24,497	$24,497	66.60
1155005	Hodoscope prototyping (BEAMLINE)	02-Oct-06	01-Feb-07	15.80	$0	0.00	$0	$0	$0	34.80
1155005A	Hodoscope prototyping (BEAMLINE)	02-Feb-07*	28-Sep-07	33.40	$30,603	80.00	$12,384	$42,987	$0	34.60
1155010	Conduct Diamond studies (BEAMLINE)	02-Oct-06	01-Feb-07	16.00	$2,121	5.33	$0	$2,121	$0	26.60
1155010A	Conduct Diamond studies (BEAMLINE)	02-Feb-07	28-Sep-07	33.40	$5,547	14.50	$18,576	$24,123	$0	26.60
1155015	Proto SiPM Readout for Microscope (BL)	01-Oct-07	03-Jan-08	12.00	$8,281	22.00	$0	$8,281	$0	17.20
1155020	Proto Microscope Mounting Frame (BL)	04-Jan-08	31-Mar-08	12.00	$8,281	22.00	$0	$8,281	$0	17.20
1155025	Proto Mounting Schemes for Thin Crystals (BL)	01-Oct-07	03-Jan-08	12.00	$0	0.00	$5,428	$5,428	$0	29.20
1155030	Check Current Sensitivity of Active Collimator Electrnc's (BL)	01-Oct-07	03-Jan-08	12.00	$0	18.00	$0	$0	$0	29.20
1155035	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$155	$155	$0	4.00
1.1.6 CIVIL		30-Aug-13	30-Aug-13	0.20	$0	0.00	$0	$0	$0	4.00
1.1.6.1 HALL D		30-Aug-13	30-Aug-13	0.20	$0	0.00	$0	$0	$0	4.00
1161000	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$0	$0	$0	4.00
1.1.7 R&D PROJECT MANAGEMENT		02-Oct-06	30-Aug-13	342.80	$348,789	159.82	$44,495	$393,284	$0	4.00
117000LOE	FY07 R&D Project Management	02-Oct-06	28-Sep-07	49.40	$184,299	85.90	$0	$184,299	$0	0.00
117908LOE	FY08 R&D Project Management	01-Oct-07	30-Sep-08	49.60	$164,490	73.92	$0	$164,490	$0	0.00
117910	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$44,495	$44,495	$0	4.00
1.2 PED		02-Oct-06	30-Aug-13	342.80	$14,568,061	7440.45	$2,977,498	$18,886,944	$1,341,385	63.40
1.2.1 ACCELERATOR SYSTEMS		02-Oct-06	30-Aug-13	342.80	$6,750,996	3058.99	$558,388	$8,184,665	$875,281	63.40
1.2.1.1 CRYOMODULES		02-Oct-06	30-Aug-13	342.80	$564,190	264.66	$32,878	$733,731	$136,663	4.00
1211005M5	FY07 Internal Intermediate Design and Safety Review		25-Jun-07	0.00	$0	0.00	$0	$0	$0	63.00
1211020M	FY09 Cvity String Pre-Construction Dsgn & Sfty Review for CM		28-Apr-09	0.00	$0	0.00	$0	$0	$0	21.60
1211020M10	FY09 Cryomodule Pre-construction Dsgn & Sfty Review for CM		29-Sep-09	0.00	$0	0.00	$0	$0	$0	-4.80
1211020M15	FY09 Cryomodule Misc Pre-construction Dsgn & Sfty Review for CM		29-Sep-09	0.00	$0	0.00	$0	$0	$0	0.20
1211020M5	FY09 Space Frame Pre-construction Dsgn & Sfty Review for CM		29-Sep-09	0.00	$0	0.00	$0	$0	$0	0.20
1.2.1.1.1 CAVITY STRING ASSEMBLY		15-Aug-07	30-Aug-13	299.70	$72,797	32.61	$55,736	$134,166	$5,633	4.00
1.2.1.1.1.1 CAVITIES		12-Nov-07	30-Aug-13	287.40	$19,832	8.00	$30,844	$50,676	$0	4.00
121111005	FY08 Final Dsgn Cavity	12-Nov-07	10-Jun-08	28.00	$19,832	8.00	$0	$19,832	$0	7.20
121111010M	FY08 Final Dsgn Comptd for Cavity		10-Jun-08	0.00	$0	0.00	$0	$0	$0	7.20
121111015	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$30,844	$30,844	$0	4.00
1.2.1.1.1.3 FUNDAMENTAL POWER COUPLER		13-Mar-08	30-Aug-13	272.00	$20,665	10.00	$4,939	$25,604	$0	4.00
121113005	FY08 Final Dsgn FPC	13-Mar-08	29-Sep-08	28.00	$20,665	10.00	$0	$20,665	$0	46.00
121113010M	FY08 Final Dsgn Comptd for FPC		29-Sep-08	0.00	$0	0.00	$0	$0	$0	49.80
121113015	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$4,939	$4,939	$0	4.00
1.2.1.1.1.4 MISC. CAVITY STRING COMPONENTS		04-Mar-09	30-Aug-13	223.80	$4,306	2.00	$457	$4,763	$0	4.00
121114005	Final Dsgn, Misc Cavity String Components	04-Mar-09	18-Sep-09	28.00	$4,306	2.00	$0	$4,306	$0	1.60
121114010M	FY09 Final Dsgn Comptd for Misc Cavity String Components		18-Sep-09	0.00	$0	0.00	$0	$0	$0	1.60
121114015	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$457	$457	$0	4.00
1.2.1.1.1.5 HOM/FIELD PROBES		01-Oct-07	30-Aug-13	293.40	$17,975	8.00	($17,975)	$0	$0	4.00
121115005	Final Dsgn HOM/Field Probes	01-Oct-07	28-Apr-08	28.00	$17,975	8.00	$0	$17,975	$0	71.20
121115010M	FY08 Final Dsgn Comptd for HOM/Field Probes		28-Apr-08	0.00	$0	0.00	$0	$0	$0	71.20
121115015	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($17,975)	($17,975)	$0	4.00
1.2.1.1.1.6 HELIUM VESSELS		15-Aug-07	30-Aug-13	299.70	$10,019	4.61	$37,471	$53,123	$5,633	4.00
121116005	Design Helium Headers Preliminary (HELIUM VESSLS)	15-Aug-07	25-Sep-07	5.60	$3,923	1.83	$0	$3,923	$0	19.40
121116010	Design Helium Headers Initial Phase Final Design (HELIUM VESSLS)	26-Nov-08	15-Dec-08	2.40	$1,790	0.78	$0	$1,790	$0	1.40
121116015	Final Phase Final Dsgn, Helium Headers	01-Oct-08	28-Apr-09	28.00	$4,306	2.00	$0	$9,939	$5,633	21.60
121116020M	FY08 Final Dsgn Comptd for Helium Headers		28-Apr-09	0.00	$0	0.00	$0	$0	$0	21.60
121116025	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$37,471	$37,471	$0	4.00

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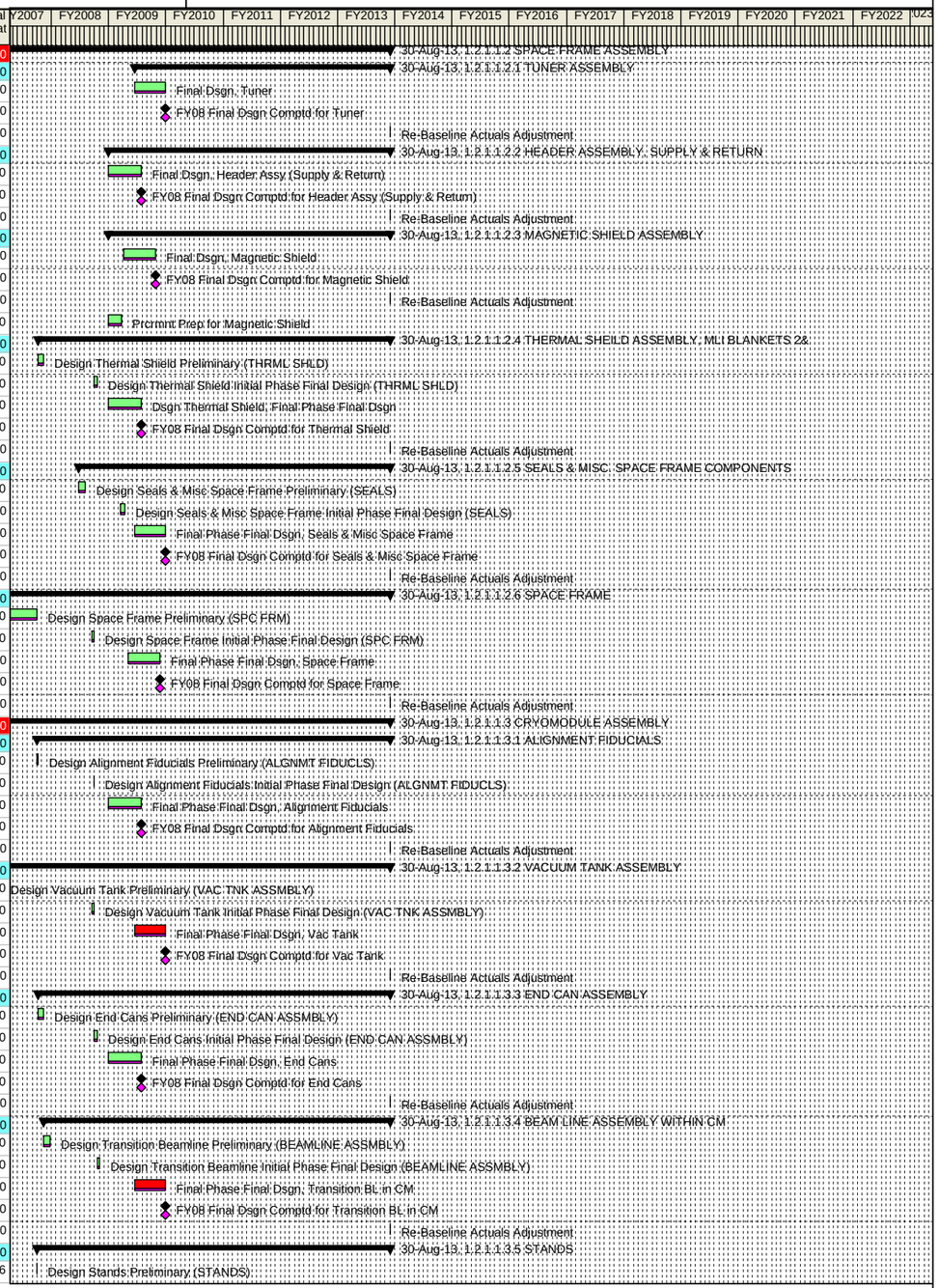
Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
1.2.1.1.2 SPACE FRAME ASSEMBLY		02-Oct-06	30-Aug-13	342.80	$132,439	62.34	$86,824	$247,448	$28,186	4.00
1.2.1.1.2.1 TUNER ASSEMBLY		13-Mar-09	30-Aug-13	222.40	$20,254	10.00	($36,965)	$198	$16,909	4.00
121121005	Final Dsgn, Tuner	13-Mar-09	29-Sep-09	28.00	$20,254	10.00	$0	$37,163	$16,909	0.20
121121010M	FY08 Final Dsgn Comptd for Tuner		29-Sep-09	0.00	$0	0.00	$0	$0	$0	0.20
121121015	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($36,965)	($36,965)	$0	4.00
1.2.1.1.2.2 HEADER ASSEMBLY, SUPPLY & RETURN		01-Oct-08	30-Aug-13	243.80	$6,060	3.00	$447	$6,506	$0	4.00
121122005	Final Dsgn, Header Assy (Supply & Return)	01-Oct-08	28-Apr-09	28.00	$6,060	3.00	$0	$6,060	$0	21.60
121122010M	FY08 Final Dsgn Comptd for Header Assy (Supply & Return)		28-Apr-09	0.00	$0	0.00	$0	$0	$0	21.60
121122015	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$447	$447	$0	4.00
1.2.1.1.2.3 MAGNETIC SHIELD ASSEMBLY		01-Oct-08	30-Aug-13	243.80	$12,672	5.68	$11,263	$35,211	$11,276	4.00
121123005	Final Dsgn, Magnetic Shield	05-Jan-09	23-Jul-09	28.00	$11,212	5.00	$0	$22,489	$11,276	9.60
121123010M	FY08 Final Dsgn Comptd for Magnetic Shield		23-Jul-09	0.00	$0	0.00	$0	$0	$0	9.60
121123015	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$11,263	$11,263	$0	4.00
131133010XD	Prcrmnt Prep for Magnetic Shield	01-Oct-08	24-Dec-08	11.80	$1,460	0.68	$0	$1,460	$0	20.20
1.2.1.1.2.4 THERMAL SHEILD ASSEMBLY, MLI BLANKETS 2&		06-Jul-07	30-Aug-13	305.30	$18,009	9.22	$83,810	$101,819	$0	4.00
121124005	Design Thermal Shield Preliminary (THRML SHLD)	06-Jul-07	15-Aug-07	5.60	$7,845	3.65	$0	$7,845	$0	19.40
121124010	Design Thermal Shield Initial Phase Final Design (THRML SHLD)	03-Jul-08	21-Jul-08	2.40	$3,065	1.57	$0	$3,065	$0	19.40
121124015	Dsgn Thermal Shield, Final Phase Final Dsgn	01-Oct-08	28-Apr-09	28.00	$7,099	4.00	$0	$7,099	$0	21.60
121124020M	FY08 Final Dsgn Comptd for Thermal Shield		28-Apr-09	0.00	$0	0.00	$0	$0	$0	21.60
121124025	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$83,810	$83,810	$0	4.00
1.2.1.1.2.5 SEALS & MISC. SPACE FRAME COMPONENTS		26-Mar-08	30-Aug-13	270.10	$31,991	14.48	$10,008	$41,999	$0	4.00
121125005	Design Seals & Misc Space Frame Preliminary (SEALS)	26-Mar-08	05-May-08	5.60	$5,554	2.44	$0	$5,554	$0	19.40
121125010	Design Seals & Misc Space Frame Initial Phase Final Design (SEALS)	16-Dec-08	08-Jan-09	2.40	$2,456	1.04	$0	$2,456	$0	1.40
121125015	Final Phase Final Dsgn, Seals & Misc Space Frame	13-Mar-09	29-Sep-09	28.00	$23,980	11.00	$0	$23,980	$0	0.20
121125020M	FY08 Final Dsgn Comptd for Seals & Misc Space Frame		29-Sep-09	0.00	$0	0.00	$0	$0	$0	0.20
121125025	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$10,008	$10,008	$0	4.00
1.2.1.1.2.6 SPACE FRAME		02-Oct-06	30-Aug-13	342.80	$43,453	19.96	$18,261	$61,714	$0	4.00
121126005	Design Space Frame Preliminary (SPC FRM)	02-Oct-06	29-Jun-07	36.80	$11,191	4.87	$0	$11,191	$0	19.40
121126010	Design Space Frame Initial Phase Final Design (SPC FRM)	13-Jun-08	01-Jul-08	2.40	$4,761	2.09	$0	$4,761	$0	19.40
121126015	Final Phase Final Dsgn, Space Frame	03-Feb-09	20-Aug-09	28.00	$27,502	13.00	$0	$27,502	$0	5.60
121126020M	FY08 Final Dsgn Comptd for Space Frame		20-Aug-09	0.00	$0	0.00	$0	$0	$0	5.60
121126025	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$18,261	$18,261	$0	4.00
1.2.1.1.3 CRYOMODULE ASSEMBLY		02-Oct-06	30-Aug-13	342.80	$305,643	142.71	($79,842)	$294,816	$69,015	4.00
1.2.1.1.3.1 ALIGNMENT FIDUCIALS		02-Jul-07	30-Aug-13	306.00	$7,858	3.74	($7,858)	$0	$0	4.00
121131005	Design Alignment Fiducials Preliminary (ALGNMT FIDUCLS)	02-Jul-07	06-Jul-07	0.70	$2,463	1.22	$0	$2,463	$0	19.40
121131010	Design Alignment Fiducials Initial Phase Final Design (ALGNMT FIDUCLS)	01-Jul-08	02-Jul-08	0.30	$1,089	0.52	$0	$1,089	$0	19.40
121131015	Final Phase Final Dsgn, Alignment Fiducials	01-Oct-08	28-Apr-09	28.00	$4,306	2.00	$0	$4,306	$0	16.60
121131020M	FY08 Final Dsgn Comptd for Alignment Fiducials		28-Apr-09	0.00	$0	0.00	$0	$0	$0	16.60
121131025	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($7,858)	($7,858)	$0	4.00
1.2.1.1.3.2 VACUUM TANK ASSEMBLY		02-Oct-06	30-Aug-13	342.80	$37,390	16.96	($1,703)	$35,687	$0	4.00
121132005	Design Vacuum Tank Preliminary (VAC TNK ASSMBLY)	02-Oct-06	08-Nov-06	5.60	$11,187	4.87	$0	$11,187	$0	50.60
121132010	Design Vacuum Tank Initial Phase Final Design (VAC TNK ASSMBLY)	13-Jun-08	01-Jul-08	2.40	$4,761	2.09	$0	$4,761	$0	19.40
121132015	Final Phase Final Dsgn, Vac Tank	13-Mar-09	29-Sep-09	28.00	$21,442	10.00	$0	$21,442	$0	-4.80
121132020M	FY08 Final Dsgn Comptd for Vac Tank		29-Sep-09	0.00	$0	0.00	$0	$0	$0	-4.80
121132025	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($1,703)	($1,703)	$0	4.00
1.2.1.1.3.3 END CAN ASSEMBLY		06-Jul-07	30-Aug-13	305.30	$35,367	15.96	$13,566	$48,933	$0	4.00
121133005	Design End Cans Preliminary (END CAN ASSMBLY)	06-Jul-07	15-Aug-07	5.60	$10,765	4.87	$0	$10,765	$0	19.40
121133010	Design End Cans Initial Phase Final Design (END CAN ASSMBLY)	03-Jul-08	21-Jul-08	2.40	$4,761	2.09	$0	$4,761	$0	19.40
121133015	Final Phase Final Dsgn, End Cans	01-Oct-08	28-Apr-09	28.00	$19,841	9.00	$0	$19,841	$0	16.60
121133020M	FY08 Final Dsgn Comptd for End Cans		28-Apr-09	0.00	$0	0.00	$0	$0	$0	16.60
121133025	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$13,566	$13,566	$0	4.00
1.2.1.1.3.4 BEAM LINE ASSEMBLY WITHIN CM		15-Aug-07	30-Aug-13	299.70	$27,949	13.35	$39,224	$78,450	$11,276	4.00
121134005	Design Transition Beamline Preliminary (BEAMLINE ASSMBLY)	15-Aug-07	25-Sep-07	5.60	$6,386	3.05	$0	$6,386	$0	19.40
121134010	Design Transition Beamline Initial Phase Final Design (BEAMLINE ASSMBLY)	22-Jul-08	06-Aug-08	2.40	$2,824	1.31	$0	$2,824	$0	19.40
121134015	Final Phase Final Dsgn, Transition BL in CM	13-Mar-09	29-Sep-09	28.00	$18,740	9.00	$0	$30,016	$11,276	-4.80
121134020M	FY08 Final Dsgn Comptd for Transition BL in CM		29-Sep-09	0.00	$0	0.00	$0	$0	$0	-4.80
121134025	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$39,224	$39,224	$0	4.00
1.2.1.1.3.5 STANDS		02-Jul-07	30-Aug-13	306.00	$7,858	3.74	($7,858)	$0	$0	4.00
121135005	Design Stands Preliminary (STANDS)	02-Jul-07	02-Jul-07	0.14	$2,463	1.22	$0	$2,463	$0	19.96



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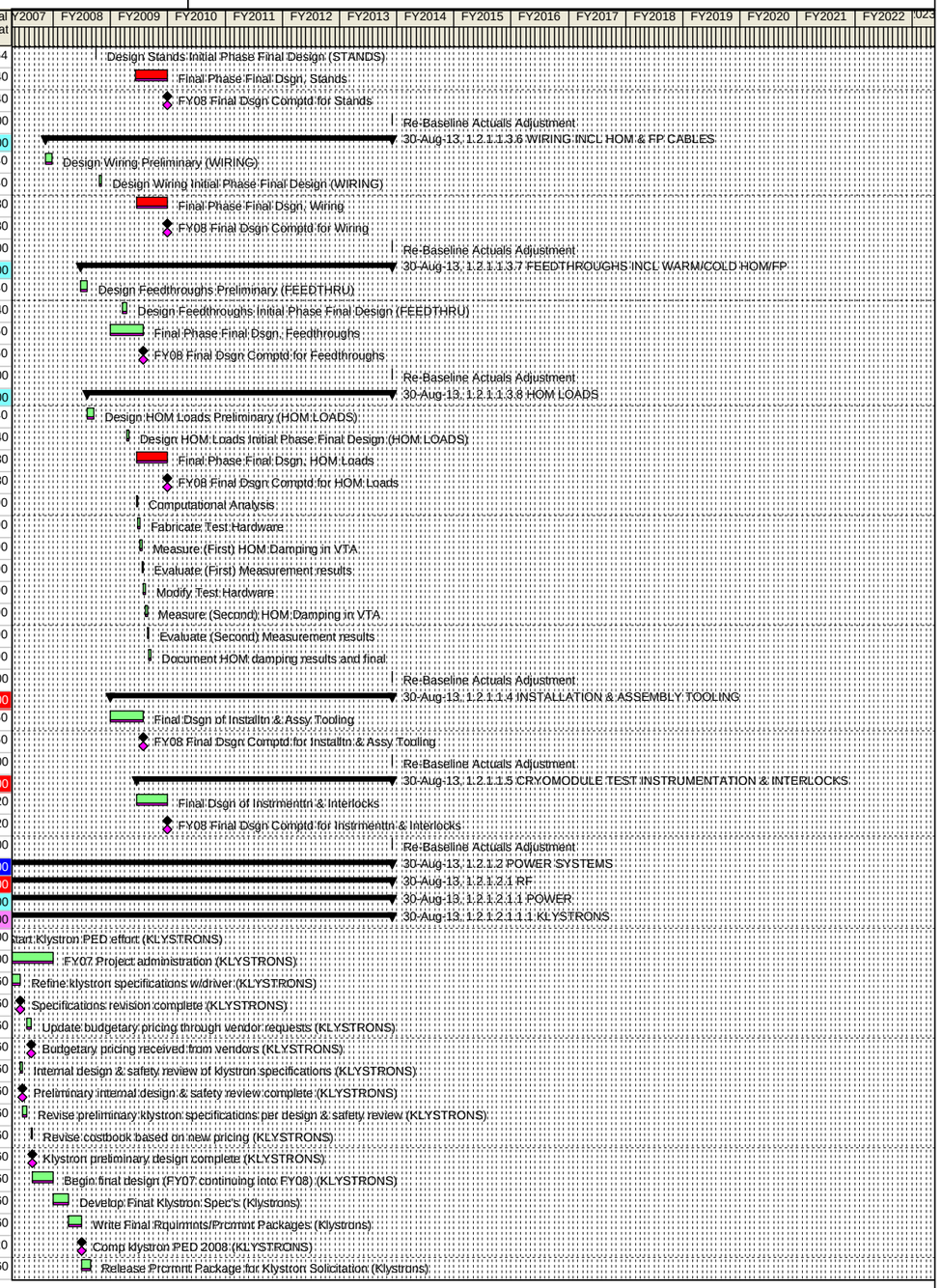
Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
121135010	Design Stands Initial Phase Final Design (STANDS)	01-Jul-08	01-Jul-08	0.06	$1,089	0.52	$0	$1,089	$0	19.64
121135015	Final Phase Final Dsgn, Stands	11-Mar-09	25-Sep-09	28.00	$4,306	2.00	$0	$4,306	$0	-4.40
121135020M	FY08 Final Dsgn Comptd for Stands		25-Sep-09	0.00	$0	0.00	$0	$0	$0	-4.40
121135025	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($7,858)	($7,858)	$0	4.00
1.2.1.1.3.6 WIRING INCL HOM & FP CABLES		15-Aug-07	30-Aug-13	299.70	$25,880	12.61	($29,255)	$2,258	$5,633	4.00
121136005	Design Wiring Preliminary (WIRING)	15-Aug-07	25-Sep-07	5.60	$3,923	1.83	$0	$3,923	$0	19.40
121136010	Design Wiring Initial Phase Final Design (WIRING)	22-Jul-08	06-Aug-08	2.40	$1,735	0.78	$0	$1,735	$0	19.40
121136015	Final Phase Final Dsgn, Wiring	13-Mar-09	29-Sep-09	28.00	$20,223	10.00	$0	$25,856	$5,633	-4.80
121136020M	FY08 Final Dsgn Comptd for Wiring		29-Sep-09	0.00	$0	0.00	$0	$0	$0	-4.80
121136025	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($29,255)	($29,255)	$0	4.00
1.2.1.1.3.7 FEEDTHROUGHS INCL WARM/COLD HOM/FP		26-Mar-08	30-Aug-13	270.10	$38,172	19.61	$6,586	$67,311	$22,553	4.00
121137005	Design Feedthroughs Preliminary (FEEDTHRU)	26-Mar-08	05-May-08	5.60	$4,048	1.83	$0	$4,048	$0	19.40
121137010	Design Feedthroughs Initial Phase Final Design (FEEDTHRU)	16-Dec-08	08-Jan-09	2.40	$1,790	0.78	$0	$1,790	$0	1.40
121137015	Final Phase Final Dsgn, Feedthroughs	01-Oct-08	28-Apr-09	28.00	$32,334	17.00	$0	$54,887	$22,553	16.60
121137020M	FY08 Final Dsgn Comptd for Feedthroughs		28-Apr-09	0.00	$0	0.00	$0	$0	$0	16.60
121137025	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$6,586	$6,586	$0	4.00
1.2.1.1.3.8 HOM LOADS		05-May-08	30-Aug-13	264.50	$125,169	56.74	($92,544)	$62,178	$29,553	4.00
121138005	Design HOM Loads Preliminary (HOM LOADS)	05-May-08	13-Jun-08	5.60	$2,541	1.22	$0	$2,541	$0	19.40
121138010	Design HOM Loads Initial Phase Final Design (HOM LOADS)	09-Jan-09	27-Jan-09	2.40	$1,124	0.52	$0	$1,124	$0	1.40
121138015	Final Phase Final Dsgn, HOM Loads	13-Mar-09	29-Sep-09	28.00	$38,089	17.00	$0	$60,642	$22,553	-4.80
121138020M	FY08 Final Dsgn Comptd for HOM Loads		29-Sep-09	0.00	$0	0.00	$0	$0	$0	-4.80
121138025	Computational Analysis	16-Mar-09	23-Mar-09	1.00	$2,570	1.00	$0	$2,570	$0	14.90
121138030	Fabricate Test Hardware	23-Mar-09	06-Apr-09	2.00	$7,542	4.00	$0	$11,542	$4,000	14.90
121138035	Measure (First) HOM Damping in VTA	06-Apr-09	20-Apr-09	2.00	$22,342	11.00	$0	$22,342	$0	14.90
121138040	Evaluate (First) Measurement results	20-Apr-09	27-Apr-09	1.00	$11,824	4.00	$0	$11,824	$0	14.90
121138045	Modify Test Hardware	27-Apr-09	11-May-09	2.00	$7,542	4.00	$0	$10,542	$3,000	14.90
121138050	Measure (Second) HOM Damping in VTA	11-May-09	26-May-09	2.00	$22,342	11.00	$0	$22,342	$0	14.90
121138055	Evaluate (Second) Measurement results	26-May-09	02-Jun-09	1.00	$6,683	2.00	$0	$6,683	$0	14.90
121138060	Document HOM damping results and final	02-Jun-09	16-Jun-09	2.00	$2,570	1.00	$0	$2,570	$0	14.90
121138065	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($92,544)	($92,544)	$0	4.00
1.2.1.1.4 INSTALLATION & ASSEMBLY TOOLING		01-Oct-08	30-Aug-13	243.80	$27,474	14.00	($19,124)	$30,903	$22,553	4.00
12114000	Final Dsgn of Installtn & Assy Tooling	01-Oct-08	28-Apr-09	28.00	$27,474	14.00	$0	$50,027	$22,553	21.60
12114005M	FY08 Final Dsgn Comptd for Installtn & Assy Tooling		28-Apr-09	0.00	$0	0.00	$0	$0	$0	21.60
12114010	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($19,124)	($19,124)	$0	4.00
1.2.1.1.5 CRYOMODULE TEST INSTRUMENTATION & INTERLOCKS		13-Mar-09	30-Aug-13	222.40	$25,837	13.00	($10,716)	$26,397	$11,276	4.00
12115000	Final Dsgn of Instrmenttn & Interlocks	13-Mar-09	29-Sep-09	28.00	$25,837	13.00	$0	$37,113	$11,276	0.20
12115005M	FY08 Final Dsgn Comptd for Instrmenttn & Interlocks		29-Sep-09	0.00	$0	0.00	$0	$0	$0	0.20
12115010	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($10,716)	($10,716)	$0	4.00
1.2.1.2 POWER SYSTEMS		02-Oct-06	30-Aug-13	342.80	$1,682,197	763.19	$248,100	$2,028,365	$98,068	4.00
1.2.1.2.1 RF		02-Oct-06	30-Aug-13	342.80	$1,391,800	633.54	$126,475	$1,586,292	$68,017	4.00
1.2.1.2.1.1 POWER		02-Oct-06	30-Aug-13	342.80	$585,075	257.62	($22,655)	$601,128	$38,708	4.00
1.2.1.2.1.1.1 KLYSTRONS		02-Oct-06	30-Aug-13	342.80	$169,660	48.79	($1,968)	$181,333	$13,640	4.00
1212111100	Start Klystron PED effort (KLYSTRONS)	02-Oct-06		0.00	$0	0.00	$0	$0	$0	0.00
121211100	FY07 Project administration (KLYSTRONS)	02-Oct-06	28-Sep-07	49.40	$38,132	9.57	$0	$38,132	$0	0.00
1212111010	Refine klystron specifications w/driver (KLYSTRONS)	02-Oct-06	02-Mar-07	20.00	$6,579	3.05	$0	$6,579	$0	1.60
121211101	Specifications revision complete (KLYSTRONS)		02-Mar-07	0.00	$0	0.00	$0	$0	$0	1.60
1212111020	Update budgetary pricing through vendor requests (KLYSTRONS)	16-Apr-07	11-May-07	4.00	$649	0.26	$0	$4,775	$4,126	1.60
121211102	Budgetary pricing received from vendors (KLYSTRONS)		11-May-07	0.00	$0	0.00	$0	$0	$0	1.60
1212111030	Internal design & safety review of klystron specifications (KLYSTRONS)	05-Mar-07	16-Mar-07	2.00	$1,150	0.43	$0	$3,214	$2,064	1.60
121211103	Preliminary internal design & safety review complete (KLYSTRONS)		16-Mar-07	0.00	$0	0.00	$0	$0	$0	1.60
1212111040	Revise preliminary klystron specifications per design & safety review (KLYSTRONS)	19-Mar-07	13-Apr-07	4.00	$446	0.17	$0	$446	$0	1.60
1212111045	Revise costbook based on new pricing (KLYSTRONS)	14-May-07	18-May-07	1.00	$1,081	0.43	$0	$1,081	$0	1.60
121211105	Klystron preliminary design complete (KLYSTRONS)		18-May-07	0.00	$0	0.00	$0	$0	$0	1.60
1212111055	Begin final design (FY07 continuing into FY08) (KLYSTRONS)	21-May-07	28-Sep-07	18.40	$2,119	0.87	$0	$2,119	$0	1.60
1212111070	Develop Final Klystron Spec's (Klystrons)	01-Oct-07	03-Jan-08	12.00	$5,075	3.10	$0	$7,200	$2,126	1.60
1212111075	Write Final Rquirmnts/Prcrmnt Packages (Klystrons)	04-Jan-08	31-Mar-08	12.00	$2,988	1.20	$0	$5,650	$2,662	1.60
121211108	Comp klystron PED 2008 (KLYSTRONS)		31-Mar-08	0.00	$0	0.00	$0	$0	$0	16.20
1212111085	Release Prcrmnt Package for Klystron Solicitation (Klystrons)	01-Apr-08	27-May-08	8.00	$2,280	1.20	$0	$4,942	$2,662	1.60



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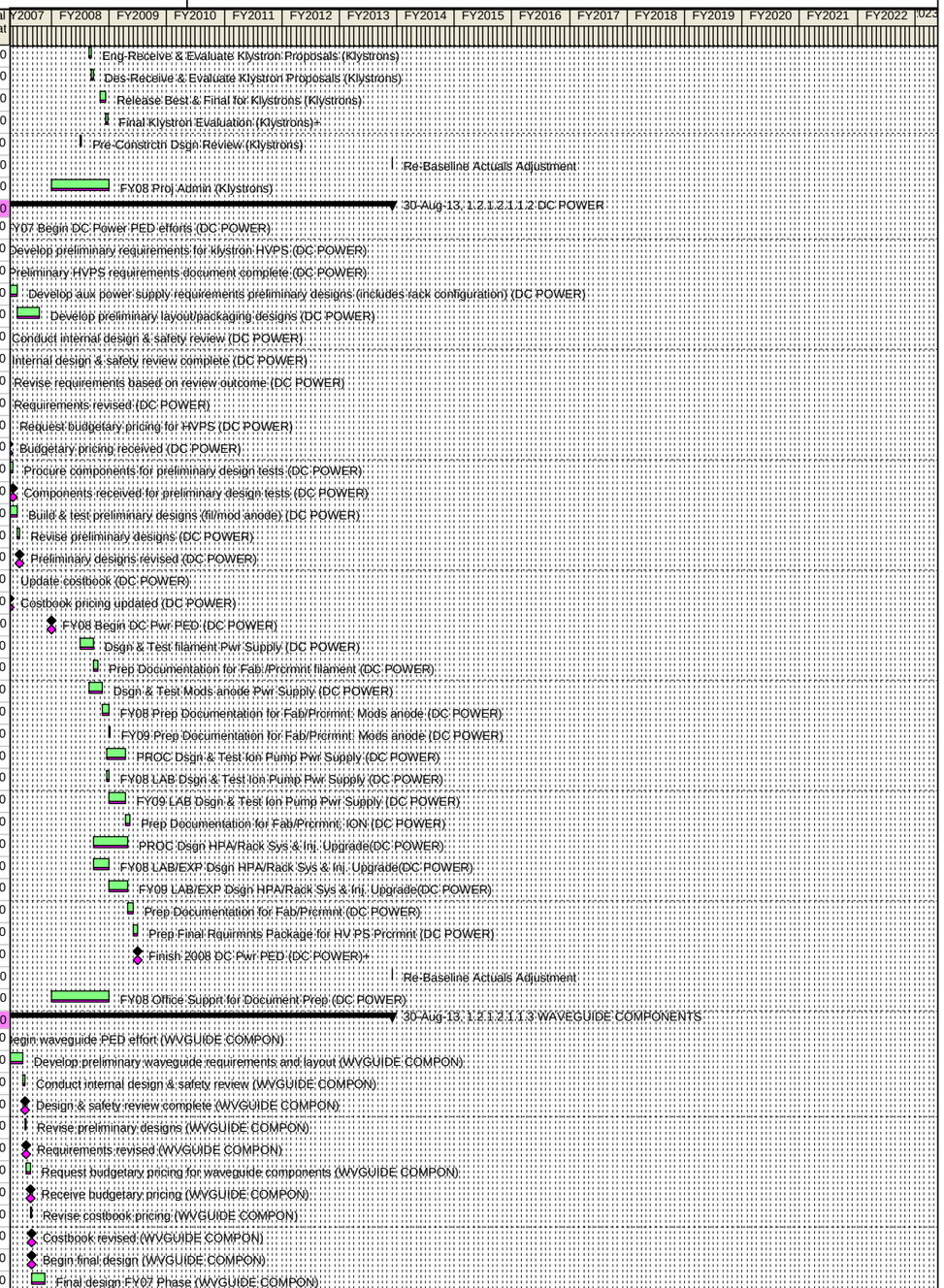
Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
1212111100	Eng-Receive & Evaluate Klystron Proposals (Klystrons)	28-May-08	10-Jun-08	2.00	$1,245	0.50	$0	$1,245	$0	1.60
1212111110	Des-Receive & Evaluate Klystron Proposals (Klystrons)	11-Jun-08	24-Jun-08	2.00	$1,782	1.00	$0	$1,782	$0	1.60
1212111115	Release Best & Final for Klystrons (Klystrons)	07-Aug-08	04-Sep-08	4.00	$1,245	0.50	$0	$1,245	$0	1.60
1212111120	Final Klystron Evaluation (Klystrons)+	05-Sep-08	18-Sep-08	2.00	$1,245	0.50	$0	$1,245	$0	1.60
1212111170	Pre-Constrctn Dsgn Review (Klystrons)	01-Apr-08	07-Apr-08	1.00	$0	0.00	$0	$0	$0	16.20
1212111175	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($1,968)	($1,968)	$0	4.00
121211190(	FY08 Proj Admin (Klystrons)	01-Oct-07	30-Sep-08	49.60	$103,646	26.00	$0	$103,646	$0	0.00
1.2.1.2.1.1.2 DC POWER		02-Oct-06	30-Aug-13	342.80	$362,365	181.19	($271)	$379,386	$17,292	4.00
121211200(	FY07 Begin DC Power PED efforts (DC POWER)	02-Oct-06		0.00	$0	0.00	$0	$0	$0	32.00
1212112005	Develop preliminary requirements for klystron HVPS (DC POWER)	02-Oct-06	20-Oct-06	3.00	$2,299	0.87	$0	$2,299	$0	32.00
121211201(	Preliminary HVPS requirements document complete (DC POWER)		20-Oct-06	0.00	$0	0.00	$0	$0	$0	32.00
1212112015	Develop aux power supply requirements preliminary designs (includes rack configuration...	23-Oct-06	23-Feb-07	16.00	$16,258	6.96	$0	$16,258	$0	109.60
1212112020	Develop preliminary layout/packaging designs (DC POWER)	26-Feb-07	17-Jul-07	20.00	$7,959	3.92	$0	$11,054	$3,095	109.60
1212112025	Conduct internal design & safety review (DC POWER)	30-Oct-06	10-Nov-06	2.00	$3,196	1.74	$0	$3,196	$0	32.00
121211203(	Internal design & safety review complete (DC POWER)		10-Nov-06	0.00	$0	0.00	$0	$0	$0	32.00
1212112035	Revise requirements based on review outcome (DC POWER)	13-Nov-06	28-Nov-06	2.00	$3,449	1.31	$0	$3,449	$0	32.00
121211204(	Requirements revised (DC POWER)		28-Nov-06	0.00	$0	0.00	$0	$0	$0	32.00
1212112045	Request budgetary pricing for HVPS (DC POWER)	29-Nov-06	03-Jan-07	4.00	$1,150	0.43	$0	$1,150	$0	32.00
121211205(	Budgetary pricing received (DC POWER)		03-Jan-07	0.00	$0	0.00	$0	$0	$0	32.00
1212112055	Procure components for preliminary design tests (DC POWER)	11-Jan-07	25-Jan-07	2.00	$2,047	1.31	$23,740	$25,787	$0	32.00
121211206(	Components received for preliminary design tests (DC POWER)		25-Jan-07	0.00	$0	0.00	$0	$0	$0	32.00
1212112065	Build & test preliminary designs (fil/mod anode) (DC POWER)	20-Dec-06	23-Feb-07	8.00	$32,472	16.18	$0	$35,567	$3,095	32.00
1212112070	Revise preliminary designs (DC POWER)	26-Feb-07	09-Mar-07	2.00	$6,164	2.61	$0	$6,164	$0	32.00
121211207(	Preliminary designs revised (DC POWER)		09-Mar-07	0.00	$0	0.00	$0	$0	$0	32.00
1212112080	Update costbook (DC POWER)	04-Jan-07	10-Jan-07	1.00	$2,299	0.87	$0	$2,299	$0	32.00
121211208(	Costbook pricing updated (DC POWER)		10-Jan-07	0.00	$0	0.00	$0	$0	$0	32.00
121211209(	FY08 Begin DC Pwr PED (DC POWER)	01-Oct-07		0.00	$0	0.00	$0	$0	$0	3.60
1212112100	Dsgn & Test filament Pwr Supply (DC POWER)	01-Apr-08	24-Jun-08	12.00	$49,553	26.00	$9,287	$58,840	$0	26.20
1212112105	Prep Documentation for Fab:/Prcrmnt filament (DC POWER)	25-Jun-08	23-Jul-08	4.00	$3,564	2.00	$0	$3,564	$0	28.60
1212112110	Dsgn & Test Mods anode Pwr Supply (DC POWER)	28-May-08	20-Aug-08	12.00	$53,908	27.00	$9,287	$63,195	$0	28.60
1212112115	FY08 Prep Documentation for Fab/Prcrmnt: Mods anode (DC POWER)	21-Aug-08	30-Sep-08	5.60	$4,990	2.80	$0	$4,990	$0	28.60
121211211(	FY09 Prep Documentation for Fab/Prcrmnt: Mods anode (DC POWER)	01-Oct-08	02-Oct-08	0.40	$368	0.20	$0	$368	$0	28.60
1212112120	PROC Dsgn & Test Ion Pump Pwr Supply (DC POWER)	12-Sep-08	09-Jan-09	15.60	$0	0.00	$6,191	$6,191	$0	28.60
121211212(	FY08 LAB Dsgn & Test Ion Pump Pwr Supply (DC POWER)	12-Sep-08	30-Sep-08	2.60	$8,985	4.50	$0	$8,985	$0	28.60
121211212(	FY09 LAB Dsgn & Test Ion Pump Pwr Supply (DC POWER)	01-Oct-08	09-Jan-09	13.00	$46,358	22.50	$0	$46,358	$0	28.60
1212112125	Prep Documentation for Fab/Prcrmnt; ION (DC POWER)	12-Jan-09	09-Feb-09	4.00	$3,678	2.00	$0	$3,678	$0	28.60
1212112130	PROC Dsgn HPA/Rack Sys & Inj. Upgrade(DC POWER)	25-Jun-08	28-Jan-09	29.00	$0	0.00	$12,383	$12,383	$0	26.20
121211213(	FY08 LAB/EXP Dsgn HPA/Rack Sys & Inj. Upgrade(DC POWER)	25-Jun-08	30-Sep-08	13.60	$37,096	18.76	$0	$39,095	$1,999	26.20
121211213(	FY09 LAB/EXP Dsgn HPA/Rack Sys & Inj. Upgrade(DC POWER)	01-Oct-08	28-Jan-09	15.40	$43,349	21.24	$0	$45,685	$2,335	26.20
1212112135	Prep Documentation for Fab/Prcrmnt (DC POWER)	29-Jan-09	26-Feb-09	4.00	$17,634	8.00	$0	$17,634	$0	26.20
1212112140	Prep Final Rquirmnts Package for HV PS Prcrmnt (DC POWER)	27-Feb-09	26-Mar-09	4.00	$9,547	4.00	$0	$12,848	$3,301	26.20
121211214(	Finish 2008 DC Pwr PED (DC POWER)+		26-Mar-09	0.00	$0	0.00	$0	$0	$0	26.20
1212112150	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($61,160)	($61,160)	$0	4.00
121211290(	FY08 Office Supprt for Document Prep (DC POWER)	01-Oct-07	30-Sep-08	49.60	$6,043	6.00	$0	$9,510	$3,467	0.00
1.2.1.2.1.1.3 WAVEGUIDE COMPONENTS		02-Oct-06	30-Aug-13	342.80	$53,050	27.64	($20,415)	$40,410	$7,775	4.00
121211300(	Begin waveguide PED effort (WVGUIDE COMPON)	02-Oct-06		0.00	$0	0.00	$0	$0	$0	85.80
1212113005	Develop preliminary waveguide requirements and layout (WVGUIDE COMPON)	02-Oct-06	30-Mar-07	24.00	$9,462	4.79	$0	$9,462	$0	85.80
1212113010	Conduct internal design & safety review (WVGUIDE COMPON)	02-Apr-07	13-Apr-07	2.00	$1,977	1.31	$0	$1,977	$0	85.80
121211301(	Design & safety review complete (WVGUIDE COMPON)		13-Apr-07	0.00	$0	0.00	$0	$0	$0	85.80
1212113020	Revise preliminary designs (WVGUIDE COMPON)	16-Apr-07	20-Apr-07	1.00	$1,081	0.43	$0	$1,081	$0	85.80
121211302(	Requirements revised (WVGUIDE COMPON)		20-Apr-07	0.00	$0	0.00	$0	$0	$0	85.80
1212113030	Request budgetary pricing for waveguide components (WVGUIDE COMPON)	23-Apr-07	18-May-07	4.00	$1,081	0.43	$0	$1,081	$0	85.80
121211303(	Receive budgetary pricing (WVGUIDE COMPON)		18-May-07	0.00	$0	0.00	$0	$0	$0	85.80
1212113040	Revise costbook pricing (WVGUIDE COMPON)	21-May-07	25-May-07	1.00	$1,081	0.43	$0	$1,081	$0	85.80
121211304(	Costbook revised (WVGUIDE COMPON)		25-May-07	0.00	$0	0.00	$0	$0	$0	85.80
121211305(	Begin final design (WVGUIDE COMPON)	29-May-07		0.00	$0	0.00	$0	$0	$0	85.80
1212113055	Final design FY07 Phase (WVGUIDE COMPON)	29-May-07	20-Aug-07	11.80	$2,669	1.74	$0	$2,669	$0	85.80



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Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
1212113061	Begin 2008 Waveguide Systems PED (WVGUIDE COMPON)	25-Jun-08		0.00	$0	0.00	$0	$0	$0	44.20
1212113065	Office Admin Supprt (WVGUIDE COMPON)	25-Jun-08	25-Sep-08	13.00	$2,014	2.00	$0	$2,014	$0	49.20
1212113070	Develop Rquirmnts Package for circulator (WVGUIDE COMPON)	25-Jun-08	06-Aug-08	6.00	$7,427	3.50	$0	$10,895	$3,467	44.20
1212113075	Develop Rquirmnts Package for HOM Filter (WVGUIDE COMPON)	14-Aug-08	14-Aug-08	0.00	$0	0.00	$0	$0	$0	44.20
1212113080	FY08 LAB/EXPDevelop Rquirmnts Packages for Custom Waveguide pcs (WVGUIDE C...	14-Aug-08	30-Sep-08	6.60	$15,466	7.92	$0	$18,279	$2,813	44.20
1212113081	FY09 LAB/EXP Develop Rquirmnts Packages for Custom Waveguide pcs (WVGUIDE C...	01-Oct-08	23-Oct-08	3.40	$8,222	4.08	$0	$9,717	$1,495	44.20
1212113085	Revise Vend Pricing for Waveguide Compnts (WVGUIDE COMPON)	24-Oct-08	30-Oct-08	1.00	$2,569	1.00	$0	$2,569	$0	44.20
1212113091	Waveguide PED Comp 2008 (WVGUIDE COMPON)++		30-Oct-08	0.00	$0	0.00	$0	$0	$0	44.20
1212113170	Pre-Constrctn Dsgn Review (WVGUIDE COMPON)+	31-Oct-08	06-Nov-08	1.00	$0	0.00	$0	$0	$0	44.20
1212113175	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($20,415)	($20,415)	$0	4.00
1.2.1.2.1.2 CONTROL		02-Oct-06	30-Aug-13	342.80	$806,725	375.92	$149,129	$985,164	$29,309	4.00
1.2.1.2.1.2.1 FIELD CONTROL (RF/DSP)		02-Oct-06	30-Aug-13	342.80	$358,859	160.07	$109,766	$489,265	$20,640	4.00
1212121001	Preliminary Integrated LLRF System Design (FLD CNTL)	05-Dec-06		0.00	$0	0.00	$0	$0	$0	26.30
1212121005	Develop Preliminary System Design (FLD CNTL)	05-Dec-06	05-Apr-07	16.00	$20,235	7.83	$0	$20,235	$0	118.20
1212121010	Investigate Comparitive System Designs (FLD CNTL)	10-Jan-07	05-Apr-07	12.00	$9,103	3.48	$0	$24,583	$15,480	118.20
1212121015	Update LLRF Model (FLD CNTL)	05-Dec-06	08-Mar-07	12.00	$11,202	4.35	$0	$11,202	$0	26.30
1212121020	Develop Preliminary Design (FLD CNTL)	13-Apr-07	17-Apr-07	0.50	$1,081	0.43	$0	$1,081	$0	21.30
1212121021	Preliminary Design Complete (FLD CNTL)		17-Apr-07	0.00	$0	0.00	$0	$0	$0	21.30
1212121025	Conduct Preliminary Design & Safety Review 1.2.1.2.1.2 LLRF (FLD CNTL)	17-Apr-07	15-May-07	4.00	$13,776	6.09	$0	$18,936	$5,160	21.30
1212121030	Begin Preliminary Digital Board Design (FLD CNTL)	02-Oct-06		0.00	$0	0.00	$0	$0	$0	6.80
1212121035	Develop Detailed Specification (FLD CNTL)	02-Oct-06	27-Oct-06	4.00	$2,299	0.87	$0	$2,299	$0	6.80
1212121040	Develop Preliminary Design Digital Board (FLD CNTL)	30-Oct-06	01-Feb-07	12.00	$32,234	14.79	$0	$32,234	$0	6.80
1212121045	Procure Digital Board validation unit (FLD CNTL)	02-Feb-07	07-Feb-07	0.80	$0	0.00	$6,190	$6,190	$0	6.80
1212121050	Conduct Digital Board Validation Tests (FLD CNTL)	08-Feb-07	05-Apr-07	8.00	$17,877	7.83	$0	$17,877	$0	6.80
1212121051	Digital Board Validation Tests complete (FLD CNTL)		05-Apr-07	0.00	$0	0.00	$0	$0	$0	33.40
1212121061	Start Preliminary RF Board design (FLD CNTL)	02-Oct-06		0.00	$0	0.00	$0	$0	$0	2.80
1212121065	Develop RF Board Detailed specification (FLD CNTL)	02-Oct-06	27-Oct-06	4.00	$2,299	0.87	$0	$2,299	$0	2.80
1212121070	Preliminary RF Board Design Complete (FLD CNTL)	30-Oct-06	03-Jan-07	8.00	$25,336	12.18	$0	$25,336	$0	2.80
1212121075	Procure RF Board validation unit (FLD CNTL)	04-Jan-07	09-Jan-07	0.80	$0	0.00	$6,190	$6,190	$0	2.80
1212121080	Conduct RF Board Validation tests (FLD CNTL)	09-Mar-07	03-May-07	8.00	$15,457	6.97	$0	$15,457	$0	2.80
1212121085	RF Board Validation Tests complete (FLD CNTL)		03-May-07	0.00	$0	0.00	$0	$0	$0	2.80
1212121091	Start Field Control System Test (FLD CNTL)	31-Jul-07		0.00	$0	0.00	$0	$0	$0	102.20
1212121095	Modify Field Control Firmware (FLD CNTL)	31-Jul-07	07-Sep-07	5.60	$10,347	4.35	$5,160	$15,507	$0	102.20
1212121100	Conduct Field Control System Validation (FLD CNTL)	04-May-07	25-Sep-07	20.00	$8,496	3.48	$5,160	$13,656	$0	2.80
1212121101	Field Control System validation complete (FLD CNTL)		25-Sep-07	0.00	$0	0.00	$0	$0	$0	2.80
1212121111	Start Cost & Schedule Update (FLD CNTL)	08-Feb-07		0.00	$0	0.00	$0	$0	$0	21.30
1212121115	Update PED Cost and Schedule (FLD CNTL)	08-Feb-07	12-Apr-07	9.00	$2,272	0.87	$0	$2,272	$0	21.30
1212121120	Update Construction Cost and Schedule (FLD CNTL)	08-Feb-07	22-Mar-07	6.00	$3,012	1.30	$0	$3,012	$0	24.80
1212121125	Prepare for EIR (FLD CNTL)	02-Oct-06	22-Dec-06	11.60	$3,741	1.74	$0	$3,741	$0	31.60
1212121131	Field Control Ready for Baseline (FLD CNTL)		22-Dec-06	0.00	$0	0.00	$0	$0	$0	31.60
1212121135	Validation Testing on Cavity Phase 1 (FLD CONT)	01-Oct-07	30-Nov-07	8.60	$13,028	5.85	$0	$13,028	$0	2.20
1212121139	PROC Validation Testing on Cavity Phase 2 (FLD CONT)	01-Aug-08	09-Apr-09	33.80	$0	0.00	$3,116	$3,116	$0	222.40
1212121137	FY08 LAB Validation Testing on Cavity Phase 2A (FLD CONT)	01-Aug-08	30-Sep-08	8.40	$6,056	2.78	$0	$6,056	$0	2.20
1212121138	FY09 LAB Validation Testing on Cavity Phase 2B (FLD CONT)	01-Oct-08	09-Apr-09	25.40	$18,896	8.40	$0	$18,896	$0	2.20
1212121140	Assess Hardware Dsgn (FLD CONT)	12-Feb-09	16-Jun-09	17.40	$89,519	41.00	$21,978	$111,497	$0	2.20
1212121145	Update Documentation and Procurement Prep (FLD CONT)+	14-May-09	15-Sep-09	17.20	$27,069	14.00	$0	$27,069	$0	2.20
1212121141	Documentation Ready for Prcrmnt (FLD CONT)+		15-Sep-09	0.00	$0	0.00	$0	$0	$0	2.20
1212121170	Pre-Constrctn Dsgn Review (FLD CONT)	01-May-09	29-May-09	4.00	$25,524	10.60	$0	$25,524	$0	17.20
1212121175	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$61,972	$61,972	$0	4.00
1.2.1.2.1.2.2 RESONANCE CONTROL & INTERLOCKS		04-Jan-07	30-Aug-13	330.80	$219,317	101.50	$36,936	$259,642	$3,389	4.00
1212122001	Start Preliminary Integrated System Design (RESON CNTL & INTRLCKS)	04-Jan-07		0.00	$0	0.00	$0	$0	$0	17.20
1212122005	Prepare Preliminary Integrated System Design (RESON CNTL & INTRLCKS)	04-Jan-07	02-Mar-07	8.00	$12,494	5.22	$0	$12,494	$0	48.80
1212122011	Preliminary Integrated System Design Complete (RESON CNTL & INTRLCKS)		02-Mar-07	0.00	$0	0.00	$0	$0	$0	48.80
1212122015	Develop Detailed Preliminary Integrated System Design specification (RESON CNTL & I...	04-Jan-07	01-Feb-07	4.00	$2,299	0.87	$0	$2,299	$0	17.20
1212122021	Interlock and Step Chassis (RESON CNTL & INTRLCKS)	02-Feb-07		0.00	$0	0.00	$0	$0	$0	17.20
1212122025	Develop Interlock Preliminary Design (RESON CNTL & INTRLCKS)	02-Feb-07	27-Apr-07	12.00	$31,197	14.79	$8,462	$39,659	$0	36.80
1212122030	Build Design Interlock validation unit (RESON CNTL & INTRLCKS)	30-Apr-07	11-May-07	2.00	$0	0.00	$0	$0	$0	36.80

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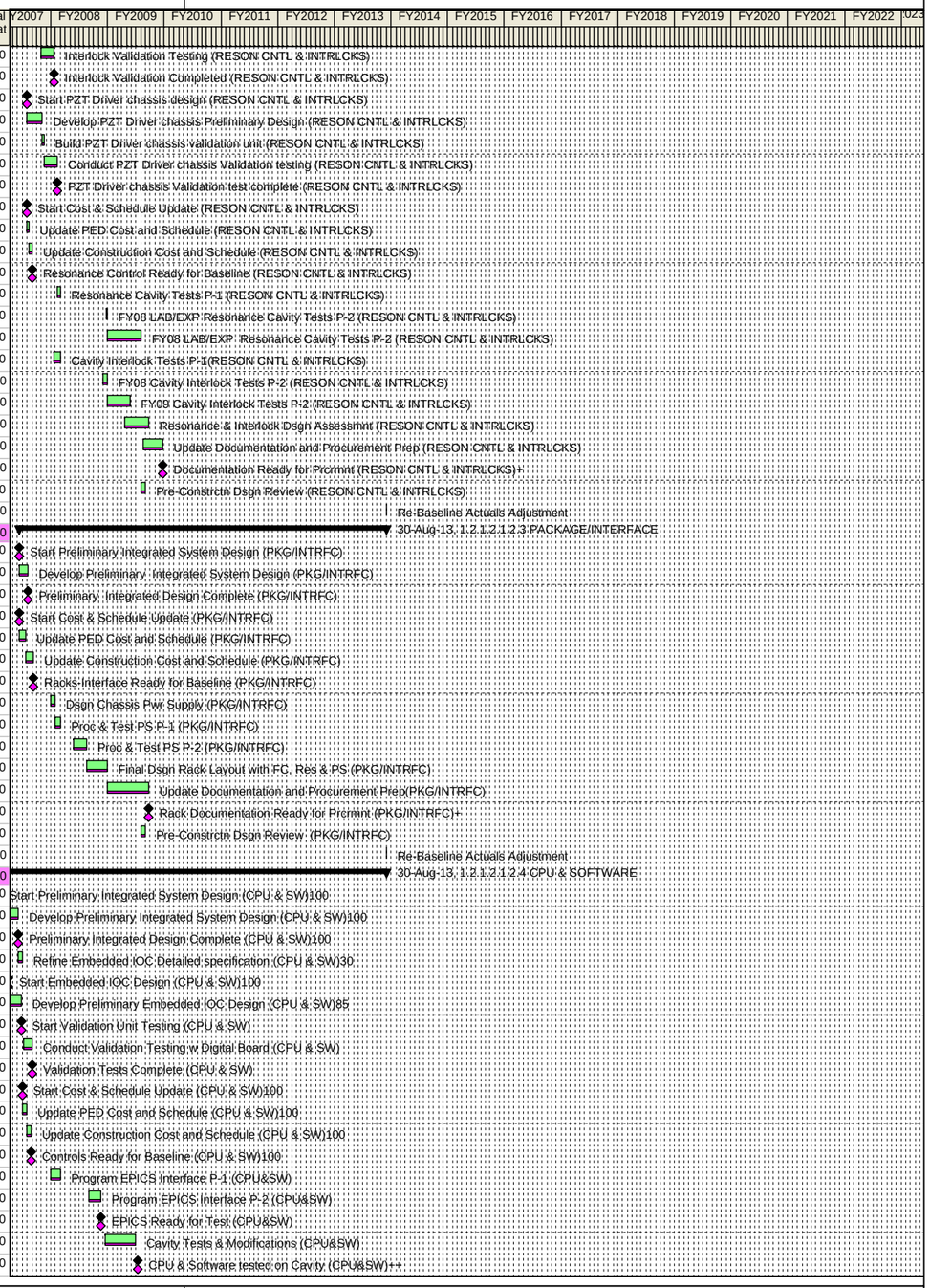
Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
1212122035	Interlock Validation Testing (RESON CNTL & INTRLCKS)	01-Aug-07	24-Oct-07	12.00	$9,504	4.35	$0	$9,504	$0	36.80
121212204	Interlock Validation Completed (RESON CNTL & INTRLCKS)		24-Oct-07	0.00	$0	0.00	$0	$0	$0	36.80
121212204	Start PZT Driver chassis design (RESON CNTL & INTRLCKS)	03-May-07		0.00	$0	0.00	$0	$0	$0	17.20
1212122050	Develop PZT Driver chassis Preliminary Design (RESON CNTL & INTRLCKS)	03-May-07	03-Aug-07	13.00	$24,296	12.18	$7,018	$31,314	$0	17.20
1212122055	Build PZT Driver chassis validation unit (RESON CNTL & INTRLCKS)	06-Aug-07	17-Aug-07	2.00	$0	0.00	$0	$0	$0	17.20
1212122060	Conduct PZT Driver chassis Validation testing (RESON CNTL & INTRLCKS)	20-Aug-07	12-Nov-07	12.00	$9,569	4.35	$0	$9,569	$0	17.20
121212206	PZT Driver chassis Validation test complete (RESON CNTL & INTRLCKS)		12-Nov-07	0.00	$0	0.00	$0	$0	$0	17.20
121212207	Start Cost & Schedule Update (RESON CNTL & INTRLCKS)	03-May-07		0.00	$0	0.00	$0	$0	$0	40.20
1212122075	Update PED Cost and Schedule (RESON CNTL & INTRLCKS)	03-May-07	16-May-07	2.00	$2,162	0.87	$0	$2,162	$0	40.20
1212122080	Update Construction Cost and Schedule (RESON CNTL & INTRLCKS)	17-May-07	31-May-07	2.00	$2,162	0.87	$0	$2,162	$0	40.20
121212208	Resonance Control Ready for Baseline (RESON CNTL & INTRLCKS)		31-May-07	0.00	$0	0.00	$0	$0	$0	40.20
1212122090	Resonance Cavity Tests P-1 (RESON CNTL & INTRLCKS)	13-Nov-07	30-Nov-07	2.40	$6,327	3.00	$0	$6,823	$495	17.20
121212209	FY08 LAB/EXP Resonance Cavity Tests P-2 (RESON CNTL & INTRLCKS)	24-Sep-08	30-Sep-08	1.00	$564	0.24	$0	$659	$95	17.20
121212209	FY08 LAB/EXP Resonance Cavity Tests P-2 (RESON CNTL & INTRLCKS)	01-Oct-08	30-Apr-09	28.40	$16,517	6.86	$0	$19,314	$2,798	17.20
1212122095	Cavity Interlock Tests P-1(RESON CNTL & INTRLCKS)	25-Oct-07	30-Nov-07	5.00	$11,747	5.67	$0	$11,747	$0	36.80
121212209	FY08 Cavity Interlock Tests P-2 (RESON CNTL & INTRLCKS)	02-Sep-08*	30-Sep-08	4.20	$2,483	1.08	$0	$2,483	$0	0.00
121212209	FY09 Cavity Interlock Tests P-2 (RESON CNTL & INTRLCKS)	01-Oct-08	25-Feb-09	19.20	$11,710	4.92	$0	$11,710	$0	1.40
1212122100	Resonance & Interlock Dsgn Assessmnt (RESON CNTL & INTRLCKS)	21-Jan-09	22-Jun-09	21.40	$59,853	27.64	$6,389	$66,242	$0	1.40
1212122105	Update Documentation and Procurement Prep (RESON CNTL & INTRLCKS)	20-May-09	21-Sep-09	17.20	$10,003	6.00	$0	$10,003	$0	1.40
121212211	Documentation Ready for Prcrmnt (RESON CNTL & INTRLCKS)+		21-Sep-09	0.00	$0	0.00	$0	$0	$0	1.40
1212122170	Pre-Constrctn Dsgn Review (RESON CNTL & INTRLCKS)	01-May-09	29-May-09	4.00	$6,430	2.60	$0	$6,430	$0	17.20
1212122175	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$15,067	$15,067	$0	4.00
1.2.1.2.1.2.3	**PACKAGE/INTERFACE**	15-Mar-07	30-Aug-13	321.20	$83,997	45.21	$27,529	$113,652	$2,126	4.00
121212300	Start Preliminary Integrated System Design (PKG/INTRFC)	15-Mar-07		0.00	$0	0.00	$0	$0	$0	60.20
1212123005	Develop Preliminary Integrated System Design (PKG/INTRFC)	15-Mar-07	09-May-07	8.00	$4,055	2.17	$3,100	$7,155	$0	64.20
121212301	Preliminary Integrated Design Complete (PKG/INTRFC)		09-May-07	0.00	$0	0.00	$0	$0	$0	64.20
121212301	Start Cost & Schedule Update (PKG/INTRFC)	15-Mar-07		0.00	$0	0.00	$0	$0	$0	60.20
1212123020	Update PED Cost and Schedule (PKG/INTRFC)	15-Mar-07	25-Apr-07	6.00	$554	0.22	$0	$554	$0	60.20
1212123025	Update Construction Cost and Schedule (PKG/INTRFC)	26-Apr-07	07-Jun-07	6.00	$540	0.22	$0	$540	$0	60.20
121212303	Racks-Interface Ready for Baseline (PKG/INTRFC)		07-Jun-07	0.00	$0	0.00	$0	$0	$0	60.20
1212123035	Dsgn Chassis Pwr Supply (PKG/INTRFC)	01-Oct-07	26-Oct-07	4.00	$15,222	8.00	$5,325	$22,672	$2,126	13.80
1212123040	Proc & Test PS P-1 (PKG/INTRFC)	29-Oct-07	30-Nov-07	4.60	$9,358	5.06	$0	$9,358	$0	13.80
121212304	Proc & Test PS P-2 (PKG/INTRFC)	22-Feb-08	15-May-08	12.00	$10,985	5.94	$4,262	$15,247	$0	13.80
1212123045	Final Dsgn Rack Layout with FC, Res & PS (PKG/INTRFC)	16-May-08	30-Sep-08	19.00	$21,900	12.00	$4,582	$26,482	$0	13.80
1212123050	Update Documentation and Procurement Prep(PKG/INTRFC)	01-Oct-08	23-Jun-09	35.80	$15,683	9.00	$0	$15,683	$0	13.80
121212305	Rack Documentation Ready for Prcrmnt (PKG/INTRFC)+		23-Jun-09	0.00	$0	0.00	$0	$0	$0	13.80
1212123170	Pre-Constrctn Dsgn Review (PKG/INTRFC)	01-May-09	29-May-09	4.00	$5,700	2.60	$0	$5,700	$0	17.20
1212123175	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$10,261	$10,261	$0	4.00
1.2.1.2.1.2.4	**CPU & SOFTWARE**	01-Nov-06	30-Aug-13	338.40	$31,453	13.05	($20,214)	$12,240	$1,000	4.00
121212400	Start Preliminary Integrated System Design (CPU & SW)100	01-Nov-06		0.00	$0	0.00	$0	$0	$0	34.40
1212124005	Develop Preliminary Integrated System Design (CPU & SW)100	01-Nov-06	06-Mar-07	16.00	$8,630	3.48	$0	$8,630	$0	38.20
121212401	Preliminary Integrated Design Complete (CPU & SW)100		06-Mar-07	0.00	$0	0.00	$0	$0	$0	38.20
1212124015	Refine Embedded IOC Detailed specification (CPU & SW)30	07-Mar-07	03-Apr-07	4.00	$683	0.26	$0	$683	$0	38.20
121212402	Start Embedded IOC Design (CPU & SW)100	02-Jan-07		0.00	$0	0.00	$0	$0	$0	34.60
1212124025	Develop Preliminary Embedded IOC Design (CPU & SW)85	02-Jan-07	28-Mar-07	12.00	$10,039	4.44	$4,386	$14,425	$0	34.60
121212403	Start Validation Unit Testing (CPU & SW)	29-Mar-07		0.00	$0	0.00	$0	$0	$0	34.60
1212124035	Conduct Validation Testing w Digital Board (CPU & SW)	06-Apr-07	05-Jun-07	8.40	$9,939	4.00	$0	$10,939	$1,000	33.40
121212404	Validation Tests Complete (CPU & SW)		05-Jun-07	0.00	$0	0.00	$0	$0	$0	33.40
121212404	Start Cost & Schedule Update (CPU & SW)100	03-Apr-07		0.00	$0	0.00	$0	$0	$0	34.40
1212124050	Update PED Cost and Schedule (CPU & SW)100	03-Apr-07	30-Apr-07	4.00	$1,081	0.43	$0	$1,081	$0	34.40
1212124055	Update Construction Cost and Schedule (CPU & SW)100	01-May-07	29-May-07	4.00	$1,081	0.43	$0	$1,081	$0	34.40
121212406	Controls Ready for Baseline (CPU & SW)100		29-May-07	0.00	$0	0.00	$0	$0	$0	34.40
1212124065	Program EPICS Interface P-1 (CPU&SW)	01-Oct-07	30-Nov-07	8.60	$0	0.00	$0	$0	$0	17.20
121212406	Program EPICS Interface P-2 (CPU&SW)	02-Jun-08	15-Aug-08	10.80	$0	0.00	$0	$0	$0	17.20
121212407	EPICS Ready for Test (CPU&SW)		15-Aug-08	0.00	$0	0.00	$0	$0	$0	17.20
1212124075	Cavity Tests & Modifications (CPU&SW)	15-Sep-08	01-Apr-09	26.60	$0	0.00	$0	$0	$0	17.20
121212408	CPU & Software tested on Cavity (CPU&SW)++		15-Apr-09	0.00	$0	0.00	$0	$0	$0	17.20



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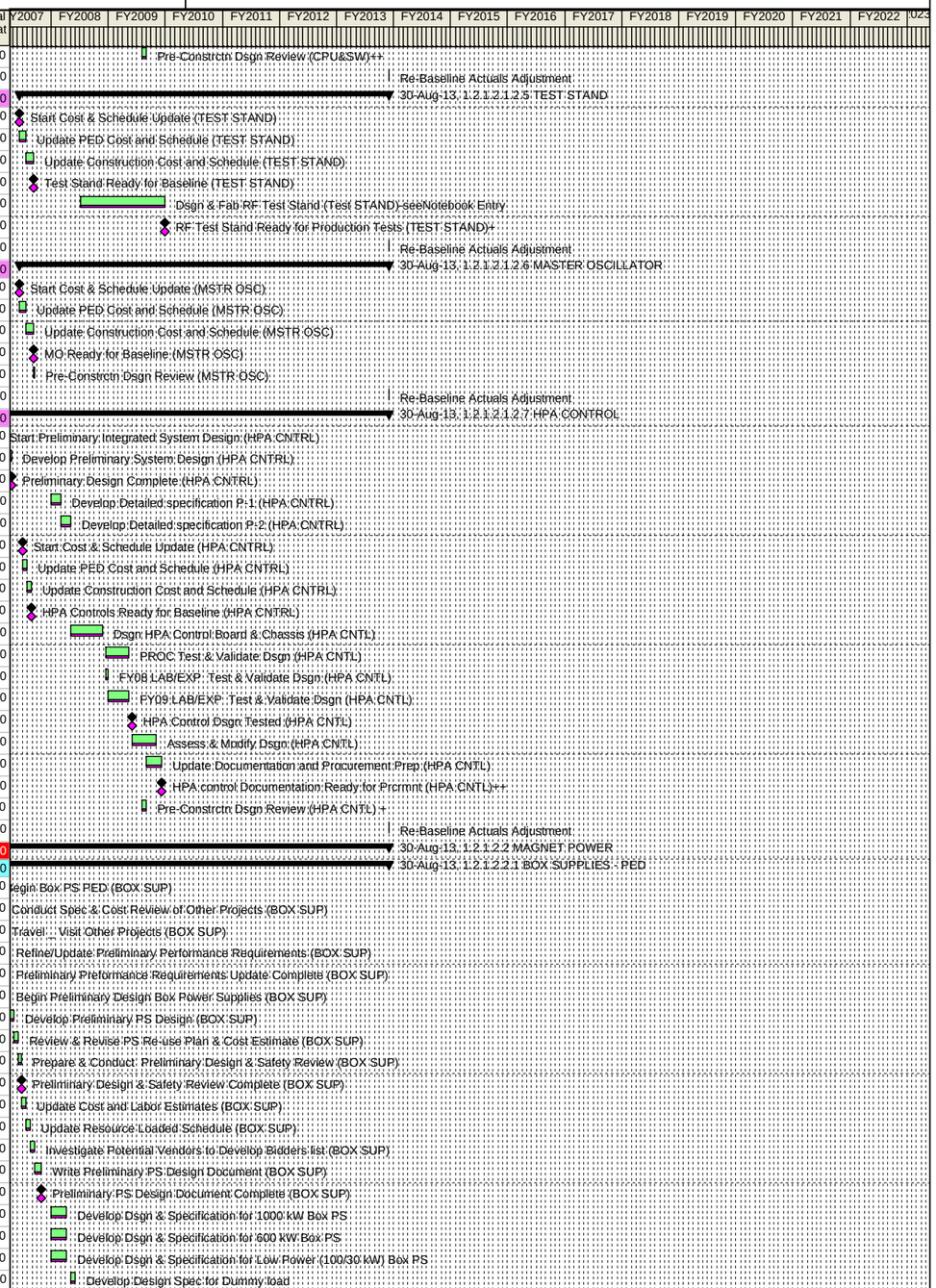
Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
1212124170	Pre-Constrctn Dsgn Review (CPU&SW)++	01-May-09	29-May-09	4.00	$0	0.00	$0	$0	$0	17.20
1212124175	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($24,600)	($24,600)	$0	4.00
1.2.1.2.1.2.5 TEST STAND		15-Mar-07	30-Aug-13	321.20	$1,095	0.43	$612	$1,706	$0	4.00
121212500	Start Cost & Schedule Update (TEST STAND)	15-Mar-07		0.00	$0	0.00	$0	$0	$0	5.20
1212125005	Update PED Cost and Schedule (TEST STAND)	15-Mar-07	25-Apr-07	6.00	$554	0.22	$0	$554	$0	5.20
1212125010	Update Construction Cost and Schedule (TEST STAND)	26-Apr-07	07-Jun-07	6.00	$540	0.22	$0	$540	$0	5.20
121212501	Test Stand Ready for Baseline (TEST STAND)		07-Jun-07	0.00	$0	0.00	$0	$0	$0	5.20
1212125020	Dsgn & Fab RF Test Stand (Test STAND)-seeNotebook Entry	08-Apr-08	28-Sep-09	73.80	$0	0.00	$0	$0	$0	0.40
121212502	RF Test Stand Ready for Production Tests (TEST STAND)+		28-Sep-09	0.00	$0	0.00	$0	$0	$0	0.40
1212125030	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$612	$612	$0	4.00
1.2.1.2.1.2.6 MASTER OSCILLATOR		15-Mar-07	30-Aug-13	321.20	$1,095	0.43	$888	$1,982	$0	4.00
121212600	Start Cost & Schedule Update (MSTR OSC)	15-Mar-07		0.00	$0	0.00	$0	$0	$0	114.00
1212126005	Update PED Cost and Schedule (MSTR OSC)	15-Mar-07	25-Apr-07	6.00	$554	0.22	$0	$554	$0	114.00
1212126010	Update Construction Cost and Schedule (MSTR OSC)	26-Apr-07	07-Jun-07	6.00	$540	0.22	$0	$540	$0	114.00
121212601	MO Ready for Baseline (MSTR OSC)		07-Jun-07	0.00	$0	0.00	$0	$0	$0	114.00
1212126170	Pre-Constrctn Dsgn Review (MSTR OSC)	08-Jun-07	14-Jun-07	1.00	$0	0.00	$0	$0	$0	114.00
1212126175	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$888	$888	$0	4.00
1.2.1.2.1.2.7 HPA CONTROL		01-Nov-06	30-Aug-13	338.40	$110,909	55.21	($6,387)	$106,677	$2,155	4.00
121212700	Start Preliminary Integrated System Design (HPA CNTRL)	01-Nov-06		0.00	$0	0.00	$0	$0	$0	48.60
1212127005	Develop Preliminary System Design (HPA CNTRL)	01-Nov-06	22-Jan-07	10.00	$3,091	1.31	$0	$3,091	$0	55.20
121212701	Preliminary Design Complete (HPA CNTRL)		22-Jan-07	0.00	$0	0.00	$0	$0	$0	55.20
1212127015	Develop Detailed specification P-1 (HPA CNTRL)	01-Oct-07	30-Nov-07	8.60	$554	0.22	$0	$554	$0	3.60
121212701	Develop Detailed specification P-2 (HPA CNTRL)	03-Dec-07	06-Feb-08	8.00	$529	0.21	$0	$529	$0	3.60
121212702	Start Cost & Schedule Update (HPA CNTRL)	03-Apr-07		0.00	$0	0.00	$0	$0	$0	37.40
1212127025	Update PED Cost and Schedule (HPA CNTRL)	03-Apr-07	30-Apr-07	4.00	$1,081	0.43	$0	$1,081	$0	37.40
1212127030	Update Construction Cost and Schedule (HPA CNTRL)	01-May-07	29-May-07	4.00	$1,081	0.43	$0	$1,081	$0	37.40
121212703	HPA Controls Ready for Baseline (HPA CNTRL)		29-May-07	0.00	$0	0.00	$0	$0	$0	37.40
1212127040	Dsgn HPA Control Board & Chassis (HPA CNTL)	07-Feb-08	27-Aug-08	28.40	$34,007	18.00	$3,405	$38,475	$1,063	3.60
1212127045	PROC Test & Validate Dsgn (HPA CNTL)	12-Sep-08	06-Feb-09	19.40	$0	0.00	$5,325	$5,325	$0	7.00
121212704	FY08 LAB/EXP Test & Validate Dsgn (HPA CNTL)	12-Sep-08	30-Sep-08	2.60	$5,775	2.95	$0	$5,917	$142	3.60
121212704	FY09 LAB/EXP Test & Validate Dsgn (HPA CNTL)	01-Oct-08	06-Feb-09	16.80	$38,510	19.05	$0	$39,459	$950	3.60
121212705	HPA Control Dsgn Tested (HPA CNTL)		04-Mar-09	0.00	$0	0.00	$0	$0	$0	3.60
1212127055	Assess & Modify Dsgn (HPA CNTL)	05-Mar-09	05-Aug-09	21.60	$9,926	5.00	$0	$9,926	$0	3.60
1212127060	Update Documentation and Procurement Prep (HPA CNTL)	03-Jun-09	03-Sep-09	13.20	$9,926	5.00	$0	$9,926	$0	3.60
121212706	HPA control Documentation Ready for Prcrmnt (HPA CNTL)++		03-Sep-09	0.00	$0	0.00	$0	$0	$0	3.60
1212127170	Pre-Constrctn Dsgn Review (HPA CNTL) +	01-May-09	29-May-09	4.00	$6,430	2.60	$0	$6,430	$0	17.20
1212127175	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($15,117)	($15,117)	$0	4.00
1.2.1.2.2 MAGNET POWER		02-Oct-06	30-Aug-13	342.80	$290,397	129.65	$121,625	$442,073	$30,051	4.00
1.2.1.2.2.1 BOX SUPPLIES - PED		02-Oct-06	30-Aug-13	342.80	$151,477	66.32	$30,578	$207,855	$25,800	4.00
121221000M	Begin Box PS PED (BOX SUP)	02-Oct-06		0.00	$0	0.00	$0	$0	$0	30.00
121221005	Conduct Spec & Cost Review of Other Projects (BOX SUP)	02-Oct-06	10-Nov-06	6.00	$9,197	3.48	$0	$9,197	$0	30.00
121221010	Travel _ Visit Other Projects (BOX SUP)	02-Oct-06	10-Nov-06	6.00	$0	0.00	$0	$10,320	$10,320	30.00
121221015	Refine/Update Preliminary Performance Requirements (BOX SUP)	13-Nov-06	12-Dec-06	4.00	$2,299	0.87	$0	$2,299	$0	30.00
121221020M	Preliminary Preformance Requirements Update Complete (BOX SUP)		12-Dec-06	0.00	$0	0.00	$0	$0	$0	30.00
121221025M	Begin Preliminary Design Box Power Supplies (BOX SUP)	13-Dec-06		0.00	$0	0.00	$0	$0	$0	30.00
121221030	Develop Preliminary PS Design (BOX SUP)	13-Dec-06	01-Feb-07	6.00	$25,246	11.31	$0	$25,246	$0	30.00
121221035	Review & Revise PS Re-use Plan & Cost Estimate (BOX SUP)	02-Feb-07	02-Mar-07	4.00	$6,933	3.83	$0	$6,933	$0	30.00
121221040	Prepare & Conduct Preliminary Design & Safety Review (BOX SUP)	05-Mar-07	23-Mar-07	3.00	$2,299	0.87	$0	$17,779	$15,480	30.00
121221045M	Preliminary Design & Safety Review Complete (BOX SUP)		23-Mar-07	0.00	$0	0.00	$0	$0	$0	30.00
121221050	Update Cost and Labor Estimates (BOX SUP)	26-Mar-07	20-Apr-07	4.00	$4,392	1.74	$0	$4,392	$0	30.00
121221055	Update Resource Loaded Schedule (BOX SUP)	23-Apr-07	18-May-07	4.00	$4,324	1.74	$0	$4,324	$0	30.00
121221065	Investigate Potential Vendors to Develop Bidders list (BOX SUP)	21-May-07	18-Jun-07	4.00	$2,162	0.87	$0	$2,162	$0	31.40
121221070	Write Preliminary PS Design Document (BOX SUP)	19-Jun-07	01-Aug-07	6.20	$5,610	2.61	$0	$5,610	$0	31.40
121221075M	Preliminary PS Design Document Complete (BOX SUP)		01-Aug-07	0.00	$0	0.00	$0	$0	$0	31.40
121221085	Develop Dsgn & Specification for 1000 kW Box PS	01-Oct-07	03-Jan-08	12.00	$8,185	3.50	$0	$8,185	$0	23.20
121221090	Develop Dsgn & Specification for 600 kW Box PS	01-Oct-07	03-Jan-08	12.00	$8,185	3.50	$0	$8,185	$0	23.20
121221095	Develop Dsgn & Specification for Low Power (100/30 kW) Box PS	01-Oct-07	03-Jan-08	12.00	$8,185	3.50	$0	$8,185	$0	23.20
121221100	Develop Design Spec for Dummy load	04-Feb-08	03-Mar-08	4.00	$10,100	5.00	$0	$10,100	$0	9.20



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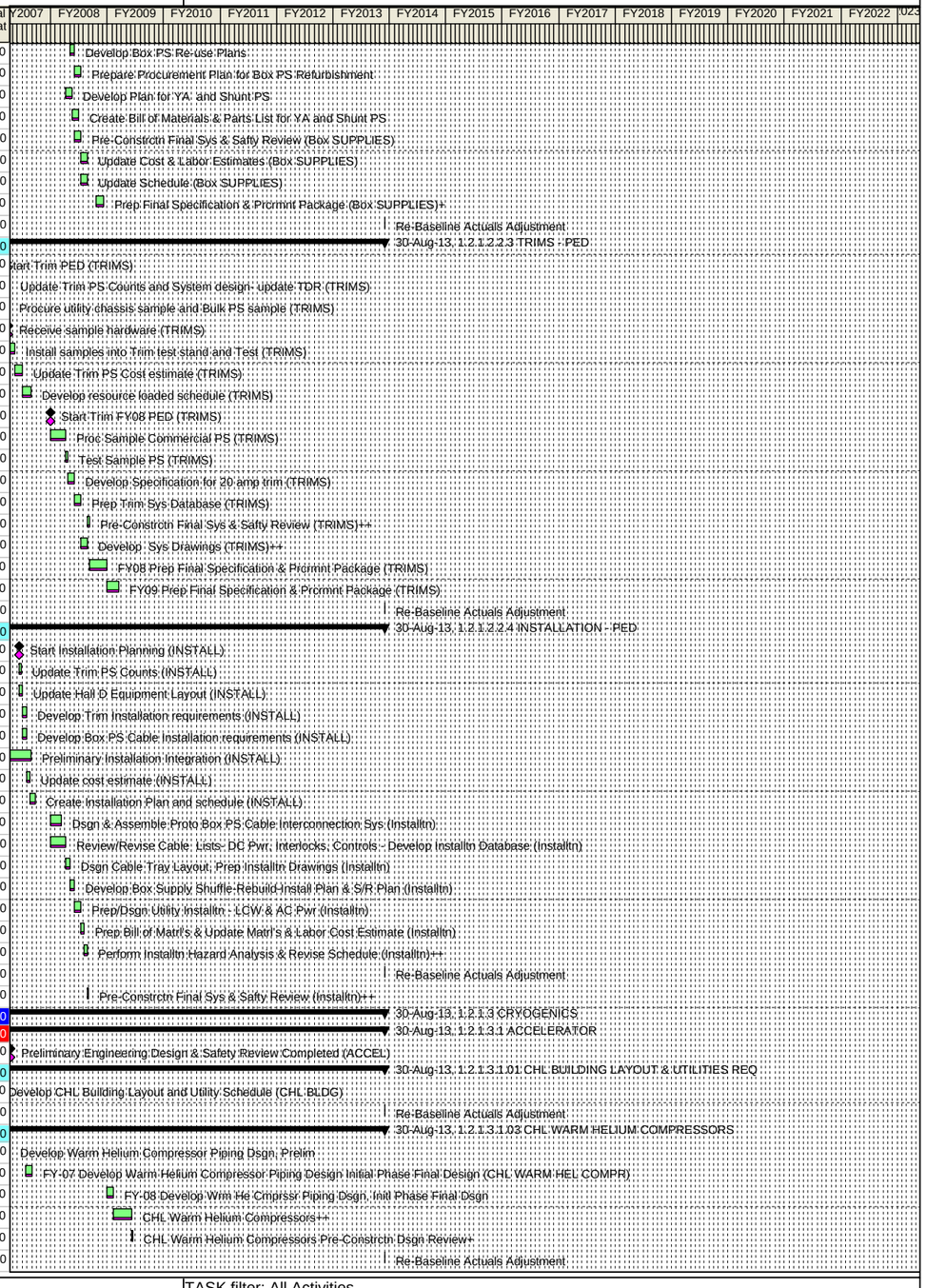
Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
121221105	Develop Box PS Re-use Plans	04-Feb-08	03-Mar-08	4.00	$2,490	1.00	$0	$2,490	$0	67.20
121221110	Prepare Procurement Plan for Box PS Refurbishment	04-Mar-08	14-Apr-08	6.00	$9,958	4.00	$0	$9,958	$0	67.20
121221120	Develop Plan for YA and Shunt PS	04-Jan-08	15-Feb-08	6.00	$4,979	2.00	$0	$4,979	$0	23.20
121221125	Create Bill of Materials & Parts List for YA and Shunt PS	19-Feb-08	31-Mar-08	6.00	$7,386	4.00	$0	$7,386	$0	69.20
121221135	Pre-Constrctn Final Sys & Safty Review (Box SUPPLIES)	04-Mar-08	14-Apr-08	6.00	$10,737	4.50	$0	$10,737	$0	9.20
121221140	Update Cost & Labor Estimates (Box SUPPLIES)	15-Apr-08	27-May-08	6.00	$3,268	1.50	$0	$3,268	$0	9.20
121221145	Update Schedule (Box SUPPLIES)	15-Apr-08	27-May-08	6.00	$3,268	1.50	$0	$3,268	$0	9.20
121221150	Prep Final Specification & Prcrmnt Package (Box SUPPLIES)+	24-Jul-08	04-Sep-08	6.00	$12,273	5.00	$0	$12,273	$0	53.20
121221155	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$30,578	$30,578	$0	4.00
1.2.1.2.2.3 TRIMS - PED		02-Oct-06	30-Aug-13	342.80	$70,725	31.09	$29,803	$102,654	$2,126	4.00
121223000M	Start Trim PED (TRIMS)	02-Oct-06		0.00	$0	0.00	$0	$0	$0	29.20
121223005	Update Trim PS Counts and System design- update TDR (TRIMS)	02-Oct-06	10-Jan-07	13.00	$4,598	1.74	$0	$4,598	$0	34.00
121223010	Procure utility chassis sample and Bulk PS sample (TRIMS)	02-Oct-06	02-Jan-07	11.80	$0	0.00	$15,480	$15,480	$0	29.20
121223015M	Receive sample hardware (TRIMS)		02-Jan-07	0.00	$0	0.00	$0	$0	$0	29.20
121223020	Install samples into Trim test stand and Test (TRIMS)	03-Jan-07	14-Feb-07	6.00	$3,131	1.74	$0	$3,131	$0	29.20
121223025	Update Trim PS Cost estimate (TRIMS)	15-Feb-07	29-Mar-07	6.00	$2,299	0.87	$0	$2,299	$0	29.20
121223030	Develop resource loaded schedule (TRIMS)	30-Mar-07	24-May-07	8.00	$4,330	1.74	$0	$4,330	$0	29.20
121223030M	Start Trim FY08 PED (TRIMS)	01-Oct-07		0.00	$0	0.00	$0	$0	$0	7.20
121223032	Proc Sample Commercial PS (TRIMS)	01-Oct-07	03-Jan-08	12.00	$2,490	1.00	$6,191	$8,681	$0	7.20
121223035	Test Sample PS (TRIMS)	04-Jan-08	17-Jan-08	2.00	$7,161	4.00	$0	$7,161	$0	7.20
121223040	Develop Specification for 20 amp trim (TRIMS)	18-Jan-08	03-Mar-08	6.00	$11,566	5.00	$0	$13,691	$2,126	7.20
121223045	Prep Trim Sys Database (TRIMS)	04-Mar-08	14-Apr-08	6.00	$16,728	7.00	$0	$16,728	$0	7.20
121223050	Pre-Constrctn Final Sys & Safty Review (TRIMS)++	28-May-08	10-Jun-08	2.00	$7,294	3.00	$0	$7,294	$0	7.20
121223055	Develop Sys Drawings (TRIMS)++	15-Apr-08	27-May-08	6.00	$3,564	2.00	$0	$3,564	$0	7.20
121223060	FY08 Prep Final Specification & Prcrmnt Package (TRIMS)	11-Jun-08	30-Sep-08	15.60	$4,481	1.80	$0	$4,481	$0	39.20
121223060a	FY09 Prep Final Specification & Prcrmnt Package (TRIMS)	01-Oct-08	15-Dec-08	10.40	$3,083	1.20	$0	$3,083	$0	39.20
121223065	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$8,132	$8,132	$0	4.00
1.2.1.2.2.4 INSTALLATION - PED		01-Nov-06	30-Aug-13	338.40	$68,194	32.24	$61,244	$131,564	$2,126	4.00
121224000M	Start Installation Planning (INSTALL)	15-Mar-07		0.00	$0	0.00	$0	$0	$0	25.00
121224005	Update Trim PS Counts (INSTALL)	15-Mar-07	28-Mar-07	2.00	$460	0.17	$0	$460	$0	26.00
121224010	Update Hall D Equipment Layout (INSTALL)	15-Mar-07	04-Apr-07	3.00	$909	0.35	$0	$909	$0	25.00
121224015	Develop Trim Installation requirements (INSTALL)	05-Apr-07	02-May-07	4.00	$1,864	0.87	$0	$1,864	$0	25.00
121224020	Develop Box PS Cable Installation requirements (INSTALL)	05-Apr-07	02-May-07	4.00	$1,864	0.87	$0	$1,864	$0	25.00
121224022	Preliminary Installation Integration (INSTALL)	01-Nov-06	30-May-07	28.00	$4,516	1.74	$0	$4,516	$0	28.60
121224025	Update cost estimate (INSTALL)	03-May-07	23-May-07	3.00	$2,162	0.87	$0	$2,162	$0	25.00
121224030	Create Installation Plan and schedule (INSTALL)	24-May-07	25-Jun-07	4.40	$2,162	0.87	$0	$2,162	$0	25.00
121224035	Dsgn & Assemble Proto Box PS Cable Interconnection Sys (Installtn)	01-Oct-07	11-Dec-07	10.00	$9,010	5.00	$6,191	$15,201	$0	30.20
121224040	Review/Revise Cable Lists- DC Pwr, Interlocks, Controls - Develop Installtn Database (I...	01-Oct-07	03-Jan-08	12.00	$14,551	6.50	$0	$16,677	$2,126	8.20
121224045	Dsgn Cable Tray Layout, Prep Installtn Drawings (Installtn)	04-Jan-08	01-Feb-08	4.00	$5,163	2.50	$0	$5,163	$0	8.20
121224050	Develop Box Supply Shuffle-Rebuild-Install Plan & S/R Plan (Installtn)	04-Feb-08	03-Mar-08	4.00	$6,649	3.00	$0	$6,649	$0	8.20
121224055	Prep/Dsgn Utility Installtn - LCW & AC Pwr (Installtn)	04-Mar-08	14-Apr-08	6.00	$6,366	3.50	$5,325	$11,691	$0	8.20
121224060	Prep Bill of Matrl's & Update Matrl's & Labor Cost Estimate (Installtn)	15-Apr-08	05-May-08	3.00	$7,542	4.00	$0	$7,542	$0	8.20
121224065	Perform Installtn Hazard Analysis & Revise Schedule (Installtn)++	06-May-08	27-May-08	3.00	$4,979	2.00	$0	$4,979	$0	8.20
121224070	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$49,728	$49,728	$0	4.00
121224999	Pre-Constrctn Final Sys & Safty Review (Installtn)++	28-May-08	03-Jun-08	1.00	$0	0.00	$0	$0	$0	8.20
1.2.1.3 CRYOGENICS		02-Oct-06	30-Aug-13	342.80	$1,206,490	526.42	($119,445)	$1,144,715	$57,669	4.00
1.2.1.3.1 ACCELERATOR		02-Oct-06	30-Aug-13	342.80	$1,120,814	487.42	($90,494)	$1,087,990	$57,669	4.00
12131010M	Preliminary Engineering Design & Safety Review Completed (ACCEL)		12-Jan-07	0.00	$0	0.00	$0	$0	$0	4.20
1.2.1.3.1.01 CHL BUILDING LAYOUT & UTILITIES REQ		02-Oct-06	30-Aug-13	342.80	$17,406	5.22	($5,734)	$11,671	$0	4.00
12131.01005	Develop CHL Building Layout and Utility Schedule (CHL BLDG)	02-Oct-06	20-Oct-06	3.00	$17,406	5.22	$0	$17,406	$0	13.60
12131.01010	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($5,734)	($5,734)	$0	4.00
1.2.1.3.1.03 CHL WARM HELIUM COMPRESSORS		02-Oct-06	30-Aug-13	342.80	$292,051	120.33	($152,044)	$156,517	$16,510	4.00
12131.03005	Develop Warm Helium Compressor Piping Dsgn, Prelim	02-Oct-06	05-Jan-07	12.40	$23,246	10.31	$0	$25,721	$2,475	4.20
12131.03010	FY-07 Develop Warm Helium Compressor Piping Design Initial Phase Final Design (CH...	23-Apr-07	31-May-07	5.60	$21,474	7.02	$0	$35,509	$14,035	58.00
12131.03012	FY-08 Develop Wrm He Cmprssr Piping Dsgn, Initl Phase Final Dsgn	01-Oct-08	07-Nov-08	5.60	$150,427	66.00	$0	$150,427	$0	28.00
12131.03015	CHL Warm Helium Compressors++	10-Nov-08	06-Mar-09	15.00	$96,904	37.00	$0	$96,904	$0	28.00
12131.03020	CHL Warm Helium Compressors Pre-Constrctn Dsgn Review+	09-Mar-09	13-Mar-09	1.00	$0	0.00	$0	$0	$0	28.00
12131.03025	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($152,044)	($152,044)	$0	4.00



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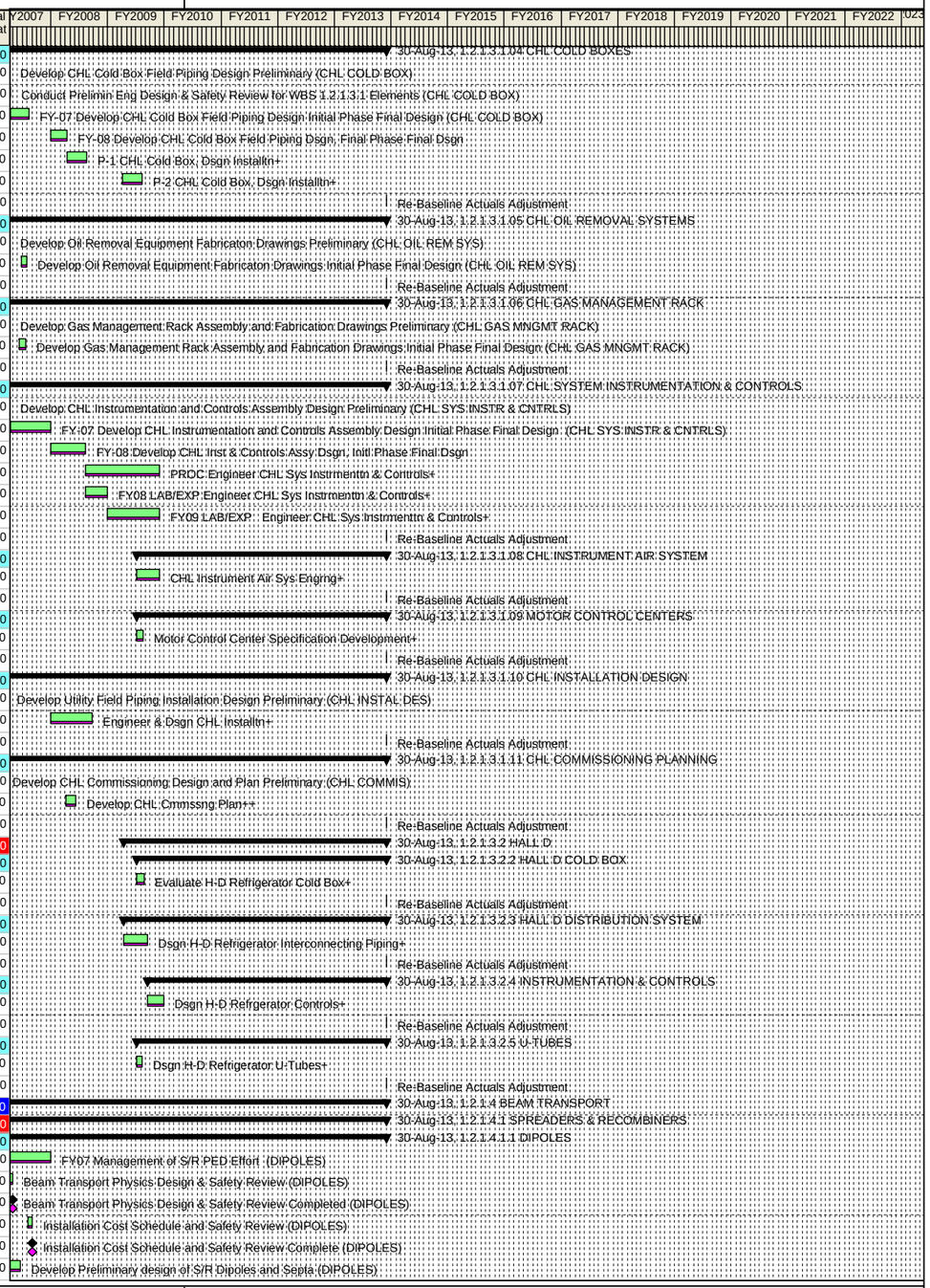
Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
1.2.1.3.1.04	**CHL COLD BOXES**	02-Oct-06	30-Aug-13	342.80	$303,624	129.18	$64,773	$386,252	$17,855	4.00
12131.04005	Develop CHL Cold Box Field Piping Design Preliminary (CHL COLD BOX)	02-Oct-06	05-Jan-07	12.40	$22,115	9.79	$0	$24,127	$2,012	4.20
12131.04010	Conduct Prelimin Eng Design & Safety Review for WBS 1.2.1.3.1 Elements (CHL COLD...	08-Jan-07	12-Jan-07	1.00	$30,636	12.07	$0	$30,636	$0	4.20
12131.04015	FY-07 Develop CHL Cold Box Field Piping Design Initial Phase Final Design (CHL COL...	16-Jan-07	15-May-07	17.00	$20,441	6.32	$0	$31,849	$11,408	29.20
12131.04017	FY-08 Develop CHL Cold Box Field Piping Dsgn, Final Phase Final Dsgn	01-Oct-07	10-Jan-08	13.00	$98,760	47.00	$0	$98,760	$0	10.20
12131.04020	P-1 CHL Cold Box, Dsgn Installtn+	11-Jan-08	19-May-08	18.00	$61,914	26.00	$0	$64,081	$2,167	10.20
12131.04025	P-2 CHL Cold Box, Dsgn Installtn+	05-Jan-09	12-May-09	18.00	$69,758	28.00	$0	$72,026	$2,268	19.60
12131.04030	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$64,773	$64,773	$0	4.00
1.2.1.3.1.05	**CHL OIL REMOVAL SYSTEMS**	02-Oct-06	30-Aug-13	342.80	$25,392	12.18	$29,511	$54,902	$0	4.00
12131.05005	Develop Oil Removal Equipment Fabricaton Drawings Preliminary (CHL OIL REM SYS)	02-Oct-06	05-Jan-07	12.40	$3,815	1.81	$0	$3,815	$0	4.20
12131.05010	Develop Oil Removal Equipment Fabricaton Drawings Initial Phase Final Design (CHL O...	23-Mar-07	01-May-07	5.60	$21,576	10.37	$0	$21,576	$0	60.80
12131.05020	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$29,511	$29,511	$0	4.00
1.2.1.3.1.06	**CHL GAS MANAGEMENT RACK**	02-Oct-06	30-Aug-13	342.80	$17,539	8.70	$12,174	$29,713	$0	4.00
12131.06005	Develop Gas Management Rack Assembly and Fabrication Drawings Preliminary (CHL ...	02-Oct-06	05-Jan-07	12.40	$2,703	1.32	$0	$2,703	$0	4.20
12131.06010	Develop Gas Management Rack Assembly and Fabrication Drawings Initial Phase Final ...	14-Mar-07	20-Apr-07	5.60	$14,836	7.38	$0	$14,836	$0	58.00
12131.06015	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$12,174	$12,174	$0	4.00
1.2.1.3.1.07	**CHL SYSTEM INSTRUMENTATION & CONTROLS**	02-Oct-06	30-Aug-13	342.80	$154,525	67.74	$181,671	$353,112	$16,917	4.00
12131.07005	Develop CHL Instrumentation and Controls Assembly Design Preliminary (CHL SYS INS...	02-Oct-06	05-Jan-07	12.40	$31,364	13.33	$1,395	$34,159	$1,400	4.20
12131.07010	FY-07 Develop CHL Instrumentation and Controls Assembly Design Initial Phase Final D...	16-Jan-07	28-Sep-07	36.00	$16,469	7.41	$7,895	$32,254	$7,890	4.20
12131.07012	FY-08 Develop CHL Inst & Controls Assy Dsgn, Initl Phase Final Dsgn	01-Oct-07	12-May-08	30.00	$60,851	27.00	$0	$60,851	$0	4.20
12131.07015	PROC Engineer CHL Sys Instrmenttn & Controls+	13-May-08	31-Aug-09	65.00	$0	0.00	$7,450	$7,450	$0	4.20
12131.07015a	FY08 LAB/EXP Engineer CHL Sys Instrmenttn & Controls+	13-May-08	30-Sep-08	19.60	$13,521	6.03	$0	$15,770	$2,250	4.20
12131.07015b	FY09 LAB/EXP Engineer CHL Sys Instrmenttn & Controls+	01-Oct-08	31-Aug-09	45.40	$32,321	13.97	$0	$37,698	$5,377	4.20
12131.07020	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$164,931	$164,931	$0	4.00
1.2.1.3.1.08	**CHL INSTRUMENT AIR SYSTEM**	08-Apr-09	30-Aug-13	218.80	$65,802	31.00	($64,645)	$1,157	$0	4.00
12131.08000	CHL Instrument Air Sys Engrng+	08-Apr-09	27-Aug-09	20.00	$65,802	31.00	$0	$65,802	$0	4.60
12131.08010	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($64,645)	($64,645)	$0	4.00
1.2.1.3.1.09	**MOTOR CONTROL CENTERS**	08-Apr-09	30-Aug-13	218.80	$13,140	6.00	($4,580)	$8,559	$0	4.00
12131.09000	Motor Control Center Specification Development+	08-Apr-09	19-May-09	6.00	$13,140	6.00	$0	$13,140	$0	18.60
12131.09005	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($4,580)	($4,580)	$0	4.00
1.2.1.3.1.10	**CHL INSTALLATION DESIGN**	02-Oct-06	30-Aug-13	342.80	$143,103	65.62	($99,346)	$50,144	$6,387	4.00
12131.10005	Develop Utility Field Piping Installation Design Preliminary (CHL INSTAL DES)	02-Oct-06	19-Dec-06	11.00	$44,962	22.62	$0	$44,962	$0	5.60
12131.10010	Engineer & Dsgn CHL Installtn+	01-Oct-07	24-Jun-08	36.00	$98,140	43.00	$0	$104,528	$6,387	5.20
12131.10015	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($99,346)	($99,346)	$0	4.00
1.2.1.3.1.11	**CHL COMMISSIONING PLANNING**	02-Oct-06	30-Aug-13	342.80	$88,235	41.45	($52,273)	$35,962	$0	4.00
12131.11005	Develop CHL Commissioning Design and Plan Preliminary (CHL COMMIS)	02-Oct-06	17-Nov-06	7.00	$60,961	30.45	$0	$60,961	$0	9.60
12131.11010	Develop CHL Cmmssng Plan++	04-Jan-08	10-Mar-08	9.00	$27,274	11.00	$0	$27,274	$0	20.20
12131.11015	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($52,273)	($52,273)	$0	4.00
1.2.1.3.2 HALL D		12-Jan-09	30-Aug-13	230.80	$85,676	39.00	($28,951)	$56,725	$0	4.00
1.2.1.3.2.2 HALL D COLD BOX		08-Apr-09	30-Aug-13	218.80	$10,226	4.00	$15,583	$25,809	$0	4.00
121322000	Evaluate H-D Refrigerator Cold Box+	08-Apr-09	27-May-09	7.00	$10,226	4.00	$0	$10,226	$0	17.60
121322005	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$15,583	$15,583	$0	4.00
1.2.1.3.2.3 HALL D DISTRIBUTION SYSTEM		12-Jan-09	30-Aug-13	230.80	$36,358	18.00	($36,358)	$0	$0	4.00
121323000	Dsgn H-D Refrigerator Interconnecting Piping+	12-Jan-09	17-Jun-09	22.00	$36,358	18.00	$0	$36,358	$0	0.60
121323005	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($36,358)	($36,358)	$0	4.00
1.2.1.3.2.4 INSTRUMENTATION & CONTROLS		18-Jun-09	30-Aug-13	208.80	$30,480	13.00	$436	$30,916	$0	4.00
121324000	Dsgn H-D Refrgerator Controls+	18-Jun-09	25-Sep-09	14.00	$30,480	13.00	$0	$30,480	$0	0.60
121324005	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$436	$436	$0	4.00
1.2.1.3.2.5 U-TUBES		08-Apr-09	30-Aug-13	218.80	$8,612	4.00	($8,612)	$0	$0	4.00
121325000	Dsgn H-D Refrigerator U-Tubes+	08-Apr-09	12-May-09	5.00	$8,612	4.00	$0	$8,612	$0	19.60
121325005	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($8,612)	($8,612)	$0	4.00
1.2.1.4 BEAM TRANSPORT		02-Oct-06	30-Aug-13	342.80	$2,042,453	955.62	$409,047	$2,961,420	$509,919	63.40
1.2.1.4.1 SPREADERS & RECOMBINERS		02-Oct-06	30-Aug-13	342.80	$1,131,438	529.74	$101,742	$1,614,856	$381,676	4.00
1.2.1.4.1.1 DIPOLES		02-Oct-06	30-Aug-13	342.80	$665,028	290.62	$147,016	$987,817	$175,773	4.00
121411007L	FY07 Management of S/R PED Effort (DIPOLES)	02-Oct-06	28-Sep-07	49.40	$40,651	17.40	$0	$61,291	$20,640	4.00
121411015	Beam Transport Physics Design & Safety Review (DIPOLES)	06-Dec-06	25-Jan-07	6.00	$4,468	1.74	$0	$4,468	$0	21.80
121411015M	Beam Transport Physics Design & Safety Review Completed (DIPOLES)		25-Jan-07	0.00	$0	0.00	$0	$0	$0	21.80
121411020	Installation Cost Schedule and Safety Review (DIPOLES)	09-May-07	06-Jun-07	4.00	$4,318	1.74	$0	$4,318	$0	103.40
121411020M	Installation Cost Schedule and Safety Review Complete (DIPOLES)		06-Jun-07	0.00	$0	0.00	$0	$0	$0	103.40
121411025	Develop Preliminary design of S/R Dipoles and Septa (DIPOLES)	02-Oct-06	16-Mar-07	22.00	$35,047	15.66	$0	$35,047	$0	80.80



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Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
121411030	Preliminary Design & Safety Review of S/R Dipoles and Septa (DIPOLES)	16-Feb-07	16-Mar-07	4.00	$3,777	1.78	$0	$3,777	$0	80.80
121411030M	S/R Dipoles & Septa Preliminary Design & Safety Review Completed (DIPOLES)		16-Mar-07	0.00	$0	0.00	$0	$0	$0	80.80
121411035	FY07 Develop Detailed Design of West curved dipoles (DIPOLES)	19-Mar-07	28-Sep-07	27.40	$26,387	13.38	$0	$26,387	$0	80.80
121411036	Develop Detailed Dsgn of West Curved Dipoles (S/R Dipoles)	01-Oct-07	02-Jan-08	11.80	$17,616	9.00	$0	$17,616	$0	80.80
121411037	Design Option B of West XU Curved Dipoles (S/R Dipoles)	16-Jan-09	05-Mar-09	6.60	$5,105	2.00	$0	$24,118	$19,013	29.20
121411038	Design Option B of West XV Curved Dipoles (S/R Dipoles)	09-Jan-09	26-Feb-09	6.60	$5,105	2.00	$0	$24,118	$19,013	30.20
121411040M	Dsgn of West Curved Dipoles Comp (S/R DIPOLES)		05-Mar-09	0.00	$0	0.00	$0	$0	$0	29.20
121411045	FY07 Develop Detailed Design of New 3m Septa (DIPOLES)	19-Mar-07	28-Sep-07	27.40	$37,381	18.78	$0	$37,381	$0	99.20
121411046	Develop Detailed Dsgn of New 3m Septa (S/R Dipoles)	01-Oct-07	02-Jan-08	11.80	$57,021	29.00	$0	$57,021	$0	87.40
121411050M	Detailed Dsgn of New 3m Septa Comp (S/R DIPOLES)		02-Jan-08	0.00	$0	0.00	$0	$0	$0	87.40
121411055	Develop Detailed Design of New AG and 2m AH Replacements (DIPOLES)	19-Mar-07	21-Aug-07	22.00	$24,976	13.05	$0	$24,976	$0	92.80
121411060M	Finish All New S/R C Shaped Dipoles (DIPOLES)		21-Aug-07	0.00	$0	0.00	$0	$0	$0	92.80
121411065	Detailed Dsgn of East Curved Dipoles (S/R Dipoles)	03-Dec-07	13-Jun-08	26.00	$43,578	22.00	$0	$43,578	$0	64.60
121411066	Design Option B of East XM Curved Dipoles (S/R Dipoles)	01-Dec-08	16-Jan-09	5.80	$5,105	2.00	$0	$24,118	$19,013	35.60
121411070M	Dsgn of East Curved Dipoles Comp (S/R DIPOLES)		16-Jan-09	0.00	$0	0.00	$0	$0	$0	35.60
121411075	Detailed Dsgn of New 2m Septa (S/R Dipoles)	01-Oct-07	14-Apr-08	26.00	$27,661	14.00	$0	$27,661	$0	73.20
121411080	Detailed Dsgn of New 2m Narrow Pole Septa (S/R Dipoles)	01-Oct-07	16-Jul-08	39.00	$46,976	24.00	$0	$46,976	$0	60.20
121411081	Design New Dipole for Launch into ARC 10 (S/R Dipoles)	12-Jan-09	27-Feb-09	6.60	$5,105	2.00	$0	$24,118	$19,013	30.00
121411085	Top Leg Return Dsgns for Trapezoid Dipoles (S/R Dipoles)	05-Jan-09	03-Mar-09	8.00	$12,119	6.00	$0	$12,119	$0	29.60
121411090	FY08 Top Assy Dsgns for Modified S/R Dipoles (S/R Dipoles)	01-Apr-08	30-Sep-08	25.60	$54,586	29.01	$0	$54,586	$0	45.20
121411090a	FY09 Top Assy Dsgns for Modified S/R Dipoles (S/R Dipoles)	01-Oct-08	30-Oct-08	4.40	$9,682	4.99	$0	$9,682	$0	45.20
121411091	East Option B Top Assy Dsgns for Modified S/R Dipoles (S/R Dipoles)	01-Apr-09	30-Jun-09	12.80	$15,314	6.00	$0	$45,194	$29,880	12.80
121411092	West Option B Top Assy Dsgns for Modified S/R Dipoles (S/R Dipoles)	01-May-09	30-Jul-09	12.60	$15,314	6.00	$0	$45,194	$29,880	8.60
121411110M	All S/R Dipole & Septa Dsgns Comp (S/R DIPOLES)++		30-Jul-09	0.00	$0	0.00	$0	$0	$0	8.60
121411120	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$147,016	$147,016	$0	4.00
121411908L	FY08 Mngmnt of S/R PED Effort (S/R Dipoles)	01-Oct-07	30-Sep-08	49.60	$97,940	31.00	$0	$110,323	$12,383	4.00
121411909L	FY09 Mngmnt of S/R PED Effort (S/R Dipoles)	01-Oct-08	30-Sep-09	49.60	$57,074	15.00	$0	$57,074	$0	4.00
13411909LC	FY09 Mngmnt & Oversight (S/R Dipoles)	01-Oct-08	24-Dec-08	11.80	$12,722	3.09	$0	$19,661	$6,939	4.00
1.2.1.4.1.4 STANDS		01-Nov-06	30-Aug-13	338.40	$392,433	199.62	($8,517)	$589,818	$205,902	4.00
121414005	Develop Preliminary S/R Stand and Layout Design (STANDS)	01-Nov-06	17-Apr-07	22.00	$42,459	20.88	$0	$42,459	$0	46.20
121414010	Preliminary Design & Safety Review of Stands (STANDS)	21-Mar-07	17-Apr-07	4.00	$3,685	1.74	$0	$3,685	$0	46.20
121414010M	Preliminary S/R Stand and Layout Design & Safety Review Completed (STANDS)		17-Apr-07	0.00	$0	0.00	$0	$0	$0	46.20
121414015	FY08 Detailed Dsgn of East S/R (S/R Stands) PED++	02-Jan-08	30-Sep-08	38.00	$69,840	37.00	$0	$97,701	$27,861	11.60
121414015a	FY09 Detailed Dsgn of East S/R (S/R Stands) PED++	01-Oct-08	09-Jul-09	38.00	$72,072	37.00	$0	$100,822	$28,750	11.60
121414016	Incorporate Changes B to the Modified East S/R (S/R Dipoles)	02-Mar-09	14-Aug-09	23.60	$20,419	8.00	$0	$112,768	$92,349	6.40
121414020	FY08 Detailed Dsgn of West S/R (S/R Stands)++	22-Apr-08	30-Sep-08	22.60	$56,503	29.82	$0	$73,993	$17,491	0.20
121414020a	FY09 Detailed Dsgn of West S/R (S/R Stands)++	01-Oct-08	29-Sep-09	49.40	$127,455	65.18	$0	$166,906	$39,451	0.20
121414025	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($8,517)	($8,517)	$0	4.00
1.2.1.4.1.6 VACUUM		04-Feb-08	30-Aug-13	277.40	$73,977	39.50	($36,757)	$37,220	$0	4.00
121416000	FY08 Detailed Dsgn of East S/R Dipole Chambers (S/R Vac)++	04-Feb-08	30-Sep-08	33.60	$43,480	23.10	$0	$43,480	$0	42.20
121416000a	FY09 Detailed Dsgn of East S/R Dipole Chambers (S/R Vac)++	01-Oct-08	13-Nov-08	6.40	$8,547	4.40	$0	$8,547	$0	42.20
121416005	FY08 Detailed Dsgn of West S/R Dipole Chambers (S/R Vac)++	15-Apr-08	30-Sep-08	23.60	$21,574	11.80	$0	$21,574	$0	49.20
121416005a	FY09 Detailed Dsgn of West S/R Dipole Chambers (S/R Vac)++	01-Oct-08	02-Oct-08	0.40	$377	0.20	$0	$377	$0	49.20
121416010	Pre-Constrctn Dsgn Review for S/R's++	04-Jun-09	10-Jun-09	1.00	$0	0.00	$0	$0	$0	15.60
121416015	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($36,757)	($36,757)	$0	4.00
1.2.1.4.2 EXISTING ARCS (1-9, A, B, & C)		02-Oct-06	30-Aug-13	342.80	$148,473	65.70	($73,146)	$129,816	$54,489	63.40
1.2.1.4.2.1 DIPOLES		02-Oct-06	30-Aug-13	342.80	$94,153	37.85	($79,179)	$69,463	$54,489	4.00
121421005	Develop Partial Design of Arc Dipole H-Iron (DIPOLES)	02-Oct-06	01-Feb-07	16.00	$20,938	10.44	$0	$20,938	$0	119.60
121421010	Preliminary Design & Safety Review of Existing Arcs Dipoles (DIPOLES)	04-Jan-07	01-Feb-07	4.00	$3,692	1.74	$0	$3,692	$0	119.60
121421010M	Existing Arcs Dipoles Preliminary Design & Safety Review Completed (DIPOLES)		01-Feb-07	0.00	$0	0.00	$0	$0	$0	119.60
121421020	Finish Dsgn of Arc Dipole H-Iron (EXIST ARC Dipoles) ++	01-Oct-08	02-Jan-09	12.00	$20,887	11.00	$0	$20,887	$0	36.60
121421021	Add H Steel to ARC 1 & 2 Design (S/R Dipoles)	17-Mar-09	28-Apr-09	6.20	$7,657	3.00	$0	$21,239	$13,582	55.80
121421022	Synchrotron Radiation Compensation Design (S/R Dipoles)	28-Apr-09	22-May-09	3.80	$10,210	4.00	$0	$23,792	$13,582	56.20
121421025	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($79,179)	($79,179)	$0	4.00
121421908L	FY08 Mngmnt of Existing Arcs (EXIST ARC Dipoles)	01-Oct-07	30-Sep-08	49.60	$23,918	6.00	$0	$45,753	$21,835	4.00
13421909LC	FY09 Mngmnt & Oversight (EXIST ARC Dipoles)	01-Oct-08	24-Dec-08	11.80	$6,850	1.67	$0	$12,340	$5,489	4.00
1.2.1.4.2.2 QUADRUPOLES		01-Oct-08	30-Aug-13	243.80	$7,238	3.24	($6,312)	$926	$0	63.40
121422000	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($6,312)	($6,312)	$0	4.00

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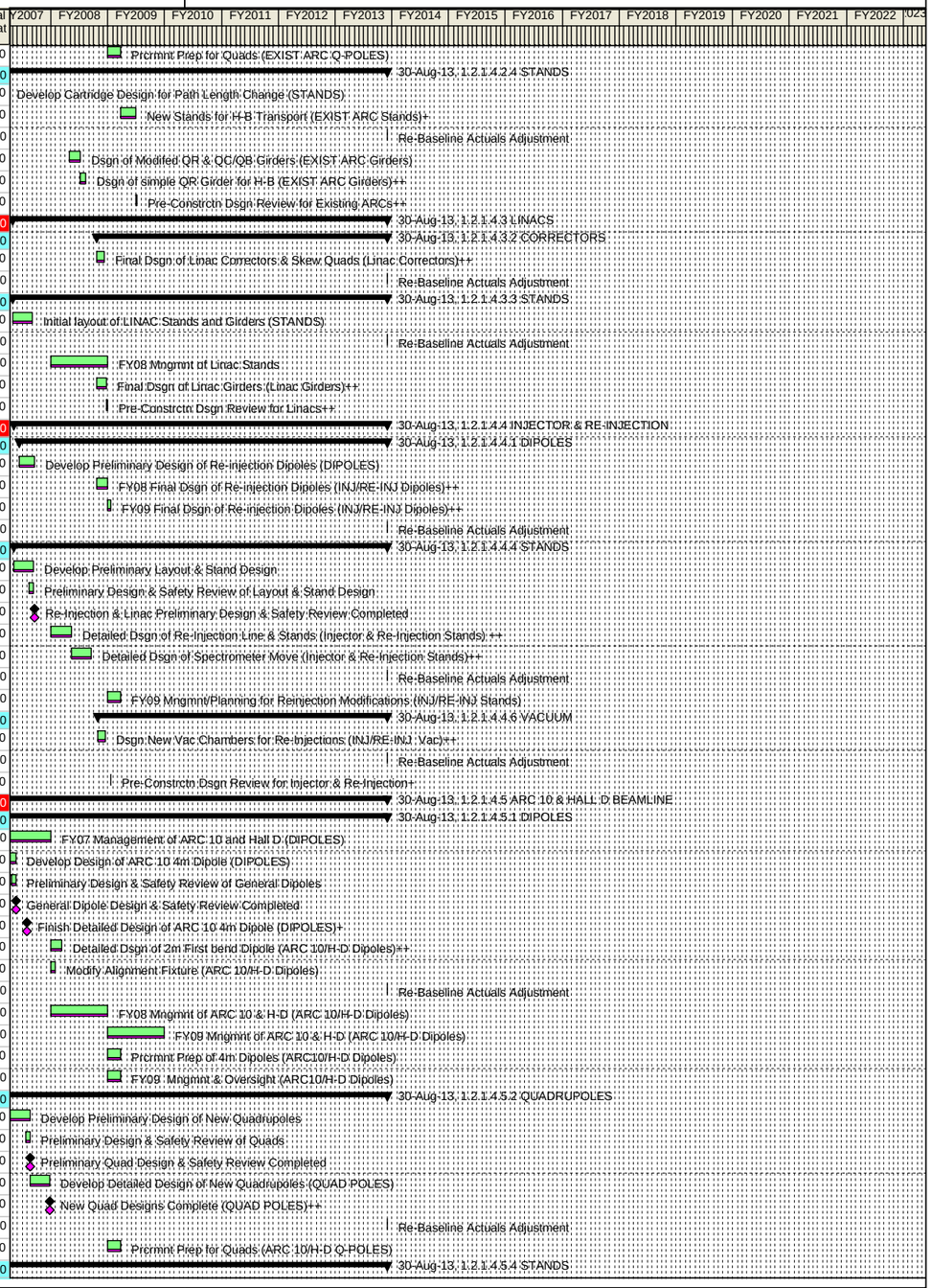
Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
13422035XD	Prcrmnt Prep for Quads (EXIST ARC Q-POLES)	01-Oct-08	24-Dec-08	11.80	$7,238	3.24	$0	$7,238	$0	295.40
1.2.1.4.2.4 STANDS		16-Oct-06	30-Aug-13	340.80	$47,082	24.61	$12,345	$59,427	$0	4.00
121424005	Develop Cartridge Design for Path Length Change (STANDS)	16-Oct-06	19-Dec-06	9.00	$5,235	2.61	$0	$5,235	$0	124.60
121424010	New Stands for H-B Transport (EXIST ARC Stands)+	24-Dec-08	27-Mar-09	12.00	$19,134	10.00	$0	$19,134	$0	25.00
121424015	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$12,345	$12,345	$0	4.00
121425005	Dsgn of Modifed QR & QC/QB Girders (EXIST ARC Girders)	28-Jan-08	07-Apr-08	10.00	$15,142	8.00	$0	$15,142	$0	68.20
121425010	Dsgn of simple QR Girder for H-B (EXIST ARC Girders)++	08-Apr-08	12-May-08	5.00	$7,571	4.00	$0	$7,571	$0	68.20
121425015	Pre-Constrctn Dsgn Review for Existing ARCs++	30-Mar-09	03-Apr-09	1.00	$0	0.00	$0	$0	$0	25.00
1.2.1.4.3 LINACS		01-Feb-07	30-Aug-13	327.00	$32,999	16.22	$23,501	$56,500	$0	4.00
1.2.1.4.3.2 CORRECTORS		24-Jul-08	30-Aug-13	253.40	$10,045	5.00	$192	$10,237	$0	4.00
121432005	Final Dsgn of Linac Correctors & Skew Quads (Linac Correctors)++	24-Jul-08	04-Sep-08	6.00	$10,045	5.00	$0	$10,045	$0	52.20
121432010	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$192	$192	$0	4.00
1.2.1.4.3.3 STANDS		01-Feb-07	30-Aug-13	327.00	$22,954	11.22	$23,309	$46,264	$0	4.00
121433005	Initial layout of LINAC Stands and Girders (STANDS)	01-Feb-07	01-Jun-07	17.00	$10,436	5.22	$0	$10,436	$0	80.40
121433010	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$23,309	$23,309	$0	4.00
121433908L	FY08 Mngmnt of Linac Stands	01-Oct-07	30-Sep-08	49.60	$0	0.00	$0	$0	$0	4.00
121434005	Final Dsgn of Linac Girders (Linac Girders)++	24-Jul-08	18-Sep-08	8.00	$12,518	6.00	$0	$12,518	$0	50.20
121434999	Pre-Constrctn Dsgn Review for Linacs++	19-Sep-08	25-Sep-08	1.00	$0	0.00	$0	$0	$0	50.20
1.2.1.4.4 INJECTOR & RE-INJECTION		02-Feb-07	30-Aug-13	326.80	$151,456	75.43	$21,330	$172,786	$0	4.00
1.2.1.4.4.1 DIPOLES		15-Mar-07	30-Aug-13	321.20	$34,092	17.35	$5,697	$39,789	$0	4.00
121441005	Develop Preliminary Design of Re-injection Dipoles (DIPOLES)	15-Mar-07	14-Jun-07	13.00	$9,523	4.35	$0	$9,523	$0	78.60
121441010	FY08 Final Dsgn of Re-injection Dipoles (INJ/RE-INJ Dipoles)++	24-Jul-08	30-Sep-08	9.60	$19,530	10.40	$0	$19,530	$0	46.80
121441010a	FY09 Final Dsgn of Re-injection Dipoles (INJ/RE-INJ Dipoles)++	01-Oct-08	16-Oct-08	2.40	$5,039	2.60	$0	$5,039	$0	46.80
121441015	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$5,697	$5,697	$0	4.00
1.2.1.4.4.4 STANDS		02-Feb-07	30-Aug-13	326.80	$107,632	52.58	$25,366	$132,998	$0	4.00
121444005	Develop Preliminary Layout & Stand Design	02-Feb-07	11-Jun-07	18.00	$17,805	8.70	$0	$17,805	$0	79.20
121444010	Preliminary Design & Safety Review of Layout & Stand Design	14-May-07	11-Jun-07	4.00	$3,681	1.74	$0	$3,681	$0	79.20
121444010M	Re-Injection & Linac Preliminary Design & Safety Review Completed		14-Jun-07	0.00	$0	0.00	$0	$0	$0	78.60
121444015	Detailed Dsgn of Re-Injection Line & Stands (Injector & Re-Injection Stands) ++	01-Oct-07	08-Feb-08	17.00	$41,878	21.00	$0	$41,878	$0	63.80
121444020	Detailed Dsgn of Spectrometer Move (Injector & Re-Injection Stands)++	11-Feb-08	17-Jun-08	18.00	$37,706	19.00	$0	$37,706	$0	63.80
121444025	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$25,366	$25,366	$0	4.00
13444909LC	FY09 Mngmnt/Planning for Reinjection Modifications (INJ/RE-INJ Stands)	01-Oct-08	24-Dec-08	11.80	$6,562	2.14	$0	$6,562	$0	4.00
1.2.1.4.4.6 VACUUM		31-Jul-08	30-Aug-13	252.40	$9,733	5.50	($9,733)	($1)	$0	4.00
121446005	Dsgn New Vac Chambers for Re-Injections (INJ/RE-INJ Vac)++	31-Jul-08	11-Sep-08	6.00	$9,733	5.50	$0	$9,733	$0	51.80
121446010	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($9,733)	($9,733)	$0	4.00
121446999	Pre-Constrctn Dsgn Review for Injector & Re-Injection+	17-Oct-08	20-Oct-08	0.40	$0	0.00	$0	$0	$0	46.80
1.2.1.4.5 ARC 10 & HALL D BEAMLINE		02-Oct-06	30-Aug-13	342.80	$578,087	268.53	$335,620	$987,461	$73,754	4.00
1.2.1.4.5.1 DIPOLES		02-Oct-06	30-Aug-13	342.80	$193,541	77.77	$51,886	$285,853	$40,427	4.00
121451007L	FY07 Management of ARC 10 and Hall D (DIPOLES)	02-Oct-06	28-Sep-07	49.40	$21,128	9.14	$0	$41,768	$20,640	4.00
121451020	Develop Design of ARC 10 4m Dipole (DIPOLES)	02-Oct-06	15-Feb-07	18.00	$28,322	13.92	$0	$28,322	$0	94.40
121451025	Preliminary Design & Safety Review of General Dipoles	19-Jan-07	15-Feb-07	4.00	$3,692	1.74	$0	$3,692	$0	94.40
121451025M	General Dipole Design & Safety Review Completed		15-Feb-07	0.00	$0	0.00	$0	$0	$0	94.40
121451030M	Finish Detailed Design of ARC 10 4m Dipole (DIPOLES)+		27-Apr-07	0.00	$0	0.00	$0	$0	$0	94.40
121451035	Detailed Dsgn of 2m First bend Dipole (ARC 10/H-D Dipoles)++	01-Oct-07	11-Dec-07	10.00	$39,405	20.00	$0	$39,405	$0	80.20
121451040	Modify Alignment Fixture (ARC 10/H-D Dipoles)	01-Oct-07	26-Oct-07	4.00	$0	0.00	$0	$0	$0	94.20
121451060	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$51,886	$51,886	$0	4.00
121451908L	FY08 Mngmnt of ARC 10 & H-D (ARC 10/H-D Dipoles)	01-Oct-07	30-Sep-08	49.60	$55,602	20.00	$0	$73,702	$18,100	4.00
121451909L	FY09 Mngmnt of ARC 10 & H-D (ARC 10/H-D Dipoles)	01-Oct-08	30-Sep-09	49.60	$36,506	10.00	$0	$36,506	$0	4.00
13451055XD	Prcrmnt Prep of 4m Dipoles (ARC10/H-D Dipoles)	01-Oct-08	24-Dec-08	11.80	$3,992	1.79	$0	$3,992	$0	23.40
13451909LC	FY09 Mngmnt & Oversight (ARC10/H-D Dipoles)	01-Oct-08	24-Dec-08	11.80	$4,893	1.19	$0	$6,580	$1,687	4.00
1.2.1.4.5.2 QUADRUPOLES		05-Dec-06	30-Aug-13	334.00	$59,495	29.56	$108,652	$168,147	$0	4.00
121452005	Develop Preliminary Design of New Quadrupoles	05-Dec-06	17-May-07	22.00	$22,131	10.44	$0	$22,131	$0	68.60
121452010	Preliminary Design & Safety Review of Quads	20-Apr-07	17-May-07	4.00	$3,681	1.74	$0	$3,681	$0	68.60
121452010M	Preliminary Quad Design & Safety Review Completed		17-May-07	0.00	$0	0.00	$0	$0	$0	68.60
121452015	Develop Detailed Design of New Quadrupoles (QUAD POLES)	18-May-07	25-Sep-07	18.00	$28,099	14.79	$0	$28,099	$0	68.60
121452020M	New Quad Designs Complete (QUAD POLES)++		25-Sep-07	0.00	$0	0.00	$0	$0	$0	68.60
121452025	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$108,652	$108,652	$0	4.00
13452025X	Prcrmnt Prep for Quads (ARC 10/H-D Q-POLES)	01-Oct-08	24-Dec-08	11.80	$5,584	2.59	$0	$5,584	$0	18.40
1.2.1.4.5.4 STANDS		05-Dec-06	30-Aug-13	334.00	$312,768	155.06	$174,878	$520,974	$33,328	4.00



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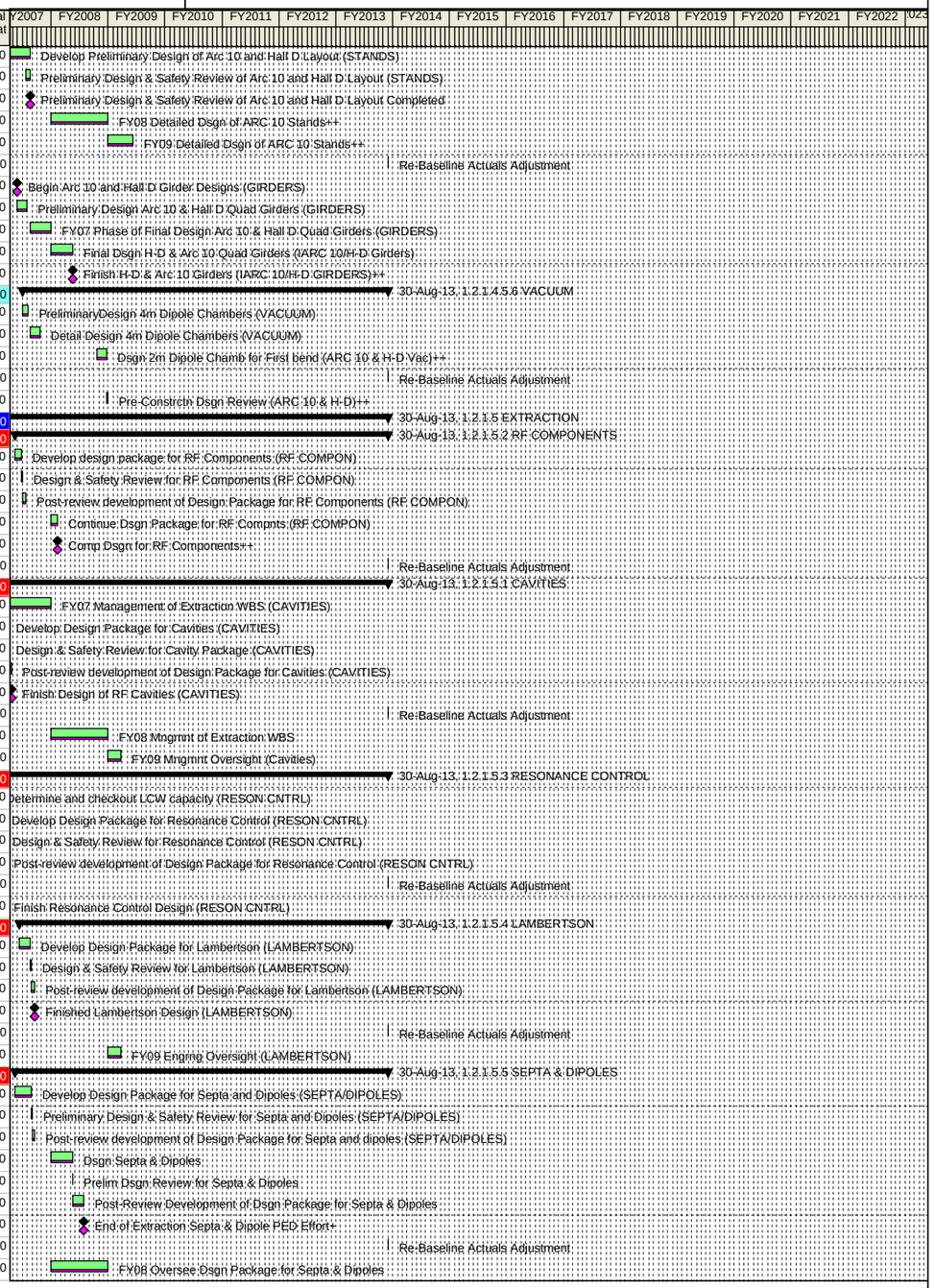
Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
121454005	Develop Preliminary Design of Arc 10 and Hall D Layout (STANDS)	05-Dec-06	17-May-07	22.00	$31,348	15.66	$0	$31,348	$0	80.20
121454010	Preliminary Design & Safety Review of Arc 10 and Hall D Layout (STANDS)	20-Apr-07	17-May-07	4.00	$3,681	1.74	$0	$3,681	$0	80.20
121454010M	Preliminary Design & Safety Review of Arc 10 and Hall D Layout Completed		17-May-07	0.00	$0	0.00	$0	$0	$0	80.20
121454015	FY08 Detailed Dsgn of ARC 10 Stands++	01-Oct-07	30-Sep-08	49.60	$148,811	73.69	$0	$172,209	$23,398	29.20
121454015a	FY09 Detailed Dsgn of ARC 10 Stands++	01-Oct-08	05-Mar-09	20.40	$63,160	30.31	$0	$73,090	$9,930	29.20
121454020	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$174,878	$174,878	$0	4.00
121455000M	Begin Arc 10 and Hall D Girder Designs (GIRDERS)	01-Mar-07		0.00	$0	0.00	$0	$0	$0	82.80
121455005	Preliminary Design Arc 10 & Hall D Quad Girders (GIRDERS)	01-Mar-07	30-Apr-07	8.60	$9,080	4.66	$0	$9,080	$0	82.80
121455006	FY07 Phase of Final Design Arc 10 & Hall D Quad Girders (GIRDERS)	18-May-07	28-Sep-07	18.60	$21,457	11.00	$0	$21,457	$0	80.20
121455010	Final Dsgn H-D & Arc 10 Quad Girders (IARC 10/H-D Girders)	01-Oct-07	15-Feb-08	18.00	$35,232	18.00	$0	$35,232	$0	80.20
121455015M	Finish H-D & Arc 10 Girders (IARC 10/H-D GIRDERS)++		15-Feb-08	0.00	$0	0.00	$0	$0	$0	80.20
1.2.1.4.5.6 VACUUM		02-Apr-07	30-Aug-13	318.80	$12,283	6.13	$205	$12,487	$0	4.00
121456005	PreliminaryDesign 4m Dipole Chambers (VACUUM)	02-Apr-07	04-May-07	5.00	$1,295	0.52	$0	$1,295	$0	82.00
121456010	Detail Design 4m Dipole Chambers (VACUUM)	18-May-07	24-Jul-07	9.20	$5,115	2.61	$0	$5,115	$0	99.60
121456015	Dsgn 2m Dipole Chamb for First bend (ARC 10 & H-D Vac)++	24-Jul-08	18-Sep-08	8.00	$5,872	3.00	$0	$5,872	$0	50.20
121456020	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$205	$205	$0	4.00
121456999	Pre-Constrctn Dsgn Review (ARC 10 & H-D)++	19-Sep-08	25-Sep-08	1.00	$0	0.00	$0	$0	$0	50.20
1.2.1.5 EXTRACTION		02-Oct-06	30-Aug-13	342.80	$354,385	165.64	$46,103	$424,339	$23,851	4.00
1.2.1.5.2 RF COMPONENTS		14-Feb-07	30-Aug-13	325.20	$18,520	8.35	($16,739)	$1,781	$0	4.00
12152005	Develop design package for RF Components (RF COMPON)	14-Feb-07	28-Mar-07	6.00	$8,023	3.48	$0	$8,023	$0	114.60
12152010	Design & Safety Review for RF Components (RF COMPON)	29-Mar-07	29-Mar-07	0.20	$773	0.35	$0	$773	$0	114.60
12152015	Post-review development of Design Package for RF Components (RF COMPON)	30-Mar-07	20-Apr-07	3.20	$1,181	0.52	$0	$1,181	$0	114.60
12152025	Continue Dsgn Package for RF Compnts (RF COMPON)	01-Oct-07	09-Nov-07	6.00	$8,543	4.00	$0	$8,543	$0	92.20
12152030M	Comp Dsgn for RF Components++		09-Nov-07	0.00	$0	0.00	$0	$0	$0	92.20
12152035	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($16,739)	($16,739)	$0	4.00
1.2.1.5.1 CAVITIES		02-Oct-06	30-Aug-13	342.80	$85,375	34.37	($23,597)	$62,664	$887	4.00
12151007LOE	FY07 Management of Extraction WBS (CAVITIES)	02-Oct-06	28-Sep-07	49.40	$24,132	9.57	$0	$24,132	$0	29.60
12151009	Develop Design Package for Cavities (CAVITIES)	01-Nov-06	07-Dec-06	5.00	$10,676	4.18	$0	$10,676	$0	134.60
12151010	Design & Safety Review for Cavity Package (CAVITIES)	08-Dec-06	08-Dec-06	0.20	$890	0.35	$0	$890	$0	134.60
12151015	Post-review development of Design Package for Cavities (CAVITIES)	11-Dec-06	18-Jan-07	4.40	$2,819	1.57	$0	$2,819	$0	134.60
12151020M	Finish Design of RF Cavities (CAVITIES)		18-Jan-07	0.00	$0	0.00	$0	$0	$0	134.60
12151025	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($23,597)	($23,597)	$0	4.00
12151908LOE	FY08 Mngmnt of Extraction WBS	01-Oct-07	30-Sep-08	49.60	$38,358	15.40	$0	$38,358	$0	29.60
1351909LOEX	FY09 Mngmnt Oversight (Cavities)	01-Oct-08	24-Dec-08	11.80	$8,500	3.31	$0	$9,386	$887	4.00
1.2.1.5.3 RESONANCE CONTROL		02-Oct-06	30-Aug-13	342.80	$22,515	10.88	($11,841)	$10,673	$0	4.00
12153005	Determine and checkout LCW capacity (RESON CNTRL)	02-Oct-06	06-Oct-06	1.00	$1,088	0.43	$0	$1,088	$0	145.40
12153010	Develop Design Package for Resonance Control (RESON CNTRL)	02-Oct-06	10-Nov-06	6.00	$16,348	8.00	$0	$16,348	$0	139.80
12153015	Design & Safety Review for Resonance Control (RESON CNTRL)	16-Nov-06	16-Nov-06	0.20	$1,081	0.52	$0	$1,081	$0	139.80
12153020	Post-review development of Design Package for Resonance Control (RESON CNTRL)	17-Nov-06	27-Nov-06	1.00	$3,997	1.91	$0	$3,997	$0	139.80
12153025	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($11,841)	($11,841)	$0	4.00
12153025M	Finish Resonance Control Design (RESON CNTRL)		27-Nov-06	0.00	$0	0.00	$0	$0	$0	139.80
1.2.1.5.4 LAMBERTSON		15-Mar-07	30-Aug-13	321.20	$27,875	13.53	$12,643	$41,278	$760	4.00
12154005	Develop Design Package for Lambertson (LAMBERTSON)	15-Mar-07	23-May-07	10.00	$13,558	6.36	$0	$13,558	$0	112.80
12154010	Design & Safety Review for Lambertson (LAMBERTSON)	24-May-07	24-May-07	0.20	$8,965	4.69	$0	$8,965	$0	112.80
12154015	Post-review development of Design Package for Lambertson (LAMBERTSON)	25-May-07	15-Jun-07	3.00	$4,137	2.00	$0	$4,137	$0	112.80
12154020M	Finished Lambertson Design (LAMBERTSON)		15-Jun-07	0.00	$0	0.00	$0	$0	$0	112.80
12154025	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$12,643	$12,643	$0	4.00
1354909LOEX	FY09 Engrng Oversight (LAMBERTSON)	01-Oct-08	24-Dec-08	11.80	$1,214	0.48	$0	$1,974	$760	29.60
1.2.1.5.5 SEPTA & DIPOLES		13-Feb-07	30-Aug-13	325.40	$40,280	17.59	$29,185	$69,465	$0	4.00
12155005	Develop Design Package for Septa and Dipoles (SEPTA/DIPOLES)	13-Feb-07	30-May-07	15.00	$13,359	5.39	$0	$13,359	$0	84.80
12155006	Preliminary Design & Safety Review for Septa and Dipoles (SEPTA/DIPOLES)	31-May-07	31-May-07	0.20	$432	0.17	$0	$432	$0	84.80
12155007	Post-review development of Design Package for Septa and dipoles (SEPTA/DIPOLES)	01-Jun-07	14-Jun-07	2.00	$1,295	0.52	$0	$1,295	$0	84.80
12155035	Dsgn Septa & Dipoles	01-Oct-07	15-Feb-08	18.00	$12,318	5.70	$0	$12,318	$0	70.00
12155040	Prelim Dsgn Review for Septa & Dipoles	19-Feb-08	19-Feb-08	0.20	$835	0.40	$0	$835	$0	70.00
12155045	Post-Review Development of Dsgn Package for Septa & Dipoles	20-Feb-08	29-Apr-08	10.00	$7,588	3.60	$0	$7,588	$0	70.00
12155050M	End of Extraction Septa & Dipole PED Effort+		29-Apr-08	0.00	$0	0.00	$0	$0	$0	70.00
12155055	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$29,185	$29,185	$0	4.00
12155908LOE	FY08 Oversee Dsgn Package for Septa & Dipoles	01-Oct-07	30-Sep-08	49.60	$4,452	1.80	$0	$4,452	$0	4.00



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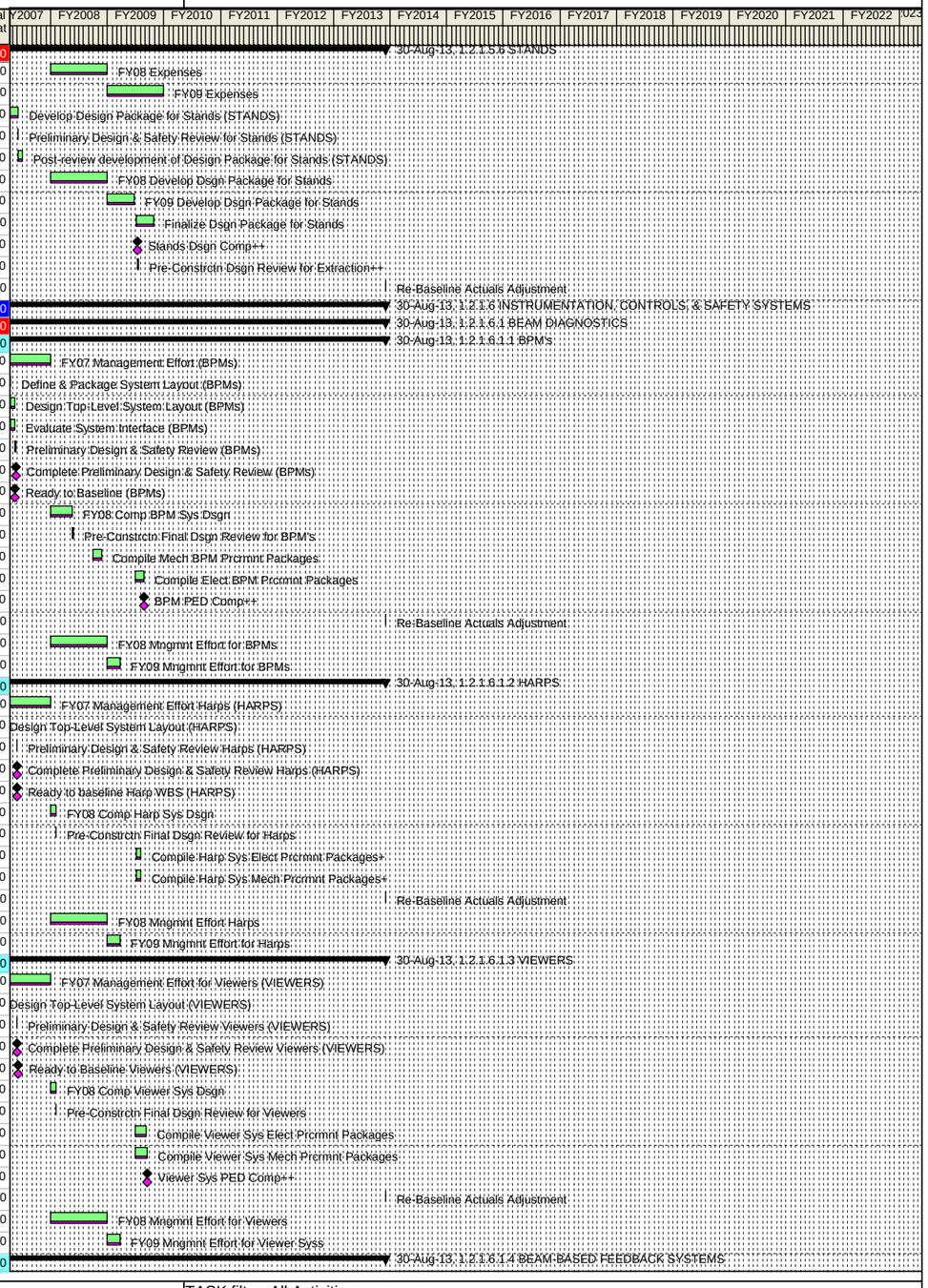
Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
1.2.1.5.6 STANDS		01-Nov-06	30-Aug-13	338.40	$159,821	80.93	$56,453	$238,478	$22,204	4.00
12156000	FY08 Expenses	01-Oct-07	30-Sep-08	49.60	$0	0.00	$0	$10,928	$10,928	0.00
12156002	FY09 Expenses	01-Oct-08	30-Sep-09	49.60	$0	0.00	$0	$11,276	$11,276	0.00
12156005	Develop Design Package for Stands (STANDS)	01-Nov-06	06-Mar-07	16.00	$22,790	11.48	$0	$22,790	$0	37.00
12156010	Preliminary Design & Safety Review for Stands (STANDS)	07-Mar-07	07-Mar-07	0.20	$430	0.17	$0	$430	$0	37.00
12156015	Post-review development of Design Package for Stands (STANDS)	08-Mar-07	04-Apr-07	4.00	$4,628	2.27	$0	$4,628	$0	37.00
12156030	FY08 Develop Dsgn Package for Stands	01-Oct-07	30-Sep-08	49.60	$71,746	37.20	$0	$71,746	$0	12.20
12156030a	FY09 Develop Dsgn Package for Stands	01-Oct-08	19-Mar-09	22.40	$33,437	16.80	$0	$33,437	$0	12.20
12156035	Finalize Dsgn Package for Stands	08-Apr-09	23-Jul-09	15.00	$26,791	13.00	$0	$26,791	$0	9.60
12156040M	Stands Dsgn Comp++		13-Apr-09	0.00	$0	0.00	$0	$0	$0	23.00
12156045	Pre-Constrctn Dsgn Review for Extraction++	13-Apr-09	17-Apr-09	1.00	$0	0.00	$0	$0	$0	23.00
12156050	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$56,453	$56,453	$0	4.00
1.2.1.6 INSTRUMENTATION, CONTROLS, & SAFETY SYSTEMS		02-Oct-06	30-Aug-13	342.80	$901,280	383.47	($58,295)	$892,096	$49,111	4.00
1.2.1.6.1 BEAM DIAGNOSTICS		02-Oct-06	30-Aug-13	342.80	$175,199	70.21	($63,088)	$120,945	$8,834	4.00
1.2.1.6.1.1 BPM's		02-Oct-06	30-Aug-13	342.80	$92,260	38.71	($35,262)	$61,435	$4,436	4.00
121611007L	FY07 Management Effort (BPMs)	02-Oct-06	28-Sep-07	49.40	$6,933	1.74	$0	$6,933	$0	22.20
121611010	Define & Package System Layout (BPMs)	05-Dec-06	12-Jan-07	4.50	$6,812	2.61	$0	$6,812	$0	53.60
121611015	Design Top-Level System Layout (BPMs)	12-Jan-07	14-Feb-07	4.50	$17,064	8.27	$0	$17,064	$0	53.60
121611020	Evaluate System Interface (BPMs)	12-Jan-07	14-Feb-07	4.50	$2,016	0.87	$0	$2,016	$0	53.60
121611025	Preliminary Design & Safety Review (BPMs)	15-Feb-07	15-Feb-07	0.20	$460	0.17	$0	$460	$0	53.60
121611025M	Complete Preliminary Design & Safety Review (BPMs)		15-Feb-07	0.00	$0	0.00	$0	$0	$0	53.60
121611030M	Ready to Baseline (BPMs)		14-Feb-07	0.00	$0	0.00	$0	$0	$0	53.60
121611040	FY08 Comp BPM Sys Dsgn	01-Oct-07	15-Feb-08	18.00	$25,486	11.50	$0	$25,486	$0	22.20
121611041	Pre-Constrctn Final Dsgn Review for BPM's	19-Feb-08	25-Feb-08	1.00	$1,245	0.50	$0	$1,245	$0	22.20
121611045	Compile Mech BPM Prcrmnt Packages	02-Jul-08	27-Aug-08	8.00	$10,584	5.00	$6,191	$18,902	$2,126	54.20
121611050	Compile Elect BPM Prcrmnt Packages	01-Apr-09	27-May-09	8.00	$13,492	6.00	$6,389	$22,191	$2,311	17.60
121611055M	BPM PED Comp++		27-May-09	0.00	$0	0.00	$0	$0	$0	17.60
121611060	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($47,842)	($47,842)	$0	4.00
121611908L	FY08 Mngmnt Effort for BPMs	01-Oct-07	30-Sep-08	49.60	$7,973	2.00	$0	$7,973	$0	4.00
13611909LC	FY09 Mngmnt Effort for BPMs	01-Oct-08	24-Dec-08	11.80	$195	0.05	$0	$195	$0	4.00
1.2.1.6.1.2 HARPS		02-Oct-06	30-Aug-13	342.80	$19,306	6.97	$3,744	$23,051	$0	4.00
121612007L	FY07 Management Effort Harps (HARPS)	02-Oct-06	28-Sep-07	49.40	$3,467	0.87	$0	$3,467	$0	4.00
121612010	Design Top-Level System Layout (HARPS)	02-Oct-06	01-Nov-06	4.50	$3,865	1.74	$0	$3,865	$0	65.40
121612011	Preliminary Design & Safety Review Harps (HARPS)	28-Feb-07	01-Mar-07	0.20	$460	0.17	$0	$460	$0	65.40
121612015M	Complete Preliminary Design & Safety Review Harps (HARPS)		01-Mar-07	0.00	$0	0.00	$0	$0	$0	65.40
121612020M	Ready to baseline Harp WBS (HARPS)		01-Mar-07	0.00	$0	0.00	$0	$0	$0	65.40
121612021	FY08 Comp Harp Sys Dsgn	01-Oct-07	02-Nov-07	5.00	$0	0.00	$0	$0	$0	35.70
121612022	Pre-Constrctn Final Dsgn Review for Harps	05-Nov-07	07-Nov-07	0.50	$0	0.00	$0	$0	$0	35.70
121612030	Compile Harp Sys Elect Prcrmnt Packages+	08-Apr-09	07-May-09	4.30	$4,658	2.00	$0	$4,658	$0	20.30
121612035	Compile Harp Sys Mech Prcrmnt Packages+	08-Apr-09	07-May-09	4.30	$2,088	1.00	$0	$2,088	$0	20.30
121612040	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$3,744	$3,744	$0	4.00
121612908L	FY08 Mngmnt Effort Harps	01-Oct-07	30-Sep-08	49.60	$3,986	1.00	$0	$3,986	$0	4.00
13612909LC	FY09 Mngmnt Effort for Harps	01-Oct-08	24-Dec-08	11.80	$783	0.19	$0	$783	$0	4.00
1.2.1.6.1.3 VIEWERS		02-Oct-06	30-Aug-13	342.80	$19,306	6.97	$8,545	$28,948	$1,097	4.00
121613007L	FY07 Management Effort for Viewers (VIEWERS)	02-Oct-06	28-Sep-07	49.40	$3,467	0.87	$0	$3,467	$0	4.00
121613010	Design Top-Level System Layout (VIEWERS)	02-Oct-06	01-Nov-06	4.50	$3,865	1.74	$0	$3,865	$0	65.40
121613011	Preliminary Design & Safety Review Viewers (VIEWERS)	28-Feb-07	01-Mar-07	0.20	$460	0.17	$0	$460	$0	65.40
121613015M	Complete Preliminary Design & Safety Review Viewers (VIEWERS)		01-Mar-07	0.00	$0	0.00	$0	$0	$0	65.40
121613020M	Ready to Baseline Viewers (VIEWERS)		01-Mar-07	0.00	$0	0.00	$0	$0	$0	65.30
121613026	FY08 Comp Viewer Sys Dsgn	01-Oct-07	02-Nov-07	5.00	$0	0.00	$0	$0	$0	35.70
121613027	Pre-Constrctn Final Dsgn Review for Viewers	05-Nov-07	07-Nov-07	0.50	$0	0.00	$0	$0	$0	35.70
121613030	Compile Viewer Sys Elect Prcrmnt Packages	01-Apr-09	10-Jun-09	10.00	$4,658	2.00	$0	$4,658	$0	15.60
121613035	Compile Viewer Sys Mech Prcrmnt Packages	01-Apr-09	17-Jun-09	11.00	$2,088	1.00	$0	$3,185	$1,097	14.60
121613040M	Viewer Sys PED Comp++		17-Jun-09	0.00	$0	0.00	$0	$0	$0	14.60
121613045	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$8,545	$8,545	$0	4.00
121613908L	FY08 Mngmnt Effort for Viewers	01-Oct-07	30-Sep-08	49.60	$3,986	1.00	$0	$3,986	$0	4.00
13613909LC	FY09 Mngmnt Effort for Viewer Syss	01-Oct-08	24-Dec-08	11.80	$783	0.19	$0	$783	$0	4.00
1.2.1.6.1.4 BEAM-BASED FEEDBACK SYSTEMS		02-Oct-06	30-Aug-13	342.80	$44,326	17.55	($40,115)	$7,512	$3,301	4.00



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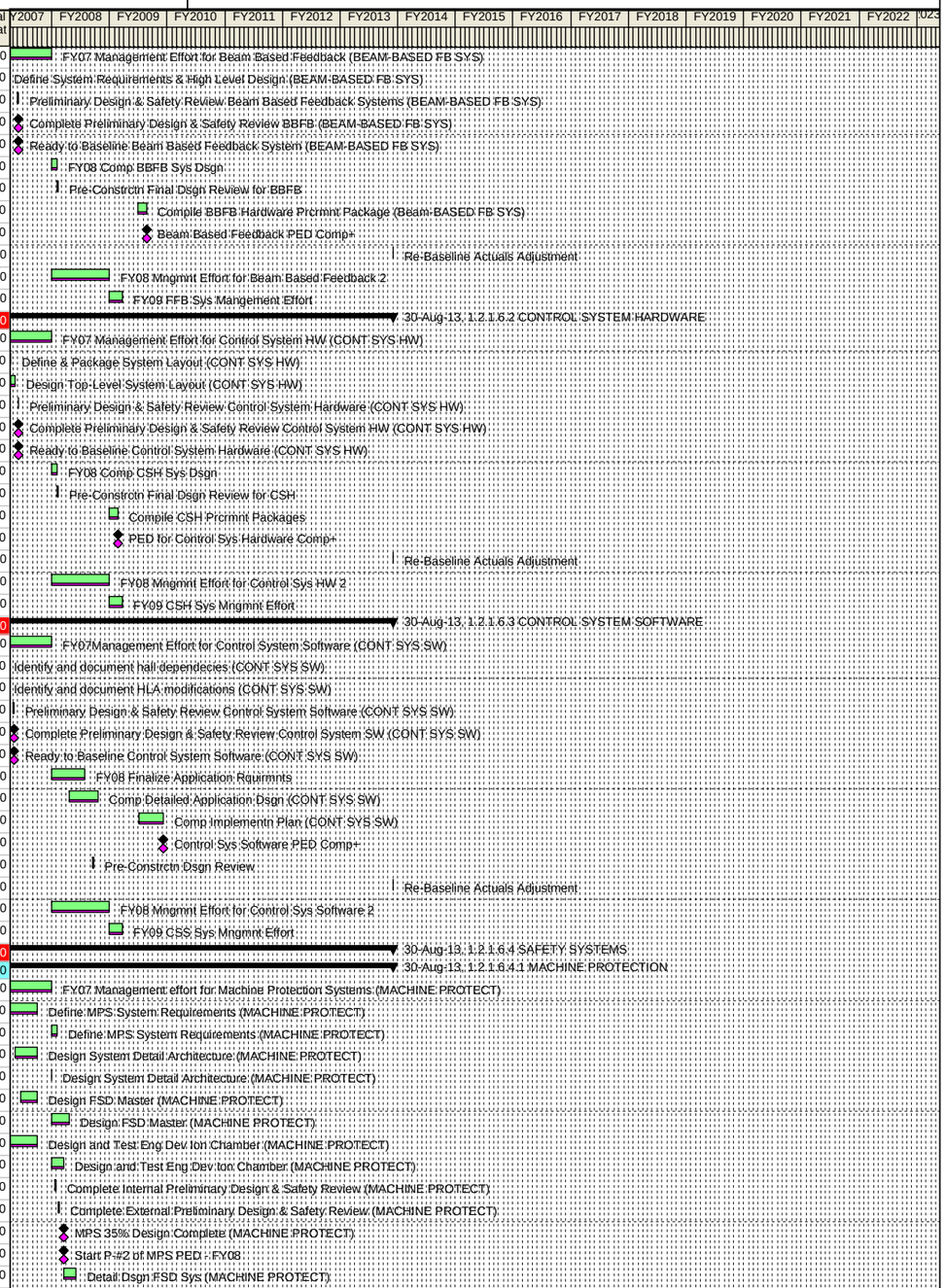
Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
121614007L	FY07 Management Effort for Beam Based Feedback (BEAM-BASED FB SYS)	02-Oct-06	28-Sep-07	49.40	$3,467	0.87	$0	$3,467	$0	4.00
121614010	Define System Requirements & High Level Design (BEAM-BASED FB SYS)	02-Oct-06	28-Nov-06	8.00	$8,729	3.48	$0	$8,729	$0	64.80
121614011	Preliminary Design & Safety Review Beam Based Feedback Systems (BEAM-BASED F...	01-Mar-07	01-Mar-07	0.20	$460	0.17	$0	$460	$0	65.30
121614015M	Complete Preliminary Design & Safety Review BBFB (BEAM-BASED FB SYS)		01-Mar-07	0.00	$0	0.00	$0	$0	$0	65.30
121614020M	Ready to Baseline Beam Based Feedback System (BEAM-BASED FB SYS)		01-Mar-07	0.00	$0	0.00	$0	$0	$0	64.80
121614026	FY08 Comp BBFB Sys Dsgn	01-Oct-07	02-Nov-07	5.00	$0	0.00	$0	$0	$0	35.20
121614027	Pre-Constrctn Final Dsgn Review for BBFB	05-Nov-07	09-Nov-07	1.00	$0	0.00	$0	$0	$0	35.20
121614030	Compile BBFB Hardware Prcrmnt Package (Beam-BASED FB SYS)	01-Apr-09	27-May-09	8.00	$27,586	12.00	$0	$30,887	$3,301	17.60
121614035M	Beam Based Feedback PED Comp+		27-May-09	0.00	$0	0.00	$0	$0	$0	17.60
121614040	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($40,115)	($40,115)	$0	4.00
121614908L	FY08 Mngmnt Effort for Beam Based Feedback 2	01-Oct-07	30-Sep-08	49.60	$3,986	1.00	$0	$3,986	$0	4.00
13614909LC	FY09 FFB Sys Mangement Effort	01-Oct-08	24-Dec-08	11.80	$98	0.02	$0	$98	$0	4.00
1.2.1.6.2 CONTROL SYSTEM HARDWARE		02-Oct-06	30-Aug-13	342.80	$31,182	11.45	$5,406	$37,685	$1,097	4.00
12162007LOE	FY07 Management Effort for Control System HW (CONT SYS HW)	02-Oct-06	28-Sep-07	49.40	$3,586	0.90	$0	$3,586	$0	4.00
12162010	Define & Package System Layout (CONT SYS HW)	05-Dec-06	12-Jan-07	4.50	$3,741	1.74	$0	$3,741	$0	64.40
12162015	Design Top-Level System Layout (CONT SYS HW)	12-Jan-07	14-Feb-07	4.50	$5,105	2.61	$0	$5,105	$0	64.40
12162016	Preliminary Design & Safety Review Control System Hardware (CONT SYS HW)	05-Mar-07	05-Mar-07	0.20	$403	0.17	$0	$403	$0	64.40
12162020M	Complete Preliminary Design & Safety Review Control System HW (CONT SYS HW)		05-Mar-07	0.00	$0	0.00	$0	$0	$0	64.40
12162025M	Ready to Baseline Control System Hardware (CONT SYS HW)		05-Mar-07	0.00	$0	0.00	$0	$0	$0	64.40
12162026	FY08 Comp CSH Sys Dsgn	01-Oct-07	02-Nov-07	5.00	$0	0.00	$0	$0	$0	35.20
12162027	Pre-Constrctn Final Dsgn Review for CSH	05-Nov-07	09-Nov-07	1.00	$0	0.00	$0	$0	$0	35.20
12162035	Compile CSH Prcrmnt Packages	01-Oct-08	25-Nov-08	8.00	$10,277	4.00	$0	$11,374	$1,097	41.60
12162040M	PED for Control Sys Hardware Comp+		25-Nov-08	0.00	$0	0.00	$0	$0	$0	41.60
12162045	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$5,406	$5,406	$0	4.00
12162908LOE	FY08 Mngmnt Effort for Control Sys HW 2	01-Oct-07	30-Sep-08	49.60	$7,973	2.00	$0	$7,973	$0	4.00
1362909LOEX	FY09 CSH Sys Mngmnt Effort	01-Oct-08	24-Dec-08	11.80	$98	0.02	$0	$98	$0	4.00
1.2.1.6.3 CONTROL SYSTEM SOFTWARE		02-Oct-06	30-Aug-13	342.80	$69,991	27.80	($36,894)	$36,504	$3,407	4.00
12163007LOE	FY07Management Effort for Control System Software (CONT SYS SW)	02-Oct-06	28-Sep-07	49.40	$3,467	0.87	$0	$3,467	$0	4.00
12163010	Identify and document hall dependecies (CONT SYS SW)	02-Oct-06	28-Nov-06	8.00	$3,023	1.31	$0	$3,023	$0	68.60
12163015	Identify and document HLA modifications (CONT SYS SW)	02-Oct-06	28-Nov-06	8.00	$3,023	1.31	$0	$3,023	$0	36.60
12163020	Preliminary Design & Safety Review Control System Software (CONT SYS SW)	01-Feb-07	01-Feb-07	0.20	$403	0.17	$0	$403	$0	68.60
12163020M	Complete Preliminary Design & Safety Review Control System SW (CONT SYS SW)		01-Feb-07	0.00	$0	0.00	$0	$0	$0	68.60
12163025M	Ready to Baseline Control System Software (CONT SYS SW)		01-Feb-07	0.00	$0	0.00	$0	$0	$0	36.60
12163035	FY08 Finalize Application Rquirmnts	01-Oct-07	28-Apr-08	28.00	$16,204	7.00	$0	$16,204	$0	3.20
12163040	Comp Detailed Application Dsgn (CONT SYS SW)	18-Jan-08	23-Jul-08	26.00	$16,204	7.00	$0	$16,204	$0	3.20
12163045	Comp Implementn Plan (CONT SYS SW)	03-Apr-09	08-Sep-09	22.00	$19,107	8.00	$0	$22,515	$3,407	3.20
12163050M	Control Sys Software PED Comp+		08-Sep-09	0.00	$0	0.00	$0	$0	$0	3.20
12163170	Pre-Constrctn Dsgn Review	18-Jun-08	24-Jun-08	1.00	$0	0.00	$0	$0	$0	5.20
12163175	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($36,894)	($36,894)	$0	4.00
12163908LOE	FY08 Mngmnt Effort for Control Sys Software 2	01-Oct-07	30-Sep-08	49.60	$7,973	2.00	$0	$7,973	$0	4.00
1363909LOEX	FY09 CSS Sys Mngmnt Effort	01-Oct-08	24-Dec-08	11.80	$587	0.14	$0	$587	$0	4.00
1.2.1.6.4 SAFETY SYSTEMS		02-Oct-06	30-Aug-13	342.80	$464,023	208.01	$117,686	$612,977	$31,268	4.00
1.2.1.6.4.1 MACHINE PROTECTION		02-Oct-06	30-Aug-13	342.80	$107,726	48.45	$52,586	$167,940	$7,628	4.00
121641007L	FY07 Management effort for Machine Protection Systems (MACHINE PROTECT)	02-Oct-06	28-Sep-07	49.40	$3,467	0.87	$0	$3,467	$0	4.00
121641010	Define MPS System Requirements (MACHINE PROTECT)	01-Nov-06	29-Jun-07	32.40	$1,796	0.70	$0	$1,796	$0	146.80
121641010A	Define MPS System Requirements (MACHINE PROTECT)	01-Oct-07	08-Nov-07	5.70	$433	0.17	$0	$433	$0	146.80
121641015	Design System Detail Architecture (MACHINE PROTECT)	12-Feb-07	29-Jun-07	19.60	$1,436	0.57	$0	$1,436	$0	160.10
121641015A	Design System Detail Architecture (MACHINE PROTECT)	01-Oct-07	03-Oct-07	0.60	$758	0.30	$0	$758	$0	160.10
121641020	Design FSD Master (MACHINE PROTECT)	19-Mar-07	29-Jun-07	14.80	$3,115	1.70	$0	$3,451	$335	142.30
121641020A	Design FSD Master (MACHINE PROTECT)	01-Oct-07	22-Jan-08	14.40	$1,658	0.91	$0	$1,845	$186	142.30
121641025	Design and Test Eng Dev Ion Chamber (MACHINE PROTECT)	18-Dec-06	29-Jun-07	26.20	$3,291	1.56	$0	$3,704	$413	145.30
121641025A	Design and Test Eng Dev Ion Chamber (MACHINE PROTECT)	01-Oct-07	19-Dec-07	11.20	$12,776	6.26	$0	$14,480	$1,704	145.30
121641030	Complete Internal Preliminary Design & Safety Review (MACHINE PROTECT)	24-Oct-07	30-Oct-07	1.00	$1,071	0.43	$0	$1,071	$0	142.30
121641035	Complete External Preliminary Design & Safety Review (MACHINE PROTECT)	13-Nov-07	19-Nov-07	1.00	$1,071	0.43	$0	$2,670	$1,599	142.30
121641040M	MPS 35% Design Complete (MACHINE PROTECT)		17-Dec-07	0.00	$0	0.00	$0	$0	$0	142.30
121641045M	Start P-#2 of MPS PED - FY08	18-Dec-07		0.00	$0	0.00	$0	$0	$0	142.30
121641050	Detail Dsgn FSD Sys (MACHINE PROTECT)	18-Dec-07	29-Feb-08	9.00	$4,892	2.00	$0	$4,892	$0	142.30



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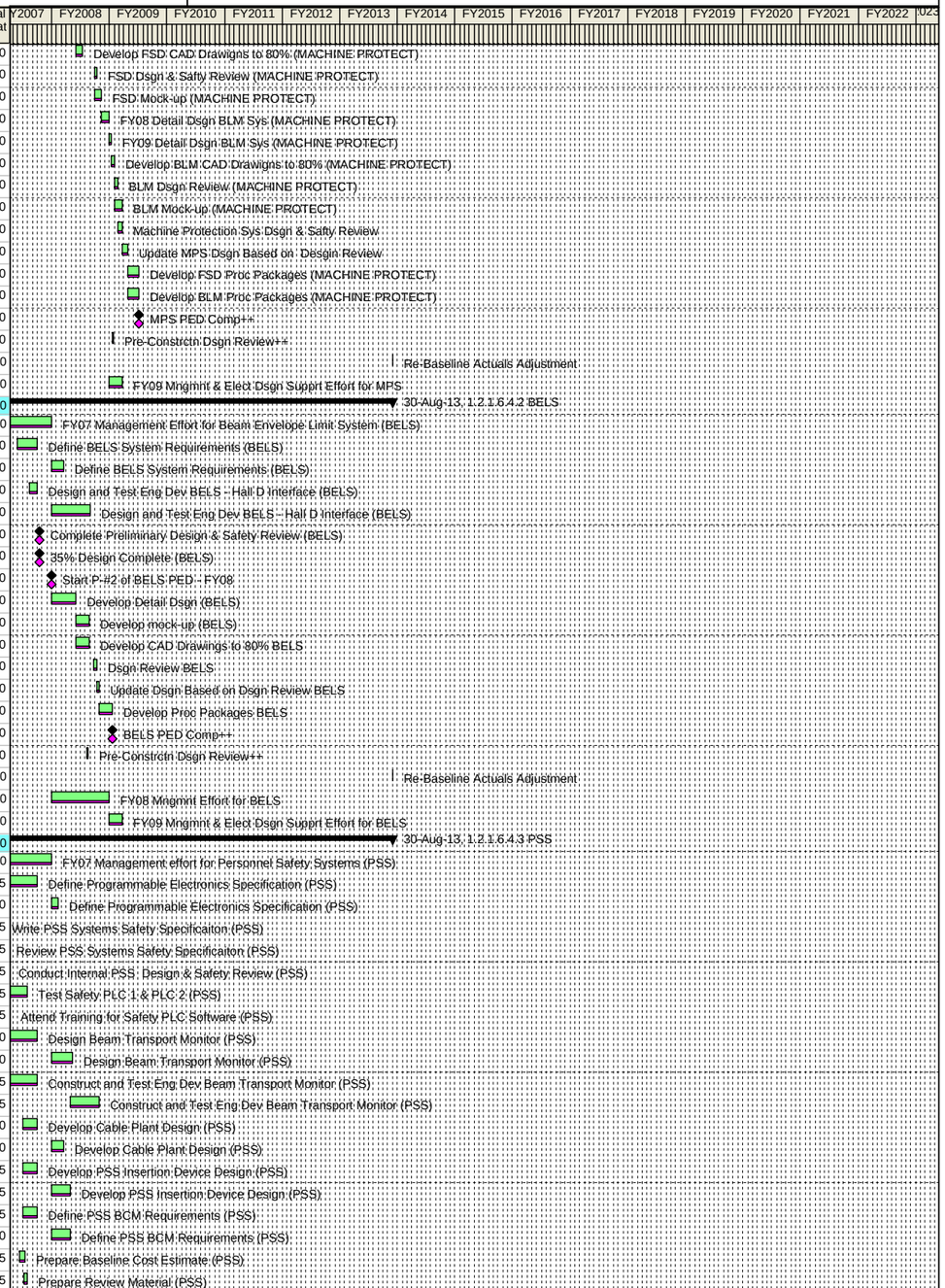
Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
121641055	Develop FSD CAD Drawigns to 80% (MACHINE PROTECT)	03-Mar-08	11-Apr-08	6.00	$7,611	4.00	$0	$7,611	$0	142.30
121641060	FSD Dsgn & Safty Review (MACHINE PROTECT)	30-Jun-08	14-Jul-08	2.00	$2,490	1.00	$0	$3,021	$531	161.30
121641065	FSD Mock-up (MACHINE PROTECT)	30-Jun-08	11-Aug-08	6.00	$6,849	3.50	$4,262	$11,111	$0	142.30
121641070	FY08 Detail Dsgn BLM Sys (MACHINE PROTECT)	12-Aug-08	30-Sep-08	7.00	$12,668	5.44	$0	$12,668	$0	142.30
121641070a	FY09 Detail Dsgn BLM Sys (MACHINE PROTECT)	01-Oct-08	14-Oct-08	2.00	$3,736	1.56	$0	$3,736	$0	142.30
121641075	Develop BLM CAD Drawigns to 80% (MACHINE PROTECT)	15-Oct-08	04-Nov-08	3.00	$10,307	5.00	$0	$10,307	$0	142.30
121641080	BLM Dsgn Review (MACHINE PROTECT)	05-Nov-08	25-Nov-08	3.00	$2,569	1.00	$0	$3,118	$548	142.30
121641085	BLM Mock-up (MACHINE PROTECT)	05-Nov-08	18-Dec-08	6.00	$4,498	2.50	$4,611	$9,109	$0	155.80
121641090	Machine Protection Sys Dsgn & Safty Review	26-Nov-08	18-Dec-08	3.00	$5,138	2.00	$0	$7,449	$2,311	142.30
121641095	Update MPS Dsgn Based on Desgin Review	19-Dec-08	29-Jan-09	4.50	$2,204	1.00	$0	$2,204	$0	142.30
121641100	Develop FSD Proc Packages (MACHINE PROTECT)	29-Jan-09	03-Apr-09	9.00	$5,461	2.50	$0	$5,461	$0	142.30
121641105	Develop BLM Proc Packages (MACHINE PROTECT)	29-Jan-09	03-Apr-09	9.00	$8,290	3.00	$0	$8,290	$0	142.30
121641110M	MPS PED Comp++		03-Apr-09	0.00	$0	0.00	$0	$0	$0	142.30
121641170	Pre-Constrctn Dsgn Review++	17-Oct-08	28-Oct-08	1.50	$0	0.00	$0	$0	$0	162.80
121641175	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$43,714	$43,714	$0	4.00
13641909LC	FY09 Mngmnt & Elect Dsgn Supprt Effort for MPS	01-Oct-08	24-Dec-08	11.80	$141	0.05	$0	$141	$0	4.00
1.2.1.6.4.2 BELS		02-Oct-06	30-Aug-13	342.80	$25,480	10.40	($212)	$28,424	$3,156	4.00
121642007L	FY07 Management Effort for Beam Envelope Limit System (BELS)	02-Oct-06	28-Sep-07	49.40	$3,467	0.87	$0	$3,467	$0	4.00
121642010	Define BELS System Requirements (BELS)	26-Feb-07	29-Jun-07	17.80	$1,760	0.70	$0	$1,760	$0	75.60
121642010A	Define BELS System Requirements (BELS)	01-Oct-07	17-Dec-07	10.80	$433	0.17	$0	$433	$0	88.40
121642015	Design and Test Eng Dev BELS - Hall D Interface (BELS)	14-May-07	29-Jun-07	6.80	$2,447	1.31	$0	$3,477	$1,030	20.20
121642015A	Design and Test Eng Dev BELS - Hall D Interface (BELS)	01-Oct-07	02-Jun-08	32.80	$2,438	1.31	$0	$3,501	$1,063	66.40
121642020M	Complete Preliminary Design & Safety Review (BELS)		18-Jul-07	0.00	$0	0.00	$0	$0	$0	20.20
121642025M	35% Design Complete (BELS)		18-Jul-07	0.00	$0	0.00	$0	$0	$0	20.20
121642030M	Start P-#2 of BELS PED - FY08	01-Oct-07		0.00	$0	0.00	$0	$0	$0	10.00
121642035	Develop Detail Dsgn (BELS)	01-Oct-07	03-Mar-08	20.00	$4,979	2.00	$0	$4,979	$0	10.00
121642040	Develop mock-up (BELS)	04-Mar-08	27-May-08	12.00	$2,802	1.50	$0	$3,333	$531	30.20
121642045	Develop CAD Drawings to 80% BELS	04-Mar-08	27-May-08	12.00	$3,027	1.50	$0	$3,027	$0	10.00
121642050	Dsgn Review BELS	26-Jun-08	10-Jul-08	2.00	$0	0.00	$2,239	$2,771	$531	10.00
121642055	Update Dsgn Based on Dsgn Review BELS	11-Jul-08	24-Jul-08	2.00	$0	0.00	$0	$0	$0	10.00
121642060	Develop Proc Packages BELS	25-Jul-08	17-Oct-08	12.00	$0	0.00	$0	$0	$0	10.00
121642070M	BELS PED Comp++		17-Oct-08	0.00	$0	0.00	$0	$0	$0	10.00
121642170	Pre-Constrctn Dsgn Review++	14-May-08	20-May-08	1.00	$0	0.00	$0	$0	$0	10.00
121642175	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($2,451)	($2,451)	$0	4.00
121642908L	FY08 Mngmnt Effort for BELS	01-Oct-07	30-Sep-08	49.60	$3,986	1.00	$0	$3,986	$0	4.00
13642909LC	FY09 Mngmnt & Elect Dsgn Supprt Effort for BELS	01-Oct-08	24-Dec-08	11.80	$141	0.05	$0	$141	$0	4.00
1.2.1.6.4.3 PSS		02-Oct-06	30-Aug-13	342.80	$330,817	149.16	$65,311	$416,613	$20,484	4.00
121643007L	FY07 Management effort for Personnel Safety Systems (PSS)	02-Oct-06	28-Sep-07	49.40	$2,194	0.87	$0	$2,194	$0	4.00
121643010	Define Programmable Electronics Specification (PSS)	02-Oct-06	29-Jun-07	36.80	$6,079	2.35	$0	$6,079	$0	64.95
121643010A	Define Programmable Electronics Specification (PSS)	01-Oct-07	12-Nov-07	6.10	$651	0.26	$0	$651	$0	93.10
121643015	Write PSS Systems Safety Specificaiton (PSS)	01-Nov-06	14-Nov-06	2.00	$6,898	2.61	$0	$6,898	$0	31.35
121643020	Review PSS Systems Safety Specificaiton (PSS)	01-Dec-06	07-Dec-06	1.00	$4,598	1.74	$0	$4,598	$0	75.55
121643025	Conduct Internal PSS Design & Safety Review (PSS)	15-Dec-06	21-Dec-06	1.00	$2,299	0.87	$0	$2,299	$0	75.55
121643035	Test Safety PLC 1 & PLC 2 (PSS)	02-Oct-06	27-Apr-07	28.00	$17,278	8.70	$0	$17,278	$0	68.15
121643040	Attend Training for Safety PLC Software (PSS)	02-Oct-06	10-Jan-07	13.00	$4,598	1.74	$0	$8,726	$4,128	72.75
121643045	Design Beam Transport Monitor (PSS)	01-Nov-06	29-Jun-07	32.40	$5,020	2.17	$0	$5,020	$0	82.20
121643045A	Design Beam Transport Monitor (PSS)	01-Oct-07	08-Feb-08	17.00	$4,894	2.17	$0	$4,894	$0	82.20
121643050	Construct and Test Eng Dev Beam Transport Monitor (PSS)	11-Dec-06	29-Jun-07	27.20	$1,276	0.61	$0	$1,483	$206	46.35
121643050A	Construct and Test Eng Dev Beam Transport Monitor (PSS)	28-Jan-08	25-Jul-08	25.30	$11,108	5.49	$0	$13,025	$1,917	31.35
121643055	Develop Cable Plant Design (PSS)	02-Apr-07	29-Jun-07	12.80	$1,148	0.52	$0	$1,148	$0	46.30
121643055A	Develop Cable Plant Design (PSS)	01-Oct-07	13-Dec-07	10.35	$10,314	4.70	$0	$10,314	$0	46.30
121643060	Develop PSS Insertion Device Design (PSS)	02-Apr-07	29-Jun-07	12.80	$2,983	1.30	$0	$2,983	$0	31.35
121643060A	Develop PSS Insertion Device Design (PSS)	01-Oct-07	25-Jan-08	15.00	$8,840	3.91	$0	$8,840	$0	31.35
121643065	Define PSS BCM Requirements (PSS)	02-Apr-07	29-Jun-07	12.80	$1,297	0.52	$0	$1,297	$0	56.95
121643065A	Define PSS BCM Requirements (PSS)	01-Oct-07	25-Jan-08	15.00	$5,198	2.09	$0	$5,198	$0	84.20
121643070	Prepare Baseline Cost Estimate (PSS)	09-Mar-07	12-Apr-07	5.00	$5,576	2.17	$0	$5,576	$0	64.95
121643075	Prepare Review Material (PSS)	09-Apr-07	27-Apr-07	3.00	$4,905	2.61	$0	$4,905	$0	64.15



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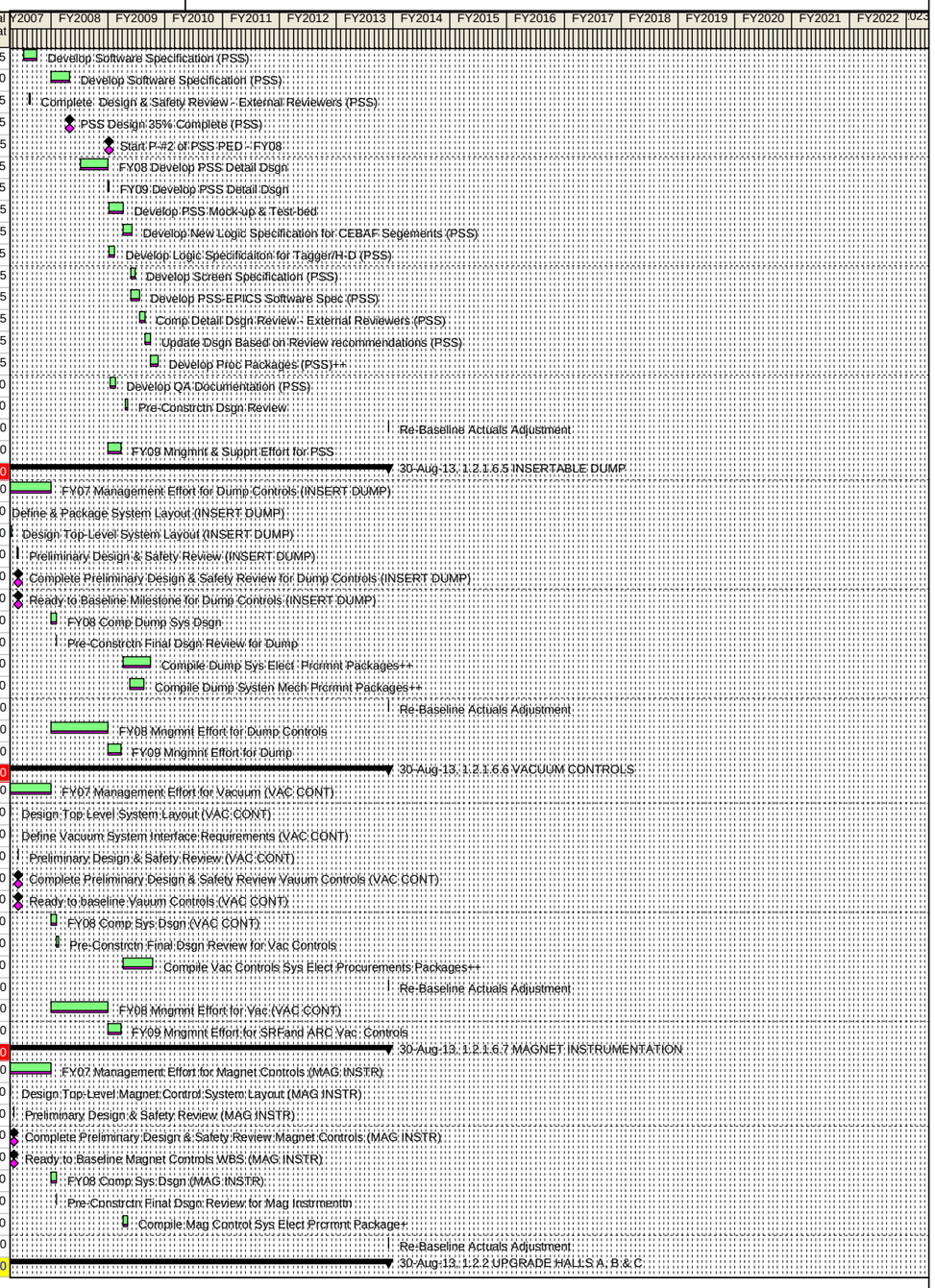
Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
121643080	Develop Software Specification (PSS)	09-Apr-07	29-Jun-07	11.80	$1,081	0.43	$0	$1,081	$0	64.15
121643080A	Develop Software Specification (PSS)	01-Oct-07	25-Jan-08	15.00	$3,249	1.31	$0	$3,249	$0	84.20
121643085	Complete Design & Safety Review - External Reviewers (PSS)	14-May-07	18-May-07	1.00	$4,905	2.61	$0	$9,033	$4,128	56.95
121643090M	PSS Design 35% Complete (PSS)		25-Jan-08	0.00	$0	0.00	$0	$0	$0	31.35
121643095M	Start P-#2 of PSS PED - FY08	07-Oct-08		0.00	$0	0.00	$0	$0	$0	6.25
121643100	FY08 Develop PSS Detail Dsgn	09-Apr-08	30-Sep-08	24.30	$91,656	42.26	$0	$91,656	$0	31.55
121643100a	FY09 Develop PSS Detail Dsgn	01-Oct-08	07-Oct-08	1.00	$3,892	1.74	$0	$3,892	$0	31.55
121643105	Develop PSS Mock-up & Test-bed	07-Oct-08	07-Jan-09	11.70	$19,929	10.00	$34,064	$60,796	$6,804	6.25
121643110	Develop New Logic Specification for CEBAF Segements (PSS)	07-Jan-09	26-Feb-09	6.90	$7,708	3.00	$0	$7,708	$0	6.25
121643115	Develop Logic Specificaiton for Tagger/H-D (PSS)	07-Oct-08	07-Nov-08	4.80	$5,138	2.00	$0	$5,138	$0	19.85
121643120	Develop Screen Specification (PSS)	26-Feb-09	24-Mar-09	3.70	$5,138	2.00	$0	$5,138	$0	9.65
121643125	Develop PSS-EPICS Software Spec (PSS)	26-Feb-09	16-Apr-09	7.10	$7,527	3.00	$5,494	$13,021	$0	6.25
121643130	Comp Detail Dsgn Review - External Reviewers (PSS)	16-Apr-09	27-May-09	5.55	$21,818	11.00	$0	$25,119	$3,301	6.25
121643135	Update Dsgn Based on Review recommendations (PSS)	27-May-09	29-Jun-09	4.60	$10,424	5.00	$0	$10,424	$0	6.25
121643140	Develop Proc Packages (PSS)++	29-Jun-09	17-Aug-09	6.90	$19,420	9.00	$0	$19,420	$0	6.25
121643145	Develop QA Documentation (PSS)	16-Oct-08	17-Nov-08	4.60	$20,988	8.00	$0	$20,988	$0	35.90
121643170	Pre-Constrctn Dsgn Review	22-Jan-09	29-Jan-09	1.15	$0	0.00	$0	$0	$0	27.10
121643175	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$25,753	$25,753	$0	4.00
13643909LC	FY09 Mngmnt & Supprt Effort for PSS	01-Oct-08	24-Dec-08	11.80	$789	0.40	$0	$789	$0	4.00
1.2.1.6.5 INSERTABLE DUMP		02-Oct-06	30-Aug-13	342.80	$112,180	46.67	($96,469)	$16,808	$1,097	4.00
12165007LOE	FY07 Management Effort for Dump Controls (INSERT DUMP)	02-Oct-06	28-Sep-07	49.40	$2,632	0.87	$0	$2,632	$0	4.00
12165010	Define & Package System Layout (INSERT DUMP)	02-Oct-06	10-Nov-06	6.00	$6,800	2.61	$0	$6,800	$0	65.30
12165015	Design Top-Level System Layout (INSERT DUMP)	29-Nov-06	18-Jan-07	6.00	$16,751	7.83	$0	$16,751	$0	65.30
12165016	Preliminary Design & Safety Review (INSERT DUMP)	01-Mar-07	01-Mar-07	0.20	$843	0.34	$0	$843	$0	65.30
12165016M	Complete Preliminary Design & Safety Review for Dump Controls (INSERT DUMP)		01-Mar-07	0.00	$0	0.00	$0	$0	$0	65.30
12165020M	Ready to Baseline Milestone for Dump Controls (INSERT DUMP)		01-Mar-07	0.00	$0	0.00	$0	$0	$0	65.30
12165026	FY08 Comp Dump Sys Dsgn	01-Oct-07	02-Nov-07	5.00	$0	0.00	$0	$0	$0	35.70
12165027	Pre-Constrctn Final Dsgn Review for Dump	05-Nov-07	07-Nov-07	0.50	$0	0.00	$0	$0	$0	35.70
12165030	Compile Dump Sys Elect Prcrmnt Packages++	05-Jan-09	01-Jul-09	25.00	$44,003	19.00	$0	$44,003	$0	12.60
12165035	Compile Dump Systen Mech Prcrmnt Packages++	18-Feb-09	19-May-09	13.00	$33,082	14.00	$0	$34,178	$1,097	18.60
12165040	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($96,469)	($96,469)	$0	4.00
12165908LOE	FY08 Mngmnt Effort for Dump Controls	01-Oct-07	30-Sep-08	49.60	$7,973	2.00	$0	$7,973	$0	4.00
1365909LOEX	FY09 Mngmnt Effort for Dump	01-Oct-08	24-Dec-08	11.80	$98	0.02	$0	$98	$0	4.00
1.2.1.6.6 VACUUM CONTROLS		02-Oct-06	30-Aug-13	342.80	$36,739	14.55	$14,219	$54,366	$3,407	4.00
12166007LOE	FY07 Management Effort for Vacuum (VAC CONT)	02-Oct-06	28-Sep-07	49.40	$3,467	0.87	$0	$3,467	$0	4.00
12166010	Design Top Level System Layout (VAC CONT)	05-Dec-06	12-Jan-07	4.50	$6,477	2.61	$0	$6,477	$0	70.30
12166015	Define Vacuum System Interface Requirements (VAC CONT)	05-Dec-06	12-Jan-07	4.50	$2,016	0.87	$0	$2,016	$0	63.50
12166020	Preliminary Design & Safety Review (VAC CONT)	02-Mar-07	05-Mar-07	0.20	$460	0.17	$0	$460	$0	63.50
12166020M	Complete Preliminary Design & Safety Review Vauum Controls (VAC CONT)		05-Mar-07	0.00	$0	0.00	$0	$0	$0	63.50
12166025M	Ready to baseline Vauum Controls (VAC CONT)		05-Mar-07	0.00	$0	0.00	$0	$0	$0	63.50
12166026	FY08 Comp Sys Dsgn (VAC CONT)	01-Oct-07	02-Nov-07	5.00	$0	0.00	$0	$0	$0	34.20
12166027	Pre-Constrctn Final Dsgn Review for Vac Controls	05-Nov-07	16-Nov-07	2.00	$0	0.00	$0	$0	$0	34.20
12166035	Compile Vac Controls Sys Elect Procurements Packages++	05-Jan-09	09-Jul-09	26.00	$20,236	9.00	$6,389	$30,032	$3,407	11.60
12166040	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$7,830	$7,830	$0	4.00
12166908LOE	FY08 Mngmnt Effort for Vac (VAC CONT)	01-Oct-07	30-Sep-08	49.60	$3,986	1.00	$0	$3,986	$0	4.00
1366909LOEX	FY09 Mngmnt Effort for SRFand ARC Vac Controls	01-Oct-08	24-Dec-08	11.80	$98	0.02	$0	$98	$0	4.00
1.2.1.6.7 MAGNET INSTRUMENTATION		02-Oct-06	30-Aug-13	342.80	$11,967	4.78	$845	$12,812	$0	4.00
12167007LOE	FY07 Management Effort for Magnet Controls (MAG INSTR)	02-Oct-06	28-Sep-07	49.40	$3,467	0.87	$0	$3,467	$0	4.00
12167010	Design Top-Level Magnet Control System Layout (MAG INSTR)	05-Dec-06	12-Jan-07	4.50	$3,865	1.74	$0	$3,865	$0	68.80
12167015	Preliminary Design & Safety Review (MAG INSTR)	02-Feb-07	05-Feb-07	0.20	$460	0.17	$0	$460	$0	68.80
12167015M	Complete Preliminary Design & Safety Review Magnet Controls (MAG INSTR)		05-Feb-07	0.00	$0	0.00	$0	$0	$0	68.80
12167020M	Ready to Baseline Magnet Controls WBS (MAG INSTR)		05-Feb-07	0.00	$0	0.00	$0	$0	$0	68.80
12167026	FY08 Comp Sys Dsgn (MAG INSTR)	01-Oct-07	02-Nov-07	5.00	$0	0.00	$0	$0	$0	35.70
12167027	Pre-Constrctn Final Dsgn Review for Mag Instrmenttn	05-Nov-07	07-Nov-07	0.50	$0	0.00	$0	$0	$0	35.70
12167028	Compile Mag Control Sys Elect Prcrmnt Package+	05-Jan-09	04-Feb-09	4.30	$4,176	2.00	$0	$4,176	$0	33.30
12167030	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$845	$845	$0	4.00
1.2.2 UPGRADE HALLS A, B & C		02-Oct-06	30-Aug-13	342.80	$2,999,458	1648.50	$1,407,140	$4,530,433	$123,835	4.00



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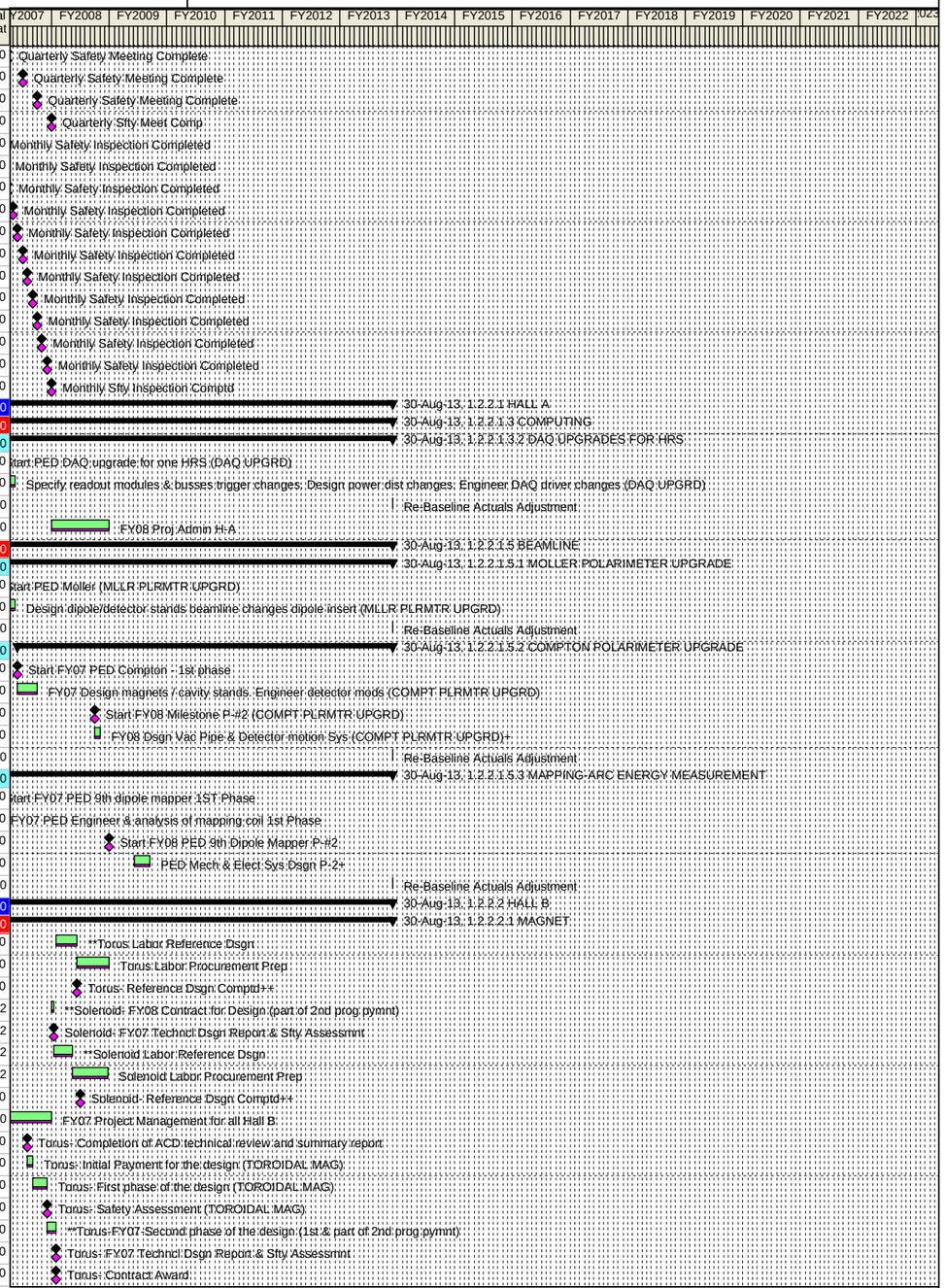
Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
122005M	Quarterly Safety Meeting Complete		22-Dec-06	0.00	$0	0.00	$0	$0	$0	95.00
122010M	Quarterly Safety Meeting Complete		30-Mar-07	0.00	$0	0.00	$0	$0	$0	95.00
122015M	Quarterly Safety Meeting Complete		29-Jun-07	0.00	$0	0.00	$0	$0	$0	95.00
122020M	Quarterly Sfty Meet Comp		28-Sep-07	0.00	$0	0.00	$0	$0	$0	95.00
122030M	Monthly Safety Inspection Completed		31-Oct-06	0.00	$0	0.00	$0	$0	$0	95.00
122031M	Monthly Safety Inspection Completed		30-Nov-06	0.00	$0	0.00	$0	$0	$0	95.00
122032M	Monthly Safety Inspection Completed		22-Dec-06	0.00	$0	0.00	$0	$0	$0	95.00
122033M	Monthly Safety Inspection Completed		31-Jan-07	0.00	$0	0.00	$0	$0	$0	95.00
122034M	Monthly Safety Inspection Completed		28-Feb-07	0.00	$0	0.00	$0	$0	$0	95.00
122035M	Monthly Safety Inspection Completed		30-Mar-07	0.00	$0	0.00	$0	$0	$0	95.00
122036M	Monthly Safety Inspection Completed		30-Apr-07	0.00	$0	0.00	$0	$0	$0	95.00
122037M	Monthly Safety Inspection Completed		31-May-07	0.00	$0	0.00	$0	$0	$0	95.00
122038M	Monthly Safety Inspection Completed		29-Jun-07	0.00	$0	0.00	$0	$0	$0	95.00
122039M	Monthly Safety Inspection Completed		31-Jul-07	0.00	$0	0.00	$0	$0	$0	95.00
122040M	Monthly Safety Inspection Completed		31-Aug-07	0.00	$0	0.00	$0	$0	$0	95.00
122041M	Monthly Sfty Inspection Comptd		28-Sep-07	0.00	$0	0.00	$0	$0	$0	95.00
1.2.2.1 HALL A		02-Oct-06	30-Aug-13	342.80	$131,972	77.80	$17,617	$155,789	$6,200	4.00
1.2.2.1.3 COMPUTING		02-Oct-06	30-Aug-13	342.80	$36,625	14.60	$25,604	$62,229	$0	4.00
1.2.2.1.3.2 DAQ UPGRADES FOR HRS		02-Oct-06	30-Aug-13	342.80	$36,625	14.60	$25,604	$62,229	$0	4.00
122132005M	Start PED DAQ upgrade for one HRS (DAQ UPGRD)	02-Oct-06		0.00	$0	0.00	$0	$0	$0	127.40
122132010	Specify readout modules & busses trigger changes. Design power dist changes. Engine...	02-Oct-06	08-Feb-07	17.00	$31,145	12.40	$15,480	$46,625	$0	127.40
122132015	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$10,124	$10,124	$0	4.00
122132908L	FY08 Proj Admin H-A	01-Oct-07	30-Sep-08	49.60	$5,480	2.20	$0	$5,480	$0	4.00
1.2.2.1.5 BEAMLINE		02-Oct-06	30-Aug-13	342.80	$95,347	63.20	($7,987)	$93,560	$6,200	4.00
1.2.2.1.5.1 MOLLER POLARIMETER UPGRADE		02-Oct-06	30-Aug-13	342.80	$25,462	15.00	($10,167)	$16,885	$1,590	4.00
122151005M	Start PED Moller (MLLR PLRMTR UPGRD)	02-Oct-06		0.00	$0	0.00	$0	$0	$0	127.40
122151010	Design dipole/detector stands beamline changes dipole insert (MLLR PLRMTR UPGRD)	02-Oct-06	08-Feb-07	17.00	$25,462	15.00	$0	$27,052	$1,590	127.40
122151015	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($10,167)	($10,167)	$0	4.00
1.2.2.1.5.2 COMPTON POLARIMETER UPGRADE		01-Mar-07	30-Aug-13	323.20	$48,113	38.00	$27,306	$75,419	$0	4.00
122152005M	Start FY07 PED Compton - 1st phase	01-Mar-07		0.00	$0	0.00	$0	$0	$0	107.80
122152010	FY07 Design magnets / cavity stands. Engineer detector mods (COMPT PLRMTR UPG...	01-Mar-07	28-Jun-07	17.00	$24,341	19.00	$0	$24,341	$0	107.80
122152015M	Start FY08 Milestone P-#2 (COMPT PLRMTR UPGRD)	02-Jul-08		0.00	$0	0.00	$0	$0	$0	58.00
122152020	FY08 Dsgn Vac Pipe & Detector motion Sys (COMPT PLRMTR UPGRD)+	02-Jul-08	31-Jul-08	4.20	$23,772	19.00	$0	$23,772	$0	58.00
122152025	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$27,306	$27,306	$0	4.00
1.2.2.1.5.3 MAPPING-ARC ENERGY MEASUREMENT		02-Oct-06	30-Aug-13	342.80	$21,772	10.20	($25,126)	$1,256	$4,610	4.00
122153000M	Start FY07 PED 9th dipole mapper 1ST Phase	02-Oct-06		0.00	$0	0.00	$0	$0	$0	108.60
122153005	FY07 PED Engineer & analysis of mapping coil 1st Phase	02-Oct-06	03-Nov-06	5.00	$20,018	9.20	$0	$24,628	$4,610	108.60
122153009M	Start FY08 PED 9th Dipole Mapper P-#2	01-Oct-08		0.00	$0	0.00	$0	$0	$0	14.60
122153010	PED Mech & Elect Sys Dsgn P-2+	11-Mar-09	17-Jun-09	14.00	$1,754	1.00	$0	$1,754	$0	14.60
122153015	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($25,126)	($25,126)	$0	4.00
1.2.2.2 HALL B		02-Oct-06	30-Aug-13	342.80	$2,044,229	1163.47	$708,207	$2,780,840	$28,404	4.00
1.2.2.2.1 MAGNET		02-Oct-06	30-Aug-13	342.80	$310,510	149.01	$413,920	$752,201	$27,771	4.00
12221040	**Torus Labor Reference Dsgn	31-Oct-07	12-Mar-08	17.00	$14,139	4.50	$0	$21,362	$7,223	19.80
12221045	Torus Labor Procurement Prep	13-Mar-08	29-Sep-08	28.00	$14,139	4.50	$0	$26,522	$12,383	166.20
12221045M	Torus- Reference Dsgn Comptd++		12-Mar-08	0.00	$0	0.00	$0	$0	$0	19.80
12221050	**Solenoid- FY08 Contract for Design (part of 2nd prog pymnt)	02-Oct-07	17-Oct-07	2.38	$2,241	1.00	$15,324	$17,565	$0	4.82
12221050M	Solenoid- FY07 Technel Dsgn Report & Sfty Assessmnt		17-Oct-07	0.00	$0	0.00	$0	$0	$0	4.82
12221055	**Solenoid Labor Reference Dsgn	17-Oct-07	13-Feb-08	15.00	$14,139	4.50	$0	$14,139	$0	4.82
12221060	Solenoid Labor Procurement Prep	13-Feb-08	23-Sep-08	31.00	$14,139	4.50	$0	$18,504	$4,365	4.82
12221060M	Solenoid- Reference Dsgn Comptd++		31-Mar-08	0.00	$0	0.00	$0	$0	$0	17.20
122211007LC	FY07 Project Management for all Hall B	02-Oct-06	28-Sep-07	49.40	$32,781	13.00	$0	$32,781	$0	4.00
122211015M	Torus- Completion of ACD technical review and summary report		26-Apr-07	0.00	$0	0.00	$0	$0	$0	25.40
122211017	Torus- Initial Payment for the design (TOROIDAL MAG)	27-Apr-07	01-Jun-07	5.00	$0	0.00	$0	$0	$0	25.40
122211020	Torus- First phase of the design (TOROIDAL MAG)	04-Jun-07	04-Sep-07	13.00	$20,266	10.30	$42,390	$62,656	$0	25.40
122211025M	Torus- Safety Assessment (TOROIDAL MAG)		04-Sep-07	0.00	$0	0.00	$0	$0	$0	25.40
122211035	**Torus-FY07-Second phase of the design (1st & part of 2nd prog pymnt)	05-Sep-07	30-Oct-07	8.00	$13,318	6.90	$35,410	$48,728	$0	25.40
122211035M	Torus- FY07 Technel Dsgn Report & Sfty Assessmnt		30-Oct-07	0.00	$0	0.00	$0	$0	$0	25.40
122211036M	Torus- Contract Award	01-Nov-07		0.00	$0	0.00	$0	$0	$0	19.80



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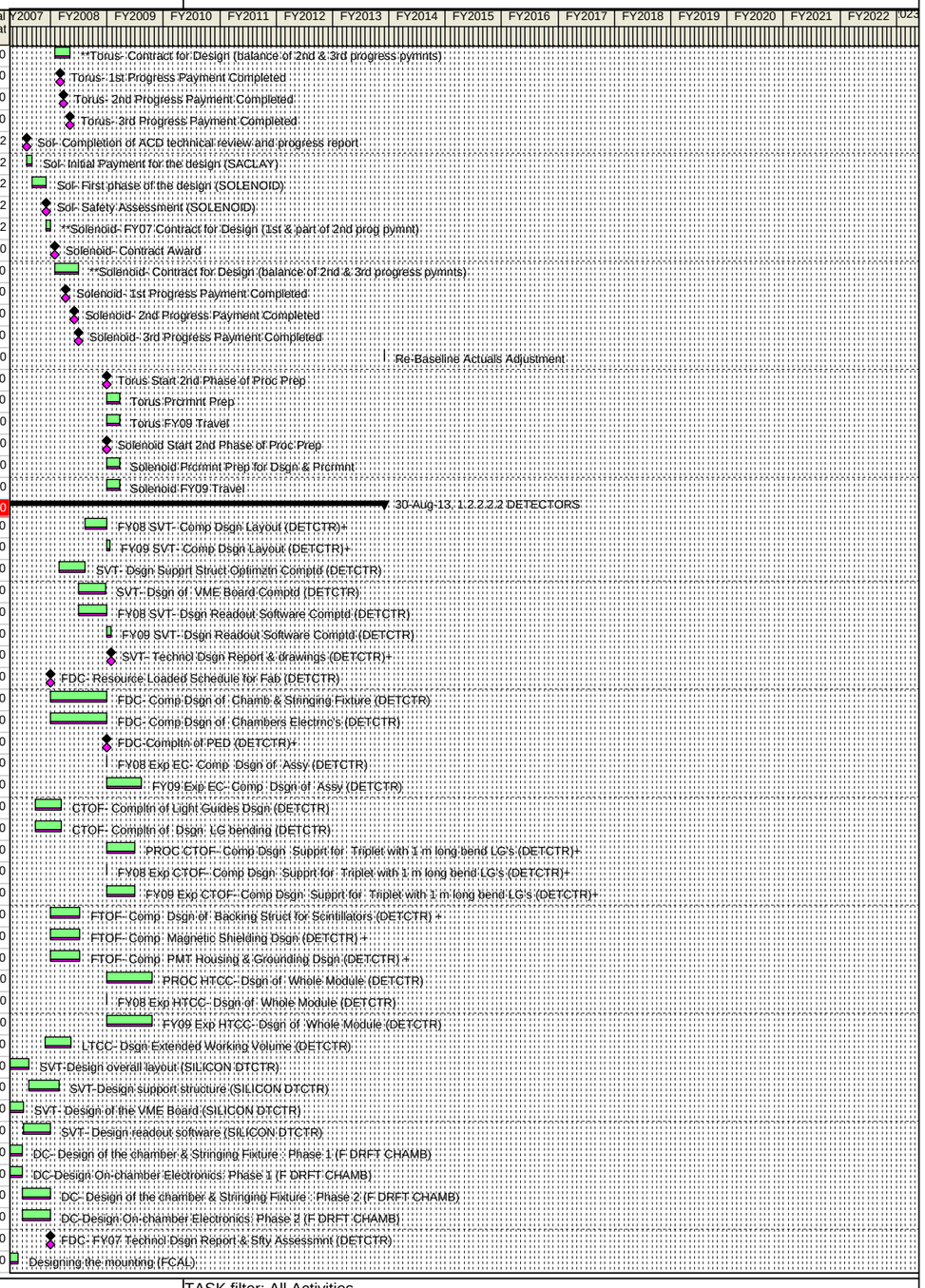
Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
122211037S	**Torus- Contract for Design (balance of 2nd & 3rd progress pymnts)	01-Nov-07	31-Jan-08	11.20	$0	0.00	$64,598	$64,598	$0	25.40
122211038M	Torus- 1st Progress Payment Completed		29-Nov-07	0.00	$0	0.00	$0	$0	$0	29.60
122211039M	Torus- 2nd Progress Payment Completed		21-Dec-07	0.00	$0	0.00	$0	$0	$0	29.60
122211040M	Torus- 3rd Progress Payment Completed		31-Jan-08	0.00	$0	0.00	$0	$0	$0	25.40
122212015M	Sol- Completion of ACD technical review and progress report		26-Apr-07	0.00	$0	0.00	$0	$0	$0	4.82
122212017	Sol- Initial Payment for the design (SACLAY)	27-Apr-07	01-Jun-07	5.00	$0	0.00	$78,790	$78,790	$0	4.82
122212020	Sol- First phase of the design (SOLENOID)	04-Jun-07	04-Sep-07	13.00	$3,567	1.81	$35,410	$38,977	$0	4.82
122212025M	Sol- Safety Assessment (SOLENOID)		04-Sep-07	0.00	$0	0.00	$0	$0	$0	4.82
122212035	**Solenoid- FY07 Contract for Design (1st & part of 2nd prog pymnt)	05-Sep-07	01-Oct-07	3.80	$1,875	1.00	$35,410	$37,285	$0	4.82
122212036M	Solenoid- Contract Award	01-Nov-07		0.00	$0	0.00	$0	$0	$0	5.00
122212037S	**Solenoid- Contract for Design (balance of 2nd & 3rd progress pymnts)	01-Nov-07	31-Mar-08	19.40	$0	0.00	$49,247	$49,247	$0	17.20
122212038M	Solenoid- 1st Progress Payment Completed		04-Jan-08	0.00	$0	0.00	$0	$0	$0	21.40
122212039M	Solenoid- 2nd Progress Payment Completed		29-Feb-08	0.00	$0	0.00	$0	$0	$0	21.40
122212040M	Solenoid- 3rd Progress Payment Completed		31-Mar-08	0.00	$0	0.00	$0	$0	$0	17.20
122212050	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$57,341	$57,341	$0	4.00
14211000MX	Torus Start 2nd Phase of Proc Prep	01-Oct-08		0.00	$0	0.00	$0	$0	$0	166.00
14211002X	Torus Prcrmnt Prep	01-Oct-08	24-Dec-08	11.80	$114,858	58.00	$0	$114,858	$0	166.00
14211009EX	Torus FY09 Travel	01-Oct-08	24-Dec-08	11.80	$0	0.00	$0	$1,900	$1,900	0.00
14212000MX	Solenoid Start 2nd Phase of Proc Prep	01-Oct-08		0.00	$0	0.00	$0	$0	$0	3.80
14212002X	Solenoid Prcrmnt Prep for Dsgn & Prcrmnt	01-Oct-08	24-Dec-08	11.80	$65,048	39.00	$0	$65,048	$0	3.80
14212009EX	Solenoid FY09 Travel	01-Oct-08	24-Dec-08	11.80	$0	0.00	$0	$1,900	$1,900	3.80
1.2.2.2.2 DETECTORS		02-Oct-06	30-Aug-13	342.80	$1,095,213	684.29	$512,566	$1,608,413	$633	4.00
12222000	FY08 SVT- Comp Dsgn Layout (DETCTR)+	13-May-08	30-Sep-08	19.60	$16,652	9.80	$0	$16,652	$0	47.20
12222000a	FY09 SVT- Comp Dsgn Layout (DETCTR)+	01-Oct-08	16-Oct-08	2.40	$2,104	1.20	$0	$2,104	$0	47.20
12222005	SVT- Dsgn Supprt Struct Optimztn Comptd (DETCTR)	28-Nov-07	12-May-08	22.00	$18,691	11.00	$2,776	$21,467	$0	45.60
12222010	SVT- Dsgn of VME Board Comptd (DETCTR)	31-Mar-08	24-Sep-08	25.00	$93,975	44.00	$0	$93,975	$0	50.40
12222015	FY08 SVT- Dsgn Readout Software Comptd (DETCTR)	31-Mar-08	30-Sep-08	25.80	$74,355	53.07	$0	$74,355	$0	45.60
12222015a	FY09 SVT- Dsgn Readout Software Comptd (DETCTR)	01-Oct-08	28-Oct-08	4.00	$11,896	8.23	$0	$11,896	$0	45.60
12222015M	SVT- Technol Dsgn Report & drawings (DETCTR)+		28-Oct-08	0.00	$0	0.00	$0	$0	$0	45.60
12222020M	FDC- Resource Loaded Schedule for Fab (DETCTR)	01-Oct-07		0.00	$0	0.00	$0	$0	$0	50.20
12222025	FDC- Comp Dsgn of Chamb & Stringing Fixture (DETCTR)	01-Oct-07	25-Sep-08	49.00	$69,608	87.00	$0	$69,608	$0	50.20
12222030	FDC- Comp Dsgn of Chambers Electrnc's (DETCTR)	01-Oct-07	25-Sep-08	49.00	$106,696	105.00	$0	$106,696	$0	50.20
12222035M	FDC-Compltn of PED (DETCTR)+		29-Sep-08	0.00	$0	0.00	$0	$0	$0	49.80
12222040	FY08 Exp EC- Comp Dsgn of Assy (DETCTR)	30-Sep-08	30-Sep-08	0.20	$176	0.09	$0	$176	$0	12.00
12222040a	FY09 Exp EC- Comp Dsgn of Assy (DETCTR)	01-Oct-08	11-May-09	29.80	$27,104	13.41	$0	$27,104	$0	12.00
12222045	CTOF- Compltn of Light Guides Dsgn (DETCTR)	22-Jun-07	12-Dec-07	24.00	$20,199	10.00	$0	$20,199	$0	89.00
12222050	CTOF- Compltn of Dsgn LG bending (DETCTR)	22-Jun-07	12-Dec-07	24.00	$11,429	5.00	$0	$11,429	$0	65.00
12222055	PROC CTOF- Comp Dsgn Supprt for Triplet with 1 m long bend LG's (DETCTR)+	30-Sep-08	30-Mar-09	24.00	$0	0.00	$2,765	$2,765	$0	25.80
12222055a	FY08 Exp CTOF- Comp Dsgn Supprt for Triplet with 1 m long bend LG's (DETCTR)+	30-Sep-08	30-Sep-08	0.20	$125	0.06	$0	$125	$0	25.80
12222055b	FY09 Exp CTOF- Comp Dsgn Supprt for Triplet with 1 m long bend LG's (DETCTR)+	01-Oct-08	30-Mar-09	23.80	$15,360	6.94	$0	$15,360	$0	25.80
12222060	FTOF- Comp Dsgn of Backing Struct for Scintillators (DETCTR) +	01-Oct-07	07-Apr-08	25.00	$11,611	5.00	$0	$11,611	$0	74.20
12222065	FTOF- Comp Magnetic Shielding Dsgn (DETCTR) +	01-Oct-07	07-Apr-08	25.00	$13,310	6.00	$0	$13,310	$0	74.20
12222070	FTOF- Comp PMT Housing & Grounding Dsgn (DETCTR) +	01-Oct-07	07-Apr-08	25.00	$20,521	10.00	$0	$20,521	$0	74.20
12222075	PROC HTCC- Dsgn of Whole Module (DETCTR)	30-Sep-08	22-Jul-09	40.00	$0	0.00	$2,765	$2,765	$0	9.80
12222075a	FY08 Exp HTCC- Dsgn of Whole Module (DETCTR)	30-Sep-08	30-Sep-08	0.20	$266	0.14	$0	$266	$0	9.80
12222075b	FY09 Exp HTCC- Dsgn of Whole Module (DETCTR)	01-Oct-08	22-Jul-09	39.80	$54,597	27.86	$0	$54,597	$0	9.80
12222080	LTCC- Dsgn Extended Working Volume (DETCTR)	24-Aug-07	08-Feb-08	22.00	$13,566	6.30	$0	$13,566	$0	82.20
1222211005	SVT-Design overall layout (SILICON DTCTR)	02-Oct-06	11-May-07	30.00	$20,609	10.74	$0	$20,609	$0	45.60
1222211010	SVT-Design support structure (SILICON DTCTR)	14-May-07	27-Nov-07	27.40	$23,601	12.27	$0	$23,601	$0	45.60
1222211015	SVT- Design of the VME Board (SILICON DTCTR)	02-Oct-06	06-Apr-07	25.00	$36,093	18.28	$0	$36,093	$0	53.60
1222211020	SVT- Design readout software (SILICON DTCTR)	09-Apr-07	28-Sep-07	24.40	$11,265	4.60	$0	$11,265	$0	53.60
1222213005	DC- Design of the chamber & Stringing Fixture : Phase 1 (F DRFT CHAMB)	02-Oct-06	30-Mar-07	24.00	$26,329	19.94	$0	$26,329	$0	50.20
1222213010	DC-Design On-chamber Electronics: Phase 1 (F DRFT CHAMB)	02-Oct-06	30-Mar-07	24.00	$33,913	19.95	$0	$33,913	$0	50.20
1222213015	DC- Design of the chamber & Stringing Fixture : Phase 2 (F DRFT CHAMB)	02-Apr-07	28-Sep-07	25.40	$25,620	14.57	$0	$25,620	$0	50.20
1222213020	DC-Design On-chamber Electronics: Phase 2 (F DRFT CHAMB)	02-Apr-07	28-Sep-07	25.40	$27,123	20.71	$0	$27,123	$0	50.20
1222213025M	FDC- FY07 Technol Dsgn Report & Sfty Assessmnt (DETCTR)		28-Sep-07	0.00	$0	0.00	$0	$0	$0	50.20
1222223005	Designing the mounting (FCAL)	02-Oct-06	02-Mar-07	20.00	$11,472	5.51	$0	$11,472	$0	83.80



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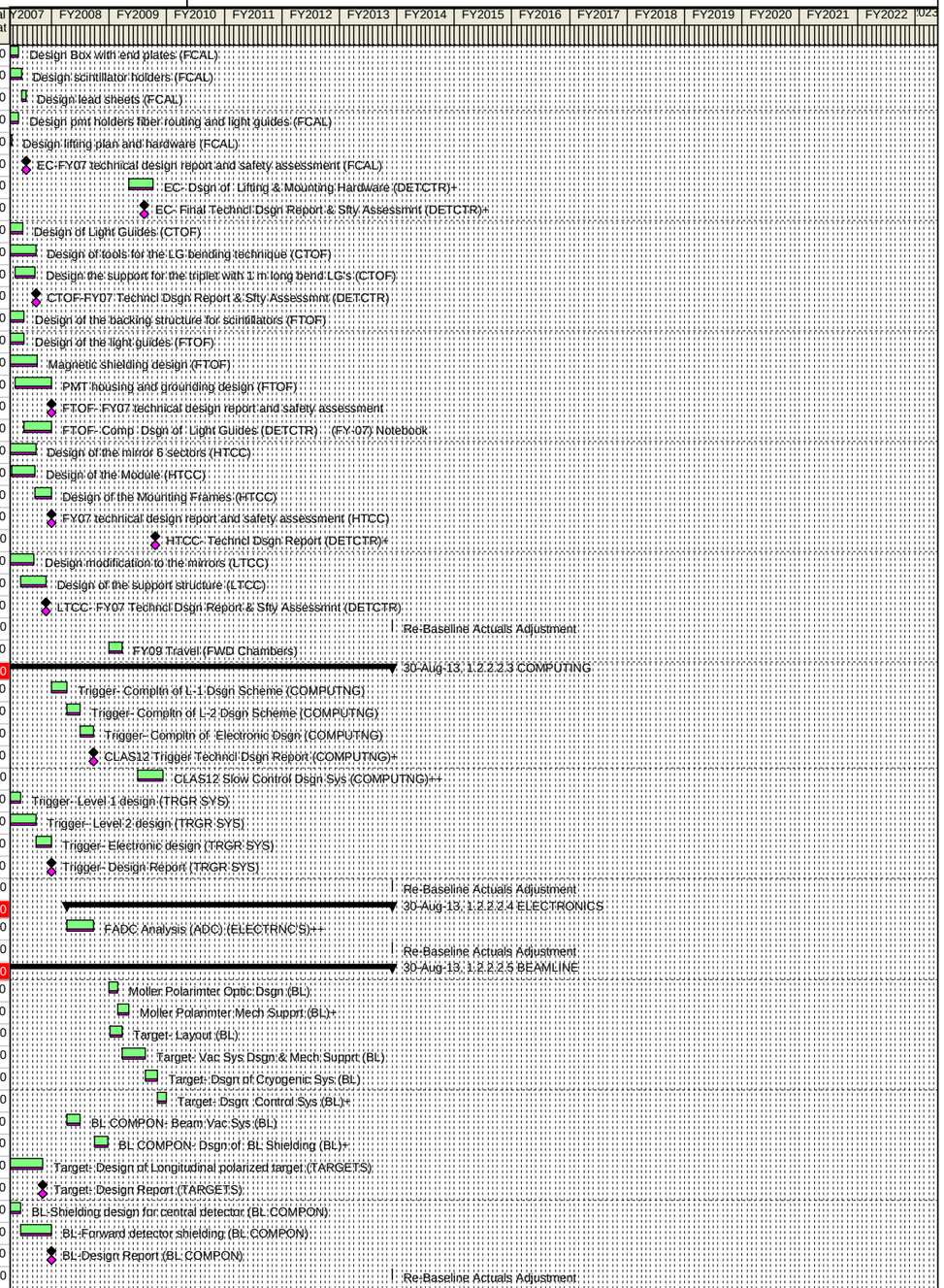
Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
1222223010	Design Box with end plates (FCAL)	02-Oct-06	02-Mar-07	20.00	$12,286	6.27	$0	$12,286	$0	83.80
1222223015	Design scintillator holders (FCAL)	22-Dec-06	27-Mar-07	12.00	$9,566	4.74	$0	$9,566	$0	83.80
1222223020	Design lead sheets (FCAL)	26-Mar-07	20-Apr-07	4.00	$3,692	1.62	$0	$3,692	$0	83.80
1222223025	Design pmt holders fiber routing and light guides (FCAL)	02-Oct-06	02-Mar-07	20.00	$8,162	4.60	$0	$8,162	$0	90.80
1222223030	Design lifting plan and hardware (FCAL)	15-Nov-06	22-Jan-07	8.00	$6,845	3.20	$0	$6,845	$0	96.40
1222223030M	EC-FY07 technical design report and safety assessment (FCAL)		20-Apr-07	0.00	$0	0.00	$0	$0	$0	83.80
1222223040	EC- Dsgn of Lifting & Mounting Hardware (DETCTR)+	30-Jan-09	07-Jul-09	22.00	$30,132	14.30	$0	$30,132	$0	12.00
1222223041M	EC- Final Technol Dsgn Report & Sfty Assessmnt (DETCTR)+		11-May-09	0.00	$0	0.00	$0	$0	$0	19.80
1222231005	Design of Light Guides (CTOF)	02-Oct-06	30-Mar-07	24.00	$20,492	9.29	$0	$20,492	$0	76.60
1222231010	Design of tools for the LG bending technique (CTOF)	02-Jan-07	21-Jun-07	24.00	$20,421	9.30	$0	$20,421	$0	65.00
1222231015	Design the support for the triplet with 1 m long bend LG's (CTOF)	15-Feb-07	14-Jun-07	16.80	$20,197	9.48	$0	$20,197	$0	66.00
1222231020M	CTOF-FY07 Technol Dsgn Report & Sfty Assessmnt (DETCTR)		21-Jun-07	0.00	$0	0.00	$0	$0	$0	65.00
1222232005	Design of the backing structure for scintillators (FTOF)	02-Oct-06	06-Apr-07	25.00	$17,105	7.67	$0	$17,105	$0	98.60
1222232010	Design of the light guides (FTOF)	02-Oct-06	06-Apr-07	25.00	$17,105	7.67	$0	$17,105	$0	98.60
1222232015	Magnetic shielding design (FTOF)	02-Jan-07	28-Jun-07	25.00	$17,041	7.67	$0	$17,041	$0	87.00
1222232020	PMT housing and grounding design (FTOF)	15-Feb-07	28-Sep-07	31.60	$16,657	7.67	$0	$16,657	$0	74.20
1222232020M	FTOF- FY07 technical design report and safety assessment		28-Sep-07	0.00	$0	0.00	$0	$0	$0	74.20
1222232030	FTOF- Comp Dsgn of Light Guides (DETCTR) (FY-07) Notebook	09-Apr-07	03-Oct-07	25.00	$11,489	5.00	$0	$11,489	$0	98.60
1222241005	Design of the mirror 6 sectors (HTCC)	04-Jan-07	25-Jun-07	24.00	$17,453	6.90	$0	$17,453	$0	72.60
1222241010	Design of the Module (HTCC)	24-Jan-07	14-Jun-07	20.00	$30,169	16.12	$0	$30,169	$0	59.20
1222241015	Design of the Mounting Frames (HTCC)	15-Jun-07	28-Sep-07	14.80	$17,758	9.97	$0	$17,758	$0	59.20
1222241025M	FY07 technical design report and safety assessment (HTCC)		28-Sep-07	0.00	$0	0.00	$0	$0	$0	59.20
1222241035M	HTCC- Technol Dsgn Report (DETCTR)+		22-Jul-09	0.00	$0	0.00	$0	$0	$0	9.80
1222242005	Design modification to the mirrors (LTCC)	04-Jan-07	11-Jun-07	22.00	$5,281	7.67	$0	$5,281	$0	82.20
1222242010	Design of the support structure (LTCC)	21-Mar-07	23-Aug-07	22.00	$15,097	8.46	$0	$15,097	$0	82.20
1222242015M	LTCC- FY07 Technol Dsgn Report & Sfty Assessmnt (DETCTR)		23-Aug-07	0.00	$0	0.00	$0	$0	$0	82.20
1222242020	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$504,260	$504,260	$0	4.00
142213009EX	FY09 Travel (FWD Chambers)	01-Oct-08	24-Dec-08	11.80	$0	0.00	$0	$633	$633	49.60
1.2.2.2.3 COMPUTING		02-Oct-06	30-Aug-13	342.80	$147,433	67.83	($65,353)	$82,080	$0	4.00
12223025	Trigger- Compltn of L-1 Dsgn Scheme (COMPUTNG)	01-Oct-07	03-Jan-08	12.00	$7,720	3.10	$2,765	$10,486	$0	63.20
12223030	Trigger- Compltn of L-2 Dsgn Scheme (COMPUTNG)	04-Jan-08	31-Mar-08	12.00	$8,715	3.50	$0	$8,715	$0	63.20
12223035	Trigger- Compltn of Electronic Dsgn (COMPUTNG)	01-Apr-08	24-Jun-08	12.00	$6,224	2.50	$0	$6,224	$0	63.20
12223040M	CLAS12 Trigger Technol Dsgn Report (COMPUTNG)+		24-Jun-08	0.00	$0	0.00	$0	$0	$0	63.20
12223045	CLAS12 Slow Control Dsgn Sys (COMPUTNG)++	01-Apr-09	03-Sep-09	22.00	$29,976	21.00	$0	$29,976	$0	3.60
122231005	Trigger- Level 1 design (TRGR SYS)	02-Oct-06	16-Mar-07	22.00	$21,683	8.45	$0	$21,683	$0	77.40
122231010	Trigger- Level 2 design (TRGR SYS)	21-Dec-06	26-Jun-07	25.00	$43,119	16.88	$0	$43,119	$0	63.20
122231015	Trigger- Electronic design (TRGR SYS)	27-Jun-07	28-Sep-07	13.20	$29,995	12.41	$0	$29,995	$0	63.20
122231020M	Trigger- Design Report (TRGR SYS)		28-Sep-07	0.00	$0	0.00	$0	$0	$0	63.20
122231025	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($68,118)	($68,118)	$0	4.00
1.2.2.2.4 ELECTRONICS		04-Jan-08	30-Aug-13	281.40	$15,692	6.30	($15,693)	($1)	$0	4.00
12224005	FADC Analysis (ADC) (ELECTRNC'S)++	04-Jan-08	24-Jun-08	24.00	$15,692	6.30	$2,765	$18,458	$0	5.20
12224010	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($18,458)	($18,458)	$0	4.00
1.2.2.2.5 BEAMLINE		02-Oct-06	30-Aug-13	342.80	$176,923	110.04	($107,087)	$69,836	$0	4.00
12225015	Moller Polarimter Optic Dsgn (BL)	01-Oct-08	25-Nov-08	8.00	$9,411	5.00	$0	$9,411	$0	33.60
12225020	Moller Polarimter Mech Supprt (BL)+	26-Nov-08	02-Feb-09	8.00	$10,953	5.60	$0	$10,953	$0	33.60
12225025	Target- Layout (BL)	06-Oct-08	23-Dec-08	11.00	$14,690	10.00	$0	$14,690	$0	0.00
12225030	Target- Vac Sys Dsgn & Mech Supprt (BL)	24-Dec-08	15-May-09	19.00	$23,728	15.00	$0	$23,728	$0	0.00
12225035	Target- Dsgn of Cryogenic Sys (BL)	18-May-09	04-Aug-09	11.00	$14,690	9.00	$0	$14,690	$0	0.00
12225040	Target- Dsgn Control Sys (BL)+	05-Aug-09	30-Sep-09	8.00	$14,947	9.10	$0	$14,947	$0	0.00
12225045	BL COMPON- Beam Vac Sys (BL)	04-Jan-08	31-Mar-08	12.00	$6,121	3.10	$0	$6,121	$0	17.20
12225050	BL COMPON- Dsgn of BL Shielding (BL)+	30-Jun-08	23-Sep-08	12.00	$10,854	5.00	$0	$10,854	$0	50.60
122253000	Target- Design of Longitudinal polarized target (TARGETS)	04-Jan-07	07-Aug-07	30.00	$50,819	24.46	$0	$50,819	$0	57.60
122253005M	Target- Design Report (TARGETS)		07-Aug-07	0.00	$0	0.00	$0	$0	$0	57.60
122254005	BL-Shielding design for central detector (BL COMPON)	02-Oct-06	16-Mar-07	22.00	$6,865	9.97	$0	$6,865	$0	50.20
122254010	BL-Forward detector shielding (BL COMPON)	19-Mar-07	28-Sep-07	27.40	$13,847	13.81	$0	$13,847	$0	50.20
122254015M	BL-Design Report (BL COMPON)		28-Sep-07	0.00	$0	0.00	$0	$0	$0	50.20
122254020	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($107,087)	($107,087)	$0	4.00



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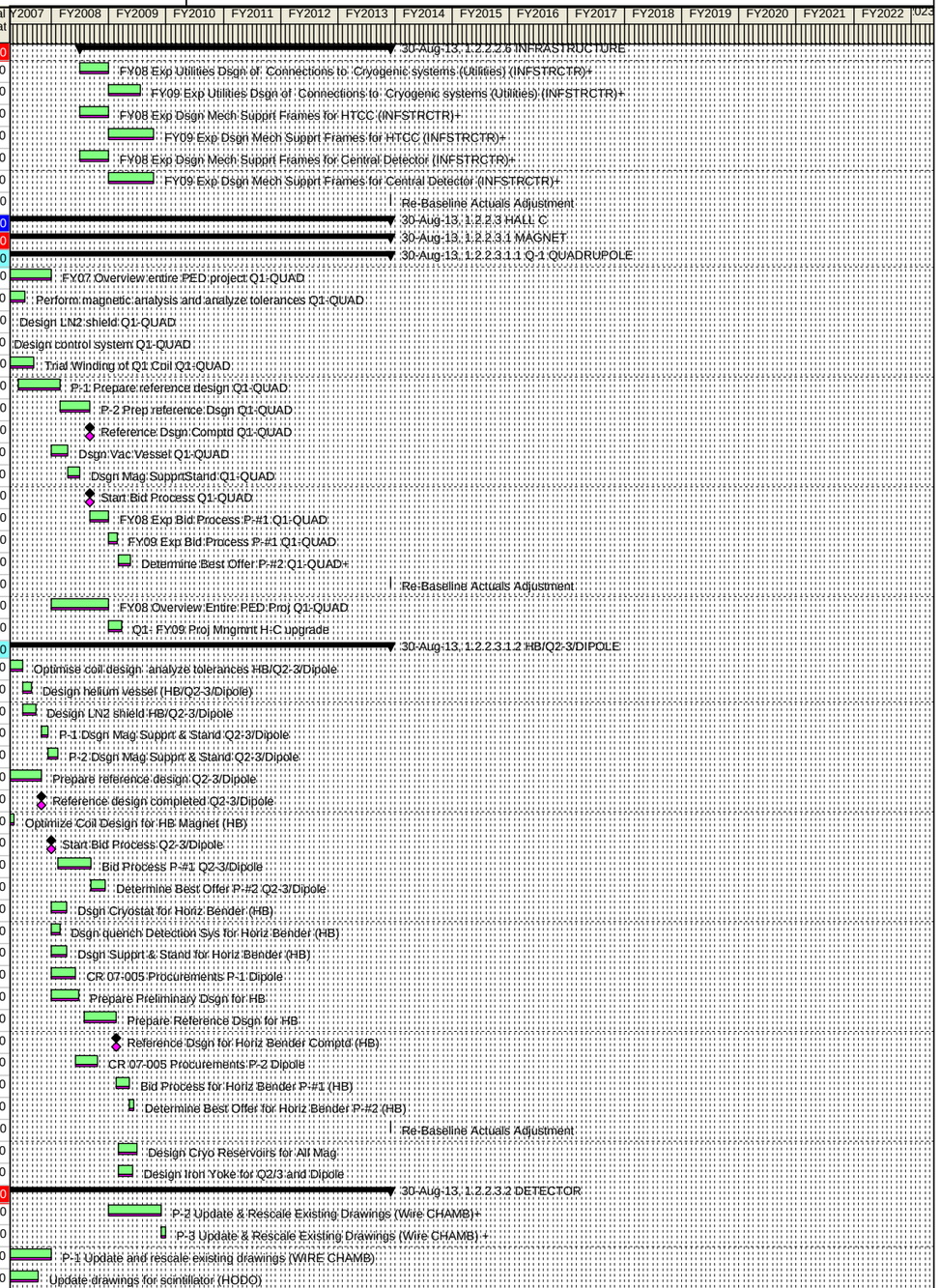
Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
1.2.2.2.6 INFRASTRUCTURE		01-Apr-08	30-Aug-13	269.40	$298,458	146.00	($30,146)	$268,312	$0	4.00
12226010	FY08 Exp Utilities Dsgn of Connections to Cryogenic systems (Utilities) (INFSTRCTR)+	01-Apr-08	30-Sep-08	25.60	$33,017	16.74	$0	$33,017	$0	23.20
12226010a	FY09 Exp Utilities Dsgn of Connections to Cryogenic systems (Utilities) (INFSTRCTR)+	01-Oct-08	16-Apr-09	26.40	$35,136	17.26	$0	$35,136	$0	23.20
12226015	FY08 Exp Dsgn Mech Supprt Frames for HTCC (INFSTRCTR)+	01-Apr-08	30-Sep-08	25.60	$45,195	22.40	$0	$45,195	$0	11.20
12226015a	FY09 Exp Dsgn Mech Supprt Frames for HTCC (INFSTRCTR)+	01-Oct-08	13-Jul-09	38.40	$69,957	33.60	$0	$69,957	$0	11.20
12226020	FY08 Exp Dsgn Mech Supprt Frames for Central Detector (INFSTRCTR)+	01-Apr-08	30-Sep-08	25.60	$45,195	22.40	$0	$45,195	$0	11.20
12226020a	FY09 Exp Dsgn Mech Supprt Frames for Central Detector (INFSTRCTR)+	01-Oct-08	13-Jul-09	38.40	$69,957	33.60	$0	$69,957	$0	11.20
12226025	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($30,146)	($30,146)	$0	4.00
1.2.2.3 HALL C		02-Oct-06	30-Aug-13	342.80	$823,257	407.23	$681,316	$1,593,803	$89,231	4.00
1.2.2.3.1 MAGNET		02-Oct-06	30-Aug-13	342.80	$586,448	272.39	$582,464	$1,198,429	$29,517	4.00
1.2.2.3.1.1 Q-1 QUADRUPOLE		02-Oct-06	30-Aug-13	342.80	$256,436	113.21	$257,385	$523,507	$9,686	4.00
122311007L	FY07 Overview entire PED project Q1-QUAD	02-Oct-06	28-Sep-07	49.40	$0	0.00	$0	$0	$0	0.00
122311010	Perform magnetic analysis and analyze tolerances Q1-QUAD	02-Oct-06	13-Apr-07	26.00	$23,857	9.52	$0	$23,857	$0	13.60
122311020	Design LN2 shield Q1-QUAD	02-Oct-06	03-Jan-07	12.00	$14,883	8.00	$0	$14,883	$0	3.40
122311030	Design control system Q1-QUAD	02-Oct-06	28-Nov-06	8.00	$0	0.00	$31,990	$31,990	$0	15.60
122311035	Trial Winding of Q1 Coil Q1-QUAD	04-Jan-07	08-Jun-07	21.80	$0	0.00	$35,000	$35,000	$0	3.40
122311045	P-1 Prepare reference design Q1-QUAD	06-Mar-07	28-Nov-07	37.40	$45,620	19.16	$0	$45,620	$0	3.40
122311045b	P-2 Prep reference Dsgn Q1-QUAD	29-Nov-07	30-May-08	24.40	$9,120	4.00	$0	$9,120	$0	3.40
122311045M	Reference Dsgn Comptd Q1-QUAD		30-May-08	0.00	$0	0.00	$0	$0	$0	3.40
122311047	Dsgn Vac Vessel Q1-QUAD	01-Oct-07	10-Jan-08	13.00	$10,195	6.00	$0	$10,195	$0	12.00
122311049	Dsgn Mag SupprtStand Q1-QUAD	11-Jan-08	31-Mar-08	11.00	$17,766	10.00	$0	$17,766	$0	12.00
122311050M	Start Bid Process Q1-QUAD	02-Jun-08		0.00	$0	0.00	$0	$0	$0	3.40
122311055	FY08 Exp Bid Process P-#1 Q1-QUAD	02-Jun-08	30-Sep-08	17.00	$42,544	18.89	$0	$49,011	$6,467	3.40
122311055a	FY09 Exp Bid Process P-#1 Q1-QUAD	01-Oct-08	26-Nov-08	8.20	$21,176	9.11	$0	$24,395	$3,219	3.40
122311056	Determine Best Offer P-#2 Q1-QUAD+	01-Dec-08	18-Feb-09	10.00	$0	0.00	$0	$0	$0	3.40
122311060	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$190,395	$190,395	$0	4.00
122311908L	FY08 Overview Entire PED Proj Q1-QUAD	01-Oct-07	30-Sep-08	49.60	$64,512	25.90	$0	$64,512	$0	0.00
14312909LC	Q1- FY09 Proj Mngmnt H-C upgrade	01-Oct-08	24-Dec-08	11.80	$6,763	2.63	$0	$6,763	$0	4.00
1.2.2.3.1.2 HB/Q2-3/DIPOLE		02-Oct-06	30-Aug-13	342.80	$330,012	159.17	$325,079	$674,921	$19,831	4.00
122312015	Optimise coil design analyze tolerances HB/Q2-3/Dipole	02-Oct-06	30-Mar-07	24.00	$41,600	21.55	$0	$41,600	$0	21.00
122312030	Design helium vessel (HB/Q2-3/Dipole)	02-Apr-07	24-May-07	7.80	$5,767	3.30	$30,000	$35,767	$0	21.00
122312035	Design LN2 shield HB/Q2-3/Dipole	30-Mar-07	21-Jun-07	11.80	$23,477	13.00	$0	$23,477	$0	21.00
122312045	P-1 Dsgn Mag Supprt & Stand Q2-3/Dipole	02-Aug-07	12-Sep-07	5.80	$8,864	5.20	$24,290	$33,154	$0	11.40
122312045b	P-2 Dsgn Mag Supprt & Stand Q2-3/Dipole	13-Sep-07	12-Nov-07	8.60	$1,685	1.00	$0	$1,685	$0	11.40
122312050	Prepare reference design Q2-3/Dipole	02-Oct-06	01-Aug-07	41.20	$26,737	12.00	$0	$28,417	$1,680	11.40
122312050M	Reference design completed Q2-3/Dipole		01-Aug-07	0.00	$0	0.00	$0	$0	$0	11.40
122312060	Optimize Coil Design for HB Magnet (HB)	02-Oct-06	07-Feb-07	16.80	$20,195	9.03	$0	$20,195	$0	50.20
122312062M	Start Bid Process Q2-3/Dipole	01-Oct-07		0.00	$0	0.00	$0	$0	$0	17.60
122312065	Bid Process P-#1 Q2-3/Dipole	13-Nov-07	11-Jun-08	28.00	$21,014	11.00	$0	$36,070	$15,055	11.40
122312070	Determine Best Offer P-#2 Q2-3/Dipole	12-Jun-08	05-Sep-08	12.00	$0	0.00	$0	$0	$0	11.40
122312074	Dsgn Cryostat for Horiz Bender (HB)	01-Oct-07	03-Jan-08	12.00	$10,970	6.00	$0	$10,970	$0	73.20
122312076	Dsgn quench Detection Sys for Horiz Bender (HB)	01-Oct-07	26-Nov-07	7.80	$2,474	1.00	$23,584	$26,058	$0	77.40
122312078	Dsgn Supprt & Stand for Horiz Bender (HB)	01-Oct-07	03-Jan-08	12.00	$21,165	12.00	$0	$21,165	$0	73.20
122312079	CR 07-005 Procurements P-1 Dipole	01-Oct-07	03-Mar-08	20.00	$0	0.00	$32,985	$32,985	$0	55.20
122312080	Prepare Preliminary Dsgn for HB	01-Oct-07	26-Mar-08	23.40	$9,120	4.00	$0	$12,216	$3,096	17.80
122312080a	Prepare Reference Dsgn for HB	01-May-08	14-Nov-08	27.80	$0	0.00	$90,000	$90,000	$0	29.00
122312080M	Reference Dsgn for Horiz Bender Comptd (HB)		14-Nov-08	0.00	$0	0.00	$0	$0	$0	29.00
122312084	CR 07-005 Procurements P-2 Dipole	04-Mar-08	23-Jul-08	20.00	$0	0.00	$32,985	$32,985	$0	55.20
122312090	Bid Process for Horiz Bender P-#1 (HB)	17-Nov-08	05-Feb-09	10.00	$23,128	10.00	$0	$23,128	$0	29.00
122312095	Determine Best Offer for Horiz Bender P-#2 (HB)	06-Feb-09	06-Mar-09	4.00	$0	0.00	$0	$0	$0	29.00
122312100	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$91,235	$91,235	$0	4.00
14315050x	Design Cryo Reservoirs for All Mag	01-Dec-08	01-Apr-09	16.00	$77,196	34.00	$0	$77,196	$0	69.20
14315055x	Design Iron Yoke for Q2/3 and Dipole	01-Dec-08	04-Mar-09	12.00	$36,620	16.10	$0	$36,620	$0	138.40
1.2.2.3.2 DETECTOR		04-Jan-07	30-Aug-13	330.80	$83,062	58.65	$3,994	$106,372	$19,316	4.00
12232015	P-2 Update & Rescale Existing Drawings (Wire CHAMB)+	01-Oct-08	01-Sep-09	45.60	$5,141	2.00	$0	$5,141	$0	0.00
12232020	P-3 Update & Rescale Existing Drawings (Wire CHAMB) +	02-Sep-09	30-Sep-09	4.00	$2,570	1.00	$0	$2,570	$0	0.00
122321005	P-1 Update and rescale existing drawings (WIRE CHAMB)	04-Jan-07	28-Sep-07	37.40	$5,014	2.00	$0	$5,014	$0	49.60
122322005	Update drawings for scintillator (HODO)	04-Jan-07	10-Jul-07	26.00	$5,095	2.00	$0	$5,095	$0	66.60



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Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
122322015	P-1 Prep Drawings for Quartz hosdoscope (HODO)	14-May-07	02-Aug-07	11.40	$4,858	5.30	$0	$7,358	$2,500	66.60
122322015b	P-2 Prep Drawings for Quartz Hodoscope (HODO)+	01-Oct-08	28-Jul-09	40.60	$17,240	18.40	$0	$27,888	$10,648	9.00
122323005	P-1 Update existing drawings for Cerenkov (HIPRESS CRNKV)	18-Jun-07	28-Sep-07	14.60	$4,133	1.70	$0	$4,133	$0	55.00
122323005b	P-2 Update Existing Drawings for Cerenkov (HIPRESS CRNKV)	01-Oct-08	15-Oct-08	2.20	$771	0.30	$0	$771	$0	5.40
122323015	Update Existing Drawers for Cerenkov (HIPRESS CRNKV)+	19-Feb-09	21-Aug-09	26.00	$7,711	3.00	$0	$7,711	$0	5.40
122324005	P-1 Prepare drawings for heavy gas Cerenkove (LOPRESS CRNKV)	05-Jan-09	19-Mar-09	10.40	$4,370	1.70	$0	$4,370	$0	13.00
122324005b	P-2 Prep Drawings for Heavy Gas Cerenkove (LOPRESS CRNKV)	20-Mar-09	03-Apr-09	2.20	$771	0.30	$0	$771	$0	13.00
122324015	Prep Drawings for Heavy Gas Cerenkove (LOPRESS CRNKV)+	06-Apr-09	29-Jun-09	12.00	$7,711	3.00	$0	$7,711	$0	13.00
122325005	Prepare drawings for final block arrangements (SHWR CNTR)	04-Jan-07	30-Mar-07	12.00	$10,369	10.75	$0	$12,959	$2,590	120.60
122325015	Prep Drawings for PM & Cable Arrangement (SHWR CNTR)	20-Oct-08	30-Apr-09	25.80	$7,306	7.20	$0	$10,884	$3,578	0.20
122325020	Dsgn Detector Frame (SHWR CNTR)++	01-May-09	29-Sep-09	21.00	$0	0.00	$19,167	$19,167	$0	0.20
122325025	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($15,173)	($15,173)	$0	4.00
1.2.2.3.6 INFRASTRUCTURE		02-Oct-06	30-Aug-13	342.80	$153,748	76.20	$94,858	$289,003	$40,398	4.00
12236010b	P-2 Dsgn Vac Sys (ENG&DES)+	01-Oct-08	14-Oct-08	2.00	$885	0.50	$0	$3,014	$2,130	27.60
12236015b	P-2 Dsgn Cryogenic Sys (ENG&DES)+	01-Oct-08	14-Oct-08	2.00	$1,037	0.50	$0	$3,166	$2,130	47.60
12236020	Dsgn Scattering Chamb (ENG&DES)+	01-Oct-08	28-Oct-08	4.00	$6,060	3.00	$0	$8,189	$2,130	25.60
12236025	Dsgn Beam Pipe & Stands (ENG&DES)+	01-Oct-08	02-Jan-09	12.00	$12,119	6.00	$0	$14,249	$2,130	17.60
12236030	PROC Continue Reference Dsgn & Drawings (SUP STRUCT)	18-Mar-08	05-Mar-09	48.00	$0	0.00	$25,560	$25,560	$0	0.20
12236030a	FY08 Exp Continue Reference Dsgn & Drawings (SUP STRUCT)	18-Mar-08	30-Sep-08	27.60	$8,014	4.14	$0	$9,201	$1,187	0.20
12236030b	FY09 Exp Continue Reference Dsgn & Drawings (SUP STRUCT)	01-Oct-08	05-Mar-09	20.40	$6,113	3.06	$0	$7,018	$905	0.20
12236035	Prep Bid Packages (SUP STRUCT)	06-Mar-09	26-Jun-09	16.00	$12,119	6.00	$0	$15,846	$3,727	0.20
12236035M	Start Bid Process (SUP STRUCT)	29-Jun-09		0.00	$0	0.00	$0	$0	$0	0.20
12236040	Determine Best Offer (SUP STRUCT)+	29-Jun-09	29-Sep-09	13.00	$4,306	2.00	$0	$6,436	$2,130	0.20
12236045	PROC Continue Reference Dsgn & Drawings (SHLD HOUSE)	01-Apr-08	19-Mar-09	48.00	$0	0.00	$21,298	$21,298	$0	0.00
12236045a	FY08 Exp Continue Reference Dsgn & Drawings (SHLD HOUSE)	01-Apr-08	30-Sep-08	25.60	$4,451	2.13	$0	$5,552	$1,101	0.00
12236045b	FY09 Exp Continue Reference Dsgn & Drawings (SHLD HOUSE)	01-Oct-08	19-Mar-09	22.40	$4,019	1.87	$0	$5,012	$994	0.00
12236050	Prep Bid Packages (SHLD HOUSE)	20-Mar-09	13-Jul-09	16.00	$8,612	4.00	$0	$12,339	$3,727	0.00
12236055M	Start Bid Process (SHLD HOUSE)	14-Jul-09		0.00	$0	0.00	$0	$0	$0	0.00
12236060	Determine Best Offer (SHLD HOUSE)+	14-Jul-09	30-Sep-09	11.20	$4,306	2.00	$0	$6,436	$2,130	0.00
122361010	P-1 Dsgn Vac Sys (ENG&DES)+	16-Apr-07	28-Sep-07	23.40	$16,017	8.25	$0	$18,081	$2,064	77.20
122361015	P-1 Dsgn Cryogenic Sys (ENG&DES)+	16-Apr-07	28-Sep-07	23.40	$10,653	5.50	$0	$12,717	$2,064	97.20
122362010	Hire subcontructor to prepare preliminmary design (SUP STRUCT)	02-Oct-06	14-Feb-07	17.80	$0	0.00	$10,320	$10,320	$0	30.80
122362015	Approve preliminary design (SUP STRUCT)	15-Feb-07	22-Feb-07	1.00	$4,244	2.00	$0	$6,308	$2,064	30.80
122362020	Produce detailed design and drawings (SUP STRUCT)	01-Oct-07	17-Mar-08	22.00	$18,936	9.85	$27,345	$46,282	$0	0.20
122363010	Prepare preliminary drawings (SHLD HOUSE)	02-Oct-06	05-Feb-07	16.40	$7,149	3.40	$10,645	$17,794	$0	32.00
122363015	Approve preliminary design (SHLD HOUSE)	06-Feb-07	12-Feb-07	1.00	$4,244	2.00	$0	$6,312	$2,068	32.00
122363020	Prepare detailed design and drawings (SHLD HOUSE)	01-Oct-07	31-Mar-08	24.00	$8,346	4.00	$22,366	$30,712	$0	0.00
122363025	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($38,064)	($38,064)	$0	4.00
12236830LOE	FY09 Coordinate All SHMS Compnts with Supprt Struct (ENG&DES)+	01-Oct-08	08-Jul-09	37.80	$12,119	6.00	$15,387	$35,226	$7,720	11.80
1.2.3 HALL D		02-Oct-06	30-Aug-13	342.80	$1,884,585	1748.78	$775,270	$2,663,018	$3,162	4.00
1.2.3.1 SOLENOID		01-Oct-08	30-Aug-13	243.80	$0	0.00	$165	$452	$287	4.00
1231000	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$165	$165	$0	4.00
151009E5	FY09 Travel (SOLENOID)	01-Oct-08	24-Dec-08	11.80	$0	0.00	$0	$287	$287	86.20
1.2.3.2 DETECTORS		02-Oct-06	30-Aug-13	342.80	$685,128	816.05	$570,702	$1,258,402	$2,572	4.00
123211010	Fall Progress updates including safety assessment at Hall D collaboration meeting	15-Nov-06	30-Nov-06	2.00	$0	0.00	$0	$0	$0	113.60
123211010M	Fall Design updates based on collaboration assessment		15-Dec-06	0.00	$0	0.00	$0	$0	$0	113.60
123211020	Spring Progress updates including safety assessment at Hall D collaboration meeting	30-Apr-07	11-May-07	2.00	$0	0.00	$0	$0	$0	113.60
123211020M	Spring Safety Design Report updates based on collaboration assessment		15-May-07	0.00	$0	0.00	$0	$0	$0	113.60
1.2.3.2.1 TRACKING		02-Oct-06	30-Aug-13	342.80	$305,817	397.44	$291,899	$598,329	$614	4.00
12321017	Final Dsgn & Safty Assessmnt of Drift Chambs	16-Sep-08	29-Sep-08	2.00	$0	0.00	$0	$0	$0	47.20
12321018M	Drift Chamb Dsgn Rquirmnts Finalized++		16-Oct-08	0.00	$0	0.00	$0	$0	$0	47.20
123211015	Interim Design and Safety Assessment of drift chambers	15-Mar-07	28-Mar-07	2.00	$0	0.00	$0	$0	$0	90.80
123211015M	Interim Drift chamber design requirements updated		16-Apr-07	0.00	$0	0.00	$0	$0	$0	90.80
1.2.3.2.1.1 FORWARD CHAMBERS		02-Oct-06	30-Aug-13	342.80	$157,986	145.44	$170,923	$329,216	$307	4.00
123211005	Develop FDC design (FWD CHAMB)	02-Oct-06	01-Feb-07	15.80	$10,033	17.84	$0	$10,033	$0	67.80
123211025	Specify All FDC Chamb Matrl's	01-Oct-07	04-Dec-07	9.00	$0	10.00	$0	$0	$0	67.60
123211030	Detail FDC Final Procedure for Chamb Wire Stringing, Constrctn, & Assy	01-Oct-07	04-Dec-07	9.00	$0	10.00	$0	$0	$0	67.60
123211035	Comp FDC Layout & Dsgn of on-board Electrnc's	01-Oct-07	04-Dec-07	9.00	$15,680	10.00	$0	$15,680	$0	67.60

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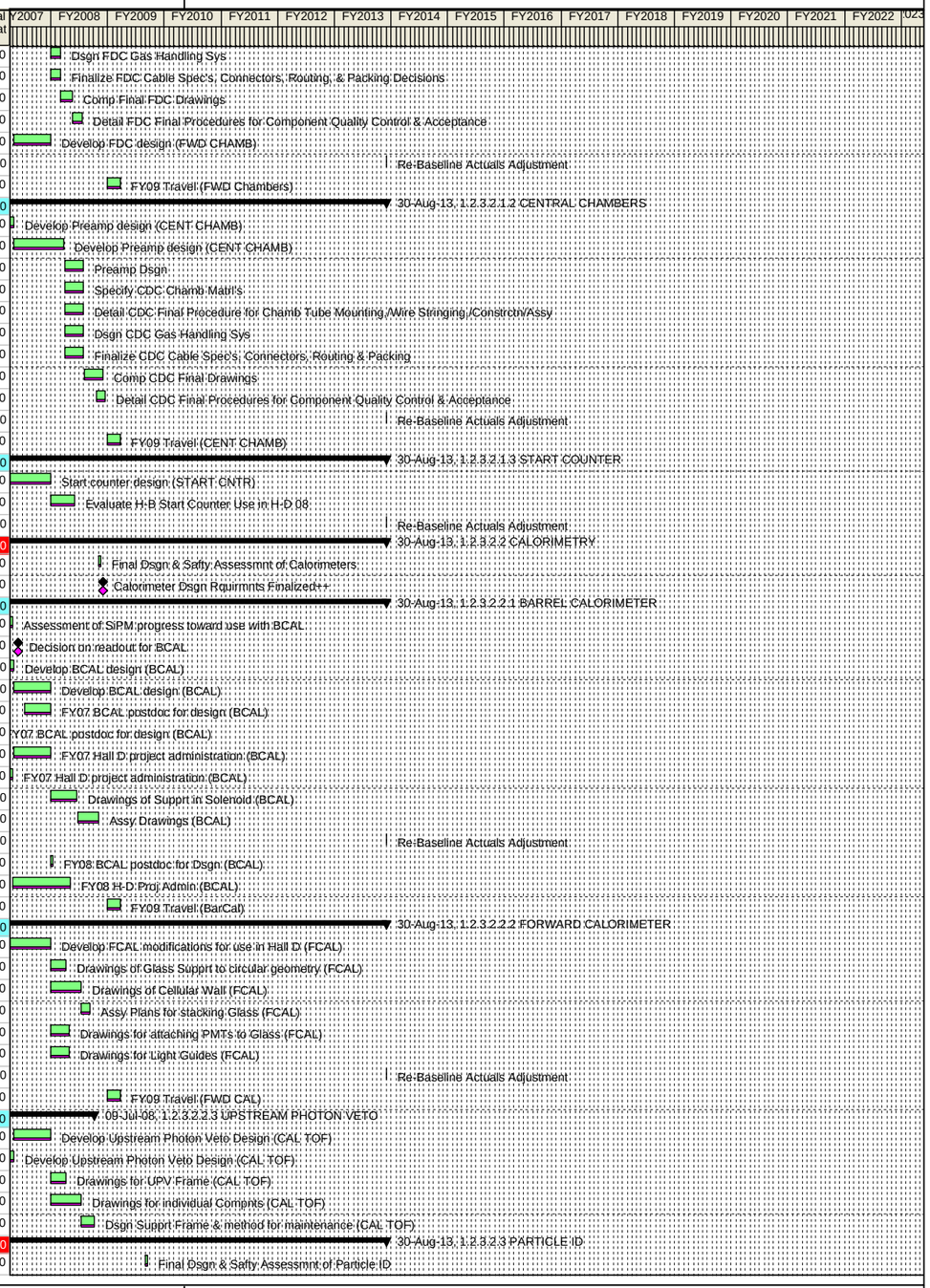
Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
123211040	Dsgn FDC Gas Handling Sys	01-Oct-07	04-Dec-07	9.00	$15,680	10.00	$0	$15,680	$0	67.60
123211045	Finalize FDC Cable Spec's, Connectors, Routing, & Packing Decisions	01-Oct-07	04-Dec-07	9.00	$12,074	7.70	$0	$12,074	$0	67.60
123211050	Comp Final FDC Drawings	05-Dec-07	15-Feb-08	9.00	$54,419	35.00	$0	$54,419	$0	67.60
123211055	Detail FDC Final Procedures for Component Quality Control & Acceptance	19-Feb-08	21-Apr-08	9.00	$0	19.10	$0	$0	$0	67.60
12321105A	Develop FDC design (FWD CHAMB)	02-Feb-07*	28-Sep-07	33.40	$50,101	25.80	$0	$50,101	$0	67.60
123211060	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$170,923	$170,923	$0	4.00
15211009EX	FY09 Travel (FWD Chambers)	01-Oct-08	24-Dec-08	11.80	$0	0.00	$0	$307	$307	12.80
1.2.3.2.1.2 CENTRAL CHAMBERS		02-Oct-06	30-Aug-13	342.80	$147,830	234.40	$120,752	$268,889	$307	4.00
123212005	Develop Preamp design (CENT CHAMB)	02-Oct-06	01-Feb-07	16.00	$0	0.00	$0	$0	$0	49.00
123212005A	Develop Preamp design (CENT CHAMB)	02-Feb-07	21-Dec-07	45.00	$0	0.00	$51,600	$51,600	$0	49.00
123212008	Preamp Dsgn	02-Jan-08	24-Apr-08	16.00	$0	0.00	$32,804	$32,804	$0	49.00
123212010	Specify CDC Chamb Matrl's	02-Jan-08	24-Apr-08	16.00	$0	24.00	$0	$0	$0	49.00
123212015	Detail CDC Final Procedure for Chamb Tube Mounting,/Wire Stringing,/Constrctn/Assy	02-Jan-08	24-Apr-08	16.00	$0	37.00	$0	$0	$0	49.00
123212020	Dsgn CDC Gas Handling Sys	02-Jan-08	24-Apr-08	16.00	$0	42.40	$0	$0	$0	49.00
123212025	Finalize CDC Cable Spec's, Connectors, Routing & Packing	02-Jan-08	24-Apr-08	16.00	$73,915	43.50	$0	$73,915	$0	49.00
123212030	Comp CDC Final Drawings	08-May-08	29-Aug-08	16.00	$73,915	43.50	$0	$73,915	$0	47.20
123212035	Detail CDC Final Procedures for Component Quality Control & Acceptance	21-Jul-08	15-Sep-08	8.00	$0	44.00	$0	$0	$0	47.20
123212040	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$36,348	$36,348	$0	4.00
15212009EX	FY09 Travel (CENT CHAMB)	01-Oct-08	24-Dec-08	11.80	$0	0.00	$0	$307	$307	23.80
1.2.3.2.1.3 START COUNTER		02-Oct-06	30-Aug-13	342.80	$0	17.60	$224	$224	$0	4.00
123213005L	Start counter design (START CNTR)	02-Oct-06	28-Sep-07	49.40	$0	0.00	$0	$0	$0	74.60
123213010	Evaluate H-B Start Counter Use in H-D 08	01-Oct-07	03-Mar-08	20.00	$0	17.60	$0	$0	$0	74.60
123213015	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$224	$224	$0	4.00
1.2.3.2.2 CALORIMETRY		02-Oct-06	30-Aug-13	342.80	$344,416	322.11	$290,905	$637,280	$1,958	4.00
12322017	Final Dsgn & Safty Assessmnt of Calorimeters	01-Aug-08	14-Aug-08	2.00	$0	0.00	$0	$0	$0	53.40
12322018M	Calorimeter Dsgn Rquirmnts Finalized++		03-Sep-08	0.00	$0	0.00	$0	$0	$0	53.40
1.2.3.2.2.1 BARREL CALORIMETER		02-Oct-06	30-Aug-13	342.80	$273,660	208.59	$182,790	$458,207	$1,756	4.00
123221000	Assessment of SiPM progress toward use with BCAL	02-Jan-07	30-Jan-07	4.00	$0	0.00	$0	$0	$0	98.80
123221000M	Decision on readout for BCAL		01-Mar-07	0.00	$0	0.00	$0	$0	$0	98.80
123221002	Develop BCAL design (BCAL)	02-Oct-06	01-Feb-07	16.00	$0	18.88	$0	$0	$0	9.40
123221002A	Develop BCAL design (BCAL)	02-Feb-07	28-Sep-07	33.40	$75,579	38.50	$0	$75,579	$0	9.40
123221004	FY07 BCAL postdoc for design (BCAL)	16-Apr-07	28-Sep-07	23.40	$58,743	30.00	$0	$58,743	$0	92.60
123221004L	FY07 BCAL postdoc for design (BCAL)	02-Oct-06	02-Oct-06	0.20	$0	0.00	$0	$0	$0	141.80
123221007A	FY07 Hall D project administration (BCAL)	02-Feb-07*	28-Sep-07	33.40	$21,097	8.44	$0	$21,097	$0	11.60
123221007L	FY07 Hall D project administration (BCAL)	02-Oct-06	01-Feb-07	15.80	$7,883	3.07	$0	$7,883	$0	11.80
123221020	Drawings of Supprt in Solenoid (BCAL)	01-Oct-07	17-Mar-08	22.00	$21,806	40.90	$0	$21,806	$0	9.40
123221025	Assy Drawings (BCAL)	25-Mar-08	31-Jul-08	18.20	$58,112	56.30	$49,201	$107,313	$0	8.40
123221030	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$133,589	$133,589	$0	4.00
123221804b	FY08 BCAL postdoc for Dsgn (BCAL)	02-Oct-07	15-Oct-07	2.00	$2,974	1.50	$0	$2,974	$0	92.40
123221908L	FY08 H-D Proj Admin (BCAL)	01-Feb-07	04-Feb-08	49.60	$27,467	11.00	$0	$27,467	$0	25.20
15221009EX	FY09 Travel (BarCal)	01-Oct-08	24-Dec-08	11.80	$0	0.00	$0	$1,756	$1,756	99.20
1.2.3.2.2.2 FORWARD CALORIMETER		02-Oct-06	30-Aug-13	342.80	$70,756	108.40	$108,115	$179,073	$202	4.00
123222005	Develop FCAL modifications for use in Hall D (FCAL)	02-Oct-06	28-Sep-07	49.40	$0	0.00	$0	$0	$0	56.60
123222010	Drawings of Glass Supprt to circular geometry (FCAL)	01-Oct-07	03-Jan-08	12.00	$54,419	34.00	$54,629	$109,048	$0	70.60
123222015	Drawings of Cellular Wall (FCAL)	01-Oct-07	14-Apr-08	26.00	$0	0.00	$54,629	$54,629	$0	56.60
123222020	Assy Plans for stacking Glass (FCAL)	15-Apr-08	10-Jun-08	8.00	$8,056	30.40	$0	$8,056	$0	56.60
123222025	Drawings for attaching PMTs to Glass (FCAL)	01-Oct-07	25-Jan-08	15.00	$0	22.00	$0	$0	$0	79.60
123222030	Drawings for Light Guides (FCAL)	01-Oct-07	25-Jan-08	15.00	$8,281	22.00	$0	$8,281	$0	79.60
123222035	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($1,142)	($1,142)	$0	4.00
15222009EX	FY09 Travel (FWD CAL)	01-Oct-08	24-Dec-08	11.80	$0	0.00	$0	$202	$202	63.40
1.2.3.2.2.3 UPSTREAM PHOTON VETO		02-Oct-06	09-Jul-08	87.40	$0	5.12	$0	$0	$0	56.60
123223005A	Develop Upstream Photon Veto Design (CAL TOF)	02-Feb-07	28-Sep-07	33.40	$0	0.00	$0	$0	$0	56.60
123223005L	Develop Upstream Photon Veto Design (CAL TOF)	02-Oct-06	01-Feb-07	16.00	$0	1.12	$0	$0	$0	56.60
123223010	Drawings for UPV Frame (CAL TOF)	01-Oct-07	03-Jan-08	12.00	$0	1.00	$0	$0	$0	70.60
123223015	Drawings for individual Compnts (CAL TOF)	01-Oct-07	14-Apr-08	26.00	$0	1.00	$0	$0	$0	56.60
123223020	Dsgn Supprt Frame & method for maintenance (CAL TOF)	15-Apr-08	09-Jul-08	12.00	$0	2.00	$0	$0	$0	56.60
1.2.3.2.3 PARTICLE ID		02-Oct-06	30-Aug-13	342.80	$34,895	96.50	($12,102)	$22,793	$0	4.00
12323039	Final Dsgn & Safty Assessmnt of Particle ID	04-Jun-09	17-Jun-09	2.00	$0	0.00	$0	$0	$0	14.60



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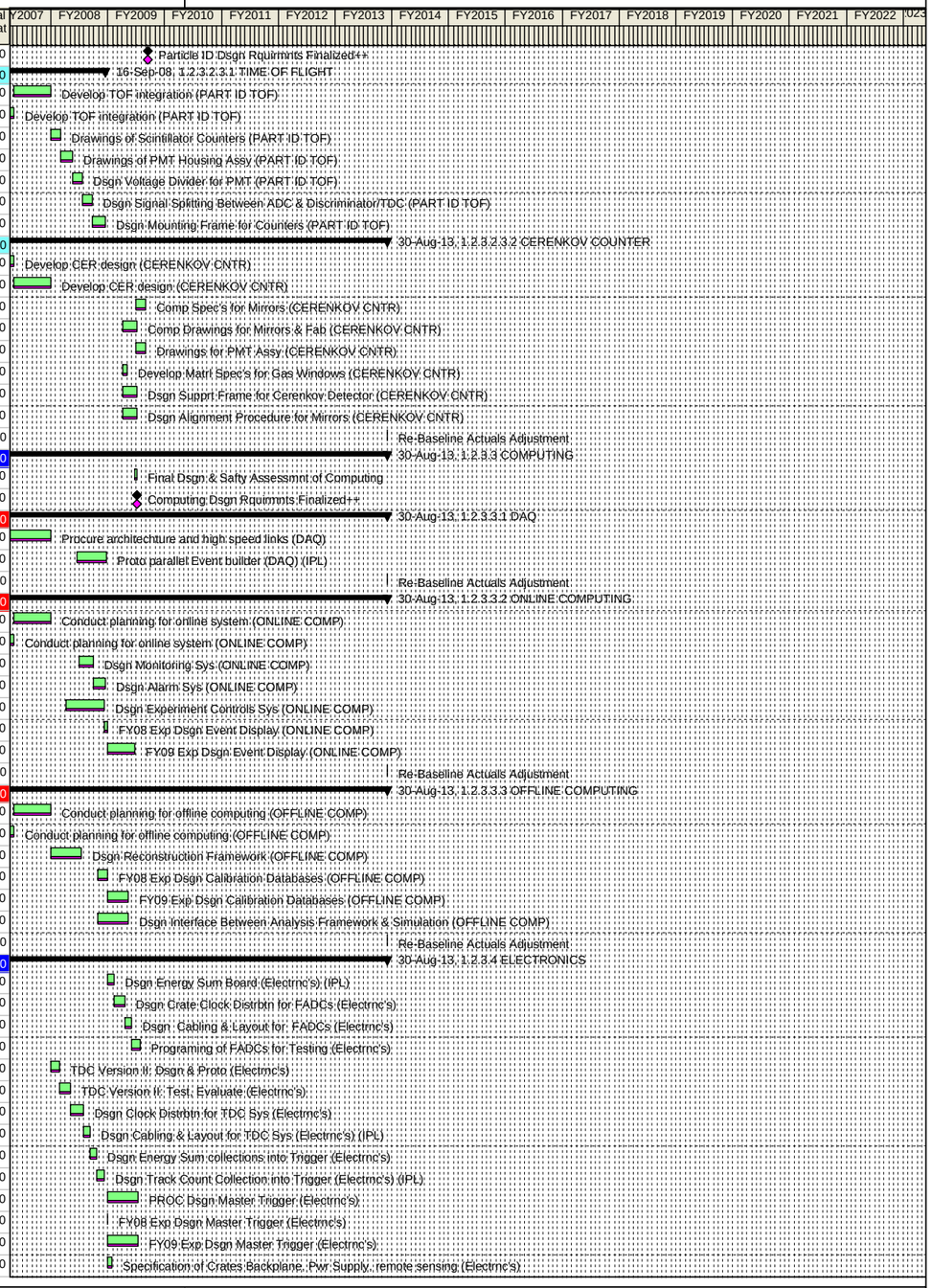
Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
12323040M	Particle ID Dsgn Rquirmnts Finalized++		17-Jun-09	0.00	$0	0.00	$0	$0	$0	14.60
1.2.3.2.3.1 TIME OF FLIGHT		02-Oct-06	16-Sep-08	97.00	$0	62.80	$0	$0	$0	49.60
123231005A	Develop TOF integration (PART ID TOF)	02-Feb-07	28-Sep-07	33.40	$0	0.00	$0	$0	$0	49.60
123231005L	Develop TOF integration (PART ID TOF)	02-Oct-06	01-Feb-07	16.00	$0	13.80	$0	$0	$0	49.60
123231010	Drawings of Scintillator Counters (PART ID TOF)	01-Oct-07	04-Dec-07	9.00	$0	9.00	$0	$0	$0	49.60
123231015	Drawings of PMT Housing Assy (PART ID TOF)	05-Dec-07	15-Feb-08	9.00	$0	9.00	$0	$0	$0	49.60
123231020	Dsgn Voltage Divider for PMT (PART ID TOF)	19-Feb-08	21-Apr-08	9.00	$0	9.00	$0	$0	$0	49.60
123231025	Dsgn Signal Splitting Between ADC & Discriminator/TDC (PART ID TOF)	22-Apr-08	23-Jun-08	8.80	$0	9.00	$0	$0	$0	49.60
123231030	Dsgn Mounting Frame for Counters (PART ID TOF)	24-Jun-08	16-Sep-08	11.80	$0	13.00	$0	$0	$0	49.60
1.2.3.2.3.2 CERENKOV COUNTER		02-Oct-06	30-Aug-13	342.80	$34,895	33.70	($12,102)	$22,793	$0	4.00
123232005	Develop CER design (CERENKOV CNTR)	02-Oct-06	01-Feb-07	16.00	$0	0.00	$0	$0	$0	52.20
123232005A	Develop CER design (CERENKOV CNTR)	02-Feb-07	28-Sep-07	33.40	$34,895	33.70	$0	$34,895	$0	52.20
123232010	Comp Spec's for Mirrors (CERENKOV CNTR)	01-Apr-09	03-Jun-09	9.00	$0	0.00	$0	$0	$0	14.60
123232015	Comp Drawings for Mirrors & Fab (CERENKOV CNTR)	05-Jan-09	07-Apr-09	13.00	$0	0.00	$0	$0	$0	22.60
123232020	Drawings for PMT Assy (CERENKOV CNTR)	01-Apr-09	03-Jun-09	9.00	$0	0.00	$0	$0	$0	14.60
123232025	Develop Matrl Spec's for Gas Windows (CERENKOV CNTR)	05-Jan-09	02-Feb-09	4.00	$0	0.00	$0	$0	$0	31.60
123232030	Dsgn Supprt Frame for Cerenkov Detector (CERENKOV CNTR)	05-Jan-09	07-Apr-09	13.00	$0	0.00	$0	$0	$0	22.60
123232035	Dsgn Alignment Procedure for Mirrors (CERENKOV CNTR)	05-Jan-09	07-Apr-09	13.00	$0	0.00	$0	$0	$0	22.60
123232040	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($12,102)	($12,102)	$0	4.00
1.2.3.3 COMPUTING		02-Oct-06	30-Aug-13	342.80	$301,129	241.40	$92,790	$393,918	$0	4.00
1233039	Final Dsgn & Safty Assessmnt of Computing	20-Mar-09	02-Apr-09	2.00	$0	0.00	$0	$0	$0	25.20
1233040M	Computing Dsgn Rquirmnts Finalized++		02-Apr-09	0.00	$0	0.00	$0	$0	$0	25.20
1.2.3.3.1 DAQ		02-Oct-06	30-Aug-13	342.80	$0	0.00	$77,501	$77,501	$0	4.00
12331005	Procure architechture and high speed links (DAQ)	02-Oct-06	28-Sep-07	49.40	$0	0.00	$20,640	$20,640	$0	49.20
12331010	Proto parallel Event builder (DAQ) (IPL)	18-Mar-08	18-Sep-08	26.00	$0	0.00	$43,660	$43,660	$0	49.20
12331015	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$13,201	$13,201	$0	4.00
1.2.3.3.2 ONLINE COMPUTING		02-Oct-06	30-Aug-13	342.80	$136,304	65.73	($11,186)	$125,118	$0	4.00
12332005ALC	Conduct planning for online system (ONLINE COMP)	02-Feb-07	28-Sep-07	33.40	$0	0.00	$0	$0	$0	37.20
12332005LOE	Conduct planning for online system (ONLINE COMP)	02-Oct-06	01-Feb-07	16.00	$0	2.53	$0	$0	$0	37.20
12332010	Dsgn Monitoring Sys (ONLINE COMP)	01-Apr-08	01-Jul-08	13.00	$4,982	2.00	$0	$4,982	$0	50.20
12332015	Dsgn Alarm Sys (ONLINE COMP)	02-Jul-08	11-Sep-08	10.00	$25,406	10.20	$13,095	$38,501	$0	50.20
12332020	Dsgn Experiment Controls Sys (ONLINE COMP)	04-Jan-08	04-Sep-08	34.00	$57,288	23.00	$0	$57,288	$0	25.20
12332025	FY08 Exp Dsgn Event Display (ONLINE COMP)	05-Sep-08	30-Sep-08	3.60	$6,553	3.88	$0	$6,553	$0	25.20
12332025a	FY09 Exp Dsgn Event Display (ONLINE COMP)	01-Oct-08	19-Mar-09	22.40	$42,076	24.12	$0	$42,076	$0	25.20
12332030	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($24,281)	($24,281)	$0	4.00
1.2.3.3.3 OFFLINE COMPUTING		02-Oct-06	30-Aug-13	342.80	$164,825	175.67	$26,475	$191,299	$0	4.00
12333005ALC	Conduct planning for offline computing (OFFLINE COMP)	02-Feb-07	28-Sep-07	33.40	$0	0.00	$0	$0	$0	31.00
12333005LOE	Conduct planning for offline computing (OFFLINE COMP)	02-Oct-06	01-Feb-07	16.00	$0	5.07	$0	$0	$0	31.00
12333010	Dsgn Reconstruction Framework (OFFLINE COMP)	01-Oct-07	14-Apr-08	26.00	$80,951	87.60	$0	$80,951	$0	31.00
12333015	FY08 Exp Dsgn Calibration Databases (OFFLINE COMP)	25-Jul-08	30-Sep-08	9.40	$29,717	20.97	$0	$29,717	$0	31.00
12333015a	FY09 Exp Dsgn Calibration Databases (OFFLINE COMP)	01-Oct-08	05-Feb-09	16.60	$54,156	37.03	$0	$54,156	$0	31.00
12333020	Dsgn Interface Between Analysis Framework & Simulation (OFFLINE COMP)	25-Jul-08	05-Feb-09	26.00	$0	25.00	$0	$0	$0	31.00
12333025	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$26,475	$26,475	$0	4.00
1.2.3.4 ELECTRONICS		02-Oct-06	30-Aug-13	342.80	$460,845	338.78	$174,524	$635,673	$304	4.00
1234030	Dsgn Energy Sum Board (Electrnc's) (IPL)	01-Oct-08	11-Nov-08	6.00	$129,206	53.70	$16,483	$145,689	$0	17.00
1234035	Dsgn Crate Clock Distrbtn for FADCs (Electrnc's)	12-Nov-08	16-Jan-09	8.00	$18,392	10.00	$0	$18,392	$0	17.00
1234040	Dsgn Cabling & Layout for FADCs (Electrnc's)	20-Jan-09	03-Mar-09	6.00	$35,350	22.00	$0	$35,350	$0	17.00
1234045	Programing of FADCs for Testing (Electrnc's)	04-Mar-09	28-Apr-09	8.00	$12,852	5.00	$0	$12,852	$0	17.00
1234050	TDC Version II: Dsgn & Proto (Electrnc's)	01-Oct-07	27-Nov-07	8.00	$0	14.00	$0	$0	$0	22.60
1234055	TDC Version II: Test, Evaluate (Electrnc's)	28-Nov-07	01-Feb-08	8.00	$12,454	5.00	$0	$12,454	$0	22.60
1234060	Dsgn Clock Distrbtn for TDC Sys (Electrnc's)	04-Feb-08	28-Apr-08	12.00	$19,602	11.00	$0	$19,602	$0	22.60
1234065	Dsgn Cabling & Layout for TDC Sys (Electrnc's) (IPL)	29-Apr-08	10-Jun-08	6.00	$34,258	22.00	$0	$34,258	$0	22.60
1234070	Dsgn Energy Sum collections into Trigger (Electrnc's)	11-Jun-08	23-Jul-08	6.00	$19,602	11.00	$0	$19,602	$0	22.60
1234075	Dsgn Track Count Collection into Trigger (Electrnc's) (IPL)	24-Jul-08	04-Sep-08	6.00	$0	33.00	$0	$0	$0	22.60
1234080	PROC Dsgn Master Trigger (Electrnc's)	26-Sep-08	09-Apr-09	26.00	$0	0.00	$56,445	$56,445	$0	19.60
1234080a	FY08 Exp Dsgn Master Trigger (Electrnc's)	26-Sep-08	30-Sep-08	0.60	$1,322	0.53	$0	$1,322	$0	19.60
1234080b	FY09 Exp Dsgn Master Trigger (Electrnc's)	01-Oct-08	09-Apr-09	25.40	$57,755	22.47	$0	$57,755	$0	19.60
1234085	Specification of Crates Backplane, Pwr Supply, remote sensing (Electrnc's)	01-Oct-08	28-Oct-08	4.00	$0	33.00	$0	$0	$0	41.00



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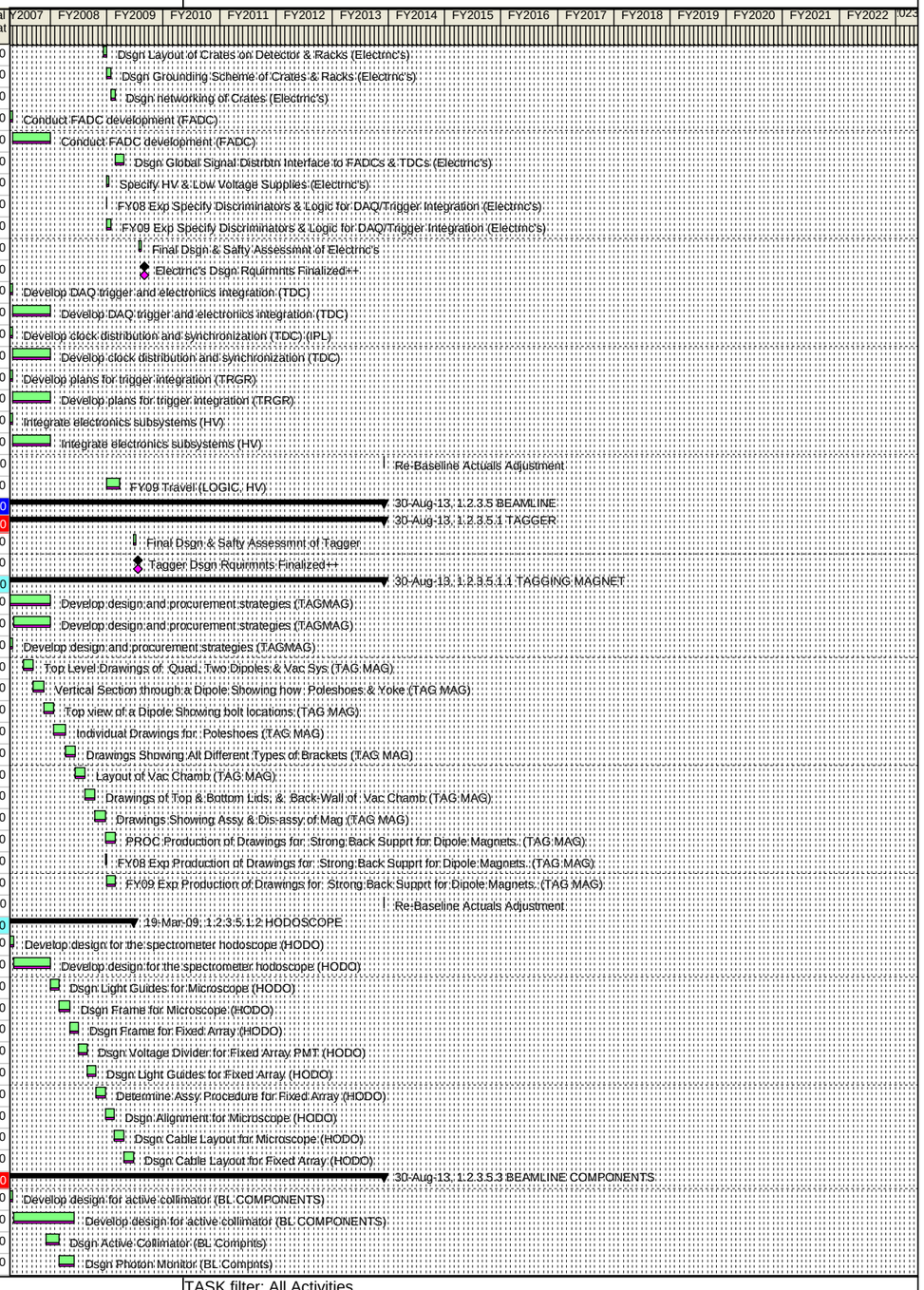
Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
1234090	Dsgn Layout of Crates on Detector & Racks (Electrnc's)	05-Sep-08	30-Sep-08	3.60	$0	31.00	$0	$0	$0	31.00
1234095	Dsgn Grounding Scheme of Crates & Racks (Electrnc's)	01-Oct-08	28-Oct-08	4.00	$12,846	5.00	$0	$12,846	$0	31.00
1234100	Dsgn networking of Crates (Electrnc's)	29-Oct-08	25-Nov-08	4.00	$20,554	8.00	$0	$20,554	$0	31.00
12341005	Conduct FADC development (FADC)	02-Oct-06	01-Feb-07	15.80	$0	13.53	$1,032	$1,032	$0	22.80
12341005A	Conduct FADC development (FADC)	01-Feb-07	28-Sep-07	33.40	$26,291	10.53	$19,608	$45,899	$0	22.80
1234105	Dsgn Global Signal Distrbtn Interface to FADCs & TDCs (Electrnc's)	26-Nov-08	16-Jan-09	6.00	$20,554	8.00	$0	$20,554	$0	31.00
1234110	Specify HV & Low Voltage Supplies (Electrnc's)	01-Oct-08	14-Oct-08	2.00	$25,692	10.00	$0	$25,692	$0	43.00
1234115	FY08 Exp Specify Discriminators & Logic for DAQ/Trigger Integration (Electrnc's)	26-Sep-08	30-Sep-08	0.60	$1,494	0.60	$0	$1,494	$0	41.60
1234115a	FY09 Exp Specify Discriminators & Logic for DAQ/Trigger Integration (Electrnc's)	01-Oct-08	23-Oct-08	3.40	$8,735	3.40	$0	$8,735	$0	41.60
1234159	Final Dsgn & Safty Assessmnt of Electrnc's	29-Apr-09	12-May-09	2.00	$0	0.00	$0	$0	$0	17.00
1234180M	Electrnc's Dsgn Rquirmnts Finalized++		01-Jun-09	0.00	$0	0.00	$0	$0	$0	17.00
12342005	Develop DAQ trigger and electronics integration (TDC)	02-Oct-06	01-Feb-07	15.80	$0	0.00	$0	$0	$0	39.80
12342005A	Develop DAQ trigger and electronics integration (TDC)	01-Feb-07	28-Sep-07	33.40	$0	0.00	$0	$0	$0	39.80
12342010	Develop clock distribution and synchronization (TDC) (IPL)	02-Oct-06	01-Feb-07	15.80	$3,886	2.16	$0	$3,886	$0	22.80
12342010A	Develop clock distribution and synchronization (TDC)	01-Feb-07	28-Sep-07	33.40	$0	0.00	$0	$0	$0	22.80
12343005	Develop plans for trigger integration (TRGR)	02-Oct-06	01-Feb-07	15.80	$0	2.85	$0	$0	$0	22.80
12343005A	Develop plans for trigger integration (TRGR)	01-Feb-07	28-Sep-07	33.40	$0	0.00	$0	$0	$0	22.80
12345005	Integrate electronics subsystems (HV)	02-Oct-06	01-Feb-07	15.80	$0	1.01	$0	$0	$0	90.80
12345005A	Integrate electronics subsystems (HV)	01-Feb-07	28-Sep-07	33.40	$0	0.00	$0	$0	$0	90.80
12345010	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$80,956	$80,956	$0	4.00
1545009EX	FY09 Travel (LOGIC, HV)	01-Oct-08	24-Dec-08	11.80	$0	0.00	$0	$304	$304	62.00
1.2.3.5 BEAMLINE		02-Oct-06	30-Aug-13	342.80	$401,888	330.55	($60,924)	$340,964	$0	4.00
1.2.3.5.1 TAGGER		02-Oct-06	30-Aug-13	342.80	$229,559	233.65	($56,556)	$173,003	$0	4.00
12351054	Final Dsgn & Safty Assessmnt of Tagger	20-Mar-09	02-Apr-09	2.00	$0	0.00	$0	$0	$0	22.60
12351055M	Tagger Dsgn Rquirmnts Finalized++		21-Apr-09	0.00	$0	0.00	$0	$0	$0	22.60
1.2.3.5.1.1 TAGGING MAGNET		02-Oct-06	30-Aug-13	342.80	$229,559	159.04	($56,556)	$173,003	$0	4.00
123511005	Develop design and procurement strategies (TAGMAG)	02-Oct-06	28-Sep-07	49.40	$0	0.00	$0	$0	$0	37.60
123511005A	Develop design and procurement strategies (TAGMAG)	02-Feb-07*	28-Sep-07	33.40	$40,918	20.76	$0	$40,918	$0	37.60
123511005L	Develop design and procurement strategies (TAGMAG)	02-Oct-06	01-Feb-07	15.80	$24,495	14.78	$0	$24,495	$0	37.80
123511010	Top Level Drawings of Quad, Two Dipoles & Vac Sys (TAG MAG)	11-Apr-07	13-Jun-07	9.00	$2,754	11.50	$0	$2,754	$0	37.60
123511015	Vertical Section through a Dipole Showing how Poleshoes & Yoke (TAG MAG)	14-Jun-07	16-Aug-07	9.00	$24,040	15.00	$0	$24,040	$0	37.60
123511020	Top view of a Dipole Showing bolt locations (TAG MAG)	17-Aug-07	19-Oct-07	9.00	$24,028	15.00	$0	$24,028	$0	37.60
123511025	Individual Drawings for Poleshoes (TAG MAG)	22-Oct-07	03-Jan-08	9.00	$24,533	15.00	$0	$24,533	$0	37.60
123511030	Drawings Showing All Different Types of Brackets (TAG MAG)	04-Jan-08	10-Mar-08	9.00	$24,533	15.00	$0	$24,533	$0	37.60
123511035	Layout of Vac Chamb (TAG MAG)	11-Mar-08	12-May-08	9.00	$24,533	15.00	$0	$24,533	$0	37.60
123511040	Drawings of Top & Bottom Lids, & Back-Wall of Vac Chamb (TAG MAG)	13-May-08	16-Jul-08	9.00	$24,533	15.00	$0	$24,533	$0	37.60
123511045	Drawings Showing Assy & Dis-assy of Mag (TAG MAG)	17-Jul-08	18-Sep-08	9.00	$7,498	11.00	$28,006	$35,503	$0	37.60
123511050	PROC Production of Drawings for Strong Back Supprt for Dipole Magnets. (TAG MAG)	19-Sep-08	20-Nov-08	9.00	$0	0.00	$26,623	$26,623	$0	37.60
123511050a	FY08 Exp Production of Drawings for Strong Back Supprt for Dipole Magnets. (TAG MAG)	19-Sep-08	30-Sep-08	1.60	$1,333	1.96	$0	$1,333	$0	37.60
123511050b	FY09 Exp Production of Drawings for Strong Back Supprt for Dipole Magnets. (TAG MAG)	01-Oct-08	20-Nov-08	7.40	$6,364	9.04	$0	$6,364	$0	37.60
123511055	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($111,185)	($111,185)	$0	4.00
1.2.3.5.1.2 HODOSCOPE		02-Oct-06	19-Mar-09	121.40	$0	74.61	$0	$0	$0	22.60
123512005	Develop design for the spectrometer hodoscope (HODO)	02-Oct-06	01-Feb-07	16.00	$0	12.61	$0	$0	$0	22.60
123512005A	Develop design for the spectrometer hodoscope (HODO)	02-Feb-07	28-Sep-07	33.40	$0	0.00	$0	$0	$0	22.60
123512010	Dsgn Light Guides for Microscope (HODO)	01-Oct-07	27-Nov-07	8.00	$0	8.00	$0	$0	$0	22.60
123512015	Dsgn Frame for Microscope (HODO)	28-Nov-07	01-Feb-08	8.00	$0	8.00	$0	$0	$0	22.60
123512020	Dsgn Frame for Fixed Array (HODO)	04-Feb-08	31-Mar-08	8.00	$0	8.00	$0	$0	$0	22.60
123512025	Dsgn Voltage Divider for Fixed Array PMT (HODO)	01-Apr-08	27-May-08	8.00	$0	8.00	$0	$0	$0	22.60
123512030	Dsgn Light Guides for Fixed Array (HODO)	28-May-08	23-Jul-08	8.00	$0	8.00	$0	$0	$0	22.60
123512035	Determine Assy Procedure for Fixed Array (HODO)	24-Jul-08	18-Sep-08	8.00	$0	8.00	$0	$0	$0	22.60
123512040	Dsgn Alignment for Microscope (HODO)	19-Sep-08	13-Nov-08	8.00	$0	7.00	$0	$0	$0	22.60
123512045	Dsgn Cable Layout for Microscope (HODO)	14-Nov-08	21-Jan-09	8.00	$0	3.00	$0	$0	$0	22.60
123512050	Dsgn Cable Layout for Fixed Array (HODO)	22-Jan-09	19-Mar-09	8.00	$0	4.00	$0	$0	$0	22.60
1.2.3.5.3 BEAMLINE COMPONENTS		02-Oct-06	30-Aug-13	342.80	$172,329	96.90	($4,368)	$167,961	$0	4.00
12353005	Develop design for active collimator (BL COMPONENTS)	02-Oct-06	01-Feb-07	15.80	$0	2.90	$0	$0	$0	18.60
12353005A	Develop design for active collimator (BL COMPONENTS)	02-Feb-07*	04-Mar-08	53.60	$3,042	8.00	$0	$3,042	$0	18.40
12353010	Dsgn Active Collimator (BL Compnts)	04-Sep-07	28-Nov-07	12.00	$0	12.20	$0	$0	$0	18.40
12353015	Dsgn Photon Monitor (BL Compnts)	29-Nov-07	04-Mar-08	12.00	$2,936	7.80	$0	$2,936	$0	18.40



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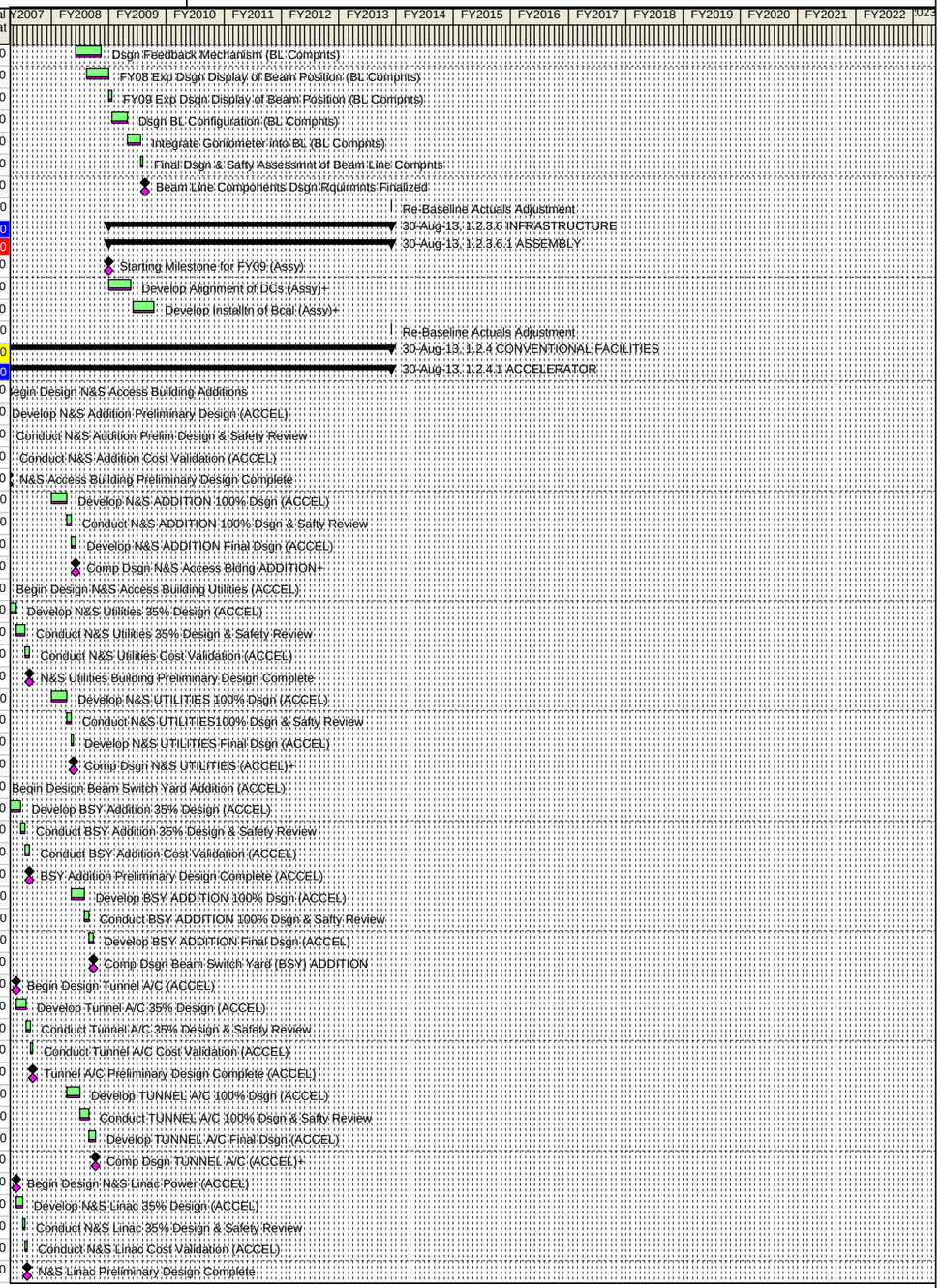
Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
12353020	Dsgn Feedback Mechanism (BL Compnts)	05-Mar-08	07-Aug-08	22.00	$54,798	22.00	$0	$54,798	$0	18.40
12353025	FY08 Exp Dsgn Display of Beam Position (BL Compnts)	14-May-08	30-Sep-08	19.40	$48,322	19.40	$0	$48,322	$0	18.40
12353025a	FY09 Exp Dsgn Display of Beam Position (BL Compnts)	01-Oct-08	17-Oct-08	2.60	$6,683	2.60	$0	$6,683	$0	18.40
12353030	Dsgn BL Configuration (BL Compnts)	20-Oct-08	22-Jan-09	12.00	$28,274	11.00	$0	$28,274	$0	18.40
12353035	Integrate Goniometer into BL (BL Compnts)	23-Jan-09	17-Apr-09	12.00	$28,274	11.00	$0	$28,274	$0	18.40
12353040	Final Dsgn & Safty Assessmnt of Beam Line Compnts	20-Apr-09	01-May-09	2.00	$0	0.00	$0	$0	$0	18.40
12353045M	Beam Line Components Dsgn Rquirmnts Finalized		20-May-09	0.00	$0	0.00	$0	$0	$0	18.40
12353050	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($4,368)	($4,368)	$0	4.00
1.2.3.6 INFRASTRUCTURE		01-Oct-08	30-Aug-13	243.80	$35,596	22.00	($1,986)	$33,610	$0	4.00
1.2.3.6.1 ASSEMBLY		01-Oct-08	30-Aug-13	243.80	$35,596	22.00	($1,986)	$33,610	$0	4.00
12361000M	Starting Milestone for FY09 (Assy)	01-Oct-08		0.00	$0	0.00	$0	$0	$0	11.60
12361005	Develop Alignment of DCs (Assy)+	01-Oct-08	17-Feb-09	18.00	$17,798	11.00	$0	$17,798	$0	31.60
12361010	Develop Installtn of Bcal (Assy)+	04-Mar-09	09-Jul-09	18.00	$17,798	11.00	$0	$17,798	$0	11.60
12361015	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($1,986)	($1,986)	$0	4.00
1.2.4 CONVENTIONAL FACILITIES		02-Oct-06	30-Aug-13	342.80	$478,317	206.69	$608,231	$1,108,515	$21,966	4.00
1.2.4.1 ACCELERATOR		02-Oct-06	30-Aug-13	342.80	$243,977	108.00	$119,529	$385,473	$21,966	4.00
1241000M	Begin Design N&S Access Building Additions	02-Oct-06		0.00	$0	0.00	$0	$0	$0	28.00
1241005	Develop N&S Addition Preliminary Design (ACCEL)	02-Oct-06	10-Nov-06	6.00	$2,502	1.00	$0	$2,502	$0	28.00
1241010	Conduct N&S Addition Prelim Design & Safety Review	13-Nov-06	12-Dec-06	4.00	$5,003	2.00	$0	$5,003	$0	28.00
1241015	Conduct N&S Addition Cost Validation (ACCEL)	13-Dec-06	03-Jan-07	2.00	$0	0.00	$0	$0	$0	49.00
1241016M	N&S Access Building Preliminary Design Complete		03-Jan-07	0.00	$0	0.00	$0	$0	$0	49.00
1241020	Develop N&S ADDITION 100% Dsgn (ACCEL)	01-Oct-07	03-Jan-08	12.00	$31,993	15.00	$0	$33,056	$1,063	5.20
1241025	Conduct N&S ADDITION 100% Dsgn & Safty Review	04-Jan-08	01-Feb-08	4.00	$4,956	2.00	$0	$4,956	$0	5.20
1241030	Develop N&S ADDITION Final Dsgn (ACCEL)	04-Feb-08	03-Mar-08	4.00	$4,956	2.00	$0	$4,956	$0	21.20
1241035M	Comp Dsgn N&S Access Bldng ADDITION+		03-Mar-08	0.00	$0	0.00	$0	$0	$0	79.20
1241040M	Begin Design N&S Access Building Utilities (ACCEL)	13-Dec-06		0.00	$0	0.00	$0	$0	$0	28.00
1241045	Develop N&S Utilities 35% Design (ACCEL)	13-Dec-06	15-Feb-07	8.00	$19,876	10.00	$0	$19,876	$0	28.00
1241050	Conduct N&S Utilities 35% Design & Safety Review	16-Feb-07	13-Apr-07	8.00	$4,984	2.00	$0	$4,984	$0	31.00
1241055	Conduct N&S Utilities Cost Validation (ACCEL)	16-Apr-07	11-May-07	4.00	$0	0.00	$0	$3,095	$3,095	31.00
1241056M	N&S Utilities Building Preliminary Design Complete		11-May-07	0.00	$0	0.00	$0	$0	$0	31.00
1241060	Develop N&S UTILITIES 100% Dsgn (ACCEL)	01-Oct-07	03-Jan-08	12.00	$30,955	14.00	$0	$34,154	$3,199	3.20
1241065	Conduct N&S UTILITIES100% Dsgn & Safty Review	04-Jan-08	01-Feb-08	4.00	$2,474	1.00	$0	$2,474	$0	23.20
1241070	Develop N&S UTILITIES Final Dsgn (ACCEL)	04-Feb-08	15-Feb-08	2.00	$2,474	1.00	$0	$2,474	$0	23.20
1241075M	Comp Dsgn N&S UTILITIES (ACCEL)+		15-Feb-08	0.00	$0	0.00	$0	$0	$0	31.60
1241080M	Begin Design Beam Switch Yard Addition (ACCEL)	13-Nov-06		0.00	$0	0.00	$0	$0	$0	31.00
1241085	Develop BSY Addition 35% Design (ACCEL)	13-Nov-06	16-Mar-07	16.00	$24,288	10.00	$0	$24,288	$0	31.00
1241090	Conduct BSY Addition 35% Design & Safety Review	19-Mar-07	13-Apr-07	4.00	$4,965	2.00	$0	$4,965	$0	31.00
1241095	Conduct BSY Addition Cost Validation (ACCEL)	16-Apr-07	11-May-07	4.00	$0	0.00	$0	$3,095	$3,095	31.00
1241096M	BSY Addition Preliminary Design Complete (ACCEL)		11-May-07	0.00	$0	0.00	$0	$0	$0	31.00
1241100	Develop BSY ADDITION 100% Dsgn (ACCEL)	04-Feb-08	28-Apr-08	12.00	$29,520	14.00	$0	$31,645	$2,126	5.20
1241105	Conduct BSY ADDITION 100% Dsgn & Safty Review	29-Apr-08	27-May-08	4.00	$2,478	1.00	$0	$2,478	$0	5.20
1241110	Develop BSY ADDITION Final Dsgn (ACCEL)	28-May-08	24-Jun-08	4.00	$2,478	1.00	$0	$2,478	$0	5.20
1241115M	Comp Dsgn Beam Switch Yard (BSY) ADDITION		24-Jun-08	0.00	$0	0.00	$0	$0	$0	13.60
1241120M	Begin Design Tunnel A/C (ACCEL)	16-Feb-07		0.00	$0	0.00	$0	$0	$0	28.00
1241125	Develop Tunnel A/C 35% Design (ACCEL)	16-Feb-07	20-Apr-07	9.00	$11,720	5.00	$0	$11,720	$0	28.00
1241130	Conduct Tunnel A/C 35% Design & Safety Review	23-Apr-07	18-May-07	4.00	$2,463	1.00	$0	$2,463	$0	28.00
1241135	Conduct Tunnel A/C Cost Validation (ACCEL)	21-May-07	04-Jun-07	2.00	$0	0.00	$0	$3,095	$3,095	28.00
1241136M	Tunnel A/C Preliminary Design Complete (ACCEL)		04-Jun-07	0.00	$0	0.00	$0	$0	$0	28.00
1241140	Develop TUNNEL A/C 100% Dsgn (ACCEL)	04-Jan-08	31-Mar-08	12.00	$18,354	8.00	$0	$20,480	$2,126	3.20
1241145	Conduct TUNNEL A/C 100% Dsgn & Safty Review	01-Apr-08	27-May-08	8.00	$2,474	1.00	$0	$2,474	$0	3.20
1241150	Develop TUNNEL A/C Final Dsgn (ACCEL)	28-May-08	09-Jul-08	6.00	$2,474	1.00	$0	$2,474	$0	3.20
1241155M	Comp Dsgn TUNNEL A/C (ACCEL)+		09-Jul-08	0.00	$0	0.00	$0	$0	$0	11.60
1241160M	Begin Design N&S Linac Power (ACCEL)	16-Feb-07		0.00	$0	0.00	$0	$0	$0	33.00
1241165	Develop N&S Linac 35% Design (ACCEL)	16-Feb-07	30-Mar-07	6.00	$7,505	3.00	$0	$7,505	$0	33.00
1241170	Conduct N&S Linac 35% Design & Safety Review	02-Apr-07	13-Apr-07	2.00	$2,463	1.00	$0	$2,463	$0	33.00
1241175	Conduct N&S Linac Cost Validation (ACCEL)	16-Apr-07	27-Apr-07	2.00	$0	0.00	$0	$3,095	$3,095	33.00
1241176M	N&S Linac Preliminary Design Complete		27-Apr-07	0.00	$0	0.00	$0	$0	$0	33.00



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Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
1241180	Develop N&S LINAC 100% Dsgn (ACCEL)	28-Nov-07	03-Mar-08	12.00	$17,644	8.00	$0	$18,717	$1,073	5.20
1241185	Conduct N&S LINAC 100% Dsgn & Safty Review	04-Mar-08	28-Apr-08	8.00	$2,490	1.00	$0	$2,490	$0	5.20
1241190	Develop N&S LINAC Final Dsgn (ACCEL)	29-Apr-08	24-Jun-08	8.00	$2,490	1.00	$0	$2,490	$0	5.20
1241195M	Comp Dsgn N&S LINAC Pwr (ACCEL)++		24-Jun-08	0.00	$0	0.00	$0	$0	$0	13.60
1241200	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$119,529	$119,529	$0	4.00
1.2.4.2 CHL		02-Oct-06	30-Aug-13	342.80	$55,296	22.69	$54,431	$109,726	$0	4.00
1242005M	Begin Design CHL Addition (CHL)	02-Oct-06		0.00	$0	0.00	$0	$0	$0	62.60
1242010	Develop CHL 60% Design (CHL)	02-Oct-06	28-Nov-06	8.00	$0	0.00	$0	$0	$0	62.60
1242015	Conduct CHL 60% Design & Safety Review	29-Nov-06	19-Dec-06	3.00	$15,010	6.00	$0	$15,010	$0	62.60
1242015M	60% Design CHL Complete		19-Dec-06	0.00	$0	0.00	$0	$0	$0	62.60
1242020	Develop CHL 100% Design (CHL)	20-Dec-06	02-Mar-07	9.00	$0	0.00	$61,920	$61,920	$0	62.60
1242025	Conduct CHL 100% Design & Safety Review	05-Mar-07	30-Mar-07	4.00	$30,019	12.00	$0	$30,019	$0	62.60
1242025M	100% Design CHL Complete		30-Mar-07	0.00	$0	0.00	$0	$0	$0	62.60
1242030	Develop CHL Final Design (CHL)	02-Apr-07	13-Apr-07	2.00	$0	0.00	$20,640	$20,640	$0	62.60
1242035	Conduct CHL Final Design & Safety Review	16-Apr-07	27-Apr-07	2.00	$5,956	3.00	$0	$5,956	$0	62.60
1242040M	Complete Design CHL Addition (CHL)		27-Apr-07	0.00	$0	0.00	$0	$0	$0	62.60
1242045	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($28,129)	($28,129)	$0	4.00
1621000MX	CHL Addition Begin Proc Prep	01-Oct-08		0.00	$0	0.00	$0	$0	$0	14.40
1621005X	Prcrmnt Prep for CHL Addition to Award Contract	01-Oct-08	24-Dec-08	11.80	$4,311	1.69	$0	$4,311	$0	14.40
1.2.4.3 HALL D		02-Oct-06	30-Aug-13	342.80	$179,045	76.00	$434,271	$613,316	$0	4.00
1243005M	Begin Definitive Design Hall D Complex	02-Oct-06		0.00	$0	0.00	$0	$0	$0	3.00
1243010	Develop Hall D 60% Design (HALL D)	02-Oct-06	05-Dec-06	9.00	$0	0.00	$69,712	$69,712	$0	3.00
1243015	Conduct Hall D 60% Design & Safety Review	06-Dec-06	18-Jan-07	5.00	$65,634	28.00	$0	$65,634	$0	3.00
1243015M	60% Design Hall D Complete		18-Jan-07	0.00	$0	0.00	$0	$0	$0	3.00
1243018	Independent Cost Validation	23-Apr-07	20-Jun-07	8.40	$0	0.00	$37,000	$37,000	$0	18.60
1243020	Develop Hall D 100% Design (HALL D)	21-May-07	14-Aug-07	12.00	$0	0.00	$80,000	$80,000	$0	3.00
1243021	Develop Hall D Civil Commissioning Plan	21-May-07	14-Aug-07	12.00	$0	0.00	$20,000	$20,000	$0	3.00
1243025	Conduct Hall D 100% Design & Safety Review	15-Aug-07	10-Oct-07	8.00	$41,085	17.00	$36,000	$77,085	$0	3.00
1243025M	100% Design Hall D Complete		10-Oct-07	0.00	$0	0.00	$0	$0	$0	3.00
1243030	Develop Hall D Final Design (HALL D)	11-Oct-07	07-Nov-07	4.00	$0	0.00	$68,155	$68,155	$0	3.00
1243035	Conduct Hall D Final Design & Safety Review	08-Nov-07	30-Nov-07	3.00	$14,868	6.00	$0	$14,868	$0	3.00
1243040M	Complete Design Hall D Complete (HALL D)		30-Nov-07	0.00	$0	0.00	$0	$0	$0	3.00
1243045	Obtain Permit to Dispose of Dewater Effleuent (HALL D)+	03-Dec-07	17-Apr-08	18.00	$9,912	4.00	$30,957	$40,869	$0	51.20
1243050	PROC Procurement Prep to Award Hall D Contract	02-Jan-08	07-Oct-08	39.00	$0	0.00	$25,798	$25,798	$0	27.20
1243050a	FY08 Exp Procurement Prep to Award Hall D Contract	02-Jan-08	30-Sep-08	38.00	$33,840	13.64	$0	$33,840	$0	27.20
1243050b	FY09 Exp Procurement Prep to Award Hall D Contract	01-Oct-08	07-Oct-08	1.00	$919	0.36	$0	$919	$0	27.20
1243055	Hall D Survey Network	04-Aug-08	29-Aug-08	4.00	$12,787	7.00	$6,000	$18,787	$0	32.40
1243060	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$60,650	$60,650	$0	4.00
1.2.5 PROJECT MANAGEMENT		02-Oct-06	30-Aug-13	342.80	$2,327,261	725.64	($302,406)	$2,341,995	$317,141	4.00
1.2.5.1 PED PROJECT MANAGEMENT PROJECT OFFICE (DIR, PM, APM'S)		02-Oct-06	30-Aug-13	342.80	$1,954,348	580.41	($258,656)	$1,937,514	$241,822	4.00
1251006RKC	FY06 Obligations RKC	02-Oct-06	30-Mar-07	24.00	$0	0.00	$0	$6,144	$6,144	66.60
1251007LOE	FY07 Project Management Project Office	02-Oct-06	28-Sep-07	49.40	$824,920	238.00	$0	$914,700	$89,780	0.20
1251908LOE	FY08 PED Proj Office Proj Mngmnt P-1	01-Oct-07	30-Apr-08	28.40	$562,401	161.93	$0	$629,473	$67,073	0.20
1251908LOEB	FY08 PED Proj Office Proj Mngmnt P-2	01-May-08	30-Sep-08	21.20	$264,515	87.23	$0	$314,583	$50,068	0.20
1251910	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($258,656)	($258,656)	$0	4.00
171909LOEX	FY09 Constrctn Proj Office Proj Mngmnt	01-Oct-08	24-Dec-08	11.80	$302,513	93.26	$0	$331,270	$28,757	4.00
1.2.5.2 PED PROJECT MANAGEMENT PROJECT OFFICE (OPM STAFF)		02-Oct-06	30-Aug-13	342.80	$372,913	145.23	($43,750)	$404,481	$75,319	4.00
1252007LOE	FY07 Project Management Project Office	02-Oct-06	28-Sep-07	49.40	$172,330	66.00	$0	$216,710	$44,380	4.00
1252010	PREP for OECM EVMS Contractor Certification Review	17-Sep-07	09-Nov-07	8.00	$0	0.00	$0	$0	$0	6.20
1252015	OECM EVMS Contractor Certification REVIEW	03-Dec-07	07-Dec-07	1.00	$0	0.00	$0	$0	$0	6.20
1252908LOE	FY08 PED OPM Proj Mngmnt P-1	01-Oct-07	15-Apr-08	26.20	$200,583	79.23	$0	$231,521	$30,939	4.00
1252908LOEB	FY08 PED OPM Proj Mngmnt P-2	16-Apr-08	30-Sep-08	23.40	$0	0.00	$0	$0	$0	4.00
1252910	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($43,750)	($43,750)	$0	4.00
1.2.6 ACCELERATOR SYSTEMS COMMISSIONING PLANNING		01-Nov-06	30-Aug-13	338.40	$127,443	51.85	($69,125)	$58,318	$0	4.00
126000M	Start Milestone for Commissioning PED (ACC SYS COMMIS PLNNG)	01-Nov-06		0.00	$0	0.00	$0	$0	$0	55.60
126005	Develop draft commissioning plan for EIR (ACC SYS COMMIS PLNNG)	01-Nov-06	15-May-07	26.00	$8,913	3.48	$0	$8,913	$0	55.60
126010	Preliminary Design & Safety Review for Commissioning Plan (ACC SYS COMMIS PLNNG)	16-May-07	16-May-07	0.20	$22,554	8.87	$0	$22,554	$0	55.60
126015	Post-review development of Commissioning Plan (ACC SYS COMMIS PLNNG)	17-May-07	31-May-07	2.00	$1,769	0.70	$0	$1,769	$0	55.60

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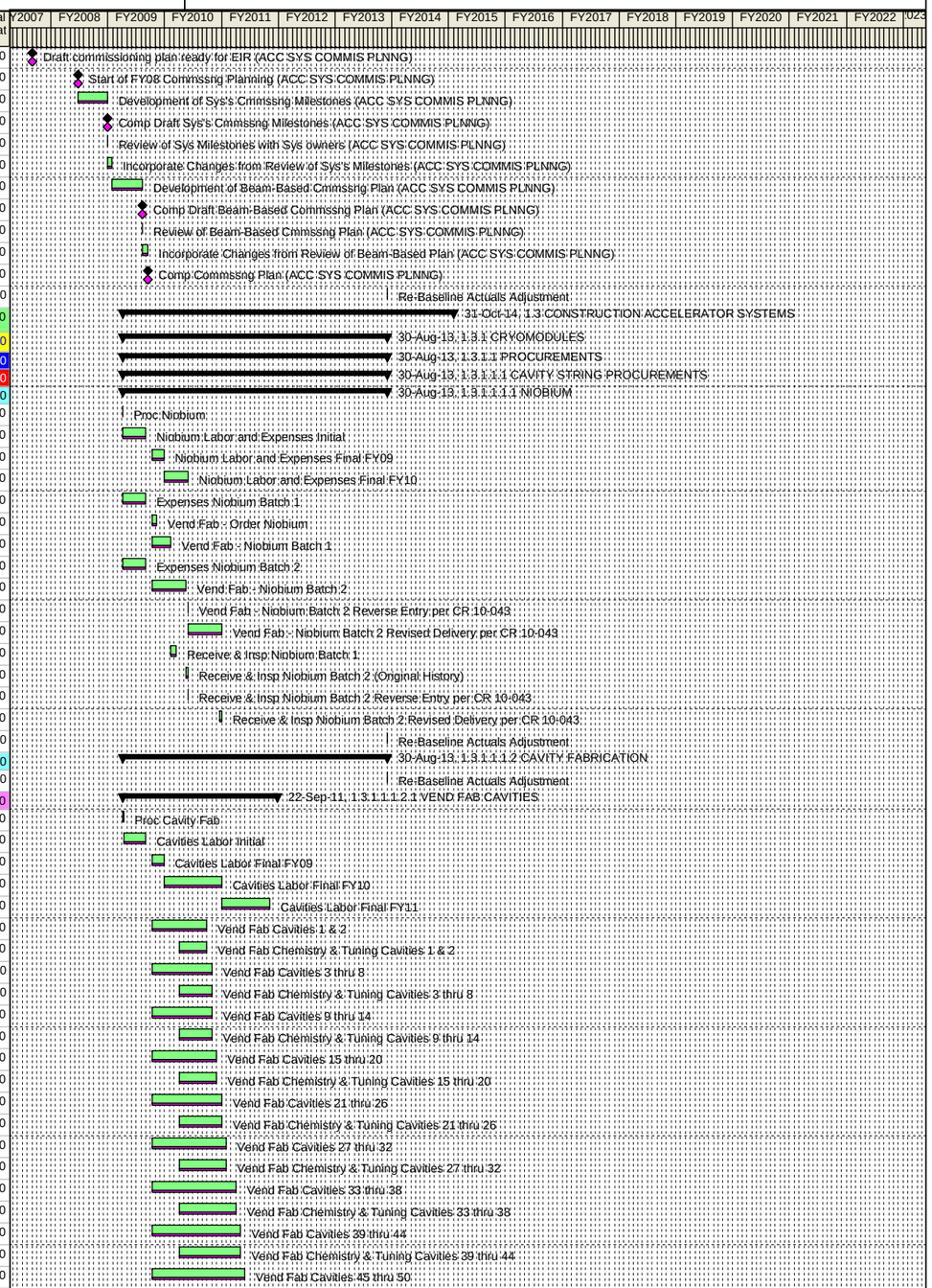
Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
126020M	Draft commissioning plan ready for EIR (ACC SYS COMMIS PLNNG)		31-May-07	0.00	$0	0.00	$0	$0	$0	55.60
126025M	Start of FY08 Commssng Planning (ACC SYS COMMIS PLNNG)	27-Mar-08		0.00	$0	0.00	$0	$0	$0	15.40
126030	Development of Sys's Cmmssng Milestones (ACC SYS COMMIS PLNNG)	27-Mar-08	29-Sep-08	26.00	$26,200	11.00	$0	$26,200	$0	15.40
126035M	Comp Draft Sys's Cmmssng Milestones (ACC SYS COMMIS PLNNG)		29-Sep-08	0.00	$0	0.00	$0	$0	$0	15.40
126040	Review of Sys Milestones with Sys owners (ACC SYS COMMIS PLNNG)	30-Sep-08	30-Sep-08	0.20	$4,763	2.00	$0	$4,763	$0	15.40
126045	Incorporate Changes from Review of Sys's Milestones (ACC SYS COMMIS PLNNG)	01-Oct-08	28-Oct-08	4.00	$9,849	4.00	$0	$9,849	$0	15.40
126060	Development of Beam-Based Cmmssng Plan (ACC SYS COMMIS PLNNG)	29-Oct-08	12-May-09	26.00	$41,535	17.00	$0	$41,535	$0	15.40
126065M	Comp Draft Beam-Based Commssng Plan (ACC SYS COMMIS PLNNG)		12-May-09	0.00	$0	0.00	$0	$0	$0	15.40
126070	Review of Beam-Based Cmmssng Plan (ACC SYS COMMIS PLNNG)	13-May-09	13-May-09	0.20	$2,011	0.80	$0	$2,011	$0	15.40
126075	Incorporate Changes from Review of Beam-Based Plan (ACC SYS COMMIS PLNNG)	14-May-09	11-Jun-09	4.00	$9,849	4.00	$0	$9,849	$0	15.40
126080M	Comp Commssng Plan (ACC SYS COMMIS PLNNG)		11-Jun-09	0.00	$0	0.00	$0	$0	$0	15.40
126085	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($69,125)	($69,125)	$0	4.00
1.3 CONSTRUCTION ACCELERATOR SYSTEMS		02-Jan-09	31-Oct-14	290.20	$25,736,250	12149.97	$69,356,587	$97,898,810	$2,805,972	56.40
1.3.1 CRYOMODULES		02-Jan-09	30-Aug-13	232.00	$6,016,799	2890.04	$17,516,352	$24,459,894	$926,742	6.00
1.3.1.1 PROCUREMENTS		02-Jan-09	30-Aug-13	232.00	$1,904,889	868.80	$17,726,694	$19,982,912	$351,329	4.00
1.3.1.1.1 CAVITY STRING PROCUREMENTS		05-Jan-09	30-Aug-13	231.80	$1,059,916	471.67	$8,668,188	$9,804,493	$76,390	4.00
1.3.1.1.1.1 NIOBIUM		05-Jan-09	30-Aug-13	231.80	$129,067	53.40	$2,598,689	$2,743,651	$15,896	4.00
131111010	Proc Niobium	05-Jan-09	05-Jan-09	0.20	$2,778	1.40	$0	$2,778	$0	105.40
131111011	Niobium Labor and Expenses Initial	06-Jan-09	29-May-09	20.20	$26,445	9.60	$0	$28,932	$2,487	105.40
131111011L	Niobium Labor and Expenses Final FY09	15-Jul-09	30-Sep-09	11.00	$2,313	0.85	$0	$2,828	$514	105.40
131111011L	Niobium Labor and Expenses Final FY10	01-Oct-09	03-Mar-10	20.00	$4,337	1.55	$0	$5,302	$965	105.40
131111012	Expenses Niobium Batch 1	06-Jan-09	29-May-09	20.20	$0	0.00	$0	$2,295	$2,295	142.60
131111012A	Vend Fab - Order Niobium	15-Jul-09	10-Aug-09	3.80	$0	0.00	$355,042	$355,042	$0	132.60
131111012B	Vend Fab - Niobium Batch 1	15-Jul-09	11-Nov-09	17.00	$0	0.00	$634,004	$634,004	$0	115.40
131111013	Expenses Niobium Batch 2	06-Jan-09	29-May-09	20.20	$0	0.00	$0	$2,295	$2,295	142.60
131111013A	Vend Fab - Niobium Batch 2	15-Jul-09	11-Feb-10	28.40	$0	0.00	$1,546,970	$1,546,970	$0	106.00
131111013B	Vend Fab - Niobium Batch 2 Reverse Entry per CR 10-043	01-Mar-10	01-Mar-10	0.20	$0	0.00	($1,546,970)	($1,546,970)	$0	105.60
131111013C	Vend Fab - Niobium Batch 2 Revised Delivery per CR 10-043	01-Mar-10	30-Sep-10	30.20	$0	0.00	$1,546,970	$1,546,970	$0	75.80
131111015	Receive & Insp Niobium Batch 1	12-Nov-09	11-Dec-09	4.00	$55,477	21.00	$0	$60,015	$4,538	115.40
131111020	Receive & Insp Niobium Batch 2 (Original History)	12-Feb-10	26-Feb-10	2.00	$18,858	9.50	$0	$20,259	$1,401	106.00
131111020A	Receive & Insp Niobium Batch 2 Reverse Entry per CR 10-043	02-Mar-10	02-Mar-10	0.20	($18,858)	-9.50	$0	($20,259)	($1,401)	105.60
131111020B	Receive & Insp Niobium Batch 2 Revised Delivery per CR 10-043	17-Sep-10	30-Sep-10	2.00	$37,716	19.00	$0	$40,518	$2,802	75.80
131111025	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$62,672	$62,672	$0	4.00
1.3.1.1.1.2 CAVITY FABRICATION		05-Jan-09	30-Aug-13	231.80	$518,070	226.35	$4,402,371	$4,943,733	$23,292	4.00
131112000	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$21,000	$21,000	$0	4.00
1.3.1.1.1.2.1 VEND FAB CAVITIES		05-Jan-09	22-Sep-11	135.60	$79,262	29.60	$4,381,371	$4,460,633	$0	27.40
1311121010	Proc Cavity Fab	05-Jan-09	09-Jan-09	1.00	$4,306	2.00	$0	$4,306	$0	33.80
1311121015	Cavities Labor Initial	12-Jan-09	29-May-09	19.40	$19,865	7.55	$0	$19,865	$0	33.80
131112101!	Cavities Labor Final FY09	15-Jul-09	30-Sep-09	11.00	$2,143	0.80	$0	$2,143	$0	33.80
131112101!	Cavities Labor Final FY10	01-Oct-09	30-Sep-10	49.60	$9,970	3.60	$0	$9,970	$0	33.80
131112101!	Cavities Labor Final FY11	01-Oct-10	08-Aug-11	42.00	$8,711	3.05	$0	$8,711	$0	33.80
1311121016	Vend Fab Cavities 1 & 2	15-Jul-09	30-Jun-10	47.80	$0	0.00	$83,288	$83,288	$0	10.60
1311121017	Vend Fab Chemistry & Tuning Cavities 1 & 2	04-Jan-10	30-Jun-10	25.00	$0	0.00	$17,442	$17,442	$0	10.60
1311121020	Vend Fab Cavities 3 thru 8	15-Jul-09	30-Jul-10	52.00	$0	0.00	$249,864	$249,864	$0	8.00
1311121021	Vend Fab Chemistry & Tuning Cavities 3 thru 8	04-Jan-10	30-Jul-10	29.20	$0	0.00	$52,325	$52,325	$0	8.00
1311121025	Vend Fab Cavities 9 thru 14	15-Jul-09	30-Jul-10	52.00	$0	0.00	$249,864	$249,864	$0	16.00
1311121026	Vend Fab Chemistry & Tuning Cavities 9 thru 14	04-Jan-10	30-Jul-10	29.20	$0	0.00	$52,325	$52,325	$0	16.00
1311121030	Vend Fab Cavities 15 thru 20	15-Jul-09	31-Aug-10	56.40	$0	0.00	$249,864	$249,864	$0	14.60
1311121031	Vend Fab Chemistry & Tuning Cavities 15 thru 20	04-Jan-10	31-Aug-10	33.60	$0	0.00	$52,325	$52,325	$0	14.60
1311121035	Vend Fab Cavities 21 thru 26	15-Jul-09	30-Sep-10	60.60	$0	0.00	$249,864	$249,864	$0	27.60
1311121036	Vend Fab Chemistry & Tuning Cavities 21 thru 26	04-Jan-10	30-Sep-10	37.80	$0	0.00	$52,325	$52,325	$0	27.60
1311121040	Vend Fab Cavities 27 thru 32	15-Jul-09	29-Oct-10	64.80	$0	0.00	$249,864	$249,864	$0	26.80
1311121041	Vend Fab Chemistry & Tuning Cavities 27 thru 32	04-Jan-10	29-Oct-10	42.00	$0	0.00	$52,325	$52,325	$0	26.80
1311121045	Vend Fab Cavities 33 thru 38	15-Jul-09	30-Dec-10	72.20	$0	0.00	$249,864	$249,864	$0	26.00
1311121046	Vend Fab Chemistry & Tuning Cavities 33 thru 38	04-Jan-10	30-Dec-10	49.40	$0	0.00	$52,325	$52,325	$0	26.00
1311121050	Vend Fab Cavities 39 thru 44	15-Jul-09	31-Jan-11	76.20	$0	0.00	$249,864	$249,864	$0	25.80
1311121051	Vend Fab Chemistry & Tuning Cavities 39 thru 44	04-Jan-10	31-Jan-11	53.40	$0	0.00	$52,325	$52,325	$0	25.80
1311121055	Vend Fab Cavities 45 thru 50	15-Jul-09	28-Feb-11	80.00	$0	0.00	$249,864	$249,864	$0	21.80



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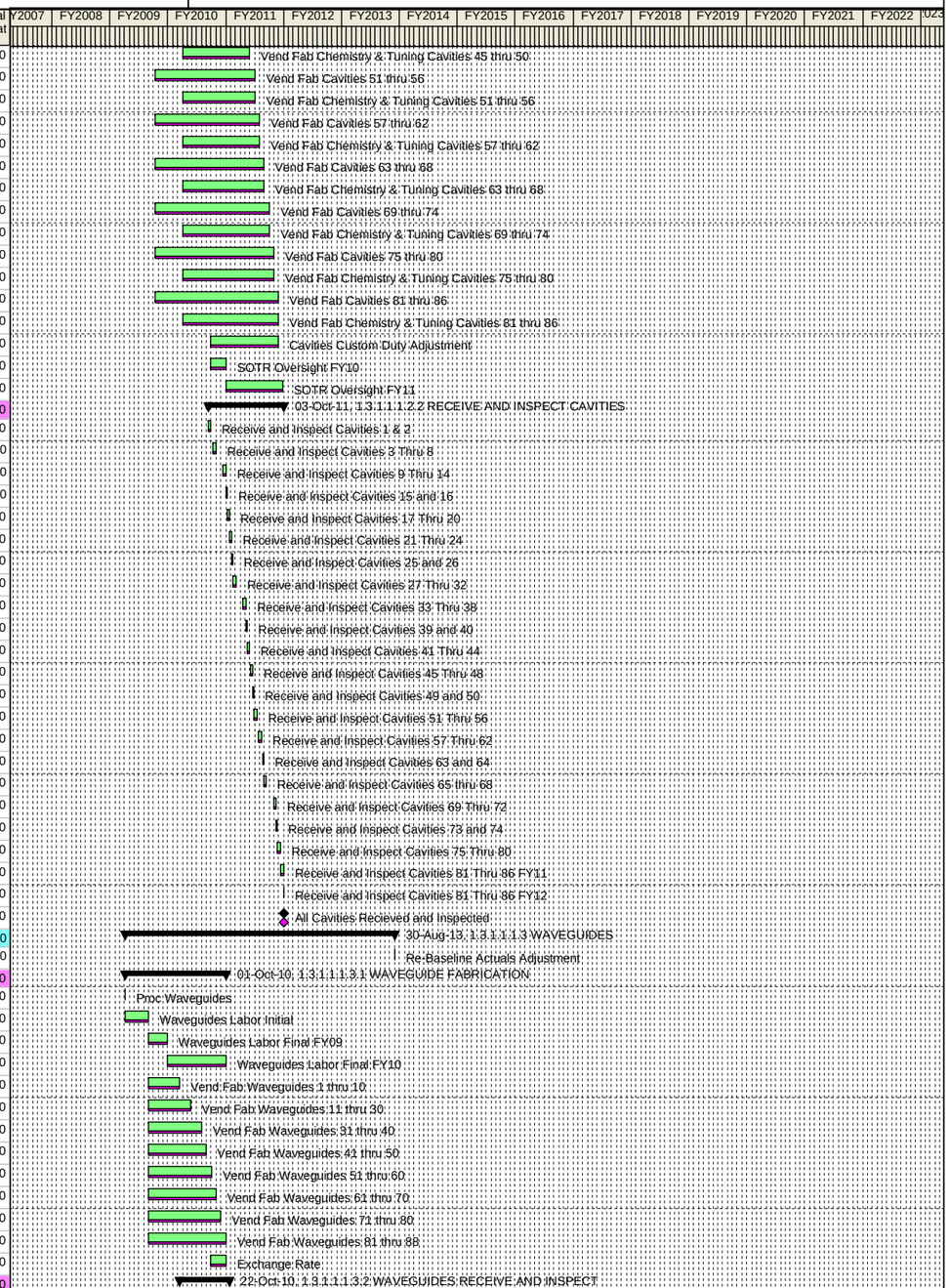
Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
1311121056	Vend Fab Chemistry & Tuning Cavities 45 thru 50	04-Jan-10	28-Feb-11	57.20	$0	0.00	$52,325	$52,325	$0	21.80
1311121060	Vend Fab Cavities 51 thru 56	15-Jul-09	31-Mar-11	84.60	$0	0.00	$249,864	$249,864	$0	22.20
1311121061	Vend Fab Chemistry & Tuning Cavities 51 thru 56	04-Jan-10	31-Mar-11	61.80	$0	0.00	$52,325	$52,325	$0	22.20
1311121065	Vend Fab Cavities 57 thru 62	15-Jul-09	29-Apr-11	88.80	$0	0.00	$249,864	$249,864	$0	22.00
1311121066	Vend Fab Chemistry & Tuning Cavities 57 thru 62	04-Jan-10	29-Apr-11	66.00	$0	0.00	$52,325	$52,325	$0	22.00
1311121070	Vend Fab Cavities 63 thru 68	15-Jul-09	31-May-11	93.00	$0	0.00	$249,864	$249,864	$0	21.00
1311121071	Vend Fab Chemistry & Tuning Cavities 63 thru 68	04-Jan-10	31-May-11	70.20	$0	0.00	$52,325	$52,325	$0	21.00
1311121075	Vend Fab Cavities 69 thru 74	15-Jul-09	30-Jun-11	97.40	$0	0.00	$249,864	$249,864	$0	24.60
1311121076	Vend Fab Chemistry & Tuning Cavities 69 thru 74	04-Jan-10	30-Jun-11	74.60	$0	0.00	$52,325	$52,325	$0	24.60
1311121080	Vend Fab Cavities 75 thru 80	15-Jul-09	29-Jul-11	101.40	$0	0.00	$249,864	$249,864	$0	23.80
1311121081	Vend Fab Chemistry & Tuning Cavities 75 thru 80	04-Jan-10	29-Jul-11	78.60	$0	0.00	$52,325	$52,325	$0	23.80
1311121085	Vend Fab Cavities 81 thru 86	15-Jul-09	31-Aug-11	106.00	$0	0.00	$249,864	$249,864	$0	22.20
1311121086	Vend Fab Chemistry & Tuning Cavities 81 thru 86	04-Jan-10	31-Aug-11	83.20	$0	0.00	$52,325	$52,325	$0	22.20
1311121091	Cavities Custom Duty Adjustment	01-Jul-10	31-Aug-11	58.20	$0	0.00	$50,000	$50,000	$0	21.00
131112109	SOTR Oversight FY10	01-Jul-10	30-Sep-10	12.80	$6,896	2.60	$0	$6,896	$0	27.40
131112110	SOTR Oversight FY11	01-Oct-10	22-Sep-11	48.40	$27,372	10.00	$0	$27,372	$0	27.40
1.3.1.1.1.2.2	**RECEIVE AND INSPECT CAVITIES**	11-Jun-10	03-Oct-11	65.40	$438,808	196.75	$0	$462,100	$23,292	26.00
1311122005	Receive and Inspect Cavities 1 & 2	11-Jun-10	24-Jun-10	2.00	$15,603	6.80	$0	$16,119	$515	10.60
1311122010	Receive and Inspect Cavities 3 Thru 8	15-Jul-10	04-Aug-10	3.00	$41,137	18.45	$0	$42,683	$1,546	8.00
1311122015	Receive and Inspect Cavities 9 Thru 14	10-Sep-10	30-Sep-10	3.00	$34,712	15.45	$0	$36,259	$1,546	7.40
1311122020	Receive and Inspect Cavities 15 and 16	01-Oct-10	07-Oct-10	1.00	$11,940	5.15	$0	$12,472	$532	7.40
1311122022	Receive and Inspect Cavities 17 Thru 20	08-Oct-10	21-Oct-10	2.00	$23,463	10.30	$0	$24,527	$1,064	21.40
1311122025	Receive and Inspect Cavities 21 Thru 24	22-Oct-10	04-Nov-10	2.00	$21,273	9.80	$0	$22,337	$1,064	21.40
1311122027	Receive and Inspect Cavities 25 and 26	05-Nov-10	11-Nov-10	1.00	$10,149	4.47	$0	$10,681	$532	21.60
1311122030	Receive and Inspect Cavities 27 Thru 32	12-Nov-10	06-Dec-10	3.00	$30,446	13.43	$0	$32,042	$1,596	21.60
1311122035	Receive and Inspect Cavities 33 Thru 38	18-Jan-11	07-Feb-11	3.00	$29,746	13.05	$0	$31,341	$1,596	21.60
1311122065	Receive and Inspect Cavities 39 and 40	08-Feb-11	14-Feb-11	1.00	$9,915	4.35	$0	$10,447	$532	21.60
1311122067	Receive and Inspect Cavities 41 Thru 44	15-Feb-11	01-Mar-11	2.00	$19,830	8.70	$0	$20,894	$1,064	22.40
1311122070	Receive and Inspect Cavities 45 Thru 48	07-Mar-11	18-Mar-11	2.00	$19,830	8.70	$0	$20,894	$1,064	21.80
1311122072	Receive and Inspect Cavities 49 and 50	21-Mar-11	25-Mar-11	1.00	$9,915	4.35	$0	$10,447	$532	22.60
1311122075	Receive and Inspect Cavities 51 Thru 56	30-Mar-11	19-Apr-11	3.00	$29,746	13.05	$0	$31,341	$1,596	22.20
1311122080	Receive and Inspect Cavities 57 Thru 62	27-Apr-11	17-May-11	3.00	$26,460	12.30	$0	$28,056	$1,596	22.00
1311122085	Receive and Inspect Cavities 63 and 64	25-May-11	01-Jun-11	1.00	$8,820	4.10	$0	$9,352	$532	21.00
1311122087	Receive and Inspect Cavities 65 thru 68	02-Jun-11	15-Jun-11	2.00	$17,173	7.95	$0	$18,237	$1,064	21.80
1311122090	Receive and Inspect Cavities 69 Thru 72	01-Aug-11	12-Aug-11	2.00	$17,173	7.95	$0	$18,237	$1,064	19.60
1311122092	Receive and Inspect Cavities 73 and 74	15-Aug-11	19-Aug-11	1.00	$8,587	3.98	$0	$9,119	$532	19.60
1311122095	Receive and Inspect Cavities 75 Thru 80	22-Aug-11	12-Sep-11	3.00	$25,760	11.93	$0	$27,356	$1,596	19.60
1311122100	Receive and Inspect Cavities 81 Thru 86 FY11	13-Sep-11	30-Sep-11	2.80	$25,266	11.67	$0	$27,252	$1,986	19.60
131112210	Receive and Inspect Cavities 81 Thru 86 FY12	03-Oct-11	03-Oct-11	0.20	$1,863	0.83	$0	$2,009	$146	19.60
131112210	All Cavities Recieved and Inspected		03-Oct-11	0.00	$0	0.00	$0	$0	$0	26.00
1.3.1.1.1.3	**WAVEGUIDES**	05-Jan-09	30-Aug-13	231.80	$205,259	95.30	$640,709	$872,831	$26,863	4.00
131113000	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$179,043	$179,043	$0	4.00
1.3.1.1.1.3.1	**WAVEGUIDE FABRICATION**	05-Jan-09	01-Oct-10	87.40	$42,194	17.00	$461,666	$527,963	$24,103	75.60
1311131010	Proc Waveguides	05-Jan-09	05-Jan-09	0.20	$6,060	3.00	$0	$6,060	$0	72.60
1311131015	Waveguides Labor Initial	06-Jan-09	29-May-09	20.20	$17,856	7.00	$0	$35,711	$17,856	75.80
131113101	Waveguides Labor Final FY09	01-Jun-09	30-Sep-09	17.20	$4,598	1.80	$0	$6,169	$1,571	75.80
131113101	Waveguides Labor Final FY10	01-Oct-09	30-Sep-10	49.60	$13,681	5.20	$0	$18,357	$4,676	75.80
1311131020	Vend Fab Waveguides 1 thru 10	01-Jun-09	15-Dec-09	27.60	$0	0.00	$55,500	$55,500	$0	46.80
1311131025	Vend Fab Waveguides 11 thru 30	01-Jun-09	22-Feb-10	35.80	$0	0.00	$111,000	$111,000	$0	42.60
1311131030	Vend Fab Waveguides 31 thru 40	01-Jun-09	03-May-10	45.80	$0	0.00	$42,270	$42,270	$0	68.40
1311131035	Vend Fab Waveguides 41 thru 50	01-Jun-09	01-Jun-10	49.80	$0	0.00	$42,270	$42,270	$0	73.60
1311131040	Vend Fab Waveguides 51 thru 60	01-Jun-09	01-Jul-10	54.20	$0	0.00	$42,270	$42,270	$0	73.20
1311131045	Vend Fab Waveguides 61 thru 70	01-Jun-09	02-Aug-10	58.40	$0	0.00	$42,270	$42,270	$0	73.10
1311131050	Vend Fab Waveguides 71 thru 80	01-Jun-09	01-Sep-10	62.80	$0	0.00	$42,270	$42,270	$0	72.80
1311131055	Vend Fab Waveguides 81 thru 88	01-Jun-09	01-Oct-10	67.00	$0	0.00	$33,816	$33,816	$0	72.60
1311131060	Exchange Rate	30-Jun-10	01-Oct-10	13.20	$0	0.00	$50,000	$50,000	$0	72.60
1.3.1.1.1.3.2	**WAVEGUIDES RECEIVE AND INSPECT**	16-Dec-09	22-Oct-10	42.40	$163,065	78.30	$0	$165,825	$2,760	72.60



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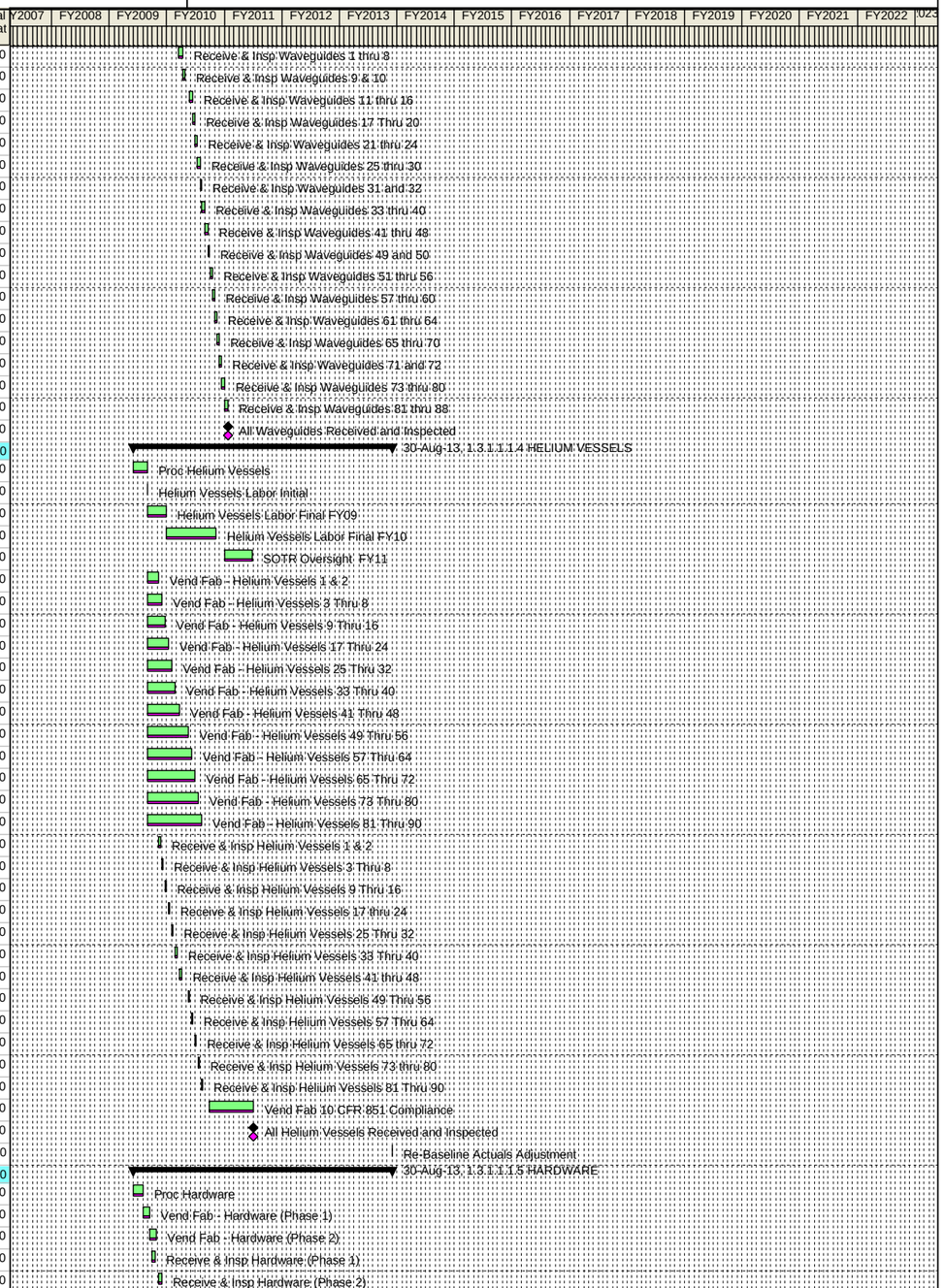
Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
1311132010	Receive & Insp Waveguides 1 thru 8	16-Dec-09	13-Jan-10	3.00	$30,352	12.80	$0	$30,602	$250	46.80
1311132015	Receive & Insp Waveguides 9 & 10	14-Jan-10	21-Jan-10	1.00	$7,588	3.20	$0	$7,651	$63	46.80
1311132020	Receive & Insp Waveguides 11 thru 16	23-Feb-10	15-Mar-10	3.00	$19,002	7.80	$0	$19,189	$187	42.60
1311132025	Receive & Insp Waveguides 17 Thru 20	16-Mar-10	29-Mar-10	2.00	$12,668	5.20	$0	$12,793	$125	68.40
1311132030	Receive & Insp Waveguides 21 thru 24	30-Mar-10	12-Apr-10	2.00	$9,174	4.36	$0	$9,299	$125	68.40
1311132035	Receive & Insp Waveguides 25 thru 30	13-Apr-10	03-May-10	3.00	$13,760	6.54	$0	$13,948	$187	68.40
1311132040	Receive & Insp Waveguides 31 and 32	04-May-10	10-May-10	1.00	$2,866	1.48	$0	$2,929	$63	68.40
1311132045	Receive & Insp Waveguides 33 thru 40	11-May-10	01-Jun-10	3.00	$11,463	5.92	$0	$11,713	$250	71.40
1311132050	Receive & Insp Waveguides 41 thru 48	02-Jun-10	22-Jun-10	3.00	$8,934	4.96	$0	$9,184	$250	73.60
1311132055	Receive & Insp Waveguides 49 and 50	23-Jun-10	29-Jun-10	1.00	$2,233	1.24	$0	$2,297	$63	73.60
1311132060	Receive & Insp Waveguides 51 thru 56	02-Jul-10	21-Jul-10	2.60	$6,700	3.72	$0	$6,888	$187	73.20
1311132065	Receive & Insp Waveguides 57 thru 60	22-Jul-10	02-Aug-10	1.50	$4,467	2.48	$0	$4,592	$125	73.20
1311132070	Receive & Insp Waveguides 61 thru 64	03-Aug-10	12-Aug-10	1.60	$4,467	2.48	$0	$4,592	$125	73.10
1311132075	Receive & Insp Waveguides 65 thru 70	13-Aug-10	31-Aug-10	2.50	$6,700	3.72	$0	$6,888	$187	73.10
1311132080	Receive & Insp Waveguides 71 and 72	02-Sep-10	09-Sep-10	1.00	$2,233	1.24	$0	$2,297	$63	72.80
1311132085	Receive & Insp Waveguides 73 thru 80	10-Sep-10	30-Sep-10	3.00	$8,934	4.96	$0	$9,184	$250	72.80
1311132090	Receive & Insp Waveguides 81 thru 88	04-Oct-10	22-Oct-10	3.00	$11,523	6.20	$0	$11,781	$258	72.60
131113210I	All Waveguides Received and Inspected		22-Oct-10	0.00	$0	0.00	$0	$0	$0	72.60
1.3.1.1.1.4 HELIUM VESSELS		02-Mar-09	30-Aug-13	224.20	$66,067	31.67	$581,177	$656,513	$9,269	4.00
131114010	Proc Helium Vessels	02-Mar-09	29-May-09	12.80	$3,030	1.50	$0	$3,030	$0	45.40
131114015	Helium Vessels Labor Initial	29-May-09	01-Jun-09	0.40	$0	0.00	$0	$39	$39	53.20
131114015L	Helium Vessels Labor Final FY09	02-Jun-09	30-Sep-09	17.00	$4,358	1.71	$0	$5,562	$1,204	53.20
131114015L	Helium Vessels Labor Final FY10	01-Oct-09	11-Aug-10	42.60	$11,269	4.29	$0	$14,381	$3,113	53.20
131114015L	SOTR Oversight FY11	01-Oct-10	25-Mar-11	23.20	$6,795	2.50	$0	$6,795	$0	46.20
131114016	Vend Fab - Helium Vessels 1 & 2	01-Jun-09	10-Aug-09	10.00	$0	0.00	$4,898	$4,898	$0	57.20
131114017	Vend Fab - Helium Vessels 3 Thru 8	01-Jun-09	31-Aug-09	13.00	$0	0.00	$14,694	$14,694	$0	56.20
131114020	Vend Fab - Helium Vessels 9 Thru 16	01-Jun-09	22-Sep-09	16.00	$0	0.00	$19,593	$19,593	$0	58.20
131114025	Vend Fab - Helium Vessels 17 Thru 24	01-Jun-09	13-Oct-09	19.00	$0	0.00	$19,593	$19,593	$0	73.20
131114030	Vend Fab - Helium Vessels 25 Thru 32	01-Jun-09	03-Nov-09	22.00	$0	0.00	$19,593	$19,593	$0	77.80
131114035	Vend Fab - Helium Vessels 33 Thru 40	01-Jun-09	24-Nov-09	25.00	$0	0.00	$19,593	$19,593	$0	80.00
131114040	Vend Fab - Helium Vessels 41 Thru 48	01-Jun-09	17-Dec-09	28.00	$0	0.00	$19,593	$19,593	$0	81.80
131114045	Vend Fab - Helium Vessels 49 Thru 56	01-Jun-09	16-Feb-10	35.00	$0	0.00	$19,593	$19,593	$0	79.60
131114050	Vend Fab - Helium Vessels 57 Thru 64	01-Jun-09	09-Mar-10	38.00	$0	0.00	$19,593	$19,593	$0	81.40
131114055	Vend Fab - Helium Vessels 65 Thru 72	01-Jun-09	30-Mar-10	41.00	$0	0.00	$19,593	$19,593	$0	89.40
131114060	Vend Fab - Helium Vessels 73 Thru 80	01-Jun-09	20-Apr-10	44.00	$0	0.00	$19,593	$19,593	$0	90.20
131114065	Vend Fab - Helium Vessels 81 Thru 90	01-Jun-09	11-May-10	47.00	$0	0.00	$24,491	$24,491	$0	88.20
131114070	Receive & Insp Helium Vessels 1 & 2	11-Aug-09	24-Aug-09	2.00	$1,347	0.70	$0	$1,560	$213	57.20
131114075	Receive & Insp Helium Vessels 3 Thru 8	01-Sep-09	08-Sep-09	1.00	$4,040	2.10	$0	$4,359	$319	56.20
131114080	Receive & Insp Helium Vessels 9 Thru 16	23-Sep-09	29-Sep-09	1.00	$4,755	2.44	$0	$5,181	$426	58.20
131114085	Receive & Insp Helium Vessels 17 thru 24	14-Oct-09	20-Oct-09	1.00	$3,952	2.04	$0	$4,392	$440	73.20
131114090	Receive & Insp Helium Vessels 25 Thru 32	04-Nov-09	10-Nov-09	1.00	$4,019	2.07	$0	$4,458	$440	77.80
131114095	Receive & Insp Helium Vessels 33 Thru 40	25-Nov-09	03-Dec-09	1.00	$3,215	1.76	$0	$3,654	$440	80.00
131114100	Receive & Insp Helium Vessels 41 thru 48	18-Dec-09	31-Dec-09	1.00	$3,215	1.76	$0	$3,654	$440	81.80
131114105	Receive & Insp Helium Vessels 49 Thru 56	17-Feb-10	23-Feb-10	1.00	$3,215	1.76	$0	$3,654	$440	79.60
131114110	Receive & Insp Helium Vessels 57 Thru 64	10-Mar-10	16-Mar-10	1.00	$3,215	1.76	$0	$3,654	$440	81.40
131114115	Receive & Insp Helium Vessels 65 thru 72	31-Mar-10	06-Apr-10	1.00	$3,215	1.76	$0	$3,654	$440	89.40
131114120	Receive & Insp Helium Vessels 73 thru 80	21-Apr-10	27-Apr-10	1.00	$3,215	1.76	$0	$3,654	$440	90.20
131114125	Receive & Insp Helium Vessels 81 Thru 90	12-May-10	18-May-10	1.00	$3,215	1.76	$0	$3,654	$440	88.20
131114130	Vend Fab 10 CFR 851 Compliance	01-Jul-10	31-Mar-11	36.80	$0	0.00	$275,000	$275,000	$0	45.40
131114130M	All Helium Vessels Received and Inspected		31-Mar-11	0.00	$0	0.00	$0	$0	$0	45.40
131114135	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$85,759	$85,759	$0	4.00
1.3.1.1.1.5 HARDWARE		02-Mar-09	30-Aug-13	224.20	$17,772	9.00	$104,647	$122,419	$0	4.00
131115010	Proc Hardware	02-Mar-09	01-May-09	9.00	$4,306	2.00	$0	$4,306	$0	71.20
131115012	Vend Fab - Hardware (Phase 1)	01-May-09	12-Jun-09	6.00	$2,962	1.50	$18,634	$21,596	$0	71.20
131115013	Vend Fab - Hardware (Phase 2)	15-Jun-09	28-Jul-09	6.20	$2,962	1.50	$18,634	$21,596	$0	107.80
131115015	Receive & Insp Hardware (Phase 1)	29-Jun-09	21-Jul-09	3.20	$3,771	2.00	$0	$3,771	$0	71.20
131115016	Receive & Insp Hardware (Phase 2)	12-Aug-09	02-Sep-09	3.20	$3,771	2.00	$0	$3,771	$0	107.80



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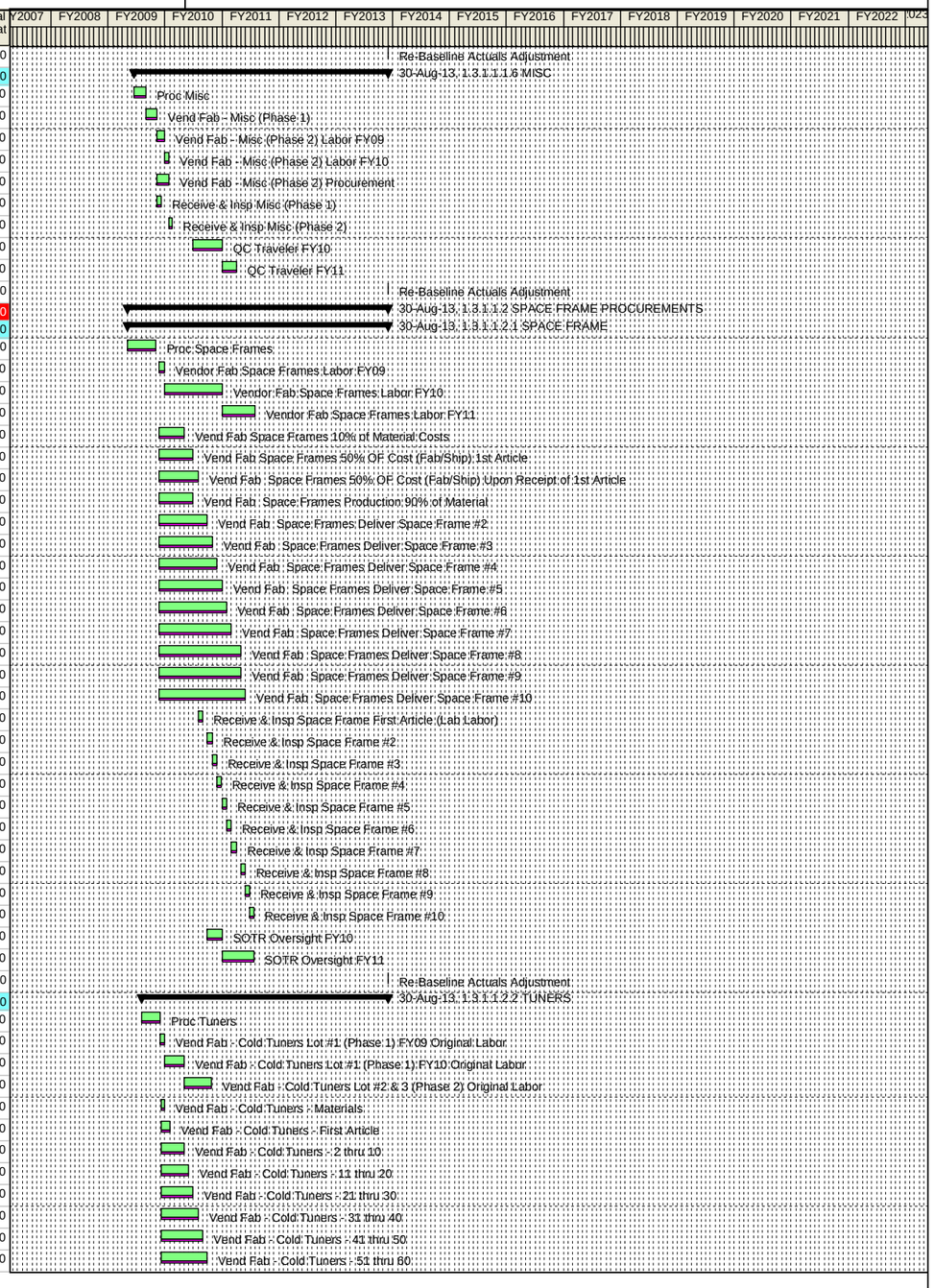
Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
131115020	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$67,378	$67,378	$0	4.00
1.3.1.1.1.6 MISC		16-Mar-09	30-Aug-13	222.20	$123,680	55.96	$340,596	$465,346	$1,070	4.00
131116010	Proc Misc	16-Mar-09	01-Jun-09	11.00	$4,393	2.40	$0	$4,393	$0	64.80
131116012	Vend Fab - Misc (Phase 1)	01-Jun-09	11-Aug-09	10.20	$2,962	1.50	$23,958	$27,453	$532	64.80
131116013	Vend Fab - Misc (Phase 2) Labor FY09	12-Aug-09	30-Sep-09	7.00	$2,033	1.03	$0	$2,399	$365	97.40
131116013b	Vend Fab - Misc (Phase 2) Labor FY10	01-Oct-09	22-Oct-09	3.20	$958	0.47	$0	$1,131	$172	97.40
131116013c	Vend Fab - Misc (Phase 2) Procurement	12-Aug-09	22-Oct-09	10.20	$0	0.00	$23,958	$23,958	$0	97.40
131116015	Receive & Insp Misc (Phase 1)	12-Aug-09	03-Sep-09	3.40	$3,771	2.00	$0	$3,771	$0	64.80
131116016	Receive & Insp Misc (Phase 2)	23-Oct-09	16-Nov-09	3.40	$3,891	2.00	$0	$3,891	$0	97.40
131116020	QC Traveler FY10	01-Apr-10	30-Sep-10	25.60	$53,633	23.56	$0	$53,633	$0	25.20
131116025	QC Traveler FY11	01-Oct-10	30-Dec-10	11.60	$52,039	23.00	$0	$52,039	$0	25.20
131116030	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$292,679	$292,679	$0	4.00
1.3.1.1.2 SPACE FRAME PROCUREMENTS		02-Feb-09	30-Aug-13	228.00	$147,240	66.50	$1,669,249	$1,884,700	$68,211	4.00
1.3.1.1.2.1 SPACE FRAME		02-Feb-09	30-Aug-13	228.00	$52,163	22.10	$446,428	$532,968	$34,376	4.00
131121010	Proc Space Frames	02-Feb-09	03-Aug-09	25.60	$2,424	1.20	$0	$2,424	$0	3.80
131121010A	Vendor Fab Space Frames Labor FY09	27-Aug-09	30-Sep-09	4.80	$955	0.38	$0	$2,603	$1,648	95.20
131121010B	Vendor Fab Space Frames Labor FY10	01-Oct-09	30-Sep-10	49.60	$10,452	3.98	$0	$28,680	$18,229	95.20
131121010C	Vendor Fab Space Frames Labor FY11	01-Oct-10	29-Apr-11	28.20	$4,467	1.65	$0	$12,248	$7,781	95.20
131121011	Vend Fab Space Frames 10% of Material Costs	27-Aug-09	29-Jan-10	20.40	$0	0.00	$18,643	$18,643	$0	54.80
131121015	Vend Fab Space Frames 50% OF Cost (Fab/Ship) 1st Article	27-Aug-09	29-Mar-10	28.40	$0	0.00	$22,260	$22,260	$0	46.80
131121016	Vend Fab Space Frames 50% OF Cost (Fab/Ship) Upon Receipt of 1st Article	27-Aug-09	30-Apr-10	33.20	$0	0.00	$22,260	$22,260	$0	42.00
131121016A	Vend Fab Space Frames Production 90% of Material	27-Aug-09	31-Mar-10	28.80	$0	0.00	$167,786	$167,786	$0	69.00
131121016B	Vend Fab Space Frames Deliver Space Frame #2	27-Aug-09	30-Jun-10	41.60	$0	0.00	$16,070	$16,070	$0	39.10
131121016C	Vend Fab Space Frames Deliver Space Frame #3	27-Aug-09	30-Jul-10	45.80	$0	0.00	$16,070	$16,070	$0	52.00
131121016D	Vend Fab Space Frames Deliver Space Frame #4	27-Aug-09	31-Aug-10	50.20	$0	0.00	$16,070	$16,070	$0	55.80
131121016F	Vend Fab Space Frames Deliver Space Frame #5	27-Aug-09	30-Sep-10	54.40	$0	0.00	$16,070	$16,070	$0	62.60
131121016G	Vend Fab Space Frames Deliver Space Frame #6	27-Aug-09	29-Oct-10	58.60	$0	0.00	$16,070	$16,070	$0	69.00
131121016H	Vend Fab Space Frames Deliver Space Frame #7	27-Aug-09	30-Nov-10	62.60	$0	0.00	$16,070	$16,070	$0	85.80
131121016J	Vend Fab Space Frames Deliver Space Frame #8	27-Aug-09	31-Jan-11	70.00	$0	0.00	$16,070	$16,070	$0	90.20
131121016K	Vend Fab Space Frames Deliver Space Frame #9	27-Aug-09	31-Jan-11	70.00	$0	0.00	$16,070	$16,070	$0	99.30
131121016L	Vend Fab Space Frames Deliver Space Frame #10	27-Aug-09	28-Feb-11	73.80	$0	0.00	$16,070	$16,070	$0	100.00
131121020	Receive & Insp Space Frame First Article (Lab Labor)	03-May-10	28-May-10	4.00	$3,209	1.56	$0	$3,868	$659	42.00
131121021	Receive & Insp Space Frame #2	01-Jul-10	29-Jul-10	4.00	$2,567	1.25	$0	$3,226	$659	39.10
131121022	Receive & Insp Space Frame #3	02-Aug-10	27-Aug-10	4.00	$2,139	1.04	$0	$2,799	$659	52.00
131121025	Receive & Insp Space Frame #4	01-Sep-10	29-Sep-10	4.00	$1,925	0.94	$0	$2,585	$659	55.80
131121026	Receive & Insp Space Frame #5	01-Oct-10	28-Oct-10	4.00	$1,987	0.94	$0	$2,667	$680	62.60
131121027	Receive & Insp Space Frame #6	01-Nov-10	30-Nov-10	4.00	$1,987	0.94	$0	$2,667	$680	69.00
131121028	Receive & Insp Space Frame #7	01-Dec-10	05-Jan-11	4.00	$1,987	0.94	$0	$2,667	$680	85.80
131121029	Receive & Insp Space Frame #8	01-Feb-11	01-Mar-11	4.00	$1,987	0.94	$0	$2,667	$680	90.20
131121030	Receive & Insp Space Frame #9	02-Mar-11	29-Mar-11	4.00	$1,987	0.94	$0	$2,667	$680	95.30
131121035	Receive & Insp Space Frame #10	30-Mar-11	26-Apr-11	4.00	$1,987	0.94	$0	$2,667	$680	95.80
131121040L	SOTR Oversight FY10	01-Jul-10	30-Sep-10	12.80	$3,951	1.50	$0	$3,951	$0	95.80
131121045L	SOTR Oversight FY11	01-Oct-10	26-Apr-11	27.60	$8,154	3.00	$0	$8,154	$0	95.80
131121050	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$70,849	$70,849	$0	4.00
1.3.1.1.2.2 TUNERS		01-May-09	30-Aug-13	215.40	$77,330	36.70	$939,783	$1,038,514	$21,401	4.00
131122010	Proc Tuners	01-May-09	01-Sep-09	17.20	$2,424	1.20	$0	$2,424	$0	54.80
131122015	Vend Fab - Cold Tuners Lot #1 (Phase 1) FY09 Original Labor	01-Sep-09	30-Sep-09	4.20	$922	0.34	$0	$2,263	$1,342	63.60
131122015A	Vend Fab - Cold Tuners Lot #1 (Phase 1) FY10 Original Labor	01-Oct-09	01-Feb-10	15.80	$3,578	1.26	$0	$8,786	$5,208	63.60
131122016	Vend Fab - Cold Tuners Lot #2 & 3 (Phase 2) Original Labor	02-Feb-10	22-Jul-10	24.00	$6,793	2.40	$0	$16,683	$9,889	79.40
131122016A	Vend Fab - Cold Tuners - Materials	09-Sep-09	30-Sep-09	3.20	$0	0.00	$140,707	$140,707	$0	54.80
131122016B	Vend Fab - Cold Tuners - First Article	09-Sep-09	30-Oct-09	7.60	$0	0.00	$11,557	$11,557	$0	54.80
131122016C	Vend Fab - Cold Tuners - 2 thru 10	09-Sep-09	29-Jan-10	18.80	$0	0.00	$17,865	$17,865	$0	54.80
131122016D	Vend Fab - Cold Tuners - 11 thru 20	09-Sep-09	26-Feb-10	22.60	$0	0.00	$19,850	$19,850	$0	56.00
131122016F	Vend Fab - Cold Tuners - 21 thru 30	09-Sep-09	31-Mar-10	27.20	$0	0.00	$19,850	$19,850	$0	69.00
131122016G	Vend Fab - Cold Tuners - 31 thru 40	09-Sep-09	30-Apr-10	31.60	$0	0.00	$19,850	$19,850	$0	70.80
131122016H	Vend Fab - Cold Tuners - 41 thru 50	09-Sep-09	28-May-10	35.60	$0	0.00	$19,850	$19,850	$0	77.80
131122016J	Vend Fab - Cold Tuners - 51 thru 60	09-Sep-09	30-Jun-10	40.00	$0	0.00	$19,850	$19,850	$0	85.00



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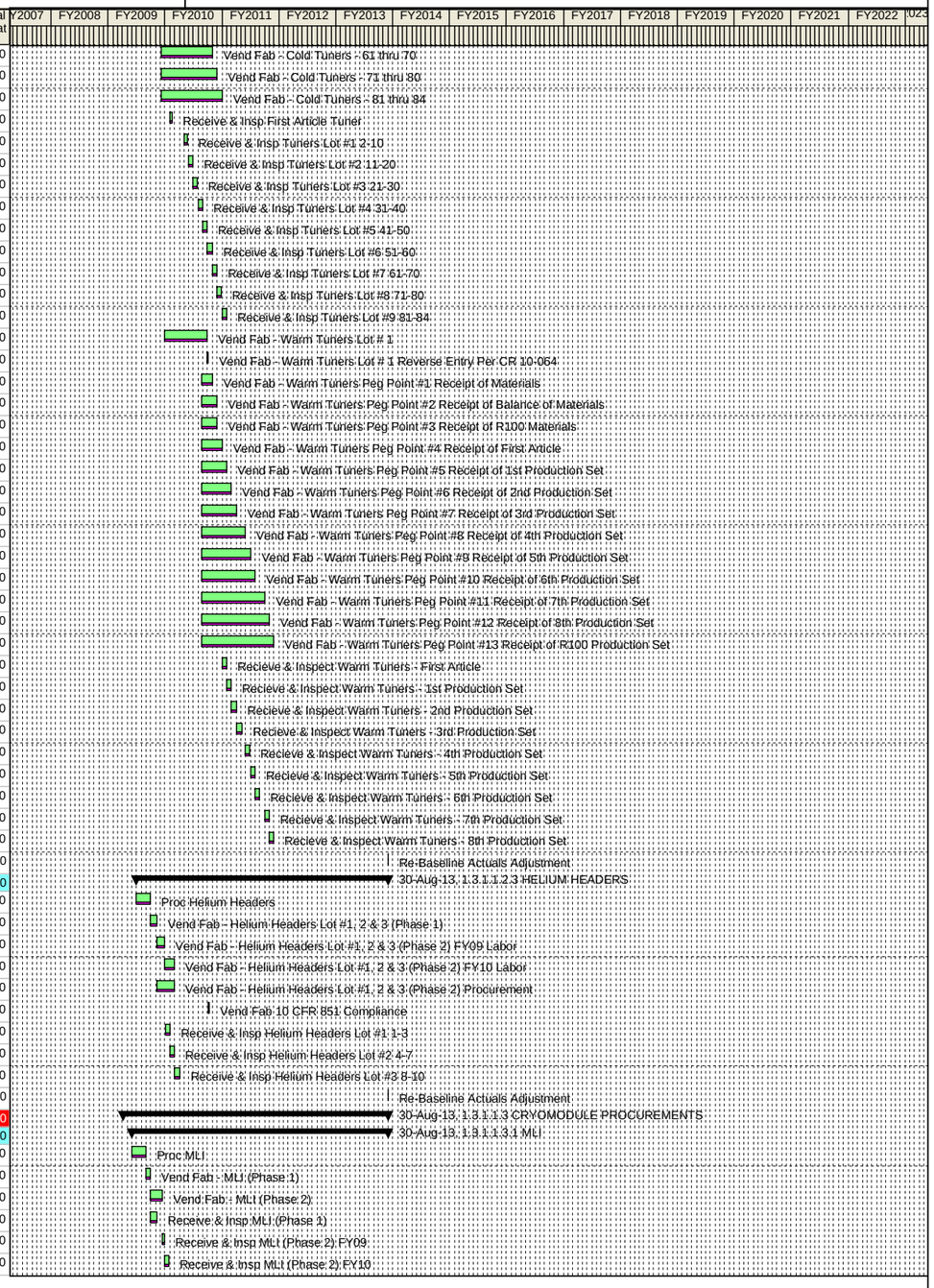
Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
131122016K	Vend Fab - Cold Tuners - 61 thru 70	09-Sep-09	30-Jul-10	44.20	$0	0.00	$19,850	$19,850	$0	102.60
131122016L	Vend Fab - Cold Tuners - 71 thru 80	09-Sep-09	31-Aug-10	48.60	$0	0.00	$19,850	$19,850	$0	114.00
131122016N	Vend Fab - Cold Tuners - 81 thru 84	09-Sep-09	30-Sep-10	52.80	$0	0.00	$7,940	$7,940	$0	114.40
131122017	Receive & Insp First Article Tuner	02-Nov-09	13-Nov-09	2.00	$1,223	0.60	$0	$1,333	$110	67.00
131122020	Receive & Insp Tuners Lot #1 2-10	01-Feb-10	22-Feb-10	3.00	$4,891	2.40	$0	$5,330	$440	54.80
131122025	Receive & Insp Tuners Lot #2 11-20	01-Mar-10	26-Mar-10	4.00	$4,666	2.20	$0	$5,215	$549	56.00
131122030	Receive & Insp Tuners Lot #3 21-30	01-Apr-10	28-Apr-10	4.00	$2,822	1.50	$0	$3,371	$549	69.00
131122035	Receive & Insp Tuners Lot #4 31-40	03-May-10	28-May-10	4.00	$2,822	1.50	$0	$3,371	$549	70.80
131122040	Receive & Insp Tuners Lot #5 41-50	01-Jun-10	28-Jun-10	4.00	$2,822	1.50	$0	$3,371	$549	77.80
131122045	Receive & Insp Tuners Lot #6 51-60	01-Jul-10	29-Jul-10	4.00	$2,822	1.50	$0	$3,371	$549	85.00
131122050	Receive & Insp Tuners Lot #7 61-70	02-Aug-10	27-Aug-10	4.00	$2,822	1.50	$0	$3,371	$549	102.60
131122055	Receive & Insp Tuners Lot #8 71-80	01-Sep-10	29-Sep-10	4.00	$2,822	1.50	$0	$3,371	$549	114.00
131122060	Receive & Insp Tuners Lot #9 81-84	01-Oct-10	28-Oct-10	4.00	$2,912	1.50	$0	$3,479	$567	114.40
131122065	Vend Fab - Warm Tuners Lot # 1	01-Oct-09	24-Jun-10	36.00	$0	0.00	$140,223	$140,223	$0	33.60
131122065A	Vend Fab - Warm Tuners Lot # 1 Reverse Entry Per CR 10-064	01-Jul-10	01-Jul-10	0.20	$0	0.00	($140,223)	($140,223)	$0	43.40
131122065B	Vend Fab - Warm Tuners Peg Point #1 Receipt of Materials	25-May-10	30-Jul-10	9.40	$0	0.00	$100,000	$100,000	$0	20.60
131122065C	Vend Fab - Warm Tuners Peg Point #2 Receipt of Balance of Materials	25-May-10	31-Aug-10	13.80	$0	0.00	$100,173	$100,173	$0	20.60
131122065D	Vend Fab - Warm Tuners Peg Point #3 Receipt of R100 Materials	25-May-10	31-Aug-10	13.80	$0	0.00	$0	$0	$0	20.60
131122065F	Vend Fab - Warm Tuners Peg Point #4 Receipt of First Article	25-May-10	30-Sep-10	18.00	$0	0.00	$4,447	$4,447	$0	20.60
131122065G	Vend Fab - Warm Tuners Peg Point #5 Receipt of 1st Production Set	25-May-10	29-Oct-10	22.20	$0	0.00	$20,815	$20,815	$0	20.60
131122065H	Vend Fab - Warm Tuners Peg Point #6 Receipt of 2nd Production Set	25-May-10	30-Nov-10	26.20	$0	0.00	$20,815	$20,815	$0	22.60
131122065J	Vend Fab - Warm Tuners Peg Point #7 Receipt of 3rd Production Set	25-May-10	30-Dec-10	29.60	$0	0.00	$20,815	$20,815	$0	33.20
131122065K	Vend Fab - Warm Tuners Peg Point #8 Receipt of 4th Production Set	25-May-10	28-Feb-11	37.40	$0	0.00	$20,815	$20,815	$0	33.20
131122065L	Vend Fab - Warm Tuners Peg Point #9 Receipt of 5th Production Set	25-May-10	31-Mar-11	42.00	$0	0.00	$20,815	$20,815	$0	40.60
131122065N	Vend Fab - Warm Tuners Peg Point #10 Receipt of 6th Production Set	25-May-10	29-Apr-11	46.20	$0	0.00	$20,815	$20,815	$0	51.00
131122065P	Vend Fab - Warm Tuners Peg Point #11 Receipt of 7th Production Set	25-May-10	30-Jun-11	54.80	$0	0.00	$20,815	$20,815	$0	62.00
131122065Q	Vend Fab - Warm Tuners Peg Point #12 Receipt of 8th Production Set	25-May-10	29-Jul-11	58.80	$0	0.00	$20,815	$20,815	$0	71.60
131122065R	Vend Fab - Warm Tuners Peg Point #13 Receipt of R100 Production Set	25-May-10	31-Aug-11	63.40	$0	0.00	$0	$0	$0	85.80
131122070	Recieve & Inspect Warm Tuners - First Article	01-Oct-10	28-Oct-10	4.00	$6,164	3.00	$0	$6,164	$0	20.80
131122075	Recieve & Inspect Warm Tuners - 1st Production Set	01-Nov-10	30-Nov-10	4.00	$3,354	1.60	$0	$3,354	$0	20.60
131122080	Recieve & Inspect Warm Tuners - 2nd Production Set	01-Dec-10	05-Jan-11	4.00	$3,354	1.60	$0	$3,354	$0	22.60
131122085	Recieve & Inspect Warm Tuners - 3rd Production Set	06-Jan-11	03-Feb-11	4.00	$3,354	1.60	$0	$3,354	$0	37.20
131122090	Recieve & Inspect Warm Tuners - 4th Production Set	01-Mar-11	28-Mar-11	4.00	$3,354	1.60	$0	$3,354	$0	33.20
131122095	Recieve & Inspect Warm Tuners - 5th Production Set	01-Apr-11	28-Apr-11	4.00	$3,354	1.60	$0	$3,354	$0	40.60
131122100	Recieve & Inspect Warm Tuners - 6th Production Set	02-May-11	27-May-11	4.00	$3,354	1.60	$0	$3,354	$0	51.00
131122105	Recieve & Inspect Warm Tuners - 7th Production Set	01-Jul-11	29-Jul-11	4.00	$3,354	1.60	$0	$3,354	$0	62.00
131122110	Recieve & Inspect Warm Tuners - 8th Production Set	01-Aug-11	26-Aug-11	4.00	$3,354	1.60	$0	$3,354	$0	71.60
131122115	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$251,624	$251,624	$0	4.00
1.3.1.1.2.3 HELIUM HEADERS		01-Apr-09	30-Aug-13	219.80	$17,747	7.70	$283,038	$313,219	$12,433	4.00
131123010	Proc Helium Headers	01-Apr-09	01-Jul-09	13.00	$2,424	1.20	$0	$2,424	$0	62.20
131123015	Vend Fab - Helium Headers Lot #1, 2 & 3 (Phase 1)	01-Jul-09	07-Aug-09	5.40	$2,105	0.75	$21,083	$25,850	$2,662	69.00
131123016	Vend Fab - Helium Headers Lot #1, 2 & 3 (Phase 2) FY09 Labor	10-Aug-09	30-Sep-09	7.40	$2,922	1.04	$0	$6,615	$3,694	91.60
131123016b	Vend Fab - Helium Headers Lot #1, 2 & 3 (Phase 2) FY10 Labor	01-Oct-09	02-Dec-09	8.60	$3,501	1.21	$0	$7,931	$4,429	91.60
131123016c	Vend Fab - Helium Headers Lot #1, 2 & 3 (Phase 2) Procurement	10-Aug-09	02-Dec-09	16.00	$0	0.00	$42,806	$42,806	$0	91.60
131123016d	Vend Fab 10 CFR 851 Compliance	02-Jul-10	09-Jul-10	1.00	$0	0.00	$215,000	$215,000	$0	62.20
131123020	Receive & Insp Helium Headers Lot #1 1-3	05-Oct-09	30-Oct-09	4.00	$2,822	1.50	$0	$3,371	$549	69.00
131123025	Receive & Insp Helium Headers Lot #2 4-7	02-Nov-09	01-Dec-09	4.00	$2,822	1.50	$0	$3,371	$549	94.80
131123030	Receive & Insp Helium Headers Lot #3 8-10	02-Dec-09	06-Jan-10	4.00	$1,152	0.50	$0	$1,702	$549	151.00
131123035	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$4,149	$4,149	$0	4.00
1.3.1.1.3 CRYOMODULE PROCUREMENTS		02-Jan-09	30-Aug-13	232.00	$470,252	216.63	$6,791,831	$7,430,522	$168,439	4.00
1.3.1.1.3.1 MLI		02-Mar-09	30-Aug-13	224.20	$16,020	7.00	$28,380	$50,264	$5,865	4.00
131131010	Proc MLI	02-Mar-09	01-Jun-09	13.00	$2,153	1.00	$0	$2,153	$0	78.00
131131015	Vend Fab - MLI (Phase 1)	01-Jun-09	26-Jun-09	4.00	$2,509	1.00	$38,067	$41,908	$1,331	78.00
131131016	Vend Fab - MLI (Phase 2)	29-Jun-09	16-Sep-09	11.20	$7,528	3.00	$114,202	$125,723	$3,993	108.60
131131020	Receive & Insp MLI (Phase 1)	29-Jun-09	06-Aug-09	5.60	$943	0.50	$0	$1,076	$133	78.00
131131021	Receive & Insp MLI (Phase 2) FY09	17-Sep-09	30-Sep-09	2.00	$1,010	0.54	$0	$1,153	$143	108.60
131131021b	Receive & Insp MLI (Phase 2) FY10	01-Oct-09	26-Oct-09	3.60	$1,876	0.96	$0	$2,141	$265	108.60



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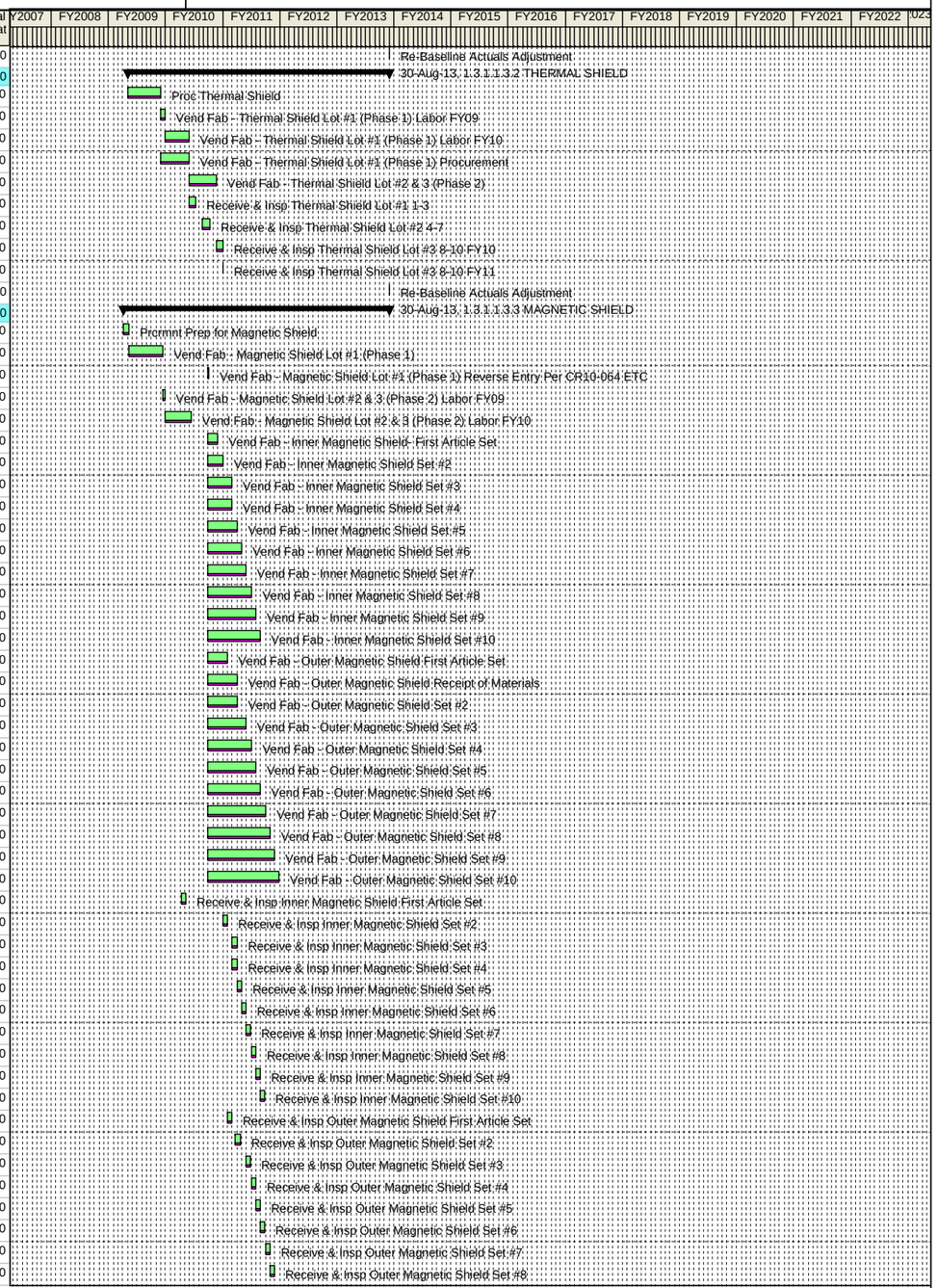
Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
131131025	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($123,889)	($123,889)	$0	4.00
1.3.1.1.3.2 THERMAL SHIELD		02-Feb-09	30-Aug-13	228.00	$29,164	13.00	$413,876	$457,308	$14,268	4.00
131132010	Proc Thermal Shield	02-Feb-09	01-Sep-09	29.80	$2,153	1.00	$0	$2,153	$0	48.60
131132015	Vend Fab - Thermal Shield Lot #1 (Phase 1) Labor FY09	01-Sep-09	30-Sep-09	4.20	$668	0.26	$0	$1,227	$559	48.60
131132015b	Vend Fab - Thermal Shield Lot #1 (Phase 1) Labor FY10	01-Oct-09	02-Mar-10	19.80	$3,250	1.24	$0	$5,970	$2,719	48.60
131132015c	Vend Fab - Thermal Shield Lot #1 (Phase 1) Procurement	01-Sep-09	02-Mar-10	24.00	$0	0.00	$122,986	$122,986	$0	48.60
131132016	Vend Fab - Thermal Shield Lot #2 & 3 (Phase 2)	03-Mar-10	19-Aug-10	24.00	$9,192	3.50	$257,665	$274,549	$7,691	67.40
131132020	Receive & Insp Thermal Shield Lot #1 1-3	03-Mar-10	13-Apr-10	6.00	$6,113	3.00	$0	$7,212	$1,099	48.60
131132025	Receive & Insp Thermal Shield Lot #2 4-7	26-May-10	08-Jul-10	6.00	$3,891	2.00	$0	$4,990	$1,099	67.40
131132030	Receive & Insp Thermal Shield Lot #3 8-10 FY10	20-Aug-10	30-Sep-10	5.80	$3,761	1.93	$0	$4,824	$1,062	109.60
131132030a	Receive & Insp Thermal Shield Lot #3 8-10 FY11	01-Oct-10	01-Oct-10	0.20	$134	0.07	$0	$172	$38	109.60
131132035	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$33,225	$33,225	$0	4.00
1.3.1.1.3.3 MAGNETIC SHIELD		02-Jan-09	30-Aug-13	232.00	$80,583	38.42	$484,431	$573,798	$8,784	4.00
131133010	Prcrmnt Prep for Magnetic Shield	02-Jan-09	11-Feb-09	5.60	$693	0.32	$0	$693	$0	20.20
131133015	Vend Fab - Magnetic Shield Lot #1 (Phase 1)	11-Feb-09	14-Sep-09	30.00	$2,526	0.90	$85,950	$91,670	$3,194	20.20
131133015a	Vend Fab - Magnetic Shield Lot #1 (Phase 1) Reverse Entry Per CR10-064 ETC	01-Jul-10	01-Jul-10	0.20	($2,607)	-0.90	($85,950)	($91,751)	($3,194)	36.40
131133016	Vend Fab - Magnetic Shield Lot #2 & 3 (Phase 2) Labor FY09	15-Sep-09	30-Sep-09	2.40	$589	0.21	$0	$1,335	$745	48.40
131133016b	Vend Fab - Magnetic Shield Lot #2 & 3 (Phase 2) Labor FY10	01-Oct-09	15-Mar-10	21.60	$5,474	1.89	$0	$12,396	$6,922	48.40
131133016c	Vend Fab - Inner Magnetic Shield- First Article Set	01-Jul-10	31-Aug-10	8.60	$0	0.00	$22,615	$22,615	$0	23.80
131133016c1	Vend Fab - Inner Magnetic Shield Set #2	01-Jul-10	30-Sep-10	12.80	$0	0.00	$20,258	$20,258	$0	23.80
131133017	Vend Fab - Inner Magnetic Shield Set #3	01-Jul-10	30-Nov-10	21.00	$0	0.00	$20,258	$20,258	$0	35.20
131133017A	Vend Fab - Inner Magnetic Shield Set #4	01-Jul-10	30-Nov-10	21.00	$0	0.00	$20,258	$20,258	$0	38.40
131133017B	Vend Fab - Inner Magnetic Shield Set #5	01-Jul-10	30-Dec-10	24.40	$0	0.00	$20,258	$20,258	$0	47.00
131133017C	Vend Fab - Inner Magnetic Shield Set #6	01-Jul-10	31-Jan-11	28.40	$0	0.00	$20,258	$20,258	$0	55.60
131133017D	Vend Fab - Inner Magnetic Shield Set #7	01-Jul-10	28-Feb-11	32.20	$0	0.00	$20,258	$20,258	$0	74.60
131133017F	Vend Fab - Inner Magnetic Shield Set #8	01-Jul-10	31-Mar-11	36.80	$0	0.00	$20,258	$20,258	$0	81.80
131133017G	Vend Fab - Inner Magnetic Shield Set #9	01-Jul-10	29-Apr-11	41.00	$0	0.00	$20,258	$20,258	$0	84.20
131133017H	Vend Fab - Inner Magnetic Shield Set #10	01-Jul-10	31-May-11	45.20	$0	0.00	$20,258	$20,258	$0	87.00
131133018	Vend Fab - Outer Magnetic Shield First Article Set	01-Jul-10	29-Oct-10	17.00	$0	0.00	$18,933	$18,933	$0	20.20
131133018A	Vend Fab - Outer Magnetic Shield Receipt of Materials	01-Jul-10	30-Dec-10	24.40	$0	0.00	$62,881	$62,881	$0	20.20
131133018B	Vend Fab - Outer Magnetic Shield Set #2	01-Jul-10	30-Dec-10	24.40	$0	0.00	$10,517	$10,517	$0	20.20
131133018C	Vend Fab - Outer Magnetic Shield Set #3	01-Jul-10	28-Feb-11	32.20	$0	0.00	$10,517	$10,517	$0	28.60
131133018D	Vend Fab - Outer Magnetic Shield Set #4	01-Jul-10	31-Mar-11	36.80	$0	0.00	$10,517	$10,517	$0	28.60
131133018F	Vend Fab - Outer Magnetic Shield Set #5	01-Jul-10	29-Apr-11	41.00	$0	0.00	$10,517	$10,517	$0	36.40
131133018G	Vend Fab - Outer Magnetic Shield Set #6	01-Jul-10	31-May-11	45.20	$0	0.00	$10,517	$10,517	$0	46.80
131133018H	Vend Fab - Outer Magnetic Shield Set #7	01-Jul-10	30-Jun-11	49.60	$0	0.00	$10,517	$10,517	$0	62.00
131133018J	Vend Fab - Outer Magnetic Shield Set #8	01-Jul-10	29-Jul-11	53.60	$0	0.00	$10,517	$10,517	$0	71.60
131133018K	Vend Fab - Outer Magnetic Shield Set #9	01-Jul-10	31-Aug-11	58.20	$0	0.00	$10,517	$10,517	$0	75.80
131133018L	Vend Fab - Outer Magnetic Shield Set #10	01-Jul-10	26-Sep-11	61.60	$0	0.00	$10,517	$10,517	$0	78.40
131133020	Receive & Insp Inner Magnetic Shield First Article Set	12-Jan-10	09-Feb-10	4.00	$3,891	2.00	$0	$4,441	$549	56.40
131133025	Receive & Insp Inner Magnetic Shield Set #2	01-Oct-10	28-Oct-10	4.00	$2,640	1.40	$0	$2,640	$0	23.80
131133030	Receive & Insp Inner Magnetic Shield Set #3	01-Dec-10	05-Jan-11	4.00	$2,640	1.40	$0	$2,640	$0	35.20
131133035	Receive & Insp Inner Magnetic Shield Set #4	01-Dec-10	05-Jan-11	4.00	$2,640	1.40	$0	$2,640	$0	38.40
131133040	Receive & Insp Inner Magnetic Shield Set #5	31-Dec-10	31-Jan-11	4.00	$2,640	1.40	$0	$2,640	$0	47.00
131133045	Receive & Insp Inner Magnetic Shield Set #6	01-Feb-11	01-Mar-11	4.00	$2,640	1.40	$0	$2,640	$0	55.60
131133050	Receive & Insp Inner Magnetic Shield Set #7	01-Mar-11	28-Mar-11	4.00	$2,640	1.40	$0	$2,640	$0	74.60
131133055	Receive & Insp Inner Magnetic Shield Set #8	01-Apr-11	28-Apr-11	4.00	$2,640	1.40	$0	$2,640	$0	81.80
131133060	Receive & Insp Inner Magnetic Shield Set #9	02-May-11	27-May-11	4.00	$2,640	1.40	$0	$2,640	$0	84.20
131133065	Receive & Insp Inner Magnetic Shield Set #10	01-Jun-11	28-Jun-11	4.00	$2,640	1.40	$0	$2,640	$0	87.00
131133070	Receive & Insp Outer Magnetic Shield First Article Set	01-Nov-10	30-Nov-10	4.00	$4,015	2.00	$0	$4,582	$567	20.60
131133075	Receive & Insp Outer Magnetic Shield Set #2	17-Dec-10	24-Jan-11	4.00	$2,640	1.40	$0	$2,640	$0	20.20
131133080	Receive & Insp Outer Magnetic Shield Set #3	01-Mar-11	28-Mar-11	4.00	$2,640	1.40	$0	$2,640	$0	30.00
131133085	Receive & Insp Outer Magnetic Shield Set #4	01-Apr-11	28-Apr-11	4.00	$2,640	1.40	$0	$2,640	$0	28.60
131133090	Receive & Insp Outer Magnetic Shield Set #5	02-May-11	27-May-11	4.00	$2,640	1.40	$0	$2,640	$0	36.40
131133095	Receive & Insp Outer Magnetic Shield Set #6	01-Jun-11	28-Jun-11	4.00	$2,640	1.40	$0	$2,640	$0	46.80
131133100	Receive & Insp Outer Magnetic Shield Set #7	01-Jul-11	29-Jul-11	4.00	$2,640	1.40	$0	$2,640	$0	62.00
131133105	Receive & Insp Outer Magnetic Shield Set #8	01-Aug-11	26-Aug-11	4.00	$2,640	1.40	$0	$2,640	$0	71.60



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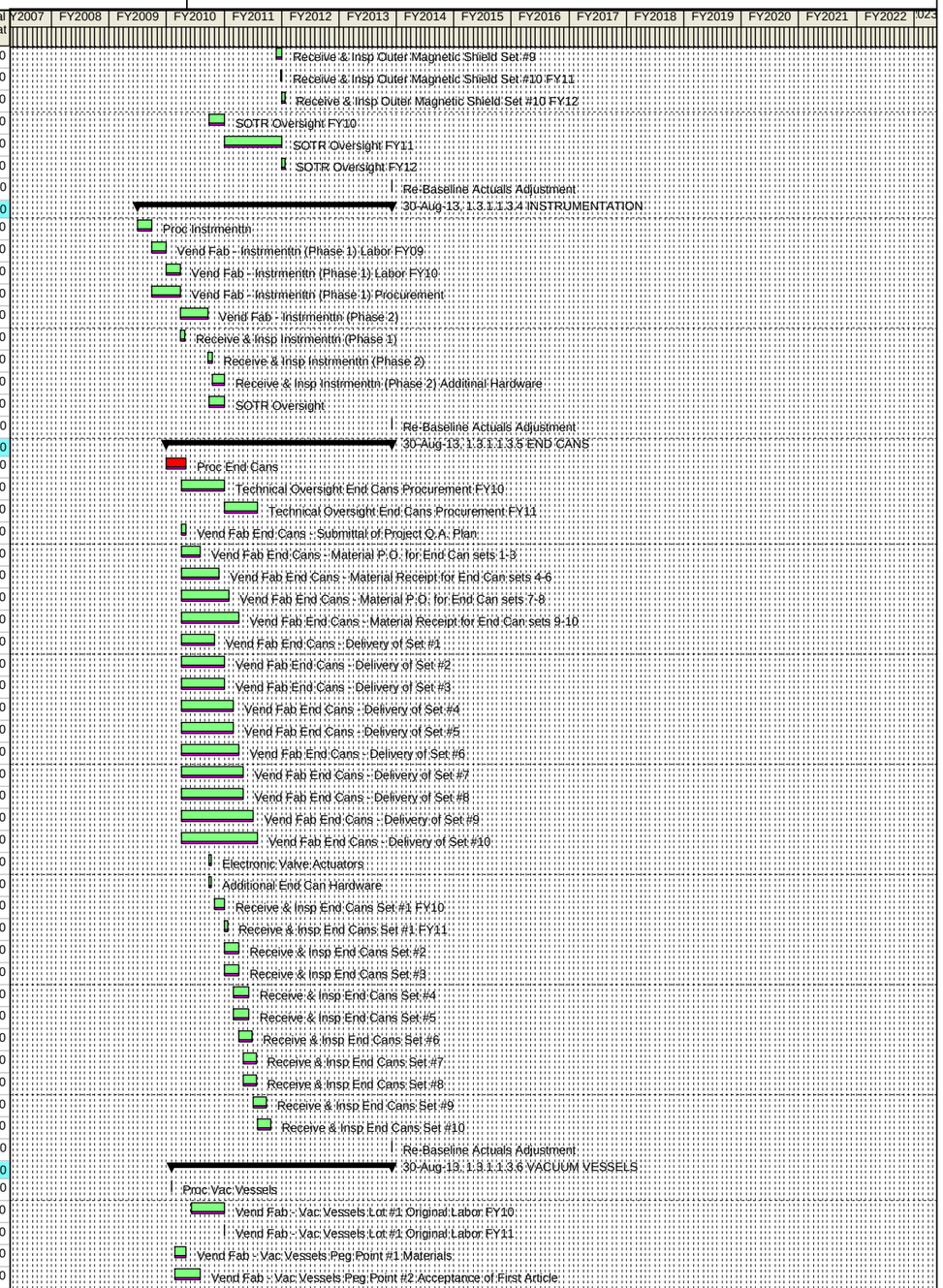
Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
131133110	Receive & Insp Outer Magnetic Shield Set #9	01-Sep-11	29-Sep-11	4.00	$2,640	1.40	$0	$2,640	$0	75.80
131133115	Receive & Insp Outer Magnetic Shield Set #10 FY11	27-Sep-11	30-Sep-11	0.80	$528	0.28	$0	$528	$0	78.40
131133115a	Receive & Insp Outer Magnetic Shield Set #10 FY12	03-Oct-11	24-Oct-11	3.20	$2,179	1.12	$0	$2,179	$0	78.40
131133120L	SOTR Oversight FY10	01-Jul-10	30-Sep-10	12.80	$3,424	1.30	$0	$3,424	$0	78.40
131133125L	SOTR Oversight FY11	01-Oct-10	30-Sep-11	49.60	$13,590	5.00	$0	$13,590	$0	78.40
131133130L	SOTR Oversight FY12	03-Oct-11	24-Oct-11	3.20	$1,402	0.50	$0	$1,402	$0	78.40
131133135	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$103,025	$103,025	$0	4.00
1.3.1.1.3.4 INSTRUMENTATION		01-Apr-09	30-Aug-13	219.80	$57,278	27.45	$935,734	$1,002,352	$9,340	4.00
131134010	Proc Instrmenttn	01-Apr-09	01-Jul-09	13.00	$877	0.50	$0	$877	$0	55.20
131134012	Vend Fab - Instrmenttn (Phase 1) Labor FY09	01-Jul-09	30-Sep-09	12.80	$2,272	0.96	$0	$2,272	$0	55.20
131134012b	Vend Fab - Instrmenttn (Phase 1) Labor FY10	01-Oct-09	28-Dec-09	11.20	$2,052	0.84	$0	$2,052	$0	55.20
131134012c	Vend Fab - Instrmenttn (Phase 1) Procurement	01-Jul-09	28-Dec-09	24.00	$0	0.00	$81,139	$81,139	$0	55.20
131134013	Vend Fab - Instrmenttn (Phase 2)	29-Dec-09	18-Jun-10	24.00	$10,259	4.20	$395,364	$405,623	$0	62.60
131134015	Receive & Insp Instrmenttn (Phase 1)	29-Dec-09	27-Jan-10	4.00	$2,061	1.05	$0	$3,710	$1,648	55.20
131134016	Receive & Insp Instrmenttn (Phase 2)	21-Jun-10	19-Jul-10	4.00	$4,810	2.45	$0	$8,656	$3,846	62.60
131134018	Receive & Insp Instrmenttn (Phase 2) Additinal Hardware	20-Jul-10	30-Sep-10	10.40	$4,810	2.45	$0	$8,656	$3,846	62.60
131134021L	SOTR Oversight	01-Jul-10	30-Sep-10	12.80	$30,137	15.00	$0	$30,137	$0	68.60
131134025	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$459,231	$459,231	$0	4.00
1.3.1.1.3.5 END CANS		01-Oct-09	30-Aug-13	194.20	$68,727	34.15	$1,391,486	$1,494,846	$34,632	4.00
131135010	Proc End Cans	01-Oct-09	02-Feb-10	16.00	$2,222	1.00	$0	$2,222	$0	-5.00
131135015	Technical Oversight End Cans Procurement FY10	04-Jan-10	30-Sep-10	37.80	$5,090	2.29	$0	$20,823	$15,733	103.00
131135015A	Technical Oversight End Cans Procurement FY11	01-Oct-10	29-Apr-11	28.20	$9,750	3.85	$0	$21,861	$12,111	103.00
131135015B	Vend Fab End Cans - Submittal of Project Q.A. Plan	04-Jan-10	29-Jan-10	3.80	$0	0.00	$67,645	$67,645	$0	22.80
131135015C	Vend Fab End Cans - Material P.O. for End Can sets 1-3	04-Jan-10	30-Apr-10	16.60	$0	0.00	$174,599	$174,599	$0	22.80
131135015D	Vend Fab End Cans - Material Receipt for End Can sets 4-6	04-Jan-10	31-Aug-10	33.60	$0	0.00	$158,211	$158,211	$0	22.80
131135015F	Vend Fab End Cans - Material P.O. for End Can sets 7-8	04-Jan-10	29-Oct-10	42.00	$0	0.00	$158,211	$158,211	$0	22.80
131135015G	Vend Fab End Cans - Material Receipt for End Can sets 9-10	04-Jan-10	30-Dec-10	49.40	$0	0.00	$158,211	$158,211	$0	22.80
131135015H	Vend Fab End Cans - Delivery of Set #1	04-Jan-10	30-Jul-10	29.20	$0	0.00	$136,921	$136,921	$0	22.80
131135015J	Vend Fab End Cans - Delivery of Set #2	04-Jan-10	30-Sep-10	37.80	$0	0.00	$55,456	$55,456	$0	22.80
131135015K	Vend Fab End Cans - Delivery of Set #3	04-Jan-10	30-Sep-10	37.80	$0	0.00	$55,456	$55,456	$0	36.40
131135015N	Vend Fab End Cans - Delivery of Set #4	04-Jan-10	30-Nov-10	46.00	$0	0.00	$55,456	$55,456	$0	36.40
131135015O	Vend Fab End Cans - Delivery of Set #5	04-Jan-10	30-Nov-10	46.00	$0	0.00	$55,456	$55,456	$0	48.40
131135015P	Vend Fab End Cans - Delivery of Set #6	04-Jan-10	31-Dec-10	49.60	$0	0.00	$55,456	$55,456	$0	59.40
131135015Q	Vend Fab End Cans - Delivery of Set #7	05-Jan-10	01-Feb-11	53.40	$0	0.00	$55,456	$55,456	$0	75.00
131135015R	Vend Fab End Cans - Delivery of Set #8	05-Jan-10	01-Feb-11	53.40	$0	0.00	$55,456	$55,456	$0	88.60
131135015S	Vend Fab End Cans - Delivery of Set #9	05-Jan-10	01-Apr-11	61.80	$0	0.00	$55,456	$55,456	$0	89.00
131135015T	Vend Fab End Cans - Delivery of Set #10	05-Jan-10	02-May-11	66.00	$0	0.00	$55,456	$55,456	$0	90.80
131135016	Electronic Valve Actuators	01-Jul-10	08-Jul-10	1.00	$0	0.00	$25,000	$25,000	$0	131.00
131135017	Additional End Can Hardware	01-Jul-10	08-Jul-10	1.00	$0	0.00	$25,000	$25,000	$0	131.00
131135020	Receive & Insp End Cans Set #1 FY10	02-Aug-10	30-Sep-10	8.60	$3,596	1.93	$0	$4,068	$472	25.40
131135020a	Receive & Insp End Cans Set #1 FY11	01-Oct-10	25-Oct-10	3.40	$1,468	0.77	$0	$1,660	$193	25.40
131135025	Receive & Insp End Cans Set #2	01-Oct-10	04-Jan-11	12.00	$5,178	2.70	$0	$5,858	$680	22.80
131135030	Receive & Insp End Cans Set #3	01-Oct-10	04-Jan-11	12.00	$5,178	2.70	$0	$5,858	$680	41.40
131135035	Receive & Insp End Cans Set #4	01-Dec-10	04-Mar-11	12.00	$5,178	2.70	$0	$5,858	$680	36.40
131135040	Receive & Insp End Cans Set #5	01-Dec-10	04-Mar-11	12.00	$5,178	2.70	$0	$5,858	$680	48.40
131135045	Receive & Insp End Cans Set #6	04-Jan-11	30-Mar-11	12.00	$5,178	2.70	$0	$5,858	$680	59.40
131135050	Receive & Insp End Cans Set #7	02-Feb-11	27-Apr-11	12.00	$5,178	2.70	$0	$5,858	$680	75.00
131135055	Receive & Insp End Cans Set #8	02-Feb-11	27-Apr-11	12.00	$5,178	2.70	$0	$5,858	$680	88.60
131135060	Receive & Insp End Cans Set #9	04-Apr-11	27-Jun-11	12.00	$5,178	2.70	$0	$5,858	$680	89.00
131135065	Receive & Insp End Cans Set #10	03-May-11	27-Jul-11	12.00	$5,178	2.70	$0	$5,858	$680	90.80
131135070	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($11,416)	($11,416)	$0	4.00
1.3.1.1.3.6 VACUUM VESSELS		02-Nov-09	30-Aug-13	189.80	$41,153	19.80	$875,574	$947,580	$30,853	4.00
131136010	Proc Vac Vessels	02-Nov-09	02-Nov-09	0.20	$2,222	1.00	$0	$2,222	$0	3.40
131136015	Vend Fab - Vac Vessels Lot #1 Original Labor FY10	08-Mar-10	30-Sep-10	29.20	$12,782	4.87	$0	$39,519	$26,737	39.40
131136015a	Vend Fab - Vac Vessels Lot #1 Original Labor FY11	01-Oct-10	06-Oct-10	0.80	$361	0.13	$0	$1,117	$756	39.40
131136016	Vend Fab - Vac Vessels Peg Point #1 Materials	25-Nov-09	29-Jan-10	7.80	$0	0.00	$184,500	$184,500	$0	34.80
131136016a	Vend Fab - Vac Vessels Peg Point #2 Acceptance of First Article	25-Nov-09	30-Apr-10	20.60	$0	0.00	$61,812	$61,812	$0	34.80



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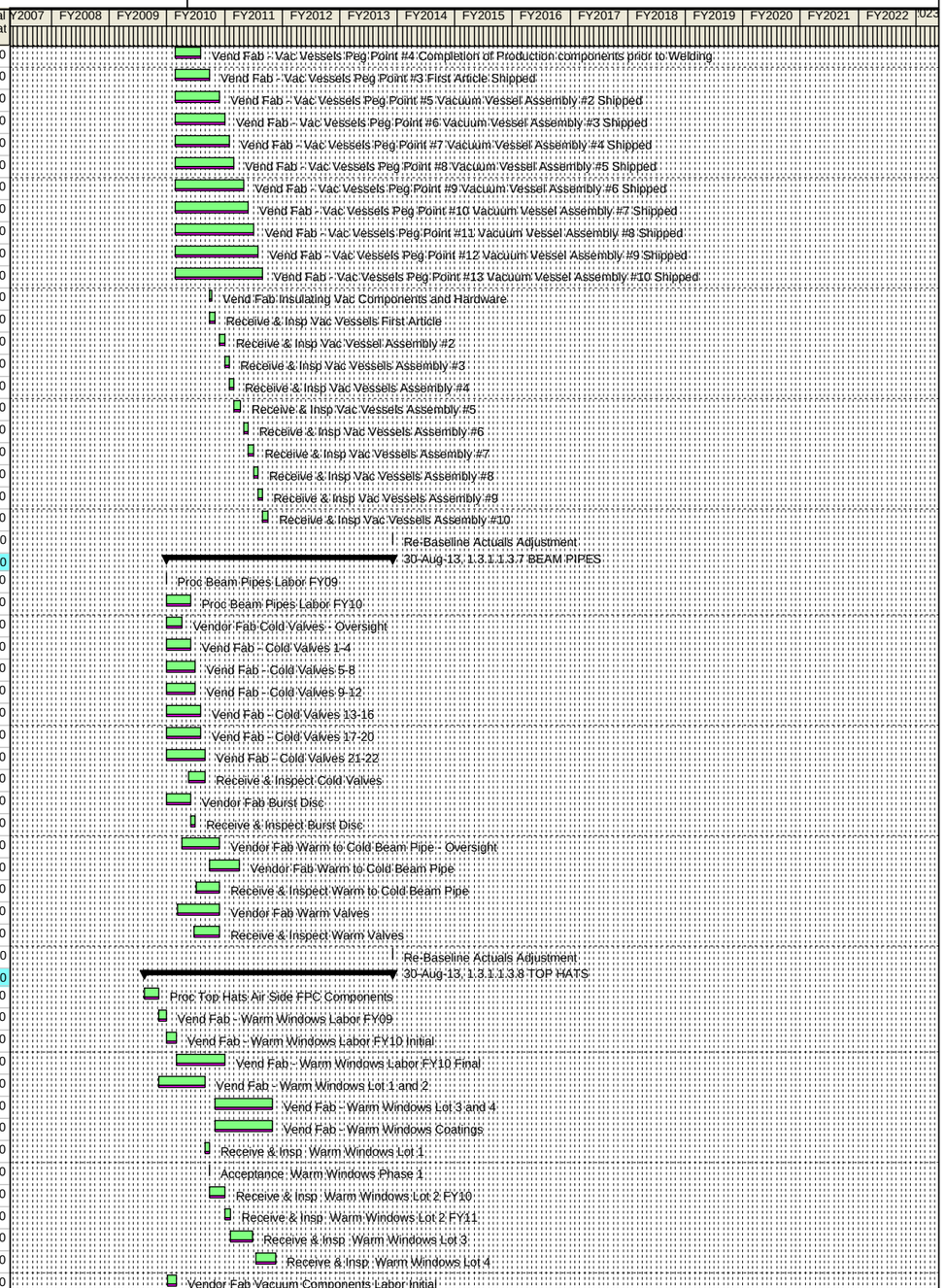
Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
131136016b	Vend Fab - Vac Vessels Peg Point #4 Completion of Production components prior to W...	25-Nov-09	30-Apr-10	20.60	$0	0.00	$162,925	$162,925	$0	34.80
131136016c	Vend Fab - Vac Vessels Peg Point #3 First Article Shipped	25-Nov-09	30-Jun-10	29.00	$0	0.00	$15,528	$15,528	$0	34.80
131136016d	Vend Fab - Vac Vessels Peg Point #5 Vacuum Vessel Assembly #2 Shipped	25-Nov-09	31-Aug-10	37.60	$0	0.00	$42,313	$42,313	$0	34.80
131136016f	Vend Fab - Vac Vessels Peg Point #6 Vacuum Vessel Assembly #3 Shipped	25-Nov-09	30-Sep-10	41.80	$0	0.00	$42,313	$42,313	$0	48.40
131136016g	Vend Fab - Vac Vessels Peg Point #7 Vacuum Vessel Assembly #4 Shipped	25-Nov-09	29-Oct-10	46.00	$0	0.00	$42,313	$42,313	$0	48.40
131136016h	Vend Fab - Vac Vessels Peg Point #8 Vacuum Vessel Assembly #5 Shipped	25-Nov-09	30-Nov-10	50.00	$0	0.00	$42,313	$42,313	$0	55.80
131136016j	Vend Fab - Vac Vessels Peg Point #9 Vacuum Vessel Assembly #6 Shipped	25-Nov-09	31-Jan-11	57.40	$0	0.00	$42,313	$42,313	$0	63.80
131136016k	Vend Fab - Vac Vessels Peg Point #10 Vacuum Vessel Assembly #7 Shipped	25-Nov-09	28-Feb-11	61.20	$0	0.00	$42,313	$42,313	$0	78.80
131136016n	Vend Fab - Vac Vessels Peg Point #11 Vacuum Vessel Assembly #8 Shipped	25-Nov-09	31-Mar-11	65.80	$0	0.00	$42,313	$42,313	$0	88.20
131136016o	Vend Fab - Vac Vessels Peg Point #12 Vacuum Vessel Assembly #9 Shipped	25-Nov-09	29-Apr-11	70.00	$0	0.00	$42,313	$42,313	$0	92.80
131136016p	Vend Fab - Vac Vessels Peg Point #13 Vacuum Vessel Assembly #10 Shipped	25-Nov-09	31-May-11	74.20	$0	0.00	$42,313	$42,313	$0	94.40
131136017	Vend Fab Insulating Vac Components and Hardware	01-Jul-10	08-Jul-10	1.00	$0	0.00	$40,000	$40,000	$0	138.60
131136020	Receive & Insp Vac Vessels First Article	01-Jul-10	30-Jul-10	4.20	$3,974	2.00	$0	$5,020	$1,046	39.20
131136025	Receive & Insp Vac Vessel Assembly #2	01-Sep-10	30-Sep-10	4.20	$3,447	1.80	$0	$3,697	$250	34.80
131136030	Receive & Insp Vac Vessels Assembly #3	01-Oct-10	29-Oct-10	4.20	$2,640	1.40	$0	$2,898	$258	48.40
131136035	Receive & Insp Vac Vessels Assembly #4	01-Nov-10	30-Nov-10	4.00	$2,640	1.40	$0	$2,898	$258	48.40
131136040	Receive & Insp Vac Vessels Assembly #5	01-Dec-10	10-Jan-11	4.60	$2,181	1.20	$0	$2,439	$258	55.80
131136045	Receive & Insp Vac Vessels Assembly #6	01-Feb-11	28-Feb-11	3.80	$2,181	1.20	$0	$2,439	$258	63.80
131136050	Receive & Insp Vac Vessels Assembly #7	01-Mar-11	31-Mar-11	4.60	$2,181	1.20	$0	$2,439	$258	78.80
131136055	Receive & Insp Vac Vessels Assembly #8	01-Apr-11	29-Apr-11	4.20	$2,181	1.20	$0	$2,439	$258	88.20
131136060	Receive & Insp Vac Vessels Assembly #9	02-May-11	31-May-11	4.20	$2,181	1.20	$0	$2,439	$258	92.80
131136065	Receive & Insp Vac Vessels Assembly #10	01-Jun-11	30-Jun-11	4.40	$2,181	1.20	$0	$2,439	$258	94.40
131136070	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$29,992	$29,992	$0	4.00
1.3.1.1.3.7 BEAM PIPES		25-Sep-09	30-Aug-13	195.00	$15,201	7.80	$548,911	$582,792	$18,679	4.00
131137010	Proc Beam Pipes Labor FY09	25-Sep-09	30-Sep-09	0.80	$78	0.04	$0	$78	$0	35.20
131137010b	Proc Beam Pipes Labor FY10	01-Oct-09	26-Feb-10	19.40	$1,960	0.86	$0	$1,960	$0	35.20
131137011	Vendor Fab Cold Valves - Oversight	01-Oct-09	04-Jan-10	12.00	$1,111	0.50	$0	$5,231	$4,120	34.40
131137012	Vend Fab - Cold Valves 1-4	25-Sep-09	26-Feb-10	20.20	$0	0.00	$79,980	$79,980	$0	28.80
131137013	Vend Fab - Cold Valves 5-8	25-Sep-09	31-Mar-10	24.80	$0	0.00	$79,980	$79,980	$0	28.80
131137014	Vend Fab - Cold Valves 9-12	25-Sep-09	31-Mar-10	24.80	$0	0.00	$79,980	$79,980	$0	28.80
131137015	Vend Fab - Cold Valves 13-16	25-Sep-09	30-Apr-10	29.20	$0	0.00	$79,980	$79,980	$0	28.80
131137016	Vend Fab - Cold Valves 17-20	25-Sep-09	30-Apr-10	29.20	$0	0.00	$79,980	$79,980	$0	28.80
131137017	Vend Fab - Cold Valves 21-22	25-Sep-09	28-May-10	33.20	$0	0.00	$39,990	$39,990	$0	28.80
131137020	Receive & Inspect Cold Valves	16-Feb-10	28-May-10	14.80	$4,360	2.45	$0	$5,239	$879	28.80
131137025	Vendor Fab Burst Disc	01-Oct-09	26-Feb-10	19.40	$1,111	0.50	$8,790	$14,022	$4,120	54.40
131137030	Receive & Inspect Burst Disc	01-Mar-10	31-Mar-10	4.60	$1,744	0.98	$0	$1,890	$147	54.40
131137034	Vendor Fab Warm to Cold Beam Pipe - Oversight	05-Jan-10	27-Aug-10	33.00	$1,111	0.50	$0	$5,231	$4,120	33.00
131137035	Vendor Fab Warm to Cold Beam Pipe	01-Jul-10	30-Dec-10	24.40	$0	0.00	$100,000	$100,000	$0	33.00
131137040	Receive & Inspect Warm to Cold Beam Pipe	05-Apr-10	31-Aug-10	21.00	$1,744	0.98	$0	$2,037	$293	33.00
131137045	Vendor Fab Warm Valves	04-Dec-09	27-Aug-10	36.20	$1,111	0.50	$43,951	$49,183	$4,120	33.00
131137050	Receive & Inspect Warm Valves	24-Mar-10	31-Aug-10	22.60	$872	0.49	$0	$1,751	$879	33.00
131137055	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($43,720)	($43,720)	$0	4.00
1.3.1.1.3.8 TOP HATS		13-May-09	30-Aug-13	213.80	$153,970	65.11	$2,001,004	$2,194,950	$39,975	4.00
131138010	Proc Top Hats Air Side FPC Components	13-May-09	06-Aug-09	12.00	$1,978	0.90	$0	$1,978	$0	27.00
131138015	Vend Fab - Warm Windows Labor FY09	07-Aug-09	30-Sep-09	7.60	$3,018	1.39	$0	$5,783	$2,765	57.40
131138015b	Vend Fab - Warm Windows Labor FY10 Initial	01-Oct-09	30-Nov-09	8.20	$3,360	1.50	$0	$6,439	$3,079	57.40
131138015ba	Vend Fab - Warm Windows Labor FY10 Final	01-Dec-09	30-Sep-10	41.40	$5,820	2.60	$0	$11,150	$5,331	57.40
131138015c	Vend Fab - Warm Windows Lot 1 and 2	07-Aug-09	28-May-10	40.00	$0	0.00	$107,824	$107,824	$0	44.60
131138015d	Vend Fab - Warm Windows Lot 3 and 4	30-Jul-10	29-Jul-11	49.60	$0	0.00	$172,119	$172,119	$0	79.60
131138015f	Vend Fab - Warm Windows Coatings	30-Jul-10	29-Jul-11	49.60	$0	0.00	$90,000	$90,000	$0	79.60
131138020	Receive & Insp Warm Windows Lot 1	01-Jun-10	30-Jun-10	4.40	$4,099	2.00	$0	$4,374	$275	44.60
131138020a	Acceptance Warm Windows Phase 1	30-Jun-10	30-Jun-10	0.20	$0	0.00	$43,130	$43,130	$0	63.40
131138020b	Receive & Insp Warm Windows Lot 2 FY10	01-Jul-10	30-Sep-10	12.80	$2,914	1.42	$0	$3,110	$195	63.40
131138020ba	Receive & Insp Warm Windows Lot 2 FY11	01-Oct-10	05-Nov-10	5.20	$1,222	0.58	$0	$1,304	$82	63.40
131138020d	Receive & Insp Warm Windows Lot 3	08-Nov-10	25-Mar-11	18.00	$4,229	2.00	$0	$4,513	$283	79.60
131138020g	Receive & Insp Warm Windows Lot 4	18-Apr-11	23-Aug-11	18.00	$4,229	2.00	$0	$4,513	$283	81.00
131138025	Vendor Fab Vacuum Components Labor Initial	05-Oct-09	30-Nov-09	7.80	$4,143	1.89	$0	$8,785	$4,642	28.80



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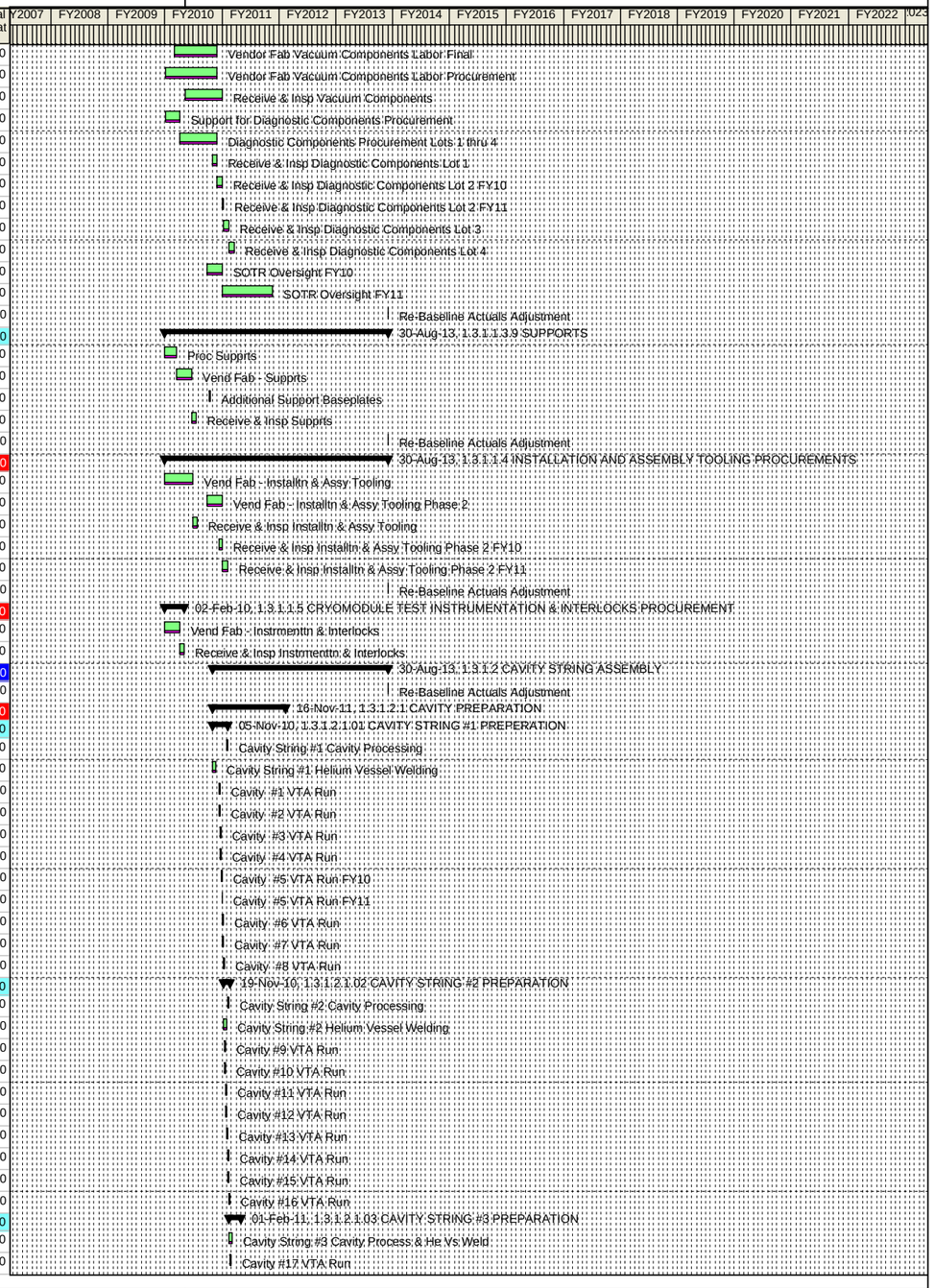
Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
131138025a	Vendor Fab Vacuum Components Labor Final	01-Dec-09	31-Aug-10	37.20	$2,237	1.02	$0	$4,736	$2,500	28.80
131138025a5	Vendor Fab Vacuum Components Labor Procurement	05-Oct-09	31-Aug-10	45.00	$0	0.00	$786,919	$786,919	$0	28.80
131138030	Receive & Insp Vacuum Components	05-Feb-10	30-Sep-10	33.20	$8,708	4.90	$0	$9,806	$1,099	28.80
131138035	Support for Diagnostic Components Procurement	05-Oct-09	06-Jan-10	12.00	$7,433	3.50	$0	$14,575	$7,142	44.60
131138037	Diagnostic Components Procurement Lots 1 thru 4	04-Jan-10	31-Aug-10	33.60	$0	0.00	$393,460	$393,460	$0	15.60
131138040	Receive & Insp Diagnostic Components Lot 1	04-Aug-10	01-Sep-10	4.20	$5,211	2.50	$0	$8,233	$3,022	15.60
131138045	Receive & Insp Diagnostic Components Lot 2 FY10	02-Sep-10	30-Sep-10	4.00	$4,169	2.00	$0	$6,586	$2,417	47.40
131138045a	Receive & Insp Diagnostic Components Lot 2 FY11	01-Oct-10	07-Oct-10	1.00	$1,075	0.50	$0	$1,699	$624	47.40
131138050	Receive & Insp Diagnostic Components Lot 3	08-Oct-10	11-Nov-10	5.00	$5,377	2.50	$0	$8,495	$3,118	61.60
131138055	Receive & Insp Diagnostic Components Lot 4	12-Nov-10	20-Dec-10	5.00	$5,377	2.50	$0	$8,495	$3,118	66.80
131138060L	SOTR Oversight FY10	01-Jul-10	30-Sep-10	12.80	$16,858	6.40	$0	$16,858	$0	87.00
131138065L	SOTR Oversight FY11	01-Oct-10	23-Aug-11	44.20	$62,514	23.00	$0	$62,514	$0	87.00
131138070	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$407,553	$407,553	$0	4.00
1.3.1.1.3.9 SUPPORTS		01-Oct-09	30-Aug-13	194.20	$8,154	3.90	$112,435	$126,632	$6,043	4.00
131139010	Proc Supprts	01-Oct-09	11-Dec-09	10.00	$2,041	0.90	$0	$2,041	$0	52.20
131139015	Vend Fab - Supprts	14-Dec-09	24-Mar-10	13.00	$4,444	2.00	$54,939	$64,877	$5,494	52.20
131139020	Additional Support Baseplates	12-Jul-10	16-Jul-10	1.00	$0	0.00	$70,000	$70,000	$0	52.20
131139025	Receive & Insp Supprts	25-Mar-10	15-Apr-10	3.20	$1,670	1.00	$0	$2,219	$549	52.20
131139030	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($12,505)	($12,505)	$0	4.00
1.3.1.1.4 INSTALLATION AND ASSEMBLY TOOLING PROCUREMENTS		01-Oct-09	30-Aug-13	194.20	$227,481	114.00	$597,426	$863,197	$38,290	4.00
13114010	Vend Fab - Installtn & Assy Tooling	01-Oct-09	31-Mar-10	24.00	$0	0.00	$68,125	$73,619	$5,494	42.40
13114012	Vend Fab - Installtn & Assy Tooling Phase 2	01-Jul-10	30-Sep-10	12.80	$0	0.00	$300,000	$300,000	$0	15.80
13114015	Receive & Insp Installtn & Assy Tooling	01-Apr-10	28-Apr-10	4.00	$25,013	12.00	$0	$27,210	$2,198	42.40
13114020	Receive & Insp Installtn & Assy Tooling Phase 2 FY10	10-Sep-10	30-Sep-10	3.00	$74,444	38.25	$0	$85,694	$11,250	15.80
13114020a	Receive & Insp Installtn & Assy Tooling Phase 2 FY11	01-Oct-10	04-Nov-10	5.00	$128,025	63.75	$0	$147,373	$19,348	15.80
13114025	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$229,301	$229,301	$0	4.00
1.3.1.1.5 CRYOMODULE TEST INSTRUMENTATION & INTERLOCKS PROCUREMENT		01-Oct-09	02-Feb-10	16.00	$0	0.00	$0	$0	$0	62.40
13115010	Vend Fab - Instrmenttn & Interlocks	01-Oct-09	04-Jan-10	12.00	$0	0.00	$0	$0	$0	62.40
13115015	Receive & Insp Instrmenttn & Interlocks	05-Jan-10	02-Feb-10	4.00	$0	0.00	$0	$0	$0	62.40
1.3.1.2 CAVITY STRING ASSEMBLY		05-Aug-10	30-Aug-13	152.60	$1,130,181	531.60	($212,822)	$1,191,015	$273,656	4.00
1312000	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($212,822)	($212,822)	$0	4.00
1.3.1.2.1 CAVITY PREPARATION		05-Aug-10	16-Nov-11	64.20	$474,880	210.60	$0	$576,290	$101,410	19.60
1.3.1.2.1.01 CAVITY STRING #1 PREPERATION		05-Aug-10	05-Nov-10	13.20	$46,641	21.06	$0	$56,721	$10,080	20.20
1312101002	Cavity String #1 Cavity Processing	01-Nov-10	05-Nov-10	1.00	$8,509	4.76	$0	$17,589	$9,080	20.20
1312101005	Cavity String #1 Helium Vessel Welding	05-Aug-10	25-Aug-10	3.00	$6,048	3.50	$0	$7,048	$1,000	11.40
1312101030	Cavity #1 VTA Run	10-Sep-10	16-Sep-10	1.00	$3,957	1.60	$0	$3,957	$0	7.40
1312101035	Cavity #2 VTA Run	15-Sep-10	21-Sep-10	1.00	$3,957	1.60	$0	$3,957	$0	7.40
1312101040	Cavity #3 VTA Run	20-Sep-10	24-Sep-10	1.00	$3,957	1.60	$0	$3,957	$0	7.40
1312101045	Cavity #4 VTA Run	23-Sep-10	29-Sep-10	1.00	$3,957	1.60	$0	$3,957	$0	7.40
1312101050	Cavity #5 VTA Run FY10	28-Sep-10	30-Sep-10	0.60	$2,374	0.96	$0	$2,374	$0	7.40
1312101050a	Cavity #5 VTA Run FY11	01-Oct-10	04-Oct-10	0.40	$1,633	0.64	$0	$1,633	$0	7.40
1312101055	Cavity #6 VTA Run	01-Oct-10	07-Oct-10	1.00	$4,083	1.60	$0	$4,083	$0	7.40
1312101060	Cavity #7 VTA Run	06-Oct-10	12-Oct-10	1.00	$4,083	1.60	$0	$4,083	$0	7.40
1312101065	Cavity #8 VTA Run	11-Oct-10	15-Oct-10	1.00	$4,083	1.60	$0	$4,083	$0	7.40
1.3.1.2.1.02 CAVITY STRING #2 PREPARATION		08-Oct-10	19-Nov-10	6.20	$47,414	21.06	$0	$57,526	$10,112	19.20
1312102002	Cavity String #2 Cavity Processing	08-Nov-10	12-Nov-10	1.00	$8,509	4.76	$0	$17,589	$9,080	20.20
1312102005	Cavity String #2 Helium Vessel Welding	08-Oct-10	28-Oct-10	3.00	$6,241	3.50	$0	$7,273	$1,032	7.40
1312102030	Cavity #9 VTA Run	15-Oct-10	21-Oct-10	1.00	$4,083	1.60	$0	$4,083	$0	7.40
1312102035	Cavity #10 VTA Run	20-Oct-10	26-Oct-10	1.00	$4,083	1.60	$0	$4,083	$0	7.40
1312102040	Cavity #11 VTA Run	25-Oct-10	29-Oct-10	1.00	$4,083	1.60	$0	$4,083	$0	7.40
1312102045	Cavity #12 VTA Run	28-Oct-10	03-Nov-10	1.00	$4,083	1.60	$0	$4,083	$0	7.40
1312102050	Cavity #13 VTA Run	02-Nov-10	08-Nov-10	1.00	$4,083	1.60	$0	$4,083	$0	7.40
1312102055	Cavity #14 VTA Run	05-Nov-10	11-Nov-10	1.00	$4,083	1.60	$0	$4,083	$0	7.40
1312102060	Cavity #15 VTA Run	10-Nov-10	16-Nov-10	1.00	$4,083	1.60	$0	$4,083	$0	7.40
1312102065	Cavity #16 VTA Run	15-Nov-10	19-Nov-10	1.00	$4,083	1.60	$0	$4,083	$0	7.40
1.3.1.2.1.03 CAVITY STRING #3 PREPARATION		15-Nov-10	01-Feb-11	9.60	$47,414	21.06	$0	$57,526	$10,112	19.80
1312103005	Cavity String #3 Cavity Process & He Vs Weld	15-Nov-10	08-Dec-10	3.20	$14,750	8.26	$0	$24,862	$10,112	20.20
1312103030	Cavity #17 VTA Run	23-Nov-10	01-Dec-10	1.00	$4,083	1.60	$0	$4,083	$0	20.20



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Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
1312103035	Cavity #18 VTA Run	30-Nov-10	06-Dec-10	1.00	$4,083	1.60	$0	$4,083	$0	20.20
1312103040	Cavity #19 VTA Run	03-Dec-10	09-Dec-10	1.00	$4,083	1.60	$0	$4,083	$0	20.20
1312103045	Cavity #20 VTA Run	08-Dec-10	14-Dec-10	1.00	$4,083	1.60	$0	$4,083	$0	20.20
1312103050	Cavity #21 VTA Run	13-Dec-10	17-Dec-10	1.00	$4,083	1.60	$0	$4,083	$0	20.20
1312103055	Cavity #22 VTA Run	18-Jan-11	24-Jan-11	1.00	$4,083	1.60	$0	$4,083	$0	19.80
1312103060	Cavity #23 VTA Run	21-Jan-11	27-Jan-11	1.00	$4,083	1.60	$0	$4,083	$0	19.80
1312103065	Cavity #24 VTA Run	26-Jan-11	01-Feb-11	1.00	$4,083	1.60	$0	$4,083	$0	19.80
1.3.1.2.1.04	**CAVITY STRING #4 PREPARATION**	09-Dec-10	08-Mar-11	11.20	$47,414	21.06	$0	$57,526	$10,112	19.80
1312104005	Cavity String #4 Cavity Process & He Vs Weld	09-Dec-10	07-Jan-11	3.20	$14,750	8.26	$0	$24,862	$10,112	24.60
1312104030	Cavity#25 VTA Run	31-Jan-11	04-Feb-11	1.00	$4,083	1.60	$0	$4,083	$0	19.80
1312104035	Cavity#26 VTA Run	03-Feb-11	09-Feb-11	1.00	$4,083	1.60	$0	$4,083	$0	19.80
1312104040	Cavity#27 VTA Run	08-Feb-11	14-Feb-11	1.00	$4,083	1.60	$0	$4,083	$0	19.80
1312104045	Cavity#28 VTA Run	11-Feb-11	17-Feb-11	1.00	$4,083	1.60	$0	$4,083	$0	19.80
1312104050	Cavity#29 VTA Run	16-Feb-11	23-Feb-11	1.00	$4,083	1.60	$0	$4,083	$0	19.80
1312104055	Cavity#30 VTA Run	22-Feb-11	28-Feb-11	1.00	$4,083	1.60	$0	$4,083	$0	19.80
1312104060	Cavity#31 VTA Run	25-Feb-11	03-Mar-11	1.00	$4,083	1.60	$0	$4,083	$0	19.80
1312104065	Cavity#32 VTA Run	02-Mar-11	08-Mar-11	1.00	$4,083	1.60	$0	$4,083	$0	19.80
1.3.1.2.1.05	**CAVITY STRING #5 PREPARATION**	15-Feb-11	13-Apr-11	8.20	$47,414	21.06	$0	$57,526	$10,112	19.80
1312105005	Cavity String #5 Cavity Process & He Vs Weld	15-Feb-11	09-Mar-11	3.20	$14,750	8.26	$0	$24,862	$10,112	21.60
1312105030	Cavity #33 VTA Run	09-Mar-11	15-Mar-11	1.00	$4,083	1.60	$0	$4,083	$0	19.80
1312105035	Cavity #34 VTA Run	14-Mar-11	18-Mar-11	1.00	$4,083	1.60	$0	$4,083	$0	19.80
1312105040	Cavity #35 VTA Run	17-Mar-11	23-Mar-11	1.00	$4,083	1.60	$0	$4,083	$0	19.80
1312105045	Cavity #36 VTA Run	22-Mar-11	28-Mar-11	1.00	$4,083	1.60	$0	$4,083	$0	19.80
1312105050	Cavity #37 VTA Run	25-Mar-11	31-Mar-11	1.00	$4,083	1.60	$0	$4,083	$0	19.80
1312105055	Cavity #38 VTA Run	30-Mar-11	05-Apr-11	1.00	$4,083	1.60	$0	$4,083	$0	19.80
1312105060	Cavity #39 VTA Run	04-Apr-11	08-Apr-11	1.00	$4,083	1.60	$0	$4,083	$0	19.80
1312105065	Cavity #40 VTA Run	07-Apr-11	13-Apr-11	1.00	$4,083	1.60	$0	$4,083	$0	19.80
1.3.1.2.1.06	**CAVITY STRING #6 PREPARATION**	21-Mar-11	17-May-11	8.40	$47,414	21.06	$0	$57,526	$10,112	19.80
1312106005	Cavity String #6 Cavity Process & He Vs Weld	21-Mar-11	11-Apr-11	3.20	$14,750	8.26	$0	$24,862	$10,112	21.80
1312106030	Cavity #41 VTA Run	12-Apr-11	18-Apr-11	1.00	$4,083	1.60	$0	$4,083	$0	19.80
1312106035	Cavity #42 VTA Run	15-Apr-11	21-Apr-11	1.00	$4,083	1.60	$0	$4,083	$0	19.80
1312106040	Cavity #43 VTA Run	20-Apr-11	26-Apr-11	1.00	$4,083	1.60	$0	$4,083	$0	19.80
1312106045	Cavity #44 VTA Run	25-Apr-11	29-Apr-11	1.00	$4,083	1.60	$0	$4,083	$0	19.80
1312106050	Cavity #45 VTA Run	28-Apr-11	04-May-11	1.00	$4,083	1.60	$0	$4,083	$0	19.80
1312106055	Cavity #46 VTA Run	03-May-11	09-May-11	1.00	$4,083	1.60	$0	$4,083	$0	19.80
1312106060	Cavity #47 VTA Run	06-May-11	12-May-11	1.00	$4,083	1.60	$0	$4,083	$0	19.80
1312106065	Cavity #48 VTA Run	11-May-11	17-May-11	1.00	$4,083	1.60	$0	$4,083	$0	19.80
1.3.1.2.1.07	**CAVITY STRING #7 PREPARATION**	20-Apr-11	21-Jun-11	8.80	$47,414	21.06	$0	$57,526	$10,112	19.80
1312107005	Cavity String #7 Cavity Process & He Vs Weld	20-Apr-11	11-May-11	3.20	$14,750	8.26	$0	$24,862	$10,112	22.20
1312107030	Cavity #49 VTA Run	16-May-11	20-May-11	1.00	$4,083	1.60	$0	$4,083	$0	19.80
1312107035	Cavity #50 VTA Run	19-May-11	25-May-11	1.00	$4,083	1.60	$0	$4,083	$0	19.80
1312107040	Cavity #51 VTA Run	24-May-11	31-May-11	1.00	$4,083	1.60	$0	$4,083	$0	19.80
1312107045	Cavity #52 VTA Run	27-May-11	03-Jun-11	1.00	$4,083	1.60	$0	$4,083	$0	19.80
1312107050	Cavity #53 VTA Run	02-Jun-11	08-Jun-11	1.00	$4,083	1.60	$0	$4,083	$0	19.80
1312107055	Cavity #54 VTA Run	07-Jun-11	13-Jun-11	1.00	$4,083	1.60	$0	$4,083	$0	19.80
1312107060	Cavity #55 VTA Run	10-Jun-11	16-Jun-11	1.00	$4,083	1.60	$0	$4,083	$0	19.80
1312107065	Cavity #56 VTA Run	15-Jun-11	21-Jun-11	1.00	$4,083	1.60	$0	$4,083	$0	19.80
1.3.1.2.1.08	**CAVITY STRING #8 PREPARATION**	02-Jun-11	26-Aug-11	12.20	$47,414	21.06	$0	$57,526	$10,112	21.40
1312108005	Cavity String #8 Cavity Process & He Vs Weld	02-Jun-11	23-Jun-11	3.20	$14,750	8.26	$0	$24,862	$10,112	21.00
1312108030	Cavity #57 VTA Run	20-Jun-11	24-Jun-11	1.00	$4,083	1.60	$0	$4,083	$0	19.80
1312108035	Cavity #58 VTA Run	23-Jun-11	29-Jun-11	1.00	$4,083	1.60	$0	$4,083	$0	19.80
1312108040	Cavity #59 VTA Run	01-Aug-11	05-Aug-11	1.00	$4,083	1.60	$0	$4,083	$0	21.40
1312108045	Cavity #60 VTA Run	04-Aug-11	10-Aug-11	1.00	$4,083	1.60	$0	$4,083	$0	21.40
1312108050	Cavity #61 VTA Run	09-Aug-11	15-Aug-11	1.00	$4,083	1.60	$0	$4,083	$0	21.40
1312108055	Cavity #62 VTA Run	12-Aug-11	18-Aug-11	1.00	$4,083	1.60	$0	$4,083	$0	21.40
1312108060	Cavity #63 VTA Run	17-Aug-11	23-Aug-11	1.00	$4,083	1.60	$0	$4,083	$0	21.40
1312108065	Cavity #64 VTA Run	22-Aug-11	26-Aug-11	1.00	$4,083	1.60	$0	$4,083	$0	21.40
1.3.1.2.1.09	**CAVITY STRING #9 PREPARATION**	15-Aug-11	30-Sep-11	6.80	$47,414	21.06	$0	$57,526	$10,112	21.40

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Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
1312109005	Cavity String #9 Cavity Process & He Vs Weld	15-Aug-11	06-Sep-11	3.20	$14,750	8.26	$0	$24,862	$10,112	21.80
1312109030	Cavity #65 VTA Run	25-Aug-11	31-Aug-11	1.00	$4,083	1.60	$0	$4,083	$0	21.40
1312109035	Cavity #66 VTA Run	30-Aug-11	06-Sep-11	1.00	$4,083	1.60	$0	$4,083	$0	21.40
1312109040	Cavity #67 VTA Run	02-Sep-11	09-Sep-11	1.00	$4,083	1.60	$0	$4,083	$0	21.40
1312109045	Cavity #68 VTA Run	08-Sep-11	14-Sep-11	1.00	$4,083	1.60	$0	$4,083	$0	21.40
1312109050	Cavity #69 VTA Run	13-Sep-11	19-Sep-11	1.00	$4,083	1.60	$0	$4,083	$0	21.40
1312109055	Cavity #70 VTA Run	16-Sep-11	22-Sep-11	1.00	$4,083	1.60	$0	$4,083	$0	21.40
1312109060	Cavity #71 VTA Run	21-Sep-11	27-Sep-11	1.00	$4,083	1.60	$0	$4,083	$0	21.40
1312109065	Cavity #72 VTA Run	26-Sep-11	30-Sep-11	1.00	$4,083	1.60	$0	$4,083	$0	21.40
1.3.1.2.1.10	**CAVITY STRING #10 PREPARATION**	04-Oct-11	16-Nov-11	6.40	$48,925	21.06	$0	$59,359	$10,435	19.60
1312110005	Cavity String #10 Cavity Process & He Vs Weld	04-Oct-11	25-Oct-11	3.20	$15,219	8.26	$0	$25,654	$10,435	19.60
1312110030	Cavity #73 VTA Run	12-Oct-11	18-Oct-11	1.00	$4,213	1.60	$0	$4,213	$0	19.60
1312110035	Cavity #74 VTA Run	17-Oct-11	21-Oct-11	1.00	$4,213	1.60	$0	$4,213	$0	19.60
1312110040	Cavity #75 VTA Run	20-Oct-11	26-Oct-11	1.00	$4,213	1.60	$0	$4,213	$0	19.60
1312110045	Cavity #76 VTA Run	25-Oct-11	31-Oct-11	1.00	$4,213	1.60	$0	$4,213	$0	19.60
1312110050	Cavity #77 VTA Run	28-Oct-11	03-Nov-11	1.00	$4,213	1.60	$0	$4,213	$0	19.60
1312110055	Cavity #78 VTA Run	02-Nov-11	08-Nov-11	1.00	$4,213	1.60	$0	$4,213	$0	19.60
1312110060	Cavity #79 VTA Run	07-Nov-11	11-Nov-11	1.00	$4,213	1.60	$0	$4,213	$0	19.60
1312110065	Cavity #80 VTA Run	10-Nov-11	16-Nov-11	1.00	$4,213	1.60	$0	$4,213	$0	19.60
1.3.1.2.4	**STRING ASSEMBLY**	01-Nov-10	21-Feb-12	63.80	$655,302	321.00	$0	$827,547	$172,246	10.00
1.3.1.2.4.01	**CAVITY STRING ASSEMBLY #1**	01-Nov-10	15-Nov-10	2.20	$85,355	43.10	$0	$102,362	$17,008	7.40
1312401000	Cavity String Assy #1	01-Nov-10	12-Nov-10	2.00	$85,355	43.10	$0	$102,362	$17,008	7.40
1312401010	Transfer to CM #1 Assy	15-Nov-10	15-Nov-10	0.20	$0	0.00	$0	$0	$0	7.40
1.3.1.2.4.02	**CAVITY STRING ASSEMBLY #2**	22-Nov-10	07-Mar-11	13.20	$74,197	37.10	$0	$91,204	$17,008	7.40
1312402000	Cavity String Assy #2	22-Nov-10	07-Dec-10	2.00	$74,197	37.10	$0	$91,204	$17,008	7.40
1312402010	Transfer to CM #2 Assy	07-Mar-11	07-Mar-11	0.20	$0	0.00	$0	$0	$0	7.40
1.3.1.2.4.03	**CAVITY STRING ASSEMBLY #3**	22-Mar-11	05-Apr-11	2.20	$60,998	30.10	$0	$78,005	$17,008	22.80
1312403000	Cavity String Assy #3	22-Mar-11	04-Apr-11	2.00	$60,998	30.10	$0	$78,005	$17,008	22.80
1312403010	Transfer to CM #3 Assy	05-Apr-11	05-Apr-11	0.20	$0	0.00	$0	$0	$0	22.80
1.3.1.2.4.04	**CAVITY STRING ASSEMBLY #4**	03-May-11	17-May-11	2.20	$60,998	30.10	$0	$78,005	$17,008	20.00
1312404000	Cavity String Assy #4	03-May-11	16-May-11	2.00	$60,998	30.10	$0	$78,005	$17,008	20.00
1312404010	Transfer to CM #4 Assy	17-May-11	17-May-11	0.20	$0	0.00	$0	$0	$0	20.00
1.3.1.2.4.05	**CAVITY STRING ASSEMBLY #5**	25-May-11	09-Jun-11	2.20	$60,998	30.10	$0	$78,005	$17,008	28.80
1312405000	Cavity String Assy #5	25-May-11	08-Jun-11	2.00	$60,998	30.10	$0	$78,005	$17,008	22.80
1312405010	Transfer to CM #5 Assy	09-Jun-11	09-Jun-11	0.20	$0	0.00	$0	$0	$0	28.80
1.3.1.2.4.06	**CAVITY STRING ASSEMBLY #6**	17-Jun-11	21-Nov-11	22.00	$60,998	30.10	$0	$78,005	$17,008	10.00
1312406000	Cavity String Assy #6	17-Jun-11	30-Jun-11	2.00	$60,998	30.10	$0	$78,005	$17,008	29.80
1312406010	Transfer to CM #6 Assy	21-Nov-11	21-Nov-11	0.20	$0	0.00	$0	$0	$0	10.00
1.3.1.2.4.07	**CAVITY STRING ASSEMBLY #7**	30-Nov-11	14-Dec-11	2.20	$62,940	30.10	$0	$80,490	$17,550	10.00
1312407000	Cavity String Assy #7	30-Nov-11	13-Dec-11	2.00	$62,940	30.10	$0	$80,490	$17,550	10.00
1312407010	Transfer to CM #7 Assy	14-Dec-11	14-Dec-11	0.20	$0	0.00	$0	$0	$0	10.00
1.3.1.2.4.08	**CAVITY STRING ASSEMBLY #8**	21-Dec-11	12-Jan-12	2.20	$62,940	30.10	$0	$80,490	$17,550	10.00
1312408000	Cavity String Assy #8	21-Dec-11	11-Jan-12	2.00	$62,940	30.10	$0	$80,490	$17,550	10.00
1312408010	Transfer to CM #8 Assy	12-Jan-12	12-Jan-12	0.20	$0	0.00	$0	$0	$0	10.00
1.3.1.2.4.09	**CAVITY STRING ASSEMBLY #9**	20-Jan-12	03-Feb-12	2.20	$62,940	30.10	$0	$80,490	$17,550	10.00
1312409000	Cavity String Assy #9	20-Jan-12	02-Feb-12	2.00	$62,940	30.10	$0	$80,490	$17,550	10.00
1312409010	Transfer to CM #9 Assy	03-Feb-12	03-Feb-12	0.20	$0	0.00	$0	$0	$0	10.00
1.3.1.2.4.10	**CAVITY STRING ASSEMBLY #10**	06-Feb-12	21-Feb-12	2.20	$62,940	30.10	$0	$80,490	$17,550	10.00
1312410000	Cavity String Assy #10	06-Feb-12	17-Feb-12	2.00	$62,940	30.10	$0	$80,490	$17,550	10.00
1312410010	Transfer to CM #10 Assy	21-Feb-12	21-Feb-12	0.20	$0	0.00	$0	$0	$0	10.00
1.3.1.3	**CRYOMODULE ASSEMBLY**	16-Nov-10	30-Aug-13	138.20	$1,942,725	1057.35	($63,124)	$2,101,568	$221,968	4.00
1.3.1.3.01	**SPACE FRAME ASSEMBLY**	16-Nov-10	30-Aug-13	138.20	$945,067	516.79	($122,565)	$930,251	$107,749	4.00
131301001	Space Frame Assy #1	16-Nov-10	21-Jan-11	8.00	$125,732	64.00	$0	$136,051	$10,319	14.40
131301002	Space Frame Assy #2	08-Mar-11	25-Apr-11	7.00	$101,622	55.00	$0	$111,941	$10,319	7.40
131301003	Space Frame Assy #3	06-Apr-11	17-May-11	6.00	$93,478	52.00	$0	$103,797	$10,319	22.80
131301004	Space Frame Assy #4	15-Jun-11	27-Jul-11	6.00	$83,887	47.70	$0	$94,206	$10,319	16.20
131301005	Space Frame Assy #5	30-Jun-11	11-Aug-11	6.00	$83,887	47.70	$0	$94,206	$10,319	26.00
131301006	Space Frame Assy #6	22-Nov-11	27-Jan-12	8.00	$86,556	47.70	$0	$97,204	$10,648	18.40
131301006a	Space Frame Assy #6 Reverse entry	01-Feb-12	01-Feb-12	0.20	($86,556)	-47.70	$0	($97,204)	($10,648)	30.60

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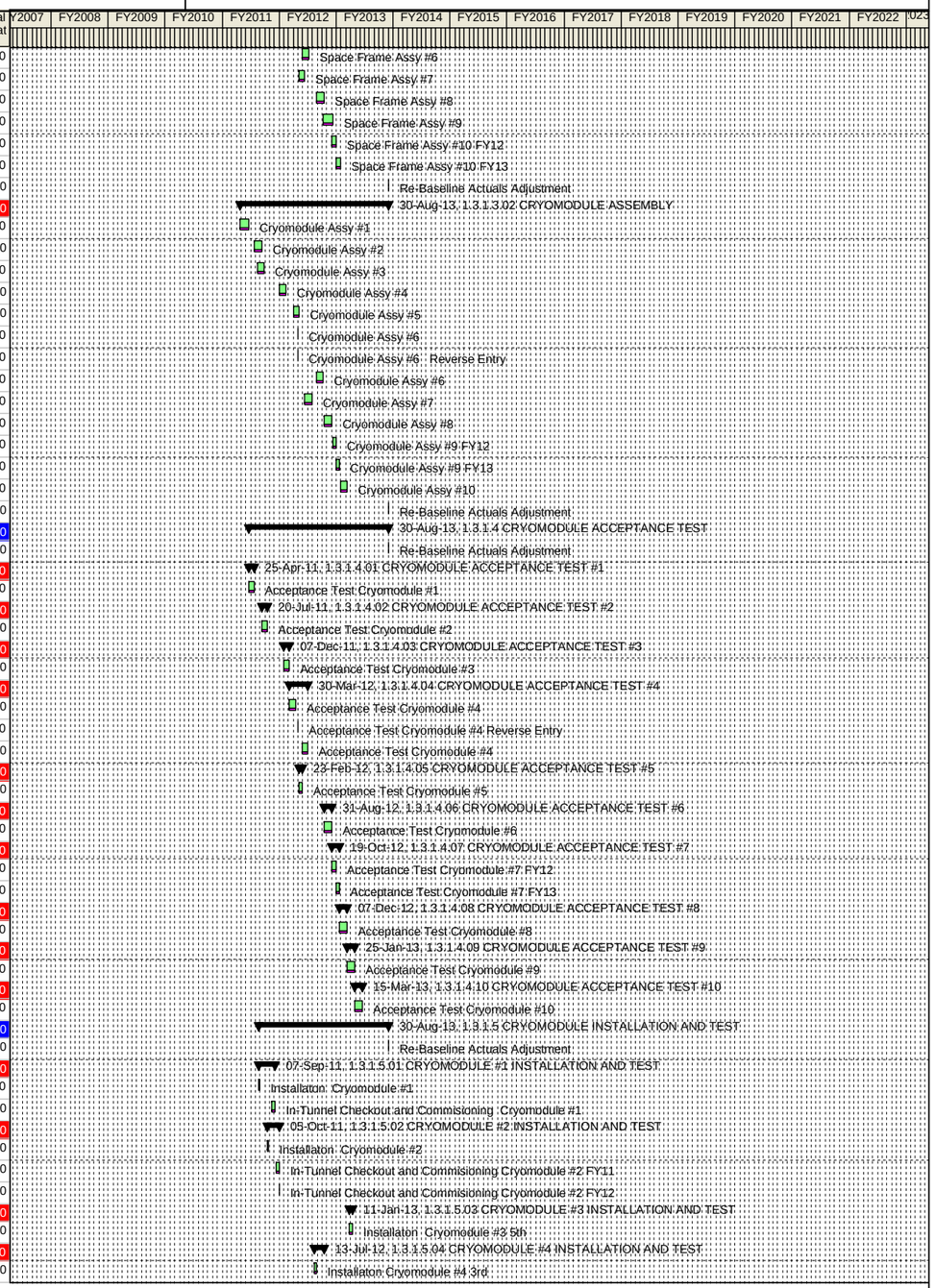
Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
131301006b	Space Frame Assy #6	27-Feb-12	06-Apr-12	6.00	$86,556	47.70	$0	$97,204	$10,648	30.60
131301007	Space Frame Assy #7	03-Feb-12	08-Mar-12	4.80	$86,556	47.70	$0	$97,204	$10,648	32.40
131301008	Space Frame Assy #8	29-May-12	13-Jul-12	6.60	$86,556	47.70	$0	$97,204	$10,648	28.20
131301009	Space Frame Assy #9	09-Jul-12	07-Sep-12	8.80	$86,556	47.70	$0	$97,204	$10,648	29.20
131301010	Space Frame Assy #10 FY12	04-Sep-12	28-Sep-12	3.80	$42,168	23.24	$0	$47,356	$5,188	28.20
131301010a	Space Frame Assy #10 FY13	01-Oct-12	26-Oct-12	4.00	$68,069	36.35	$0	$76,442	$8,373	28.20
131301015	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($122,565)	($122,565)	$0	4.00
1.3.1.3.02 CRYOMODULE ASSEMBLY		24-Jan-11	30-Aug-13	130.20	$997,657	540.56	$59,441	$1,171,317	$114,219	4.00
131302001	Cryomodule Assy #1	24-Jan-11	21-Mar-11	8.00	$125,732	64.00	$0	$136,051	$10,319	14.40
131302002	Cryomodule Assy #2	26-Apr-11	14-Jun-11	7.00	$101,622	55.00	$0	$111,941	$10,319	7.40
131302003	Cryomodule Assy #3	18-May-11	29-Jun-11	6.00	$93,478	52.00	$0	$103,797	$10,319	22.80
131302004	Cryomodule Assy #4	03-Oct-11	11-Nov-11	6.00	$86,556	47.70	$0	$97,204	$10,648	7.00
131302005	Cryomodule Assy #5	05-Jan-12	02-Feb-12	4.00	$86,556	47.70	$0	$97,204	$10,648	7.00
131302006	Cryomodule Assy #6	30-Jan-12	31-Jan-12	0.40	$8,656	4.77	$0	$9,720	$1,065	18.40
131302006a	Cryomodule Assy #6 Reverse Entry	01-Feb-12	01-Feb-12	0.20	($8,656)	-4.77	$0	($9,720)	($1,065)	39.80
131302006b	Cryomodule Assy #6	29-May-12	06-Jul-12	5.60	$86,556	47.70	$0	$97,204	$10,648	23.60
131302007	Cryomodule Assy #7	09-Mar-12	26-Apr-12	7.00	$86,556	47.70	$0	$97,204	$10,648	32.40
131302008	Cryomodule Assy #8	16-Jul-12	31-Aug-12	7.00	$86,556	47.70	$0	$97,204	$10,648	28.20
131302009	Cryomodule Assy #9 FY12	10-Sep-12	28-Sep-12	3.00	$43,278	23.85	$0	$48,602	$5,324	29.20
131302009a	Cryomodule Assy #9 FY13	01-Oct-12	19-Oct-12	3.00	$66,923	35.74	$0	$75,156	$8,232	29.20
131302010	Cryomodule Assy #10	29-Oct-12	07-Dec-12	5.60	$133,844	71.48	$0	$150,309	$16,465	28.20
131302015	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$59,441	$59,441	$0	4.00
1.3.1.4 CRYOMODULE ACCEPTANCE TEST		22-Mar-11	30-Aug-13	122.20	$547,015	212.86	($5,230)	$600,579	$58,794	4.00
1314000	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($5,230)	($5,230)	$0	4.00
1.3.1.4.01 CRYOMODULE ACCEPTANCE TEST #1		22-Mar-11	25-Apr-11	5.00	$78,987	29.00	$0	$84,146	$5,160	14.40
131401000	Acceptance Test Cryomodule #1	22-Mar-11	25-Apr-11	5.00	$78,987	29.00	$0	$84,146	$5,160	14.40
1.3.1.4.02 CRYOMODULE ACCEPTANCE TEST #2		15-Jun-11	20-Jul-11	5.00	$59,039	22.50	$0	$64,199	$5,160	7.40
131402000	Acceptance Test Cryomodule #2	15-Jun-11	20-Jul-11	5.00	$59,039	22.50	$0	$64,199	$5,160	7.40
1.3.1.4.03 CRYOMODULE ACCEPTANCE TEST #3		01-Nov-11	07-Dec-11	5.00	$44,919	18.00	$0	$50,243	$5,324	9.80
131403000	Acceptance Test Cryomodule #3	01-Nov-11	07-Dec-11	5.00	$44,919	18.00	$0	$50,243	$5,324	9.80
1.3.1.4.04 CRYOMODULE ACCEPTANCE TEST #4		08-Dec-11	30-Mar-12	14.80	$44,919	18.00	$0	$50,243	$5,324	7.00
131404000	Acceptance Test Cryomodule #4	08-Dec-11	12-Jan-12	4.00	$44,919	18.00	$0	$50,243	$5,324	9.80
131404005	Acceptance Test Cryomodule #4 Reverse Entry	01-Feb-12	01-Feb-12	0.20	($44,919)	-18.00	$0	($50,243)	($5,324)	10.20
131404010	Acceptance Test Cryomodule #4	27-Feb-12	30-Mar-12	5.00	$44,919	18.00	$0	$50,243	$5,324	7.00
1.3.1.4.05 CRYOMODULE ACCEPTANCE TEST #5		03-Feb-12	23-Feb-12	2.80	$44,919	18.00	$0	$50,243	$5,324	7.00
131405000	Acceptance Test Cryomodule #5	03-Feb-12	23-Feb-12	2.80	$44,919	18.00	$0	$50,243	$5,324	7.00
1.3.1.4.06 CRYOMODULE ACCEPTANCE TEST #6		16-Jul-12	31-Aug-12	7.00	$44,919	18.00	$0	$50,243	$5,324	22.60
131406000	Acceptance Test Cryomodule #6	16-Jul-12	31-Aug-12	7.00	$44,919	18.00	$0	$50,243	$5,324	22.60
1.3.1.4.07 CRYOMODULE ACCEPTANCE TEST #7		04-Sep-12	19-Oct-12	6.80	$45,552	18.00	$0	$50,951	$5,399	22.60
131407000	Acceptance Test Cryomodule #7 FY12	04-Sep-12	28-Sep-12	3.80	$25,102	10.06	$0	$28,077	$2,975	22.60
131407000a	Acceptance Test Cryomodule #7 FY13	01-Oct-12	19-Oct-12	3.00	$20,450	7.94	$0	$22,874	$2,424	22.60
1.3.1.4.08 CRYOMODULE ACCEPTANCE TEST #8		22-Oct-12	07-Dec-12	6.60	$61,254	23.79	$0	$68,514	$7,260	22.60
131408000	Acceptance Test Cryomodule #8	22-Oct-12	07-Dec-12	6.60	$61,254	23.79	$0	$68,514	$7,260	22.60
1.3.1.4.09 CRYOMODULE ACCEPTANCE TEST #9		10-Dec-12	25-Jan-13	5.60	$61,254	23.79	$0	$68,514	$7,260	22.60
131409000	Acceptance Test Cryomodule #9	10-Dec-12	25-Jan-13	5.60	$61,254	23.79	$0	$68,514	$7,260	22.60
1.3.1.4.10 CRYOMODULE ACCEPTANCE TEST #10		28-Jan-13	15-Mar-13	6.80	$61,254	23.79	$0	$68,514	$7,260	22.60
131410000	Acceptance Test Cryomodule #10	28-Jan-13	15-Mar-13	6.80	$61,254	23.79	$0	$68,514	$7,260	22.60
1.3.1.5 CRYOMODULE INSTALLATION AND TEST		23-May-11	30-Aug-13	113.40	$241,990	108.06	$58,387	$321,372	$20,995	6.00
1315000	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$58,387	$58,387	$0	4.00
1.3.1.5.01 CRYOMODULE #1 INSTALLATION AND TEST		23-May-11	07-Sep-11	15.00	$45,255	19.00	$0	$50,414	$5,160	3.80
131501000	Installaton Cryomodule #1	23-May-11	27-May-11	1.00	$1,723	1.00	$0	$1,723	$0	12.00
131501005	In-Tunnel Checkout and Commisioning Cryomodule #1	12-Aug-11	07-Sep-11	3.60	$43,532	18.00	$0	$48,692	$5,160	3.80
1.3.1.5.02 CRYOMODULE #2 INSTALLATION AND TEST		21-Jul-11	05-Oct-11	10.80	$45,486	19.00	$0	$50,673	$5,187	2.40
131502000	Installaton Cryomodule #2	21-Jul-11	27-Jul-11	1.00	$1,723	1.00	$0	$1,723	$0	7.40
131502005	In-Tunnel Checkout and Commisioning Cryomodule #2 FY11	12-Sep-11	30-Sep-11	3.00	$36,276	15.00	$0	$40,576	$4,300	2.40
131502005a	In-Tunnel Checkout and Commisioning Cryomodule #2 FY12	03-Oct-11	05-Oct-11	0.60	$7,487	3.00	$0	$8,375	$887	2.40
1.3.1.5.03 CRYOMODULE #3 INSTALLATION AND TEST		21-Dec-12	11-Jan-13	2.00	$10,168	5.54	$0	$10,168	$0	9.00
131503000	Installaton Cryomodule #3 5th	21-Dec-12	11-Jan-13	2.00	$10,168	5.54	$0	$10,168	$0	9.00
1.3.1.5.04 CRYOMODULE #4 INSTALLATION AND TEST		14-May-12	13-Jul-12	8.60	$45,122	18.40	$0	$50,446	$5,324	62.40
131504000	Installaton Cryomodule #4 3rd	14-May-12	25-May-12	2.00	$1,778	1.00	$0	$1,778	$0	7.00



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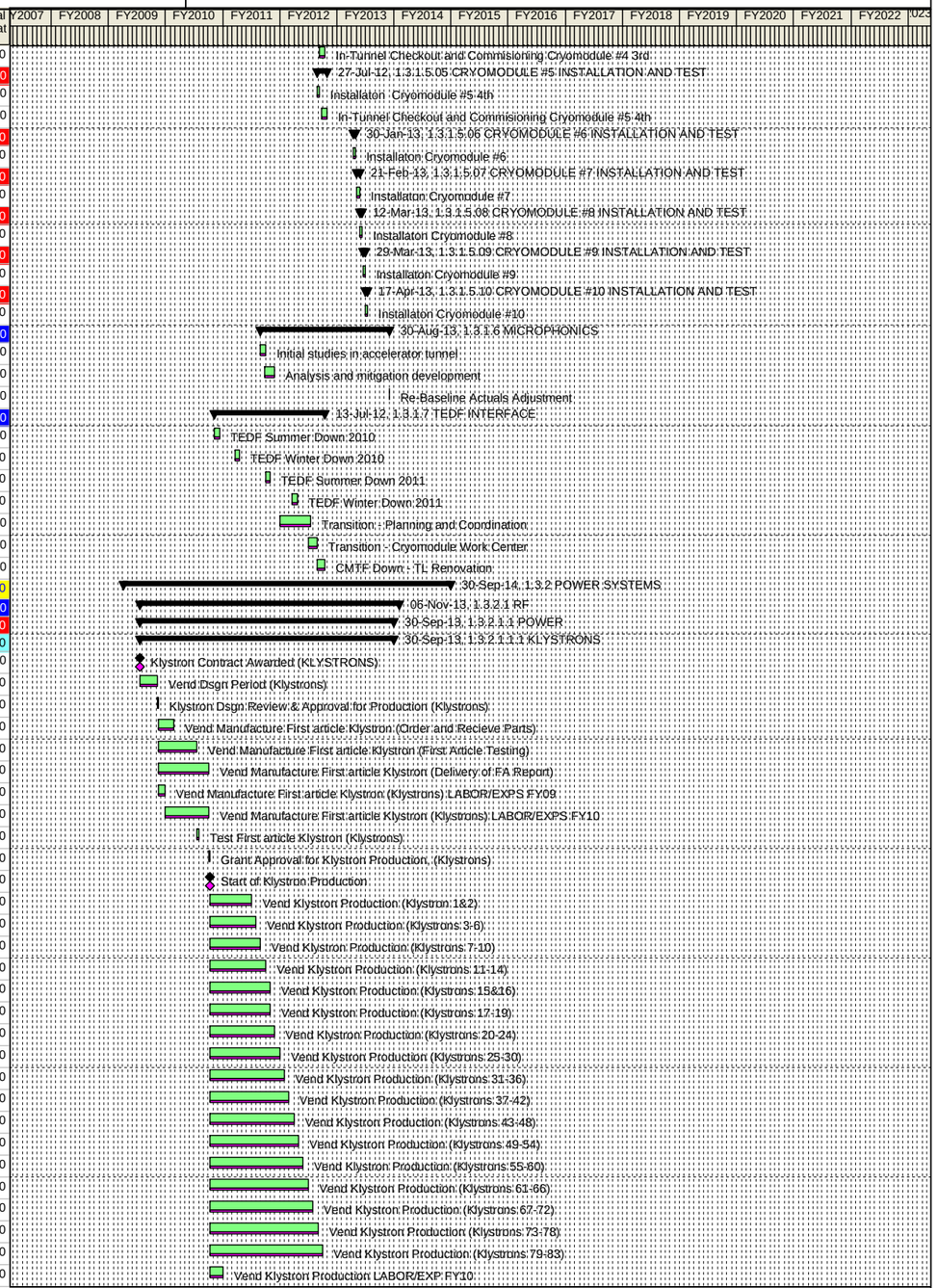
Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
131504005	In-Tunnel Checkout and Commisioning Cryomodule #4 3rd	13-Jun-12	13-Jul-12	4.60	$43,344	17.40	$0	$48,668	$5,324	62.40
1.3.1.5.05 CRYOMODULE #5 INSTALLATION AND TEST		29-May-12	27-Jul-12	8.60	$45,122	18.40	$0	$50,446	$5,324	7.00
131505000	Installaton Cryomodule #5 4th	29-May-12	08-Jun-12	1.60	$1,778	1.00	$0	$1,778	$0	7.00
131505005	In-Tunnel Checkout and Commisioning Cryomodule #5 4th	25-Jun-12	27-Jul-12	5.00	$43,344	17.40	$0	$48,668	$5,324	7.00
1.3.1.5.06 CRYOMODULE #6 INSTALLATION AND TEST		17-Jan-13	30-Jan-13	1.80	$10,168	5.54	$0	$10,168	$0	11.40
131506000	Installaton Cryomodule #6	17-Jan-13	30-Jan-13	1.80	$10,168	5.54	$0	$10,168	$0	11.40
1.3.1.5.07 CRYOMODULE #7 INSTALLATION AND TEST		07-Feb-13	21-Feb-13	2.00	$10,168	5.54	$0	$10,168	$0	13.20
131507000	Installaton Cryomodule #7	07-Feb-13	21-Feb-13	2.00	$10,168	5.54	$0	$10,168	$0	13.20
1.3.1.5.08 CRYOMODULE #8 INSTALLATION AND TEST		27-Feb-13	12-Mar-13	2.00	$10,168	5.54	$0	$10,168	$0	15.60
131508000	Installaton Cryomodule #8	27-Feb-13	12-Mar-13	2.00	$10,168	5.54	$0	$10,168	$0	15.60
1.3.1.5.09 CRYOMODULE #9 INSTALLATION AND TEST		18-Mar-13	29-Mar-13	2.00	$10,168	5.54	$0	$10,168	$0	17.80
131509000	Installaton Cryomodule #9	18-Mar-13	29-Mar-13	2.00	$10,168	5.54	$0	$10,168	$0	17.80
1.3.1.5.10 CRYOMODULE #10 INSTALLATION AND TEST		04-Apr-13	17-Apr-13	2.00	$10,168	5.54	$0	$10,168	$0	20.00
131510000	Installaton Cryomodule #10	04-Apr-13	17-Apr-13	2.00	$10,168	5.54	$0	$10,168	$0	20.00
1.3.1.6 MICROPHONICS		01-Jun-11	30-Aug-13	112.20	$250,000	111.37	$12,446	$262,446	$0	4.00
1316005	Initial studies in accelerator tunnel	01-Jun-11	30-Jun-11	4.40	$125,000	58.03	$0	$125,000	$0	4.40
1316010	Analysis and mitigation development	24-Jun-11	30-Aug-11	9.40	$125,000	53.35	$0	$125,000	$0	4.40
1316015	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$12,446	$12,446	$0	4.00
1.3.1.7 TEDF INTERFACE		10-Aug-10	13-Jul-12	95.60	$0	0.00	$0	$0	$0	0.00
1317000	TEDF Summer Down 2010	10-Aug-10	09-Sep-10	4.40	$0	0.00	$0	$0	$0	7.40
1317005	TEDF Winter Down 2010	20-Dec-10	14-Jan-11	2.80	$0	0.00	$0	$0	$0	19.80
1317010	TEDF Summer Down 2011	01-Jul-11	29-Jul-11	4.00	$0	0.00	$0	$0	$0	19.60
1317015	TEDF Winter Down 2011	19-Dec-11	20-Jan-12	3.60	$0	0.00	$0	$0	$0	15.80
1317020	Transition - Planning and Coordination	03-Oct-11	13-Apr-12	26.00	$0	0.00	$0	$0	$0	0.00
1317025	Transition - Cryomodule Work Center	02-Apr-12*	25-May-12	8.00	$0	0.00	$0	$0	$0	0.00
1317035	CMTF Down - TL Renovation	29-May-12	13-Jul-12*	6.60	$0	0.00	$0	$0	$0	0.00
1.3.2 POWER SYSTEMS		02-Jan-09	30-Sep-14	285.60	$4,611,970	2275.32	$13,054,979	$18,035,440	$368,491	52.00
1.3.2.1 RF		21-Apr-09	06-Nov-13	226.40	$2,936,930	1444.69	$7,935,192	$11,060,054	$187,931	6.60
1.3.2.1.1 POWER		21-Apr-09	30-Sep-13	221.00	$1,364,145	670.62	$7,052,390	$8,525,738	$109,203	12.00
1.3.2.1.1.1 KLYSTRONS		21-Apr-09	30-Sep-13	221.00	$337,759	92.00	$3,626,422	$3,987,857	$23,676	12.00
132111025M	Klystron Contract Awarded (KLYSTRONS)	21-Apr-09		0.00	$0	0.00	$0	$0	$0	-7.40
132111030	Vend Dsgn Period (Klystrons)	21-Apr-09	07-Aug-09	15.40	$0	0.00	$98,456	$98,456	$0	30.80
132111035	Klystron Dsgn Review & Approval for Production (Klystrons)	10-Aug-09	14-Aug-09	1.00	$9,331	4.20	$0	$9,331	$0	30.80
132111040	Vend Manufacture First article Klystron (Order and Recieve Parts)	17-Aug-09	20-Nov-09	13.80	$0	0.00	$147,684	$147,684	$0	69.40
132111040A	Vend Manufacture First article Klystron (First Article Testing)	17-Aug-09	21-Apr-10	33.40	$0	0.00	$196,912	$196,912	$0	41.20
132111040B	Vend Manufacture First article Klystron (Delivery of FA Report)	17-Aug-09	06-Jul-10	43.80	$0	0.00	$49,228	$49,228	$0	30.80
132111042	Vend Manufacture First article Klystron (Klystrons) LABOR/EXPS FY09	17-Aug-09	30-Sep-09	6.40	$0	0.00	$0	$806	$806	30.80
132111042b	Vend Manufacture First article Klystron (Klystrons) LABOR/EXPS FY10	01-Oct-09	06-Jul-10	37.40	$0	0.00	$0	$4,859	$4,859	30.80
132111045	Test First article Klystron (Klystrons)	21-Apr-10	04-May-10	2.00	$8,104	4.00	$0	$14,334	$6,230	39.40
132111049	Grant Approval for Klystron Production, (Klystrons)	07-Jul-10	13-Jul-10	1.00	$795	0.30	$0	$795	$0	30.80
132111049M	Start of Klystron Production	14-Jul-10		0.00	$0	0.00	$0	$0	$0	30.80
132111050	Vend Klystron Production (Klystron 1&2)	14-Jul-10	31-Mar-11	35.20	$0	0.00	$73,514	$73,514	$0	52.40
132111050A	Vend Klystron Production (Klystrons 3-6)	14-Jul-10	29-Apr-11	39.40	$0	0.00	$147,028	$147,028	$0	122.40
132111050B	Vend Klystron Production (Klystrons 7-10)	14-Jul-10	27-May-11	43.40	$0	0.00	$147,028	$147,028	$0	118.40
132111050C	Vend Klystron Production (Klystrons 11-14)	14-Jul-10	30-Jun-11	48.00	$0	0.00	$147,028	$147,028	$0	113.80
132111050D	Vend Klystron Production (Klystrons 15&16)	14-Jul-10	29-Jul-11	52.00	$0	0.00	$73,514	$73,514	$0	109.80
132111050F	Vend Klystron Production (Klystrons 17-19)	14-Jul-10	29-Jul-11	52.00	$0	0.00	$110,271	$110,271	$0	109.80
132111050G	Vend Klystron Production (Klystrons 20-24)	14-Jul-10	31-Aug-11	56.60	$0	0.00	$183,785	$183,785	$0	105.20
132111050H	Vend Klystron Production (Klystrons 25-30)	14-Jul-10	30-Sep-11	60.80	$0	0.00	$220,542	$220,542	$0	101.00
132111050i	Vend Klystron Production (Klystrons 31-36)	14-Jul-10	31-Oct-11	65.00	$0	0.00	$220,542	$220,542	$0	96.80
132111050J	Vend Klystron Production (Klystrons 37-42)	14-Jul-10	30-Nov-11	69.00	$0	0.00	$220,542	$220,542	$0	30.80
132111050K	Vend Klystron Production (Klystrons 43-48)	14-Jul-10	30-Dec-11	72.40	$0	0.00	$220,542	$220,542	$0	89.40
132111050L	Vend Klystron Production (Klystrons 49-54)	14-Jul-10	31-Jan-12	76.40	$0	0.00	$220,542	$220,542	$0	85.40
132111050N	Vend Klystron Production (Klystrons 55-60)	14-Jul-10	29-Feb-12	80.40	$0	0.00	$220,542	$220,542	$0	81.40
132111050o	Vend Klystron Production (Klystrons 61-66)	14-Jul-10	30-Mar-12	84.80	$0	0.00	$220,542	$220,542	$0	54.40
132111050P	Vend Klystron Production (Klystrons 67-72)	14-Jul-10	30-Apr-12	89.00	$0	0.00	$220,542	$220,542	$0	72.80
132111050Q	Vend Klystron Production (Klystrons 73-78)	14-Jul-10	31-May-12	93.40	$0	0.00	$220,542	$220,542	$0	68.40
132111050R	Vend Klystron Production (Klystrons 79-83)	14-Jul-10	29-Jun-12	97.40	$0	0.00	$183,785	$183,785	$0	64.40
132111052	Vend Klystron Production LABOR/EXP FY10	14-Jul-10	30-Sep-10	11.20	$131	0.05	$0	$1,526	$1,396	70.80



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Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
132111052a	Vend Klystron Production LABOR/EXP FY11	01-Oct-10	30-Sep-11	49.60	$596	0.22	$0	$6,974	$6,378	70.80
132111052ab	Vend Klystron Production LABOR/EXP FY12	03-Oct-11	14-May-12	30.20	$375	0.13	$0	$4,382	$4,007	70.80
132111055	Receive & Test Production Klystrons FY11	01-Apr-11	30-Sep-11	25.60	$11,095	5.87	$0	$11,095	$0	52.40
132111055a	Receive & Test Production Klystrons FY12	03-Oct-11	24-Sep-12	48.60	$21,732	11.13	$0	$21,732	$0	52.40
132111057M	Production Klystrons Received and Tested		24-Sep-12	0.00	$0	0.00	$0	$0	$0	52.40
132111060	Release Prcrmnt Package, Driver Amplifer (Klystrons)	07-Dec-10	13-Dec-10	1.00	$274	0.10	$0	$274	$0	58.60
132111065	Receive & Evaluate Driver Amplifer Proposals (Klystrons)	14-Dec-10	02-Feb-11	6.00	$1,368	0.50	$0	$1,368	$0	58.60
132111068	Bid Driver Amplifer Prcrmnt (Klystrons)	03-Feb-11	16-Feb-11	2.00	$274	0.10	$0	$274	$0	58.60
132111069M	Award Driver Amplifer Prcrmnt (KLYSTRONS)	17-Feb-11		0.00	$0	0.00	$0	$0	$0	58.60
132111070	Vend Fab Driver Amplifer 1st Article (Klystrons)	17-Feb-11	03-Mar-11	2.00	$0	0.00	$30,156	$30,156	$0	58.60
132111075	Dsgn Review for Driver Amplifer (Klystrons)	04-Mar-11	14-Apr-11	6.00	$547	0.20	$0	$547	$0	58.60
132111080	Vendor Fab Lot 1 Driver Amplifers (Klystrons) Labor FY11	15-Apr-11	30-Sep-11	23.60	$2,049	1.09	$0	$2,049	$0	58.60
132111080a	Vendor Fab Lot 1 Driver Amplifers (Klystrons) Labor FY12	03-Oct-11	18-Oct-11	2.40	$215	0.11	$0	$215	$0	58.60
132111080b	Vendor Fab Lot 1 Driver Amplifers (Klystrons) Procurement	15-Apr-11	18-Oct-11	26.00	$0	0.00	$28,346	$28,346	$0	58.60
132111115	Vendor Fab Lot 2 of Driver Amplifers (Klystrons)	19-Oct-11	09-Aug-12	40.00	$0	0.00	$61,574	$61,574	$0	58.60
132111115M	Driver amplfier Prcrmnt Comp (KLYSTRONS)		09-Aug-12	0.00	$0	0.00	$0	$0	$0	58.60
132111911L	Proj Admin (2011) ongoing (Klystrons)	01-Oct-09	30-Sep-10	49.60	$93,386	22.00	$0	$93,386	$0	4.00
132111912L	Proj Admin (2012) ongoing (Klystrons)	01-Oct-10	30-Sep-11	49.60	$96,369	22.00	$0	$96,369	$0	4.00
132111913L	Proj Admin (2013) ongoing (Klystrons)	03-Oct-11	28-Sep-12	49.40	$67,800	15.00	$0	$67,800	$0	4.00
132111914L	Proj Admin (2014) ongoing (Klystrons) *** Re-Baseline Split	01-Oct-12	30-Aug-13	45.60	$21,439	4.60	$0	$21,439	$0	4.00
132111950	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($36,764)	($36,764)	$0	4.00
232111914L	Proj Admin ongoing (Klystrons)	03-Sep-13	30-Sep-13	4.00	$1,881	0.40	$0	$1,881	$0	11.60
1.3.2.1.1.2 DC POWER		18-Jun-09	30-Aug-13	208.80	$788,486	449.46	$2,040,905	$2,897,024	$67,633	4.00
132112081M	First Zone Installed/Tested (DC Power)		04-Aug-11	0.00	$0	0.00	$0	$0	$0	3.80
132112082M	Second Zone Installed/Tested (DC Power)		01-Sep-11	0.00	$0	0.00	$0	$0	$0	2.40
132112083M	Third Zone Installed/Tested (DC Power)		30-Sep-11	0.00	$0	0.00	$0	$0	$0	37.00
132112084M	Fourth Zone Installed/Tested (DC Power)		30-Nov-11	0.00	$0	0.00	$0	$0	$0	30.80
132112085M	Fifth Zones Installed/Tested (DC Power)		20-Dec-12	0.00	$0	0.00	$0	$0	$0	9.00
132112086M	Sixth Zone Installed/Tested (DC Power)		16-Jan-13	0.00	$0	0.00	$0	$0	$0	10.20
132112087M	Seventh Zone Installed/Tested (DC Power)		06-Feb-13	0.00	$0	0.00	$0	$0	$0	12.20
132112088M	Eighth Zone Installed/Tested (DC Power)		26-Feb-13	0.00	$0	0.00	$0	$0	$0	14.60
132112089M	Ninth Zone Installed/Tested (DC Power)		15-Mar-13	0.00	$0	0.00	$0	$0	$0	16.80
132112090M	Tenth Zone Installed/Tested (DC Power)		03-Apr-13	0.00	$0	0.00	$0	$0	$0	19.00
1.3.2.1.1.2.1 High Voltage Power Supply		18-Jun-09	30-Aug-13	208.80	$9,033	3.50	$1,193,889	$1,208,246	$5,324	4.00
1321121000	Bid HVPS	18-Jun-09	31-Jul-09	6.20	$2,569	1.00	$0	$2,569	$0	16.20
1321121005	Evaluate HVPS	03-Aug-09	17-Sep-09	6.60	$5,138	2.00	$0	$5,138	$0	16.20
1321121010	Award HVPS Lot 1 (3)	01-Oct-09	07-Oct-09	1.00	$1,325	0.50	$0	$1,325	$0	14.40
1321121015	Fabricate HVPS Lot 1 (3) Original Expenses	08-Oct-09	30-Sep-10	48.60	$0	0.00	$0	$5,324	$5,324	15.40
1321121020	Vend Fab HVPS Peg Point #1 Design Review	04-Jan-10	31-Mar-10	12.20	$0	0.00	$71,950	$71,950	$0	2.40
1321121025	Vend Fab HVPS Peg Point #2 Special Non Stock parts for 10 Systems	04-Jan-10	30-Jul-10	29.20	$0	0.00	$170,550	$170,550	$0	2.40
1321121030	Vend Fab HVPS Peg Point #3 Test 1st Article	04-Jan-10	30-Nov-10	46.00	$0	0.00	$33,265	$33,265	$0	2.40
1321121035	Vend Fab HVPS Peg Point #4 Ship and Accept 1st Article	04-Jan-10	30-Dec-10	49.40	$0	0.00	$117,633	$117,633	$0	2.40
1321121040	Vend Fab HVPS Peg Point #5 Ship and Accept unit #2	04-Jan-10	28-Feb-11	57.20	$0	0.00	$82,633	$82,633	$0	2.40
1321121045	Vend Fab HVPS Peg Point #6 Ship and Accept unit #3	04-Jan-10	31-Mar-11	61.80	$0	0.00	$83,133	$83,133	$0	9.00
1321121050	Vend Fab HVPS Peg Point #7 Ship and Accept unit #4	04-Jan-10	29-Apr-11	66.00	$0	0.00	$82,633	$82,633	$0	9.00
1321121055	Vend Fab HVPS Peg Point #8 Ship and Accept unit #5	04-Jan-10	31-May-11	70.20	$0	0.00	$82,633	$82,633	$0	9.00
1321121060	Vend Fab HVPS Peg Point #9 Ship and Accept unit #6	04-Jan-10	30-Sep-11	87.40	$0	0.00	$82,633	$82,633	$0	54.00
1321121065	Vend Fab HVPS Peg Point #10 Ship and Accept unit #7	04-Jan-10	31-Oct-11	91.60	$0	0.00	$82,633	$82,633	$0	58.80
1321121070	Vend Fab HVPS Peg Point #11 Ship and Accept unit #8	04-Jan-10	30-Nov-11	95.60	$0	0.00	$82,633	$82,633	$0	63.80
1321121075	Vend Fab HVPS Peg Point #12 Ship and Accept unit #9	04-Jan-10	31-Jan-12	103.00	$0	0.00	$82,633	$82,633	$0	67.40
1321121080	Vend Fab HVPS Peg Point #13 Ship and Accept unit #10	04-Jan-10	31-Jan-12	103.00	$0	0.00	$82,633	$82,633	$0	72.20
1321121085	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$56,294	$56,294	$0	4.00
1.3.2.1.1.2.2 High Power Amplifier		01-Oct-09	30-Aug-13	194.20	$779,453	445.96	$847,016	$1,688,778	$62,309	4.00
1321122000	Order/Receive Components: Aux PS, Cabling	01-Oct-09	08-Feb-10	16.80	$9,762	5.00	$296,019	$305,781	$0	70.20
132112200	Components: Aux PS, Cabling Received	09-Feb-10		0.00	$0	0.00	$0	$0	$0	70.20
1321122005	Fabricate: Aux PS, Cabling FY10	09-Feb-10	30-Sep-10	32.80	$143,265	86.41	$0	$143,265	$0	70.20
132112200	Fabricate: Aux PS, Cabling FY11	01-Oct-10	01-Nov-10	4.40	$19,831	11.59	$0	$19,831	$0	70.20

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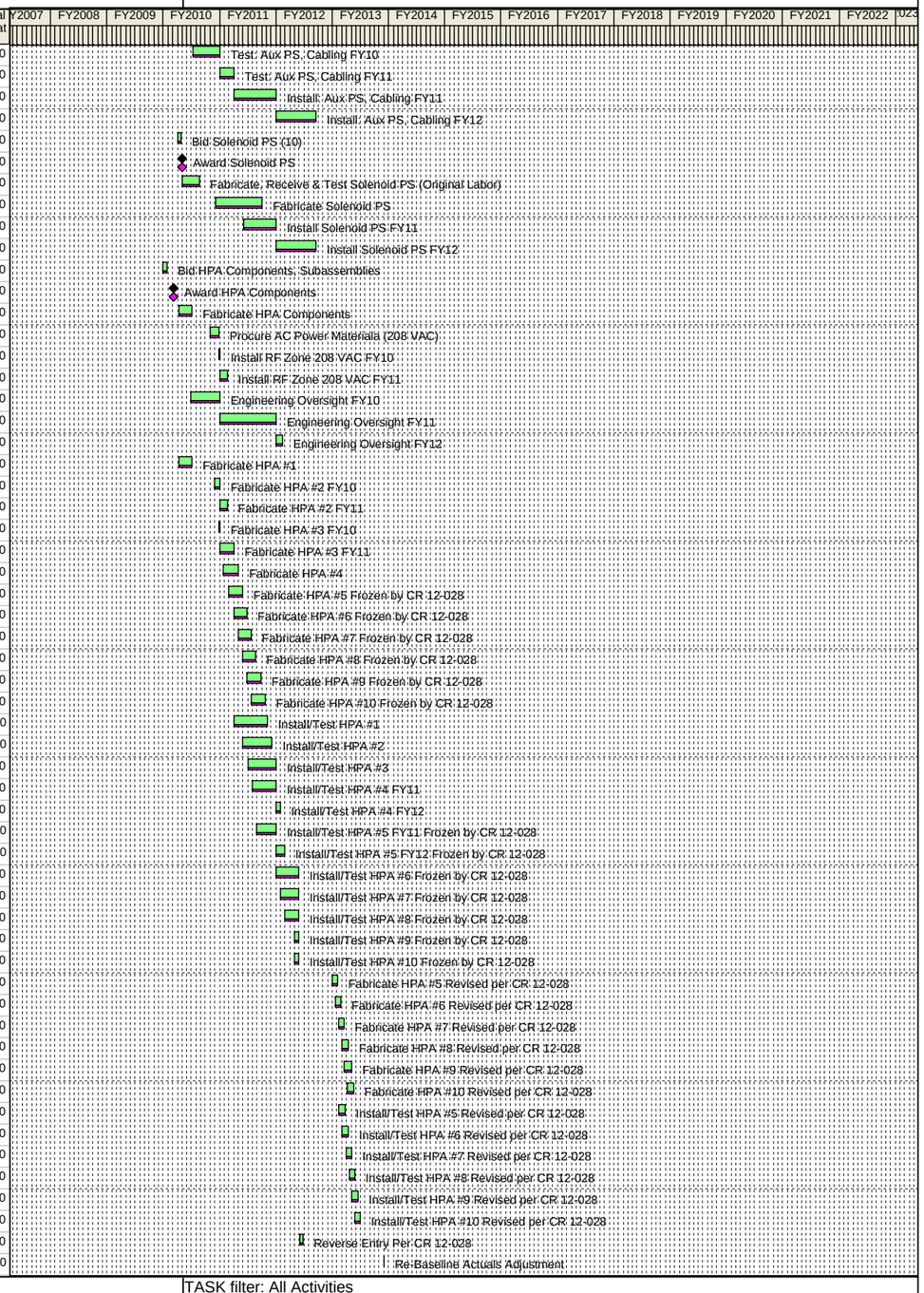
Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
1321122010	Test: Aux PS, Cabling FY10	15-Apr-10	30-Sep-10	23.60	$18,465	10.94	$0	$18,465	$0	70.20
132112201	Test: Aux PS, Cabling FY11	01-Oct-10	04-Jan-11	12.00	$9,688	5.56	$0	$9,688	$0	70.20
1321122015	Install: Aux PS, Cabling FY11	05-Jan-11	30-Sep-11	37.60	$22,923	13.24	$0	$22,923	$0	58.20
132112201	Install: Aux PS, Cabling FY12	03-Oct-11	18-Jun-12	34.80	$21,890	12.26	$0	$21,890	$0	58.20
1321122020	Bid Solenoid PS (10)	05-Jan-10	26-Jan-10	3.00	$1,325	0.50	$0	$1,325	$0	72.20
132112202	Award Solenoid PS	03-Feb-10		0.00	$0	0.00	$0	$0	$0	72.20
1321122025	Fabricate, Receive & Test Solenoid PS (Original Labor)	03-Feb-10	26-May-10	16.00	$4,641	2.50	$0	$4,641	$0	72.20
1321122026	Fabricate Solenoid PS	07-Sep-10	30-Jun-11	40.40	$0	0.00	$258,751	$258,751	$0	58.20
1321122030	Install Solenoid PS FY11	10-Mar-11	30-Sep-11	28.80	$3,099	1.81	$0	$3,099	$0	58.20
132112203	Install Solenoid PS FY12	03-Oct-11	18-Jun-12	34.80	$3,864	2.19	$0	$3,864	$0	58.20
1321122035	Bid HPA Components, Subassemblies	01-Oct-09	23-Oct-09	3.40	$9,650	5.50	$0	$9,650	$0	17.20
132112203	Award HPA Components	09-Dec-09		0.00	$0	0.00	$0	$0	$0	17.20
1321122040	Fabricate HPA Components	08-Jan-10	07-Apr-10	12.40	$3,339	2.00	$310,927	$314,266	$0	14.00
1321122041	Procure AC Power Materiala (208 VAC)	02-Aug-10	27-Sep-10	8.00	$2,651	1.00	$0	$47,651	$45,000	83.80
1321122042	Install RF Zone 208 VAC FY10	28-Sep-10	30-Sep-10	0.60	$2,262	1.80	$0	$2,262	$0	83.80
132112204	Install RF Zone 208 VAC FY11	01-Oct-10	22-Nov-10	7.40	$28,789	22.20	$0	$28,789	$0	83.80
132112204	Engineering Oversight FY10	01-Apr-10	30-Sep-10	25.60	$13,320	5.03	$0	$13,320	$0	86.80
132112204	Engineering Oversight FY11	01-Oct-10	30-Sep-11	49.60	$26,668	9.75	$0	$26,668	$0	86.80
132112204	Engineering Oversight FY12	03-Oct-11	14-Nov-11	6.20	$3,457	1.23	$0	$3,457	$0	86.80
1321122050	Fabricate HPA #1	12-Jan-10	07-Apr-10	12.00	$26,198	15.50	$0	$34,716	$8,519	14.00
1321122055	Fabricate HPA #2 FY10	01-Sep-10	30-Sep-10	4.20	$8,505	5.08	$0	$8,505	$0	14.00
132112205	Fabricate HPA #2 FY11	01-Oct-10	24-Nov-10	7.80	$16,298	9.43	$0	$16,298	$0	14.00
1321122060	Fabricate HPA #3 FY10	30-Sep-10	30-Sep-10	0.20	$405	0.24	$0	$405	$0	21.60
132112206	Fabricate HPA #3 FY11	01-Oct-10	31-Dec-10	11.80	$24,657	14.26	$0	$24,657	$0	21.60
1321122065	Fabricate HPA #4	28-Oct-10	01-Feb-11	12.00	$25,074	14.50	$0	$25,074	$0	21.60
1321122070	Fabricate HPA #5 Frozen by CR 12-028	29-Nov-10	02-Mar-11	12.00	$25,074	14.50	$0	$25,074	$0	21.60
1321122075	Fabricate HPA #6 Frozen by CR 12-028	04-Jan-11	30-Mar-11	12.00	$25,074	14.50	$0	$25,074	$0	79.80
1321122080	Fabricate HPA #7 Frozen by CR 12-028	02-Feb-11	27-Apr-11	12.00	$25,074	14.50	$0	$25,074	$0	84.80
1321122085	Fabricate HPA #8 Frozen by CR 12-028	03-Mar-11	25-May-11	12.00	$25,074	14.50	$0	$25,074	$0	89.80
1321122090	Fabricate HPA #9 Frozen by CR 12-028	31-Mar-11	23-Jun-11	12.00	$25,074	14.50	$0	$25,074	$0	98.00
1321122095	Fabricate HPA #10 Frozen by CR 12-028	28-Apr-11	22-Jul-11	12.00	$25,074	14.50	$0	$25,074	$0	98.80
1321122100	Install/Test HPA #1	31-Dec-10	04-Aug-11	30.00	$16,796	9.80	$0	$25,586	$8,790	3.80
1321122105	Install/Test HPA #2	01-Mar-11	01-Sep-11	26.20	$16,796	9.80	$0	$16,796	$0	2.40
1321122110	Install/Test HPA #3	01-Apr-11	30-Sep-11	25.60	$16,796	9.80	$0	$16,796	$0	37.00
1321122115	Install/Test HPA #4 FY11	02-May-11	30-Sep-11	21.40	$14,151	8.26	$0	$14,151	$0	35.00
132112211	Install/Test HPA #4 FY12	03-Oct-11	28-Oct-11	4.00	$2,729	1.54	$0	$2,729	$0	35.00
1321122120	Install/Test HPA #5 FY11 Frozen by CR 12-028	01-Jun-11	30-Sep-11	17.20	$11,464	6.69	$0	$11,464	$0	9.00
132112212	Install/Test HPA #5 FY12 Frozen by CR 12-028	03-Oct-11	29-Nov-11	8.00	$5,502	3.11	$0	$5,502	$0	9.00
1321122125	Install/Test HPA #6 Frozen by CR 12-028	03-Oct-11	29-Feb-12	19.60	$9,230	5.22	$0	$9,230	$0	54.00
1321122130	Install/Test HPA #7 Frozen by CR 12-028	01-Nov-11	29-Feb-12	15.40	$7,253	4.10	$0	$7,253	$0	58.80
1321122135	Install/Test HPA #8 Frozen by CR 12-028	01-Dec-11	29-Feb-12	11.40	$5,458	3.09	$0	$5,458	$0	63.80
1321122140	Install/Test HPA #9 Frozen by CR 12-028	01-Feb-12	29-Feb-12	4.00	$1,925	1.09	$0	$1,925	$0	68.60
1321122145	Install/Test HPA #10 Frozen by CR 12-028	01-Feb-12	29-Feb-12	4.00	$1,936	1.10	$0	$1,936	$0	73.40
1321122150	Fabricate HPA #5 Revised per CR 12-028	01-Oct-12	02-Nov-12	5.00	$13,349	7.25	$0	$13,349	$0	10.20
1321122155	Fabricate HPA #6 Revised per CR 12-028	22-Oct-12	27-Nov-12	5.00	$13,349	7.25	$0	$13,349	$0	11.00
1321122160	Fabricate HPA #7 Revised per CR 12-028	12-Nov-12	18-Dec-12	5.00	$13,349	7.25	$0	$13,349	$0	12.80
1321122165	Fabricate HPA #8 Revised per CR 12-028	05-Dec-12	16-Jan-13	5.00	$13,349	7.25	$0	$13,349	$0	14.80
1321122170	Fabricate HPA #9 Revised per CR 12-028	19-Dec-12	31-Jan-13	5.00	$13,349	7.25	$0	$13,349	$0	17.60
1321122175	Fabricate HPA #10 Revised per CR 12-028	10-Jan-13	14-Feb-13	5.00	$13,349	7.25	$0	$13,349	$0	20.40
1321122180	Install/Test HPA #5 Revised per CR 12-028	13-Nov-12	20-Dec-12	5.20	$17,884	9.80	$0	$17,884	$0	10.20
1321122185	Install/Test HPA #6 Revised per CR 12-028	04-Dec-12	16-Jan-13	5.20	$17,884	9.80	$0	$17,884	$0	10.20
1321122190	Install/Test HPA #7 Revised per CR 12-028	31-Dec-12	06-Feb-13	5.20	$17,884	9.80	$0	$17,884	$0	12.20
1321122195	Install/Test HPA #8 Revised per CR 12-028	18-Jan-13	26-Feb-13	5.20	$17,884	9.80	$0	$17,884	$0	14.60
1321122200	Install/Test HPA #9 Revised per CR 12-028	07-Feb-13	15-Mar-13	5.20	$17,884	9.80	$0	$17,884	$0	16.80
1321122205	Install/Test HPA #10 Revised per CR 12-028	27-Feb-13	03-Apr-13	5.20	$8,942	4.90	$0	$8,942	$0	19.00
1321122210	Reverse Entry Per CR 12-028	05-Mar-12	23-Mar-12	3.00	($109,507)	-61.53	$0	($109,507)	$0	26.40
1321122215	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($18,681)	($18,681)	$0	4.00



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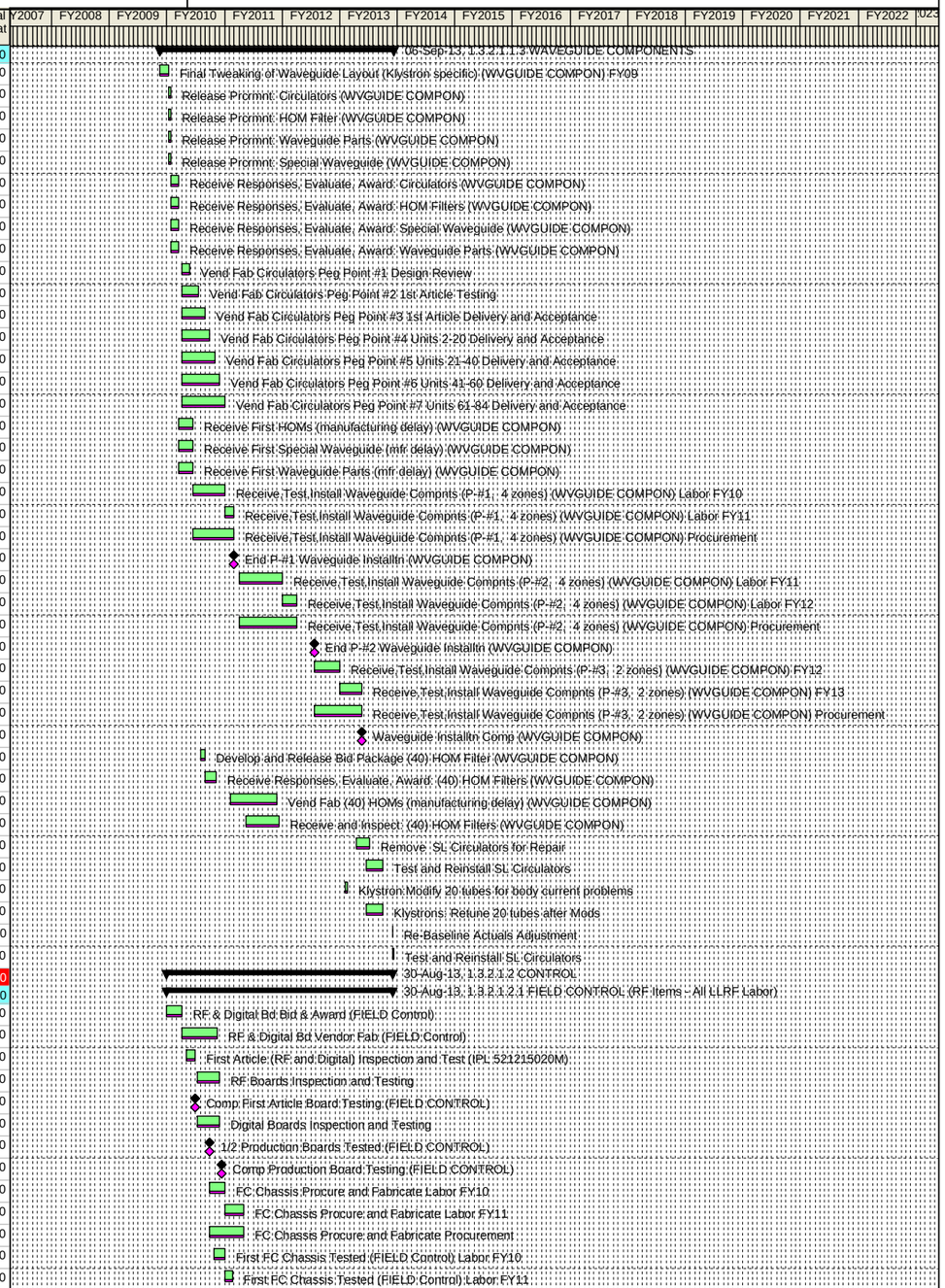
Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
1.3.2.1.1.3	**WAVEGUIDE COMPONENTS**	19-Aug-09	06-Sep-13	201.00	$237,900	129.17	$1,385,063	$1,640,858	$17,895	14.20
132113000	Final Tweaking of Waveguide Layout (Klystron specific) (WVGUIDE COMPON) FY09	19-Aug-09	14-Oct-09	8.00	$8,714	4.00	$0	$12,560	$3,846	37.60
132113005	Release Prcrmnt: Circulators (WVGUIDE COMPON)	15-Oct-09	28-Oct-09	2.00	$530	0.20	$0	$530	$0	47.40
132113010	Release Prcrmnt: HOM Filter (WVGUIDE COMPON)	15-Oct-09	28-Oct-09	2.00	$530	0.20	$0	$530	$0	37.60
132113015	Release Prcrmnt: Waveguide Parts (WVGUIDE COMPON)	15-Oct-09	28-Oct-09	2.00	$530	0.20	$0	$530	$0	37.60
132113020	Release Prcrmnt: Special Waveguide (WVGUIDE COMPON)	15-Oct-09	28-Oct-09	2.00	$530	0.20	$0	$530	$0	37.60
132113025	Receive Responses, Evaluate, Award: Circulators (WVGUIDE COMPON)	29-Oct-09	11-Dec-09	6.00	$530	0.20	$0	$530	$0	47.40
132113030	Receive Responses, Evaluate, Award: HOM Filters (WVGUIDE COMPON)	29-Oct-09	11-Dec-09	6.00	$530	0.20	$0	$530	$0	37.60
132113035	Receive Responses, Evaluate, Award: Special Waveguide (WVGUIDE COMPON)	29-Oct-09	11-Dec-09	6.00	$530	0.20	$0	$530	$0	37.60
132113040	Receive Responses, Evaluate, Award: Waveguide Parts (WVGUIDE COMPON)	29-Oct-09	11-Dec-09	6.00	$530	0.20	$0	$530	$0	37.60
132113045	Vend Fab Circulators Peg Point #1 Design Review	04-Jan-10	19-Feb-10	6.60	$0	0.00	$0	$0	$0	45.60
132113045A	Vend Fab Circulators Peg Point #2 1st Article Testing	04-Jan-10	20-Apr-10	15.00	$0	0.00	$0	$0	$0	45.60
132113045B	Vend Fab Circulators Peg Point #3 1st Article Delivery and Acceptance	04-Jan-10	28-May-10	20.60	$0	0.00	$8,150	$8,150	$0	45.60
132113045C	Vend Fab Circulators Peg Point #4 Units 2-20 Delivery and Acceptance	04-Jan-10	30-Jun-10	25.00	$0	0.00	$154,850	$154,850	$0	45.60
132113045D	Vend Fab Circulators Peg Point #5 Units 21-40 Delivery and Acceptance	04-Jan-10	30-Jul-10	29.20	$0	0.00	$163,000	$163,000	$0	45.60
132113045F	Vend Fab Circulators Peg Point #6 Units 41-60 Delivery and Acceptance	04-Jan-10	31-Aug-10	33.60	$0	0.00	$163,000	$163,000	$0	45.60
132113045G	Vend Fab Circulators Peg Point #7 Units 61-84 Delivery and Acceptance	04-Jan-10	30-Sep-10	37.80	$0	0.00	$195,600	$195,600	$0	45.60
132113050	Receive First HOMs (manufacturing delay) (WVGUIDE COMPON)	14-Dec-09	17-Mar-10	12.00	$0	0.00	$0	$0	$0	37.60
132113055	Receive First Special Waveguide (mfr delay) (WVGUIDE COMPON)	14-Dec-09	17-Mar-10	12.00	$0	0.00	$0	$0	$0	37.60
132113060	Receive First Waveguide Parts (mfr delay) (WVGUIDE COMPON)	14-Dec-09	17-Mar-10	12.00	$0	0.00	$0	$0	$0	37.60
132113065	Receive,Test,Install Waveguide Compnts (P-#1, 4 zones) (WVGUIDE COMPON) Labor...	18-Mar-10	30-Sep-10	27.60	$54,614	32.10	$0	$59,009	$4,395	37.60
132113065a	Receive,Test,Install Waveguide Compnts (P-#1, 4 zones) (WVGUIDE COMPON) Labor...	01-Oct-10	29-Nov-10	8.00	$16,335	9.30	$0	$17,649	$1,314	37.60
132113065b	Receive,Test,Install Waveguide Compnts (P-#1, 4 zones) (WVGUIDE COMPON) Procu...	18-Mar-10	29-Nov-10	35.60	$0	0.00	$352,749	$352,749	$0	37.60
132113070M	End P-#1 Waveguide Installtn (WVGUIDE COMPON)		29-Nov-10	0.00	$0	0.00	$0	$0	$0	37.60
132113075	Receive,Test,Install Waveguide Compnts (P-#2, 4 zones) (WVGUIDE COMPON) Labor...	05-Jan-11	30-Sep-11	37.60	$54,938	31.46	$0	$59,428	$4,490	33.60
132113075a	Receive,Test,Install Waveguide Compnts (P-#2, 4 zones) (WVGUIDE COMPON) Labor...	03-Oct-11	29-Dec-11	11.40	$17,187	9.54	$0	$18,591	$1,405	33.60
132113075b	Receive,Test,Install Waveguide Compnts (P-#2, 4 zones) (WVGUIDE COMPON) Procu...	05-Jan-11	29-Dec-11	49.00	$0	0.00	$365,213	$365,213	$0	33.60
132113080M	End P-#2 Waveguide Installtn (WVGUIDE COMPON)		24-Apr-12	0.00	$0	0.00	$0	$0	$0	33.60
132113085	Receive,Test,Install Waveguide Compnts (P-#3, 2 zones) (WVGUIDE COMPON) FY12	25-Apr-12	28-Sep-12	22.00	$20,871	11.55	$0	$22,196	$1,326	33.60
132113085a	Receive,Test,Install Waveguide Compnts (P-#3, 2 zones) (WVGUIDE COMPON) FY13	01-Oct-12	14-Feb-13	18.00	$17,621	9.45	$0	$18,740	$1,119	33.60
132113085b	Receive,Test,Install Waveguide Compnts (P-#3, 2 zones) (WVGUIDE COMPON) Procu...	25-Apr-12	14-Feb-13	40.00	$0	0.00	$296,795	$296,795	$0	33.60
132113090M	Waveguide Installtn Comp (WVGUIDE COMPON)		14-Feb-13	0.00	$0	0.00	$0	$0	$0	33.60
132113100	Develop and Release Bid Package (40) HOM Filter (WVGUIDE COMPON)	04-May-10	01-Jun-10	4.00	$2,121	0.80	$0	$2,121	$0	41.40
132113105	Receive Responses, Evaluate, Award: (40) HOM Filters (WVGUIDE COMPON)	02-Jun-10	11-Aug-10	10.00	$2,651	1.00	$0	$2,651	$0	41.40
132113110	Vend Fab (40) HOMs (manufacturing delay) (WVGUIDE COMPON)	05-Nov-10	25-Aug-11	39.60	$0	0.00	$309,570	$309,570	$0	41.40
132113115	Receive and Inspect: (40) HOM Filters (WVGUIDE COMPON)	15-Feb-11	14-Sep-11	29.60	$6,157	3.00	$0	$6,157	$0	41.40
132113120	Remove SL Circulators for Repair	14-Jan-13	05-Apr-13	11.60	$6,958	3.70	$0	$6,958	$0	14.60
132113125	Test and Reinstall SL Circulators	18-Mar-13	01-Jul-13	15.00	$15,261	7.30	$0	$15,261	$0	14.60
132113130	Klystron:Modify 20 tubes for body current problems	05-Nov-12	21-Nov-12	2.60	$2,987	1.40	$0	$2,987	$0	10.40
132113135	Klystrons: Retune 20 tubes after Mods	18-Mar-13	01-Jul-13	15.00	$6,481	2.60	$0	$6,481	$0	10.40
132113140	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($623,865)	($623,865)	$0	4.00
232113125	Test and Reinstall SL Circulators	03-Sep-13	06-Sep-13	0.80	$763	0.37	$0	$763	$0	14.20
1.3.2.1.2	**CONTROL**	01-Oct-09	30-Aug-13	194.20	$1,426,741	706.07	$814,401	$2,311,950	$70,809	6.00
1.3.2.1.2.1	**FIELD CONTROL (RF Items - All LLRF Labor)**	01-Oct-09	30-Aug-13	194.20	$540,792	252.17	$283,392	$845,291	$21,107	4.00
132121000	RF & Digital Bd Bid & Award (FIELD Control)	01-Oct-09	04-Jan-10	12.00	$21,917	10.00	$0	$25,213	$3,296	14.80
132121001	RF & Digital Bd Vendor Fab (FIELD Control)	05-Jan-10	16-Aug-10	31.20	$0	0.00	$417,538	$417,538	$0	14.80
132121005	First Article (RF and Digital) Inspection and Test (IPL 521215020M)	01-Feb-10	29-Mar-10	8.00	$54,410	23.00	$0	$61,211	$6,801	14.80
132121010	RF Boards Inspection and Testing	12-Apr-10	27-Aug-10	19.60	$71,007	33.00	$0	$76,677	$5,670	14.80
132121020M	Comp First Article Board Testing (FIELD CONTROL)		29-Mar-10	0.00	$0	0.00	$0	$0	$0	14.80
132121025	Digital Boards Inspection and Testing	12-Apr-10	27-Aug-10	19.60	$55,040	24.00	$0	$55,040	$0	14.80
132121030M	1/2 Production Boards Tested (FIELD CONTROL)		29-Jun-10	0.00	$0	0.00	$0	$0	$0	25.20
132121035M	Comp Production Board Testing (FIELD CONTROL)		10-Sep-10	0.00	$0	0.00	$0	$0	$0	14.80
132121040	FC Chassis Procure and Fabricate Labor FY10	29-Jun-10	30-Sep-10	13.20	$38,787	22.30	$0	$38,787	$0	53.60
132121040a	FC Chassis Procure and Fabricate Labor FY11	01-Oct-10	01-Feb-11	15.80	$47,906	26.70	$0	$47,906	$0	53.60
132121040b	FC Chassis Procure and Fabricate Procurement	29-Jun-10	01-Feb-11	29.00	$0	0.00	$103,286	$103,286	$0	53.60
132121045	First FC Chassis Tested (FIELD Control) Labor FY10	28-Jul-10	30-Sep-10	9.20	$33,294	14.61	$0	$33,294	$0	14.80
132121045a	First FC Chassis Tested (FIELD Control) Labor FY11	01-Oct-10	24-Nov-10	7.80	$29,127	12.39	$0	$29,127	$0	14.80



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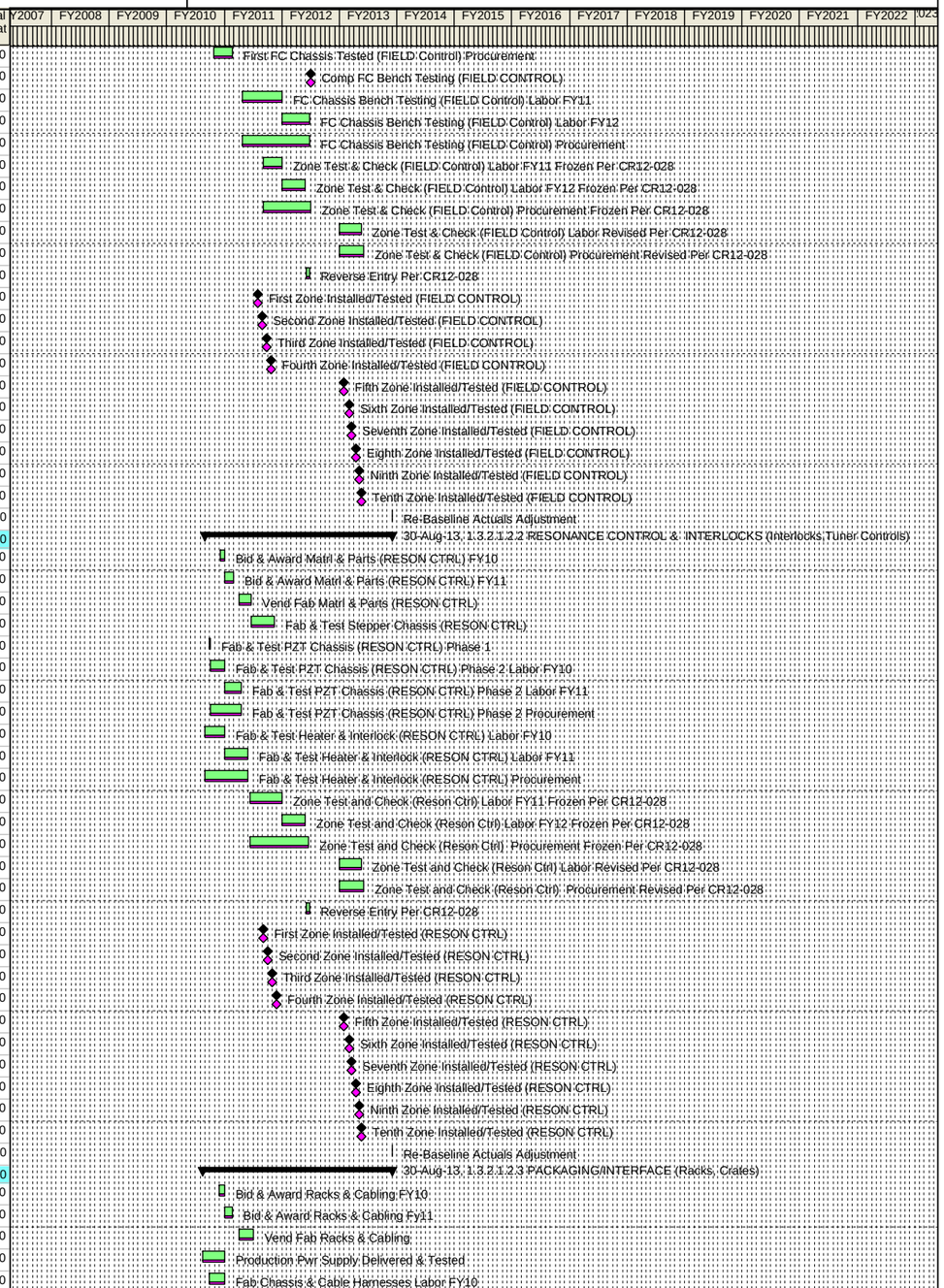
Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
132121045b	First FC Chassis Tested (FIELD Control) Procurement	28-Jul-10	24-Nov-10	17.00	$0	0.00	$10,988	$10,988	$0	14.80
132121050M	Comp FC Bench Testing (FIELD CONTROL)		02-Apr-12	0.00	$0	0.00	$0	$0	$0	68.80
132121055	FC Chassis Bench Testing (FIELD Control) Labor FY11	25-Jan-11	30-Sep-11	35.00	$51,187	25.43	$0	$51,187	$0	14.80
132121055a	FC Chassis Bench Testing (FIELD Control) Labor FY12	03-Oct-11	22-Mar-12	22.80	$34,408	16.57	$0	$34,408	$0	14.80
132121055b	FC Chassis Bench Testing (FIELD Control) Procurement	25-Jan-11	22-Mar-12	57.80	$0	0.00	$11,338	$11,338	$0	14.80
132121060	Zone Test & Check (FIELD Control) Labor FY11 Frozen Per CR12-028	08-Jun-11	30-Sep-11	16.20	$33,269	14.73	$0	$34,988	$1,719	19.00
132121060a	Zone Test & Check (FIELD Control) Labor FY12 Frozen Per CR12-028	03-Oct-11	29-Feb-12	19.60	$41,536	17.82	$0	$43,682	$2,146	19.00
132121060b	Zone Test & Check (FIELD Control) Procurement Frozen Per CR12-028	08-Jun-11	29-Mar-12	40.00	$0	0.00	$5,102	$5,102	$0	14.80
132121060c	Zone Test & Check (FIELD Control) Labor Revised Per CR12-028	01-Oct-12	15-Feb-13	18.20	$58,033	24.13	$0	$61,010	$2,977	13.40
132121060d	Zone Test & Check (FIELD Control) Procurement Revised Per CR12-028	01-Oct-12	28-Feb-13	19.80	$0	0.00	$6,435	$6,435	$0	25.80
132121060f	Reverse Entry Per CR12-028	05-Mar-12	23-Mar-12	3.00	($29,129)	-12.50	$0	($30,632)	($1,503)	26.40
132121061M	First Zone Installed/Tested (FIELD CONTROL)		02-May-11	0.00	$0	0.00	$0	$0	$0	14.80
132121062M	Second Zone Installed/Tested (FIELD CONTROL)		27-May-11	0.00	$0	0.00	$0	$0	$0	14.80
132121063M	Third Zone Installed/Tested (FIELD CONTROL)		27-Jun-11	0.00	$0	0.00	$0	$0	$0	43.40
132121064M	Fourth Zone Installed/Tested (FIELD CONTROL)		26-Jul-11	0.00	$0	0.00	$0	$0	$0	43.40
132121065M	Fifth Zone Installed/Tested (FIELD CONTROL)		30-Oct-12	0.00	$0	0.00	$0	$0	$0	13.40
132121066M	Sixth Zone Installed/Tested (FIELD CONTROL)		30-Nov-12	0.00	$0	0.00	$0	$0	$0	13.40
132121067M	Seventh Zone Installed/Tested (FIELD CONTROL)		14-Dec-12	0.00	$0	0.00	$0	$0	$0	13.40
132121068M	Eighth Zone Installed/Tested (FIELD CONTROL)		15-Jan-13	0.00	$0	0.00	$0	$0	$0	20.20
132121069M	Ninth Zone Installed/Tested (FIELD CONTROL)		01-Feb-13	0.00	$0	0.00	$0	$0	$0	22.60
132121070M	Tenth Zone Installed/Tested (FIELD CONTROL)		15-Feb-13	0.00	$0	0.00	$0	$0	$0	25.40
132121075	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($271,295)	($271,295)	$0	4.00
1.3.2.1.2.2 RESONANCE CONTROL & INTERLOCKS (Interlocks,Tuner Controls)		02-Jun-10	30-Aug-13	161.60	$276,083	140.90	$175,959	$465,452	$13,411	6.00
132122000	Bid & Award Matrl & Parts (RESON CTRL) FY10	03-Sep-10	30-Sep-10	3.80	$6,803	3.48	$0	$7,499	$696	111.00
132122000a	Bid & Award Matrl & Parts (RESON CTRL) FY11	01-Oct-10	30-Nov-10	8.20	$15,148	7.52	$0	$16,697	$1,550	111.00
132122001	Vend Fab Matrl & Parts (RESON CTRL)	05-Jan-11	17-Mar-11	10.00	$0	0.00	$198,421	$198,421	$0	107.20
132122005	Fab & Test Stepper Chassis (RESON CTRL)	18-Mar-11	17-Aug-11	21.40	$69,860	36.00	$22,677	$92,536	$0	107.20
132122010	Fab & Test PZT Chassis (RESON CTRL) Phase 1	01-Jul-10	01-Jul-10	0.20	$28,142	14.80	$8,790	$36,932	$0	30.80
132122010a	Fab & Test PZT Chassis (RESON CTRL) Phase 2 Labor FY10	02-Jul-10	30-Sep-10	12.60	$20,300	10.68	$0	$20,300	$0	30.80
132122010b	Fab & Test PZT Chassis (RESON CTRL) Phase 2 Labor FY11	01-Oct-10	14-Jan-11	13.60	$22,610	11.52	$0	$22,610	$0	30.80
132122010c	Fab & Test PZT Chassis (RESON CTRL) Phase 2 Procurement	02-Jul-10	14-Jan-11	26.20	$0	0.00	$43	$43	$0	30.80
132122015	Fab & Test Heater & Interlock (RESON CTRL) Labor FY10	02-Jun-10	30-Sep-10	17.00	$33,382	17.65	$0	$33,382	$0	24.80
132122015a	Fab & Test Heater & Interlock (RESON CTRL) Labor FY11	01-Oct-10	01-Mar-11	19.60	$39,714	20.35	$0	$39,714	$0	24.80
132122015b	Fab & Test Heater & Interlock (RESON CTRL) Procurement	02-Jun-10	01-Mar-11	36.60	$0	0.00	$21,976	$21,976	$0	24.80
132122020	Zone Test and Check (Reson Ctrl) Labor FY11 Frozen Per CR12-028	16-Mar-11	30-Sep-11	28.00	$24,162	11.71	$0	$30,853	$6,691	75.20
132122020a	Zone Test and Check (Reson Ctrl) Labor FY12 Frozen Per CR12-028	03-Oct-11	29-Feb-12	19.60	$17,452	8.20	$0	$22,285	$4,833	75.20
132122020b	Zone Test and Check (Reson Ctrl) Procurement Frozen Per CR12-028	16-Mar-11	19-Mar-12	50.20	$0	0.00	$11,338	$11,338	$0	72.60
132122020c	Zone Test and Check (Reson Ctrl) Labor Revised Per CR12-028	01-Oct-12	15-Feb-13	18.20	$20,399	9.29	$0	$26,048	$5,649	18.20
132122020d	Zone Test and Check (Reson Ctrl) Procurement Revised Per CR12-028	01-Oct-12	28-Feb-13	19.80	$0	0.00	$6,435	$6,435	$0	26.60
132122020f	Reverse Entry Per CR12-028	05-Mar-12	23-Mar-12	3.00	($21,888)	-10.30	$0	($27,896)	($6,008)	26.40
132122021M	First Zone Installed/Tested (RESON CTRL)		03-Jun-11	0.00	$0	0.00	$0	$0	$0	72.60
132122022M	Second Zone Installed/Tested (RESON CTRL)		30-Jun-11	0.00	$0	0.00	$0	$0	$0	72.60
132122023M	Third Zone Installed/Tested (RESON CTRL)		29-Jul-11	0.00	$0	0.00	$0	$0	$0	72.60
132122024M	Fourth Zone Installed/Tested (RESON CTRL)		26-Aug-11	0.00	$0	0.00	$0	$0	$0	72.60
132122025M	Fifth Zone Installed/Tested (RESON CTRL)		30-Oct-12	0.00	$0	0.00	$0	$0	$0	18.20
132122026M	Sixth Zone Installed/Tested (RESON CTRL)		30-Nov-12	0.00	$0	0.00	$0	$0	$0	28.40
132122027M	Seventh Zone Installed/Tested (RESON CTRL)		14-Dec-12	0.00	$0	0.00	$0	$0	$0	28.40
132122028M	Eighth Zone Installed/Tested (RESON CTRL)		15-Jan-13	0.00	$0	0.00	$0	$0	$0	28.40
132122029M	Ninth Zone Installed/Tested (RESON CTRL)		01-Feb-13	0.00	$0	0.00	$0	$0	$0	28.40
132122030M	Tenth Zone Installed/Tested (RESON CTRL)		15-Feb-13	0.00	$0	0.00	$0	$0	$0	26.60
132122035	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($93,721)	($93,721)	$0	4.00
1.3.2.1.2.3 PACKAGING/INTERFACE (Racks, Crates)		20-May-10	30-Aug-13	163.20	$280,062	152.00	$253,246	$549,275	$15,968	4.00
132123000	Bid & Award Racks & Cabling FY10	01-Sep-10	30-Sep-10	4.20	$6,994	4.20	$0	$6,994	$0	94.80
132123000a	Bid & Award Racks & Cabling Fy11	01-Oct-10	24-Nov-10	7.80	$13,404	7.80	$0	$13,404	$0	94.80
132123001	Vend Fab Racks & Cabling	05-Jan-11	31-Mar-11	12.00	$0	0.00	$204,091	$204,091	$0	90.60
132123005	Production Pwr Supply Delivered & Tested	20-May-10	30-Sep-10	18.60	$19,018	11.00	$32,964	$51,982	$0	90.80
132123010	Fab Chassis & Cable Harnesses Labor FY10	30-Jun-10	30-Sep-10	13.00	$32,992	19.66	$0	$33,962	$970	90.80



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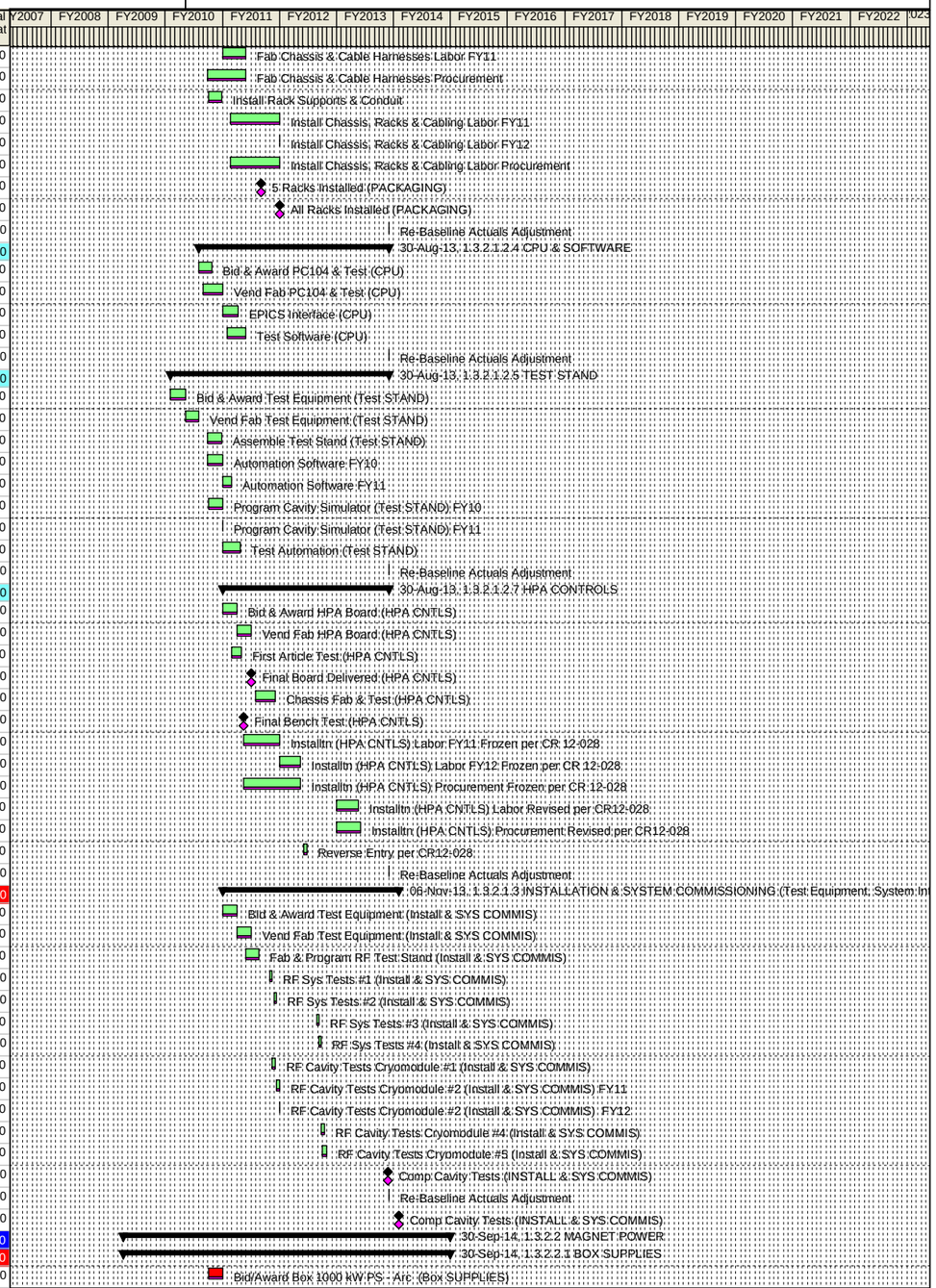
Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
132123010a	Fab Chassis & Cable Harnesses Labor FY11	01-Oct-10	28-Feb-11	19.40	$50,803	29.34	$0	$52,296	$1,494	90.80
132123010b	Fab Chassis & Cable Harnesses Procurement	30-Jun-10	28-Feb-11	32.40	$0	0.00	$32,964	$32,964	$0	90.80
132123012	Install Rack Supports & Conduit	02-Jul-10	27-Sep-10	12.00	$26,714	16.00	$0	$36,714	$10,000	91.80
132123015	Install Chassis, Racks & Cabling Labor FY11	23-Nov-10	30-Sep-11	42.20	$129,504	63.70	$0	$132,991	$3,487	83.80
132123015a	Install Chassis, Racks & Cabling Labor FY12	03-Oct-11	03-Oct-11	0.20	$633	0.30	$0	$650	$17	83.80
132123015b	Install Chassis, Racks & Cabling Labor Procurement	23-Nov-10	03-Oct-11	42.40	$0	0.00	$11,701	$11,701	$0	83.80
132123020M	5 Racks Installed (PACKAGING)		03-Jun-11	0.00	$0	0.00	$0	$0	$0	83.80
132123025M	All Racks Installed (PACKAGING)		03-Oct-11	0.00	$0	0.00	$0	$0	$0	92.80
132123030	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($28,473)	($28,473)	$0	4.00
1.3.2.1.2.4 CPU & SOFTWARE		03-May-10	30-Aug-13	165.80	$30,047	14.00	$8,936	$44,904	$5,921	4.00
132124000	Bid & Award PC104 & Test (CPU)	03-May-10	27-Jul-10	12.00	$12,041	6.00	$0	$14,458	$2,417	25.20
132124001	Vend Fab PC104 & Test (CPU)	02-Jun-10	01-Oct-10	17.20	$0	0.00	$67,575	$67,575	$0	25.20
132124005	EPICS Interface (CPU)	04-Oct-10	10-Jan-11	12.60	$9,003	4.00	$1,134	$13,641	$3,504	56.60
132124010	Test Software (CPU)	01-Nov-10	25-Feb-11	15.00	$9,003	4.00	$0	$9,003	$0	25.20
132124015	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($59,773)	($59,773)	$0	4.00
1.3.2.1.2.5 TEST STAND		04-Nov-09	30-Aug-13	189.40	$169,181	78.00	$46,659	$222,961	$7,122	4.00
132125000	Bid & Award Test Equipment (Test STAND)	04-Nov-09	08-Feb-10	12.00	$9,097	4.00	$0	$9,097	$0	14.80
132125001	Vend Fab Test Equipment (Test STAND)	09-Feb-10	04-May-10	12.00	$0	0.00	$113,395	$113,395	$0	14.80
132125005	Assemble Test Stand (Test STAND)	01-Jul-10	28-Sep-10	12.40	$32,788	18.00	$38,150	$73,377	$2,439	14.80
132125010	Automation Software FY10	28-Jun-10	30-Sep-10	13.40	$23,075	9.83	$0	$23,075	$0	14.80
132125010a	Automation Software FY11	01-Oct-10	01-Dec-10	8.40	$14,927	6.17	$0	$14,927	$0	14.80
132125015	Program Cavity Simulator (Test STAND) FY10	07-Jul-10	30-Sep-10	12.20	$41,824	17.43	$0	$41,824	$0	17.80
132125015a	Program Cavity Simulator (Test STAND) FY11	01-Oct-10	04-Oct-10	0.40	$1,415	0.57	$0	$1,415	$0	17.80
132125020	Test Automation (Test STAND)	05-Oct-10	24-Jan-11	14.20	$46,055	22.00	$11,701	$62,439	$4,683	14.80
132125025	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($116,587)	($116,587)	$0	4.00
1.3.2.1.2.7 HPA CONTROLS		01-Oct-10	30-Aug-13	144.60	$130,577	69.00	$46,210	$184,066	$7,280	4.00
132127000	Bid & Award HPA Board (HPA CNTLS)	01-Oct-10	04-Jan-11	12.00	$7,758	4.00	$0	$7,758	$0	4.40
132127001	Vend Fab HPA Board (HPA CNTLS)	05-Jan-11	01-Apr-11	12.20	$0	0.00	$40,954	$40,954	$0	4.40
132127005	First Article Test (HPA CNTLS)	02-Dec-10	02-Feb-11	7.60	$16,230	8.00	$0	$16,230	$0	12.60
132127010M	Final Board Delivered (HPA CNTLS)		01-Apr-11	0.00	$0	0.00	$0	$0	$0	4.40
132127015	Chassis Fab & Test (HPA CNTLS)	02-May-11	01-Sep-11	17.40	$72,441	39.00	$17,552	$94,676	$4,683	4.40
132127020M	Final Bench Test (HPA CNTLS)		15-Feb-11	0.00	$0	0.00	$0	$0	$0	4.40
132127025	InstalItn (HPA CNTLS) Labor FY11 Frozen per CR 12-028	15-Feb-11	30-Sep-11	32.00	$21,524	11.66	$0	$23,162	$1,638	4.40
132127025a	InstalItn (HPA CNTLS) Labor FY12 Frozen per CR 12-028	03-Oct-11	13-Feb-12	17.40	$12,077	6.34	$0	$12,996	$919	4.40
132127025b	InstalItn (HPA CNTLS) Procurement Frozen per CR 12-028	15-Feb-11	13-Feb-12	49.40	$0	0.00	$13,527	$13,527	$0	4.40
132127030	InstalItn (HPA CNTLS) Labor Revised per CR12-028	01-Oct-12	15-Feb-13	18.20	$17,690	9.00	$0	$19,009	$1,319	10.20
132127035	InstalItn (HPA CNTLS) Procurement Revised per CR12-028	01-Oct-12	28-Feb-13	19.80	$0	0.00	$6,979	$6,979	$0	10.20
132127040	Reverse Entry per CR12-028	05-Mar-12	23-Mar-12	3.00	($17,143)	-9.00	($6,763)	($25,185)	($1,278)	26.40
132127045	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($26,039)	($26,039)	$0	4.00
1.3.2.1.3 INSTALLATION & SYSTEM COMMISSIONING (Test Equipment, System Integration Labor)		01-Oct-10	06-Nov-13	154.00	$146,045	68.00	$68,401	$222,365	$7,919	5.60
13213000	BId & Award Test Equipment (Install & SYS COMMIS)	01-Oct-10	04-Jan-11	12.00	$9,386	4.00	$0	$12,890	$3,504	14.60
13213001	Vend Fab Test Equipment (Install & SYS COMMIS)	05-Jan-11	31-Mar-11	12.00	$0	0.00	$81,636	$81,636	$0	14.60
13213005	Fab & Program RF Test Stand (Install & SYS COMMIS)	03-Mar-11	25-May-11	12.00	$65,662	28.00	$0	$68,099	$2,438	14.60
13213010	RF Sys Tests #1 (Install & SYS COMMIS)	29-Jul-11	11-Aug-11	2.00	$9,351	4.90	$0	$9,595	$244	3.80
13213010a	RF Sys Tests #2 (Install & SYS COMMIS)	26-Aug-11	09-Sep-11	2.00	$9,351	4.90	$0	$9,595	$244	2.40
13213010b	RF Sys Tests #3 (Install & SYS COMMIS)	29-May-12	12-Jun-12	2.00	$9,649	4.90	$0	$9,900	$252	62.40
13213010c	RF Sys Tests #4 (Install & SYS COMMIS)	11-Jun-12	22-Jun-12	2.00	$9,649	4.90	$0	$9,900	$252	7.00
13213015	RF Cavity Tests Cryomodule #1 (Install & SYS COMMIS)	12-Aug-11	07-Sep-11	3.60	$8,109	4.10	$0	$8,352	$243	104.40
13213015a	RF Cavity Tests Cryomodule #2 (Install & SYS COMMIS) FY11	12-Sep-11	30-Sep-11	3.00	$6,757	3.42	$0	$6,959	$202	100.40
13213015ab	RF Cavity Tests Cryomodule #2 (Install & SYS COMMIS) FY12	03-Oct-11	05-Oct-11	0.60	$1,395	0.68	$0	$1,437	$42	100.40
13213015c	RF Cavity Tests Cryomodule #4 (Install & SYS COMMIS)	25-Jun-12	18-Jul-12	3.60	$8,368	4.10	$0	$8,618	$250	61.80
13213015d	RF Cavity Tests Cryomodule #5 (Install & SYS COMMIS)	04-Jul-12	27-Jul-12	3.60	$8,368	4.10	$0	$8,618	$250	60.40
13213020M	Comp Cavity Tests (INSTALL & SYS COMMIS)		23-Aug-13	0.00	$0	0.00	$0	$0	$0	7.00
13213025	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($13,235)	($13,235)	$0	4.00
23213020M	Comp Cavity Tests (INSTALL & SYS COMMIS)		06-Nov-13	0.00	$0	0.00	$0	$0	$0	5.60
1.3.2.2 MAGNET POWER		02-Jan-09	30-Sep-14	285.60	$1,675,040	830.63	$5,119,787	$6,975,386	$180,559	52.00
1.3.2.2.1 BOX SUPPLIES		02-Jan-09	30-Sep-14	285.60	$581,139	250.11	$2,437,216	$3,140,628	$122,274	52.00
13221003	Bid/Award Box 1000 kW PS - Arc (Box SUPPLIES)	08-Jul-10	30-Sep-10	12.00	$14,398	6.00	$0	$14,398	$0	-25.80



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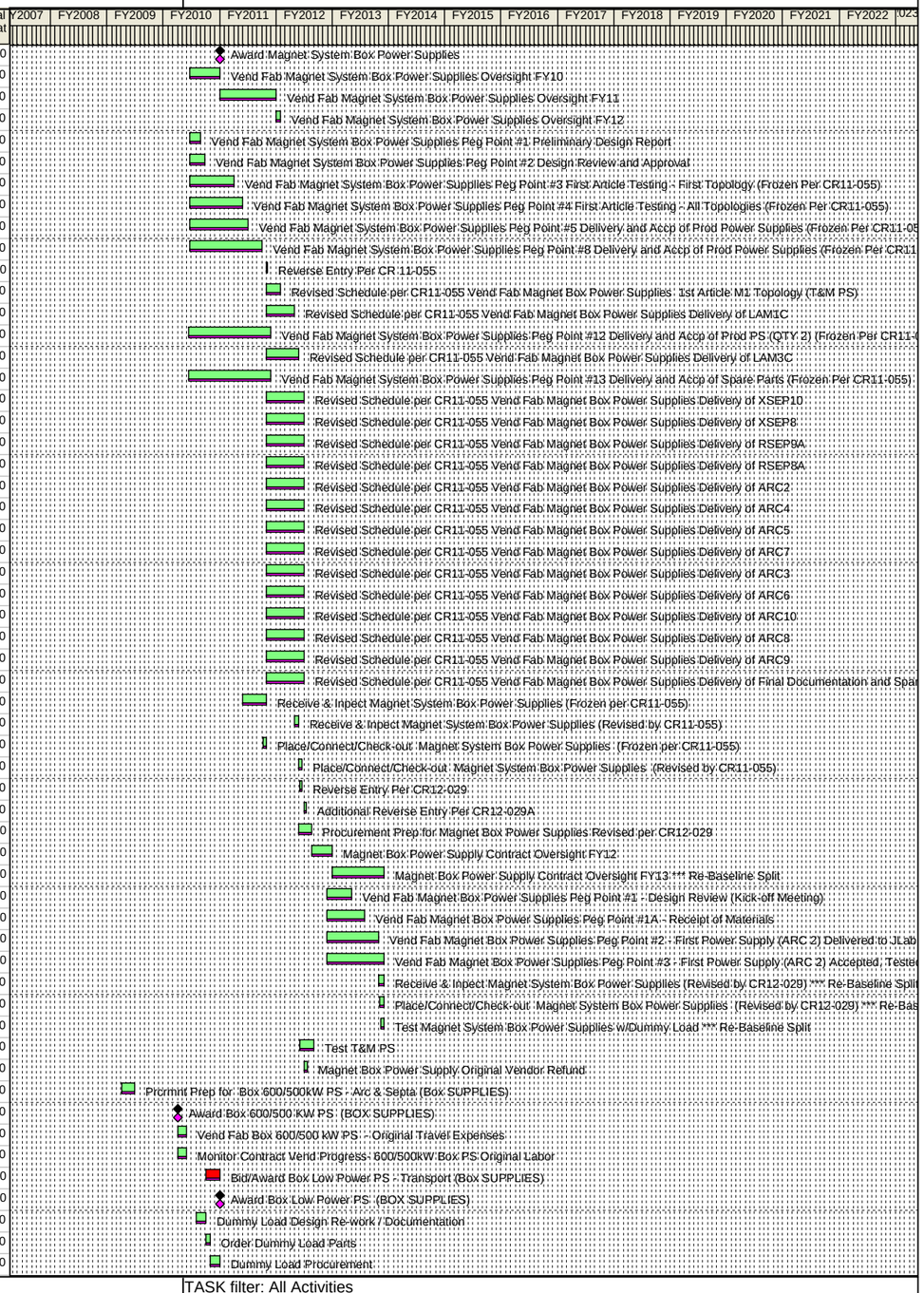
Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
13221004M	Award Magnet System Box Power Supplies	01-Oct-10		0.00	$0	0.00	$0	$0	$0	-25.80
13221005	Vend Fab Magnet System Box Power Supplies Oversight FY10	19-Mar-10	30-Sep-10	27.40	$10,365	3.91	$0	$16,711	$6,346	153.60
13221005A	Vend Fab Magnet System Box Power Supplies Oversight FY11	01-Oct-10	30-Sep-11	49.60	$19,283	7.05	$0	$25,832	$6,549	153.60
13221005B	Vend Fab Magnet System Box Power Supplies Oversight FY12	03-Oct-11	31-Oct-11	4.20	$1,411	0.50	$0	$1,411	$0	153.60
13221010	Vend Fab Magnet System Box Power Supplies Peg Point #1 Preliminary Design Report	19-Mar-10	28-May-10	10.20	$0	0.00	$0	$0	$0	108.40
13221010A	Vend Fab Magnet System Box Power Supplies Peg Point #2 Design Review and Approval	19-Mar-10	30-Jun-10	14.60	$0	0.00	$424,067	$424,067	$0	108.40
13221010B	Vend Fab Magnet System Box Power Supplies Peg Point #3 First Article Testing - First ...	19-Mar-10	30-Dec-10	39.00	$0	0.00	$169,627	$169,627	$0	108.40
13221010C	Vend Fab Magnet System Box Power Supplies Peg Point #4 First Article Testing - All To...	19-Mar-10	28-Feb-11	46.80	$0	0.00	$169,627	$169,627	$0	108.40
13221010D	Vend Fab Magnet System Box Power Supplies Peg Point #5 Delivery and Accp of Prod ...	19-Mar-10	31-Mar-11	51.40	$0	0.00	$169,627	$169,627	$0	108.40
13221010H	Vend Fab Magnet System Box Power Supplies Peg Point #8 Delivery and Accp of Prod ...	19-Mar-10	30-Jun-11	64.20	$0	0.00	$424,067	$424,067	$0	108.40
13221010J	Reverse Entry Per CR 11-055	01-Aug-11	05-Aug-11	1.00	($12,582)	-6.41	($1,364,201)	($1,377,709)	($926)	7.80
13221010K	Revised Schedule per CR11-055 Vend Fab Magnet Box Power Supplies 1st Article M1 ...	01-Aug-11	31-Oct-11	13.00	$0	0.00	$169,627	$169,627	$0	108.40
13221010L	Revised Schedule per CR11-055 Vend Fab Magnet Box Power Supplies Delivery of LA...	01-Aug-11	31-Jan-12	24.40	$0	0.00	$73,300	$73,300	$0	108.40
13221010N	Vend Fab Magnet System Box Power Supplies Peg Point #12 Delivery and Accp of Prod...	18-Mar-10	31-Aug-11	73.00	$0	0.00	$339,254	$339,254	$0	204.80
13221010Na	Revised Schedule per CR11-055 Vend Fab Magnet Box Power Supplies Delivery of LA...	01-Aug-11	29-Feb-12	28.40	$0	0.00	$73,300	$73,300	$0	108.40
13221010P	Vend Fab Magnet System Box Power Supplies Peg Point #13 Delivery and Accp of Spar...	18-Mar-10	31-Aug-11	73.00	$0	0.00	$92,000	$92,000	$0	204.80
13221010Pa	Revised Schedule per CR11-055 Vend Fab Magnet Box Power Supplies Delivery of XS...	01-Aug-11	30-Mar-12	32.80	$0	0.00	$73,300	$73,300	$0	108.40
13221010Q	Revised Schedule per CR11-055 Vend Fab Magnet Box Power Supplies Delivery of XS...	01-Aug-11	30-Mar-12	32.80	$0	0.00	$73,300	$73,300	$0	108.40
13221010R	Revised Schedule per CR11-055 Vend Fab Magnet Box Power Supplies Delivery of RS...	01-Aug-11	30-Mar-12	32.80	$0	0.00	$73,300	$73,300	$0	108.40
13221010S	Revised Schedule per CR11-055 Vend Fab Magnet Box Power Supplies Delivery of RS...	01-Aug-11	30-Mar-12	32.80	$0	0.00	$73,300	$73,300	$0	108.40
13221010T	Revised Schedule per CR11-055 Vend Fab Magnet Box Power Supplies Delivery of ARC2	01-Aug-11	30-Mar-12	32.80	$0	0.00	$73,300	$73,300	$0	108.40
13221010U	Revised Schedule per CR11-055 Vend Fab Magnet Box Power Supplies Delivery of ARC4	01-Aug-11	30-Mar-12	32.80	$0	0.00	$73,300	$73,300	$0	108.40
13221010V	Revised Schedule per CR11-055 Vend Fab Magnet Box Power Supplies Delivery of ARC5	01-Aug-11	30-Mar-12	32.80	$0	0.00	$73,300	$73,300	$0	108.40
13221010W	Revised Schedule per CR11-055 Vend Fab Magnet Box Power Supplies Delivery of ARC7	01-Aug-11	30-Mar-12	32.80	$0	0.00	$73,300	$73,300	$0	108.40
13221010X	Revised Schedule per CR11-055 Vend Fab Magnet Box Power Supplies Delivery of ARC3	01-Aug-11	30-Mar-12	32.80	$0	0.00	$73,300	$73,300	$0	108.40
13221010Y	Revised Schedule per CR11-055 Vend Fab Magnet Box Power Supplies Delivery of ARC6	01-Aug-11	30-Mar-12	32.80	$0	0.00	$73,300	$73,300	$0	108.40
13221010Z	Revised Schedule per CR11-055 Vend Fab Magnet Box Power Supplies Delivery of AR...	01-Aug-11	30-Mar-12	32.80	$0	0.00	$73,300	$73,300	$0	108.40
13221010Za	Revised Schedule per CR11-055 Vend Fab Magnet Box Power Supplies Delivery of ARC8	01-Aug-11	30-Mar-12	32.80	$0	0.00	$73,300	$73,300	$0	108.40
13221010Zb	Revised Schedule per CR11-055 Vend Fab Magnet Box Power Supplies Delivery of ARC9	01-Aug-11	30-Mar-12	32.80	$0	0.00	$73,300	$73,300	$0	108.40
13221010Zc	Revised Schedule per CR11-055 Vend Fab Magnet Box Power Supplies Delivery of Fina...	01-Aug-11	30-Mar-12	32.80	$0	0.00	$95,074	$95,074	$0	108.40
13221015	Receive & Inpect Magnet System Box Power Supplies (Frozen per CR11-055)	01-Mar-11	29-Jul-11	21.40	$3,406	1.99	$0	$3,406	$0	166.60
13221015a	Receive & Inpect Magnet System Box Power Supplies (Revised by CR11-055)	27-Jan-12	29-Feb-12	4.60	$756	0.43	$0	$756	$0	108.40
13221020	Place/Connect/Check-out Magnet System Box Power Supplies (Frozen per CR11-055)	13-Jul-11	29-Jul-11	2.60	$9,176	4.42	$0	$10,102	$926	178.00
13221020a	Place/Connect/Check-out Magnet System Box Power Supplies (Revised by CR11-055)	29-Feb-12	16-Mar-12	2.48	$9,046	4.22	$0	$9,959	$913	108.40
13221021	Reverse Entry Per CR12-029	02-Mar-12	15-Mar-12	2.00	$0	0.00	($1,194,574)	($1,194,574)	$0	27.60
13221021A	Additional Reverse Entry Per CR12-029A	03-Apr-12	16-Apr-12	2.00	$0	0.00	($169,627)	($169,627)	$0	23.20
13221022	Procurement Prep for Magnet Box Power Supplies Revised per CR12-029	01-Mar-12	21-May-12	11.60	$11,290	4.00	$0	$11,290	$0	4.00
13221022a	Magnet Box Power Supply Contract Oversight FY12	22-May-12	28-Sep-12	18.20	$14,112	5.00	$0	$18,112	$4,000	4.00
13221022b	Magnet Box Power Supply Contract Oversight FY13 *** Re-Baseline Split	01-Oct-12	30-Aug-13	45.60	$18,743	6.44	$0	$24,435	$5,692	4.00
13221022D	Vend Fab Magnet Box Power Supplies Peg Point #1 - Design Review (Kick-off Meeting)	24-Aug-12	31-Jan-13	21.00	$0	0.00	$173,494	$173,494	$0	4.00
13221023	Vend Fab Magnet Box Power Supplies Peg Point #1A - Receipt of Materials	24-Aug-12	30-Apr-13	33.40	$0	0.00	$346,988	$346,988	$0	4.00
13221023A	Vend Fab Magnet Box Power Supplies Peg Point #2 - First Power Supply (ARC 2) Deliv...	24-Aug-12	31-Jul-13	46.20	$0	0.00	$0	$0	$0	4.00
13221023B	Vend Fab Magnet Box Power Supplies Peg Point #3 - First Power Supply (ARC 2) Acce...	24-Aug-12	30-Aug-13	50.60	$0	0.00	$57,000	$57,000	$0	4.00
13221024	Receive & Inpect Magnet System Box Power Supplies (Revised by CR12-029) *** Re-Ba...	01-Aug-13	30-Aug-13	4.40	$516	0.28	$0	$516	$0	40.60
13221024a	Place/Connect/Check-out Magnet System Box Power Supplies (Revised by CR12-029)...	08-Aug-13	30-Aug-13	3.40	$11,564	5.23	$0	$12,730	$1,167	40.60
13221025	Test Magnet System Box Power Supplies w/Dummy Load *** Re-Baseline Split	15-Aug-13	30-Aug-13	2.40	$7,716	3.57	$0	$7,716	$0	40.60
13221025A	Test T&M PS	05-Mar-12	01-Jun-12	12.80	$11,800	5.00	$0	$11,800	$0	102.40
13221026	Magnet Box Power Supply Original Vendor Refund	02-Apr-12	20-Apr-12	3.00	$0	0.00	($149,000)	($149,000)	$0	22.40
13221028	Prcrmnt Prep for Box 600/500kW PS - Arc & Septa (Box SUPPLIES)	02-Jan-09	30-Mar-09	12.00	$13,955	6.00	$0	$13,955	$0	194.20
13221029M	Award Box 600/500 KW PS (BOX SUPPLIES)	05-Jan-10		0.00	$0	0.00	$0	$0	$0	156.40
13221030	Vend Fab Box 600/500 kW PS - Original Travel Expenses	05-Jan-10	26-Feb-10	7.40	$0	0.00	$0	$493	$493	175.60
13221035	Monitor Contract Vend Progress- 600/500kW Box PS Original Labor	05-Jan-10	26-Feb-10	7.40	$1,189	0.45	$0	$1,189	$0	156.40
13221053	Bid/Award Box Low Power PS - Transport (Box SUPPLIES)	08-Jul-10	30-Sep-10	12.00	$14,398	6.00	$0	$14,398	$0	-25.80
13221054M	Award Box Low Power PS (BOX SUPPLIES)	01-Oct-10		0.00	$0	0.00	$0	$0	$0	-25.80
13221077	Dummy Load Design Re-work / Documentation	04-May-10	01-Jul-10	8.40	$5,302	2.00	$0	$5,302	$0	154.40
13221078	Order Dummy Load Parts	02-Jul-10	02-Aug-10	4.20	$4,548	2.00	$0	$4,548	$0	154.40
13221080	Dummy Load Procurement	03-Aug-10	04-Oct-10	8.80	$0	0.00	$82,000	$82,000	$0	154.40



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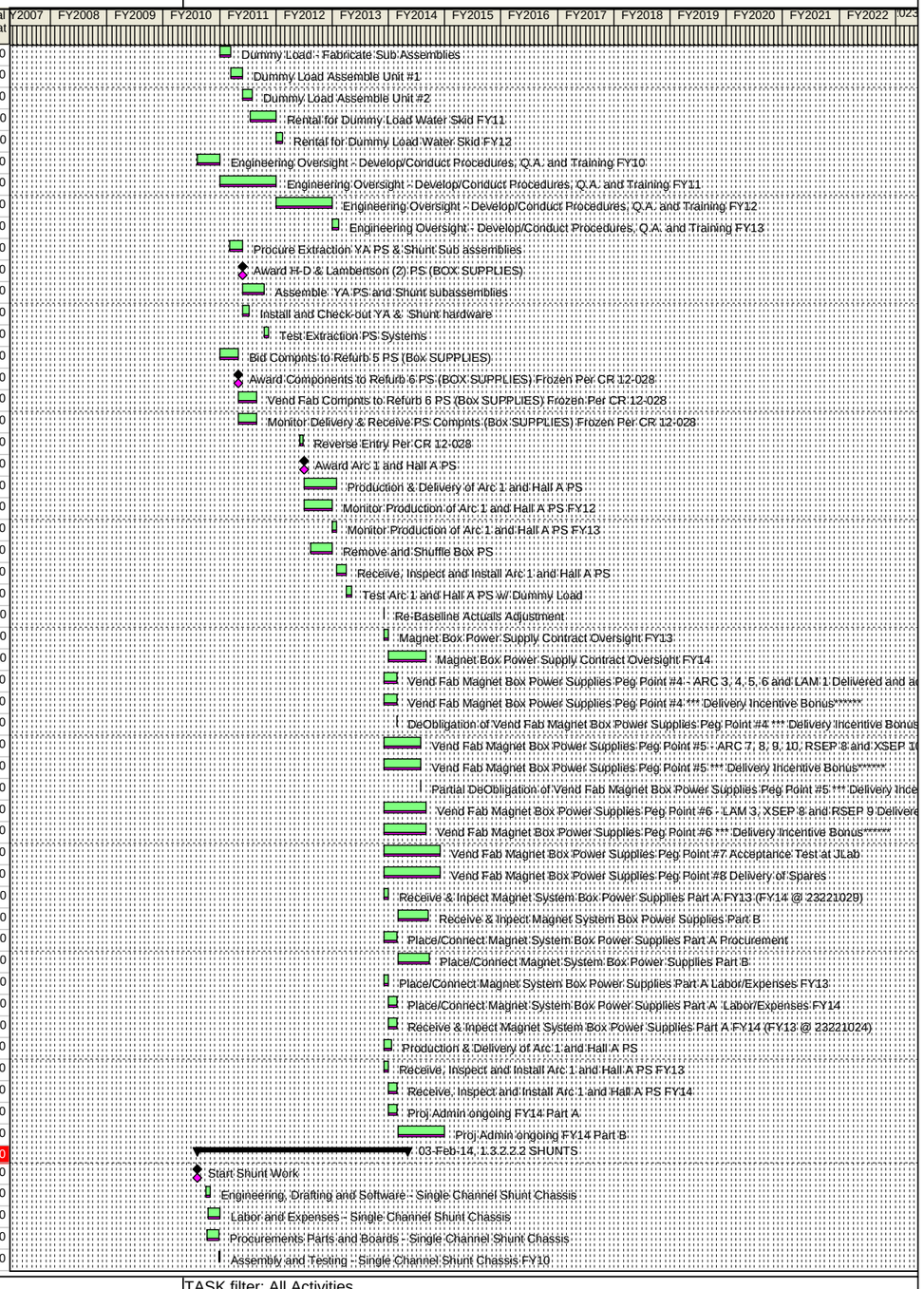
Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
13221085	Dummy Load - Fabricate Sub Assemblies	05-Oct-10	15-Dec-10	10.00	$17,108	10.00	$0	$17,108	$0	154.40
13221090	Dummy Load Assemble Unit #1	16-Dec-10	28-Feb-11	9.00	$16,669	9.00	$0	$16,669	$0	154.40
13221092	Dummy Load Assemble Unit #2	01-Mar-11	02-May-11	9.00	$16,669	9.00	$0	$16,669	$0	154.40
13221093	Rental for Dummy Load Water Skid FY11	15-Apr-11	30-Sep-11	23.60	$2,196	0.80	$0	$60,179	$57,983	0.20
13221093a	Rental for Dummy Load Water Skid FY12	03-Oct-11	10-Nov-11	5.80	$557	0.20	$0	$15,261	$14,705	0.20
13221095	Engineering Oversight - Develop/Conduct Procedures, Q.A. and Training FY10	13-May-10	30-Sep-10	19.60	$9,003	3.60	$0	$9,003	$0	45.40
13221095LOE	Engineering Oversight - Develop/Conduct Procedures, Q.A. and Training FY11	01-Oct-10	30-Sep-11	49.60	$23,580	9.14	$0	$23,580	$0	45.40
13221096LOE	Engineering Oversight - Develop/Conduct Procedures, Q.A. and Training FY12	03-Oct-11	28-Sep-12	49.40	$24,236	9.11	$0	$24,236	$0	45.40
13221097LOE	Engineering Oversight - Develop/Conduct Procedures, Q.A. and Training FY13	01-Oct-12	12-Nov-12	6.20	$3,141	1.14	$0	$3,141	$0	45.40
13221098	Procure Extraction YA PS & Shunt Sub assemblies	07-Dec-10	24-Feb-11	10.00	$10,603	5.00	$22,677	$33,280	$0	60.00
13221099M	Award H-D & Lambertson (2) PS (BOX SUPPLIES)	25-Feb-11		0.00	$0	0.00	$0	$0	$0	60.00
13221100	Assemble YA PS and Shunt subassemblies	25-Feb-11	18-Jul-11	20.00	$28,362	16.00	$0	$34,031	$5,669	60.00
13221105	Install and Check-out YA & Shunt hardware	25-Feb-11	07-Apr-11	6.00	$12,314	6.00	$0	$12,314	$0	74.00
13221115	Test Extraction PS Systems	19-Jul-11	15-Aug-11	4.00	$6,990	3.00	$0	$6,990	$0	60.00
13221118	Bid Compnts to Refurb 5 PS (Box SUPPLIES)	01-Oct-10	02-Feb-11	16.00	$7,428	3.00	$0	$7,428	$0	91.80
13221119M	Award Components to Refurb 6 PS (BOX SUPPLIES) Frozen Per CR 12-028	03-Feb-11		0.00	$0	0.00	$0	$0	$0	91.80
13221120	Vend Fab Compnts to Refurb 6 PS (Box SUPPLIES) Frozen Per CR 12-028	03-Feb-11	26-May-11	16.00	$0	0.00	$101,695	$101,695	$0	91.80
13221125	Monitor Delivery & Receive PS Compnts (Box SUPPLIES) Frozen Per CR 12-028	03-Feb-11	26-May-11	16.00	$4,446	2.00	$0	$4,446	$0	91.80
13221125A	Reverse Entry Per CR 12-028	05-Mar-12	23-Mar-12	3.00	($4,588)	-2.00	($101,553)	($106,141)	$0	26.40
13221126M	Award Arc 1 and Hall A PS	02-Apr-12		0.00	$0	0.00	$0	$0	$0	32.40
13221127	Production & Delivery of Arc 1 and Hall A PS	02-Apr-12	31-Oct-12	30.00	$0	0.00	$150,000	$150,000	$0	32.40
13221128	Monitor Production of Arc 1 and Hall A PS FY12	02-Apr-12	28-Sep-12	25.40	$4,779	1.69	$0	$4,779	$0	44.20
13221128a	Monitor Production of Arc 1 and Hall A PS FY13	01-Oct-12	31-Oct-12	4.60	$893	0.31	$0	$893	$0	44.20
13221130	Remove and Shuffle Box PS	14-May-12	28-Sep-12	19.40	$9,737	6.00	$0	$9,737	$0	44.20
13221133	Receive, Inspect and Install Arc 1 and Hall A PS	01-Nov-12	31-Dec-12	7.20	$10,048	6.00	$0	$10,048	$0	32.40
13221135	Test Arc 1 and Hall A PS w/ Dummy Load	02-Jan-13	31-Jan-13	4.20	$15,174	7.50	$0	$15,174	$0	32.40
13221140	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($32,719)	($32,719)	$0	4.00
23221022b	Magnet Box Power Supply Contract Oversight FY13	03-Sep-13	30-Sep-13	4.00	$2,345	0.81	$0	$3,687	$1,342	3.40
23221022c	Magnet Box Power Supply Contract Oversight FY14	01-Oct-13	02-Jun-14	32.60	$11,650	4.00	$0	$17,650	$6,000	3.40
23221023C	Vend Fab Magnet Box Power Supplies Peg Point #4 - ARC 3, 4, 5, 6 and LAM 1 Deliver...	03-Sep-13	27-Nov-13	12.40	$0	0.00	$290,775	$290,775	$0	30.80
23221023D	Vend Fab Magnet Box Power Supplies Peg Point #4 *** Delivery Incentive Bonus******	03-Sep-13	27-Nov-13	12.40	$0	0.00	$80,000	$80,000	$0	30.80
23221023Da	DeObligation of Vend Fab Magnet Box Power Supplies Peg Point #4 *** Delivery Incenti...	27-Nov-13	27-Nov-13	0.20	$0	0.00	($80,000)	($80,000)	$0	52.60
23221023F	Vend Fab Magnet Box Power Supplies Peg Point #5 - ARC 7, 8, 9, 10, RSEP 8 and XSE...	03-Sep-13	30-Apr-14	32.20	$0	0.00	$377,630	$377,630	$0	30.80
23221023G	Vend Fab Magnet Box Power Supplies Peg Point #5 *** Delivery Incentive Bonus******	03-Sep-13	30-Apr-14	32.20	$0	0.00	$80,000	$80,000	$0	30.80
23221023Ga	Partial DeObligation of Vend Fab Magnet Box Power Supplies Peg Point #5 *** Delivery ...	30-Apr-14	30-Apr-14	0.20	$0	0.00	($40,000)	($40,000)	$0	32.80
23221023H	Vend Fab Magnet Box Power Supplies Peg Point #6 - LAM 3, XSEP 8 and RSEP 9 Deli...	03-Sep-13	30-May-14	36.40	$0	0.00	$104,565	$104,565	$0	30.80
23221023J	Vend Fab Magnet Box Power Supplies Peg Point #6 *** Delivery Incentive Bonus******	03-Sep-13	30-May-14	36.40	$0	0.00	$40,000	$40,000	$0	30.80
23221023K	Vend Fab Magnet Box Power Supplies Peg Point #7 Acceptance Test at JLab	03-Sep-13	29-Aug-14	49.20	$0	0.00	$384,488	$384,488	$0	30.80
23221023L	Vend Fab Magnet Box Power Supplies Peg Point #8 Delivery of Spares	03-Sep-13	29-Aug-14	49.20	$0	0.00	$53,800	$53,800	$0	30.80
23221024	Receive & Inpect Magnet System Box Power Supplies Part A FY13 (FY14 @ 23221029)	03-Sep-13	30-Sep-13	4.00	$486	0.27	$0	$486	$0	0.00
23221024a	Receive & Inpect Magnet System Box Power Supplies Part B	02-Dec-13	16-Jun-14	26.20	$2,707	1.49	$0	$2,707	$0	0.00
23221024b	Place/Connect Magnet System Box Power Supplies Part A Procurement	03-Sep-13	27-Nov-13	12.40	$0	0.00	$435	$435	$0	0.00
23221024ba	Place/Connect Magnet System Box Power Supplies Part B	02-Dec-13	23-Jun-14	27.20	$80,206	36.29	$0	$87,729	$7,524	0.00
23221024c	Place/Connect Magnet System Box Power Supplies Part A Labor/Expenses FY13	03-Sep-13	30-Sep-13	4.00	$13,886	6.28	$0	$15,142	$1,256	0.00
23221024d	Place/Connect Magnet System Box Power Supplies Part A Labor/Expenses FY14	01-Oct-13	27-Nov-13	8.40	$29,161	13.20	$0	$31,797	$2,637	0.00
23221029	Receive & Inpect Magnet System Box Power Supplies Part A FY14 (FY13 @ 23221024)	01-Oct-13	27-Nov-13	8.40	$1,021	0.56	$0	$1,021	$0	0.00
23221127	Production & Delivery of Arc 1 and Hall A PS	03-Sep-13	18-Oct-13	6.80	$0	0.00	$70,875	$70,875	$0	12.40
23221133	Receive, Inspect and Install Arc 1 and Hall A PS FY13	03-Sep-13	30-Sep-13	4.00	$1,703	1.02	$0	$1,703	$0	12.40
23221133a	Receive, Inspect and Install Arc 1 and Hall A PS FY14	01-Oct-13	22-Nov-13	7.80	$3,321	1.98	$0	$3,321	$0	12.40
23221140LOE	Proj Admin ongoing FY14 Part A	01-Oct-13	27-Nov-13	8.40	$8,724	1.87	$0	$8,724	$0	11.60
23221140LOI	Proj Admin ongoing FY14 Part B	02-Dec-13	30-Sep-14	41.00	$36,194	7.76	$0	$36,194	$0	11.60
1.3.2.2.2 SHUNTS		13-May-10	03-Feb-14	184.40	$281,644	137.72	$263,844	$556,927	$11,439	20.00
13222000M	Start Shunt Work	13-May-10		0.00	$0	0.00	$0	$0	$0	163.00
13222005	Engineering, Drafting and Software - Single Channel Shunt Chassis	06-Jul-10	02-Aug-10	4.00	$7,013	3.00	$0	$7,013	$0	155.80
13222015	Labor and Expenses - Single Channel Shunt Chassis	20-Jul-10	30-Sep-10	10.40	$663	0.40	$0	$3,163	$2,500	155.80
13222020	Procurements Parts and Boards - Single Channel Shunt Chassis	15-Jul-10	23-Sep-10	10.00	$0	0.00	$20,200	$20,200	$0	155.80
13222025	Assembly and Testing - Single Channel Shunt Chassis FY10	24-Sep-10	30-Sep-10	1.00	$1,066	0.64	$0	$1,066	$0	155.80



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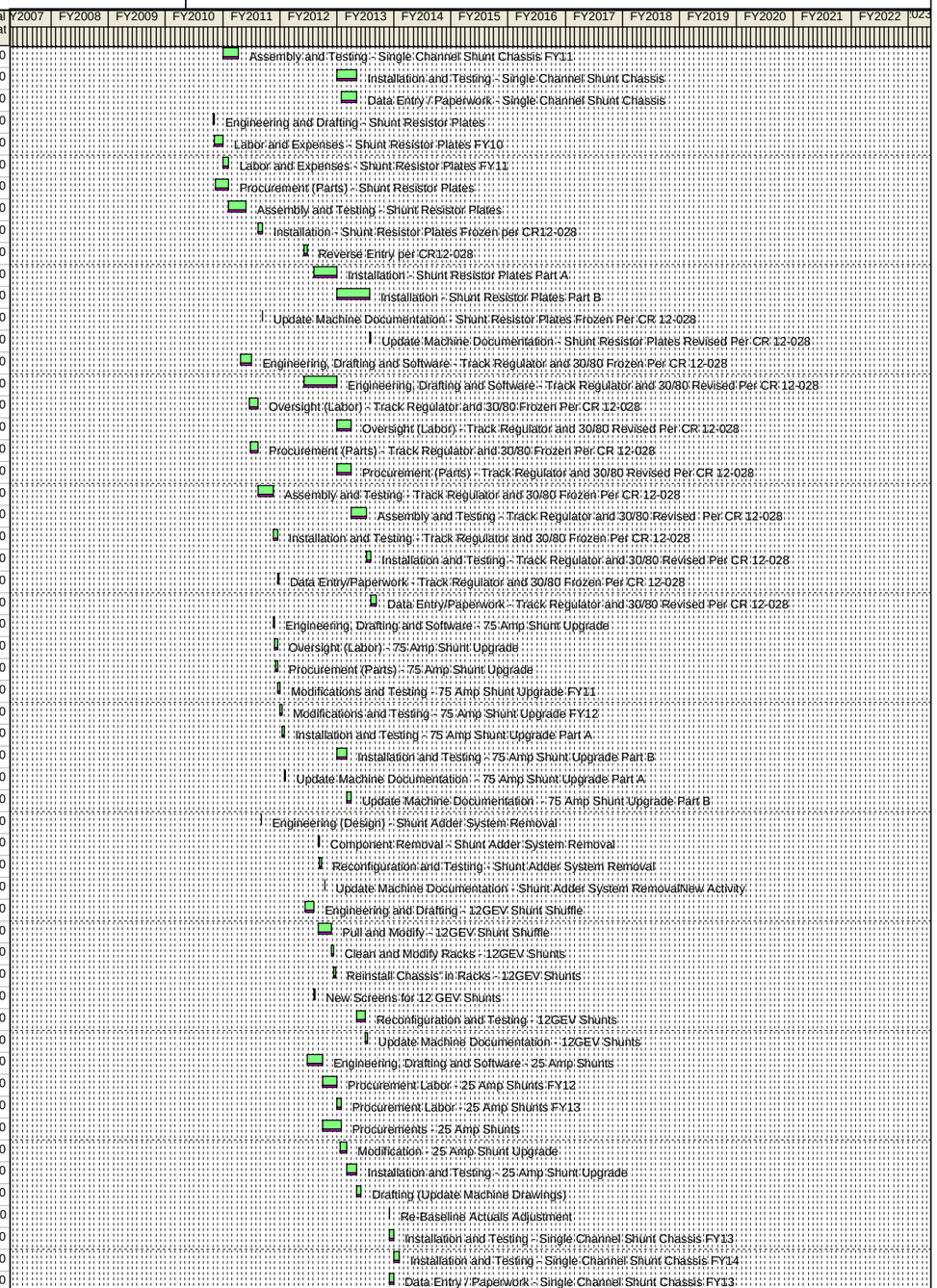
Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
13222025a	Assembly and Testing - Single Channel Shunt Chassis FY11	01-Oct-10	11-Jan-11	13.00	$14,298	8.36	$0	$14,298	$0	155.80
13222030	Installation and Testing - Single Channel Shunt Chassis	01-Oct-12	31-Jan-13	16.00	$3,643	2.00	$0	$3,643	$0	69.80
13222035	Data Entry / Paperwork - Single Channel Shunt Chassis	01-Nov-12	31-Jan-13	11.40	$959	0.40	$0	$959	$0	69.80
13222040	Engineering and Drafting - Shunt Resistor Plates	02-Aug-10	11-Aug-10	1.60	$3,789	1.60	$0	$3,789	$0	161.20
13222045	Labor and Expenses - Shunt Resistor Plates FY10	12-Aug-10	30-Sep-10	7.00	$967	0.58	$0	$5,342	$4,375	161.20
13222045a	Labor and Expenses - Shunt Resistor Plates FY11	01-Oct-10	04-Nov-10	5.00	$713	0.42	$0	$3,938	$3,225	161.20
13222050	Procurement (Parts) - Shunt Resistor Plates	19-Aug-10	04-Nov-10	11.00	$0	0.00	$28,000	$28,000	$0	161.20
13222055	Assembly and Testing - Shunt Resistor Plates	05-Nov-10	24-Feb-11	14.00	$8,982	5.25	$0	$8,982	$0	161.20
13222060	Installation - Shunt Resistor Plates Frozen per CR12-028	13-May-11	10-Jun-11	4.00	$3,422	2.00	$0	$3,422	$0	150.20
13222061	Reverse Entry per CR12-028	05-Mar-12	23-Mar-12	3.00	($32,710)	-16.80	($13,745)	($46,455)	$0	26.40
13222063	Installation - Shunt Resistor Plates Part A	04-May-12	28-Sep-12	20.60	$5,296	3.00	$0	$5,296	$0	56.80
13222064	Installation - Shunt Resistor Plates Part B	01-Oct-12	30-Apr-13	28.40	$12,751	7.00	$0	$12,751	$0	56.80
13222065	Update Machine Documentation - Shunt Resistor Plates Frozen Per CR 12-028	13-Jun-11	15-Jun-11	0.60	$1,026	0.60	$0	$1,026	$0	150.20
13222067	Update Machine Documentation - Shunt Resistor Plates Revised Per CR 12-028	01-May-13	03-May-13	0.60	$1,093	0.60	$0	$1,093	$0	56.80
13222070	Engineering, Drafting and Software - Track Regulator and 30/80 Frozen Per CR 12-028	25-Jan-11	05-Apr-11	10.00	$21,316	9.00	$0	$21,316	$0	136.20
13222070A	Engineering, Drafting and Software - Track Regulator and 30/80 Revised Per CR 12-028	05-Mar-12	28-Sep-12	29.40	$13,623	5.50	$0	$13,623	$0	51.80
13222075	Oversight (Labor) - Track Regulator and 30/80 Frozen Per CR 12-028	23-Mar-11	17-May-11	8.00	$1,711	1.00	$0	$1,711	$0	136.20
13222075A	Oversight (Labor) - Track Regulator and 30/80 Revised Per CR 12-028	01-Oct-12	31-Dec-12	11.80	$911	0.50	$0	$911	$0	51.80
13222080	Procurement (Parts) - Track Regulator and 30/80 Frozen Per CR 12-028	30-Mar-11	17-May-11	7.00	$0	0.00	$34,362	$34,362	$0	136.20
13222080A	Procurement (Parts) - Track Regulator and 30/80 Revised Per CR 12-028	01-Oct-12	31-Dec-12	11.80	$0	0.00	$14,183	$14,183	$0	51.80
13222085	Assembly and Testing - Track Regulator and 30/80 Frozen Per CR 12-028	18-May-11	23-Aug-11	13.60	$11,633	6.80	$0	$11,633	$0	136.20
13222085A	Assembly and Testing - Track Regulator and 30/80 Revised Per CR 12-028	02-Jan-13	09-Apr-13	13.60	$14,779	6.80	$0	$14,779	$0	51.80
13222090	Installation and Testing - Track Regulator and 30/80 Frozen Per CR 12-028	24-Aug-11	21-Sep-11	4.00	$3,422	2.00	$0	$3,422	$0	136.20
13222095	Installation and Testing - Track Regulator and 30/80 Revised Per CR 12-028	10-Apr-13	07-May-13	4.00	$4,734	2.00	$0	$4,734	$0	51.80
13222100	Data Entry/Paperwork - Track Regulator and 30/80 Frozen Per CR 12-028	22-Sep-11	23-Sep-11	0.40	$684	0.40	$0	$684	$0	136.20
13222100A	Data Entry/Paperwork - Track Regulator and 30/80 Revised Per CR 12-028	08-May-13	10-Jun-13	4.60	$834	0.40	$0	$834	$0	51.80
13222105	Engineering, Drafting and Software - 75 Amp Shunt Upgrade	23-Aug-11	29-Aug-11	1.00	$7,667	3.00	$0	$7,667	$0	120.80
13222110	Oversight (Labor) - 75 Amp Shunt Upgrade	30-Aug-11	20-Sep-11	3.00	$1,711	1.00	$0	$1,711	$0	120.80
13222115	Procurement (Parts) - 75 Amp Shunt Upgrade	07-Sep-11	20-Sep-11	2.00	$0	0.00	$310	$310	$0	120.80
13222120	Modifications and Testing - 75 Amp Shunt Upgrade FY11	21-Sep-11	30-Sep-11	1.60	$2,672	1.56	$0	$2,672	$0	120.80
13222120a	Modifications and Testing - 75 Amp Shunt Upgrade FY12	03-Oct-11	19-Oct-11	2.60	$4,480	2.54	$0	$4,480	$0	120.80
13222125	Installation and Testing - 75 Amp Shunt Upgrade Part A	20-Oct-11	02-Nov-11	2.00	$3,530	2.00	$0	$3,530	$0	130.20
13222130	Installation and Testing - 75 Amp Shunt Upgrade Part B	01-Oct-12	30-Nov-12	8.60	$1,822	1.00	$0	$1,822	$0	74.00
13222140	Update Machine Documentation - 75 Amp Shunt Upgrade Part A	03-Nov-11	04-Nov-11	0.40	$757	0.40	$0	$757	$0	130.20
13222142	Update Machine Documentation - 75 Amp Shunt Upgrade Part B	03-Dec-12	31-Dec-12	3.20	$417	0.20	$0	$417	$0	74.00
13222145	Engineering (Design) - Shunt Adder System Removal	06-Jun-11	08-Jun-11	0.60	$1,026	0.60	$0	$1,026	$0	145.00
13222150	Component Removal - Shunt Adder System Removal	05-Jun-12	13-Jun-12	1.40	$1,765	1.00	$0	$1,765	$0	96.20
13222155	Reconfiguration and Testing - Shunt Adder System Removal	14-Jun-12	22-Jun-12	1.40	$1,589	0.90	$0	$1,589	$0	96.20
13222160	Update Machine Documentation - Shunt Adder System RemovalNew Activity	16-Jul-12	17-Jul-12	0.40	$706	0.40	$0	$706	$0	96.20
13222165	Engineering and Drafting - 12GEV Shunt Shuffle	12-Mar-12	04-May-12	8.00	$19,371	8.00	$0	$19,371	$0	77.00
13222170	Pull and Modify - 12GEV Shunt Shuffle	06-Jun-12	27-Aug-12	11.80	$10,237	5.50	$0	$10,237	$0	77.00
13222175	Clean and Modify Racks - 12GEV Shunts	28-Aug-12	10-Sep-12	1.80	$3,530	2.00	$0	$3,530	$0	77.00
13222180	Reinstall Chassis' in Racks - 12GEV Shunts	11-Sep-12	24-Sep-12	2.00	$3,530	2.00	$0	$3,530	$0	77.00
13222185	New Screens for 12 GEV Shunts	07-May-12	11-May-12	1.00	$2,625	1.00	$0	$2,625	$0	95.60
13222190	Reconfiguration and Testing - 12GEV Shunts	04-Feb-13	01-Apr-13	8.00	$7,286	4.00	$0	$7,286	$0	60.00
13222195	Update Machine Documentation - 12GEV Shunts	02-Apr-13	11-Apr-13	1.60	$3,541	1.50	$0	$3,541	$0	60.00
13222200	Engineering, Drafting and Software - 25 Amp Shunts	26-Mar-12	29-Jun-12	13.60	$5,645	2.00	$0	$5,645	$0	66.00
13222205	Procurement Labor - 25 Amp Shunts FY12	02-Jul-12	28-Sep-12	12.80	$2,077	0.74	$0	$2,077	$0	66.00
13222205a	Procurement Labor - 25 Amp Shunts FY13	01-Oct-12	31-Oct-12	4.60	$770	0.26	$0	$770	$0	66.00
13222210	Procurements - 25 Amp Shunts	02-Jul-12	31-Oct-12	17.40	$0	0.00	$6,000	$6,000	$0	66.00
13222215	Modification - 25 Amp Shunt Upgrade	25-Oct-12	30-Nov-12	5.00	$10,199	5.00	$0	$10,199	$0	66.00
13222220	Installation and Testing - 25 Amp Shunt Upgrade	03-Dec-12	31-Jan-13	7.40	$4,734	2.00	$0	$4,734	$0	66.00
13222230	Drafting (Update Machine Drawings)	01-Feb-13	28-Feb-13	3.80	$4,752	2.20	$0	$4,752	$0	66.00
13222240	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$174,522	$174,522	$0	4.00
23222030	Installation and Testing - Single Channel Shunt Chassis FY13	03-Sep-13	30-Sep-13	4.00	$414	0.23	$0	$414	$0	31.20
23222030a	Installation and Testing - Single Channel Shunt Chassis FY14	01-Oct-13	01-Nov-13	4.80	$497	0.27	$0	$497	$0	31.20
23222035	Data Entry / Paperwork - Single Channel Shunt Chassis FY13	03-Sep-13	30-Sep-13	4.00	$109	0.05	$0	$109	$0	31.20



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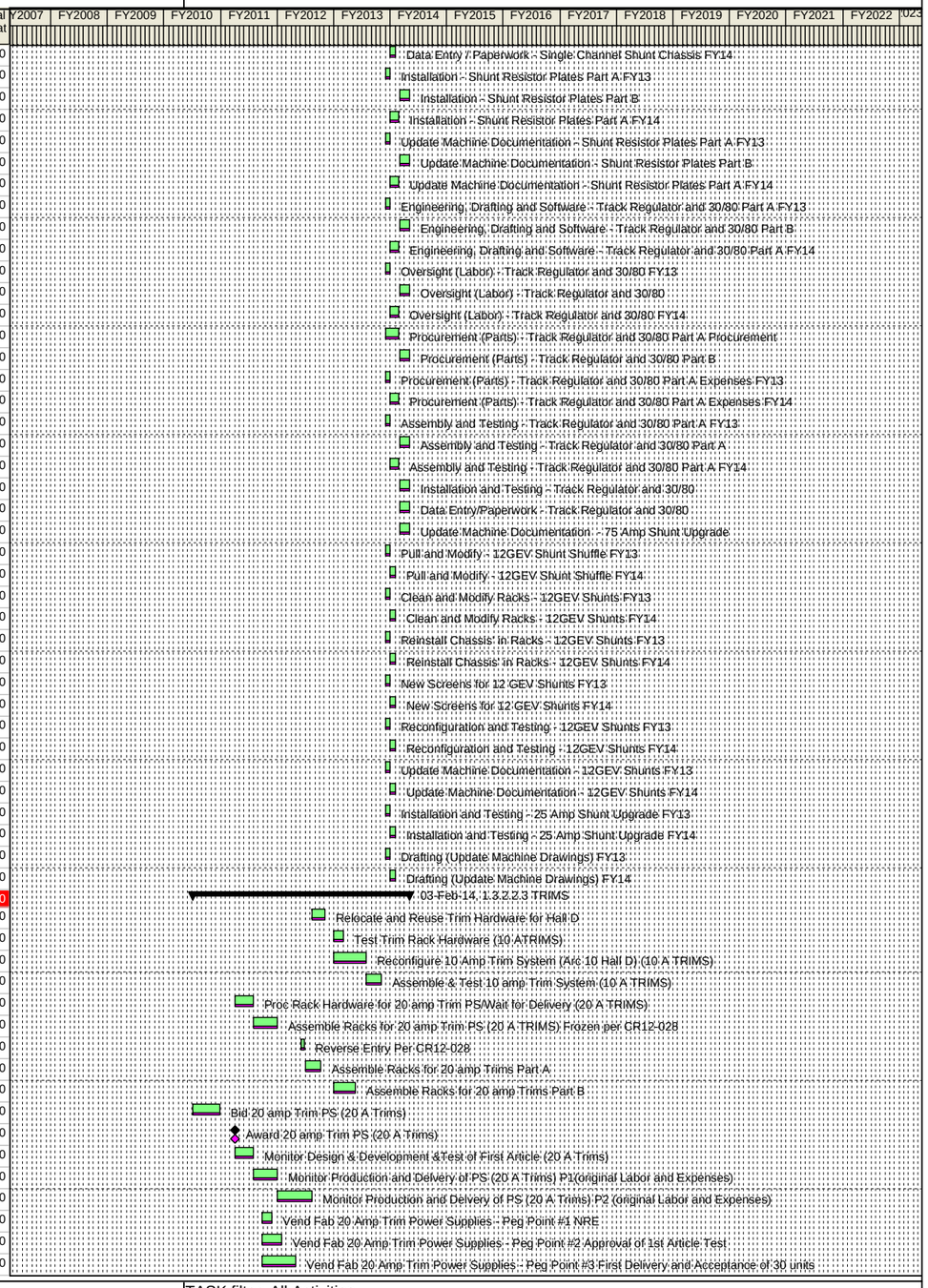
Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
23222035a	Data Entry / Paperwork - Single Channel Shunt Chassis FY14	01-Oct-13	01-Nov-13	4.80	$131	0.05	$0	$131	$0	31.20
23222064	Installation - Shunt Resistor Plates Part A FY13	03-Sep-13	30-Sep-13	4.00	$260	0.14	$0	$260	$0	20.40
23222064a	Installation - Shunt Resistor Plates Part B	02-Dec-13	31-Jan-14	7.20	$398	0.22	$0	$398	$0	20.40
23222065	Installation - Shunt Resistor Plates Part A FY14	01-Oct-13	27-Nov-13	8.40	$546	0.30	$0	$546	$0	20.40
23222067	Update Machine Documentation - Shunt Resistor Plates Part A FY13	03-Sep-13	30-Sep-13	4.00	$223	0.12	$0	$223	$0	20.40
23222067a	Update Machine Documentation - Shunt Resistor Plates Part B	02-Dec-13	31-Jan-14	7.20	$341	0.19	$0	$341	$0	20.40
23222068	Update Machine Documentation - Shunt Resistor Plates Part A FY14	01-Oct-13	27-Nov-13	8.40	$468	0.26	$0	$468	$0	20.40
23222070A	Engineering, Drafting and Software - Track Regulator and 30/80 Part A FY13	03-Sep-13	30-Sep-13	4.00	$631	0.24	$0	$631	$0	20.20
23222070Aa	Engineering, Drafting and Software - Track Regulator and 30/80 Part B	02-Dec-13	03-Feb-14	7.40	$992	0.38	$0	$992	$0	20.20
23222070Ab	Engineering, Drafting and Software - Track Regulator and 30/80 Part A FY14	01-Oct-13	27-Nov-13	8.40	$1,325	0.51	$0	$1,325	$0	20.20
23222075A	Oversight (Labor) - Track Regulator and 30/80 FY13	03-Sep-13	30-Sep-13	4.00	$588	0.20	$0	$588	$0	20.20
23222075Aa	Oversight (Labor) - Track Regulator and 30/80	02-Dec-13	03-Feb-14	7.40	$925	0.32	$0	$925	$0	20.20
23222075Ab	Oversight (Labor) - Track Regulator and 30/80 FY14	01-Oct-13	27-Nov-13	8.40	$1,236	0.42	$0	$1,236	$0	20.20
23222080A	Procurement (Parts) - Track Regulator and 30/80 Part A Procurement	03-Sep-13	27-Nov-13	12.40	$0	0.00	$12	$12	$0	20.20
23222080Aa	Procurement (Parts) - Track Regulator and 30/80 Part B	02-Dec-13	03-Feb-14	7.40	$0	0.00	$0	$451	$451	20.20
23222080Ab	Procurement (Parts) - Track Regulator and 30/80 Part A Expenses FY13	03-Sep-13	30-Sep-13	4.00	$0	0.00	$0	$287	$287	20.20
23222080Ac	Procurement (Parts) - Track Regulator and 30/80 Part A Expenses FY14	01-Oct-13	27-Nov-13	8.40	$0	0.00	$0	$602	$602	20.20
23222085A	Assembly and Testing - Track Regulator and 30/80 Part A FY13	03-Sep-13	30-Sep-13	4.00	$2,024	1.11	$0	$2,024	$0	20.20
23222085Aa	Assembly and Testing - Track Regulator and 30/80 Part A	02-Dec-13	03-Feb-14	7.40	$3,183	1.75	$0	$3,183	$0	20.20
23222085Ab	Assembly and Testing - Track Regulator and 30/80 Part A FY14	01-Oct-13	27-Nov-13	8.40	$4,250	2.33	$0	$4,250	$0	20.20
23222095	Installation and Testing - Track Regulator and 30/80	02-Dec-13	03-Feb-14	7.40	$8,048	3.40	$0	$8,048	$0	20.20
23222100A	Data Entry/Paperwork - Track Regulator and 30/80	02-Dec-13	03-Feb-14	7.40	$3,320	1.70	$0	$3,320	$0	20.20
23222142	Update Machine Documentation - 75 Amp Shunt Upgrade	02-Dec-13	03-Feb-14	7.40	$354	0.17	$0	$354	$0	20.20
23222170	Pull and Modify - 12GEV Shunt Shuffle FY13	03-Sep-13	30-Sep-13	4.00	$2,318	1.27	$0	$2,318	$0	31.20
23222170a	Pull and Modify - 12GEV Shunt Shuffle FY14	01-Oct-13	01-Nov-13	4.80	$2,782	1.53	$0	$2,782	$0	31.20
23222175	Clean and Modify Racks - 12GEV Shunts FY13	03-Sep-13	30-Sep-13	4.00	$3,974	2.18	$0	$3,974	$0	31.20
23222175a	Clean and Modify Racks - 12GEV Shunts FY14	01-Oct-13	01-Nov-13	4.80	$4,769	2.62	$0	$4,769	$0	31.20
23222180	Reinstall Chassis' in Racks - 12GEV Shunts FY13	03-Sep-13	30-Sep-13	4.00	$663	0.36	$0	$663	$0	31.20
23222180a	Reinstall Chassis' in Racks - 12GEV Shunts FY14	01-Oct-13	01-Nov-13	4.80	$795	0.44	$0	$795	$0	31.20
23222185	New Screens for 12 GEV Shunts FY13	03-Sep-13	30-Sep-13	4.00	$1,231	0.45	$0	$1,231	$0	31.20
23222185a	New Screens for 12 GEV Shunts FY14	01-Oct-13	01-Nov-13	4.80	$1,477	0.55	$0	$1,477	$0	31.20
23222190	Reconfiguration and Testing - 12GEV Shunts FY13	03-Sep-13	30-Sep-13	4.00	$3,312	1.82	$0	$3,312	$0	31.20
23222190a	Reconfiguration and Testing - 12GEV Shunts FY14	01-Oct-13	01-Nov-13	4.80	$3,975	2.18	$0	$3,975	$0	31.20
23222195	Update Machine Documentation - 12GEV Shunts FY13	03-Sep-13	30-Sep-13	4.00	$1,609	0.68	$0	$1,609	$0	31.20
23222195a	Update Machine Documentation - 12GEV Shunts FY14	01-Oct-13	01-Nov-13	4.80	$1,931	0.82	$0	$1,931	$0	31.20
23222220	Installation and Testing - 25 Amp Shunt Upgrade FY13	03-Sep-13	30-Sep-13	4.00	$2,152	0.91	$0	$2,152	$0	31.20
23222220a	Installation and Testing - 25 Amp Shunt Upgrade FY14	01-Oct-13	01-Nov-13	4.80	$2,582	1.09	$0	$2,582	$0	31.20
23222230	Drafting (Update Machine Drawings) FY13	03-Sep-13	30-Sep-13	4.00	$2,160	1.00	$0	$2,160	$0	31.20
23222230a	Drafting (Update Machine Drawings) FY14	01-Oct-13	01-Nov-13	4.80	$2,592	1.20	$0	$2,592	$0	31.20
1.3.2.2.3 TRIMS		07-Apr-10	03-Feb-14	189.60	$243,942	118.10	$1,560,923	$1,835,617	$30,752	30.40
13223010	Relocate and Reuse Trim Hardware for Hall D	14-May-12	07-Aug-12	12.00	$8,045	4.50	$0	$13,369	$5,324	71.80
13223015	Test Trim Rack Hardware (10 ATRIMS)	01-Oct-12	30-Nov-12	8.60	$3,278	1.50	$0	$3,278	$0	64.40
13223020	Reconfigure 10 Amp Trim System (Arc 10 Hall D) (10 A TRIMS)	01-Oct-12	01-May-13	28.60	$17,803	8.50	$0	$17,803	$0	31.60
13223025	Assemble & Test 10 amp Trim System (10 A TRIMS)	02-May-13	01-Aug-13	12.80	$12,907	6.00	$0	$12,907	$0	31.60
13223030	Proc Rack Hardware for 20 amp Trim PS/Wait for Delivery (20 A TRIMS)	05-Jan-11	28-Apr-11	16.00	$5,470	2.00	$116,218	$121,689	$0	84.60
13223035	Assemble Racks for 20 amp Trim PS (20 A TRIMS) Frozen per CR12-028	29-Apr-11	30-Sep-11	21.60	$21,385	12.50	$0	$25,920	$4,535	94.80
13223035A	Reverse Entry Per CR12-028	05-Mar-12	23-Mar-12	3.00	($26,672)	-15.11	$0	($33,556)	($6,884)	26.40
13223036	Assemble Racks for 20 amp Trims Part A	02-Apr-12	09-Jul-12	13.80	$5,296	3.00	$0	$6,796	$1,500	39.00
13223036A	Assemble Racks for 20 amp Trims Part B	01-Oct-12	14-Feb-13	18.00	$21,859	12.00	$0	$24,991	$3,132	27.40
13223038	Bid 20 amp Trim PS (20 A Trims)	07-Apr-10	24-Sep-10	24.00	$6,627	2.50	$0	$6,627	$0	106.80
13223039M	Award 20 amp Trim PS (20 A Trims)	05-Jan-11		0.00	$0	0.00	$0	$0	$0	94.00
13223045	Monitor Design & Development &Test of First Article (20 A Trims)	05-Jan-11	28-Apr-11	16.00	$5,470	2.00	$0	$7,738	$2,268	94.00
13223050	Monitor Production and Delvery of PS (20 A Trims) P1(original Labor and Expenses)	29-Apr-11	30-Sep-11	21.60	$2,836	1.25	$0	$5,104	$2,268	94.00
13223051	Monitor Production and Delvery of PS (20 A Trims) P2 (original Labor and Expenses)	03-Oct-11	11-May-12	30.00	$2,927	1.25	$0	$5,267	$2,340	115.60
13223051A	Vend Fab 20 Amp Trim Power Supplies - Peg Point #1 NRE	27-Jun-11	31-Aug-11	9.40	$0	0.00	$50,000	$50,000	$0	74.40
13223051B	Vend Fab 20 Amp Trim Power Supplies - Peg Point #2 Approval of 1st Article Test	27-Jun-11	31-Oct-11	17.80	$0	0.00	$52,000	$52,000	$0	74.40
13223051C	Vend Fab 20 Amp Trim Power Supplies - Peg Point #3 First Delivery and Acceptance of ...	27-Jun-11	31-Jan-12	29.20	$0	0.00	$150,000	$150,000	$0	74.40



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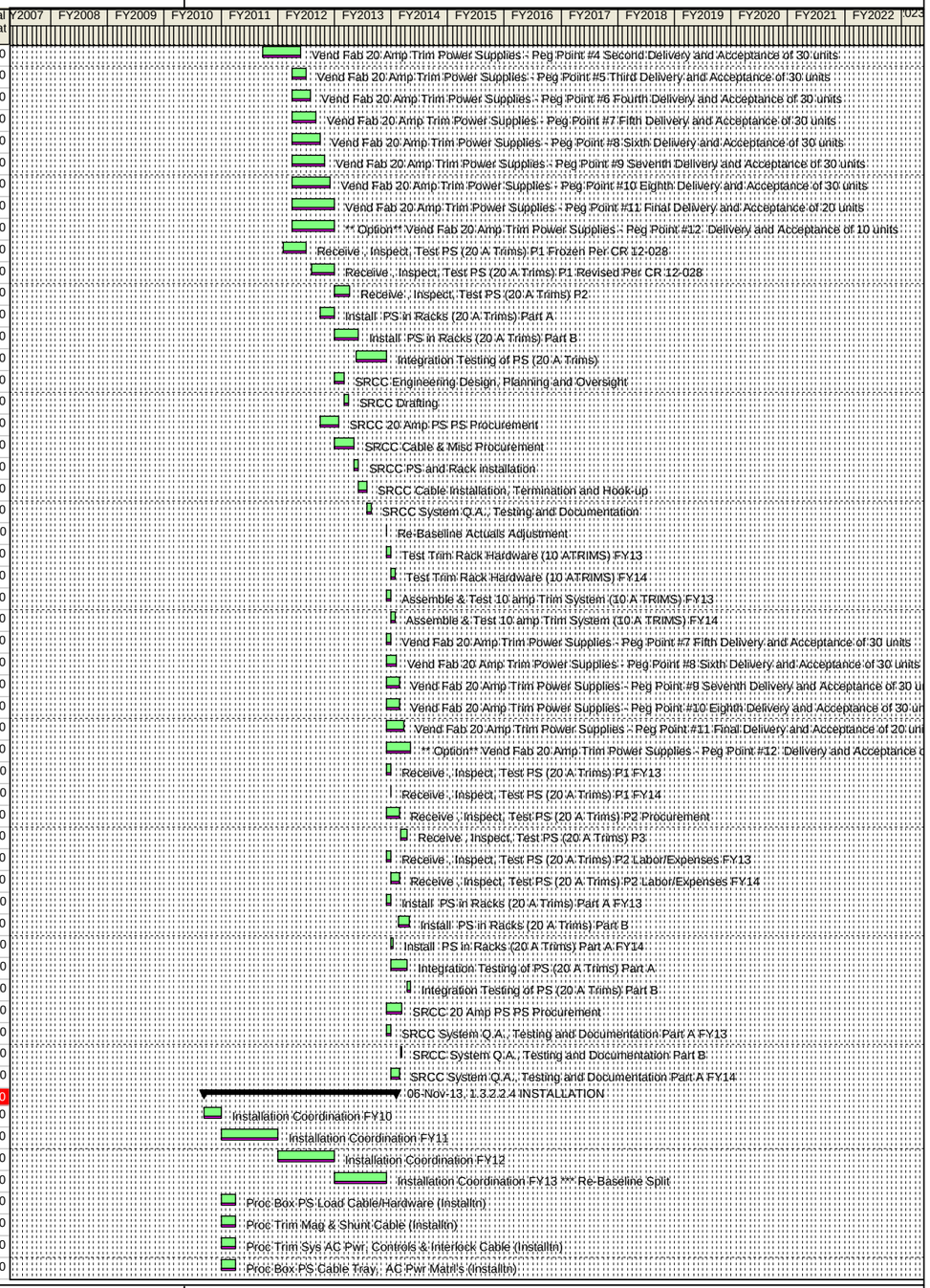
Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
13223051D	Vend Fab 20 Amp Trim Power Supplies - Peg Point #4 Second Delivery and Acceptance...	27-Jun-11	29-Feb-12	33.20	$0	0.00	$150,000	$150,000	$0	74.40
13223051F	Vend Fab 20 Amp Trim Power Supplies - Peg Point #5 Third Delivery and Acceptance of...	03-Jan-12	30-Mar-12	12.40	$0	0.00	$120,000	$120,000	$0	76.20
13223051G	Vend Fab 20 Amp Trim Power Supplies - Peg Point #6 Fourth Delivery and Acceptance ...	03-Jan-12	30-Apr-12	16.60	$0	0.00	$120,000	$120,000	$0	76.20
13223051H	Vend Fab 20 Amp Trim Power Supplies - Peg Point #7 Fifth Delivery and Acceptance of ...	03-Jan-12	31-May-12	21.00	$0	0.00	$120,000	$120,000	$0	76.20
13223051J	Vend Fab 20 Amp Trim Power Supplies - Peg Point #8 Sixth Delivery and Acceptance of...	03-Jan-12	29-Jun-12	25.00	$0	0.00	$120,000	$120,000	$0	76.20
13223051K	Vend Fab 20 Amp Trim Power Supplies - Peg Point #9 Seventh Delivery and Acceptanc...	03-Jan-12	31-Jul-12	29.40	$0	0.00	$120,000	$120,000	$0	76.20
13223051N	Vend Fab 20 Amp Trim Power Supplies - Peg Point #10 Eighth Delivery and Acceptance...	03-Jan-12	31-Aug-12	34.00	$0	0.00	$120,000	$120,000	$0	76.20
13223051P	Vend Fab 20 Amp Trim Power Supplies - Peg Point #11 Final Delivery and Acceptance ...	03-Jan-12	28-Sep-12	37.80	$0	0.00	$80,000	$80,000	$0	76.20
13223051Q	** Option** Vend Fab 20 Amp Trim Power Supplies - Peg Point #12 Delivery and Accep...	03-Jan-12	28-Sep-12	37.80	$0	0.00	$40,000	$40,000	$0	76.20
13223052	Receive , Inspect, Test PS (20 A Trims) P1 Frozen Per CR 12-028	10-Nov-11	29-Mar-12	18.20	$5,296	3.00	$0	$7,636	$2,340	76.80
13223052A	Receive , Inspect, Test PS (20 A Trims) P1 Revised Per CR 12-028	04-May-12	28-Sep-12	20.60	$9,883	5.00	$0	$12,223	$2,340	51.20
13223053	Receive , Inspect, Test PS (20 A Trims) P2	01-Oct-12	07-Jan-13	12.60	$5,465	3.00	$0	$7,879	$2,415	51.20
13223055	Install PS in Racks (20 A Trims) Part A	04-Jul-12	28-Sep-12	12.40	$11,121	6.30	$0	$11,121	$0	51.20
13223055A	Install PS in Racks (20 A Trims) Part B	01-Oct-12	04-Mar-13	20.20	$10,930	6.00	$0	$10,930	$0	51.20
13223060	Integration Testing of PS (20 A Trims)	15-Feb-13	30-Aug-13	27.60	$18,710	8.48	$0	$22,280	$3,570	27.40
13223100	SRCC Engineering Design, Planning and Oversight	01-Oct-12	30-Nov-12	8.60	$8,737	3.00	$0	$8,737	$0	15.00
13223105	SRCC Drafting	03-Dec-12	31-Dec-12	3.20	$5,825	2.00	$0	$5,825	$0	15.00
13223110	SRCC 20 Amp PS PS Procurement	03-Jul-12	31-Oct-12	17.20	$0	0.00	$20,000	$20,000	$0	26.40
13223112	SRCC Cable & Misc Procurement	01-Oct-12	31-Jan-13	16.00	$0	0.00	$10,319	$10,319	$0	15.00
13223115	SRCC PS and Rack installation	01-Feb-13	01-Mar-13	4.00	$5,024	3.00	$0	$5,024	$0	15.00
13223120	SRCC Cable Installation, Termination and Hook-up	04-Mar-13	30-Apr-13	8.40	$7,286	4.00	$0	$7,286	$0	15.00
13223125	SRCC System Q.A., Testing and Documentation	01-May-13	29-May-13	4.00	$9,264	4.00	$0	$9,264	$0	15.00
13223130	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($235,014)	($235,014)	$0	4.00
23223015	Test Trim Rack Hardware (10 ATRIMS) FY13	03-Sep-13	30-Sep-13	4.00	$1,513	0.69	$0	$1,513	$0	19.40
23223015a	Test Trim Rack Hardware (10 ATRIMS) FY14	01-Oct-13	25-Oct-13	3.80	$1,437	0.66	$0	$1,437	$0	19.40
23223025	Assemble & Test 10 amp Trim System (10 A TRIMS) FY13	03-Sep-13	30-Sep-13	4.00	$6,619	3.08	$0	$6,619	$0	19.40
23223025a	Assemble & Test 10 amp Trim System (10 A TRIMS) FY14	01-Oct-13	25-Oct-13	3.80	$6,288	2.92	$0	$6,288	$0	19.40
23223051H	Vend Fab 20 Amp Trim Power Supplies - Peg Point #7 Fifth Delivery and Acceptance of ...	03-Sep-13	30-Sep-13	4.00	$0	0.00	$77,162	$77,162	$0	10.60
23223051J	Vend Fab 20 Amp Trim Power Supplies - Peg Point #8 Sixth Delivery and Acceptance of...	03-Sep-13	31-Oct-13	8.60	$0	0.00	$77,162	$77,162	$0	10.60
23223051K	Vend Fab 20 Amp Trim Power Supplies - Peg Point #9 Seventh Delivery and Acceptanc...	03-Sep-13	27-Nov-13	12.40	$0	0.00	$77,162	$77,162	$0	10.60
23223051N	Vend Fab 20 Amp Trim Power Supplies - Peg Point #10 Eighth Delivery and Acceptance...	03-Sep-13	27-Nov-13	12.40	$0	0.00	$77,162	$77,162	$0	10.60
23223051P	Vend Fab 20 Amp Trim Power Supplies - Peg Point #11 Final Delivery and Acceptance ...	03-Sep-13	20-Dec-13	15.40	$0	0.00	$51,441	$51,441	$0	10.60
23223051Q	** Option** Vend Fab 20 Amp Trim Power Supplies - Peg Point #12 Delivery and Accep...	03-Sep-13	31-Jan-14	19.60	$0	0.00	$30,776	$30,776	$0	10.60
23223052A	Receive , Inspect, Test PS (20 A Trims) P1 FY13	03-Sep-13	30-Sep-13	4.00	$594	0.29	$0	$730	$136	7.40
23223052Aa	Receive , Inspect, Test PS (20 A Trims) P1 FY14	01-Oct-13	01-Oct-13	0.20	$30	0.01	$0	$36	$7	7.40
23223053	Receive , Inspect, Test PS (20 A Trims) P2 Procurement	03-Sep-13	27-Nov-13	12.40	$0	0.00	$1,155	$1,155	$0	10.40
23223053a	Receive , Inspect, Test PS (20 A Trims) P3	02-Dec-13	14-Jan-14	4.80	$934	0.51	$0	$1,507	$573	10.40
23223054	Receive , Inspect, Test PS (20 A Trims) P2 Labor/Expenses FY13	03-Sep-13	30-Sep-13	4.00	$1,271	0.70	$0	$1,833	$562	10.40
23223054a	Receive , Inspect, Test PS (20 A Trims) P2 Labor/Expenses FY14	01-Oct-13	27-Nov-13	8.40	$2,669	1.47	$0	$3,848	$1,179	10.40
23223055	Install PS in Racks (20 A Trims) Part A FY13	03-Sep-13	30-Sep-13	4.00	$1,851	1.02	$0	$1,851	$0	7.40
23223055A	Install PS in Racks (20 A Trims) Part B	20-Nov-13	23-Jan-14	7.20	$9,290	5.10	$0	$9,290	$0	19.20
23223055b	Install PS in Racks (20 A Trims) Part A FY14	01-Oct-13	15-Oct-13	2.20	$1,018	0.56	$0	$1,018	$0	7.40
23223060	Integration Testing of PS (20 A Trims) Part A	02-Oct-13	09-Jan-14	12.40	$9,336	4.23	$0	$11,117	$1,781	7.40
23223060a	Integration Testing of PS (20 A Trims) Part B	10-Jan-14	03-Feb-14	3.20	$7,161	3.24	$0	$8,528	$1,367	7.40
23223110	SRCC 20 Amp PS PS Procurement	03-Sep-13	06-Dec-13	13.40	$0	0.00	$15,380	$15,380	$0	8.40
23223125	SRCC System Q.A., Testing and Documentation Part A FY13	03-Sep-13	30-Sep-13	4.00	$2,765	1.19	$0	$2,765	$0	8.40
23223125a	SRCC System Q.A., Testing and Documentation Part B	02-Dec-13	06-Dec-13	1.00	$588	0.25	$0	$588	$0	8.40
23223125b	SRCC System Q.A., Testing and Documentation Part A FY14	01-Oct-13	27-Nov-13	8.40	$5,807	2.51	$0	$5,807	$0	8.40
1.3.2.2.4 INSTALLATION		11-Jun-10	06-Nov-13	169.60	$568,315	324.71	$857,805	$1,442,214	$16,095	55.40
13224000LOE	Installation Coordination FY10	11-Jun-10	30-Sep-10	15.60	$15,181	8.00	$0	$15,181	$0	47.40
13224001LOE	Installation Coordination FY11	01-Oct-10	30-Sep-11	49.60	$22,412	11.45	$0	$22,412	$0	47.40
13224002LOE	Installation Coordination FY12	03-Oct-11	28-Sep-12	49.40	$23,033	11.40	$0	$23,033	$0	47.40
13224003LOE	Installation Coordination FY13 *** Re-Baseline Split	01-Oct-12	30-Aug-13	45.60	$26,775	9.19	$0	$26,775	$0	47.40
13224005	Proc Box PS Load Cable/Hardware (Installtn)	01-Oct-10	04-Jan-11	12.00	$1,958	1.00	$106,581	$108,539	$0	86.80
13224010	Proc Trim Mag & Shunt Cable (Installtn)	01-Oct-10	04-Jan-11	12.00	$1,958	1.00	$50,735	$52,693	$0	86.80
13224015	Proc Trim Sys AC Pwr, Controls & Interlock Cable (Installtn)	01-Oct-10	04-Jan-11	12.00	$1,958	1.00	$52,644	$54,602	$0	86.80
13224020	Proc Box PS Cable Tray, AC Pwr Matrl's (Installtn)	01-Oct-10	04-Jan-11	12.00	$1,958	1.00	$69,958	$71,916	$0	86.80



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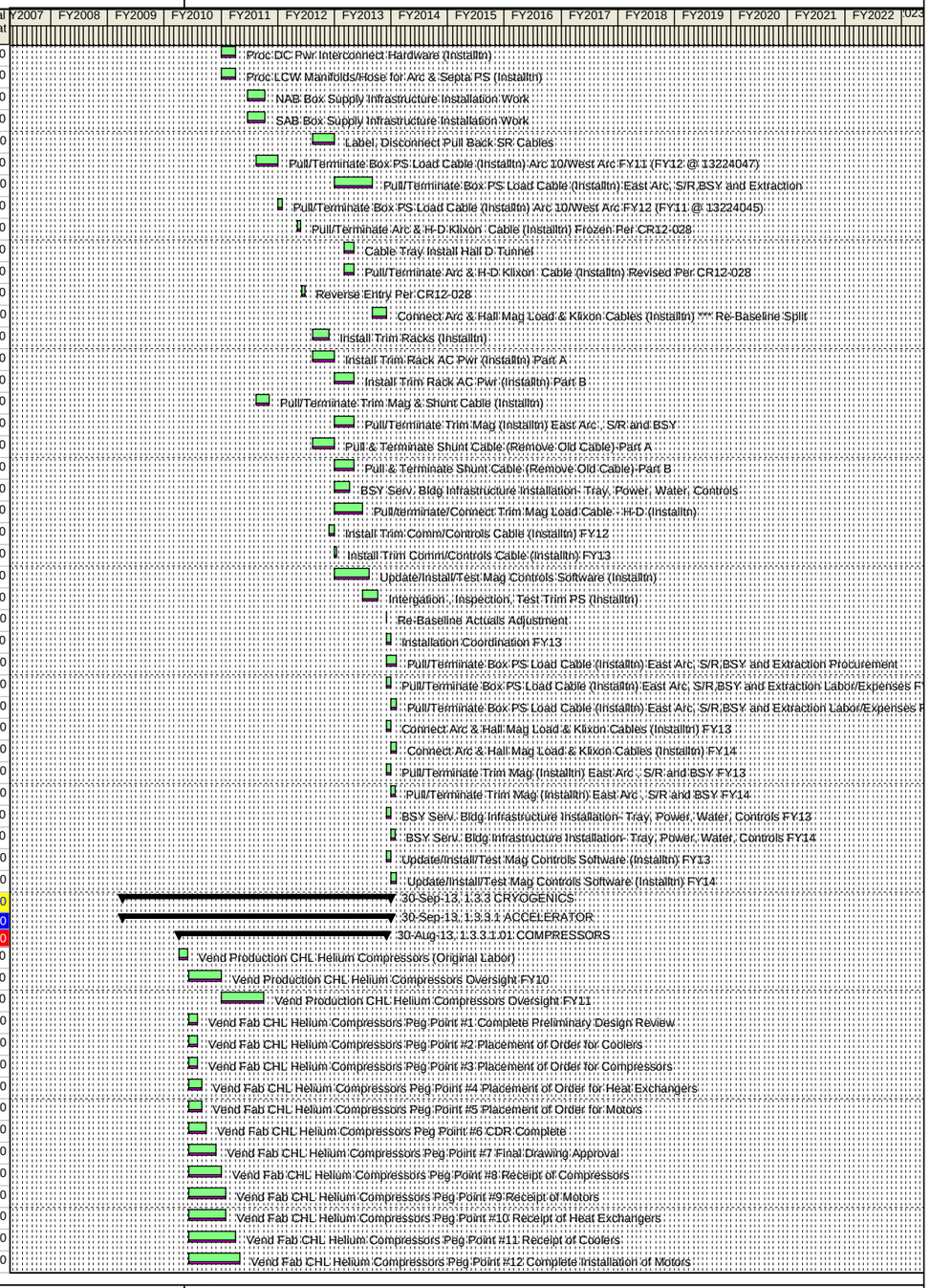
Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
13224025	Proc DC Pwr Interconnect Hardware (Installtn)	01-Oct-10	04-Jan-11	12.00	$1,958	1.00	$83,348	$85,306	$0	86.80
13224030	Proc LCW Manifolds/Hose for Arc & Septa PS (Installtn)	01-Oct-10	04-Jan-11	12.00	$855	0.50	$11,338	$12,194	$0	86.80
13224040	NAB Box Supply Infrastructure Installation Work	21-Mar-11	12-Jul-11	16.00	$33,223	24.00	$0	$36,624	$3,402	97.60
13224040A	SAB Box Supply Infrastructure Installation Work	21-Mar-11	12-Jul-11	16.00	$33,223	24.00	$0	$36,624	$3,402	97.60
13224044	Label, Disconnect Pull Back SR Cables	14-May-12	28-Sep-12	19.40	$9,310	6.00	$0	$9,310	$0	4.00
13224045	Pull/Terminate Box PS Load Cable (Installtn) Arc 10/West Arc FY11 (FY12 @ 13224047)	13-May-11	30-Sep-11	19.60	$19,920	14.70	$0	$19,920	$0	81.80
13224045A	Pull/Terminate Box PS Load Cable (Installtn) East Arc, S/R,BSY and Extraction	01-Oct-12	31-May-13	32.80	$6,904	5.00	$0	$6,904	$0	4.00
13224047	Pull/Terminate Box PS Load Cable (Installtn) Arc 10/West Arc FY12 (FY11 @ 13224045)	03-Oct-11	01-Nov-11	4.40	$4,615	3.30	$0	$4,615	$0	81.80
13224050	Pull/Terminate Arc & H-D Klixon Cable (Installtn) Frozen Per CR12-028	06-Feb-12	29-Feb-12	3.40	$8,216	5.53	$0	$8,216	$0	81.80
13224050A	Cable Tray Install Hall D Tunnel	03-Dec-12	05-Feb-13	8.00	$5,523	4.00	$0	$5,523	$0	20.20
13224052	Pull/Terminate Arc & H-D Klixon Cable (Installtn) Revised Per CR12-028	03-Dec-12	05-Feb-13	8.00	$9,166	6.00	$0	$9,166	$0	35.40
13224053	Reverse Entry Per CR12-028	05-Mar-12	23-Mar-12	3.00	($8,216)	-5.53	$0	($8,216)	$0	26.40
13224055	Connect Arc & Hall Mag Load & Klixon Cables (Installtn) *** Re-Baseline Split	03-Jun-13	30-Aug-13	12.80	$5,416	3.48	$0	$5,416	$0	4.00
13224075	Install Trim Racks (Installtn)	14-May-12	29-Aug-12	15.20	$6,435	4.00	$0	$6,435	$0	43.20
13224080	Install Trim Rack AC Pwr (Installtn) Part A	14-May-12	28-Sep-12	19.40	$13,380	10.00	$0	$13,380	$0	43.20
13224080A	Install Trim Rack AC Pwr (Installtn) Part B	01-Oct-12	31-Jan-13	16.00	$13,808	10.00	$0	$13,808	$0	43.20
13224085	Pull/Terminate Trim Mag & Shunt Cable (Installtn)	13-May-11	08-Aug-11	12.00	$14,987	9.00	$0	$14,987	$0	116.20
13224085A	Pull/Terminate Trim Mag (Installtn) East Arc , S/R and BSY	01-Oct-12	31-Jan-13	16.00	$100,188	55.00	$0	$100,188	$0	43.20
13224085B	Pull & Terminate Shunt Cable (Remove Old Cable)-Part A	14-May-12	28-Sep-12	19.40	$10,591	6.00	$0	$10,591	$0	60.00
13224085C	Pull & Terminate Shunt Cable (Remove Old Cable)-Part B	01-Oct-12	01-Feb-13	16.20	$14,573	8.00	$0	$14,573	$0	60.00
13224087	BSY Serv. Bldg Infrastructure Installation- Tray, Power, Water, Controls	01-Oct-12	07-Jan-13	12.60	$25,828	16.00	$0	$25,828	$0	63.60
13224090	Pull/terminate/Connect Trim Mag Load Cable - H-D (Installtn)	01-Oct-12	28-Mar-13	23.80	$9,403	6.00	$0	$9,403	$0	35.40
13224095	Install Trim Comm/Controls Cable (Installtn) FY12	30-Aug-12	28-Sep-12	4.20	$20,250	10.85	$0	$20,250	$0	57.40
13224095a	Install Trim Comm/Controls Cable (Installtn) FY13	01-Oct-12	11-Oct-12	1.80	$8,956	4.65	$0	$8,956	$0	57.40
13224100	Update/Install/Test Mag Controls Software (Installtn)	01-Oct-12	10-May-13	30.00	$32,501	12.00	$0	$32,501	$0	21.60
13224110	Intergation , Inspection, Test Trim PS (Installtn)	29-Mar-13	05-Jul-13	13.80	$29,852	15.50	$0	$31,144	$1,292	35.40
13224115	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$483,127	$483,127	$0	4.00
23224003LOE	Installation Coordination FY13	03-Sep-13	30-Sep-13	4.00	$2,348	0.81	$0	$2,348	$0	43.20
23224045A	Pull/Terminate Box PS Load Cable (Installtn) East Arc, S/R,BSY and Extraction Procure...	03-Sep-13	06-Nov-13	9.40	$0	0.00	$74	$74	$0	3.60
23224045Aa	Pull/Terminate Box PS Load Cable (Installtn) East Arc, S/R,BSY and Extraction Labor/E...	03-Sep-13	30-Sep-13	4.00	$874	0.51	$0	$1,087	$213	3.60
23224045Ab	Pull/Terminate Box PS Load Cable (Installtn) East Arc, S/R,BSY and Extraction Labor/E...	01-Oct-13	06-Nov-13	5.40	$1,180	0.69	$0	$1,467	$287	3.60
23224055	Connect Arc & Hall Mag Load & Klixon Cables (Installtn) FY13	03-Sep-13	30-Sep-13	4.00	$2,651	1.70	$0	$2,651	$0	3.60
23224055a	Connect Arc & Hall Mag Load & Klixon Cables (Installtn) FY14	01-Oct-13	06-Nov-13	5.40	$3,578	2.30	$0	$3,578	$0	3.60
23224085A	Pull/Terminate Trim Mag (Installtn) East Arc , S/R and BSY FY13	03-Sep-13	30-Sep-13	4.00	$2,082	1.14	$0	$2,082	$0	7.20
23224085Aa	Pull/Terminate Trim Mag (Installtn) East Arc , S/R and BSY FY14	01-Oct-13	30-Oct-13	4.40	$2,290	1.26	$0	$2,290	$0	7.20
23224087	BSY Serv. Bldg Infrastructure Installation- Tray, Power, Water, Controls FY13	03-Sep-13	30-Sep-13	4.00	$6,150	3.81	$0	$9,721	$3,571	56.60
23224087a	BSY Serv. Bldg Infrastructure Installation- Tray, Power, Water, Controls FY14	01-Oct-13	30-Oct-13	4.40	$6,765	4.19	$0	$10,693	$3,929	56.60
23224100	Update/Install/Test Mag Controls Software (Installtn) FY13	03-Sep-13	30-Sep-13	4.00	$6,356	2.35	$0	$6,356	$0	5.00
23224100a	Update/Install/Test Mag Controls Software (Installtn) FY14	01-Oct-13	04-Nov-13	5.00	$7,945	2.93	$0	$7,945	$0	5.00
1.3.3 CRYOGENICS		05-Jan-09	30-Sep-13	235.80	$3,020,048	1429.52	$21,124,250	$24,790,898	$646,600	8.60
1.3.3.1 ACCELERATOR		05-Jan-09	30-Sep-13	235.80	$1,761,415	847.52	$20,243,744	$22,260,357	$255,198	8.60
1.3.3.1.01 COMPRESSORS		05-Jan-10	30-Aug-13	182.20	$73,857	38.00	$4,048,905	$4,137,256	$14,494	4.00
1331.01000	Vend Production CHL Helium Compressors (Original Labor)	05-Jan-10	26-Feb-10	7.40	$5,431	2.42	$0	$6,593	$1,162	21.80
1331.01005	Vend Production CHL Helium Compressors Oversight FY10	08-Mar-10	30-Sep-10	29.20	$28,682	15.19	$0	$35,243	$6,561	20.80
1331.01005A	Vend Production CHL Helium Compressors Oversight FY11	01-Oct-10	30-Jun-11	36.80	$39,743	20.40	$0	$46,514	$6,771	20.80
1331.01010	Vend Fab CHL Helium Compressors Peg Point #1 Complete Preliminary Design Review	08-Mar-10	30-Apr-10	8.00	$0	0.00	$138,309	$138,309	$0	6.20
1331.01015	Vend Fab CHL Helium Compressors Peg Point #2 Placement of Order for Coolers	08-Mar-10	30-Apr-10	8.00	$0	0.00	$110,647	$110,647	$0	8.00
1331.01020	Vend Fab CHL Helium Compressors Peg Point #3 Placement of Order for Compressors	08-Mar-10	30-Apr-10	8.00	$0	0.00	$313,500	$313,500	$0	8.00
1331.01025	Vend Fab CHL Helium Compressors Peg Point #4 Placement of Order for Heat Exchang...	08-Mar-10	28-May-10	12.00	$0	0.00	$204,697	$204,697	$0	8.00
1331.01030	Vend Fab CHL Helium Compressors Peg Point #5 Placement of Order for Motors	08-Mar-10	28-May-10	12.00	$0	0.00	$313,500	$313,500	$0	8.00
1331.01035	Vend Fab CHL Helium Compressors Peg Point #6 CDR Complete	08-Mar-10	30-Jun-10	16.40	$0	0.00	$138,309	$138,309	$0	8.00
1331.01040	Vend Fab CHL Helium Compressors Peg Point #7 Final Drawing Approval	08-Mar-10	31-Aug-10	25.00	$0	0.00	$184,412	$184,412	$0	8.00
1331.01045	Vend Fab CHL Helium Compressors Peg Point #8 Receipt of Compressors	08-Mar-10	30-Sep-10	29.20	$0	0.00	$424,147	$424,147	$0	8.00
1331.01050	Vend Fab CHL Helium Compressors Peg Point #9 Receipt of Motors	08-Mar-10	29-Oct-10	33.40	$0	0.00	$424,147	$424,147	$0	8.00
1331.01055	Vend Fab CHL Helium Compressors Peg Point #10 Receipt of Heat Exchangers	08-Mar-10	29-Oct-10	33.40	$0	0.00	$238,813	$238,813	$0	8.00
1331.01060	Vend Fab CHL Helium Compressors Peg Point #11 Receipt of Coolers	08-Mar-10	30-Dec-10	40.80	$0	0.00	$238,813	$238,813	$0	8.00
1331.01065	Vend Fab CHL Helium Compressors Peg Point #12 Complete Installation of Motors	08-Mar-10	31-Jan-11	44.80	$0	0.00	$276,618	$276,618	$0	8.00



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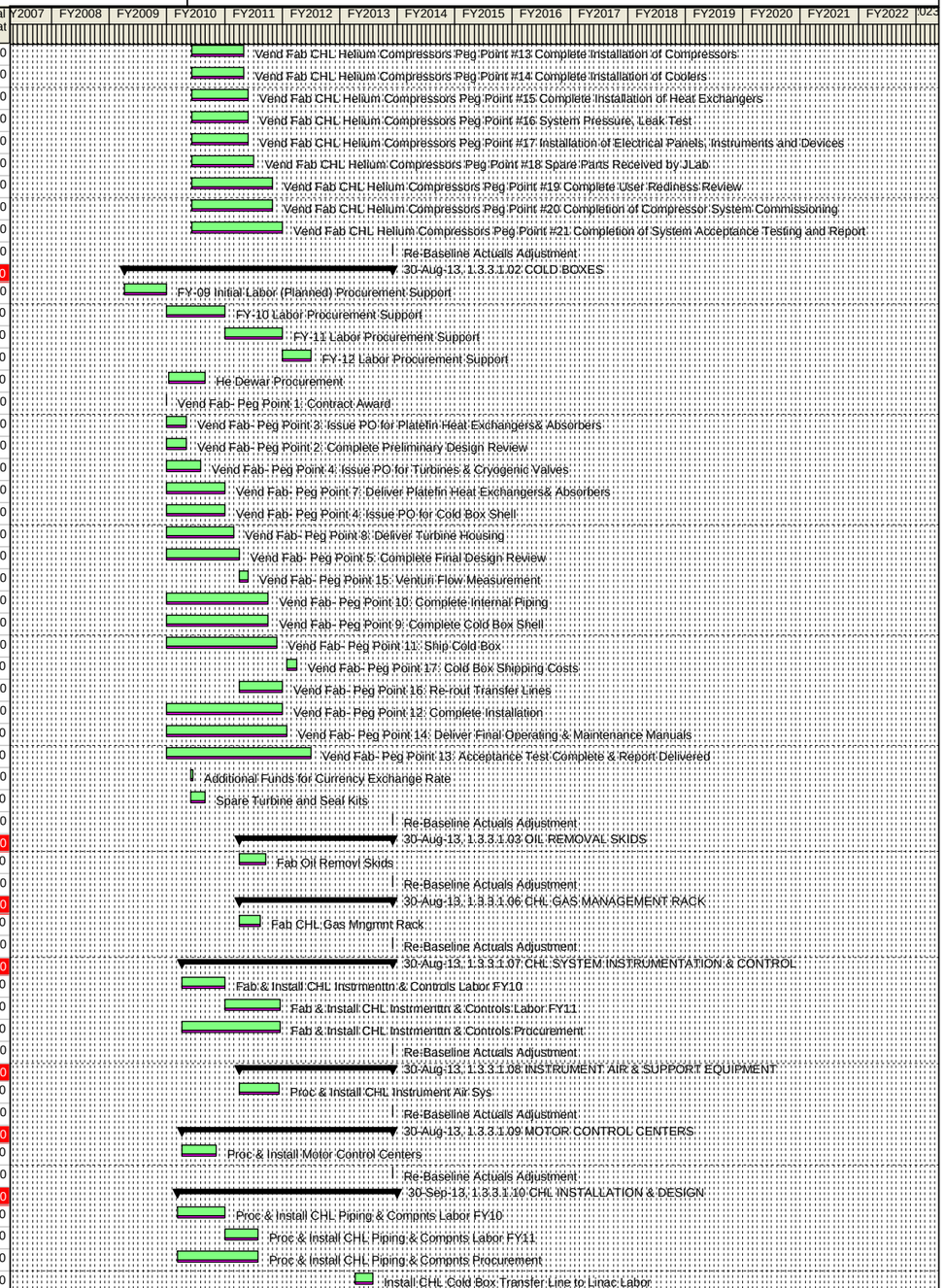
Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
1331.01070	Vend Fab CHL Helium Compressors Peg Point #13 Complete Installation of Compressors	08-Mar-10	31-Jan-11	44.80	$0	0.00	$258,176	$258,176	$0	8.00
1331.01075	Vend Fab CHL Helium Compressors Peg Point #14 Complete Installation of Coolers	08-Mar-10	31-Jan-11	44.80	$0	0.00	$92,206	$92,206	$0	8.00
1331.01080	Vend Fab CHL Helium Compressors Peg Point #15 Complete Installation of Heat Excha...	08-Mar-10	28-Feb-11	48.60	$0	0.00	$92,206	$92,206	$0	8.00
1331.01085	Vend Fab CHL Helium Compressors Peg Point #16 System Pressure, Leak Test	08-Mar-10	28-Feb-11	48.60	$0	0.00	$92,206	$92,206	$0	8.00
1331.01090	Vend Fab CHL Helium Compressors Peg Point #17 Installation of Electrical Panels, Instr...	08-Mar-10	28-Feb-11	48.60	$0	0.00	$92,206	$92,206	$0	8.00
1331.01095	Vend Fab CHL Helium Compressors Peg Point #18 Spare Parts Received by JLab	08-Mar-10	31-Mar-11	53.20	$0	0.00	$57,207	$57,207	$0	8.00
1331.01100	Vend Fab CHL Helium Compressors Peg Point #19 Complete User Rediness Review	08-Mar-10	29-Jul-11	70.00	$0	0.00	$18,441	$18,441	$0	8.00
1331.01105	Vend Fab CHL Helium Compressors Peg Point #20 Completion of Compressor System ...	08-Mar-10	29-Jul-11	70.00	$0	0.00	$18,441	$18,441	$0	8.00
1331.01110	Vend Fab CHL Helium Compressors Peg Point #21 Completion of System Acceptance ...	08-Mar-10	30-Sep-11	78.80	$0	0.00	$18,441	$18,441	$0	8.00
1331.01115	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$303,464	$303,464	$0	4.00
1.3.3.1.02 COLD BOXES		05-Jan-09	30-Aug-13	231.80	$122,891	64.00	$12,241,251	$12,402,784	$38,641	12.60
1331.02000	FY-09 Initial Labor (Planned) Procurement Support	05-Jan-09	30-Sep-09	37.60	$35,197	18.95	$0	$44,649	$9,452	0.00
1331.02001	FY-10 Labor Procurement Support	01-Oct-09	30-Sep-10	49.60	$34,430	18.14	$0	$44,553	$10,123	22.60
1331.02005	FY-11 Labor Procurement Support	01-Oct-10	30-Sep-11	49.60	$35,527	18.14	$0	$45,972	$10,446	59.00
1331.02010	FY-12 Labor Procurement Support	03-Oct-11	30-Mar-12	24.00	$17,738	8.78	$0	$26,358	$8,621	59.00
1331.02012	He Dewar Procurement	15-Oct-09	28-May-10	30.40	$0	0.00	$123,000	$123,000	$0	74.80
1331.02015	Vend Fab- Peg Point 1: Contract Award	30-Sep-09	30-Sep-09	0.20	$0	0.00	$529,000	$529,000	$0	0.00
1331.02020	Vend Fab- Peg Point 3: Issue PO for Platefin Heat Exchangers& Absorbers	30-Sep-09	29-Jan-10	15.80	$0	0.00	$529,000	$529,000	$0	0.00
1331.02025	Vend Fab- Peg Point 2: Complete Preliminary Design Review	30-Sep-09	29-Jan-10	15.80	$0	0.00	$1,058,000	$1,058,000	$0	0.00
1331.02030	Vend Fab- Peg Point 4: Issue PO for Turbines & Cryogenic Valves	30-Sep-09	30-Apr-10	28.60	$0	0.00	$529,000	$529,000	$0	8.00
1331.02035	Vend Fab- Peg Point 7: Deliver Platefin Heat Exchangers& Absorbers	30-Sep-09	30-Sep-10	49.80	$0	0.00	$1,058,000	$1,058,000	$0	8.00
1331.02040	Vend Fab- Peg Point 4: Issue PO for Cold Box Shell	30-Sep-09	30-Sep-10	49.80	$0	0.00	$529,000	$529,000	$0	8.00
1331.02045	Vend Fab- Peg Point 8: Deliver Turbine Housing	30-Sep-09	30-Nov-10	58.00	$0	0.00	$952,200	$952,200	$0	8.00
1331.02050	Vend Fab- Peg Point 5: Complete Final Design Review	30-Sep-09	31-Dec-10	61.60	$0	0.00	$529,000	$529,000	$0	8.00
1331.02052	Vend Fab- Peg Point 15: Venturi Flow Measurement	04-Jan-11	28-Feb-11	7.60	$0	0.00	$33,800	$33,800	$0	8.00
1331.02055	Vend Fab- Peg Point 10: Complete Internal Piping	30-Sep-09	30-Jun-11	86.60	$0	0.00	$952,200	$952,200	$0	8.00
1331.02060	Vend Fab- Peg Point 9: Complete Cold Box Shell	30-Sep-09	30-Jun-11	86.60	$0	0.00	$952,200	$952,200	$0	8.00
1331.02065	Vend Fab- Peg Point 11: Ship Cold Box	30-Sep-09	31-Aug-11	95.20	$0	0.00	$1,481,200	$1,481,200	$0	8.00
1331.02066	Vend Fab- Peg Point 17: Cold Box Shipping Costs	01-Nov-11	30-Dec-11	7.40	$0	0.00	$250,000	$250,000	$0	96.00
1331.02068	Vend Fab- Peg Point 16: Re-rout Transfer Lines	04-Jan-11	30-Sep-11	37.80	$0	0.00	$97,200	$97,200	$0	8.00
1331.02070	Vend Fab- Peg Point 12: Complete Installation	30-Sep-09	30-Sep-11	99.40	$0	0.00	$423,200	$423,200	$0	8.00
1331.02075	Vend Fab- Peg Point 14: Deliver Final Operating & Maintenance Manuals	30-Sep-09	31-Oct-11	103.60	$0	0.00	$211,600	$211,600	$0	83.60
1331.02080	Vend Fab- Peg Point 13: Acceptance Test Complete & Report Delivered	30-Sep-09	30-Mar-12	123.40	$0	0.00	$846,400	$846,400	$0	83.60
1331.02085	Additional Funds for Currency Exchange Rate	01-Mar-10	12-Mar-10	2.00	$0	0.00	$255,826	$255,826	$0	8.00
1331.02090	Spare Turbine and Seal Kits	01-Mar-10	28-May-10	13.00	$0	0.00	$690,785	$690,785	$0	70.60
1331.02100	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$210,640	$210,640	$0	4.00
1.3.3.1.03 OIL REMOVAL SKIDS		05-Jan-11	30-Aug-13	132.60	$29,681	16.00	$332,645	$362,326	$0	4.00
1331.03000	Fab Oil Removl Skids	05-Jan-11	17-Jun-11	23.00	$29,681	16.00	$399,904	$429,585	$0	22.60
1331.03005	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($67,259)	($67,259)	$0	4.00
1.3.3.1.06 CHL GAS MANAGEMENT RACK		05-Jan-11	30-Aug-13	132.60	$43,427	24.00	$134,004	$205,051	$27,620	4.00
1331.06000	Fab CHL Gas Mngmnt Rack	05-Jan-11	12-May-11	18.00	$43,427	24.00	$81,636	$152,684	$27,620	27.60
1331.06005	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$52,368	$52,368	$0	4.00
1.3.3.1.07 CHL SYSTEM INSTRUMENTATION & CONTROL		05-Jan-10	30-Aug-13	182.20	$338,073	186.00	$543,175	$928,609	$47,361	4.00
1331.07000	Fab & Install CHL Instrmenttn & Controls Labor FY10	05-Jan-10	30-Sep-10	37.60	$146,938	82.28	$0	$167,522	$20,584	10.20
1331.07000a	Fab & Install CHL Instrmenttn & Controls Labor FY11	01-Oct-10	15-Sep-11	47.40	$191,135	103.72	$0	$217,912	$26,777	10.20
1331.07000b	Fab & Install CHL Instrmenttn & Controls Procurement	05-Jan-10	15-Sep-11	85.00	$0	0.00	$576,862	$576,862	$0	10.20
1331.07005	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($33,687)	($33,687)	$0	4.00
1.3.3.1.08 INSTRUMENT AIR & SUPPORT EQUIPMENT		05-Jan-11	30-Aug-13	132.60	$60,080	31.00	$9,075	$69,154	$0	4.00
1331.08000	Proc & Install CHL Instrument Air Sys	05-Jan-11	13-Sep-11	35.00	$60,080	31.00	$39,616	$99,696	$0	10.60
1331.08005	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($30,541)	($30,541)	$0	4.00
1.3.3.1.09 MOTOR CONTROL CENTERS		05-Jan-10	30-Aug-13	182.20	$20,408	13.00	$217,492	$237,900	$0	4.00
1331.09000	Proc & Install Motor Control Centers	05-Jan-10	06-Aug-10	30.00	$20,408	13.00	$234,041	$254,449	$0	53.20
1331.09005	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($16,549)	($16,549)	$0	4.00
1.3.3.1.10 CHL INSTALLATION & DESIGN		09-Dec-09	30-Sep-13	188.80	$754,595	330.00	$2,131,961	$2,989,622	$103,066	8.60
1331.10000	Proc & Install CHL Piping & Compnts Labor FY10	09-Dec-09	30-Sep-10	40.20	$433,859	192.26	$0	$433,859	$0	28.80
1331.1000a	Proc & Install CHL Piping & Compnts Labor FY11	01-Oct-10	04-May-11	28.80	$320,736	137.74	$0	$320,736	$0	28.80
1331.1000b	Proc & Install CHL Piping & Compnts Procurement	09-Dec-09	04-May-11	69.00	$0	0.00	$465,885	$465,885	$0	28.80
1331.1005	Install CHL Cold Box Transfer Line to Linac Labor	07-Jan-13	26-Apr-13	15.60	$0	0.00	$0	$100,000	$100,000	30.20



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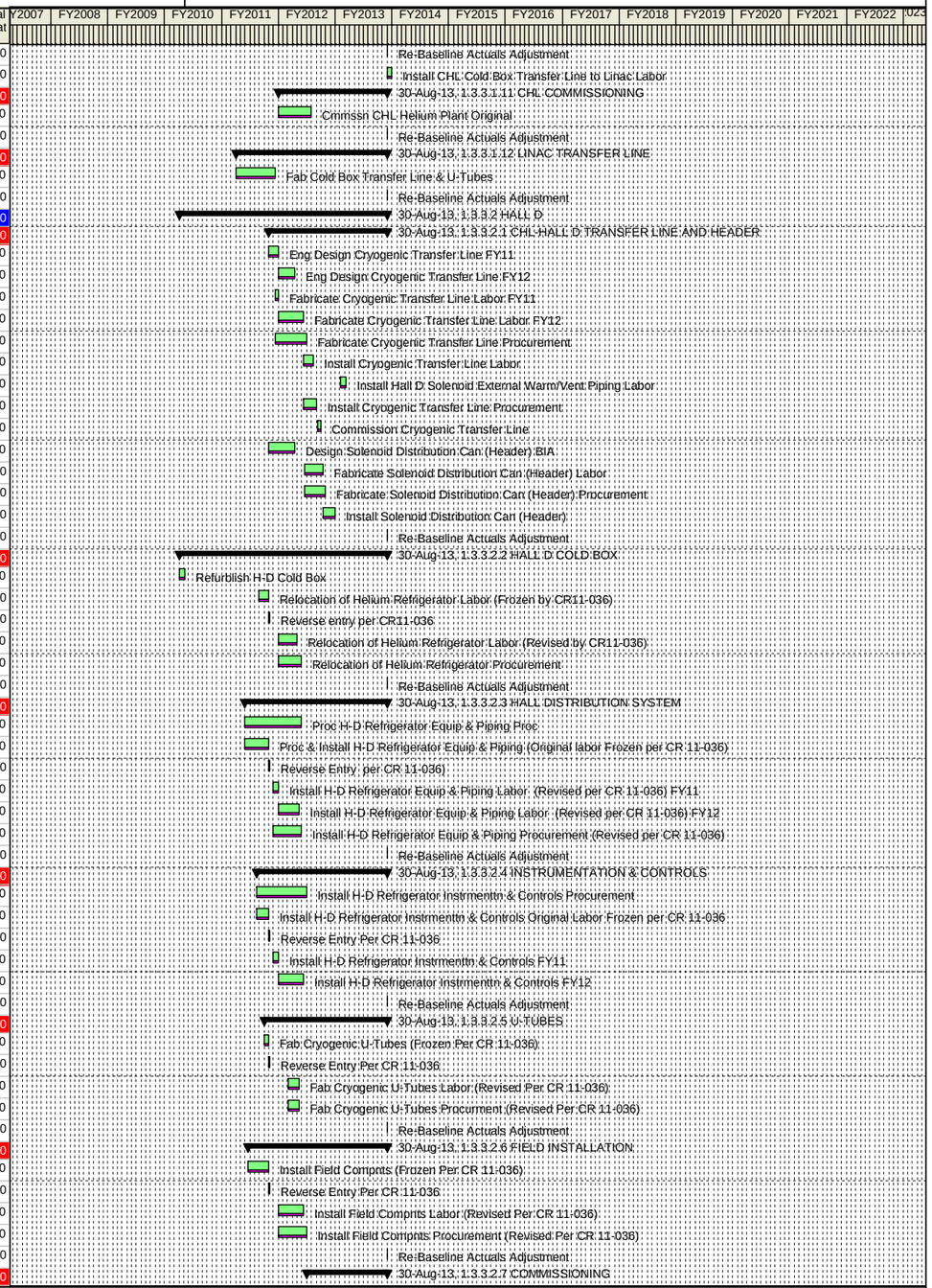
Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
1331.1010	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$1,664,342	$1,664,342	$0	4.00
2331.1005	Install CHL Cold Box Transfer Line to Linac Labor	03-Sep-13	30-Sep-13	4.00	$0	0.00	$1,734	$4,800	$3,066	8.60
1.3.3.1.11 CHL COMMISSIONING		03-Oct-11	30-Aug-13	95.00	$238,513	101.52	($72,267)	$166,246	$0	4.00
1331.11000	Cmmssn CHL Helium Plant Original	03-Oct-11	30-Apr-12	28.20	$238,513	101.52	$0	$238,513	$0	29.20
1331.11005	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($72,267)	($72,267)	$0	4.00
1.3.3.1.12 LINAC TRANSFER LINE		05-Jan-11	30-Aug-13	132.60	$79,891	44.00	$657,503	$761,408	$24,015	4.00
1331.12000	Fab Cold Box Transfer Line & U-Tubes	05-Jan-11	13-Sep-11	35.00	$79,891	44.00	$412,717	$516,622	$24,015	10.60
1331.12005	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$244,786	$244,786	$0	4.00
1.3.3.2 HALL D		05-Jan-10	30-Aug-13	182.20	$1,258,633	582.00	$880,506	$2,530,541	$391,402	4.00
1.3.3.2.1 CHL-HALL D TRANSFER LINE AND HEADER		01-Aug-11	30-Aug-13	103.80	$744,487	324.00	$64,385	$1,118,598	$309,727	4.00
13321015	Eng Design Cryogenic Transfer Line FY11	01-Aug-11	30-Sep-11	8.80	$46,926	19.82	$0	$65,953	$19,027	18.00
13321020	Eng Design Cryogenic Transfer Line FY12	03-Oct-11	13-Jan-12	13.40	$73,735	30.18	$0	$103,632	$29,897	18.00
13321025	Fabricate Cryogenic Transfer Line Labor FY11	12-Sep-11	30-Sep-11	3.00	$15,781	8.41	$0	$17,732	$1,951	18.00
13321030	Fabricate Cryogenic Transfer Line Labor FY12	03-Oct-11	14-Mar-12	21.60	$117,234	60.59	$0	$131,731	$14,497	18.00
13321035	Fabricate Cryogenic Transfer Line Procurement	12-Sep-11	30-Mar-12	27.00	$0	0.00	$109,000	$109,000	$0	18.00
13321040	Install Cryogenic Transfer Line Labor	15-Mar-12	16-May-12	9.00	$99,843	45.00	$0	$127,704	$27,861	20.80
13321042	Install Hall D Solenoid External Warm/Vent Piping Labor	08-Nov-12	07-Dec-12	4.00	$103,031	45.00	$0	$130,892	$27,861	18.00
13321045	Install Cryogenic Transfer Line Procurement	15-Mar-12	31-May-12	11.00	$0	0.00	$27,861	$27,861	$0	18.00
13321050	Commission Cryogenic Transfer Line	08-Jun-12	03-Jul-12	3.60	$39,139	18.00	$0	$43,267	$4,128	18.00
13321055	Design Solenoid Distribution Can (Header) BIA	01-Aug-11	13-Jan-12	22.20	$0	0.00	$0	$0	$0	10.00
13321060	Fabricate Solenoid Distribution Can (Header) Labor	16-Mar-12	13-Jul-12	16.80	$165,725	66.00	$0	$350,229	$184,504	1.60
13321065	Fabricate Solenoid Distribution Can (Header) Procurement	16-Mar-12	31-Jul-12	19.20	$0	0.00	$175,423	$175,423	$0	1.60
13321070	Install Solenoid Distribution Can (Header)	16-Jul-12	28-Sep-12	10.80	$83,074	31.00	$0	$83,074	$0	1.60
13321075	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($247,900)	($247,900)	$0	4.00
1.3.3.2.2 HALL D COLD BOX		05-Jan-10	30-Aug-13	182.20	$140,010	62.00	$10,659	$185,343	$34,674	4.00
13322000	Refurblish H-D Cold Box	05-Jan-10	09-Feb-10	5.00	$14,980	9.00	$43,039	$65,008	$6,988	89.60
13322005	Relocation of Helium Refrigerator Labor (Frozen by CR11-036)	02-Jun-11	29-Jul-11	8.20	$110,398	48.29	$0	$134,843	$24,445	8.80
13322006	Reverse entry per CR11-036	01-Aug-11	05-Aug-11	1.00	($110,398)	-48.29	$0	($134,843)	($24,445)	7.80
13322007	Relocation of Helium Refrigerator Labor (Revised by CR11-036)	03-Oct-11	01-Feb-12	15.80	$125,030	53.00	$0	$152,716	$27,685	31.60
13322010	Relocation of Helium Refrigerator Procurement	03-Oct-11	29-Feb-12	19.60	$0	0.00	$153,334	$153,334	$0	31.60
13322015	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($185,715)	($185,715)	$0	4.00
1.3.3.2.3 HALL DISTRIBUTION SYSTEM		01-Mar-11	30-Aug-13	125.20	$106,117	56.00	$151,302	$262,338	$4,919	4.00
13323000	Proc H-D Refrigerator Equip & Piping Proc	01-Mar-11	29-Feb-12	49.80	$0	0.00	$300,049	$300,049	$0	41.80
13323005	Proc & Install H-D Refrigerator Equip & Piping (Original labor Frozen per CR 11-036)	01-Mar-11	29-Jul-11	21.40	$85,164	46.09	$0	$89,112	$3,948	37.60
13323010	Reverse Entry per CR 11-036)	01-Aug-11	05-Aug-11	1.00	($85,164)	-46.09	$0	($89,112)	($3,948)	7.80
13323015	Install H-D Refrigerator Equip & Piping Labor (Revised per CR 11-036) FY11	01-Sep-11	30-Sep-11	4.20	$20,307	10.99	$0	$21,248	$941	28.40
13323015a	Install H-D Refrigerator Equip & Piping Labor (Revised per CR 11-036) FY12	03-Oct-11	10-Feb-12	17.20	$85,810	45.01	$0	$89,788	$3,978	28.40
13323020	Install H-D Refrigerator Equip & Piping Procurement (Revised per CR 11-036)	01-Sep-11	29-Feb-12	23.80	$0	0.00	$52,694	$52,694	$0	28.40
13323025	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($201,442)	($201,442)	$0	4.00
1.3.3.2.4 INSTRUMENTATION & CONTROLS		17-May-11	30-Aug-13	114.20	$38,276	20.00	$414,982	$458,182	$4,923	4.00
13324000	Install H-D Refrigerator Instrmenttn & Controls Procurement	17-May-11	30-Mar-12	43.20	$0	0.00	$137,074	$137,074	$0	28.40
13324005	Install H-D Refrigerator Instrmenttn & Controls Original Labor Frozen per CR 11-036	17-May-11	29-Jul-11	10.40	$20,411	10.95	$0	$23,036	$2,625	61.20
13324010	Reverse Entry Per CR 11-036	01-Aug-11	05-Aug-11	1.00	($20,411)	-10.95	$0	($23,036)	($2,625)	7.80
13324015	Install H-D Refrigerator Instrmenttn & Controls FY11	01-Sep-11	30-Sep-11	4.20	$6,265	3.36	$0	$7,070	$806	31.60
13324015a	Install H-D Refrigerator Instrmenttn & Controls FY12	03-Oct-11	08-Mar-12	20.80	$32,012	16.64	$0	$36,129	$4,118	31.60
13324020	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$277,908	$277,908	$0	4.00
1.3.3.2.5 U-TUBES		07-Jul-11	30-Aug-13	107.20	$26,664	15.00	$317	$29,461	$2,480	4.00
13325000	Fab Cryogenic U-Tubes (Frozen Per CR 11-036)	07-Jul-11	29-Jul-11	3.40	$10,983	6.38	$0	$12,004	$1,022	33.00
13325005	Reverse Entry Per CR 11-036	01-Aug-11	05-Aug-11	1.00	($10,983)	-6.38	$0	($12,004)	($1,022)	7.80
13325010	Fab Cryogenic U-Tubes Labor (Revised Per CR 11-036)	08-Dec-11	10-Feb-12	8.00	$26,664	15.00	$0	$29,144	$2,480	28.40
13325015	Fab Cryogenic U-Tubes Procurment (Revised Per CR 11-036)	08-Dec-11	10-Feb-12	8.00	$0	0.00	$26,021	$26,021	$0	28.40
13325020	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($25,704)	($25,704)	$0	4.00
1.3.3.2.6 FIELD INSTALLATION		22-Mar-11	30-Aug-13	122.20	$168,657	91.00	$257,385	$454,531	$28,490	4.00
13326000	Install Field Compnts (Frozen Per CR 11-036)	22-Mar-11	29-Jul-11	18.40	$125,317	69.77	$0	$146,484	$21,167	28.40
13326005	Reverse Entry Per CR 11-036	01-Aug-11	05-Aug-11	1.00	($125,317)	-69.77	$0	($146,484)	($21,167)	7.80
13326010	Install Field Compnts Labor (Revised Per CR 11-036)	03-Oct-11	08-Mar-12	20.80	$168,657	91.00	$0	$197,146	$28,490	31.60
13326015	Install Field Compnts Procurement (Revised Per CR 11-036)	03-Oct-11	30-Mar-12	24.00	$0	0.00	$40,880	$40,880	$0	31.60
13326020	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$216,505	$216,505	$0	4.00
1.3.3.2.7 COMMISSIONING		02-Apr-12	30-Aug-13	71.00	$34,421	14.00	($18,522)	$22,088	$6,189	4.00



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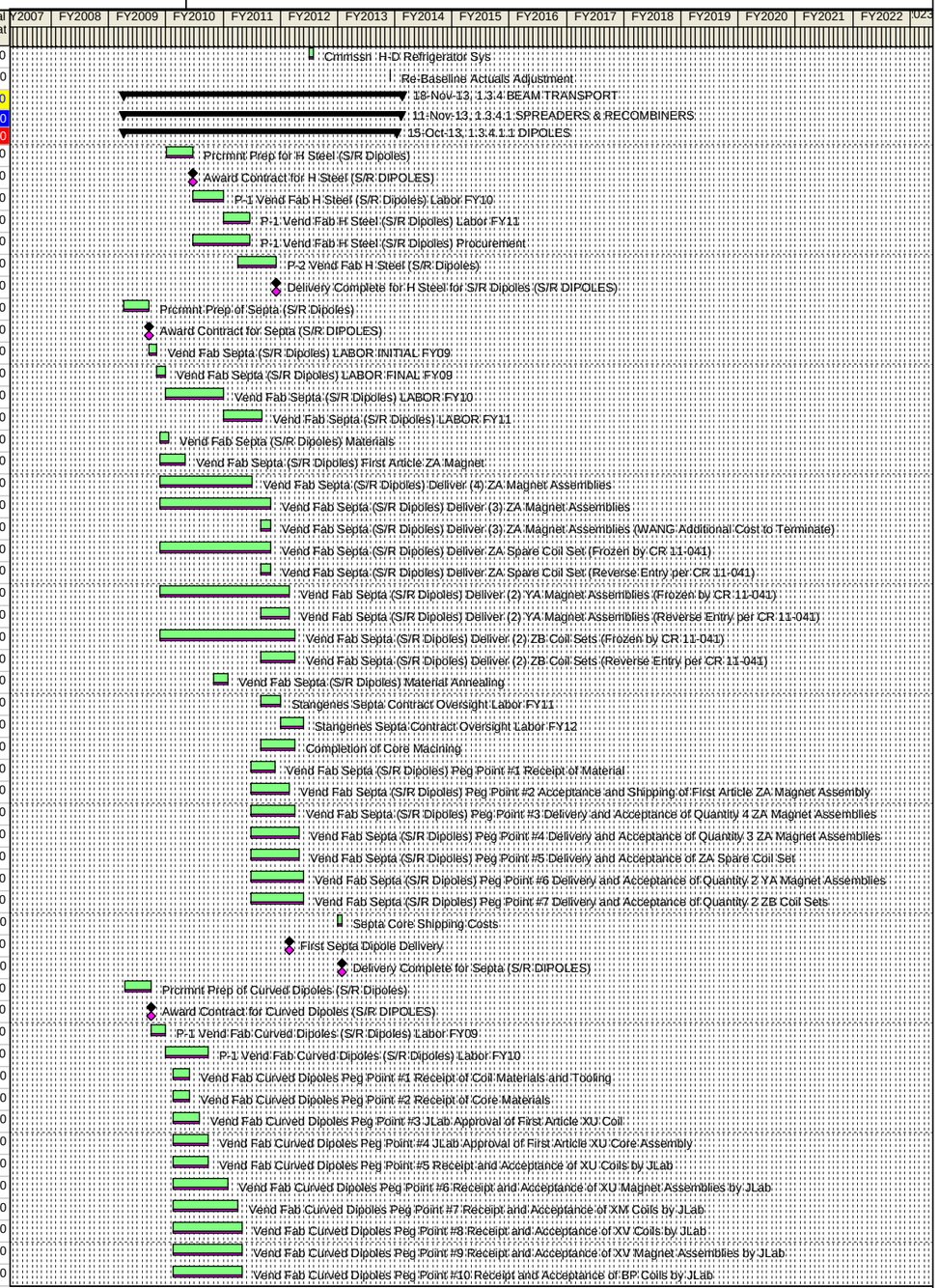
Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
13327000	Cmmssn H-D Refrigerator Sys	02-Apr-12	02-May-12	4.60	$34,421	14.00	$40,880	$81,490	$6,189	28.40
13327005	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($59,402)	($59,402)	$0	4.00
1.3.4 BEAM TRANSPORT		02-Jan-09	18-Nov-13	243.00	$8,082,774	3822.79	$14,421,293	$23,005,561	$501,493	103.60
1.3.4.1 SPREADERS & RECOMBINERS		02-Jan-09	11-Nov-13	242.00	$3,176,570	1435.30	$7,234,306	$10,729,696	$318,820	0.80
1.3.4.1.1 DIPOLES		02-Jan-09	15-Oct-13	238.20	$932,709	375.66	$3,916,635	$4,901,732	$52,388	1.20
13411055	Prcrmnt Prep for H Steel (S/R Dipoles)	05-Oct-09	19-Mar-10	22.00	$7,982	3.50	$0	$7,982	$0	33.80
13411060M	Award Contract for H Steel (S/R DIPOLES)	22-Mar-10		0.00	$0	0.00	$0	$0	$0	33.80
13411065	P-1 Vend Fab H Steel (S/R Dipoles) Labor FY10	22-Mar-10	30-Sep-10	27.20	$1,715	0.82	$0	$1,715	$0	33.80
13411065a	P-1 Vend Fab H Steel (S/R Dipoles) Labor FY11	01-Oct-10	21-Mar-11	22.40	$1,457	0.68	$0	$1,457	$0	33.80
13411065b	P-1 Vend Fab H Steel (S/R Dipoles) Procurement	22-Mar-10	21-Mar-11	49.60	$0	0.00	$56,435	$56,435	$0	33.80
13411066	P-2 Vend Fab H Steel (S/R Dipoles)	04-Jan-11	02-Sep-11	34.00	$1,359	0.50	$65,927	$67,286	$0	33.80
13411070M	Delivery Complete for H Steel for S/R Dipoles (S/R DIPOLES)		02-Sep-11	0.00	$0	0.00	$0	$0	$0	33.80
13411075	Prcrmnt Prep of Septa (S/R Dipoles)	02-Jan-09	11-Jun-09	22.40	$12,840	5.50	$0	$12,840	$0	72.40
13411080M	Award Contract for Septa (S/R DIPOLES)	12-Jun-09		0.00	$0	0.00	$0	$0	$0	72.40
13411085	Vend Fab Septa (S/R Dipoles) LABOR INITIAL FY09	12-Jun-09	31-Jul-09	7.00	$2,295	0.99	$0	$2,295	$0	72.40
13411086	Vend Fab Septa (S/R Dipoles) LABOR FINAL FY09	03-Aug-09	30-Sep-09	8.40	$5,305	2.26	$0	$5,305	$0	72.40
13411086AL(	Vend Fab Septa (S/R Dipoles) LABOR FY10	01-Oct-09	30-Sep-10	49.60	$32,290	13.32	$0	$32,290	$0	72.40
13411086BL(	Vend Fab Septa (S/R Dipoles) LABOR FY11	01-Oct-10	03-Jun-11	33.00	$22,553	9.03	$0	$22,553	$0	72.40
13411087	Vend Fab Septa (S/R Dipoles) Materials	26-Aug-09	15-Oct-09	7.20	$0	0.00	$202,000	$202,000	$0	152.80
13411087A	Vend Fab Septa (S/R Dipoles) First Article ZA Magnet	26-Aug-09	02-Feb-10	21.00	$0	0.00	$39,900	$39,900	$0	93.60
13411087B	Vend Fab Septa (S/R Dipoles) Deliver (4) ZA Magnet Assemblies	26-Aug-09	31-Mar-11	78.60	$0	0.00	$159,600	$159,600	$0	81.40
13411087C	Vend Fab Septa (S/R Dipoles) Deliver (3) ZA Magnet Assemblies	26-Aug-09	29-Jul-11	95.40	$0	0.00	$150,000	$150,000	$0	64.60
13411087C5	Vend Fab Septa (S/R Dipoles) Deliver (3) ZA Magnet Assemblies (WANG Additional Co...	01-Jun-11	29-Jul-11	8.40	$0	0.00	($127,534)	($127,534)	$0	64.60
13411087D	Vend Fab Septa (S/R Dipoles) Deliver ZA Spare Coil Set (Frozen by CR 11-041)	26-Aug-09	29-Jul-11	95.40	$0	0.00	$23,800	$23,800	$0	64.60
13411087D05	Vend Fab Septa (S/R Dipoles) Deliver ZA Spare Coil Set (Reverse Entry per CR 11-041)	01-Jun-11	29-Jul-11	8.40	$0	0.00	($23,800)	($23,800)	$0	64.60
13411087D10	Vend Fab Septa (S/R Dipoles) Deliver (2) YA Magnet Assemblies (Frozen by CR 11-041)	26-Aug-09	30-Nov-11	112.40	$0	0.00	$68,850	$68,850	$0	47.60
13411087D15	Vend Fab Septa (S/R Dipoles) Deliver (2) YA Magnet Assemblies (Reverse Entry per C...	01-Jun-11	30-Nov-11	25.40	$0	0.00	($68,850)	($68,850)	$0	47.60
13411087D5	Vend Fab Septa (S/R Dipoles) Deliver (2) ZB Coil Sets (Frozen by CR 11-041)	26-Aug-09	30-Dec-11	115.80	$0	0.00	$51,000	$51,000	$0	44.20
13411087D7	Vend Fab Septa (S/R Dipoles) Deliver (2) ZB Coil Sets (Reverse Entry per CR 11-041)	01-Jun-11	30-Dec-11	28.80	$0	0.00	($51,000)	($51,000)	$0	44.20
13411087F	Vend Fab Septa (S/R Dipoles) Material Annealing	30-Jul-10	29-Oct-10	13.00	$0	0.00	$75,000	$75,000	$0	101.20
13411087F5	Stangenes Septa Contract Oversight Labor FY11	01-Jun-11	30-Sep-11	17.20	$30,845	11.35	$0	$30,845	$0	36.20
13411087F5a	Stangenes Septa Contract Oversight Labor FY12	03-Oct-11	29-Feb-12	19.60	$36,271	12.93	$0	$36,271	$0	36.20
13411087F7	Completion of Core Macining	01-Jun-11	30-Dec-11	28.80	$0	0.00	$100,255	$100,255	$0	44.20
13411087G	Vend Fab Septa (S/R Dipoles) Peg Point #1 Receipt of Material	29-Mar-11	31-Aug-11	22.00	$0	0.00	$74,750	$74,750	$0	36.20
13411087H	Vend Fab Septa (S/R Dipoles) Peg Point #2 Acceptance and Shipping of First Article ZA...	29-Mar-11	30-Nov-11	34.40	$0	0.00	$55,250	$55,250	$0	36.20
13411087J	Vend Fab Septa (S/R Dipoles) Peg Point #3 Delivery and Acceptance of Quantity 4 ZA ...	29-Mar-11	29-Dec-11	37.60	$0	0.00	$170,000	$170,000	$0	36.20
13411087K	Vend Fab Septa (S/R Dipoles) Peg Point #4 Delivery and Acceptance of Quantity 3 ZA ...	29-Mar-11	31-Jan-12	41.80	$0	0.00	$127,500	$127,500	$0	36.20
13411087N	Vend Fab Septa (S/R Dipoles) Peg Point #5 Delivery and Acceptance of ZA Spare Coil Set	29-Mar-11	31-Jan-12	41.80	$0	0.00	$21,500	$21,500	$0	36.20
13411087P	Vend Fab Septa (S/R Dipoles) Peg Point #6 Delivery and Acceptance of Quantity 2 YA ...	29-Mar-11	29-Feb-12	45.80	$0	0.00	$79,000	$79,000	$0	36.20
13411087Q	Vend Fab Septa (S/R Dipoles) Peg Point #7 Delivery and Acceptance of Quantity 2 ZB ...	29-Mar-11	29-Feb-12	45.80	$0	0.00	$69,000	$69,000	$0	36.20
13411088	Septa Core Shipping Costs	01-Oct-12	26-Oct-12	4.00	$0	0.00	$12,000	$12,000	$0	2.40
13411088M	First Septa Dipole Delivery		30-Nov-11	0.00	$0	0.00	$0	$0	$0	47.60
13411090M	Delivery Complete for Septa (S/R DIPOLES)		26-Oct-12	0.00	$0	0.00	$0	$0	$0	2.40
13411095	Prcrmnt Prep of Curved Dipoles (S/R Dipoles)	12-Jan-09	26-Jun-09	23.40	$5,247	2.40	$0	$5,247	$0	22.20
13411100M	Award Contract for Curved Dipoles (S/R DIPOLES)	29-Jun-09		0.00	$0	0.00	$0	$0	$0	22.20
13411105	P-1 Vend Fab Curved Dipoles (S/R Dipoles) Labor FY09	29-Jun-09	30-Sep-09	13.20	$2,394	1.04	$0	$2,394	$0	22.20
13411105b	P-1 Vend Fab Curved Dipoles (S/R Dipoles) Labor FY10	01-Oct-09	28-Jun-10	36.40	$6,813	2.86	$0	$6,813	$0	22.20
13411105c	Vend Fab Curved Dipoles Peg Point #1 Receipt of Coil Materials and Tooling	18-Nov-09	26-Feb-10	12.60	$0	0.00	$234,293	$234,293	$0	9.20
13411105d	Vend Fab Curved Dipoles Peg Point #2 Receipt of Core Materials	18-Nov-09	26-Feb-10	12.60	$0	0.00	$263,858	$263,858	$0	9.20
13411105f	Vend Fab Curved Dipoles Peg Point #3 JLab Approval of First Article XU Coil	18-Nov-09	30-Apr-10	21.60	$0	0.00	$20,800	$20,800	$0	9.20
13411105g	Vend Fab Curved Dipoles Peg Point #4 JLab Approval of First Article XU Core Assembly	18-Nov-09	30-Jun-10	30.00	$0	0.00	$13,979	$13,979	$0	9.20
13411105h	Vend Fab Curved Dipoles Peg Point #5 Receipt and Acceptance of XU Coils by JLab	18-Nov-09	30-Jun-10	30.00	$0	0.00	$62,400	$62,400	$0	9.20
13411105j	Vend Fab Curved Dipoles Peg Point #6 Receipt and Acceptance of XU Magnet Assembl...	18-Nov-09	29-Oct-10	47.00	$0	0.00	$27,957	$27,957	$0	9.20
13411105k	Vend Fab Curved Dipoles Peg Point #7 Receipt and Acceptance of XM Coils by JLab	18-Nov-09	30-Dec-10	54.40	$0	0.00	$47,000	$47,000	$0	9.20
13411105n	Vend Fab Curved Dipoles Peg Point #8 Receipt and Acceptance of XV Coils by JLab	18-Nov-09	31-Jan-11	58.40	$0	0.00	$64,427	$64,427	$0	9.20
13411105o	Vend Fab Curved Dipoles Peg Point #9 Receipt and Acceptance of XV Magnet Assembl...	18-Nov-09	31-Jan-11	58.40	$0	0.00	$44,116	$44,116	$0	9.20
13411105p	Vend Fab Curved Dipoles Peg Point #10 Receipt and Acceptance of BP Coils by JLab	18-Nov-09	31-Jan-11	58.40	$0	0.00	$69,627	$69,627	$0	9.20



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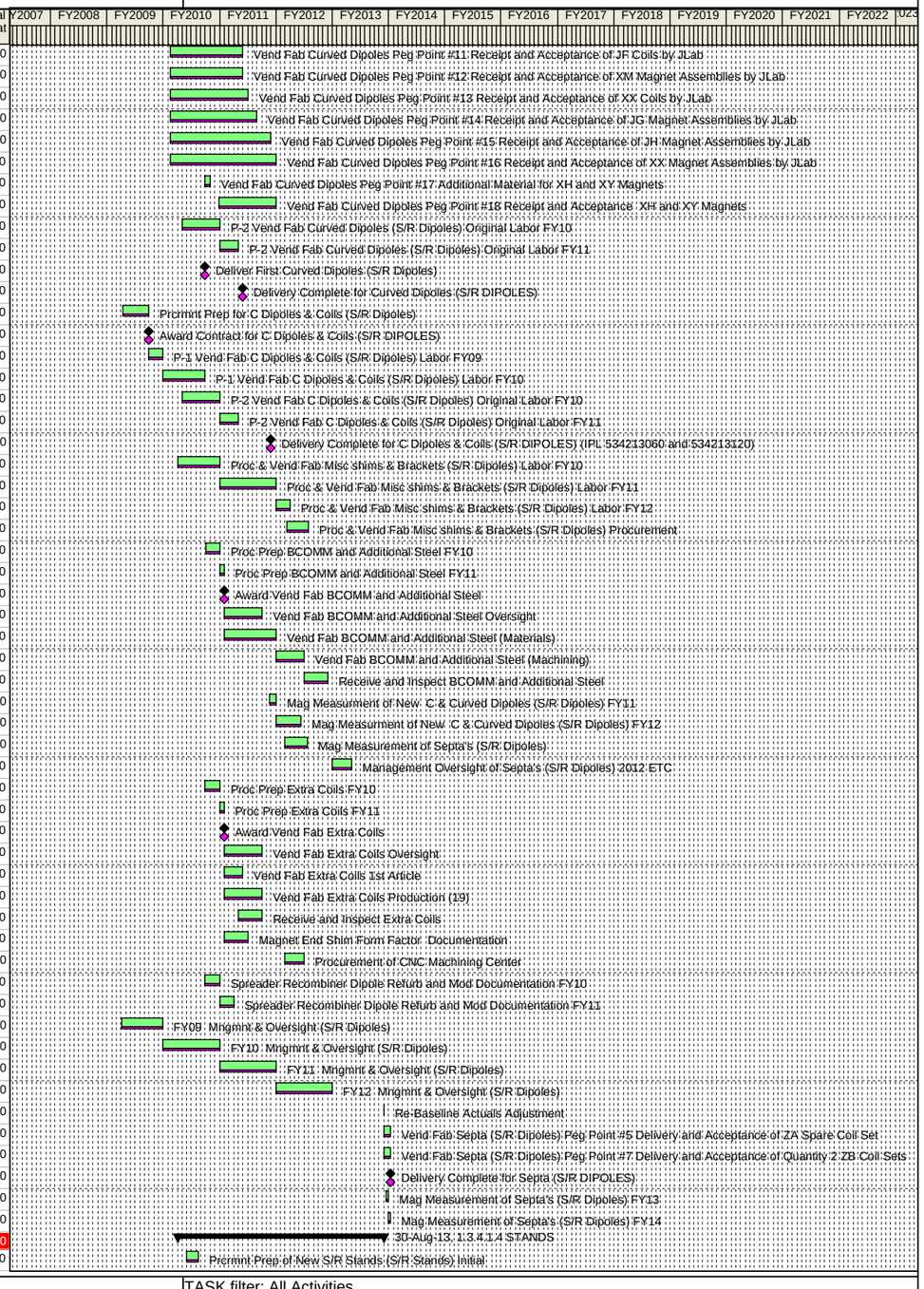
Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
13411105q	Vend Fab Curved Dipoles Peg Point #11 Receipt and Acceptance of JF Coils by JLab	18-Nov-09	28-Feb-11	62.20	$0	0.00	$9,600	$9,600	$0	9.20
13411105r	Vend Fab Curved Dipoles Peg Point #12 Receipt and Acceptance of XM Magnet Assem...	18-Nov-09	28-Feb-11	62.20	$0	0.00	$28,344	$28,344	$0	9.20
13411105s	Vend Fab Curved Dipoles Peg Point #13 Receipt and Acceptance of XX Coils by JLab	18-Nov-09	31-Mar-11	66.80	$0	0.00	$62,667	$62,667	$0	9.20
13411105t	Vend Fab Curved Dipoles Peg Point #14 Receipt and Acceptance of JG Magnet Assem...	18-Nov-09	31-May-11	75.20	$0	0.00	$42,368	$42,368	$0	9.20
13411105u	Vend Fab Curved Dipoles Peg Point #15 Receipt and Acceptance of JH Magnet Assem...	18-Nov-09	31-Aug-11	88.20	$0	0.00	$31,776	$31,776	$0	9.20
13411105v	Vend Fab Curved Dipoles Peg Point #16 Receipt and Acceptance of XX Magnet Assem...	18-Nov-09	30-Sep-11	92.40	$0	0.00	$31,636	$31,636	$0	19.80
13411105w	Vend Fab Curved Dipoles Peg Point #17 Additional Material for XH and XY Magnets	01-Jul-10	30-Jul-10	4.20	$0	0.00	$43,316	$43,316	$0	19.80
13411105x	Vend Fab Curved Dipoles Peg Point #18 Receipt and Acceptance XH and XY Magnets	28-Sep-10	30-Sep-11	50.20	$0	0.00	$92,000	$92,000	$0	19.80
13411106	P-2 Vend Fab Curved Dipoles (S/R Dipoles) Original Labor FY10	29-Jan-10	30-Sep-10	34.20	$5,788	2.41	$0	$5,788	$0	22.20
13411106a	P-2 Vend Fab Curved Dipoles (S/R Dipoles) Original Labor FY11	01-Oct-10	28-Jan-11	15.40	$2,690	1.09	$0	$2,690	$0	22.20
13411108M	Deliver First Curved Dipoles (S/R Dipoles)		30-Jun-10	0.00	$0	0.00	$0	$0	$0	50.40
13411110M	Delivery Complete for Curved Dipoles (S/R DIPOLES)		28-Feb-11	0.00	$0	0.00	$0	$0	$0	18.20
13411115	Prcrmnt Prep for C Dipoles & Coils (S/R Dipoles)	12-Jan-09	26-Jun-09	23.40	$8,261	3.80	$0	$8,261	$0	39.20
13411120M	Award Contract for C Dipoles & Coils (S/R DIPOLES)	29-Jun-09		0.00	$0	0.00	$0	$0	$0	39.20
13411125	P-1 Vend Fab C Dipoles & Coils (S/R Dipoles) Labor FY09	29-Jun-09	30-Sep-09	13.20	$4,559	1.97	$0	$4,559	$0	39.20
13411125b	P-1 Vend Fab C Dipoles & Coils (S/R Dipoles) Labor FY10	01-Oct-09	28-Jun-10	36.40	$12,974	5.43	$0	$12,974	$0	39.20
13411126	P-2 Vend Fab C Dipoles & Coils (S/R Dipoles) Original Labor FY10	29-Jan-10	30-Sep-10	34.20	$11,576	4.83	$0	$11,576	$0	39.20
13411126a	P-2 Vend Fab C Dipoles & Coils (S/R Dipoles) Original Labor FY11	01-Oct-10	28-Jan-11	15.40	$5,379	2.17	$0	$5,379	$0	39.20
13411130M	Delivery Complete for C Dipoles & Coils (S/R DIPOLES) (IPL 534213060 and 534213120)		31-Aug-11	0.00	$0	0.00	$0	$0	$0	9.20
13411135	Proc & Vend Fab Misc shims & Brackets (S/R Dipoles) Labor FY10	05-Jan-10	30-Sep-10	37.60	$2,326	1.14	$0	$2,326	$0	79.80
13411135a	Proc & Vend Fab Misc shims & Brackets (S/R Dipoles) Labor FY11	01-Oct-10	30-Sep-11	49.60	$3,167	1.51	$0	$3,167	$0	79.80
13411135ab	Proc & Vend Fab Misc shims & Brackets (S/R Dipoles) Labor FY12	03-Oct-11	30-Dec-11	11.60	$765	0.35	$0	$765	$0	79.80
13411135b	Proc & Vend Fab Misc shims & Brackets (S/R Dipoles) Procurement	14-Dec-11	30-Apr-12	18.20	$0	0.00	$20,877	$20,877	$0	63.20
13411136	Proc Prep BCOMM and Additional Steel FY10	02-Jul-10	30-Sep-10	12.60	$45,497	20.75	$0	$45,497	$0	57.00
13411136a	Proc Prep BCOMM and Additional Steel FY11	01-Oct-10	01-Nov-10	4.40	$16,395	7.25	$0	$16,395	$0	57.00
13411136M	Award Vend Fab BCOMM and Additional Steel	02-Nov-10		0.00	$0	0.00	$0	$0	$0	57.00
13411137	Vend Fab BCOMM and Additional Steel Oversight	02-Nov-10	01-Jul-11	32.60	$13,590	5.00	$0	$13,590	$0	104.00
13411138	Vend Fab BCOMM and Additional Steel (Materials)	02-Nov-10	30-Sep-11	45.20	$0	0.00	$95,000	$95,000	$0	57.00
13411138a	Vend Fab BCOMM and Additional Steel (Machining)	03-Oct-11	30-Mar-12	24.00	$0	0.00	$168,174	$168,174	$0	57.00
13411139	Receive and Inspect BCOMM and Additional Steel	02-Apr-12	30-Aug-12	21.40	$17,970	8.00	$0	$17,970	$0	57.00
13411140	Mag Measurment of New C & Curved Dipoles (S/R Dipoles) FY11	25-Aug-11	30-Sep-11	5.20	$7,458	3.52	$0	$7,458	$0	9.20
13411140a	Mag Measurment of New C & Curved Dipoles (S/R Dipoles) FY12	03-Oct-11	08-Mar-12	20.80	$30,781	14.08	$0	$30,781	$0	9.20
13411145	Mag Measurement of Septa's (S/R Dipoles)	30-Nov-11	25-Apr-12	19.60	$41,676	19.40	$0	$41,676	$0	2.40
13411150LOE	Management Oversight of Septa's (S/R Dipoles) 2012 ETC	01-Oct-12	31-Jan-13	16.00	$49,986	17.27	$0	$49,986	$0	31.40
13411160	Proc Prep Extra Coils FY10	01-Jul-10	30-Sep-10	12.80	$4,648	2.23	$0	$4,648	$0	104.00
13411165	Proc Prep Extra Coils FY11	01-Oct-10	01-Nov-10	4.40	$1,657	0.77	$0	$1,657	$0	104.00
13411170M	Award Vend Fab Extra Coils	02-Nov-10		0.00	$0	0.00	$0	$0	$0	104.00
13411175	Vend Fab Extra Coils Oversight	02-Nov-10	01-Jul-11	32.60	$39,919	15.00	$0	$39,919	$0	104.00
13411180	Vend Fab Extra Coils 1st Article	02-Nov-10	01-Mar-11	15.20	$0	0.00	$0	$0	$0	104.00
13411185	Vend Fab Extra Coils Production (19)	02-Nov-10	01-Jul-11	32.60	$0	0.00	$46,436	$46,436	$0	104.00
13411190	Receive and Inspect Extra Coils	01-Feb-11	01-Jul-11	21.40	$19,312	9.00	$0	$19,312	$0	104.00
13411195	Magnet End Shim Form Factor Documentation	03-Nov-10	31-Mar-11	19.40	$51,759	26.00	$0	$51,759	$0	117.00
13411196	Procurement of CNC Machining Center	01-Dec-11	30-Mar-12	15.80	$0	0.00	$155,000	$155,000	$0	6.00
13411200	Spreader Recombiner Dipole Refurb and Mod Documentation FY10	01-Jul-10	30-Sep-10	12.80	$103,157	49.84	$0	$103,157	$0	68.00
13411200a	Spreader Recombiner Dipole Refurb and Mod Documentation FY11	01-Oct-10	30-Dec-10	11.60	$96,465	45.16	$0	$96,465	$0	68.00
13411909LOE	FY09 Mngmnt & Oversight (S/R Dipoles)	02-Jan-09	30-Sep-09	37.80	$40,754	9.91	$0	$62,981	$22,227	4.00
13411910LOE	FY10 Mngmnt & Oversight (S/R Dipoles)	01-Oct-09	30-Sep-10	49.60	$55,182	13.00	$0	$85,344	$30,162	4.00
13411911LOE	FY11 Mngmnt & Oversight (S/R Dipoles)	01-Oct-10	30-Sep-11	49.60	$30,663	7.00	$0	$30,663	$0	4.00
13411912LOE	FY12 Mngmnt & Oversight (S/R Dipoles)	03-Oct-11	28-Sep-12	49.40	$31,640	7.00	$0	$31,640	$0	4.00
13411950	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$854,402	$854,402	$0	4.00
23411087N	Vend Fab Septa (S/R Dipoles) Peg Point #5 Delivery and Acceptance of ZA Spare Coil Set	03-Sep-13	15-Oct-13	6.20	$0	0.00	$21,500	$21,500	$0	0.60
23411087Q	Vend Fab Septa (S/R Dipoles) Peg Point #7 Delivery and Acceptance of Quantity 2 ZB ...	03-Sep-13	15-Oct-13	6.20	$0	0.00	$34,500	$34,500	$0	0.60
23411090M	Delivery Complete for Septa (S/R DIPOLES)		15-Oct-13	0.00	$0	0.00	$0	$0	$0	0.60
23411145	Mag Measurement of Septa's (S/R Dipoles) FY13	18-Sep-13	30-Sep-13	1.80	$3,308	1.62	$0	$3,308	$0	0.60
23411145a	Mag Measurement of Septa's (S/R Dipoles) FY14	01-Oct-13	15-Oct-13	2.20	$4,043	1.98	$0	$4,043	$0	0.60
1.3.4.1.4 STANDS		05-Jan-10	30-Aug-13	182.20	$470,025	222.44	$1,474,277	$1,944,302	$0	4.00
13414015	Prcrmnt Prep of New S/R Stands (S/R Stands) Initial	01-Mar-10	14-May-10	11.00	$250,128	120.00	$0	$250,128	$0	59.60



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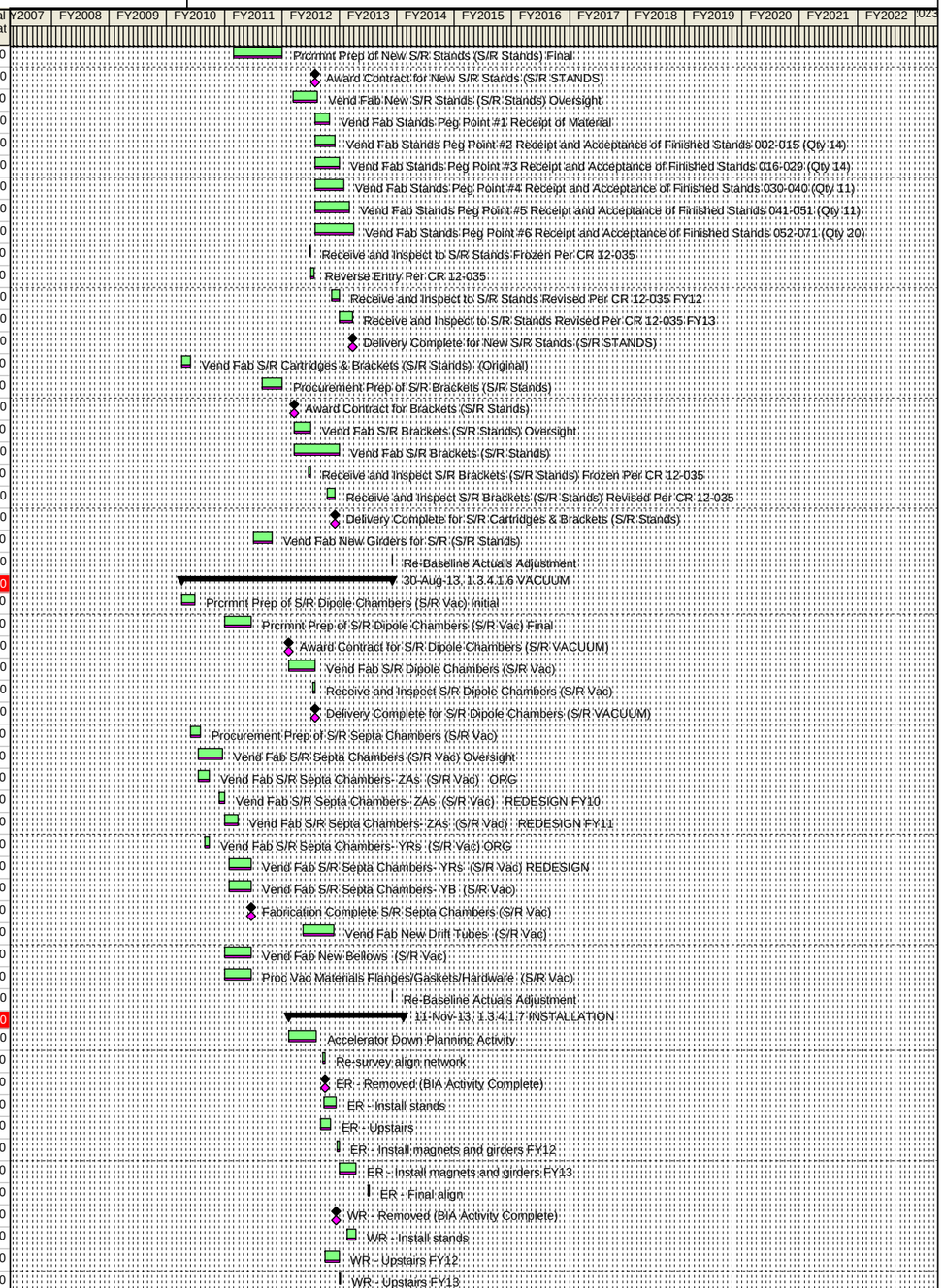
Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
13414017	Prcrmnt Prep of New S/R Stands (S/R Stands) Final	01-Dec-10	30-Sep-11	41.40	$129,048	60.00	$0	$129,048	$0	32.20
13414020M	Award Contract for New S/R Stands (S/R STANDS)	01-May-12		0.00	$0	0.00	$0	$0	$0	4.00
13414022LOE	Vend Fab New S/R Stands (S/R Stands) Oversight	14-Dec-11	14-May-12	20.20	$12,268	5.00	$0	$12,268	$0	34.80
13414025A	Vend Fab Stands Peg Point #1 Receipt of Material	01-May-12	31-Jul-12	12.80	$0	0.00	$269,669	$269,669	$0	4.00
13414025B	Vend Fab Stands Peg Point #2 Receipt and Acceptance of Finished Stands 002-015 (Qt...	01-May-12	31-Aug-12	17.40	$0	0.00	$123,398	$123,398	$0	4.00
13414025C	Vend Fab Stands Peg Point #3 Receipt and Acceptance of Finished Stands 016-029 (Qt...	01-May-12	28-Sep-12	21.20	$0	0.00	$128,458	$128,458	$0	4.00
13414025D	Vend Fab Stands Peg Point #4 Receipt and Acceptance of Finished Stands 030-040 (Qt...	01-May-12	31-Oct-12	25.80	$0	0.00	$100,931	$100,931	$0	4.00
13414025F	Vend Fab Stands Peg Point #5 Receipt and Acceptance of Finished Stands 041-051 (Qt...	01-May-12	30-Nov-12	29.80	$0	0.00	$108,183	$108,183	$0	4.00
13414025G	Vend Fab Stands Peg Point #6 Receipt and Acceptance of Finished Stands 052-071 (Qt...	01-May-12	31-Dec-12	33.00	$0	0.00	$168,259	$168,259	$0	4.00
13414027	Receive and Inspect to S/R Stands Frozen Per CR 12-035	28-Mar-12	30-Mar-12	0.60	$2,547	1.32	$0	$2,547	$0	41.00
13414028	Reverse Entry Per CR 12-035	02-Apr-12	20-Apr-12	3.00	($8,165)	-4.17	$0	($8,165)	$0	22.40
13414029	Receive and Inspect to S/R Stands Revised Per CR 12-035 FY12	16-Aug-12	28-Sep-12	6.20	$10,055	5.22	$0	$10,055	$0	4.00
13414029a	Receive and Inspect to S/R Stands Revised Per CR 12-035 FY13	01-Oct-12	21-Dec-12	11.60	$19,414	9.78	$0	$19,414	$0	4.00
13414030M	Delivery Complete for New S/R Stands (S/R STANDS)		21-Dec-12	0.00	$0	0.00	$0	$0	$0	4.00
13414055	Vend Fab S/R Cartridges & Brackets (S/R Stands) (Original)	05-Jan-10	26-Feb-10	7.40	$1,877	0.94	$0	$1,877	$0	109.80
13414060	Procurement Prep of S/R Brackets (S/R Stands)	27-May-11	30-Sep-11	17.60	$23,777	10.00	$0	$23,777	$0	15.00
13414065M	Award Contract for Brackets (S/R Stands)	21-Dec-11		0.00	$0	0.00	$0	$0	$0	4.00
13414070LOE	Vend Fab S/R Brackets (S/R Stands) Oversight	21-Dec-11	30-Mar-12	13.00	$4,732	2.00	$0	$4,732	$0	25.80
13414075	Vend Fab S/R Brackets (S/R Stands)	21-Dec-11	28-Sep-12	38.40	$0	0.00	$86,250	$86,250	$0	4.00
13414090	Receive and Inspect S/R Brackets (S/R Stands) Frozen Per CR 12-035	20-Mar-12	30-Mar-12	1.80	$5,618	2.85	$0	$5,618	$0	25.80
13414092	Receive and Inspect S/R Brackets (S/R Stands) Revised Per CR 12-035	16-Jul-12	04-Sep-12	7.20	$18,726	9.50	$0	$18,726	$0	4.00
13414095M	Delivery Complete for S/R Cartridges & Brackets (S/R Stands)		04-Sep-12	0.00	$0	0.00	$0	$0	$0	4.00
13414100	Vend Fab New Girders for S/R (S/R Stands)	01-Apr-11	28-Jul-11	16.60	$0	0.00	$26,829	$26,829	$0	100.40
13414105	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$462,300	$462,300	$0	4.00
1.3.4.1.6 VACUUM		05-Jan-10	30-Aug-13	182.20	$120,797	56.30	$432,066	$657,460	$104,597	4.00
13416020	Prcrmnt Prep of S/R Dipole Chambers (S/R Vac) Initial	05-Jan-10	31-Mar-10	12.00	$11,984	4.80	$0	$11,984	$0	83.00
13416025	Prcrmnt Prep of S/R Dipole Chambers (S/R Vac) Final	01-Oct-10	17-Mar-11	22.00	$59,088	28.00	$0	$59,088	$0	35.40
13416025M	Award Contract for S/R Dipole Chambers (S/R VACUUM)	14-Nov-11		0.00	$0	0.00	$0	$0	$0	1.80
13416030	Vend Fab S/R Dipole Chambers (S/R Vac)	14-Nov-11	30-Apr-12	22.20	$0	0.00	$74,537	$74,537	$0	1.80
13416032	Receive and Inspect S/R Dipole Chambers (S/R Vac)	17-Apr-12	30-Apr-12	2.00	$7,762	3.50	$0	$7,762	$0	1.80
13416035M	Delivery Complete for S/R Dipole Chambers (S/R VACUUM)		30-Apr-12	0.00	$0	0.00	$0	$0	$0	1.80
13416040	Procurement Prep of S/R Septa Chambers (S/R Vac)	01-Mar-10	30-Apr-10	9.00	$37,519	18.00	$0	$37,519	$0	62.60
13416042LOE	Vend Fab S/R Septa Chambers (S/R Vac) Oversight	22-Apr-10	22-Sep-10	21.40	$4,444	2.00	$0	$4,444	$0	86.20
13416045	Vend Fab S/R Septa Chambers- ZAs (S/R Vac) ORG	22-Apr-10	30-Jun-10	9.80	$0	0.00	$0	$36,636	$36,636	62.60
13416045a	Vend Fab S/R Septa Chambers- ZAs (S/R Vac) REDESIGN FY10	01-Sep-10	30-Sep-10	4.20	$0	0.00	$0	$11,675	$11,675	73.60
13416045ab	Vend Fab S/R Septa Chambers- ZAs (S/R Vac) REDESIGN FY11	01-Oct-10	29-Dec-10	11.40	$0	0.00	$0	$32,700	$32,700	73.60
13416046	Vend Fab S/R Septa Chambers- YRs (S/R Vac) ORG	03-Jun-10	30-Jun-10	4.00	$0	0.00	$0	$4,615	$4,615	62.60
13416046a	Vend Fab S/R Septa Chambers- YRs (S/R Vac) REDESIGN	01-Nov-10	21-Mar-11	18.20	$0	0.00	$0	$13,812	$13,812	62.60
13416047	Vend Fab S/R Septa Chambers- YB (S/R Vac)	01-Nov-10	21-Mar-11	18.20	$0	0.00	$0	$5,160	$5,160	62.60
13416048M	Fabrication Complete S/R Septa Chambers (S/R Vac)		21-Mar-11	0.00	$0	0.00	$0	$0	$0	62.60
13416049	Vend Fab New Drift Tubes (S/R Vac)	15-Feb-12	29-Aug-12	27.60	$0	0.00	$70,125	$70,125	$0	51.60
13416049A	Vend Fab New Bellows (S/R Vac)	01-Oct-10	17-Mar-11	22.00	$0	0.00	$22,677	$22,677	$0	57.60
13416049B	Proc Vac Materials Flanges/Gaskets/Hardware (S/R Vac)	01-Oct-10	17-Mar-11	22.00	$0	0.00	$26,078	$26,078	$0	57.60
13416050	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$238,649	$238,649	$0	4.00
1.3.4.1.7 INSTALLATION		14-Nov-11	11-Nov-13	99.00	$1,653,039	780.90	$1,411,329	$3,226,202	$161,834	0.80
13417015	Accelerator Down Planning Activity	14-Nov-11	04-May-12	23.00	$184,680	75.00	$0	$184,680	$0	1.00
13417020	Re-survey align network	18-Jun-12	29-Jun-12	2.00	$37,971	17.20	$0	$37,971	$0	56.80
13417026M	ER - Removed (BIA Activity Complete)		28-Jun-12	0.00	$0	0.00	$0	$0	$0	12.60
13417030	ER - Install stands	27-Jun-12	11-Sep-12	10.80	$85,256	38.60	$0	$85,256	$0	12.60
13417035	ER - Upstairs	05-Jun-12	08-Aug-12	9.40	$104,241	47.20	$0	$136,949	$32,708	54.60
13417040	ER - Install magnets and girders FY12	18-Sep-12	28-Sep-12	1.80	$15,594	7.78	$0	$15,594	$0	12.60
13417040a	ER - Install magnets and girders FY13	01-Oct-12	11-Jan-13	13.40	$119,798	57.92	$0	$119,798	$0	12.60
13417045	ER - Final align	01-Apr-13	10-Apr-13	1.60	$18,862	9.30	$0	$18,862	$0	11.60
13417050M	WR - Removed (BIA Activity Complete)		06-Sep-12	0.00	$0	0.00	$0	$0	$0	15.60
13417055	WR - Install stands	20-Nov-12	11-Jan-13	6.20	$57,976	28.60	$0	$57,976	$0	15.60
13417060	WR - Upstairs FY12	02-Jul-12	28-Sep-12	12.80	$95,526	43.50	$0	$122,978	$27,451	28.00
13417060a	WR - Upstairs FY13	01-Oct-12	05-Oct-12	1.00	$7,701	3.40	$0	$9,914	$2,213	28.00



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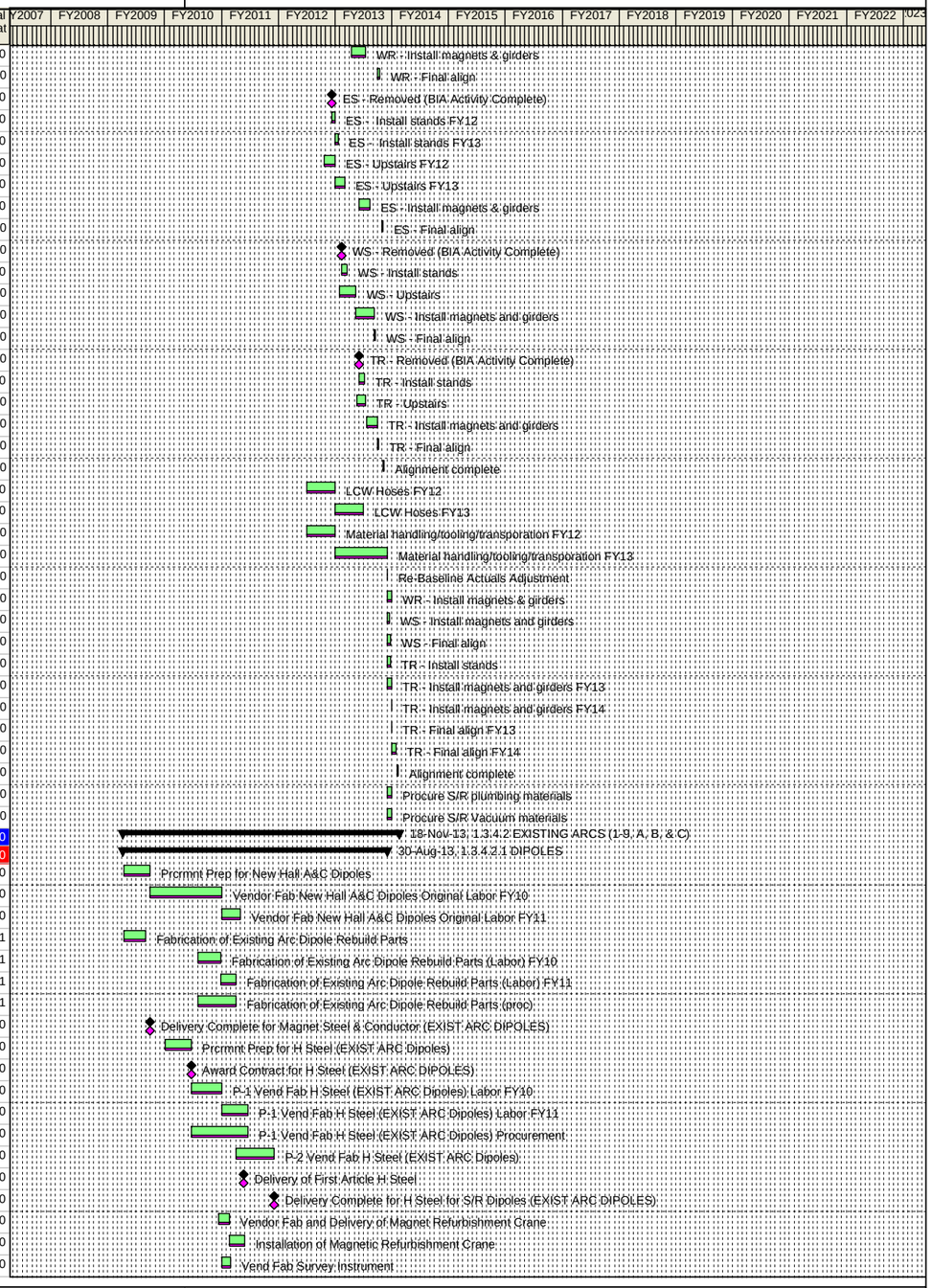
Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
13417065	WR - Install magnets & girders	14-Jan-13	16-Apr-13	13.00	$130,643	64.40	$0	$130,643	$0	15.60
13417070	WR - Final align	03-Jul-13	15-Jul-13	1.60	$19,885	9.80	$0	$19,885	$0	4.80
13417075M	ES - Removed (BIA Activity Complete)		12-Sep-12	0.00	$0	0.00	$0	$0	$0	15.00
13417080	ES - Install stands FY12	13-Sep-12	28-Sep-12	2.40	$27,015	12.88	$0	$27,015	$0	32.60
13417080a	ES - Install stands FY13	01-Oct-12	18-Oct-12	2.80	$32,524	15.02	$0	$32,524	$0	32.60
13417085	ES - Upstairs FY12	23-Jul-12	28-Sep-12	9.80	$39,199	18.56	$0	$54,025	$14,826	15.00
13417085a	ES - Upstairs FY13	01-Oct-12	04-Dec-12	9.00	$37,149	17.04	$0	$51,199	$14,050	15.00
13417090	ES - Install magnets & girders	06-Mar-13	14-May-13	10.00	$94,966	46.80	$0	$94,966	$0	15.00
13417095	ES - Final align	29-Jul-13	02-Aug-13	1.00	$12,356	6.10	$0	$12,356	$0	4.80
13417100M	WS - Removed (BIA Activity Complete)		14-Nov-12	0.00	$0	0.00	$0	$0	$0	4.80
13417105	WS - Install stands	15-Nov-12	17-Dec-12	4.20	$46,643	23.00	$0	$46,643	$0	11.00
13417110	WS - Upstairs	26-Oct-12	07-Feb-13	13.20	$62,069	30.60	$0	$92,518	$30,449	4.80
13417115	WS - Install magnets and girders	08-Feb-13	11-Jun-13	17.20	$95,700	47.20	$0	$95,700	$0	4.80
13417120	WS - Final align	12-Jun-13	18-Jun-13	1.00	$12,356	6.10	$0	$12,356	$0	4.80
13417125M	TR - Removed (BIA Activity Complete)		05-Mar-13	0.00	$0	0.00	$0	$0	$0	9.20
13417130	TR - Install stands	06-Mar-13	04-Apr-13	4.40	$46,643	23.00	$0	$46,643	$0	11.80
13417135	TR - Upstairs	19-Feb-13	16-Apr-13	8.20	$56,586	27.90	$0	$84,467	$27,881	9.20
13417140	TR - Install magnets and girders	24-Apr-13	28-Jun-13	9.40	$95,333	47.00	$0	$95,333	$0	9.20
13417145	TR - Final align	01-Jul-13	05-Jul-13	0.80	$6,323	3.10	$0	$6,323	$0	9.20
13417150	Alignment complete	07-Aug-13	09-Aug-13	0.60	$3,620	1.80	$0	$3,620	$0	4.80
13417155	LCW Hoses FY12	02-Apr-12	28-Sep-12	25.40	$0	0.00	$85,000	$85,000	$0	11.60
13417160	LCW Hoses FY13	01-Oct-12	29-Mar-13	24.00	$0	0.00	$160,000	$160,000	$0	11.60
13417165	Material handling/tooling/transporation FY12	02-Apr-12	28-Sep-12	25.40	$0	0.00	$50,000	$50,000	$0	1.80
13417170	Material handling/tooling/transporation FY13	01-Oct-12	30-Aug-13	45.60	$0	0.00	$36,117	$36,117	$0	1.80
13417175	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$1,070,381	$1,070,381	$0	4.00
23417065	WR - Install magnets & girders	03-Sep-13	30-Sep-13	4.00	$7,471	3.66	$0	$7,471	$0	0.80
23417115	WS - Install magnets and girders	03-Sep-13	17-Sep-13	2.20	$9,625	4.73	$0	$9,625	$0	5.40
23417120	WS - Final align	03-Sep-13	19-Sep-13	2.60	$13,506	6.60	$0	$13,506	$0	5.40
23417130	TR - Install stands	03-Sep-13	24-Sep-13	3.20	$17,957	8.78	$0	$17,957	$0	0.80
23417140	TR - Install magnets and girders FY13	03-Sep-13	30-Sep-13	4.00	$39,032	19.13	$0	$39,032	$0	0.80
23417140a	TR - Install magnets and girders FY14	01-Oct-13	01-Oct-13	0.20	$1,952	0.96	$0	$1,952	$0	0.80
23417145	TR - Final align FY13	30-Sep-13	30-Sep-13	0.20	$581	0.28	$0	$581	$0	0.80
23417145a	TR - Final align FY14	01-Oct-13	29-Oct-13	4.20	$12,209	5.97	$0	$12,209	$0	0.80
23417150	Alignment complete	07-Nov-13	11-Nov-13	0.60	$4,093	2.00	$0	$4,093	$0	0.80
23417165	Procure S/R plumbing materials	03-Sep-13	30-Sep-13	4.00	$0	0.00	$0	$12,255	$12,255	0.80
23417170	Procure S/R Vacuum materials	03-Sep-13	30-Sep-13	4.00	$0	0.00	$9,831	$9,831	$0	0.80
1.3.4.2 EXISTING ARCS (1-9, A, B, & C)		02-Jan-09	18-Nov-13	243.00	$2,879,251	1440.69	$2,682,574	$5,707,217	$145,393	58.80
1.3.4.2.1 DIPOLES		02-Jan-09	30-Aug-13	232.00	$180,970	54.83	$1,988,927	$2,259,815	$89,918	64.80
13421025	Prcrmnt Prep for New Hall A&C Dipoles	12-Jan-09	26-Jun-09	23.40	$4,561	2.10	$0	$4,561	$0	64.20
13421030	Vendor Fab New Hall A&C Dipoles Original Labor FY10	29-Jun-09	30-Sep-10	62.80	$14,459	6.10	$0	$14,459	$0	64.20
13421030a	Vendor Fab New Hall A&C Dipoles Original Labor FY11	01-Oct-10	28-Jan-11	15.40	$3,683	1.50	$0	$3,683	$0	64.20
13421046	Fabrication of Existing Arc Dipole Rebuild Parts	12-Jan-09	29-May-09	19.40	$8,427	4.13	$0	$8,427	$0	17.91
13421046a	Fabrication of Existing Arc Dipole Rebuild Parts (Labor) FY10	03-May-10	30-Sep-10	21.00	$5,587	2.65	$0	$5,587	$0	17.91
13421046ab	Fabrication of Existing Arc Dipole Rebuild Parts (Labor) FY11	30-Sep-10	05-Jan-11	12.20	$3,301	1.52	$0	$3,301	$0	17.91
13421046b	Fabrication of Existing Arc Dipole Rebuild Parts (proc)	03-May-10	05-Jan-11	33.20	$0	0.00	$374,816	$374,816	$0	17.91
13421050M	Delivery Complete for Magnet Steel & Conductor (EXIST ARC DIPOLES)		29-Jun-09	0.00	$0	0.00	$0	$0	$0	272.20
13421055	Prcrmnt Prep for H Steel (EXIST ARC Dipoles)	05-Oct-09	19-Mar-10	22.00	$3,539	1.50	$0	$3,539	$0	33.80
13421060M	Award Contract for H Steel (EXIST ARC DIPOLES)	22-Mar-10		0.00	$0	0.00	$0	$0	$0	33.80
13421065	P-1 Vend Fab H Steel (EXIST ARC Dipoles) Labor FY10	22-Mar-10	30-Sep-10	27.20	$2,437	1.10	$0	$2,437	$0	33.80
13421065a	P-1 Vend Fab H Steel (EXIST ARC Dipoles) Labor FY11	01-Oct-10	21-Mar-11	22.40	$2,070	0.90	$0	$2,070	$0	33.80
13421065b	P-1 Vend Fab H Steel (EXIST ARC Dipoles) Procurement	22-Mar-10	21-Mar-11	49.60	$0	0.00	$380,788	$380,788	$0	33.80
13421066	P-2 Vend Fab H Steel (EXIST ARC Dipoles)	04-Jan-11	02-Sep-11	34.00	$2,293	1.00	$731,791	$734,083	$0	33.80
13421067M	Delivery of First Article H Steel		22-Feb-11	0.00	$0	0.00	$0	$0	$0	61.00
13421070M	Delivery Complete for H Steel for S/R Dipoles (EXIST ARC DIPOLES)		02-Sep-11	0.00	$0	0.00	$0	$0	$0	33.80
13421085	Vendor Fab and Delivery of Magnet Refurbishment Crane	13-Sep-10	19-Nov-10	10.00	$0	0.00	$80,000	$80,000	$0	10.80
13421090	Installation of Magnetic Refurbishment Crane	22-Nov-10	25-Feb-11	12.00	$5,168	3.00	$51,595	$56,763	$0	10.80
13421095	Vend Fab Survey Instrument	01-Oct-10	29-Nov-10	8.00	$2,718	1.00	$180,583	$183,301	$0	22.00



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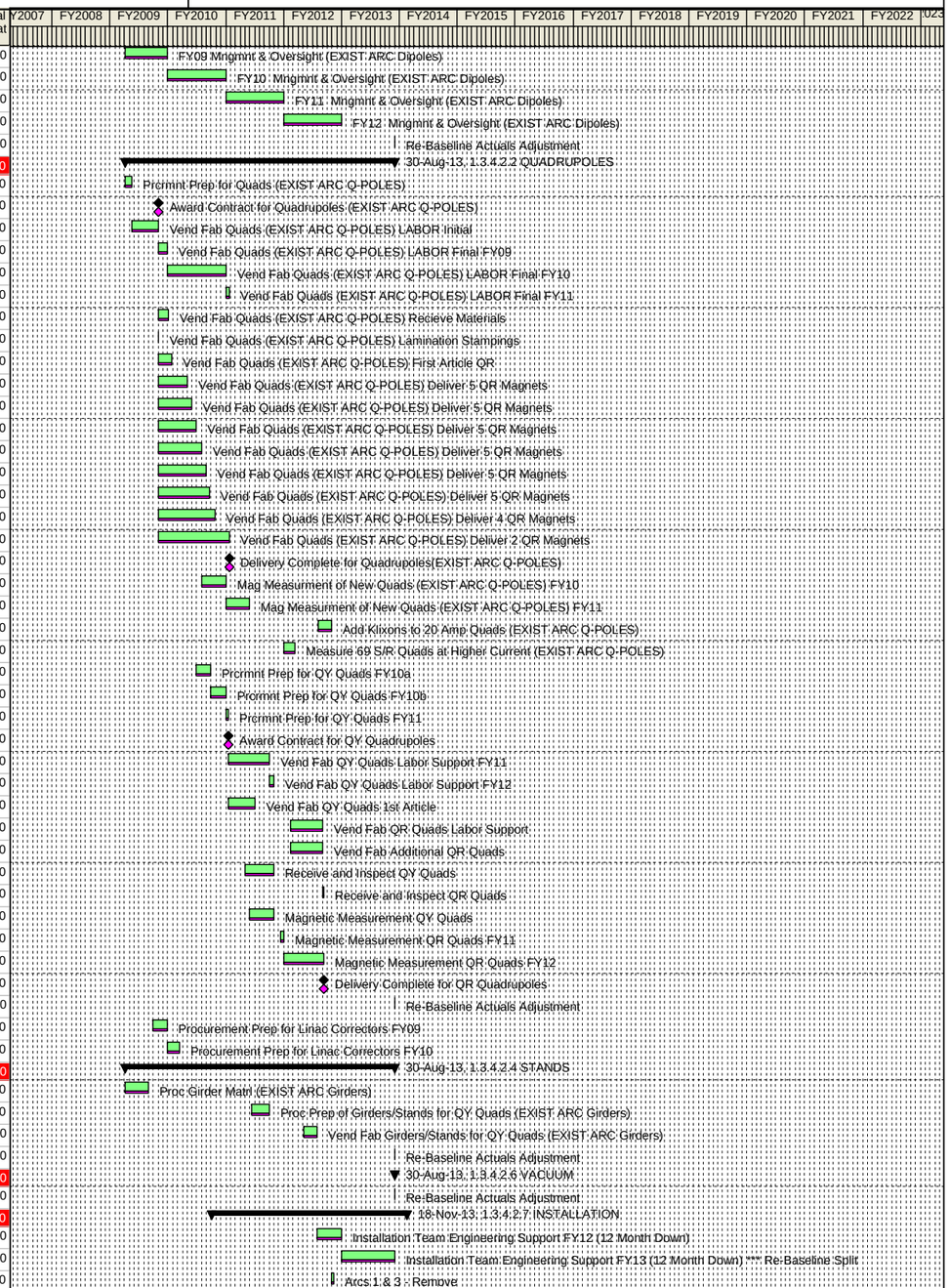
Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
13421909LOE	FY09 Mngmnt & Oversight (EXIST ARC Dipoles)	02-Jan-09	30-Sep-09	37.80	$21,945	5.33	$0	$39,530	$17,585	4.00
13421910LOE	FY10 Mngmnt & Oversight (EXIST ARC Dipoles)	01-Oct-09	30-Sep-10	49.60	$33,958	8.00	$0	$57,769	$23,811	4.00
13421911LOE	FY11 Mngmnt & Oversight (EXIST ARC Dipoles)	01-Oct-10	30-Sep-11	49.60	$30,663	7.00	$0	$54,065	$23,402	4.00
13421912LOE	FY12 Mngmnt & Oversight (EXIST ARC Dipoles)	03-Oct-11	28-Sep-12	49.40	$36,160	8.00	$0	$61,280	$25,120	4.00
13421950	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$189,355	$189,355	$0	4.00
1.3.4.2.2 QUADRUPOLES		02-Jan-09	30-Aug-13	232.00	$223,315	98.25	$456,762	$680,078	$0	69.80
13422035	Prcrmnt Prep for Quads (EXIST ARC Q-POLES)	02-Jan-09	18-Feb-09	6.40	$3,926	1.76	$0	$3,926	$0	295.40
13422040M	Award Contract for Quadrupoles (EXIST ARC Q-POLES)	03-Aug-09		0.00	$0	0.00	$0	$0	$0	272.40
13422045	Vend Fab Quads (EXIST ARC Q-POLES) LABOR Initial	19-Feb-09	31-Jul-09	23.00	$5,399	2.55	$0	$5,399	$0	115.20
13422046	Vend Fab Quads (EXIST ARC Q-POLES) LABOR Final FY09	03-Aug-09	30-Sep-09	8.40	$2,200	1.00	$0	$2,200	$0	115.20
13422046b	Vend Fab Quads (EXIST ARC Q-POLES) LABOR Final FY10	01-Oct-09	30-Sep-10	49.60	$13,404	5.91	$0	$13,404	$0	115.20
13422046ba	Vend Fab Quads (EXIST ARC Q-POLES) LABOR Final FY11	01-Oct-10	26-Oct-10	3.60	$1,004	0.43	$0	$1,004	$0	115.20
13422047	Vend Fab Quads (EXIST ARC Q-POLES) Recieve Materials	03-Aug-09	05-Oct-09	9.00	$0	0.00	$84,150	$84,150	$0	167.80
13422047A	Vend Fab Quads (EXIST ARC Q-POLES) Lamination Stampings	03-Aug-09	03-Aug-09	0.20	$0	0.00	$19,125	$19,125	$0	176.60
13422047B	Vend Fab Quads (EXIST ARC Q-POLES) First Article QR	03-Aug-09	28-Oct-09	12.40	$0	0.00	$19,900	$19,900	$0	164.40
13422047C	Vend Fab Quads (EXIST ARC Q-POLES) Deliver 5 QR Magnets	03-Aug-09	29-Jan-10	24.00	$0	0.00	$38,500	$38,500	$0	152.80
13422047D	Vend Fab Quads (EXIST ARC Q-POLES) Deliver 5 QR Magnets	03-Aug-09	26-Feb-10	27.80	$0	0.00	$38,500	$38,500	$0	149.00
13422047F	Vend Fab Quads (EXIST ARC Q-POLES) Deliver 5 QR Magnets	03-Aug-09	29-Mar-10	32.00	$0	0.00	$38,500	$38,500	$0	144.80
13422047G	Vend Fab Quads (EXIST ARC Q-POLES) Deliver 5 QR Magnets	03-Aug-09	30-Apr-10	36.80	$0	0.00	$38,500	$38,500	$0	140.00
13422047H	Vend Fab Quads (EXIST ARC Q-POLES) Deliver 5 QR Magnets	03-Aug-09	28-May-10	40.80	$0	0.00	$38,500	$38,500	$0	136.00
13422047J	Vend Fab Quads (EXIST ARC Q-POLES) Deliver 5 QR Magnets	03-Aug-09	23-Jun-10	44.20	$0	0.00	$38,500	$38,500	$0	132.60
13422047K	Vend Fab Quads (EXIST ARC Q-POLES) Deliver 4 QR Magnets	03-Aug-09	26-Jul-10	48.60	$0	0.00	$30,800	$30,800	$0	128.20
13422047L	Vend Fab Quads (EXIST ARC Q-POLES) Deliver 2 QR Magnets	03-Aug-09	26-Oct-10	61.60	$0	0.00	$20,600	$20,600	$0	115.20
13422050M	Delivery Complete for Quadrupoles(EXIST ARC Q-POLES)		26-Oct-10	0.00	$0	0.00	$0	$0	$0	115.20
13422055	Mag Measurment of New Quads (EXIST ARC Q-POLES) FY10	05-May-10	30-Sep-10	20.80	$8,761	4.32	$0	$8,761	$0	115.20
13422055a	Mag Measurment of New Quads (EXIST ARC Q-POLES) FY11	01-Oct-10	25-Feb-11	19.20	$8,344	3.98	$0	$8,344	$0	115.20
13422060	Add Klixons to 20 Amp Quads (EXIST ARC Q-POLES)	07-May-12	31-Jul-12	12.00	$5,866	3.30	$26,520	$32,387	$0	55.80
13422065	Measure 69 S/R Quads at Higher Current (EXIST ARC Q-POLES)	03-Oct-11	13-Dec-11	10.00	$0	0.00	$0	$0	$0	39.40
13422100	Prcrmnt Prep for QY Quads FY10a	01-Apr-10	30-Jun-10	12.80	$27,560	12.12	$0	$27,560	$0	105.60
13422102	Prcrmnt Prep for QY Quads FY10b	01-Jul-10	30-Sep-10	12.80	$50,175	22.06	$0	$50,175	$0	105.60
13422102a	Prcrmnt Prep for QY Quads FY11	01-Oct-10	20-Oct-10	2.80	$11,326	4.83	$0	$11,326	$0	105.60
13422105M	Award Contract for QY Quadrupoles	21-Oct-10		0.00	$0	0.00	$0	$0	$0	105.60
13422110	Vend Fab QY Quads Labor Support FY11	21-Oct-10	30-Jun-11	34.00	$25,478	10.00	$0	$25,478	$0	105.60
13422112	Vend Fab QY Quads Labor Support FY12	01-Jul-11	29-Jul-11	4.00	$6,533	2.56	$0	$6,533	$0	105.60
13422115	Vend Fab QY Quads 1st Article	21-Oct-10	31-Mar-11	21.20	$0	0.00	$41,276	$41,276	$0	105.60
13422117	Vend Fab QR Quads Labor Support	14-Nov-11	31-May-12	26.60	$19,551	7.44	$0	$19,551	$0	64.20
13422120	Vend Fab Additional QR Quads	14-Nov-11	31-May-12	26.60	$0	0.00	$62,243	$62,243	$0	63.20
13422122	Receive and Inspect QY Quads	31-Jan-11	29-Jul-11	25.40	$10,986	4.96	$0	$10,986	$0	105.60
13422122a	Receive and Inspect QR Quads	01-Jun-12	08-Jun-12	1.00	$6,963	3.04	$0	$6,963	$0	63.20
13422123	Magnetic Measurement QY Quads	02-Mar-11	29-Jul-11	21.20	$6,528	3.46	$0	$6,528	$0	105.60
13422123a	Magnetic Measurement QR Quads FY11	09-Sep-11	30-Sep-11	3.20	$417	0.22	$0	$417	$0	63.20
13422123b	Magnetic Measurement QR Quads FY12	03-Oct-11	08-Jun-12	33.60	$4,526	2.32	$0	$4,526	$0	63.20
13422125M	Delivery Complete for QR Quadrupoles		08-Jun-12	0.00	$0	0.00	$0	$0	$0	63.20
13422130	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($78,852)	($78,852)	$0	4.00
13432004	Procurement Prep for Linac Correctors FY09	02-Jul-09	30-Sep-09	12.60	$2,338	1.09	$0	$2,338	$0	60.40
13432004b	Procurement Prep for Linac Correctors FY10	01-Oct-09	16-Dec-09	10.60	$2,031	0.91	$0	$2,031	$0	60.40
1.3.4.2.4 STANDS		05-Jan-09	30-Aug-13	231.80	$28,265	12.56	($7,322)	$20,943	$0	4.00
13425020	Proc Girder Matrl (EXIST ARC Girders)	05-Jan-09	29-May-09	20.40	$2,928	1.36	$0	$2,928	$0	118.40
13425025	Proc Prep of Girders/Stands for QY Quads (EXIST ARC Girders)	11-Mar-11	30-Jun-11	15.80	$25,337	11.20	$0	$25,337	$0	30.60
13425030	Vend Fab Girders/Stands for QY Quads (EXIST ARC Girders)	03-Feb-12	30-Apr-12	12.20	$0	0.00	$28,790	$28,790	$0	1.80
13425035	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($36,112)	($36,112)	$0	4.00
1.3.4.2.6 VACUUM		30-Aug-13	30-Aug-13	0.20	$0	0.00	$4,286	$4,286	$0	4.00
13426000	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$4,286	$4,286	$0	4.00
1.3.4.2.7 INSTALLATION		02-Jul-10	18-Nov-13	168.20	$2,446,701	1275.04	$239,920	$2,742,096	$55,475	24.40
13427015LOE	Installation Team Engineering Support FY12 (12 Month Down)	01-May-12	28-Sep-12	21.20	$107,901	56.00	$0	$107,901	$0	1.80
13427016LOE	Installation Team Engineering Support FY13 (12 Month Down) *** Re-Baseline Split	01-Oct-12	30-Aug-13	45.60	$86,080	43.29	$0	$86,080	$0	1.80
13427020	Arcs 1 & 3 - Remove	02-Aug-12	13-Aug-12	1.60	$37,335	16.90	$0	$37,335	$0	28.80



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Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
13427021	Rework of arcs 5, 7, and 9 Part A FY12	14-Aug-12	28-Sep-12	6.60	$36,187	20.36	$0	$36,187	$0	38.60
13427021a	Rework of arcs 5, 7, and 9 Part A FY13	01-Oct-12	03-Dec-12	8.80	$49,791	27.14	$0	$49,791	$0	38.60
13427022	Rework of arcs 5, 7, and 9 Part B FY12	01-Jun-12	28-Sep-12	16.80	$73,882	41.56	$0	$73,882	$0	45.00
13427022a	Rework of arcs 5, 7, and 9 Part B FY13	01-Oct-12	16-Oct-12	2.40	$10,892	5.94	$0	$10,892	$0	45.00
13427023	Rework of arcs 5, 7, and 9 Part C FY12	14-Jun-12	28-Sep-12	15.20	$46,166	25.97	$0	$46,166	$0	34.80
13427023a	Rework of arcs 5, 7, and 9 Part C FY13	01-Oct-12	07-Jan-13	12.60	$39,492	21.53	$0	$39,492	$0	34.80
13427024	Rework of arcs 5, 7, and 9 Part D FY12	27-Jun-12	28-Sep-12	13.40	$37,465	21.08	$0	$37,465	$0	30.60
13427024a	Rework of arcs 5, 7, and 9 Part D FY13	01-Oct-12	06-Feb-13	16.80	$48,472	26.42	$0	$48,472	$0	30.60
13427025	Arcs 1 & 3 - Refurb and measure FY12	07-Aug-12	28-Sep-12	7.60	$51,217	24.62	$0	$51,217	$0	28.80
13427025a	Arcs 1 & 3 - Refurb and measure FY13	01-Oct-12	02-Jan-13	12.00	$83,453	38.88	$0	$83,453	$0	28.80
13427027	Arcs 1 & 3 - Install FY12	07-Aug-12	28-Sep-12	7.60	$50,548	24.42	$0	$50,548	$0	28.80
13427027a	Arcs 1 & 3 - Install FY13	01-Oct-12	18-Jan-13	14.40	$98,835	46.28	$0	$98,835	$0	28.80
13427028	West Arc LCW Work	03-Jan-13	14-Feb-13	6.00	$19,995	10.90	$0	$19,995	$0	26.00
13427030	Arcs - Final align west end	15-Feb-13	12-Mar-13	3.40	$86,047	42.40	$0	$86,047	$0	26.00
13427032	Arcs - Final align east end	22-Jan-13	14-Feb-13	3.60	$44,597	22.00	$0	$44,597	$0	28.80
13427035	Hall A - Remove	11-Oct-12	19-Oct-12	1.40	$8,919	4.40	$0	$8,919	$0	37.20
13427037	Hall A - Upstairs	22-Oct-12	20-Nov-12	4.40	$26,391	13.00	$0	$26,391	$0	37.20
13427040	Hall A - Install	12-Nov-12	28-Mar-13	17.80	$30,195	14.90	$0	$30,195	$0	37.20
13427042	Hall B - Remove	16-Oct-12	02-Nov-12	2.80	$29,828	14.70	$0	$29,828	$0	41.40
13427045	Hall B - Upstairs	05-Nov-12	15-Jan-13	8.80	$48,690	24.00	$0	$48,690	$0	58.60
13427047	Hall B - Install	05-Nov-12	20-Mar-13	17.60	$82,977	40.90	$0	$82,977	$0	58.40
13427050	Hall C - Remove	23-Oct-12	09-Nov-12	2.80	$8,919	4.40	$0	$8,919	$0	41.40
13427052	Hall C - Upstairs	12-Nov-12	19-Dec-12	5.20	$29,171	14.40	$0	$29,171	$0	65.60
13427055	Procure new material handling equipment	05-Nov-10	18-Apr-11	21.40	$3,446	2.00	$134,147	$137,593	$0	3.60
13427057	Hall C - Install	11-Dec-12	28-Jan-13	5.60	$32,897	16.20	$0	$32,897	$0	65.60
13427060	Procure Temporary Space for expanded technician work force	04-Mar-11	31-Aug-11	25.40	$0	0.00	$77,393	$77,393	$0	10.20
13427061	NE matching final alignment	05-Aug-13	06-Aug-13	0.40	$8,919	4.40	$0	$8,919	$0	4.80
13427062	SW matching final alignment	27-Jun-13	02-Jul-13	0.80	$8,919	4.40	$0	$8,919	$0	4.80
13427062LOE	Engineering Support 6 Month Down	13-May-11	06-Sep-11	16.00	$97,848	36.00	$0	$97,848	$0	9.60
13427063LOE	Tech Training	04-Mar-11	28-Apr-11	8.00	$238,282	136.00	$0	$238,282	$0	2.00
13427065	AS-FOUND SURVEY (B/L UNDER VACUUM) SOUTH SIDE WEST ARC	20-May-11	01-Jun-11	1.60	$9,510	5.52	$0	$9,510	$0	9.20
13427070	BLEED UP VACUUM SOUTH SIDE OF W/ARC	02-Jun-11	02-Jun-11	0.20	$861	0.50	$0	$861	$0	9.20
13427075	AS-FOUND SURVEY (B/L UNDER VACUUM) NORTH SIDE WEST ARC	02-Jun-11	13-Jun-11	1.60	$9,510	5.52	$0	$9,510	$0	11.40
13427080	BLEED UP VACUUM NORTH SIDE OF W/ARC	14-Jun-11	14-Jun-11	0.20	$861	0.50	$0	$861	$0	11.40
13427085	PUMP OUT SOUTH SIDE WEST ARC	21-Jul-11	25-Jul-11	0.60	$3,170	1.84	$0	$3,170	$0	13.20
13427090	QA CHECKS - SOUTH SIDE WEST ARC	25-Jul-11	28-Jul-11	0.80	$8,302	4.83	$0	$8,302	$0	13.20
13427095	2B FINAL STACK ALIGNMENT (B/L UNDER VACUUM) - SOUTH SIDE WEST ARC	29-Jul-11	10-Aug-11	1.80	$9,510	5.52	$0	$9,510	$0	13.20
13427100	PUMP OUT NORTH SIDE WEST ARC	23-Aug-11	25-Aug-11	0.60	$3,170	1.84	$0	$3,170	$0	9.20
13427105	QA CHECKS - NORTH SIDE WEST ARC	25-Aug-11	30-Aug-11	0.80	$8,302	4.83	$0	$8,302	$0	9.20
13427110	2B FINAL STACK ALIGNMENT (B/L UNDER VACUUM) - NORTH SIDE WEST ARC	30-Aug-11	08-Sep-11	1.40	$9,510	5.52	$0	$9,510	$0	9.20
13427115M	WEST ARC FINISHED		08-Sep-11	0.00	$0	0.00	$0	$0	$0	9.20
13427120	REMOVE MAGNETS - QUAD 1	03-Jun-11	09-Jun-11	1.00	$19,009	11.04	$0	$19,009	$0	9.20
13427125	REFURB, UPGRADE AND TEST MAGNETS - QUAD 1	08-Jun-11	22-Jun-11	2.20	$66,569	38.64	$0	$80,438	$13,869	9.20
13427130	INSTALL MAGNETS AND ARC 10 - QUAD 1	15-Jun-11	12-Jul-11	3.80	$38,414	22.31	$0	$38,414	$0	14.40
13427135	REMOVE MAGNETS - QUAD 2	08-Jun-11	13-Jun-11	0.80	$19,009	11.04	$0	$19,009	$0	10.40
13427140	REFURB, UPGRADE AND TEST MAGNETS - QUAD 2	22-Jun-11	06-Jul-11	2.00	$66,569	38.64	$0	$80,438	$13,869	9.20
13427145	INSTALL MAGNETS AND ARC 10 - QUAD 2	28-Jun-11	20-Jul-11	3.20	$42,772	24.84	$0	$42,772	$0	13.20
13427150	REMOVE MAGNETS - QUAD 3	15-Jun-11	20-Jun-11	0.80	$19,009	11.04	$0	$19,009	$0	11.40
13427155	REFURB, UPGRADE AND TEST MAGNETS - QUAD 3	07-Jul-11	20-Jul-11	2.00	$66,569	38.64	$0	$80,438	$13,869	9.20
13427160	INSTALL MAGNETS AND ARC 10 - QUAD 3	12-Jul-11	16-Aug-11	5.20	$42,772	24.84	$0	$42,772	$0	10.00
13427165	REMOVE MAGNETS - QUAD 4	20-Jun-11	27-Jun-11	1.20	$19,009	11.04	$0	$19,009	$0	12.20
13427170	REFURB, UPGRADE AND TEST MAGNETS - QUAD 4	20-Jul-11	02-Aug-11	2.00	$66,569	38.64	$0	$80,438	$13,869	9.20
13427175	INSTALL MAGNETS AND ARC 10 - QUAD 4	25-Jul-11	22-Aug-11	4.20	$38,414	22.31	$0	$38,414	$0	9.20
13427180	Accelerator Down Planning FY10	02-Jul-10	30-Sep-10	12.60	$24,975	10.80	$0	$24,975	$0	0.60
13427180a	Accelerator Down Planning FY11	01-Oct-10	09-May-11	29.40	$60,134	25.20	$0	$60,134	$0	0.60
13427185	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$20,141	$20,141	$0	4.00
23427016LOE	Installation Team Engineering Support FY13 (12 Month Down)	03-Sep-13	30-Sep-13	4.00	$9,073	4.56	$0	$9,073	$0	0.00

Primary Baseline | Remaining Work | Baseline Milestone
Actual Work | Critical Remaining Work | Milestone

TASK filter: All Activities

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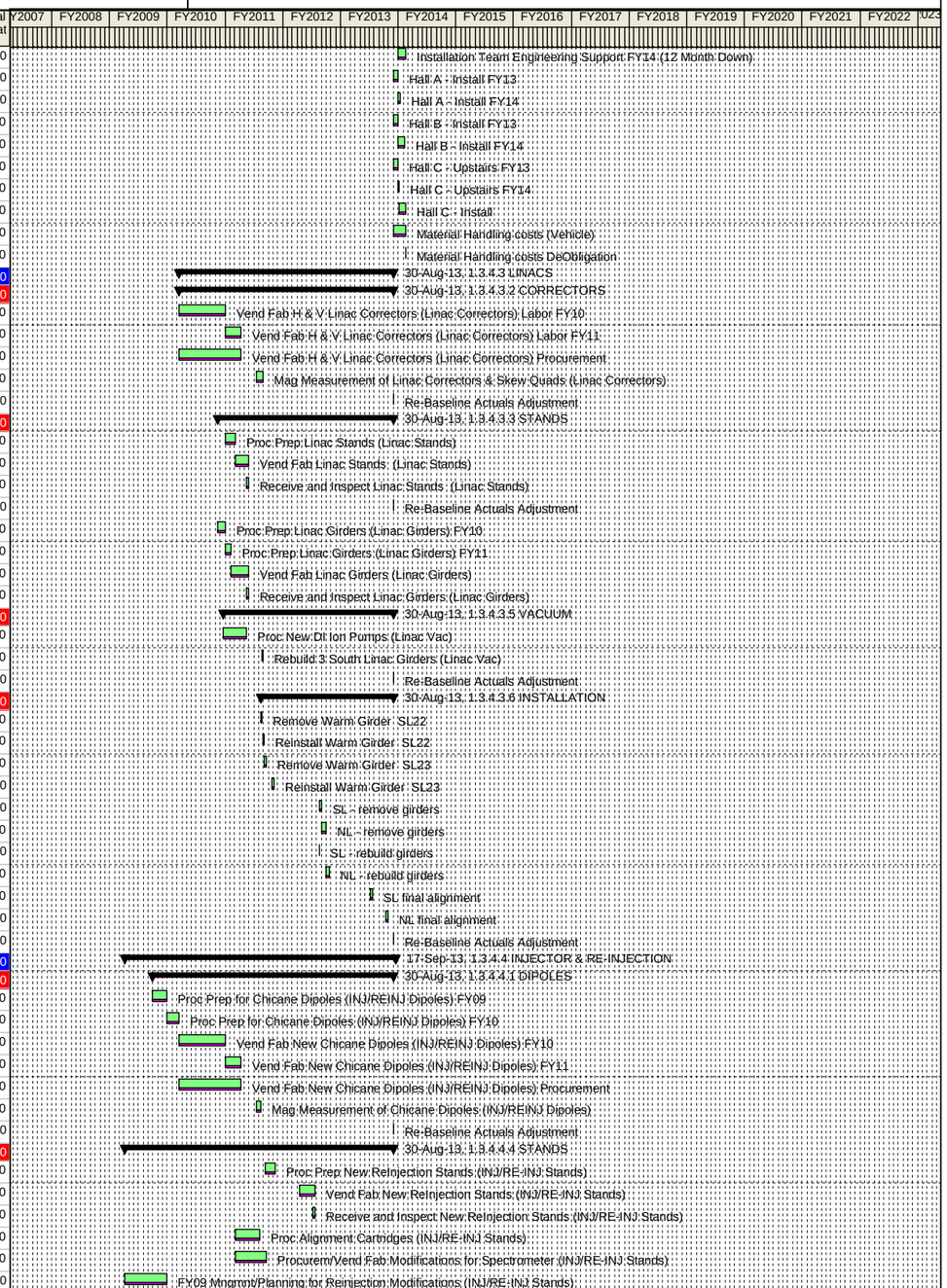
Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
23427016LOE	Installation Team Engineering Support FY14 (12 Month Down)	01-Oct-13	15-Nov-13	6.80	$15,425	7.76	$0	$15,425	$0	0.00
23427040	Hall A - Install FY13	03-Sep-13	30-Sep-13	4.00	$13,196	6.47	$0	$13,196	$0	9.60
23427040a	Hall A - Install FY14	01-Oct-13	11-Oct-13	1.80	$5,938	2.91	$0	$5,938	$0	9.60
23427047	Hall B - Install FY13	03-Sep-13	30-Sep-13	4.00	$16,808	8.23	$0	$16,808	$0	25.20
23427047a	Hall B - Install FY14	01-Oct-13	11-Nov-13	6.00	$25,212	12.35	$0	$25,212	$0	25.20
23427052	Hall C - Upstairs FY13	03-Sep-13	30-Sep-13	4.00	$7,560	3.69	$0	$7,560	$0	24.40
23427052a	Hall C - Upstairs FY14	01-Oct-13	09-Oct-13	1.40	$2,646	1.29	$0	$2,646	$0	24.40
23427057	Hall C - Install	10-Oct-13	15-Nov-13	5.40	$34,591	16.95	$0	$34,591	$0	24.40
23427062	Material Handling costs (Vehicle)	03-Sep-13	15-Nov-13	10.80	$0	0.00	$18,239	$18,239	$0	16.20
23427067	Material Handling costs DeObligation	18-Nov-13	18-Nov-13	0.20	$0	0.00	($10,000)	($10,000)	$0	16.20
1.3.4.3 LINACS		17-Dec-09	30-Aug-13	183.60	$168,289	82.00	$148,567	$316,855	$0	4.00
1.3.4.3.2 CORRECTORS		17-Dec-09	30-Aug-13	183.60	$12,087	6.30	$32,359	$44,445	$0	4.00
13432005	Vend Fab H & V Linac Correctors (Linac Correctors) Labor FY10	17-Dec-09	30-Sep-10	39.00	$3,319	1.49	$0	$3,319	$0	60.40
13432005a	Vend Fab H & V Linac Correctors (Linac Correctors) Labor FY11	01-Oct-10	12-Jan-11	13.20	$1,160	0.51	$0	$1,160	$0	60.40
13432005b	Vend Fab H & V Linac Correctors (Linac Correctors) Procurement	17-Dec-09	12-Jan-11	52.20	$0	0.00	$20,595	$20,595	$0	60.40
13432015	Mag Measurement of Linac Correctors & Skew Quads (Linac Correctors)	15-Apr-11	26-May-11	6.00	$7,607	4.30	$0	$7,607	$0	47.60
13432020	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$11,763	$11,763	$0	4.00
1.3.4.3.3 STANDS		16-Aug-10	30-Aug-13	151.20	$17,449	7.70	$110,102	$127,551	$0	4.00
13433005	Proc Prep Linac Stands (Linac Stands)	01-Oct-10	02-Dec-10	8.60	$6,370	2.50	$0	$6,370	$0	11.00
13433010	Vend Fab Linac Stands (Linac Stands)	03-Dec-10	24-Feb-11	10.40	$0	0.00	$14,963	$14,963	$0	11.00
13433015	Receive and Inspect Linac Stands (Linac Stands)	11-Feb-11	24-Feb-11	1.80	$1,723	1.00	$0	$1,723	$0	11.00
13433020	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$2,268	$2,268	$0	4.00
13434005	Proc Prep Linac Girders (Linac Girders) FY10	16-Aug-10	30-Sep-10	6.60	$4,971	2.24	$0	$4,971	$0	10.80
13434005a	Proc Prep Linac Girders (Linac Girders) FY11	01-Oct-10	05-Nov-10	5.20	$4,041	1.76	$0	$4,041	$0	10.80
13434006	Vend Fab Linac Girders (Linac Girders)	08-Nov-10	25-Feb-11	14.00	$0	0.00	$92,871	$92,871	$0	10.80
13434007	Receive and Inspect Linac Girders (Linac Girders)	14-Feb-11	25-Feb-11	1.80	$345	0.20	$0	$345	$0	10.80
1.3.4.3.5 VACUUM		17-Sep-10	30-Aug-13	146.60	$10,658	6.00	$15,895	$26,552	$0	4.00
13435010	Proc New DI Ion Pumps (Linac Vac)	17-Sep-10	16-Feb-11	20.00	$0	0.00	$21,316	$21,316	$0	61.60
13435015	Rebuild 3 South Linac Girders (Linac Vac)	23-May-11	31-May-11	1.20	$10,658	6.00	$619	$11,277	$0	12.00
13435020	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($6,041)	($6,041)	$0	4.00
1.3.4.3.6 INSTALLATION		13-May-11	30-Aug-13	114.60	$128,096	62.00	($9,789)	$118,307	$0	4.00
13436020	Remove Warm Girder SL22	13-May-11	20-May-11	1.20	$3,446	2.00	$0	$3,446	$0	12.00
13436025	Reinstall Warm Girder SL22	01-Jun-11	08-Jun-11	1.20	$5,168	3.00	$0	$5,168	$0	12.00
13436030	Remove Warm Girder SL23	09-Jun-11	16-Jun-11	1.20	$3,446	2.00	$0	$3,446	$0	12.00
13436035	Reinstall Warm Girder SL23	28-Jul-11	04-Aug-11	1.20	$5,168	3.00	$0	$5,168	$0	7.40
13436040	SL - remove girders	21-May-12	05-Jun-12	2.00	$16,797	7.60	$0	$16,797	$0	7.60
13436045	NL - remove girders	06-Jun-12	02-Jul-12	3.80	$29,572	13.40	$0	$29,572	$0	29.80
13436050	SL - rebuild girders	22-May-12	22-May-12	0.20	$1,552	0.70	$0	$1,552	$0	7.60
13436055	NL - rebuild girders	03-Jul-12	24-Jul-12	3.20	$18,349	8.30	$0	$18,349	$0	29.80
13436060	SL final alignment	11-Apr-13	23-Apr-13	1.80	$22,298	11.00	$0	$22,298	$0	11.60
13436065	NL final alignment	16-Jul-13	26-Jul-13	1.80	$22,298	11.00	$0	$22,298	$0	4.80
13436070	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($9,789)	($9,789)	$0	4.00
1.3.4.4 INJECTOR & RE-INJECTION		02-Jan-09	17-Sep-13	234.20	$239,749	108.36	$59,663	$299,412	$0	1.80
1.3.4.4.1 DIPOLES		02-Jul-09	30-Aug-13	206.80	$22,424	9.20	$9,959	$32,383	$0	4.00
13441004	Proc Prep for Chicane Dipoles (INJ/REINJ Dipoles) FY09	02-Jul-09	30-Sep-09	12.60	$3,040	1.41	$0	$3,040	$0	62.40
13441004b	Proc Prep for Chicane Dipoles (INJ/REINJ Dipoles) FY10	01-Oct-09	16-Dec-09	10.60	$2,639	1.19	$0	$2,639	$0	62.40
13441005	Vend Fab New Chicane Dipoles (INJ/REINJ Dipoles) FY10	17-Dec-09	30-Sep-10	39.00	$11,167	4.33	$0	$11,167	$0	62.40
13441005a	Vend Fab New Chicane Dipoles (INJ/REINJ Dipoles) FY11	01-Oct-10	12-Jan-11	13.20	$3,900	1.47	$0	$3,900	$0	62.40
13441005b	Vend Fab New Chicane Dipoles (INJ/REINJ Dipoles) Procurement	17-Dec-09	12-Jan-11	52.20	$0	0.00	$38,890	$38,890	$0	62.40
13441010	Mag Measurement of Chicane Dipoles (INJ/REINJ Dipoles)	15-Apr-11	12-May-11	4.00	$1,677	0.80	$0	$1,677	$0	49.60
13441015	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($28,931)	($28,931)	$0	4.00
1.3.4.4.4 STANDS		02-Jan-09	30-Aug-13	232.00	$41,675	16.56	$55,162	$96,837	$0	4.00
13444015	Proc Prep New ReInjection Stands (INJ/RE-INJ Stands)	15-Jun-11	16-Aug-11	8.80	$4,942	2.10	$0	$4,942	$0	31.00
13444017	Vend Fab New ReInjection Stands (INJ/RE-INJ Stands)	13-Jan-12	24-Apr-12	14.20	$0	0.00	$6,389	$6,389	$0	11.40
13444018	Receive and Inspect New ReInjection Stands (INJ/RE-INJ Stands)	11-Apr-12	24-Apr-12	2.00	$711	0.40	$0	$711	$0	11.40
13444020	Proc Alignment Cartridges (INJ/RE-INJ Stands)	07-Dec-10	05-May-11	20.00	$373	0.20	$1,020	$1,394	$0	50.60
13444025	Procurem/Vend Fab Modifications for Spectrometer (INJ/RE-INJ Stands)	07-Dec-10	17-Jun-11	26.00	$14,628	7.00	$34,015	$48,643	$0	44.60
13444909LOE	FY09 Mngmnt/Planning for Reinjection Modifications (INJ/RE-INJ Stands)	02-Jan-09	30-Sep-09	37.80	$21,021	6.86	$0	$21,021	$0	4.00



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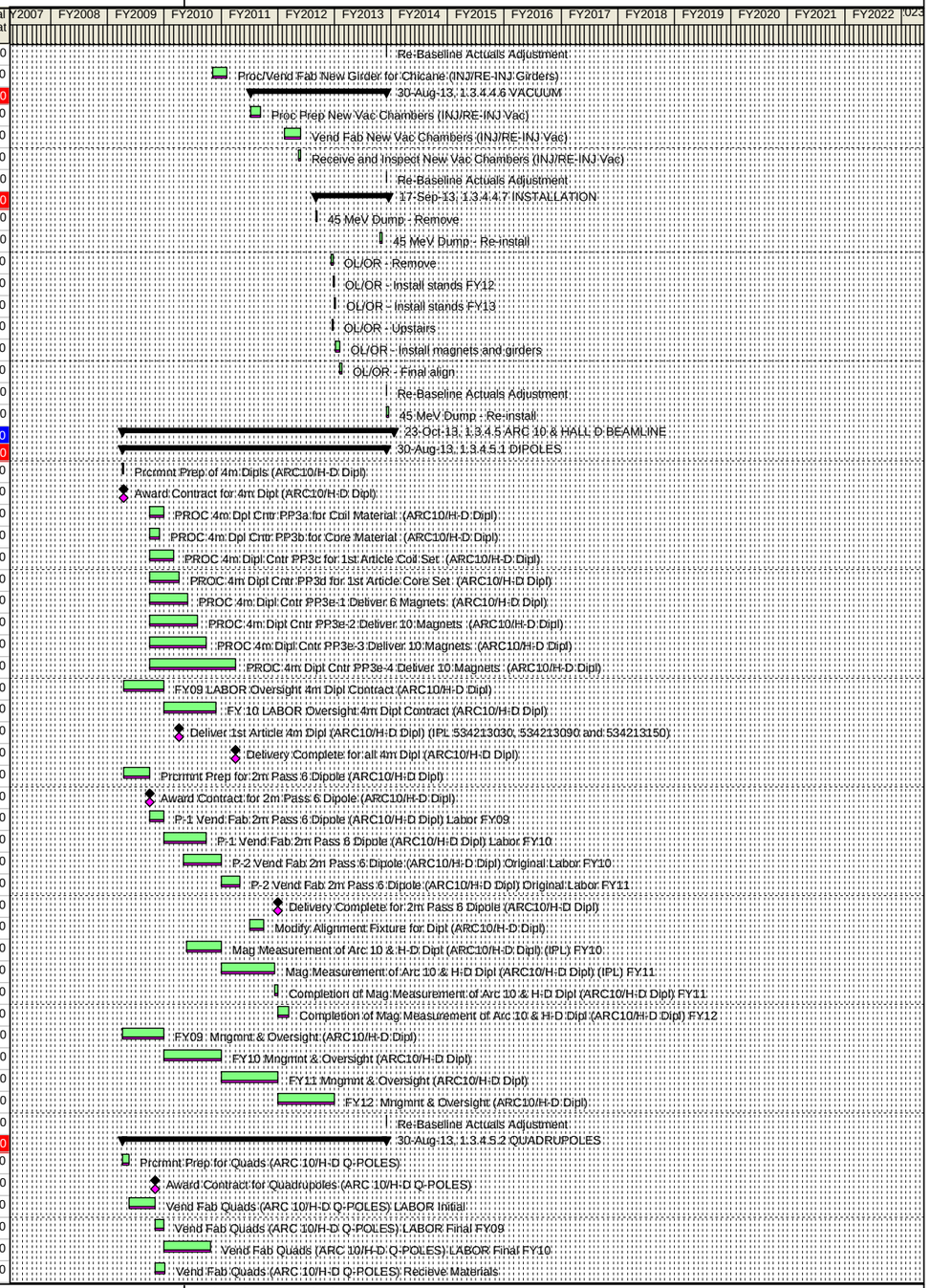
Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
13444950	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($986)	($986)	$0	4.00
13445005	Proc/Vend Fab New Girder for Chicane (INJ/RE-INJ Girders)	12-Aug-10	05-Nov-10	12.20	$0	0.00	$14,724	$14,724	$0	74.40
1.3.4.4.6 VACUUM		08-Apr-11	30-Aug-13	119.60	$8,220	3.40	($270)	$7,950	$0	4.00
13446010	Proc Prep New Vac Chambers (INJ/RE-INJ Vac)	08-Apr-11	09-Jun-11	8.80	$7,303	3.00	$0	$7,303	$0	32.20
13446010a	Vend Fab New Vac Chambers (INJ/RE-INJ Vac)	14-Nov-11	29-Feb-12	13.60	$0	0.00	$5,857	$5,857	$0	10.40
13446010b	Receive and Inspect New Vac Chambers (INJ/RE-INJ Vac)	15-Feb-12	29-Feb-12	2.00	$916	0.40	$0	$916	$0	10.40
13446015	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($6,126)	($6,126)	$0	4.00
1.3.4.4.7 INSTALLATION		05-Jun-12	17-Sep-13	64.40	$167,430	79.20	($5,188)	$162,242	$0	1.80
13447005	45 MeV Dump - Remove	05-Jun-12	08-Jun-12	0.80	$9,951	4.50	$0	$9,951	$0	6.00
13447010	45 MeV Dump - Re-install	25-Jul-13	01-Aug-13	1.20	$6,506	3.20	$0	$6,506	$0	6.00
13447015	OL/OR - Remove	07-Sep-12	21-Sep-12	2.20	$34,230	15.50	$0	$34,230	$0	15.60
13447020	OL/OR - Install stands FY12	24-Sep-12	28-Sep-12	1.00	$14,030	6.65	$0	$14,030	$0	15.60
13447020a	OL/OR - Install stands FY13	01-Oct-12	05-Oct-12	1.00	$14,478	6.65	$0	$14,478	$0	15.60
13447025	OL/OR - Upstairs	17-Sep-12	26-Sep-12	1.60	$18,349	8.30	$0	$18,349	$0	17.00
13447030	OL/OR - Install magnets and girders	08-Oct-12	05-Nov-12	4.20	$41,160	20.30	$0	$41,160	$0	15.60
13447035	OL/OR - Final align	06-Nov-12	19-Nov-12	2.00	$12,356	6.10	$0	$12,356	$0	15.60
13447040	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($5,188)	($5,188)	$0	4.00
23447010	45 MeV Dump - Re-install	03-Sep-13	17-Sep-13	2.20	$16,371	8.00	$0	$16,371	$0	0.60
1.3.4.5 ARC 10 & HALL D BEAMLINE		02-Jan-09	23-Oct-13	239.40	$1,265,885	590.86	$4,035,243	$5,333,104	$31,976	107.20
1.3.4.5.1 DIPOLES		02-Jan-09	30-Aug-13	232.00	$336,591	140.22	$2,015,744	$2,370,551	$18,216	4.00
13451055	Prcrmnt Prep of 4m Dipls (ARC10/H-D Dipl)	02-Jan-09	12-Jan-09	1.40	$473	0.21	$0	$473	$0	23.40
13451060M	Award Contract for 4m Dipl (ARC10/H-D Dipl)		12-Jan-09	0.00	$0	0.00	$0	$0	$0	23.40
13451063a	PROC 4m Dpl Cntr PP3a for Coil Material (ARC10/H-D Dipl)	30-Jun-09	30-Sep-09	13.00	$0	0.00	$168,436	$168,436	$0	97.20
13451063b	PROC 4m Dpl Cntr PP3b for Core Material (ARC10/H-D Dipl)	30-Jun-09	31-Aug-09	8.80	$0	0.00	$615,565	$615,565	$0	101.40
13451063c	PROC 4m Dipl Cntr PP3c for 1st Article Coil Set (ARC10/H-D Dipl)	30-Jun-09	30-Nov-09	21.20	$0	0.00	$3,856	$3,856	$0	89.00
13451063d	PROC 4m Dipl Cntr PP3d for 1st Article Core Set (ARC10/H-D Dipl)	30-Jun-09	31-Dec-09	24.80	$0	0.00	$23,537	$23,537	$0	85.40
13451063e-1	PROC 4m Dipl Cntr PP3e-1 Deliver 6 Magnets (ARC10/H-D Dipl)	30-Jun-09	26-Feb-10	32.40	$0	0.00	$164,358	$164,358	$0	77.80
13451063e-2	PROC 4m Dipl Cntr PP3e-2 Deliver 10 Magnets (ARC10/H-D Dipl)	30-Jun-09	30-Apr-10	41.40	$0	0.00	$273,930	$273,930	$0	68.80
13451063e-3	PROC 4m Dipl Cntr PP3e-3 Deliver 10 Magnets (ARC10/H-D Dipl)	30-Jun-09	30-Jun-10	49.80	$0	0.00	$273,930	$273,930	$0	60.40
13451063e-4	PROC 4m Dipl Cntr PP3e-4 Deliver 10 Magnets (ARC10/H-D Dipl)	30-Jun-09	30-Dec-10	74.20	$0	0.00	$273,930	$273,930	$0	36.00
13451065	FY09 LABOR Oversight 4m Dipl Contract (ARC10/H-D Dipl)	13-Jan-09	30-Sep-09	36.40	$9,107	3.89	$0	$9,107	$0	51.80
13451066	FY 10 LABOR Oversight 4m Dipl Contract (ARC10/H-D Dipl)	01-Oct-09	31-Aug-10	45.40	$14,437	5.91	$0	$14,437	$0	51.80
13451068M	Deliver 1st Article 4m Dipl (ARC10/H-D Dipl) (IPL 534213030, 534213090 and 534213150)		31-Dec-09	0.00	$0	0.00	$0	$0	$0	85.40
13451070M	Delivery Complete for all 4m Dipl (ARC10/H-D Dipl)		30-Dec-10	0.00	$0	0.00	$0	$0	$0	36.00
13451075	Prcrmnt Prep for 2m Pass 6 Dipole (ARC10/H-D Dipl)	12-Jan-09	26-Jun-09	23.40	$4,131	1.90	$0	$4,131	$0	54.00
13451080M	Award Contract for 2m Pass 6 Dipole (ARC10/H-D Dipl)		26-Jun-09	0.00	$0	0.00	$0	$0	$0	54.00
13451085	P-1 Vend Fab 2m Pass 6 Dipole (ARC10/H-D Dipl) Labor FY09	29-Jun-09	30-Sep-09	13.20	$2,280	0.98	$0	$2,280	$0	54.00
13451085b	P-1 Vend Fab 2m Pass 6 Dipole (ARC10/H-D Dipl) Labor FY10	01-Oct-09	28-Jun-10	36.40	$6,486	2.72	$0	$6,486	$0	54.00
13451086	P-2 Vend Fab 2m Pass 6 Dipole (ARC10/H-D Dipl) Original Labor FY10	29-Jan-10	30-Sep-10	34.20	$5,913	2.48	$0	$5,913	$0	54.00
13451086a	P-2 Vend Fab 2m Pass 6 Dipole (ARC10/H-D Dipl) Original Labor FY11	01-Oct-10	28-Jan-11	15.40	$2,747	1.12	$0	$2,747	$0	54.00
13451090M	Delivery Complete for 2m Pass 6 Dipole (ARC10/H-D Dipl)		30-Sep-11	0.00	$0	0.00	$0	$0	$0	19.80
13451095	Modify Alignment Fixture for Dipl (ARC10/H-D Dipl)	01-Apr-11	05-Jul-11	13.20	$345	0.20	$11,977	$12,321	$0	42.40
13451100	Mag Measurement of Arc 10 & H-D Dipl (ARC10/H-D Dipl) (IPL) FY10	22-Feb-10	30-Sep-10	31.20	$26,707	13.20	$0	$26,707	$0	19.80
13451100a	Mag Measurement of Arc 10 & H-D Dipl (ARC10/H-D Dipl) (IPL) FY11	01-Oct-10	12-Sep-11	46.80	$41,338	19.80	$0	$41,338	$0	19.80
13451105	Completion of Mag Measurement of Arc 10 & H-D Dipl (ARC10/H-D Dipl) FY11	13-Sep-11	30-Sep-11	2.80	$29,676	14.86	$0	$29,676	$0	19.80
13451105a	Completion of Mag Measurement of Arc 10 & H-D Dipl (ARC10/H-D Dipl) FY12	03-Oct-11	14-Dec-11	10.20	$111,550	54.14	$0	$111,550	$0	19.80
13451909LOE	FY09 Mngmnt & Oversight (ARC10/H-D Dipl)	02-Jan-09	30-Sep-09	37.80	$15,675	3.81	$0	$21,079	$5,405	4.00
13451910LOE	FY10 Mngmnt & Oversight (ARC10/H-D Dipl)	01-Oct-09	30-Sep-10	49.60	$21,224	5.00	$0	$34,036	$12,812	4.00
13451911LOE	FY11 Mngmnt & Oversight (ARC10/H-D Dipl)	01-Oct-10	30-Sep-11	49.60	$21,902	5.00	$0	$21,902	$0	4.00
13451912LOE	FY12 Mngmnt & Oversight (ARC10/H-D Dipl)	03-Oct-11	28-Sep-12	49.40	$22,600	5.00	$0	$22,600	$0	4.00
13451950	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$206,225	$206,225	$0	4.00
1.3.4.5.2 QUADRUPOLES		02-Jan-09	30-Aug-13	232.00	$302,856	150.18	$795,020	$1,097,877	$0	4.00
13452025	Prcrmnt Prep for Quads (ARC 10/H-D Q-POLES)	02-Jan-09	18-Feb-09	6.40	$3,028	1.41	$0	$3,028	$0	18.40
13452030M	Award Contract for Quadrupoles (ARC 10/H-D Q-POLES)	03-Aug-09		0.00	$0	0.00	$0	$0	$0	-4.60
13452035	Vend Fab Quads (ARC 10/H-D Q-POLES) LABOR Initial	19-Feb-09	31-Jul-09	23.00	$7,396	3.48	$0	$7,396	$0	80.80
13452036	Vend Fab Quads (ARC 10/H-D Q-POLES) LABOR Final FY09	03-Aug-09	30-Sep-09	8.40	$3,187	1.45	$0	$3,187	$0	90.80
13452036b	Vend Fab Quads (ARC 10/H-D Q-POLES) LABOR Final FY10	01-Oct-09	26-Jul-10	40.20	$15,741	6.94	$0	$15,741	$0	90.80
13452037	Vend Fab Quads (ARC 10/H-D Q-POLES) Recieve Materials	03-Aug-09	05-Oct-09	9.00	$0	0.00	$80,850	$80,850	$0	130.40



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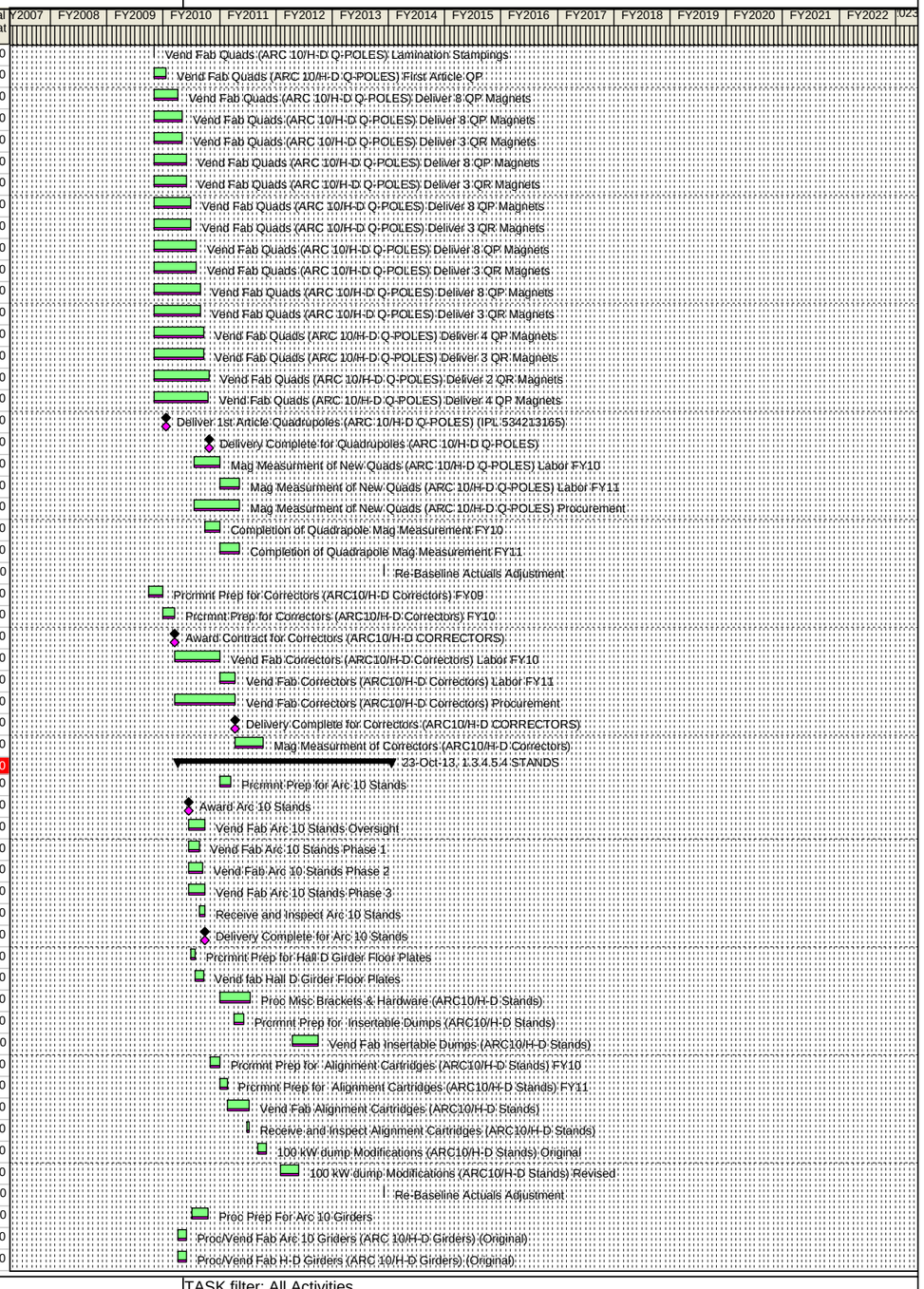
Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
13452037A	Vend Fab Quads (ARC 10/H-D Q-POLES) Lamination Stampings	03-Aug-09	03-Aug-09	0.20	$0	0.00	$18,375	$18,375	$0	139.20
13452037B	Vend Fab Quads (ARC 10/H-D Q-POLES) First Article QP	03-Aug-09	16-Oct-09	10.80	$0	0.00	$19,500	$19,500	$0	80.80
13452037C	Vend Fab Quads (ARC 10/H-D Q-POLES) Deliver 8 QP Magnets	03-Aug-09	31-Dec-09	20.20	$0	0.00	$56,000	$56,000	$0	119.20
13452037D	Vend Fab Quads (ARC 10/H-D Q-POLES) Deliver 8 QP Magnets	03-Aug-09	29-Jan-10	24.00	$0	0.00	$56,000	$56,000	$0	115.40
13452037F	Vend Fab Quads (ARC 10/H-D Q-POLES) Deliver 3 QR Magnets	03-Aug-09	29-Jan-10	24.00	$0	0.00	$23,100	$23,100	$0	115.40
13452037G	Vend Fab Quads (ARC 10/H-D Q-POLES) Deliver 8 QP Magnets	03-Aug-09	26-Feb-10	27.80	$0	0.00	$56,000	$56,000	$0	111.60
13452037H	Vend Fab Quads (ARC 10/H-D Q-POLES) Deliver 3 QR Magnets	03-Aug-09	26-Feb-10	27.80	$0	0.00	$23,100	$23,100	$0	111.60
13452037J	Vend Fab Quads (ARC 10/H-D Q-POLES) Deliver 8 QP Magnets	03-Aug-09	29-Mar-10	32.00	$0	0.00	$56,000	$56,000	$0	107.40
13452037K	Vend Fab Quads (ARC 10/H-D Q-POLES) Deliver 3 QR Magnets	03-Aug-09	29-Mar-10	32.00	$0	0.00	$23,100	$23,100	$0	107.40
13452037L	Vend Fab Quads (ARC 10/H-D Q-POLES) Deliver 8 QP Magnets	03-Aug-09	30-Apr-10	36.80	$0	0.00	$56,000	$56,000	$0	102.60
13452037N	Vend Fab Quads (ARC 10/H-D Q-POLES) Deliver 3 QR Magnets	03-Aug-09	30-Apr-10	36.80	$0	0.00	$23,100	$23,100	$0	102.60
13452037o	Vend Fab Quads (ARC 10/H-D Q-POLES) Deliver 8 QP Magnets	03-Aug-09	28-May-10	40.80	$0	0.00	$56,000	$56,000	$0	98.60
13452037P	Vend Fab Quads (ARC 10/H-D Q-POLES) Deliver 3 QR Magnets	03-Aug-09	28-May-10	40.80	$0	0.00	$23,100	$23,100	$0	98.60
13452037Q	Vend Fab Quads (ARC 10/H-D Q-POLES) Deliver 4 QP Magnets	03-Aug-09	23-Jun-10	44.20	$0	0.00	$28,000	$28,000	$0	95.20
13452037R	Vend Fab Quads (ARC 10/H-D Q-POLES) Deliver 3 QR Magnets	03-Aug-09	23-Jun-10	44.20	$0	0.00	$23,100	$23,100	$0	95.20
13452037S	Vend Fab Quads (ARC 10/H-D Q-POLES) Deliver 2 QR Magnets	03-Aug-09	26-Jul-10	48.60	$0	0.00	$15,400	$15,400	$0	90.80
13452037T	Vend Fab Quads (ARC 10/H-D Q-POLES) Deliver 4 QP Magnets	03-Aug-09	21-Jul-10	48.00	$0	0.00	$38,400	$38,400	$0	91.40
13452038M	Deliver 1st Article Quadrupoles (ARC 10/H-D Q-POLES) (IPL 534213165)		16-Oct-09	0.00	$0	0.00	$0	$0	$0	80.80
13452040M	Delivery Complete for Quadrupoles (ARC 10/H-D Q-POLES)		26-Jul-10	0.00	$0	0.00	$0	$0	$0	90.80
13452045	Mag Measurment of New Quads (ARC 10/H-D Q-POLES) Labor FY10	16-Apr-10	30-Sep-10	23.40	$40,094	19.89	$0	$40,094	$0	80.80
13452045a	Mag Measurment of New Quads (ARC 10/H-D Q-POLES) Labor FY11	01-Oct-10	07-Feb-11	16.60	$29,350	14.11	$0	$29,350	$0	80.80
13452045b	Mag Measurment of New Quads (ARC 10/H-D Q-POLES) Procurement	16-Apr-10	07-Feb-11	40.00	$0	0.00	$2,637	$2,637	$0	80.80
13452050	Completion of Quadrapole Mag Measurement FY10	01-Jul-10	30-Sep-10	12.80	$75,918	39.18	$0	$75,918	$0	50.80
13452050a	Completion of Quadrapole Mag Measurement FY11	01-Oct-10	07-Feb-11	16.60	$101,595	50.82	$0	$101,595	$0	50.80
13452055	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($60,766)	($60,766)	$0	4.00
13453010	Prcrmnt Prep for Correctors (ARC10/H-D Correctors) FY09	02-Jul-09	30-Sep-09	12.60	$2,338	1.09	$0	$2,338	$0	29.60
13453010b	Prcrmnt Prep for Correctors (ARC10/H-D Correctors) FY10	01-Oct-09	16-Dec-09	10.60	$2,031	0.91	$0	$2,031	$0	29.60
13453015M	Award Contract for Correctors (ARC10/H-D CORRECTORS)		16-Dec-09	0.00	$0	0.00	$0	$0	$0	29.60
13453020	Vend Fab Correctors (ARC10/H-D Correctors) Labor FY10	17-Dec-09	30-Sep-10	39.00	$8,608	3.74	$0	$8,608	$0	29.60
13453020a	Vend Fab Correctors (ARC10/H-D Correctors) Labor FY11	01-Oct-10	12-Jan-11	13.20	$3,006	1.26	$0	$3,006	$0	29.60
13453020b	Vend Fab Correctors (ARC10/H-D Correctors) Procurement	17-Dec-09	12-Jan-11	52.20	$0	0.00	$178,024	$178,024	$0	29.60
13453025	Delivery Complete for Correctors (ARC10/H-D CORRECTORS)		12-Jan-11	0.00	$0	0.00	$0	$0	$0	29.60
13453030	Mag Measurment of Correctors (ARC10/H-D Correctors)	13-Jan-11	08-Jul-11	24.60	$10,565	5.90	$0	$10,565	$0	29.60
1.3.4.5.4 STANDS		05-Jan-10	23-Oct-13	189.60	$216,477	97.47	$709,501	$939,738	$13,760	107.20
13454015	Prcrmnt Prep for Arc 10 Stands	01-Oct-10	13-Dec-10	10.00	$11,380	4.50	$0	$11,380	$0	143.20
13454020M	Award Arc 10 Stands		15-Mar-10	0.00	$0	0.00	$0	$0	$0	143.20
13454022LOE	Vend Fab Arc 10 Stands Oversight	15-Mar-10	28-Jun-10	15.00	$3,579	1.75	$0	$3,579	$0	143.20
13454025	Vend Fab Arc 10 Stands Phase 1	15-Mar-10	24-May-10	10.20	$0	0.00	$15,000	$15,000	$0	143.20
13454025A	Vend Fab Arc 10 Stands Phase 2	15-Mar-10	11-Jun-10	12.80	$0	0.00	$15,000	$15,000	$0	143.20
13454025B	Vend Fab Arc 10 Stands Phase 3	15-Mar-10	28-Jun-10	15.00	$0	0.00	$15,000	$15,000	$0	143.20
13454026	Receive and Inspect Arc 10 Stands	25-May-10	28-Jun-10	4.80	$4,239	2.25	$0	$4,239	$0	143.20
13454030M	Delivery Complete for Arc 10 Stands		28-Jun-10	0.00	$0	0.00	$0	$0	$0	143.20
13454031	Prcrmnt Prep for Hall D Girder Floor Plates	01-Apr-10	28-Apr-10	4.00	$790	0.30	$0	$790	$0	173.80
13454032	Vend fab Hall D Girder Floor Plates	29-Apr-10	23-Jun-10	7.80	$0	0.00	$4,100	$4,100	$0	173.80
13454035	Proc Misc Brackets & Hardware (ARC10/H-D Stands)	01-Oct-10	14-Apr-11	26.00	$12,397	5.50	$9,071	$21,467	$0	104.00
13454036	Prcrmnt Prep for Insertable Dumps (ARC10/H-D Stands)	05-Jan-11	07-Mar-11	8.40	$8,901	3.40	$0	$8,901	$0	45.80
13454040	Vend Fab Insertable Dumps (ARC10/H-D Stands)	13-Jan-12	29-Jun-12	23.40	$0	0.00	$25,740	$25,740	$0	3.40
13454042	Prcrmnt Prep for Alignment Cartridges (ARC10/H-D Stands) FY10	02-Aug-10	30-Sep-10	8.60	$3,064	1.20	$0	$3,064	$0	54.40
13454042a	Prcrmnt Prep for Alignment Cartridges (ARC10/H-D Stands) FY11	01-Oct-10	19-Nov-10	7.20	$2,648	1.00	$0	$2,648	$0	54.40
13454045	Vend Fab Alignment Cartridges (ARC10/H-D Stands)	22-Nov-10	08-Apr-11	18.00	$0	0.00	$61,738	$61,738	$0	54.40
13454047	Receive and Inspect Alignment Cartridges (ARC10/H-D Stands)	28-Mar-11	08-Apr-11	2.00	$861	0.50	$0	$861	$0	54.40
13454050	100 kW dump Modifications (ARC10/H-D Stands) Original	08-Jun-11	29-Jul-11	7.40	$7,667	3.50	$0	$7,667	$0	109.80
13454055	100 kW dump Modifications (ARC10/H-D Stands) Revised	02-Nov-11	29-Feb-12	15.20	$23,735	10.50	$22,361	$46,096	$0	81.40
13454060	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$102,434	$102,434	$0	4.00
13455010	Proc Prep For Arc 10 Girders	05-Apr-10	16-Jul-10	14.60	$27,911	13.00	$0	$27,911	$0	2.40
13455015	Proc/Vend Fab Arc 10 Griders (ARC 10/H-D Girders) (Original)	05-Jan-10	26-Feb-10	7.40	$2,039	1.05	$0	$2,039	$0	40.00
13455020	Proc/Vend Fab H-D Girders (ARC 10/H-D Girders) (Original)	05-Jan-10	26-Feb-10	7.40	$1,885	0.96	$0	$1,885	$0	40.00



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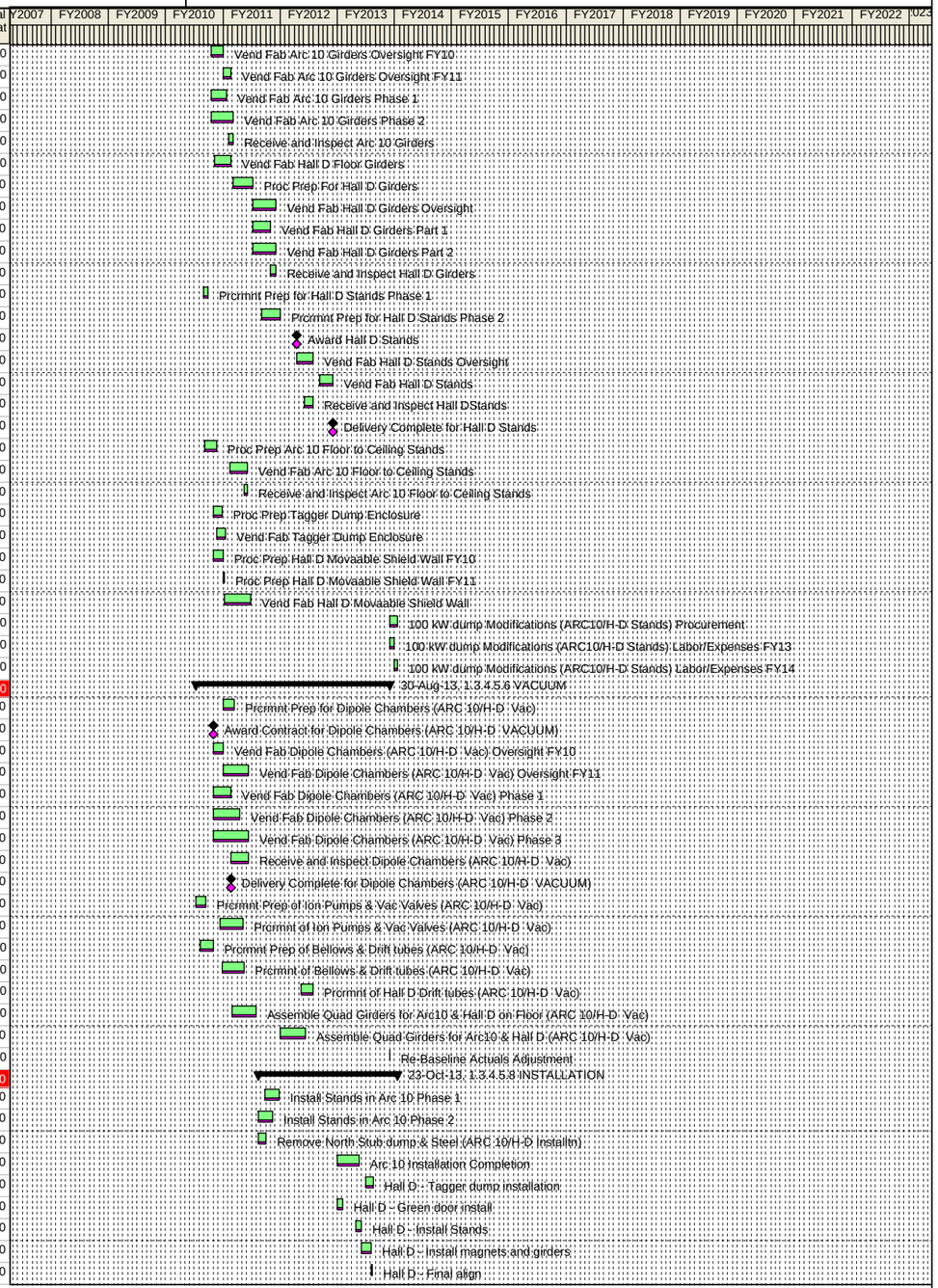
Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
13455023	Vend Fab Arc 10 Girders Oversight FY10	19-Jul-10	30-Sep-10	10.60	$3,185	1.49	$0	$3,185	$0	2.60
13455023a	Vend Fab Arc 10 Girders Oversight FY11	01-Oct-10	19-Nov-10	7.20	$2,232	1.01	$0	$2,232	$0	2.60
13455025	Vend Fab Arc 10 Girders Phase 1	19-Jul-10	22-Oct-10	13.80	$0	0.00	$92,188	$92,188	$0	2.40
13455028	Vend Fab Arc 10 Girders Phase 2	19-Jul-10	08-Dec-10	20.00	$0	0.00	$92,188	$92,188	$0	2.40
13455030	Receive and Inspect Arc 10 Girders	09-Nov-10	08-Dec-10	4.00	$3,989	2.20	$0	$3,989	$0	2.40
13455035	Vend Fab Hall D Floor Girders	09-Aug-10	24-Nov-10	15.40	$0	0.00	$34,000	$34,000	$0	2.00
13455040	Proc Prep For Hall D Girders	03-Dec-10	07-Apr-11	16.40	$7,303	3.00	$0	$7,303	$0	21.80
13455045	Vend Fab Hall D Girders Oversight	08-Apr-11	01-Sep-11	20.60	$5,519	2.50	$0	$5,519	$0	21.80
13455050	Vend Fab Hall D Girders Part 1	08-Apr-11	28-Jul-11	15.60	$0	0.00	$30,052	$30,052	$0	21.80
13455055	Vend Fab Hall D Girders Part 2	08-Apr-11	01-Sep-11	20.60	$0	0.00	$30,052	$30,052	$0	21.80
13455060	Receive and Inspect Hall D Girders	29-Jul-11	01-Sep-11	5.00	$3,128	1.70	$0	$3,128	$0	21.80
13455075	Prcrmnt Prep for Hall D Stands Phase 1	01-Jun-10	30-Jun-10	4.40	$3,539	1.50	$0	$3,539	$0	124.80
13455080	Prcrmnt Prep for Hall D Stands Phase 2	09-Jun-11	30-Sep-11	16.00	$10,955	4.50	$0	$10,955	$0	78.40
13455080M	Award Hall D Stands		17-Jan-12	0.00	$0	0.00	$0	$0	$0	64.80
13455085LOE	Vend Fab Hall D Stands Oversight	18-Jan-12	30-Apr-12	14.60	$3,811	1.75	$0	$3,811	$0	82.20
13455090	Vend Fab Hall D Stands	11-Jun-12	31-Aug-12	12.00	$0	0.00	$88,824	$88,824	$0	64.80
13455105	Receive and Inspect Hall DStands	07-Mar-12	30-Apr-12	7.80	$4,513	2.25	$0	$4,513	$0	83.20
13455110M	Delivery Complete for Hall D Stands		31-Aug-12	0.00	$0	0.00	$0	$0	$0	64.80
13455115	Proc Prep Arc 10 Floor to Ceiling Stands	04-Jun-10	23-Aug-10	11.20	$12,346	5.00	$0	$12,346	$0	110.20
13455120	Vend Fab Arc 10 Floor to Ceiling Stands	17-Nov-10	03-Mar-11	13.40	$0	0.00	$15,479	$15,479	$0	110.20
13455125	Receive and Inspect Arc 10 Floor to Ceiling Stands	17-Feb-11	03-Mar-11	2.00	$6,164	3.00	$0	$6,164	$0	110.20
13455130	Proc Prep Tagger Dump Enclosure	02-Aug-10	24-Sep-10	7.80	$12,506	6.00	$0	$12,506	$0	257.20
13455135	Vend Fab Tagger Dump Enclosure	20-Aug-10	14-Oct-10	7.80	$0	0.00	$12,000	$12,000	$0	257.20
13455140	Proc Prep Hall D Movaable Shield Wall FY10	02-Aug-10	30-Sep-10	8.60	$16,133	7.74	$0	$16,133	$0	235.80
13455140a	Proc Prep Hall D Movaable Shield Wall FY11	01-Oct-10	11-Oct-10	1.40	$2,710	1.26	$0	$2,710	$0	235.80
13455145	Vend Fab Hall D Movaable Shield Wall	12-Oct-10	28-Mar-11	22.00	$0	0.00	$41,276	$41,276	$0	235.80
23454055	100 kW dump Modifications (ARC10/H-D Stands) Procurement	03-Sep-13	23-Oct-13	7.40	$0	0.00	$2,999	$2,999	$0	2.60
23454055a	100 kW dump Modifications (ARC10/H-D Stands) Labor/Expenses FY13	03-Sep-13	30-Sep-13	4.00	$3,972	1.70	$0	$11,410	$7,438	2.60
23454055b	100 kW dump Modifications (ARC10/H-D Stands) Labor/Expenses FY14	01-Oct-13	23-Oct-13	3.40	$3,376	1.45	$0	$9,698	$6,322	2.60
1.3.4.5.6 VACUUM		14-Apr-10	30-Aug-13	168.40	$93,024	46.75	$382,854	$475,877	$0	4.00
13456015	Prcrmnt Prep for Dipole Chambers (ARC 10/H-D Vac)	01-Oct-10	13-Dec-10	10.00	$9,088	3.50	$0	$9,088	$0	46.40
13456020M	Award Contract for Dipole Chambers (ARC 10/H-D VACUUM)		30-Jul-10	0.00	$0	0.00	$0	$0	$0	46.40
13456022LOE	Vend Fab Dipole Chambers (ARC 10/H-D Vac) Oversight FY10	30-Jul-10	30-Sep-10	8.80	$2,076	0.88	$0	$2,076	$0	58.40
13456022LOI	Vend Fab Dipole Chambers (ARC 10/H-D Vac) Oversight FY11	01-Oct-10	11-Mar-11	21.20	$5,161	2.12	$0	$5,161	$0	58.40
13456025	Vend Fab Dipole Chambers (ARC 10/H-D Vac) Phase 1	30-Jul-10	19-Nov-10	16.00	$0	0.00	$33,879	$33,879	$0	46.40
13456027	Vend Fab Dipole Chambers (ARC 10/H-D Vac) Phase 2	30-Jul-10	14-Jan-11	22.40	$0	0.00	$33,879	$33,879	$0	58.40
13456028	Vend Fab Dipole Chambers (ARC 10/H-D Vac) Phase 3	30-Jul-10	11-Mar-11	30.00	$0	0.00	$33,879	$33,879	$0	58.40
13456029	Receive and Inspect Dipole Chambers (ARC 10/H-D Vac)	22-Nov-10	11-Mar-11	14.00	$4,805	2.50	$0	$4,805	$0	58.40
13456030M	Delivery Complete for Dipole Chambers (ARC 10/H-D VACUUM)		19-Nov-10	0.00	$0	0.00	$0	$0	$0	46.40
13456032	Prcrmnt Prep of Ion Pumps & Vac Valves (ARC 10/H-D Vac)	14-Apr-10	15-Jun-10	8.80	$7,078	3.00	$0	$7,078	$0	50.80
13456035	Prcrmnt of Ion Pumps & Vac Valves (ARC 10/H-D Vac)	10-Sep-10	07-Feb-11	19.60	$0	0.00	$105,923	$105,923	$0	50.80
13456037	Prcrmnt Prep of Bellows & Drift tubes (ARC 10/H-D Vac)	11-May-10	02-Aug-10	11.60	$7,982	3.50	$0	$7,982	$0	1.80
13456040	Prcrmnt of Bellows & Drift tubes (ARC 10/H-D Vac)	29-Sep-10	16-Feb-11	18.40	$0	0.00	$59,935	$59,935	$0	1.80
13456042	Prcrmnt of Hall D Drift tubes (ARC 10/H-D Vac)	16-Feb-12	30-Apr-12	10.40	$0	0.00	$37,269	$37,269	$0	1.80
13456045	Assemble Quad Girders for Arc10 & Hall D on Floor (ARC 10/H-D Vac)	30-Nov-10	29-Apr-11	20.20	$38,252	21.50	$23,811	$62,063	$0	1.80
13456047	Assemble Quad Girders for Arc10 & Hall D (ARC 10/H-D Vac)	06-Oct-11	08-Mar-12	20.20	$18,583	9.75	$2,340	$20,923	$0	17.20
13456050	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$51,938	$51,938	$0	4.00
1.3.4.5.8 INSTALLATION		13-May-11	23-Oct-13	122.00	$316,937	156.25	$132,124	$449,061	$0	22.60
13458010	Install Stands in Arc 10 Phase 1	27-Jun-11	27-Sep-11	13.00	$5,466	2.90	$440	$5,906	$0	94.00
13458012	Install Stands in Arc 10 Phase 2	17-May-11	16-Aug-11	12.80	$15,783	8.40	$0	$15,783	$0	99.80
13458030	Remove North Stub dump & Steel (ARC 10/H-D Installtn)	13-May-11	01-Jul-11	7.00	$0	0.00	$0	$0	$0	109.80
13458040	Arc 10 Installation Completion	01-Oct-12	14-Feb-13	18.00	$42,840	21.10	$0	$42,840	$0	26.00
13458045	Hall D - Tagger dump installation	04-Apr-13	17-May-13	6.40	$48,690	24.00	$0	$48,690	$0	16.40
13458050	Hall D - Green door install	01-Oct-12	02-Nov-12	5.00	$18,862	9.30	$0	$18,862	$0	70.60
13458055	Hall D - Install Stands	30-Jan-13	01-Mar-13	4.40	$30,195	14.90	$0	$30,195	$0	45.40
13458060	Hall D - Install magnets and girders	04-Mar-13	06-May-13	9.20	$57,609	28.40	$0	$57,609	$0	45.40
13458065	Hall D - Final align	07-May-13	13-May-13	1.00	$0	0.00	$0	$0	$0	45.40



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Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
13458070	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$131,685	$131,685	$0	4.00
23458040	Arc 10 Installation Completion FY13	03-Sep-13	30-Sep-13	4.00	$21,274	10.13	$0	$21,274	$0	6.20
23458040a	Arc 10 Installation Completion FY14	01-Oct-13	14-Oct-13	2.00	$10,637	5.07	$0	$10,637	$0	6.20
23458045	Hall D - Tagger dump installation FY13	25-Sep-13	30-Sep-13	0.80	$9,842	4.81	$0	$9,842	$0	18.00
23458045a	Hall D - Tagger dump installation FY14	01-Oct-13	23-Oct-13	3.40	$41,829	20.44	$0	$41,829	$0	18.00
23458060	Hall D - Install magnets and girders FY13	03-Sep-13	30-Sep-13	4.00	$6,313	3.08	$0	$6,313	$0	7.00
23458060a	Hall D - Install magnets and girders FY14	01-Oct-13	03-Oct-13	0.60	$947	0.46	$0	$947	$0	7.00
23458065	Hall D - Final align FY13	25-Sep-13	30-Sep-13	0.80	$5,321	2.60	$0	$5,321	$0	7.00
23458065a	Hall D - Final align FY14	01-Oct-13	01-Oct-13	0.20	$1,330	0.65	$0	$1,330	$0	7.00
1.3.4.6 EXTRACTION		01-Apr-11	09-Oct-13	126.00	$353,030	165.58	$260,941	$619,275	$5,304	5.00
1.3.4.6.1 LAMBERTSON		01-Apr-11	30-Aug-13	120.60	$37,188	16.03	($16,341)	$22,603	$1,756	10.40
13461000	Proc Coil Packs for Lambertson LABOR (LAMBERTSON)	05-Jan-12	05-Apr-12	12.80	$12,707	5.00	$0	$12,707	$0	76.60
13461005	Proc Coil Packs for Lambertson MATL (LAMBERTSON)	05-Jan-12	05-Apr-12	12.80	$0	0.00	$36,855	$36,855	$0	76.60
13461010	Machine Lambertson Mag Iron LABOR (LAMBERTSON)	05-Jan-12	19-Jan-12	2.00	$7,097	3.00	$0	$7,097	$0	90.20
13461015	Machine Lambertson Mag Iron MATL (LAMBERTSON)	03-Oct-11	21-Dec-11	11.20	$0	0.00	$7,020	$7,020	$0	90.20
13461020	Lambertson Mag measurements (LAMBERTSON)	15-Nov-12	21-Nov-12	1.00	$3,282	1.50	$0	$3,282	$0	46.40
13461025	Install Lambertson Coil pack (LAMBERTSON)	08-Nov-12	14-Nov-12	1.00	$10,386	5.00	$0	$10,386	$0	46.40
13461035	Install New Lambertson MATL (LAMBERTSON)	26-Nov-12	30-Nov-12	1.00	$0	0.00	$6,882	$6,882	$0	46.40
13461040	Test New Lambertson (LAMBERTSON)	03-Dec-12	07-Dec-12	1.00	$911	0.50	$0	$911	$0	46.40
13461045M	Ready for Beam Commssng (LAMBERTSON)		07-Dec-12	0.00	$0	0.00	$0	$0	$0	46.40
13461050LOE	FY11 Engrng Oversight (LAMBERTSON)	01-Apr-11	30-Sep-11	25.60	$2,806	1.03	$0	$4,561	$1,756	4.00
13461055	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($67,098)	($67,098)	$0	4.00
1.3.4.6.2 CHICANE		01-Apr-11	30-Aug-13	120.60	$17,446	7.43	($9,920)	$9,867	$2,341	4.00
13462000	Fab Dipole Magnets (CHICANE) Original Labor FY11	01-Apr-11	30-Sep-11	25.60	$6,610	2.67	$0	$6,610	$0	46.60
13462000a	Fab Dipole Magnets (CHICANE) Original Labor FY12	03-Oct-11	08-Feb-12	16.80	$4,476	1.76	$0	$4,476	$0	46.60
13462005	Measure Dipole Magnets (CHICANE) (IPL 534213060 and 534213120)	09-Feb-12	10-May-12	13.00	$6,360	3.00	$0	$6,360	$0	46.60
13462010M	Extraction Dipoles Ready for Installtn (CHICANE)		10-May-12	0.00	$0	0.00	$0	$0	$0	46.60
13462015LOE	FY11 Mech Eng/Dsgner Oversight (CHICANE)	01-Apr-11	30-Sep-11	25.60	$0	0.00	$0	$2,341	$2,341	4.00
13462020	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($9,920)	($9,920)	$0	4.00
1.3.4.6.3 STANDS		03-Jan-12	09-Oct-13	88.80	$298,395	142.12	$287,202	$586,805	$1,208	4.60
13463000	Insp Matls (Stands)	13-Apr-12	03-May-12	3.00	$1,179	0.59	$0	$1,179	$0	34.60
13463005	Fab Stands LABOR (Stands)	03-Jan-12	03-May-12	17.20	$473	0.20	$0	$473	$0	34.60
13463010	Fab Stands MATL (Stands) Frozen Per CR12-039	03-Jan-12	30-Apr-12	16.60	$0	0.00	$16,908	$16,908	$0	35.20
13463012	Reverse Entry Per CR12-039	01-May-12	03-May-12	0.60	$0	0.00	($16,908)	($16,908)	$0	20.60
13463013	Fab Stands MATL (Stands) Revised Per CR12-039	01-May-12	03-May-12	0.60	$0	0.00	$15,926	$15,926	$0	34.60
13463015	Extraction - Remove	15-Aug-12	28-Sep-12	6.40	$75,305	34.10	$0	$75,305	$0	20.40
13463020	Install Stands MATL (Stands)	15-Nov-12	18-Dec-12	4.40	$0	0.00	$4,709	$4,709	$0	20.40
13463025	Extraction - Install stands	15-Nov-12	18-Dec-12	4.40	$27,781	13.70	$0	$27,781	$0	20.40
13463030	Install Septa & Dipoles MATL (Stands)	19-Dec-12	27-Feb-13	8.60	$0	0.00	$10,262	$10,262	$0	20.40
13463035	Extraction - Upstairs FY12	31-Aug-12	28-Sep-12	4.00	$35,258	16.65	$0	$35,258	$0	28.00
13463035a	Extraction - Upstairs FY13	01-Oct-12	23-Oct-12	3.40	$30,927	14.15	$0	$30,927	$0	28.00
13463045	Extraction - Install magnets and girders	19-Dec-12	27-Feb-13	8.60	$67,918	33.50	$0	$67,918	$0	20.40
13463045LOE	FY12 Mech Eng/Dsgner Oversight (Stands)	05-Jan-12	28-Sep-12	37.40	$0	0.00	$0	$1,208	$1,208	4.00
13463050	Extraction - Final align	19-Jun-13	26-Jun-13	1.20	$14,769	7.30	$0	$14,769	$0	4.80
13463055	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$256,305	$256,305	$0	4.00
23463035a	Extraction - Upstairs	03-Sep-13	10-Sep-13	1.20	$1,883	0.92	$0	$1,883	$0	8.80
23463045	Extraction - Install magnets and girders	03-Sep-13	23-Sep-13	3.00	$27,554	13.52	$0	$27,554	$0	0.40
23463050	Extraction - Final align FY13	24-Sep-13	30-Sep-13	1.00	$6,395	3.13	$0	$6,395	$0	0.40
23463050a	Extraction - Final align FY14	01-Oct-13	09-Oct-13	1.40	$8,953	4.38	$0	$8,953	$0	0.40
1.3.5 EXTRACTION		02-Jan-09	30-Aug-13	232.00	$283,872	123.77	$236,434	$544,254	$23,947	6.00
1.3.5.1 CAVITIES		02-Jan-09	30-Aug-13	232.00	$132,712	53.99	$156,007	$295,405	$6,686	4.00
1351016	Proc Separator Cavity Matls & subassemblies LABOR (Cavities)	01-Dec-11	02-Mar-12	11.80	$4,255	1.70	$0	$4,255	$0	46.00
1351016a	Proc Separator Cavity Matls & subassemblies MATERIALS (Cavities)	01-Dec-11	02-Mar-12	11.80	$0	0.00	$62,010	$62,010	$0	46.00
1351018	Fab fixturing Assys for Fab (Cavities)	01-Oct-10	21-Oct-10	3.00	$861	0.50	$0	$861	$0	117.60
1351040	Assy of Separator Cavities (Cavities)	09-Apr-12	19-Jun-12	10.00	$7,091	3.70	$5,288	$12,379	$0	46.00
1351055	Test Separator Cavities	20-Jun-12	21-Aug-12	9.00	$6,010	2.80	$0	$6,010	$0	46.00
1351065	Installtn of Separator Cavities (Cavities) FY12	06-Sep-12	28-Sep-12	3.40	$8,293	4.42	$0	$8,293	$0	46.00
1351065a	Installtn of Separator Cavities (Cavities) FY13	01-Oct-12	10-Oct-12	1.60	$4,027	2.08	$0	$4,027	$0	46.00

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Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
1351080	RF Characterization of Installed Separator Cavities (Cavities)	11-Oct-12	24-Oct-12	2.00	$7,969	3.30	$0	$7,969	$0	46.00
1351909LOE	FY09 Mngmnt Oversight (Cavities)	02-Jan-09	30-Sep-09	37.80	$27,229	10.59	$0	$30,069	$2,840	4.00
1351910LOE	FY10 Mngmnt Oversight (Cavities)	01-Oct-09	30-Sep-10	49.60	$36,868	13.90	$0	$40,714	$3,846	4.00
1351911LOE	FY11 Mngmnt Oversight (Cavities)	01-Oct-10	30-Sep-11	49.60	$30,109	11.00	$0	$30,109	$0	4.00
1351950	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$88,708	$88,708	$0	4.00
1.3.5.2 RF COMPONENTS		05-Jan-12	30-Aug-13	83.00	$44,141	22.90	$124,114	$168,255	$0	6.00
1352005	Proc RF Components LABOR (RF Compnts)	05-Jan-12	01-May-12	16.40	$6,863	3.00	$0	$6,863	$0	55.60
1352005a	Proc RF Components MATERIAL (RF Compnts)	05-Jan-12	01-May-12	16.40	$0	0.00	$104,131	$104,131	$0	55.60
1352020	Install RF Components (RF Compnts)	14-May-12	18-Jul-12	9.20	$22,807	12.90	$0	$22,807	$0	54.00
1352035	Characterize Sys losses (RF Compnts)	19-Jul-12	12-Sep-12	7.80	$14,471	7.00	$0	$14,471	$0	54.00
1352040	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$19,983	$19,983	$0	4.00
1.3.5.3 RESONANCE CONTROL		05-Jan-12	30-Aug-13	83.00	$55,678	25.30	($2,219)	$53,460	$0	6.00
1353005	Procure Resonance Control LABOR (RESONANCE Control)	05-Jan-12	02-Apr-12	12.20	$8,676	3.70	$0	$8,676	$0	69.00
1353005a	Procure Resonance Control MATERIAL (RESONANCE Control)	05-Jan-12	02-Apr-12	12.20	$0	0.00	$36,095	$36,095	$0	69.00
1353020	Assemble Heater Units (RESONANCE Control)	03-Apr-12	11-May-12	5.80	$7,682	4.30	$0	$7,682	$0	69.00
1353040	Modify Control Chassis (RESONANCE Control)	03-Apr-12	11-May-12	5.80	$10,499	4.00	$0	$10,499	$0	69.00
1353070	Install Control Valves (RESONANCE Control)	03-Apr-12	01-May-12	4.20	$1,771	1.00	$0	$1,771	$0	70.60
1353085	Move 5th pass Controls/Rack (RESONANCE Control)	19-Jan-12	01-Mar-12	6.00	$4,432	2.50	$0	$4,432	$0	79.20
1353095	Sys Testing (RESONANCE Control)	25-Oct-12	07-Nov-12	2.00	$22,618	9.80	$0	$22,618	$0	46.00
1353100	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($38,314)	($38,314)	$0	4.00
1.3.5.4 LAMBERTSON		02-Jan-09	30-Aug-13	232.00	$11,789	4.49	($16,873)	$2,292	$7,377	4.00
1354909LOE	FY09 Engrng Oversight (LAMBERTSON)	02-Jan-09	30-Sep-09	37.80	$3,890	1.52	$0	$6,325	$2,434	29.60
1354910LOE	FY10 Engrng Oversight (LAMBERTSON)	01-Oct-09	30-Sep-10	49.60	$5,268	2.00	$0	$8,564	$3,296	29.60
1354911LOE	FY11 Engrng Oversight (LAMBERTSON)	01-Oct-10	31-Mar-11	24.00	$2,630	0.97	$0	$4,276	$1,646	29.60
1354950	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($16,873)	($16,873)	$0	4.00
1.3.5.5 CHICANE		01-Oct-09	30-Aug-13	194.20	$30,988	13.67	($37,578)	$0	$6,590	4.00
1355016	Proc Septa Mag Iron & Coil Packs (CHICANE)	05-Jan-10	07-Apr-10	13.00	$7,982	3.50	$0	$7,982	$0	148.60
1355018	Insp Septa Matls (CHICANE)	08-Apr-10	21-Apr-10	2.00	$1,098	0.60	$0	$1,098	$0	148.60
1355022	Measure Septa Magnets (CHICANE)	01-Dec-11	12-Mar-12	13.00	$3,180	1.50	$0	$3,180	$0	55.20
1355025M	Extraction Septas Ready for Installtn (CHICANE)		12-Mar-12	0.00	$0	0.00	$0	$0	$0	55.20
1355030	Proc Dipole Mag Iron & Coil Packs (CHICANE)	05-Jan-10	07-Apr-10	13.00	$5,777	2.60	$0	$5,777	$0	46.60
1355035	Insp Dipole Matls (CHICANE)	08-Apr-10	21-Apr-10	2.00	$1,098	0.60	$0	$1,098	$0	46.60
1355040	Fab Dipole Magnets (CHICANE) Original Labor FY10	22-Apr-10	30-Sep-10	22.60	$5,655	2.36	$0	$5,655	$0	46.60
1355040a	Fab Dipole Magnets (CHICANE) Original Labor FY11	01-Oct-10	31-Mar-11	24.00	$6,197	2.51	$0	$6,197	$0	46.60
1355910LOE	FY10 Mech Eng/Dsgner Oversight (CHICANE)	01-Oct-09	30-Sep-10	49.60	$0	0.00	$0	$4,395	$4,395	29.60
1355911LOE	FY11 Mech Eng/Dsgner Oversight (CHICANE)	01-Oct-10	31-Mar-11	24.00	$0	0.00	$0	$2,195	$2,195	29.60
1355950	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($37,578)	($37,578)	$0	4.00
1.3.5.6 STANDS		01-Oct-09	30-Aug-13	194.20	$8,564	3.42	$12,983	$24,843	$3,295	4.00
1356018	Proc Stands Matls (Stands)	07-Dec-10	16-Mar-11	12.80	$7,168	2.70	$12,812	$19,981	$0	86.00
1356020	Insp Matls (Stands)	17-Mar-11	31-Mar-11	2.20	$1,396	0.72	$0	$1,396	$0	86.00
1356910LOE	FY10 Mech Eng/Dsgner Oversight (Stands)	01-Oct-09	30-Sep-10	49.60	$0	0.00	$0	$2,198	$2,198	29.60
1356911LOE	FY11 Mech Eng/Dsgner Oversight (Stands)	01-Oct-10	31-Mar-11	24.00	$0	0.00	$0	$1,097	$1,097	29.60
1356950	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$171	$171	$0	4.00
1.3.6 INSTRUMENTATION/CONTROLS/SAFETY SYS		02-Jan-09	31-Oct-14	290.20	$3,720,786	1608.52	$3,003,279	$7,062,764	$338,699	6.60
1.3.6.1 BEAM DIAGNOSTICS		02-Jan-09	31-Oct-14	290.20	$1,397,896	593.86	$1,419,146	$2,877,371	$60,329	4.00
1.3.6.1.1 BPM'S		02-Jan-09	31-Oct-14	290.20	$1,027,298	440.84	$890,317	$1,934,384	$16,768	4.00
13611014	Labor - SEE BPMs CANS Accelerator	05-Nov-10	11-Jan-11	8.00	$1,505	0.70	$0	$1,505	$0	111.40
13611014A	Prcrmnt - SEE BPMs CANS Accelerator	01-Dec-10	31-May-11	24.20	$0	0.00	$155,018	$155,018	$0	110.20
13611014Aa	Testing - SEE BPM Compnts CANS Accelerator	01-Mar-11	01-Jun-11	13.20	$6,076	2.90	$0	$6,076	$0	110.20
13611014Ab	Labor - SEE BPMs CANS Hall D	02-May-11	13-May-11	2.00	$1,505	0.70	$0	$1,505	$0	93.00
13611014Ac	Prcrmnt - SEE BPMs CANS Hall D	02-May-11	30-Sep-11	21.40	$0	0.00	$72,000	$72,000	$0	93.00
13611014Ad	Testing - SEE BPM Compnts CANS Hall D FY11	16-Jun-11	30-Sep-11	15.00	$3,950	2.07	$0	$3,950	$0	93.00
13611014Ada	Testing - SEE BPM Compnts CANS Hall D FY12	03-Oct-11	03-Oct-11	0.20	$54	0.03	$0	$54	$0	93.00
13611014Af	RF Receiver - First Article Unit SEE BPM	01-Feb-12	10-Apr-12	9.80	$27,660	9.80	$0	$27,660	$0	34.40
13611014Ag	Digital IF - First Article Unit SEE BPM	01-Feb-12	10-Apr-12	9.80	$27,660	9.80	$0	$27,660	$0	34.40
13611014Ah	RF Receiver Enclosure - First Article Unit SEE BPM	11-Apr-12	17-Jul-12	13.60	$62,391	27.20	$0	$62,391	$0	34.40
13611014B	Procurement Labor - SEE BPMs ELECTRONICS	01-Feb-13	22-Apr-13	11.20	$28,404	12.00	$0	$28,404	$0	4.00
13611014C	Prcrmnt - SEE BPMs ELECTRONICS	01-Feb-13	18-Jul-13	23.40	$0	0.00	$175,423	$175,423	$0	5.40

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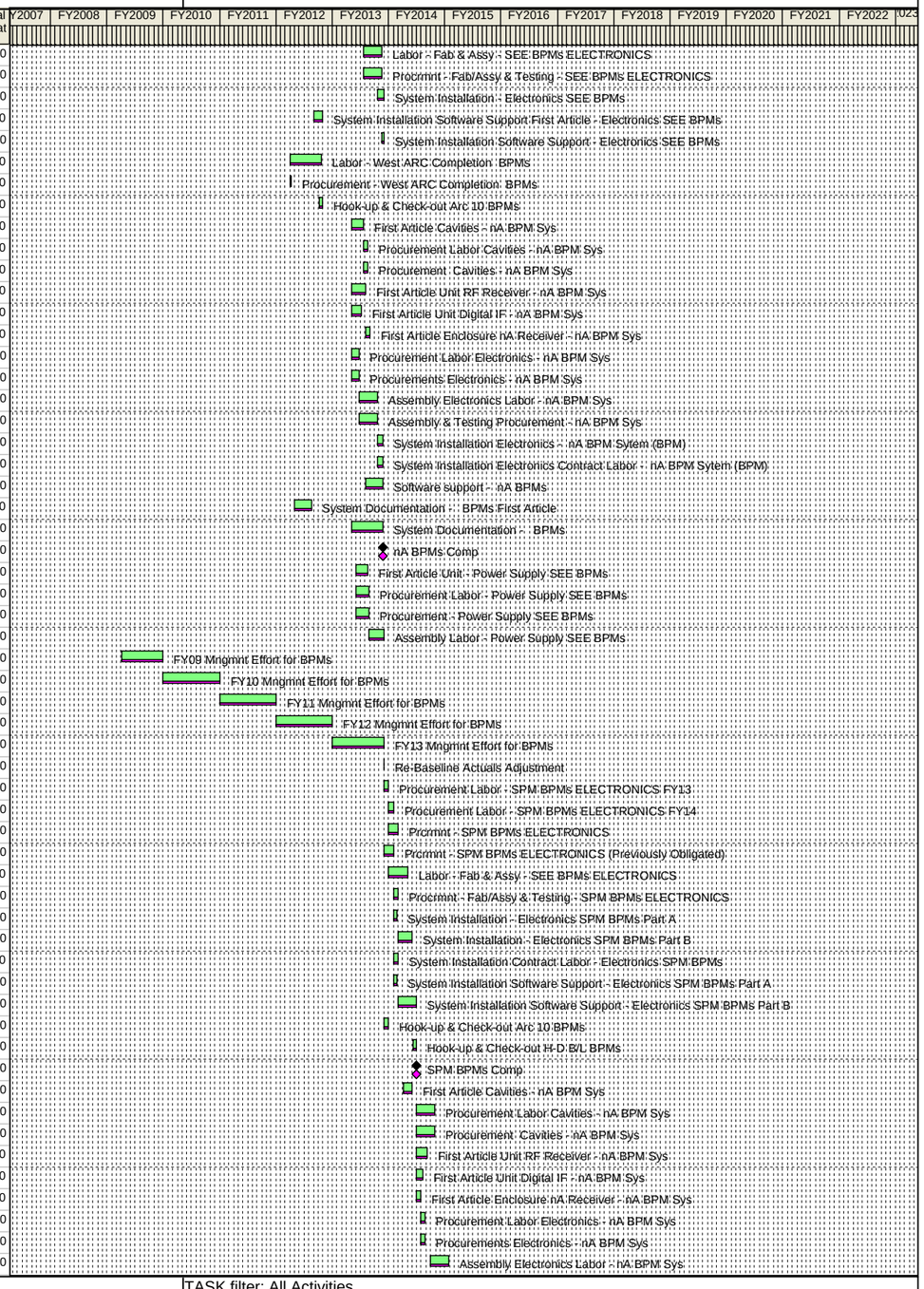
Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
13611015A	Labor - Fab & Assy - SEE BPMs ELECTRONICS	23-Apr-13	19-Aug-13	16.60	$78,584	33.20	$0	$78,584	$0	4.00
13611015B	Procrmnt - Fab/Assy & Testing - SEE BPMs ELECTRONICS	23-Apr-13	19-Aug-13	16.60	$0	0.00	$77,393	$77,393	$0	4.00
13611025	System Installation - Electronics SEE BPMs	23-Jul-13	30-Aug-13	5.80	$10,565	5.80	$0	$10,565	$0	4.00
13611025b	System Installation Software Support First Article - Electronics SEE BPMs	06-Jun-12	31-Jul-12	8.00	$20,998	8.00	$0	$20,998	$0	56.20
13611025c	System Installation Software Support - Electronics SEE BPMs	20-Aug-13	30-Aug-13	1.80	$4,875	1.80	$0	$4,875	$0	4.00
13611026	Labor - West ARC Completion BPMs	05-Jan-12	24-Jul-12	28.00	$49,426	28.00	$0	$49,426	$0	55.80
13611026a	Procurement - West ARC Completion BPMs	05-Jan-12	11-Jan-12	1.00	$0	0.00	$8,000	$8,000	$0	80.80
13611026b	Hook-up & Check-out Arc 10 BPMs	11-Jul-12	31-Jul-12	3.00	$8,780	4.00	$0	$8,780	$0	55.80
13611036	First Article Cavities - nA BPM Sys	01-Feb-13	24-Apr-13	11.60	$44,790	17.60	$0	$44,790	$0	15.00
13611037	Procurement Labor Cavities - nA BPM Sys	25-Apr-13	22-May-13	4.00	$7,312	4.00	$0	$7,312	$0	15.00
13611037a	Procurement Cavities - nA BPM Sys	25-Apr-13	22-May-13	4.00	$0	0.00	$136,211	$136,211	$0	15.00
13611038	First Article Unit RF Receiver - nA BPM Sys	01-Feb-13	08-May-13	13.60	$29,124	10.00	$0	$29,124	$0	13.20
13611038a	First Article Unit Digital IF - nA BPM Sys	01-Feb-13	10-Apr-13	9.60	$23,299	8.00	$0	$23,299	$0	17.20
13611038b	First Article Enclosure nA Receiver - nA BPM Sys	09-May-13	05-Jun-13	3.80	$12,747	5.80	$0	$12,747	$0	13.20
13611039	Procurement Labor Electronics - nA BPM Sys	01-Feb-13	27-Mar-13	7.60	$22,581	10.60	$0	$22,581	$0	6.60
13611040	Procurements Electronics - nA BPM Sys	01-Feb-13	27-Mar-13	7.60	$0	0.00	$40,760	$40,760	$0	6.60
13611045	Assembly Electronics Labor - nA BPM Sys	27-Mar-13	23-Jul-13	16.60	$24,041	12.00	$0	$24,041	$0	6.60
13611050	Assembly & Testing Procurement - nA BPM Sys	27-Mar-13	23-Jul-13	16.60	$0	0.00	$8,255	$8,255	$0	6.60
13611055	System Installation Electronics - nA BPM Sytem (BPM)	24-Jul-13	27-Aug-13	5.00	$9,108	5.00	$0	$9,108	$0	6.60
13611055a	System Installation Electronics Contract Labor - nA BPM Sytem (BPM)	24-Jul-13	27-Aug-13	5.00	$0	0.00	$16,510	$16,510	$0	6.60
13611060	Software support - nA BPMs	06-May-13	27-Aug-13	16.00	$43,334	16.00	$0	$43,334	$0	6.60
13611065	System Documentation - BPMs First Article	01-Feb-12	23-May-12	16.00	$25,053	12.40	$0	$25,053	$0	64.40
13611065a	System Documentation - BPMs	01-Feb-13	27-Aug-13	29.00	$38,777	18.60	$0	$38,777	$0	6.60
13611065M	nA BPMs Comp		27-Aug-13	0.00	$0	0.00	$0	$0	$0	6.60
13611070	First Article Unit - Power Supply SEE BPMs	04-Mar-13	16-May-13	10.80	$28,404	12.00	$0	$28,404	$0	4.00
13611075	Procurement Labor - Power Supply SEE BPMs	04-Mar-13	24-May-13	12.00	$9,108	5.00	$0	$9,108	$0	4.00
13611080	Procurement - Power Supply SEE BPMs	04-Mar-13	24-May-13	12.00	$0	0.00	$30,441	$30,441	$0	4.00
13611085	Assembly Labor - Power Supply SEE BPMs	28-May-13	30-Aug-13	13.60	$24,774	13.60	$0	$24,774	$0	4.00
13611909LOE	FY09 Mngmnt Effort for BPMs	02-Jan-09	30-Sep-09	37.80	$627	0.15	$0	$627	$0	4.00
13611910LOE	FY10 Mngmnt Effort for BPMs	01-Oct-09	30-Sep-10	49.60	$849	0.20	$0	$849	$0	4.00
13611911LOE	FY11 Mngmnt Effort for BPMs	01-Oct-10	30-Sep-11	49.60	$9,637	2.20	$0	$9,637	$0	4.00
13611912LOE	FY12 Mngmnt Effort for BPMs	03-Oct-11	28-Sep-12	49.40	$9,944	2.20	$0	$9,944	$0	4.00
13611913LOE	FY13 Mngmnt Effort for BPMs	01-Oct-12	30-Aug-13	45.60	$9,433	2.02	$0	$9,433	$0	4.00
13611950	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($187,365)	($187,365)	$0	4.00
23611014B	Procurement Labor - SPM BPMs ELECTRONICS FY13	03-Sep-13	30-Sep-13	4.00	$3,055	1.29	$0	$3,055	$0	8.70
23611014Ba	Procurement Labor - SPM BPMs ELECTRONICS FY14	01-Oct-13	01-Nov-13	4.70	$3,513	1.48	$0	$3,513	$0	8.70
23611014D	Prcrmnt - SPM BPMs ELECTRONICS	01-Oct-13	02-Dec-13	8.60	$0	0.00	$35,148	$35,148	$0	4.80
23611014D5	Prcrmnt - SPM BPMs ELECTRONICS (Previously Obligated)	03-Sep-13	31-Oct-13	8.60	$0	0.00	$13,621	$13,621	$0	8.80
23611015A	Labor - Fab & Assy - SEE BPMs ELECTRONICS	01-Oct-13	30-Jan-14	15.40	$47,151	19.92	$0	$47,151	$0	10.60
23611015B	Procrmnt - Fab/Assy & Testing - SPM BPMs ELECTRONICS	01-Nov-13	02-Dec-13	4.00	$0	0.00	$54,175	$54,175	$0	4.80
23611025	System Installation - Electronics SPM BPMs Part A	01-Nov-13	27-Nov-13	3.80	$2,202	1.21	$0	$2,202	$0	5.80
23611025a	System Installation - Electronics SPM BPMs Part B	02-Dec-13	04-Mar-14	11.60	$5,715	3.14	$0	$5,715	$0	5.80
23611025b	System Installation Contract Labor - Electronics SPM BPMs	01-Nov-13	02-Dec-13	4.00	$0	0.00	$0	$16,768	$16,768	17.20
23611025c	System Installation Software Support - Electronics SPM BPMs Part A	01-Nov-13	27-Nov-13	3.80	$5,199	1.92	$0	$5,199	$0	4.80
23611025ca	System Installation Software Support - Electronics SPM BPMs Part B	02-Dec-13	01-Apr-14	15.60	$18,142	6.70	$0	$18,142	$0	4.80
23611026b	Hook-up & Check-out Arc 10 BPMs	03-Sep-13	30-Sep-13	4.00	$6,342	2.80	$0	$6,342	$0	0.80
23611027	Hook-up & Check-out H-D B/L BPMs	12-Mar-14	01-Apr-14	3.00	$7,701	3.40	$0	$7,701	$0	4.80
23611035M	SPM BPMs Comp		01-Apr-14	0.00	$0	0.00	$0	$0	$0	4.80
23611036	First Article Cavities - nA BPM Sys	07-Jan-14	03-Mar-14	7.80	$38,991	13.43	$0	$38,991	$0	4.60
23611037	Procurement Labor Cavities - nA BPM Sys	31-Mar-14	24-Jul-14	16.40	$6,215	3.40	$0	$6,215	$0	4.60
23611037a	Procurement Cavities - nA BPM Sys	31-Mar-14	24-Jul-14	16.40	$0	0.00	$175,279	$175,279	$0	4.60
23611038	First Article Unit RF Receiver - nA BPM Sys	31-Mar-14	06-Jun-14	9.80	$17,838	6.13	$0	$17,838	$0	17.20
23611038a	First Article Unit Digital IF - nA BPM Sys	31-Mar-14	08-May-14	5.80	$11,965	4.11	$0	$11,965	$0	17.20
23611038b	First Article Enclosure nA Receiver - nA BPM Sys	31-Mar-14	24-Apr-14	3.80	$10,835	4.93	$0	$10,835	$0	17.20
23611039	Procurement Labor Electronics - nA BPM Sys	01-May-14	28-May-14	3.80	$9,597	4.51	$0	$9,597	$0	4.00
23611040	Procurements Electronics - nA BPM Sys	01-May-14	28-May-14	3.80	$0	0.00	$34,646	$34,646	$0	4.00
23611045	Assembly Electronics Labor - nA BPM Sys	30-Jun-14	24-Oct-14	16.60	$20,435	10.20	$0	$20,435	$0	4.00



Primary Baseline | Remaining Work | Baseline Milestone
Actual Work | Critical Remaining Work | Milestone

TASK filter: All Activities

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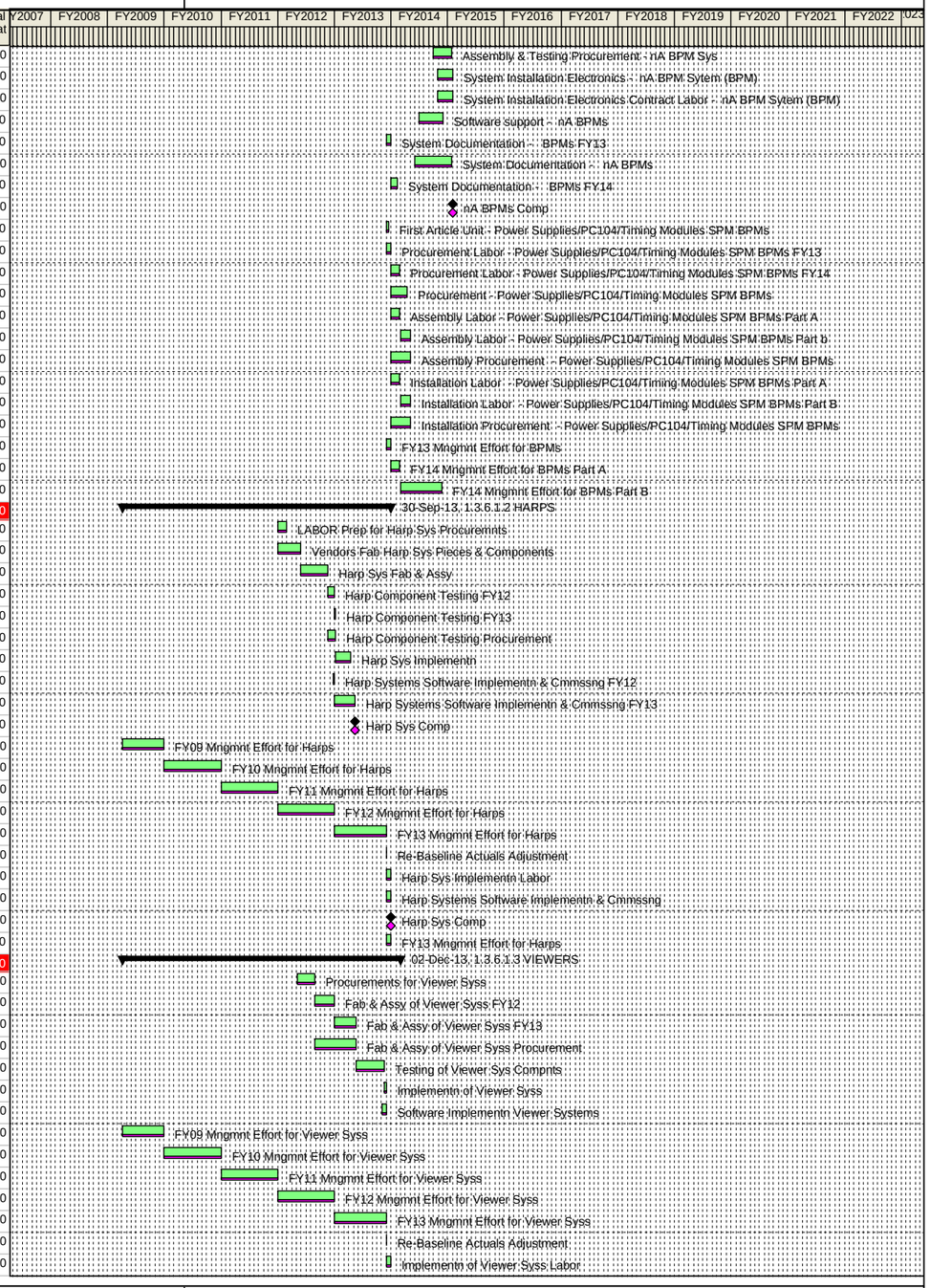
Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
23611050	Assembly & Testing Procurement - nA BPM Sys	30-Jun-14	24-Oct-14	16.60	$0	0.00	$7,017	$7,017	$0	4.00
23611055	System Installation Electronics - nA BPM Sytem (BPM)	30-Jul-14	31-Oct-14	13.40	$7,742	4.25	$0	$7,742	$0	4.00
23611055a	System Installation Electronics Contract Labor - nA BPM Sytem (BPM)	30-Jul-14	31-Oct-14	13.40	$0	0.00	$14,034	$14,034	$0	4.00
23611060	Software support - nA BPMs	31-Mar-14	28-Aug-14	21.40	$36,834	13.60	$0	$36,834	$0	13.00
23611065a	System Documentation - BPMs FY13	03-Sep-13	30-Sep-13	4.00	$2,867	1.38	$0	$2,867	$0	52.40
23611065a5	System Documentation - nA BPMs	04-Mar-14	27-Oct-14	33.40	$9,144	4.39	$0	$9,144	$0	4.80
23611065aa	System Documentation - BPMs FY14	01-Oct-13	07-Nov-13	5.60	$4,013	1.93	$0	$4,013	$0	52.40
23611065M	nA BPMs Comp		31-Oct-14	0.00	$0	0.00	$0	$0	$0	4.00
23611070	First Article Unit - Power Supplies/PC104/Timing Modules SPM BPMs	03-Sep-13	16-Sep-13	2.00	$7,101	3.00	$0	$7,101	$0	10.00
23611075	Procurement Labor - Power Supplies/PC104/Timing Modules SPM BPMs FY13	03-Sep-13	30-Sep-13	4.00	$1,469	0.81	$0	$1,469	$0	10.00
23611075a	Procurement Labor - Power Supplies/PC104/Timing Modules SPM BPMs FY14	01-Oct-13	27-Nov-13	8.40	$3,085	1.69	$0	$3,085	$0	10.00
23611080	Procurement - Power Supplies/PC104/Timing Modules SPM BPMs	03-Oct-13	10-Jan-14	12.40	$0	0.00	$20,243	$20,243	$0	10.00
23611085	Assembly Labor - Power Supplies/PC104/Timing Modules SPM BPMs Part A	03-Oct-13	27-Nov-13	8.00	$15,141	8.31	$0	$15,141	$0	10.00
23611085a	Assembly Labor - Power Supplies/PC104/Timing Modules SPM BPMs Part b	02-Dec-13	03-Feb-14	7.40	$11,905	6.54	$0	$11,905	$0	10.00
23611090	Assembly Procurement - Power Supplies/PC104/Timing Modules SPM BPMs	03-Oct-13	03-Feb-14	15.40	$0	0.00	$1,651	$1,651	$0	10.00
23611095	Installation Labor - Power Supplies/PC104/Timing Modules SPM BPMs Part A	03-Oct-13	27-Nov-13	8.00	$1,022	0.56	$0	$1,022	$0	10.00
23611095a	Installation Labor - Power Supplies/PC104/Timing Modules SPM BPMs Part B	02-Dec-13	03-Feb-14	7.40	$804	0.44	$0	$804	$0	10.00
23611100	Installation Procurement - Power Supplies/PC104/Timing Modules SPM BPMs	03-Oct-13	03-Feb-14	15.40	$0	0.00	$1,857	$1,857	$0	10.00
23611913LOE	FY13 Mngmnt Effort for BPMs	03-Sep-13	30-Sep-13	4.00	$782	0.27	$0	$782	$0	13.40
23611914LOE	FY14 Mngmnt Effort for BPMs Part A	01-Oct-13	27-Nov-13	8.40	$1,098	0.38	$0	$1,098	$0	13.40
23611914LOI	FY14 Mngmnt Effort for BPMs Part B	02-Dec-13	26-Aug-14	36.20	$4,020	1.38	$0	$4,020	$0	13.40
1.3.6.1.2 HARPS		02-Jan-09	30-Sep-13	236.00	$134,678	56.08	$266,564	$410,196	$8,954	18.00
13612011	LABOR Prep for Harp Sys Procuremnts	03-Oct-11	29-Nov-11	8.00	$4,588	2.00	$0	$4,588	$0	34.00
13612014	Vendors Fab Harp Sys Pieces & Components	03-Oct-11	24-Feb-12	19.00	$0	0.00	$162,631	$162,631	$0	34.00
13612015	Harp Sys Fab & Assy	27-Feb-12	21-Aug-12	25.00	$30,626	14.50	$0	$33,645	$3,019	34.00
13612020	Harp Component Testing FY12	22-Aug-12	28-Sep-12	5.40	$10,312	4.63	$0	$10,312	$0	34.00
13612020a	Harp Component Testing FY13	01-Oct-12	10-Oct-12	1.60	$3,153	1.37	$0	$3,153	$0	34.00
13612020b	Harp Component Testing Procurement	22-Aug-12	10-Oct-12	7.00	$0	0.00	$2,340	$2,340	$0	34.00
13612025	Harp Sys Implementn	11-Oct-12	14-Jan-13	12.00	$23,226	12.00	$8,451	$34,913	$3,236	34.00
13612030	Harp Systems Software Implementn & Cmmssng FY12	27-Sep-12	28-Sep-12	0.40	$640	0.24	$0	$640	$0	34.00
13612035	Harp Systems Software Implementn & Cmmssng FY13	01-Oct-12	12-Feb-13	17.60	$29,067	10.76	$0	$29,067	$0	34.00
13612035M	Harp Sys Comp		12-Feb-13	0.00	$0	0.00	$0	$0	$0	34.00
13612909LOE	FY09 Mngmnt Effort for Harps	02-Jan-09	30-Sep-09	37.80	$2,508	0.61	$0	$2,508	$0	4.00
13612910LOE	FY10 Mngmnt Effort for Harps	01-Oct-09	30-Sep-10	49.60	$3,396	0.80	$0	$3,396	$0	4.00
13612911LOE	FY11 Mngmnt Effort for Harps	01-Oct-10	30-Sep-11	49.60	$3,504	0.80	$0	$3,504	$0	4.00
13612912LOE	FY12 Mngmnt Effort for Harps	03-Oct-11	28-Sep-12	49.40	$3,616	0.80	$0	$3,616	$0	4.00
13612913LOE	FY13 Mngmnt Effort for Harps	01-Oct-12	30-Aug-13	45.60	$3,430	0.74	$0	$3,430	$0	4.00
13612950	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$93,141	$93,141	$0	4.00
23612030	Harp Sys Implementn Labor	03-Sep-13	30-Sep-13	4.00	$8,022	3.57	$0	$10,722	$2,700	6.00
23612035	Harp Systems Software Implementn & Cmmssng	03-Sep-13	30-Sep-13	4.00	$8,394	3.20	$0	$8,394	$0	6.00
23612035M	Harp Sys Comp		30-Sep-13	0.00	$0	0.00	$0	$0	$0	6.00
23612913LOE	FY13 Mngmnt Effort for Harps	03-Sep-13	30-Sep-13	4.00	$195	0.07	$0	$195	$0	17.80
1.3.6.1.3 VIEWERS		02-Jan-09	02-Dec-13	244.60	$135,493	55.92	$251,567	$400,848	$13,787	14.80
13613014	Procurements for Viewer Syss	03-Feb-12	25-May-12	16.00	$19,767	8.50	$62,010	$86,609	$4,832	4.00
13613015	Fab & Assy of Viewer Syss FY12	29-May-12	28-Sep-12	17.40	$18,554	8.70	$0	$22,812	$4,258	4.00
13613015a	Fab & Assy of Viewer Syss FY13	01-Oct-12	20-Feb-13	18.60	$20,468	9.30	$0	$25,165	$4,697	4.00
13613015b	Fab & Assy of Viewer Syss Procurement	29-May-12	20-Feb-13	36.00	$0	0.00	$11,700	$11,700	$0	4.00
13613020	Testing of Viewer Sys Compnts	21-Feb-13	16-Aug-13	25.00	$33,323	13.50	$6,037	$39,360	$0	4.00
13613025	Implementn of Viewer Syss	19-Aug-13	30-Aug-13	2.00	$1,399	0.71	$0	$1,399	$0	4.00
13613030	Software Implementn Viewer Systems	05-Aug-13	30-Aug-13	4.00	$4,050	1.70	$0	$4,050	$0	4.00
13613909LOE	FY09 Mngmnt Effort for Viewer Syss	02-Jan-09	30-Sep-09	37.80	$2,508	0.61	$0	$2,508	$0	4.00
13613910LOE	FY10 Mngmnt Effort for Viewer Syss	01-Oct-09	30-Sep-10	49.60	$3,396	0.80	$0	$3,396	$0	4.00
13613911LOE	FY11 Mngmnt Effort for Viewer Syss	01-Oct-10	30-Sep-11	49.60	$3,504	0.80	$0	$3,504	$0	4.00
13613912LOE	FY12 Mngmnt Effort for Viewer Syss	03-Oct-11	28-Sep-12	49.40	$3,616	0.80	$0	$3,616	$0	4.00
13613913LOE	FY13 Mngmnt Effort for Viewer Syss	01-Oct-12	30-Aug-13	45.60	$3,430	0.74	$0	$3,430	$0	4.00
13613950	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$163,320	$163,320	$0	4.00
23613025a	Implementn of Viewer Syss Labor	03-Sep-13	30-Sep-13	4.00	$3,709	2.00	$0	$3,709	$0	6.00



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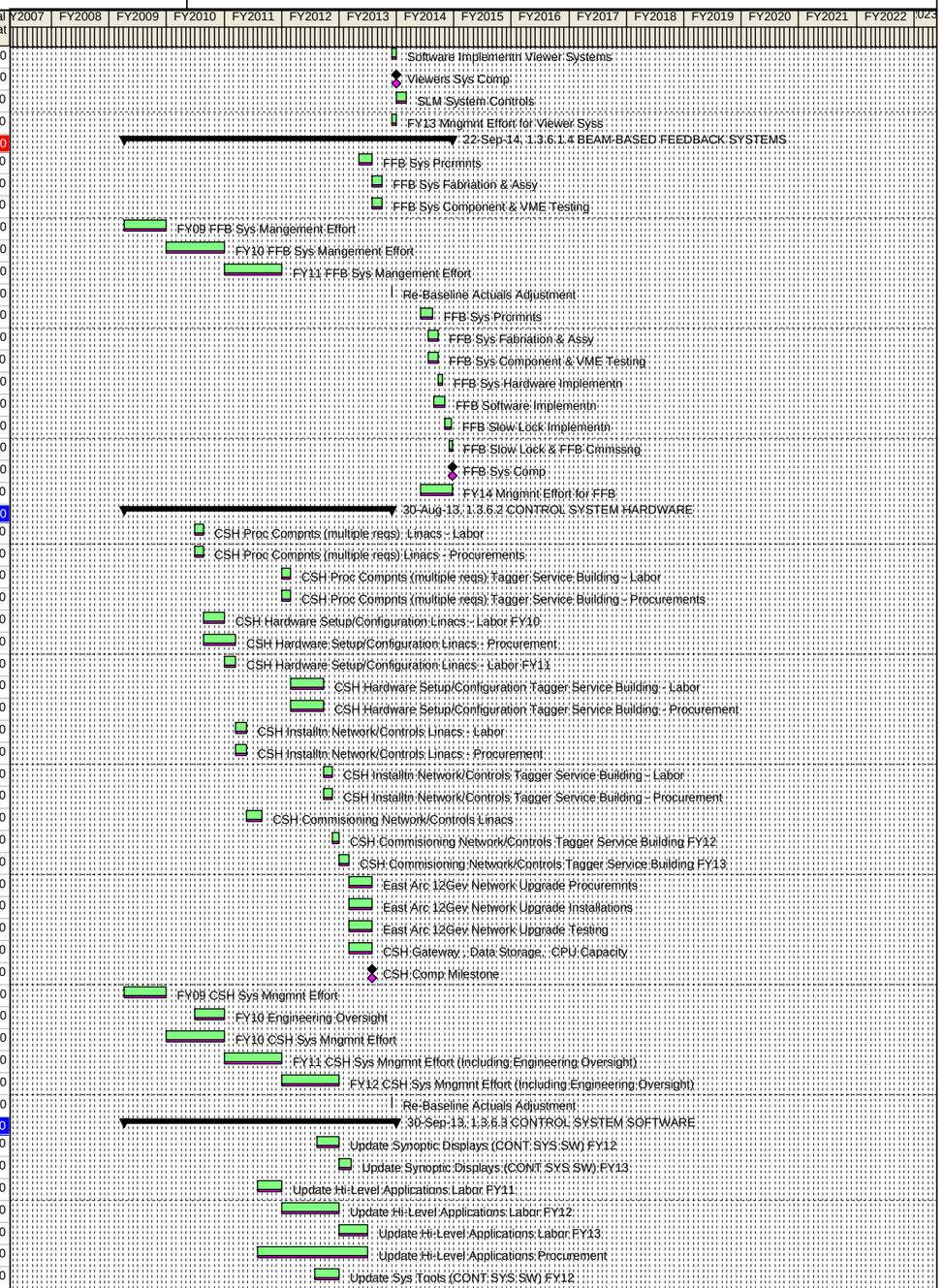
Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
23613030	Software Implementn Viewer Systems	03-Sep-13	30-Sep-13	4.00	$16,298	7.00	$0	$16,298	$0	6.00
23613035M	Viewers Sys Comp		30-Sep-13	0.00	$0	0.00	$0	$0	$0	6.00
23613050	SLM System Controls	01-Oct-13	02-Dec-13	8.60	$1,275	0.70	$8,500	$9,775	$0	14.60
23613913LOE	FY13 Mngmnt Effort for Viewer Syss	03-Sep-13	30-Sep-13	4.00	$195	0.07	$0	$195	$0	17.80
1.3.6.1.4 BEAM-BASED FEEDBACK SYSTEMS		02-Jan-09	22-Sep-14	284.40	$100,427	41.02	$10,697	$131,944	$20,819	9.80
13614014	FFB Sys Prcrmnts	06-Feb-13	01-May-13	12.00	$2,732	1.50	$94,172	$101,009	$4,105	13.00
13614015	FFB Sys Fabriation & Assy	02-May-13	27-Jun-13	8.00	$7,550	4.00	$1,207	$13,743	$4,986	13.00
13614020	FFB Sys Component & VME Testing	02-May-13	27-Jun-13	8.00	$12,074	5.00	$3,743	$15,817	$0	13.00
13614909LOE	FY09 FFB Sys Mangement Effort	02-Jan-09	30-Sep-09	37.80	$314	0.08	$0	$314	$0	4.00
13614910LOE	FY10 FFB Sys Mangement Effort	01-Oct-09	30-Sep-10	49.60	$424	0.10	$0	$424	$0	4.00
13614911LOE	FY11 FFB Sys Mangement Effort	01-Oct-10	30-Sep-11	49.60	$12,265	2.80	$0	$12,265	$0	4.00
13614950	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($141,294)	($141,294)	$0	4.00
23614014	FFB Sys Prcrmnts	05-Mar-14	20-May-14	11.00	$2,323	1.27	$48,663	$54,474	$3,489	9.80
23614015	FFB Sys Fabriation & Assy	23-Apr-14	23-Jun-14	8.60	$20,964	9.35	$1,026	$26,229	$4,238	9.80
23614020	FFB Sys Component & VME Testing	23-Apr-14	23-Jun-14	8.60	$8,048	3.40	$3,181	$11,229	$0	22.40
23614025	FFB Sys Hardware Implementn	24-Jun-14	22-Jul-14	4.00	$3,097	1.70	$0	$7,097	$4,000	9.80
23614030	FFB Software Implementn	27-May-14	01-Aug-14	9.60	$18,177	7.14	$0	$18,177	$0	9.80
23614035	FFB Slow Lock Implementn	04-Aug-14	15-Sep-14	6.00	$4,604	1.70	$0	$4,604	$0	9.80
23614040	FFB Slow Lock & FFB Cmmssng	02-Sep-14	22-Sep-14	3.00	$6,616	2.55	$0	$6,616	$0	9.80
23614045M	FFB Sys Comp		22-Sep-14	0.00	$0	0.00	$0	$0	$0	9.80
23614050LOE	FY14 Mngmnt Effort for FFB	05-Mar-14	19-Sep-14	28.00	$1,239	0.43	$0	$1,239	$0	10.00
1.3.6.2 CONTROL SYSTEM HARDWARE		02-Jan-09	30-Aug-13	232.00	$153,343	67.29	$294,944	$464,502	$16,216	4.00
1362014	CSH Proc Compnts (multiple reqs) Linacs - Labor	01-Apr-10	26-May-10	8.00	$2,983	1.50	$0	$2,983	$0	90.20
1362014A	CSH Proc Compnts (multiple reqs) Linacs - Procurements	01-Apr-10	26-May-10	8.00	$0	0.00	$119,218	$119,218	$0	90.20
1362014B	CSH Proc Compnts (multiple reqs) Tagger Service Building - Labor	03-Oct-11	29-Nov-11	8.00	$3,176	1.50	$0	$3,176	$0	21.00
1362014C	CSH Proc Compnts (multiple reqs) Tagger Service Building - Procurements	03-Oct-11	29-Nov-11	8.00	$0	0.00	$126,946	$126,946	$0	21.00
1362015	CSH Hardware Setup/Configuration Linacs - Labor FY10	27-May-10	30-Sep-10	17.60	$9,586	5.03	$0	$12,079	$2,493	90.20
1362015A	CSH Hardware Setup/Configuration Linacs - Procurement	27-May-10	15-Dec-10	28.00	$0	0.00	$7,692	$7,692	$0	90.20
1362015ab	CSH Hardware Setup/Configuration Linacs - Labor FY11	01-Oct-10	15-Dec-10	10.40	$5,844	2.97	$0	$7,364	$1,520	90.20
1362015B	CSH Hardware Setup/Configuration Tagger Service Building - Labor	30-Nov-11	26-Jun-12	28.00	$16,236	8.00	$0	$20,460	$4,224	21.00
1362015C	CSH Hardware Setup/Configuration Tagger Service Building - Procurement	30-Nov-11	26-Jun-12	28.00	$0	0.00	$8,190	$8,190	$0	21.00
1362020	CSH Installtn Network/Controls Linacs - Labor	16-Dec-10	18-Feb-11	8.00	$7,090	4.00	$0	$8,991	$1,900	90.20
1362020A	CSH Installtn Network/Controls Linacs - Procurement	16-Dec-10	18-Feb-11	8.00	$0	0.00	$10,205	$10,205	$0	90.20
1362020B	CSH Installtn Network/Controls Tagger Service Building - Labor	27-Jun-12	21-Aug-12	8.00	$7,316	4.00	$0	$9,277	$1,961	21.00
1362020C	CSH Installtn Network/Controls Tagger Service Building - Procurement	27-Jun-12	21-Aug-12	8.00	$0	0.00	$10,530	$10,530	$0	21.00
1362025	CSH Commisioning Network/Controls Linacs	22-Feb-11	31-May-11	14.00	$13,810	6.50	$0	$13,810	$0	90.20
1362025A	CSH Commisioning Network/Controls Tagger Service Building FY12	22-Aug-12	28-Sep-12	5.40	$5,497	2.51	$0	$5,497	$0	21.00
1362025Aa	CSH Commisioning Network/Controls Tagger Service Building FY13	01-Oct-12	30-Nov-12	8.60	$9,033	3.99	$0	$9,033	$0	21.00
1362026	East Arc 12Gev Network Upgrade Procuremnts	03-Dec-12	01-May-13	20.00	$2,987	1.40	$12,000	$14,987	$0	21.00
1362027	East Arc 12Gev Network Upgrade Installations	03-Dec-12	01-May-13	20.00	$10,273	5.40	$2,000	$12,273	$0	21.00
1362028	East Arc 12Gev Network Upgrade Testing	03-Dec-12	01-May-13	20.00	$3,643	2.00	$0	$3,643	$0	21.00
1362030	CSH Gateway , Data Storage, CPU Capacity	03-Dec-12	01-May-13	20.00	$10,834	4.00	$72,708	$87,658	$4,117	21.00
1362035M	CSH Comp Milestone		01-May-13	0.00	$0	0.00	$0	$0	$0	21.00
1362909LOE	FY09 CSH Sys Mngmnt Effort	02-Jan-09	30-Sep-09	37.80	$314	0.08	$0	$314	$0	4.00
1362910ALOE	FY10 Engineering Oversight	01-Apr-10	30-Sep-10	25.60	$9,994	3.77	$0	$9,994	$0	4.00
1362910LOE	FY10 CSH Sys Mngmnt Effort	01-Oct-09	30-Sep-10	49.60	$424	0.10	$0	$424	$0	4.00
1362911LOE	FY11 CSH Sys Mngmnt Effort (Including Engineering Oversight)	01-Oct-10	30-Sep-11	49.60	$16,882	5.27	$0	$16,882	$0	4.00
1362912LOE	FY12 CSH Sys Mngmnt Effort (Including Engineering Oversight)	03-Oct-11	28-Sep-12	49.40	$17,420	5.27	$0	$17,420	$0	4.00
1362950	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($74,544)	($74,544)	$0	4.00
1.3.6.3 CONTROL SYSTEM SOFTWARE		02-Jan-09	30-Sep-13	236.00	$331,190	123.26	($23,615)	$325,065	$17,490	26.00
1363014	Update Synoptic Displays (CONT SYS SW) FY12	14-May-12	28-Sep-12	19.40	$33,947	12.93	$0	$33,947	$0	41.00
1363014a	Update Synoptic Displays (CONT SYS SW) FY13	01-Oct-12	14-Dec-12	10.60	$19,140	7.07	$0	$19,140	$0	41.00
1363015	Update Hi-Level Applications Labor FY11	29-Apr-11	30-Sep-11	21.60	$33,544	13.19	$0	$33,544	$0	32.00
1363015a	Update Hi-Level Applications Labor FY12	03-Oct-11	28-Sep-12	49.40	$79,164	30.16	$0	$79,164	$0	32.00
1363015aa	Update Hi-Level Applications Labor FY13	01-Oct-12	29-Mar-13	24.00	$39,685	14.65	$0	$39,685	$0	32.00
1363015b	Update Hi-Level Applications Procurement	29-Apr-11	29-Mar-13	95.00	$0	0.00	$5,851	$5,851	$0	32.00
1363020	Update Sys Tools (CONT SYS SW) FY12	30-Apr-12	28-Sep-12	21.40	$28,936	11.02	$0	$28,936	$0	64.00



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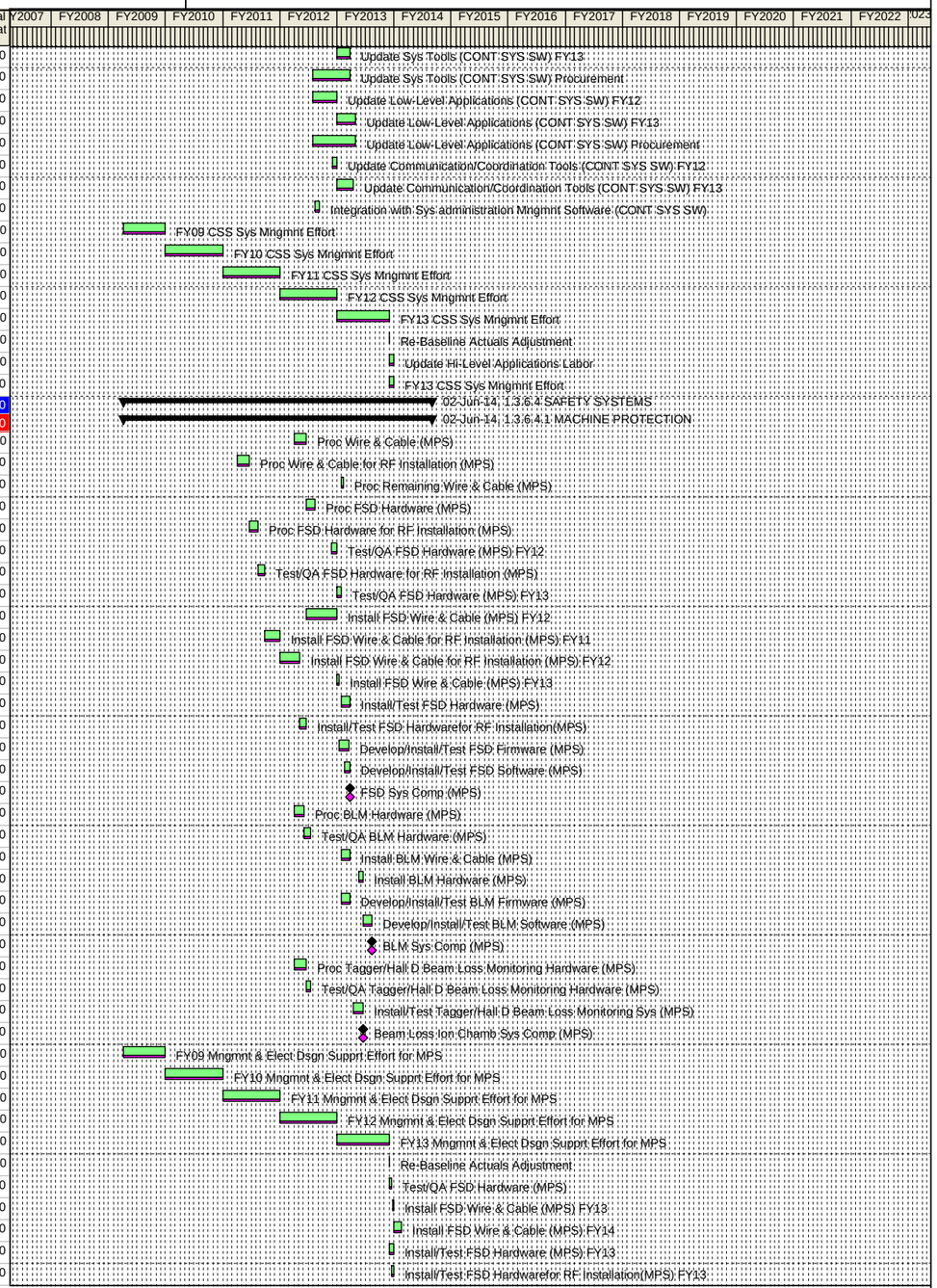
Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
1363020a	Update Sys Tools (CONT SYS SW) FY13	01-Oct-12	21-Dec-12	11.60	$16,185	5.98	$0	$16,185	$0	64.00
1363020b	Update Sys Tools (CONT SYS SW) Procurement	30-Apr-12	21-Dec-12	33.00	$0	0.00	$11,840	$11,840	$0	64.00
1363025	Update Low-Level Applications (CONT SYS SW) FY12	30-Apr-12	28-Sep-12	21.40	$16,700	6.36	$0	$21,166	$4,466	36.00
1363025a	Update Low-Level Applications (CONT SYS SW) FY13	01-Oct-12	29-Jan-13	15.60	$12,561	4.64	$0	$15,921	$3,360	36.00
1363025b	Update Low-Level Applications (CONT SYS SW) Procurement	30-Apr-12	29-Jan-13	37.00	$0	0.00	$19,317	$19,317	$0	36.00
1363030	Update Communication/Coordination Tools (CONT SYS SW) FY12	06-Sep-12	28-Sep-12	3.40	$2,625	1.00	$0	$2,625	$0	36.00
1363030a	Update Communication/Coordination Tools (CONT SYS SW) FY13	01-Oct-12	14-Jan-13	13.60	$10,834	4.00	$0	$10,834	$0	36.00
1363035	Integration with Sys administration Mngmnt Software (CONT SYS SW)	14-May-12	12-Jun-12	4.00	$5,250	2.00	$0	$14,914	$9,664	67.00
1363909LOE	FY09 CSS Sys Mngmnt Effort	02-Jan-09	30-Sep-09	37.80	$1,881	0.46	$0	$1,881	$0	4.00
1363910LOE	FY10 CSS Sys Mngmnt Effort	01-Oct-09	30-Sep-10	49.60	$2,547	0.60	$0	$2,547	$0	4.00
1363911LOE	FY11 CSS Sys Mngmnt Effort	01-Oct-10	30-Sep-11	49.60	$2,628	0.60	$0	$2,628	$0	4.00
1363912LOE	FY12 CSS Sys Mngmnt Effort	03-Oct-11	28-Sep-12	49.40	$2,712	0.60	$0	$2,712	$0	4.00
1363913LOE	FY13 CSS Sys Mngmnt Effort	01-Oct-12	30-Aug-13	45.60	$2,572	0.55	$0	$2,572	$0	4.00
1363950	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($60,623)	($60,623)	$0	4.00
2363015aa	Update Hi-Level Applications Labor	03-Sep-13	30-Sep-13	4.00	$20,056	7.41	$0	$20,056	$0	6.40
2363913LOE	FY13 CSS Sys Mngmnt Effort	03-Sep-13	30-Sep-13	4.00	$225	0.05	$0	$225	$0	17.80
1.3.6.4 SAFETY SYSTEMS		02-Jan-09	02-Jun-14	268.80	$1,210,897	535.44	$637,841	$2,048,930	$200,192	28.00
1.3.6.4.1 MACHINE PROTECTION		02-Jan-09	02-Jun-14	268.80	$256,955	113.62	$44,746	$318,453	$16,753	28.00
13641014	Proc Wire & Cable (MPS)	05-Jan-12	16-Mar-12	10.00	$2,382	1.04	$40,663	$43,045	$0	6.00
13641014a	Proc Wire & Cable for RF Installation (MPS)	05-Jan-11	17-Mar-11	10.00	$2,137	0.95	$1,548	$3,685	$0	108.00
13641014b	Proc Remaining Wire & Cable (MPS)	01-Nov-12	14-Nov-12	2.00	$0	0.00	$8,100	$8,100	$0	74.40
13641015	Proc FSD Hardware (MPS)	19-Mar-12	11-May-12	8.00	$2,382	1.04	$11,184	$13,566	$0	69.40
13641015a	Proc FSD Hardware for RF Installation (MPS)	18-Mar-11	12-May-11	8.00	$2,137	0.95	$3,199	$5,336	$0	108.00
13641020	Test/QA FSD Hardware (MPS) FY12	30-Aug-12	28-Sep-12	4.20	$1,941	0.89	$0	$1,941	$0	69.40
13641020a	Test/QA FSD Hardware for RF Installation (MPS)	13-May-11	24-Jun-11	6.00	$6,841	3.40	$0	$6,841	$0	108.00
13641020b	Test/QA FSD Hardware (MPS) FY13	01-Oct-12	29-Oct-12	4.20	$2,003	0.89	$0	$2,003	$0	69.40
13641025	Install FSD Wire & Cable (MPS) FY12	19-Mar-12	28-Sep-12	27.40	$8,656	4.52	$0	$13,162	$4,506	70.40
13641025a	Install FSD Wire & Cable for RF Installation (MPS) FY11	27-Jun-11	30-Sep-11	13.60	$1,729	0.93	$0	$1,963	$234	108.00
13641025ab	Install FSD Wire & Cable for RF Installation (MPS) FY12	03-Oct-11	06-Feb-12	16.40	$2,152	1.12	$0	$2,443	$291	108.00
13641025b	Install FSD Wire & Cable (MPS) FY13	01-Oct-12	17-Oct-12	2.60	$848	0.43	$0	$1,289	$441	70.40
13641030	Install/Test FSD Hardware (MPS)	01-Nov-12	21-Dec-12	7.00	$10,489	4.80	$0	$10,489	$0	69.40
13641030a	Install/Test FSD Hardwarefor RF Installation(MPS)	07-Feb-12	20-Mar-12	6.00	$2,541	1.20	$0	$2,541	$0	108.00
13641035	Develop/Install/Test FSD Firmware (MPS)	18-Oct-12	14-Dec-12	8.00	$14,562	5.00	$0	$14,562	$0	70.40
13641040	Develop/Install/Test FSD Software (MPS)	20-Nov-12	21-Dec-12	4.40	$2,708	1.00	$0	$2,708	$0	69.40
13641045M	FSD Sys Comp (MPS)		21-Dec-12	0.00	$0	0.00	$0	$0	$0	69.40
13641050	Proc BLM Hardware (MPS)	05-Jan-12	02-Mar-12	8.00	$6,353	3.00	$42,623	$48,976	$0	69.40
13641055	Test/QA BLM Hardware (MPS)	05-Mar-12	13-Apr-12	6.00	$6,353	3.00	$0	$6,353	$0	91.80
13641060	Install BLM Wire & Cable (MPS)	01-Nov-12	21-Dec-12	7.00	$20,398	10.00	$0	$31,678	$11,280	69.40
13641065	Install BLM Hardware (MPS)	15-Feb-13	15-Mar-13	4.00	$10,199	5.00	$0	$10,199	$0	50.40
13641070	Develop/Install/Test BLM Firmware (MPS)	01-Nov-12	21-Dec-12	7.00	$11,650	4.00	$0	$11,650	$0	69.40
13641075	Develop/Install/Test BLM Software (MPS)	18-Mar-13	15-May-13	8.60	$5,417	2.00	$0	$5,417	$0	50.40
13641080M	BLM Sys Comp (MPS)		15-May-13	0.00	$0	0.00	$0	$0	$0	50.40
13641085	Proc Tagger/Hall D Beam Loss Monitoring Hardware (MPS)	05-Jan-12	16-Mar-12	10.00	$4,588	2.00	$27,250	$31,837	$0	96.00
13641090	Test/QA Tagger/Hall D Beam Loss Monitoring Hardware (MPS)	19-Mar-12	13-Apr-12	4.00	$6,353	3.00	$0	$6,353	$0	96.00
13641095	Install/Test Tagger/Hall D Beam Loss Monitoring Sys (MPS)	14-Jan-13	14-Mar-13	8.40	$8,377	4.00	$0	$8,377	$0	59.20
13641100M	Beam Loss Ion Chamb Sys Comp (MPS)		14-Mar-13	0.00	$0	0.00	$0	$0	$0	59.20
13641909LOE	FY09 Mngmnt & Elect Dsgn Supprt Effort for MPS	02-Jan-09	30-Sep-09	37.80	$454	0.15	$0	$454	$0	4.00
13641910LOE	FY10 Mngmnt & Elect Dsgn Supprt Effort for MPS	01-Oct-09	30-Sep-10	49.60	$614	0.20	$0	$614	$0	4.00
13641911LOE	FY11 Mngmnt & Elect Dsgn Supprt Effort for MPS	01-Oct-10	30-Sep-11	49.60	$7,075	2.50	$0	$7,075	$0	4.00
13641912LOE	FY12 Mngmnt & Elect Dsgn Supprt Effort for MPS	03-Oct-11	28-Sep-12	49.40	$7,301	2.50	$0	$7,301	$0	4.00
13641913LOE	FY13 Mngmnt & Elect Dsgn Supprt Effort for MPS	01-Oct-12	30-Aug-13	45.60	$6,926	2.30	$0	$6,926	$0	4.00
13641950	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($101,821)	($101,821)	$0	4.00
23641020	Test/QA FSD Hardware (MPS)	03-Sep-13	13-Sep-13	1.80	$1,639	0.75	$0	$1,639	$0	23.80
23641025	Install FSD Wire & Cable (MPS) FY13	23-Sep-13	30-Sep-13	1.20	$2,205	1.15	$0	$2,205	$0	24.40
23641025a	Install FSD Wire & Cable (MPS) FY14	01-Oct-13	15-Nov-13	6.80	$12,495	6.50	$0	$12,495	$0	24.40
23641030	Install/Test FSD Hardware (MPS) FY13	03-Sep-13	30-Sep-13	4.00	$2,506	1.09	$0	$2,506	$0	23.80
23641030a	Install/Test FSD Hardwarefor RF Installation(MPS) FY13	16-Sep-13	30-Sep-13	2.20	$1,531	0.65	$0	$1,531	$0	26.60



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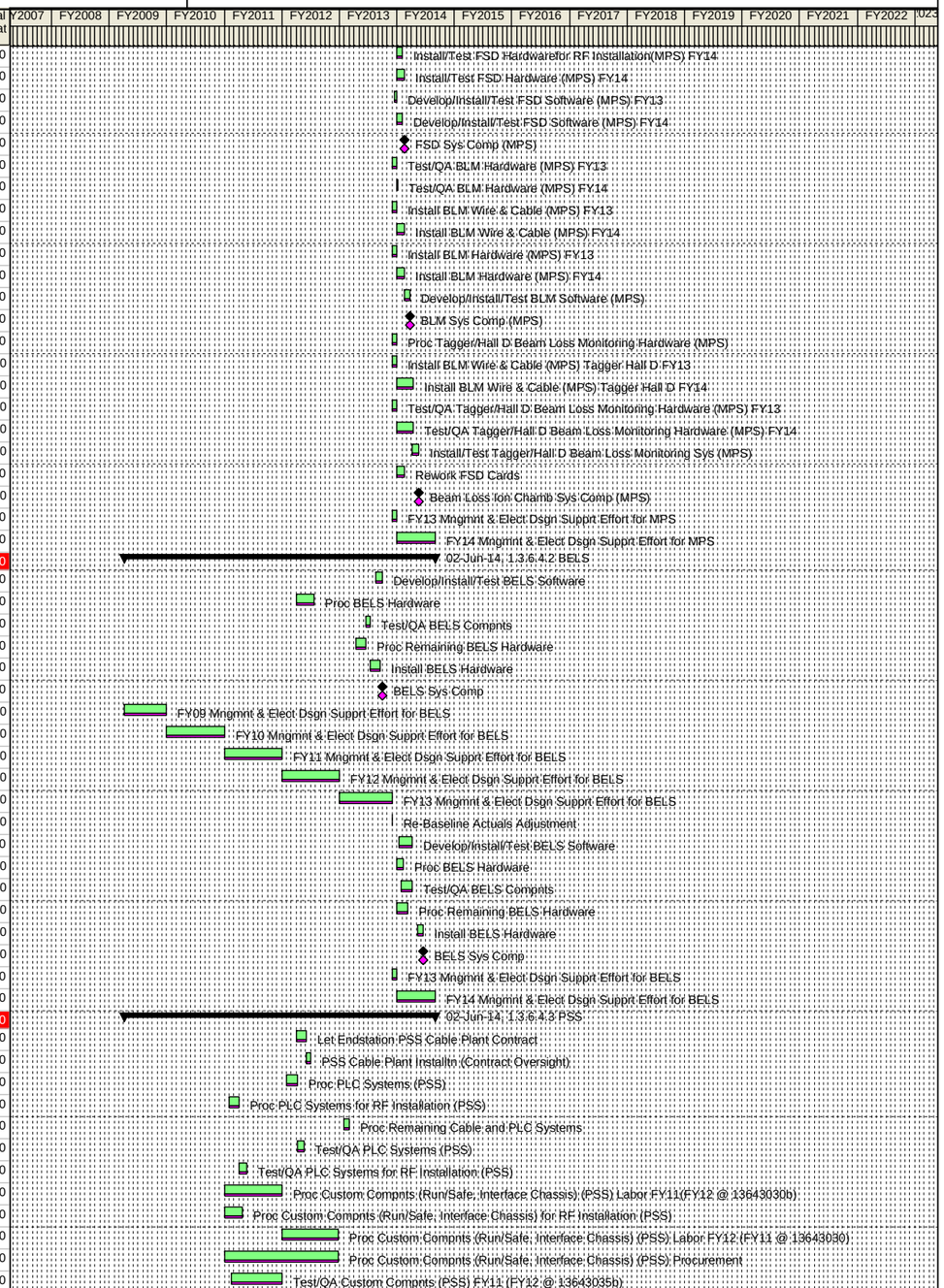
Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
23641030aa	Install/Test FSD Hardwarefor RF Installation(MPS) FY14	01-Oct-13	31-Oct-13	4.60	$3,203	1.35	$0	$3,203	$0	26.60
23641030b	Install/Test FSD Hardware (MPS) FY14	01-Oct-13	20-Nov-13	7.40	$4,636	2.01	$0	$4,636	$0	23.80
23641040	Develop/Install/Test FSD Software (MPS) FY13	16-Sep-13	30-Sep-13	2.20	$1,752	0.65	$0	$1,752	$0	26.60
23641040a	Develop/Install/Test FSD Software (MPS) FY14	01-Oct-13	31-Oct-13	4.60	$3,664	1.35	$0	$3,664	$0	26.60
23641045M	FSD Sys Comp (MPS)		20-Nov-13	0.00	$0	0.00	$0	$0	$0	23.80
23641055	Test/QA BLM Hardware (MPS) FY13	03-Sep-13	30-Sep-13	4.00	$2,272	0.96	$0	$2,272	$0	26.80
23641055a	Test/QA BLM Hardware (MPS) FY14	01-Oct-13	07-Oct-13	1.00	$568	0.24	$0	$568	$0	26.80
23641060	Install BLM Wire & Cable (MPS) FY13	03-Sep-13	30-Sep-13	4.00	$2,054	1.00	$0	$2,054	$0	19.80
23641060a	Install BLM Wire & Cable (MPS) FY14	01-Oct-13	20-Nov-13	7.40	$3,799	1.85	$0	$3,799	$0	19.80
23641065	Install BLM Hardware (MPS) FY13	03-Sep-13	30-Sep-13	4.00	$1,772	0.87	$0	$1,772	$0	19.80
23641065a	Install BLM Hardware (MPS) FY14	01-Oct-13	20-Nov-13	7.40	$3,277	1.61	$0	$3,277	$0	19.80
23641075	Develop/Install/Test BLM Software (MPS)	15-Nov-13	20-Dec-13	4.80	$5,417	2.00	$0	$5,417	$0	19.80
23641080M	BLM Sys Comp (MPS)		20-Dec-13	0.00	$0	0.00	$0	$0	$0	19.80
23641085	Proc Tagger/Hall D Beam Loss Monitoring Hardware (MPS)	03-Sep-13	30-Sep-13	4.00	$0	0.00	$8,000	$8,000	$0	25.80
23641087	Install BLM Wire & Cable (MPS) Tagger Hall D FY13	03-Sep-13	30-Sep-13	4.00	$5,655	2.75	$0	$5,655	$0	8.00
23641087a	Install BLM Wire & Cable (MPS) Tagger Hall D FY14	01-Oct-13	13-Jan-14	13.00	$18,379	8.95	$0	$18,379	$0	8.00
23641090	Test/QA Tagger/Hall D Beam Loss Monitoring Hardware (MPS) FY13	03-Sep-13	30-Sep-13	4.00	$1,249	0.57	$0	$1,249	$0	8.00
23641090a	Test/QA Tagger/Hall D Beam Loss Monitoring Hardware (MPS) FY14	01-Oct-13	10-Jan-14	12.80	$3,996	1.83	$0	$3,996	$0	8.00
23641095	Install/Test Tagger/Hall D Beam Loss Monitoring Sys (MPS)	07-Jan-14	17-Feb-14	5.80	$4,189	2.00	$0	$4,189	$0	8.00
23641100	Rework FSD Cards	01-Oct-13	18-Nov-13	7.00	$0	0.00	$4,000	$4,000	$0	18.80
23641100M	Beam Loss Ion Chamb Sys Comp (MPS)		17-Feb-14	0.00	$0	0.00	$0	$0	$0	8.00
23641913LOE	FY13 Mngmnt & Elect Dsgn Supprt Effort for MPS	03-Sep-13	30-Sep-13	4.00	$607	0.20	$0	$607	$0	28.40
23641914LOE	FY14 Mngmnt & Elect Dsgn Supprt Effort for MPS	01-Oct-13	02-Jun-14	32.60	$4,526	1.50	$0	$4,526	$0	28.40
1.3.6.4.2 BELS		02-Jan-09	02-Jun-14	268.80	$95,882	39.63	($37,520)	$68,361	$10,000	28.00
13642005	Develop/Install/Test BELS Software	21-May-13	02-Jul-13	6.00	$11,242	4.00	$0	$11,242	$0	14.40
13642014	Proc BELS Hardware	05-Jan-12	20-Apr-12	15.00	$2,822	1.00	$25,834	$28,656	$0	59.00
13642015	Test/QA BELS Compnts	19-Mar-13	17-Apr-13	4.40	$10,199	5.00	$0	$10,199	$0	14.40
13642019	Proc Remaining BELS Hardware	17-Jan-13	15-Mar-13	8.00	$0	0.00	$3,000	$3,000	$0	14.60
13642020	Install BELS Hardware	18-Apr-13	18-Jun-13	8.60	$13,842	7.00	$0	$18,842	$5,000	14.40
13642030M	BELS Sys Comp		02-Jul-13	0.00	$0	0.00	$0	$0	$0	14.40
13642909LOE	FY09 Mngmnt & Elect Dsgn Supprt Effort for BELS	02-Jan-09	30-Sep-09	37.80	$454	0.15	$0	$454	$0	4.00
13642910LOE	FY10 Mngmnt & Elect Dsgn Supprt Effort for BELS	01-Oct-09	30-Sep-10	49.60	$614	0.20	$0	$614	$0	4.00
13642911LOE	FY11 Mngmnt & Elect Dsgn Supprt Effort for BELS	01-Oct-10	30-Sep-11	49.60	$5,705	1.80	$0	$5,705	$0	4.00
13642912LOE	FY12 Mngmnt & Elect Dsgn Supprt Effort for BELS	03-Oct-11	28-Sep-12	49.40	$5,886	1.80	$0	$5,886	$0	4.00
13642913LOE	FY13 Mngmnt & Elect Dsgn Supprt Effort for BELS	01-Oct-12	30-Aug-13	45.60	$5,584	1.65	$0	$5,584	$0	4.00
13642950	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($79,687)	($79,687)	$0	4.00
23642005	Develop/Install/Test BELS Software	14-Oct-13	03-Jan-14	10.00	$10,117	3.60	$0	$10,117	$0	14.00
23642014	Proc BELS Hardware	01-Oct-13	12-Nov-13	6.20	$1,165	0.40	$10,333	$11,498	$0	4.20
23642015	Test/QA BELS Compnts	29-Oct-13	08-Jan-14	8.40	$10,199	5.00	$0	$10,199	$0	4.20
23642019	Proc Remaining BELS Hardware	01-Oct-13	11-Dec-13	10.00	$0	0.00	$3,000	$3,000	$0	4.20
23642020	Install BELS Hardware	13-Feb-14	14-Mar-14	4.40	$13,914	6.80	$0	$18,914	$5,000	4.20
23642030M	BELS Sys Comp		14-Mar-14	0.00	$0	0.00	$0	$0	$0	4.20
23642913LOE	FY13 Mngmnt & Elect Dsgn Supprt Effort for BELS	03-Sep-13	30-Sep-13	4.00	$489	0.15	$0	$489	$0	28.40
23642914LOE	FY14 Mngmnt & Elect Dsgn Supprt Effort for BELS	01-Oct-13	02-Jun-14	32.60	$3,649	1.08	$0	$3,649	$0	28.40
1.3.6.4.3 PSS		02-Jan-09	02-Jun-14	268.80	$858,061	382.19	$630,615	$1,662,116	$173,440	28.00
13643014	Let Endstation PSS Cable Plant Contract	05-Jan-12	02-Mar-12	8.00	$10,161	3.60	$21,130	$31,291	$0	62.40
13643015	PSS Cable Plant Installtn (Contract Oversight)	05-Mar-12	30-Mar-12	4.00	$7,410	3.00	$0	$7,410	$0	62.40
13643020	Proc PLC Systems (PSS)	01-Nov-11	05-Jan-12	8.00	$5,645	2.00	$31,427	$37,072	$0	98.80
13643020a	Proc PLC Systems for RF Installation (PSS)	01-Nov-10	05-Jan-11	8.00	$2,735	1.00	$37,768	$40,503	$0	148.40
13643020b	Proc Remaining Cable and PLC Systems	01-Nov-12	05-Dec-12	4.60	$0	0.00	$55,000	$55,000	$0	98.80
13643025	Test/QA PLC Systems (PSS)	06-Jan-12	17-Feb-12	6.00	$14,186	5.99	$0	$14,186	$0	98.80
13643025a	Test/QA PLC Systems for RF Installation (PSS)	06-Jan-11	17-Feb-11	6.00	$2,325	1.00	$0	$2,325	$0	148.40
13643030	Proc Custom Compnts (Run/Safe, Interface Chassis) (PSS) Labor FY11(FY12 @ 13643...	01-Oct-10	30-Sep-11	49.60	$1,125	0.55	$0	$1,386	$261	34.60
13643030a	Proc Custom Compnts (Run/Safe, Interface Chassis) for RF Installation (PSS)	01-Oct-10	21-Jan-11	14.40	$3,934	2.00	$10,319	$30,392	$16,139	34.60
13643030b	Proc Custom Compnts (Run/Safe, Interface Chassis) (PSS) Labor FY12 (FY11 @ 1364...	03-Oct-11	21-Sep-12	48.40	$1,132	0.53	$0	$1,395	$262	34.60
13643030c	Proc Custom Compnts (Run/Safe, Interface Chassis) (PSS) Procurement	01-Oct-10	21-Sep-12	98.00	$0	0.00	$8,401	$8,401	$0	34.60
13643035	Test/QA Custom Compnts (PSS) FY11 (FY12 @ 13643035b)	12-Nov-10	30-Sep-11	43.60	$4,567	2.67	$0	$4,567	$0	34.60



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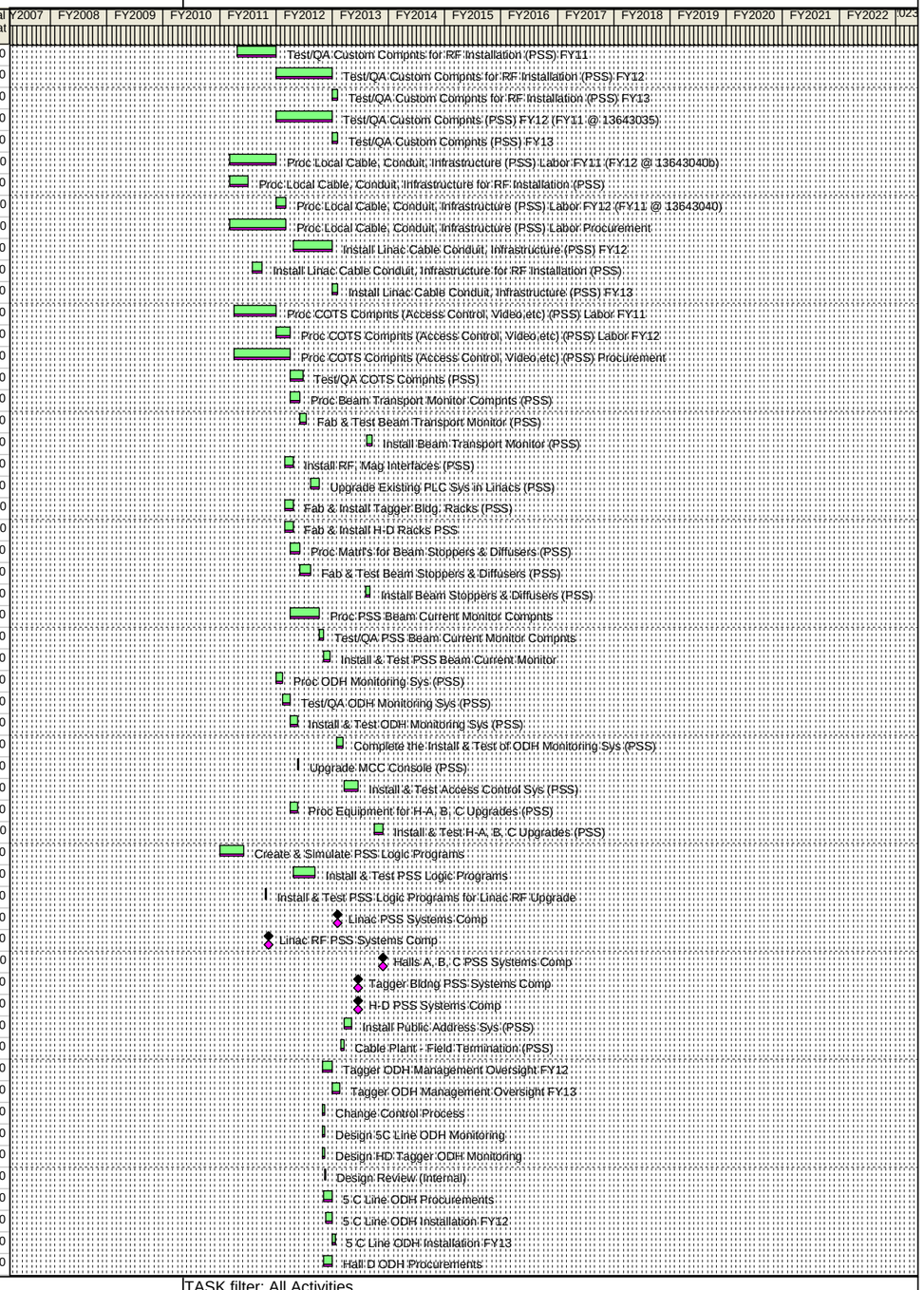
Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
13643035a	Test/QA Custom Compnts for RF Installation (PSS) FY11	24-Jan-11	30-Sep-11	35.20	$1,344	0.79	$0	$1,344	$0	34.60
13643035ab	Test/QA Custom Compnts for RF Installation (PSS) FY12	03-Oct-11	28-Sep-12	49.40	$1,947	1.10	$0	$1,947	$0	34.60
13643035abb	Test/QA Custom Compnts for RF Installation (PSS) FY13	01-Oct-12	02-Nov-12	5.00	$203	0.11	$0	$203	$0	34.60
13643035b	Test/QA Custom Compnts (PSS) FY12 (FY11 @ 13643035)	03-Oct-11	28-Sep-12	49.40	$5,339	3.02	$0	$5,339	$0	34.60
13643035ba	Test/QA Custom Compnts (PSS) FY13	01-Oct-12	02-Nov-12	5.00	$557	0.31	$0	$557	$0	34.60
13643040	Proc Local Cable, Conduit, Infrastructure (PSS) Labor FY11 (FY12 @ 13643040b)	07-Dec-10	30-Sep-11	40.60	$6,799	2.49	$0	$6,799	$0	7.00
13643040a	Proc Local Cable, Conduit, Infrastructure for RF Installation (PSS)	07-Dec-10	01-Apr-11	15.20	$2,735	1.00	$4,360	$7,095	$0	16.60
13643040b	Proc Local Cable, Conduit, Infrastructure (PSS) Labor FY12 (FY11 @ 13643040)	03-Oct-11	01-Dec-11	8.40	$1,451	0.51	$0	$1,451	$0	7.00
13643040c	Proc Local Cable, Conduit, Infrastructure (PSS) Labor Procurement	07-Dec-10	01-Dec-11	49.00	$0	0.00	$30,744	$30,744	$0	7.00
13643045	Install Linac Cable Conduit, Infrastructure (PSS) FY12	23-Jan-12	28-Sep-12	35.20	$40,274	24.84	$0	$121,405	$81,131	34.80
13643045a	Install Linac Cable Conduit, Infrastructure for RF Installation (PSS)	02-May-11	01-Jul-11	8.80	$10,636	6.00	$0	$10,636	$0	16.60
13643045b	Install Linac Cable Conduit, Infrastructure (PSS) FY13	01-Oct-12	01-Nov-12	4.80	$5,667	3.39	$0	$17,083	$11,416	34.80
13643050	Proc COTS Compnts (Access Control, Video,etc) (PSS) Labor FY11	05-Jan-11	30-Sep-11	37.60	$24,667	10.74	$0	$24,667	$0	65.60
13643050a	Proc COTS Compnts (Access Control, Video,etc) (PSS) Labor FY12	03-Oct-11	29-Dec-11	11.40	$7,717	3.26	$0	$7,717	$0	65.60
13643050b	Proc COTS Compnts (Access Control, Video,etc) (PSS) Procurement	05-Jan-11	29-Dec-11	49.00	$0	0.00	$101,796	$101,796	$0	65.60
13643055	Test/QA COTS Compnts (PSS)	30-Dec-11	27-Mar-12	12.00	$20,474	11.00	$0	$20,474	$0	65.60
13643060	Proc Beam Transport Monitor Compnts (PSS)	05-Jan-12	02-Mar-12	8.00	$7,665	3.00	$12,074	$19,740	$0	94.20
13643065	Fab & Test Beam Transport Monitor (PSS)	05-Mar-12	13-Apr-12	6.00	$3,530	2.00	$0	$3,530	$0	94.20
13643070	Install Beam Transport Monitor (PSS)	13-May-13	14-Jun-13	4.80	$23,214	9.00	$0	$23,214	$0	40.80
13643075	Install RF, Mag Interfaces (PSS)	01-Dec-11	20-Jan-12	6.00	$13,763	6.00	$0	$13,763	$0	110.80
13643080	Upgrade Existing PLC Sys in Linacs (PSS)	14-May-12	10-Jul-12	8.00	$18,350	8.00	$0	$18,350	$0	87.00
13643085	Fab & Install Tagger Bldg. Racks (PSS)	01-Dec-11	20-Jan-12	6.00	$6,353	3.00	$0	$15,740	$9,387	1.20
13643090	Fab & Install H-D Racks PSS	01-Dec-11	20-Jan-12	6.00	$6,353	3.00	$0	$15,726	$9,373	1.20
13643095	Proc Matrl's for Beam Stoppers & Diffusers (PSS)	05-Jan-12	02-Mar-12	8.00	$7,422	3.00	$13,888	$21,310	$0	90.60
13643100	Fab & Test Beam Stoppers & Diffusers (PSS)	05-Mar-12	11-May-12	10.00	$28,062	13.00	$0	$41,342	$13,280	90.60
13643105	Install Beam Stoppers & Diffusers (PSS)	06-May-13	05-Jun-13	4.40	$3,669	2.00	$0	$3,669	$0	42.20
13643110	Proc PSS Beam Current Monitor Compnts	05-Jan-12	10-Jul-12	26.00	$5,645	2.00	$14,496	$20,141	$0	77.00
13643115	Test/QA PSS Beam Current Monitor Compnts	11-Jul-12	07-Aug-12	4.00	$7,410	3.00	$0	$7,410	$0	77.00
13643120	Install & Test PSS Beam Current Monitor	08-Aug-12	19-Sep-12	6.00	$16,923	8.00	$0	$16,923	$0	77.00
13643125	Proc ODH Monitoring Sys (PSS)	03-Oct-11	11-Nov-11	6.00	$2,822	1.00	$0	$2,822	$0	83.00
13643130	Test/QA ODH Monitoring Sys (PSS)	14-Nov-11	04-Jan-12	6.00	$6,353	3.00	$0	$6,353	$0	83.00
13643135	Install & Test ODH Monitoring Sys (PSS)	05-Jan-12	16-Feb-12	6.00	$7,920	4.00	$0	$7,920	$0	83.00
13643137	Complete the Install & Test of ODH Monitoring Sys (PSS)	01-Nov-12	07-Dec-12	5.00	$4,798	2.04	$0	$4,798	$0	42.00
13643140	Upgrade MCC Console (PSS)	17-Feb-12	24-Feb-12	1.00	$6,707	3.50	$0	$6,707	$0	106.00
13643145	Install & Test Access Control Sys (PSS)	17-Dec-12	20-Mar-13	12.00	$35,690	16.00	$0	$35,690	$0	29.00
13643150	Proc Equipment for H-A, B, C Upgrades (PSS)	05-Jan-12	16-Feb-12	6.00	$0	0.00	$7,242	$7,242	$0	74.60
13643155	Install & Test H-A, B, C Upgrades (PSS)	01-Jul-13	28-Aug-13	8.40	$8,377	4.00	$0	$8,377	$0	6.40
13643160	Create & Simulate PSS Logic Programs	01-Oct-10	03-Mar-11	20.00	$21,882	8.00	$0	$21,882	$0	134.60
13643165	Install & Test PSS Logic Programs	23-Jan-12	13-Jun-12	20.00	$10,761	4.12	$0	$10,761	$0	90.80
13643165a	Install & Test PSS Logic Programs for Linac RF Upgrade	25-Jul-11	01-Aug-11	1.20	$2,223	1.00	$0	$2,223	$0	16.60
13643170M	Linac PSS Systems Comp		02-Nov-12	0.00	$0	0.00	$0	$0	$0	70.60
13643172M	Linac RF PSS Systems Comp		11-Aug-11	0.00	$0	0.00	$0	$0	$0	16.60
13643175M	Halls A, B, C PSS Systems Comp		28-Aug-13	0.00	$0	0.00	$0	$0	$0	6.40
13643180M	Tagger Bldng PSS Systems Comp		20-Mar-13	0.00	$0	0.00	$0	$0	$0	29.00
13643185M	H-D PSS Systems Comp		20-Mar-13	0.00	$0	0.00	$0	$0	$0	29.00
13643205	Install Public Address Sys (PSS)	17-Dec-12	05-Feb-13	6.00	$10,199	5.00	$0	$10,199	$0	35.00
13643210	Cable Plant - Field Termination (PSS)	28-Nov-12	14-Dec-12	2.60	$6,556	3.00	$0	$24,242	$17,686	29.00
13643215	Tagger ODH Management Oversight FY12	01-Aug-12	28-Sep-12	8.40	$539	0.19	$0	$539	$0	68.80
13643215a	Tagger ODH Management Oversight FY13	01-Oct-12	16-Nov-12	7.00	$463	0.16	$0	$463	$0	68.80
13643220	Change Control Process	01-Aug-12	10-Aug-12	1.60	$565	0.20	$0	$565	$0	82.40
13643225	Design 5C Line ODH Monitoring	01-Aug-12	15-Aug-12	2.20	$5,722	2.30	$0	$5,722	$0	68.80
13643230	Design HD Tagger ODH Monitoring	01-Aug-12	15-Aug-12	2.20	$3,403	1.45	$0	$3,403	$0	68.80
13643235	Design Review (Internal)	16-Aug-12	16-Aug-12	0.20	$2,258	0.80	$0	$2,258	$0	68.80
13643240	5 C Line ODH Procurements	08-Aug-12	28-Sep-12	7.40	$573	0.25	$7,000	$7,573	$0	72.40
13643245	5 C Line ODH Installation FY12	23-Aug-12	28-Sep-12	5.20	$2,311	1.36	$0	$2,311	$0	72.40
13643245a	5 C Line ODH Installation FY13	01-Oct-12	22-Oct-12	3.20	$1,467	0.84	$0	$1,467	$0	72.40
13643255	Hall D ODH Procurements	08-Aug-12	28-Sep-12	7.40	$573	0.25	$18,000	$18,573	$0	68.80



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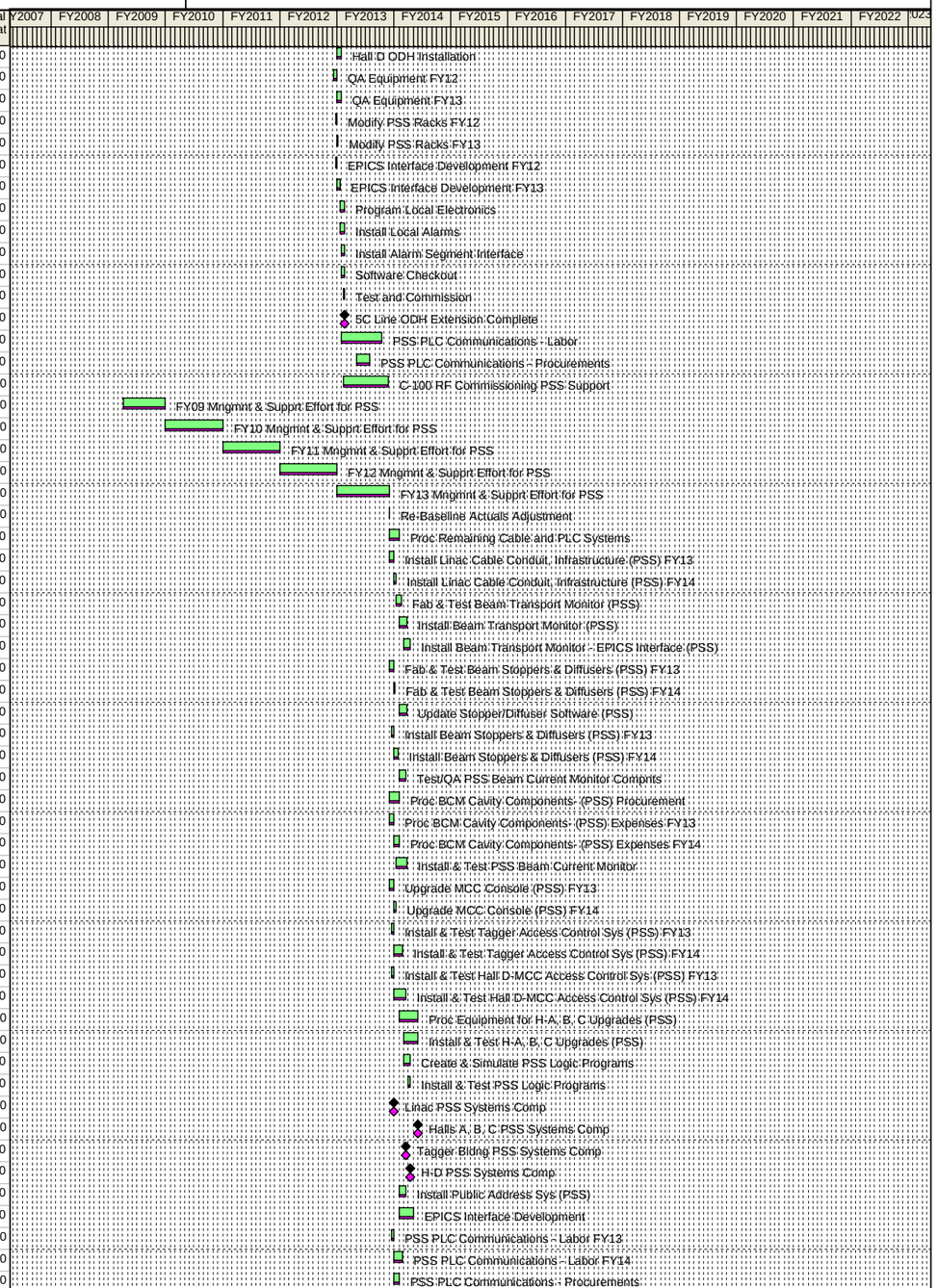
Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
13643260	Hall D ODH Installation	01-Oct-12	31-Oct-12	4.60	$5,315	3.10	$0	$5,315	$0	68.80
13643270	QA Equipment FY12	10-Sep-12	28-Sep-12	3.00	$484	0.24	$0	$570	$86	71.60
13643270a	QA Equipment FY13	01-Oct-12	26-Oct-12	4.00	$666	0.31	$0	$784	$118	71.60
13643275	Modify PSS Racks FY12	21-Sep-12	28-Sep-12	1.20	$600	0.33	$0	$700	$100	74.40
13643275a	Modify PSS Racks FY13	01-Oct-12	08-Oct-12	1.20	$619	0.33	$0	$722	$103	74.40
13643280	EPICS Interface Development FY12	21-Sep-12	28-Sep-12	1.20	$904	0.34	$0	$904	$0	72.80
13643280a	EPICS Interface Development FY13	01-Oct-12	18-Oct-12	2.80	$2,358	0.86	$0	$2,358	$0	72.80
13643320	Program Local Electronics	19-Oct-12	15-Nov-12	4.00	$2,912	1.00	$0	$2,912	$0	68.80
13643325	Install Local Alarms	19-Oct-12	15-Nov-12	4.00	$729	0.40	$0	$729	$0	68.80
13643330	Install Alarm Segment Interface	26-Oct-12	15-Nov-12	3.00	$364	0.20	$0	$364	$0	68.80
13643335	Software Checkout	01-Nov-12	15-Nov-12	2.20	$1,306	0.50	$0	$1,306	$0	68.80
13643340	Test and Commission	12-Nov-12	15-Nov-12	0.80	$1,082	0.45	$0	$1,082	$0	68.80
13643345	5C Line ODH Extension Complete		16-Nov-12	0.00	$0	0.00	$0	$0	$0	68.80
13643350	PSS PLC Communications - Labor	01-Nov-12	15-Jul-13	34.20	$10,497	4.04	$0	$10,497	$0	19.00
13643355	PSS PLC Communications - Procurements	01-Feb-13	30-Apr-13	12.40	$0	0.00	$9,500	$9,500	$0	19.00
13643360	C-100 RF Commissioning PSS Support	13-Nov-12	23-Aug-13	38.40	$19,989	10.15	$0	$19,989	$0	2.80
13643909LOE	FY09 Mngmnt & Supprt Effort for PSS	02-Jan-09	30-Sep-09	37.80	$2,531	1.30	$0	$2,531	$0	4.00
13643910LOE	FY10 Mngmnt & Supprt Effort for PSS	01-Oct-09	30-Sep-10	49.60	$3,426	1.70	$0	$3,426	$0	4.00
13643911LOE	FY11 Mngmnt & Supprt Effort for PSS	01-Oct-10	30-Sep-11	49.60	$43,088	17.60	$0	$43,088	$0	4.00
13643912LOE	FY12 Mngmnt & Supprt Effort for PSS	03-Oct-11	28-Sep-12	49.40	$44,461	17.60	$0	$44,461	$0	4.00
13643913LOE	FY13 Mngmnt & Supprt Effort for PSS	01-Oct-12	30-Aug-13	45.60	$42,179	16.18	$0	$42,179	$0	4.00
13643950	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$219,697	$219,697	$0	4.00
23643020b	Proc Remaining Cable and PLC Systems	03-Sep-13	31-Oct-13	8.60	$0	0.00	$4,279	$4,279	$0	15.20
23643045	Install Linac Cable Conduit, Infrastructure (PSS) FY13	03-Sep-13	30-Sep-13	4.00	$2,657	1.59	$0	$4,797	$2,141	15.20
23643045a	Install Linac Cable Conduit, Infrastructure (PSS) FY14	01-Oct-13	16-Oct-13	2.40	$1,594	0.95	$0	$2,878	$1,284	15.20
23643065	Fab & Test Beam Transport Monitor (PSS)	14-Oct-13	18-Nov-13	5.20	$3,097	1.70	$0	$3,097	$0	13.00
23643070	Install Beam Transport Monitor (PSS)	01-Nov-13	20-Dec-13	6.80	$23,214	9.00	$0	$23,214	$0	13.00
23643070a	Install Beam Transport Monitor - EPICS Interface (PSS)	02-Dec-13	10-Jan-14	4.40	$11,038	4.00	$0	$11,038	$0	13.00
23643100	Fab & Test Beam Stoppers & Diffusers (PSS) FY13	03-Sep-13	30-Sep-13	4.00	$13,732	6.42	$0	$21,794	$8,062	22.40
23643100a	Fab & Test Beam Stoppers & Diffusers (PSS) FY14	01-Oct-13	04-Oct-13	0.80	$2,746	1.28	$0	$4,359	$1,612	22.40
23643102	Update Stopper/Diffuser Software (PSS)	01-Nov-13	20-Dec-13	6.80	$2,708	1.00	$0	$2,708	$0	21.40
23643105	Install Beam Stoppers & Diffusers (PSS) FY13	16-Sep-13	30-Sep-13	2.20	$1,223	0.67	$0	$1,223	$0	21.40
23643105a	Install Beam Stoppers & Diffusers (PSS) FY14	01-Oct-13	30-Oct-13	4.40	$2,446	1.33	$0	$2,446	$0	21.40
23643115	Test/QA PSS Beam Current Monitor Compnts	01-Nov-13	16-Dec-13	6.00	$1,237	0.49	$0	$1,237	$0	14.40
23643117	Proc BCM Cavity Components- (PSS) Procurement	03-Sep-13	31-Oct-13	8.60	$0	0.00	$6,752	$6,752	$0	21.20
23643117a	Proc BCM Cavity Components- (PSS) Expenses FY13	03-Sep-13	30-Sep-13	4.00	$0	0.00	$0	$465	$465	21.10
23643117b	Proc BCM Cavity Components- (PSS) Expenses FY14	01-Oct-13	01-Nov-13	4.70	$0	0.00	$0	$535	$535	21.10
23643120	Install & Test PSS Beam Current Monitor	15-Oct-13	20-Dec-13	9.40	$15,717	7.20	$0	$15,717	$0	14.40
23643140	Upgrade MCC Console (PSS) FY13	03-Sep-13	30-Sep-13	4.00	$4,019	2.03	$0	$4,019	$0	23.60
23643140a	Upgrade MCC Console (PSS) FY14	01-Oct-13	15-Oct-13	2.20	$2,210	1.12	$0	$2,210	$0	23.60
23643145	Install & Test Tagger Access Control Sys (PSS) FY13	16-Sep-13	30-Sep-13	2.20	$2,949	1.42	$0	$2,949	$0	17.40
23643145a	Install & Test Tagger Access Control Sys (PSS) FY14	01-Oct-13	27-Nov-13	8.40	$11,259	5.44	$0	$11,259	$0	17.40
23643145b	Install & Test Hall D-MCC Access Control Sys (PSS) FY13	16-Sep-13	30-Sep-13	2.20	$2,791	1.35	$0	$2,791	$0	15.20
23643145ba	Install & Test Hall D-MCC Access Control Sys (PSS) FY14	01-Oct-13	16-Dec-13	10.60	$13,446	6.49	$0	$13,446	$0	15.20
23643150	Proc Equipment for H-A, B, C Upgrades (PSS)	04-Nov-13	28-Feb-14	14.80	$0	0.00	$7,242	$7,242	$0	3.60
23643155	Install & Test H-A, B, C Upgrades (PSS)	04-Dec-13	28-Feb-14	10.80	$8,377	4.00	$0	$8,377	$0	3.60
23643160	Create & Simulate PSS Logic Programs	03-Dec-13	15-Jan-14	4.80	$8,737	3.00	$0	$8,737	$0	12.40
23643165	Install & Test PSS Logic Programs	02-Jan-14	15-Jan-14	2.00	$11,104	4.12	$0	$11,104	$0	12.40
23643170M	Linac PSS Systems Comp		30-Sep-13	0.00	$0	0.00	$0	$0	$0	6.00
23643175M	Halls A, B, C PSS Systems Comp		28-Feb-14	0.00	$0	0.00	$0	$0	$0	3.60
23643180M	Tagger Bldng PSS Systems Comp		16-Dec-13	0.00	$0	0.00	$0	$0	$0	15.20
23643185M	H-D PSS Systems Comp		10-Jan-14	0.00	$0	0.00	$0	$0	$0	13.00
23643205	Install Public Address Sys (PSS)	04-Nov-13	16-Dec-13	5.80	$4,080	2.00	$0	$4,080	$0	15.20
23643280	EPICS Interface Development	04-Nov-13	31-Jan-14	10.80	$11,038	4.00	$0	$11,038	$0	10.20
23643350	PSS PLC Communications - Labor FY13	16-Sep-13	30-Sep-13	2.20	$1,491	0.57	$0	$1,491	$0	1.20
23643350a	PSS PLC Communications - Labor FY14	01-Oct-13	27-Nov-13	8.40	$5,693	2.19	$0	$5,693	$0	1.20
23643355	PSS PLC Communications - Procurements	03-Oct-13	31-Oct-13	4.20	$0	0.00	$9,500	$9,500	$0	1.20



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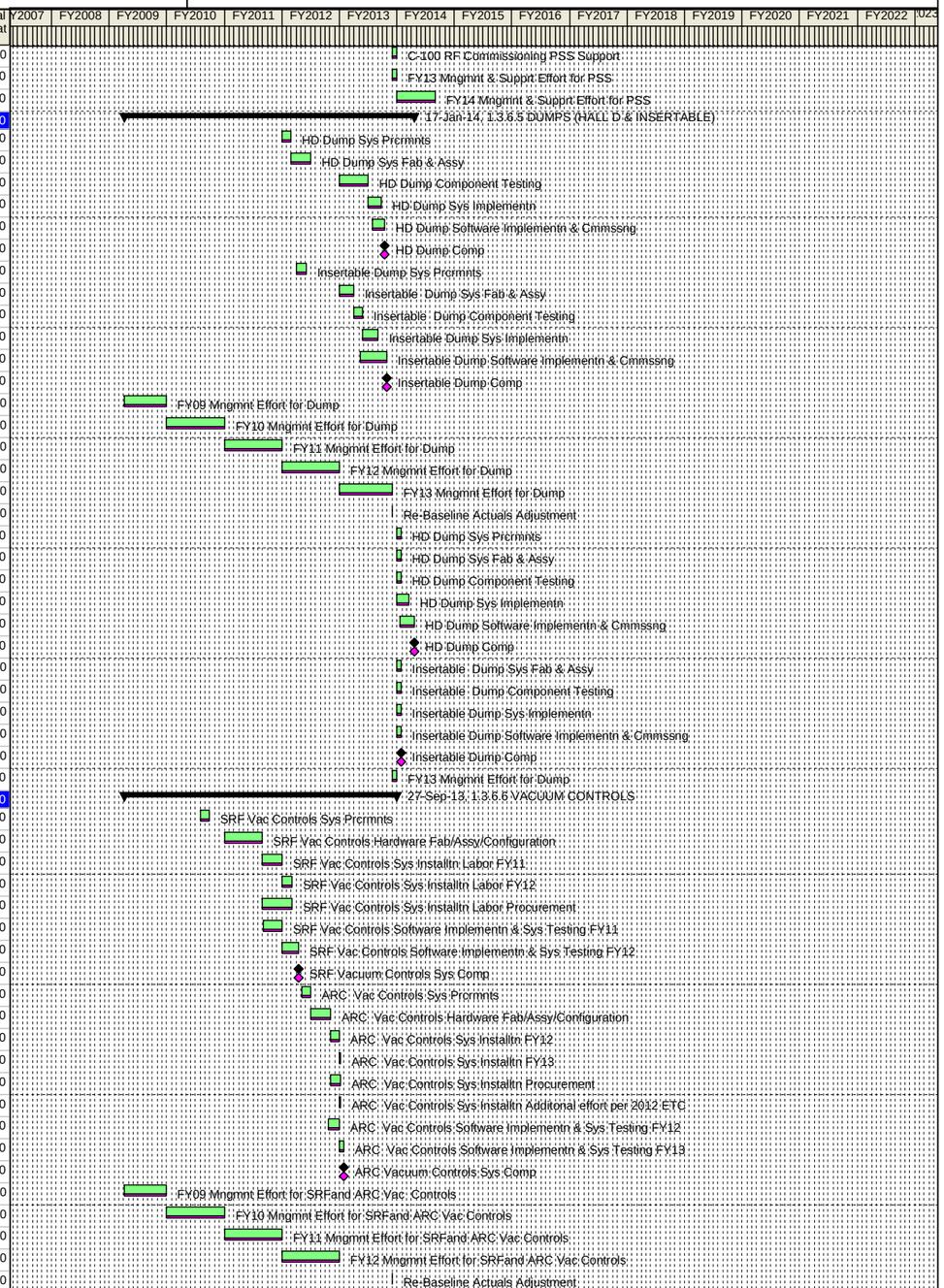
Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
23643360	C-100 RF Commissioning PSS Support	03-Sep-13	30-Sep-13	4.00	$2,998	1.52	$0	$2,998	$0	6.00
23643913LOE	FY13 Mngmnt & Supprt Effort for PSS	03-Sep-13	30-Sep-13	4.00	$3,458	1.44	$0	$3,458	$0	28.40
23643914LOE	FY14 Mngmnt & Supprt Effort for PSS	01-Oct-13	02-Jun-14	32.60	$25,935	10.89	$0	$25,935	$0	28.40
1.3.6.5 DUMPS (HALL D & INSERTABLE)		02-Jan-09	17-Jan-14	250.20	$223,165	97.09	($46,628)	$195,746	$19,209	11.80
1365014	HD Dump Sys Prcrmnts	03-Oct-11	29-Nov-11	8.00	$7,410	3.00	$17,550	$24,960	$0	62.00
1365015	HD Dump Sys Fab & Assy	30-Nov-11	30-Mar-12	16.00	$25,317	13.00	$5,850	$37,567	$6,400	62.00
1365020	HD Dump Component Testing	01-Oct-12	29-Mar-13	24.00	$37,776	14.00	$0	$37,776	$0	36.60
1365025	HD Dump Sys Implementn	01-Apr-13	24-Jun-13	12.00	$9,371	5.00	$2,415	$13,134	$1,349	36.60
1365030	HD Dump Software Implementn & Cmmssng	29-Apr-13	16-Jul-13	11.00	$34,048	13.00	$0	$34,048	$0	36.60
1365035M	HD Dump Comp		16-Jul-13	0.00	$0	0.00	$0	$0	$0	36.60
1365040	Insertable Dump Sys Prcrmnts	05-Jan-12	02-Mar-12	8.00	$1,765	1.00	$11,700	$13,465	$0	64.00
1365045	Insertable Dump Sys Fab & Assy	01-Oct-12	02-Jan-13	12.00	$15,099	8.00	$8,451	$29,780	$6,230	34.60
1365050	Insertable Dump Component Testing	03-Jan-13	22-Feb-13	7.00	$6,556	3.00	$0	$6,556	$0	34.60
1365055	Insertable Dump Sys Implementn	25-Feb-13	03-Jun-13	14.00	$13,014	7.00	$6,037	$20,400	$1,349	34.60
1365060	Insertable Dump Software Implementn & Cmmssng	08-Feb-13	30-Jul-13	24.00	$29,039	11.00	$0	$29,039	$0	34.60
1365065M	Insertable Dump Comp		30-Jul-13	0.00	$0	0.00	$0	$0	$0	34.60
1365909LOE	FY09 Mngmnt Effort for Dump	02-Jan-09	30-Sep-09	37.80	$314	0.08	$0	$314	$0	4.00
1365910LOE	FY10 Mngmnt Effort for Dump	01-Oct-09	30-Sep-10	49.60	$424	0.10	$0	$424	$0	4.00
1365911LOE	FY11 Mngmnt Effort for Dump	01-Oct-10	30-Sep-11	49.60	$2,628	0.60	$0	$2,628	$0	4.00
1365912LOE	FY12 Mngmnt Effort for Dump	03-Oct-11	28-Sep-12	49.40	$2,712	0.60	$0	$2,712	$0	4.00
1365913LOE	FY13 Mngmnt Effort for Dump	01-Oct-12	30-Aug-13	45.60	$2,572	0.55	$0	$2,572	$0	4.00
1365950	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($109,636)	($109,636)	$0	4.00
2365014	HD Dump Sys Prcrmnts	01-Oct-13	25-Oct-13	3.80	$1,457	0.80	$6,000	$7,457	$0	12.00
2365015	HD Dump Sys Fab & Assy	01-Oct-13	25-Oct-13	3.80	$7,286	4.00	$2,425	$10,211	$500	12.00
2365020	HD Dump Component Testing	01-Oct-13	25-Oct-13	3.80	$5,721	2.80	$0	$5,721	$0	12.00
2365025	HD Dump Sys Implementn	01-Oct-13	17-Dec-13	10.80	$6,560	3.50	$1,690	$11,386	$3,136	12.00
2365030	HD Dump Software Implementn & Cmmssng	21-Oct-13	17-Jan-14	11.00	$8,329	3.00	$0	$8,329	$0	12.00
2365035M	HD Dump Comp		17-Jan-14	0.00	$0	0.00	$0	$0	$0	12.00
2365045	Insertable Dump Sys Fab & Assy	01-Oct-13	25-Oct-13	3.80	$3,020	1.60	$890	$4,156	$246	2.20
2365050	Insertable Dump Component Testing	01-Oct-13	25-Oct-13	3.80	$1,457	0.80	$0	$1,457	$0	2.20
2365055	Insertable Dump Sys Implementn	01-Oct-13	25-Oct-13	3.80	$1,093	0.60	$0	$1,093	$0	2.20
2365060	Insertable Dump Software Implementn & Cmmssng	01-Oct-13	25-Oct-13	3.80	$0	0.00	$0	$0	$0	2.20
2365065M	Insertable Dump Comp		25-Oct-13	0.00	$0	0.00	$0	$0	$0	2.20
2365913LOE	FY13 Mngmnt Effort for Dump	03-Sep-13	30-Sep-13	4.00	$195	0.07	$0	$195	$0	17.80
1.3.6.6 VACUUM CONTROLS		02-Jan-09	27-Sep-13	235.80	$226,120	108.38	$676,738	$916,298	$13,441	26.20
1366014	SRF Vac Controls Sys Prcrmnts	03-May-10	28-Jun-10	8.00	$17,235	8.00	$225,251	$242,486	$0	100.80
1366015	SRF Vac Controls Hardware Fab/Assy/Configuration	01-Oct-10	26-May-11	32.00	$34,700	17.00	$79,369	$119,568	$5,499	87.60
1366020	SRF Vac Controls Sys Installtn Labor FY11	27-May-11	30-Sep-11	17.60	$21,180	12.18	$0	$21,180	$0	87.60
1366020a	SRF Vac Controls Sys Installtn Labor FY12	03-Oct-11	01-Dec-11	8.40	$10,430	5.82	$0	$10,430	$0	87.60
1366020b	SRF Vac Controls Sys Installtn Labor Procurement	27-May-11	01-Dec-11	26.00	$0	0.00	$28,346	$28,346	$0	87.60
1366025	SRF Vac Controls Software Implementn & Sys Testing FY11	06-Jun-11	30-Sep-11	16.60	$21,455	8.85	$0	$21,455	$0	87.60
1366025a	SRF Vac Controls Software Implementn & Sys Testing FY12	03-Oct-11	13-Jan-12	13.40	$17,872	7.15	$0	$17,872	$0	87.60
1366030M	SRF Vacuum Controls Sys Comp		13-Jan-12	0.00	$0	0.00	$0	$0	$0	87.60
1366035	ARC Vac Controls Sys Prcrmnts	03-Feb-12	30-Mar-12	8.00	$8,118	4.00	$73,710	$81,828	$0	71.00
1366040	ARC Vac Controls Hardware Fab/Assy/Configuration	02-Apr-12	07-Aug-12	18.00	$16,142	9.00	$17,550	$39,004	$5,312	71.00
1366045	ARC Vac Controls Sys Installtn FY12	08-Aug-12	28-Sep-12	7.40	$8,918	4.93	$0	$11,068	$2,150	71.00
1366045a	ARC Vac Controls Sys Installtn FY13	01-Oct-12	10-Oct-12	1.60	$1,990	1.07	$0	$2,470	$480	71.00
1366045b	ARC Vac Controls Sys Installtn Procurement	08-Aug-12	10-Oct-12	9.00	$0	0.00	$17,550	$17,550	$0	71.00
1366047	ARC Vac Controls Sys Installtn Additonal effort per 2012 ETC	01-Oct-12	10-Oct-12	1.60	$28,266	14.20	$12,000	$40,266	$0	71.00
1366050	ARC Vac Controls Software Implementn & Sys Testing FY12	25-Jul-12	28-Sep-12	9.40	$9,420	4.03	$0	$9,420	$0	71.00
1366050a	ARC Vac Controls Software Implementn & Sys Testing FY13	01-Oct-12	31-Oct-12	4.60	$4,757	1.97	$0	$4,757	$0	71.00
1366055M	ARC Vacuum Controls Sys Comp		31-Oct-12	0.00	$0	0.00	$0	$0	$0	71.00
1366909LOE	FY09 Mngmnt Effort for SRFand ARC Vac Controls	02-Jan-09	30-Sep-09	37.80	$314	0.08	$0	$314	$0	4.00
1366910LOE	FY10 Mngmnt Effort for SRFand ARC Vac Controls	01-Oct-09	30-Sep-10	49.60	$424	0.10	$0	$424	$0	4.00
1366911LOE	FY11 Mngmnt Effort for SRFand ARC Vac Controls	01-Oct-10	30-Sep-11	49.60	$3,942	0.90	$0	$3,942	$0	4.00
1366912LOE	FY12 Mngmnt Effort for SRFand ARC Vac Controls	03-Oct-11	28-Sep-12	49.40	$4,068	0.90	$0	$4,068	$0	4.00
1366950	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$222,962	$222,962	$0	4.00



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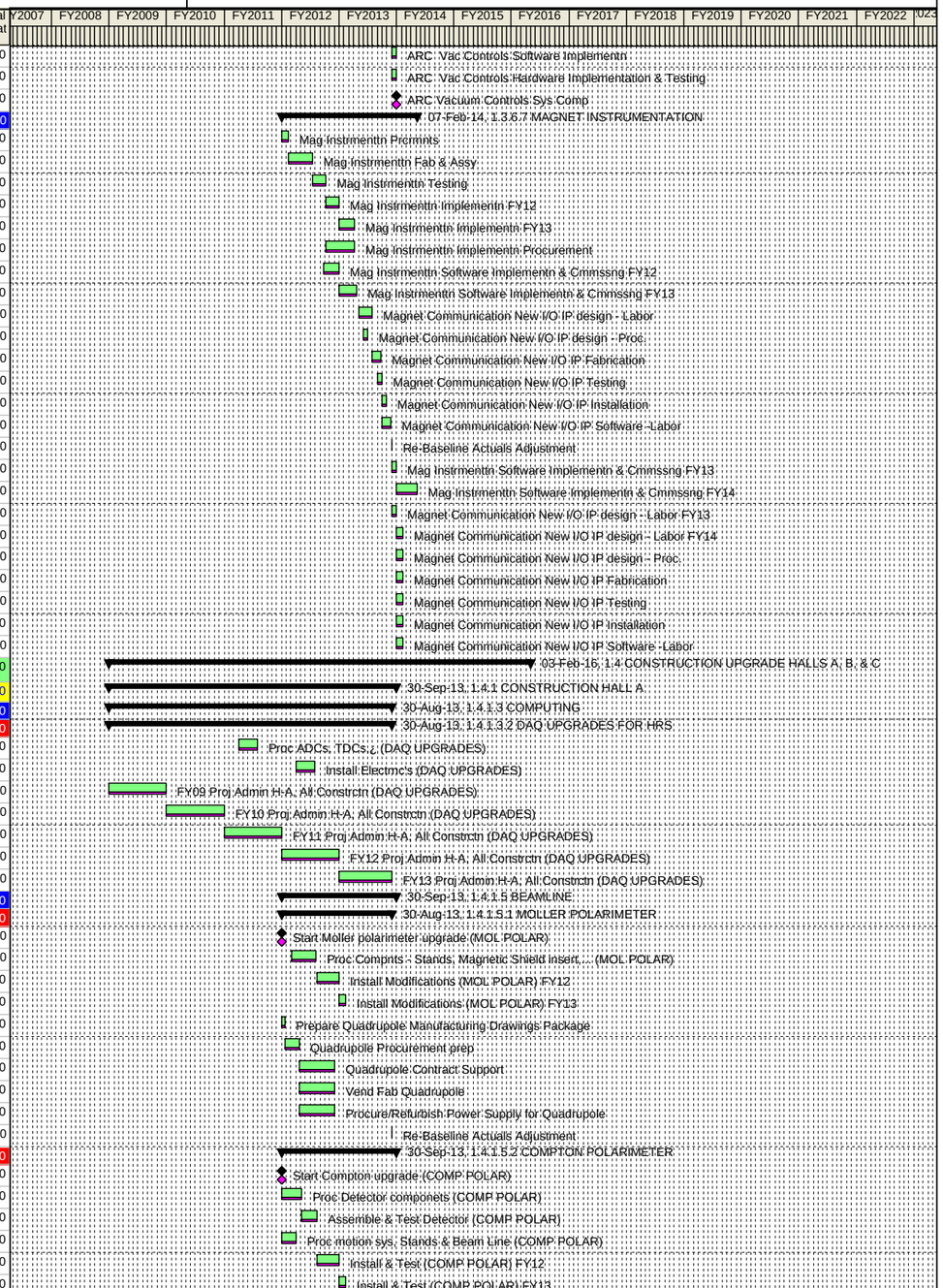
Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
2366050a	ARC Vac Controls Software Implementn	03-Sep-13	27-Sep-13	3.80	$5,958	2.20	$0	$5,958	$0	26.00
2366051	ARC Vac Controls Hardware Implementation & Testing	03-Sep-13	27-Sep-13	3.80	$10,930	6.00	$0	$10,930	$0	26.00
2366055M	ARC Vacuum Controls Sys Comp		27-Sep-13	0.00	$0	0.00	$0	$0	$0	26.00
1.3.6.7 MAGNET INSTRUMENTATION		03-Oct-11	07-Feb-14	116.00	$178,176	83.19	$44,853	$234,852	$11,823	9.00
1367005	Mag Instrmenttn Prcrmnts	03-Oct-11	11-Nov-11	6.00	$3,530	2.00	$77,220	$80,751	$0	37.00
1367010	Mag Instrmenttn Fab & Assy	14-Nov-11	13-Apr-12	20.00	$17,907	10.00	$28,080	$55,347	$9,360	37.00
1367015	Mag Instrmenttn Testing	16-Apr-12	10-Jul-12	12.00	$17,560	8.00	$4,680	$22,240	$0	37.00
1367020	Mag Instrmenttn Implementn FY12	11-Jul-12	28-Sep-12	11.40	$11,860	6.65	$0	$13,010	$1,150	37.00
1367020a	Mag Instrmenttn Implementn FY13	01-Oct-12	07-Jan-13	12.60	$13,527	7.35	$0	$14,839	$1,312	37.00
1367020b	Mag Instrmenttn Implementn Procurement	11-Jul-12	07-Jan-13	24.00	$0	0.00	$14,040	$14,040	$0	37.00
1367025	Mag Instrmenttn Software Implementn & Cmmssng FY12	27-Jun-12	28-Sep-12	13.40	$12,583	5.26	$0	$12,583	$0	37.00
1367025a	Mag Instrmenttn Software Implementn & Cmmssng FY13	01-Oct-12	22-Jan-13	14.60	$14,148	5.74	$0	$14,148	$0	37.00
1367030	Magnet Communication New I/O IP design - Labor	01-Feb-13	26-Apr-13	12.00	$16,167	6.30	$0	$16,167	$0	6.60
1367035	Magnet Communication New I/O IP design - Proc.	01-Mar-13	28-Mar-13	4.00	$3,860	1.70	$11,000	$14,860	$0	6.60
1367040	Magnet Communication New I/O IP Fabrication	01-May-13	26-Jun-13	8.00	$10,930	6.00	$4,000	$14,930	$0	6.60
1367045	Magnet Communication New I/O IP Testing	03-Jun-13	28-Jun-13	4.00	$5,682	2.70	$0	$5,682	$0	6.60
1367050	Magnet Communication New I/O IP Installation	01-Jul-13	29-Jul-13	4.00	$5,682	2.70	$0	$5,682	$0	6.60
1367055	Magnet Communication New I/O IP Software -Labor	01-Jul-13	26-Aug-13	8.00	$8,446	2.90	$0	$8,446	$0	6.80
1367060	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($99,868)	($99,868)	$0	4.00
2367025a	Mag Instrmenttn Software Implementn & Cmmssng FY13	03-Sep-13	30-Sep-13	4.00	$2,258	0.92	$0	$2,258	$0	9.20
2367025aa	Mag Instrmenttn Software Implementn & Cmmssng FY14	01-Oct-13	07-Feb-14	16.60	$9,369	3.80	$0	$9,369	$0	9.20
2367030	Magnet Communication New I/O IP design - Labor FY13	03-Sep-13	30-Sep-13	4.00	$425	0.17	$0	$425	$0	2.80
2367030a	Magnet Communication New I/O IP design - Labor FY14	01-Oct-13	13-Nov-13	6.40	$680	0.27	$0	$680	$0	2.80
2367035	Magnet Communication New I/O IP design - Proc.	02-Oct-13	13-Nov-13	6.20	$1,158	0.51	$3,300	$4,458	$0	2.80
2367040	Magnet Communication New I/O IP Fabrication	02-Oct-13	13-Nov-13	6.20	$6,558	3.60	$2,400	$8,958	$0	2.80
2367045	Magnet Communication New I/O IP Testing	02-Oct-13	12-Nov-13	6.00	$4,546	2.16	$0	$4,546	$0	2.80
2367050	Magnet Communication New I/O IP Installation	01-Oct-13	11-Nov-13	6.00	$4,546	2.16	$0	$4,546	$0	17.20
2367055	Magnet Communication New I/O IP Software -Labor	01-Oct-13	11-Nov-13	6.00	$6,757	2.32	$0	$6,757	$0	2.80
1.4 CONSTRUCTION UPGRADE HALLS A, B, & C		01-Oct-08	03-Feb-16	362.80	$23,449,636	11728.63	$56,020,320	$84,410,251	$4,940,294	83.00
1.4.1 CONSTRUCTION HALL A		01-Oct-08	30-Sep-13	247.80	$234,742	140.40	$351,477	$599,510	$13,292	11.40
1.4.1.3 COMPUTING		01-Oct-08	30-Aug-13	243.80	$0	0.00	$0	$0	$0	15.40
1.4.1.3.2 DAQ UPGRADES FOR HRS		01-Oct-08	30-Aug-13	243.80	$0	0.00	$0	$0	$0	15.40
14132018	Proc ADCs, TDCs,¿ (DAQ UPGRADES)	05-Jan-11	28-Apr-11	16.00	$0	0.00	$0	$0	$0	116.20
14132020	Install Electrnc's (DAQ UPGRADES)	05-Jan-12	26-Apr-12	15.80	$0	0.00	$0	$0	$0	82.60
14132909LOE	FY09 Proj Admin H-A, All Constrctn (DAQ UPGRADES)	01-Oct-08	30-Sep-09	49.60	$0	0.00	$0	$0	$0	4.00
14132910LOE	FY10 Proj Admin H-A, All Constrctn (DAQ UPGRADES)	01-Oct-09	30-Sep-10	49.60	$0	0.00	$0	$0	$0	4.00
14132911LOE	FY11 Proj Admin H-A, All Constrctn (DAQ UPGRADES)	01-Oct-10	30-Sep-11	49.60	$0	0.00	$0	$0	$0	4.00
14132912LOE	FY12 Proj Admin H-A, All Constrctn (DAQ UPGRADES)	03-Oct-11	28-Sep-12	49.40	$0	0.00	$0	$0	$0	4.00
14132913LOE	FY13 Proj Admin H-A, All Constrctn (DAQ UPGRADES)	01-Oct-12	30-Aug-13	45.60	$0	0.00	$0	$0	$0	4.00
1.4.1.5 BEAMLINE		03-Oct-11	30-Sep-13	99.00	$234,742	140.40	$351,477	$599,510	$13,292	11.40
1.4.1.5.1 MOLLER POLARIMETER		03-Oct-11	30-Aug-13	95.00	$44,239	21.00	$173,320	$222,914	$5,355	15.40
14151000M	Start Moller polarimeter upgrade (MOL POLAR)	03-Oct-11		0.00	$0	0.00	$0	$0	$0	1.00
14151005	Proc Compnts - Stands, Magnetic Shield insert,... (MOL POLAR)	07-Dec-11	04-May-12	20.00	$0	0.00	$49,503	$49,503	$0	1.00
14151010	Install Modifications (MOL POLAR) FY12	14-May-12	28-Sep-12	19.40	$16,010	8.95	$0	$19,973	$3,963	54.40
14151010a	Install Modifications (MOL POLAR) FY13	01-Oct-12	14-Nov-12	6.60	$5,621	3.05	$0	$7,012	$1,391	54.40
14151015	Prepare Quadrupole Manufacturing Drawings Package	03-Oct-11	21-Oct-11	3.00	$5,780	3.00	$0	$5,780	$0	54.60
14151020	Quadrupole Procurement prep	24-Oct-11	20-Jan-12	11.20	$5,610	2.00	$0	$5,610	$0	54.60
14151025	Quadrupole Contract Support	23-Jan-12	31-Aug-12	31.40	$11,219	4.00	$0	$11,219	$0	54.60
14151030	Vend Fab Quadrupole	23-Jan-12	31-Aug-12	31.40	$0	0.00	$41,276	$41,276	$0	54.60
14151035	Procure/Refurbish Power Supply for Quadrupole	23-Jan-12	31-Aug-12	31.40	$0	0.00	$6,088	$6,088	$0	54.60
14151040	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$76,453	$76,453	$0	4.00
1.4.1.5.2 COMPTON POLARIMETER		03-Oct-11	30-Sep-13	99.00	$110,026	63.00	$205,640	$315,666	$0	11.40
14152000M	Start Compton upgrade (COMP POLAR)	03-Oct-11		0.00	$0	0.00	$0	$0	$0	18.00
14152005	Proc Detector componets (COMP POLAR)	03-Oct-11	02-Feb-12	16.00	$0	0.00	$108,670	$108,670	$0	54.40
14152010	Assemble & Test Detector (COMP POLAR)	03-Feb-12	11-May-12	14.00	$19,692	12.00	$0	$19,692	$0	54.40
14152015	Proc motion sys, Stands & Beam Line (COMP POLAR)	03-Oct-11	04-Jan-12	12.00	$0	0.00	$77,150	$77,150	$0	18.00
14152020	Install & Test (COMP POLAR) FY12	14-May-12	28-Sep-12	19.40	$62,674	35.82	$0	$62,674	$0	54.40
14152025	Install & Test (COMP POLAR) FY13	01-Oct-12	14-Nov-12	6.60	$22,003	12.18	$0	$22,003	$0	54.40



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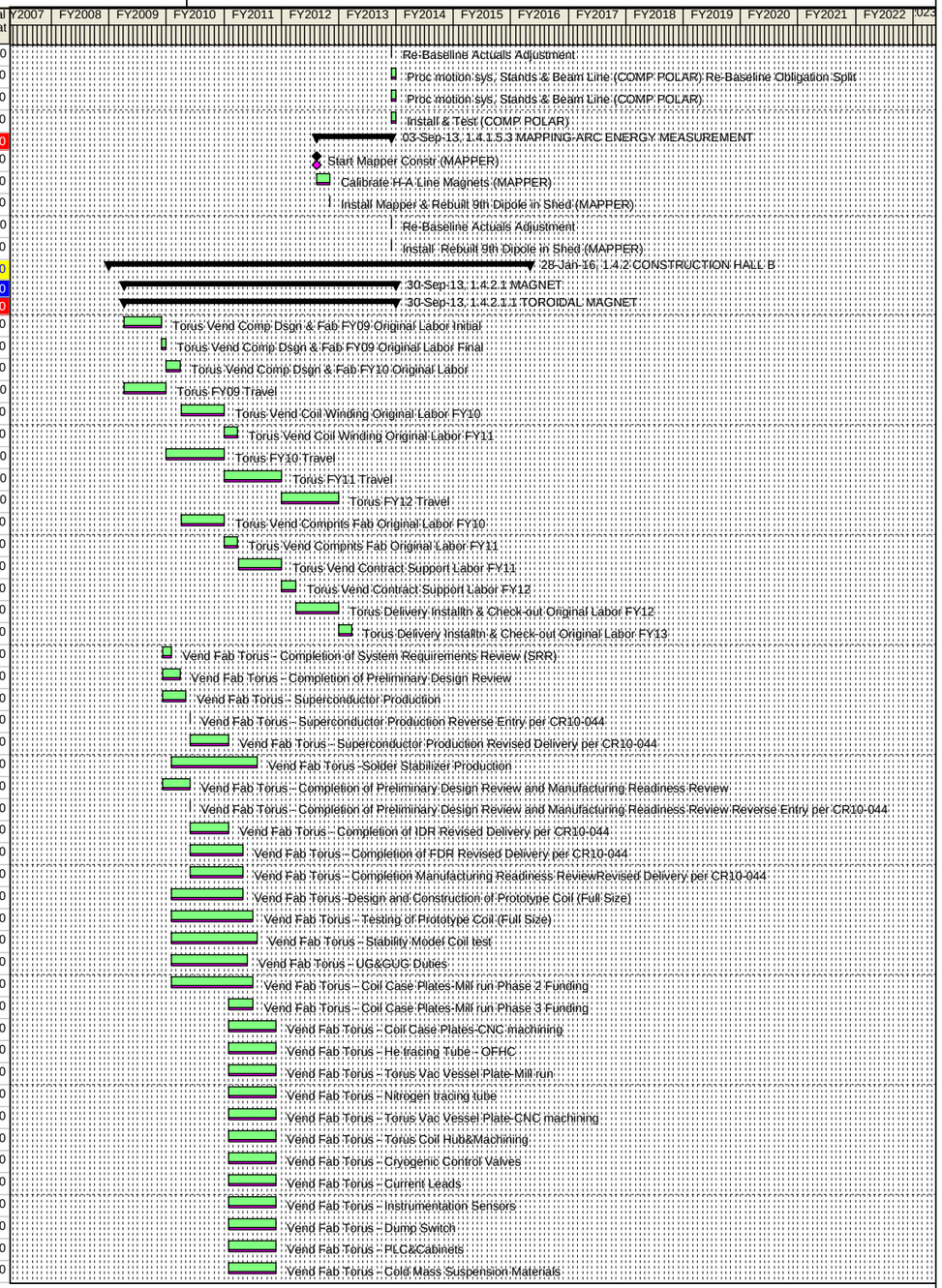
Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
14152030	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$15,962	$15,962	$0	4.00
24152015	Proc motion sys, Stands & Beam Line (COMP POLAR) Re-Baseline Obligation Split	03-Sep-13	30-Sep-13	4.00	$0	0.00	$12	$12	$0	11.40
24152020	Proc motion sys, Stands & Beam Line (COMP POLAR)	03-Sep-13	30-Sep-13	4.00	$0	0.00	$3,846	$3,846	$0	11.40
24152025	Install & Test (COMP POLAR)	03-Sep-13	30-Sep-13	4.00	$5,657	3.00	$0	$5,657	$0	11.40
1.4.1.5.3 MAPPING-ARC ENERGY MEASUREMENT		14-May-12	03-Sep-13	65.20	$80,476	56.40	($27,483)	$60,930	$7,937	15.20
14153000M	Start Mapper Constr (MAPPER)	14-May-12		0.00	$0	0.00	$0	$0	$0	68.20
14153010	Calibrate H-A Line Magnets (MAPPER)	14-May-12	07-Aug-12	12.00	$80,476	56.40	$0	$88,413	$7,937	68.20
14153020	Install Mapper & Rebuilt 9th Dipole in Shed (MAPPER)	08-Aug-12	08-Aug-12	0.20	$0	0.00	$0	$0	$0	68.20
14153025	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($27,483)	($27,483)	$0	4.00
24153020	Install Rebuilt 9th Dipole in Shed (MAPPER)	03-Sep-13	03-Sep-13	0.20	$0	0.00	$0	$0	$0	15.20
1.4.2 CONSTRUCTION HALL B		01-Oct-08	28-Jan-16	362.00	$16,778,353	8716.43	$34,872,600	$55,290,774	$3,639,820	83.80
1.4.2.1 MAGNET		02-Jan-09	30-Sep-13	236.00	$663,470	338.00	$4,601,740	$5,499,172	$233,962	160.60
1.4.2.1.1 TOROIDAL MAGNET		02-Jan-09	30-Sep-13	236.00	$448,287	217.00	$2,979,509	$3,596,713	$168,917	160.60
14211004	Torus Vend Comp Dsgn & Fab FY09 Original Labor Initial	05-Jan-09	31-Aug-09	33.40	$78,291	39.53	$0	$78,291	$0	166.00
14211004A	Torus Vend Comp Dsgn & Fab FY09 Original Labor Final	01-Sep-09	30-Sep-09	4.20	$9,845	4.97	$0	$9,845	$0	150.40
14211004B	Torus Vend Comp Dsgn & Fab FY10 Original Labor	01-Oct-09	29-Dec-09	11.40	$27,573	13.49	$0	$27,573	$0	150.40
14211009E	Torus FY09 Travel	02-Jan-09	30-Sep-09	37.80	$0	0.00	$0	$6,086	$6,086	0.00
14211010	Torus Vend Coil Winding Original Labor FY10	05-Jan-10	30-Sep-10	37.60	$93,671	46.04	$0	$93,671	$0	149.80
14211010a	Torus Vend Coil Winding Original Labor FY11	01-Oct-10	29-Dec-10	11.40	$29,306	13.96	$0	$29,306	$0	149.80
14211010E	Torus FY10 Travel	01-Oct-09	30-Sep-10	49.60	$0	0.00	$0	$8,241	$8,241	0.00
14211011E	Torus FY11 Travel	01-Oct-10	30-Sep-11	49.60	$0	0.00	$0	$8,504	$8,504	0.00
14211012E	Torus FY12 Travel	03-Oct-11	28-Sep-12	49.40	$0	0.00	$0	$8,775	$8,775	0.00
14211015	Torus Vend Compnts Fab Original Labor FY10	05-Jan-10	30-Sep-10	37.60	$48,667	23.56	$0	$48,667	$0	149.80
14211015a	Torus Vend Compnts Fab Original Labor FY11	01-Oct-10	29-Dec-10	11.40	$15,225	7.14	$0	$15,225	$0	149.80
14211020	Torus Vend Contract Support Labor FY11	05-Jan-11	30-Sep-11	37.60	$52,303	24.33	$0	$52,303	$0	149.20
14211020a	Torus Vend Contract Support Labor FY12	03-Oct-11	29-Dec-11	11.40	$16,363	7.38	$0	$16,363	$0	149.20
14211025	Torus Delivery Installtn & Check-out Original Labor FY12	05-Jan-12	28-Sep-12	37.40	$58,362	27.94	$0	$162,382	$104,020	148.60
14211025a	Torus Delivery Installtn & Check-out Original Labor FY13	01-Oct-12	21-Dec-12	11.60	$18,681	8.66	$0	$51,973	$33,292	148.60
14211030	Vend Fab Torus - Completion of System Requirements Review (SRR)	04-Sep-09	30-Oct-09	8.00	$0	0.00	$112,000	$112,000	$0	244.00
14211035	Vend Fab Torus - Completion of Preliminary Design Review	04-Sep-09	30-Dec-09	15.20	$0	0.00	$274,000	$274,000	$0	244.00
14211040	Vend Fab Torus - Superconductor Production	04-Sep-09	29-Jan-10	19.20	$0	0.00	$262,000	$262,000	$0	244.00
14211040A	Vend Fab Torus - Superconductor Production Reverse Entry per CR10-044	01-Mar-10	01-Mar-10	0.20	$0	0.00	($262,000)	($262,000)	$0	240.00
14211040B	Vend Fab Torus - Superconductor Production Revised Delivery per CR10-044	01-Mar-10	29-Oct-10	34.40	$0	0.00	$262,000	$262,000	$0	231.00
14211040C	Vend Fab Torus -Solder Stabilizer Production	02-Nov-09	29-Apr-11	73.40	$0	0.00	$70,000	$70,000	$0	231.00
14211045	Vend Fab Torus - Completion of Preliminary Design Review and Manufacturing Readine...	04-Sep-09	26-Feb-10	23.00	$0	0.00	$324,000	$324,000	$0	240.00
14211045A	Vend Fab Torus - Completion of Preliminary Design Review and Manufacturing Readine...	01-Mar-10	01-Mar-10	0.20	$0	0.00	($324,000)	($324,000)	$0	240.00
14211045B	Vend Fab Torus - Completion of IDR Revised Delivery per CR10-044	01-Mar-10	29-Oct-10	34.40	$0	0.00	$108,000	$108,000	$0	247.20
14211045C	Vend Fab Torus - Completion of FDR Revised Delivery per CR10-044	01-Mar-10	31-Jan-11	45.80	$0	0.00	$108,000	$108,000	$0	247.20
14211045D	Vend Fab Torus - Completion Manufacturing Readiness ReviewRevised Delivery per CR...	01-Mar-10	31-Jan-11	45.80	$0	0.00	$108,000	$108,000	$0	247.20
14211050	Vend Fab Torus -Design and Construction of Prototype Coil (Full Size)	02-Nov-09	31-Jan-11	60.80	$0	0.00	$203,000	$203,000	$0	240.00
14211050A	Vend Fab Torus - Testing of Prototype Coil (Full Size)	02-Nov-09	31-Mar-11	69.20	$0	0.00	$203,000	$203,000	$0	240.00
14211050Ab	Vend Fab Torus - Stability Model Coil test	02-Nov-09	29-Apr-11	73.40	$0	0.00	$55,409	$55,409	$0	263.80
14211050Ac	Vend Fab Torus - UG&GUG Duties	02-Nov-09	28-Feb-11	64.60	$0	0.00	$101,459	$101,459	$0	263.80
14211050Ad	Vend Fab Torus - Coil Case Plates-Mill run Phase 2 Funding	02-Nov-09	31-Mar-11	69.20	$0	0.00	$41,532	$41,532	$0	263.80
14211050AdA	Vend Fab Torus - Coil Case Plates-Mill run Phase 3 Funding	01-Nov-10	31-Mar-11	19.80	$0	0.00	$22,799	$22,799	$0	263.80
14211051	Vend Fab Torus - Coil Case Plates-CNC machining	01-Nov-10	31-Aug-11	41.20	$0	0.00	$56,225	$56,225	$0	263.80
14211051a	Vend Fab Torus - He tracing Tube - OFHC	01-Nov-10	31-Aug-11	41.20	$0	0.00	$16,291	$16,291	$0	263.80
14211051b	Vend Fab Torus - Torus Vac Vessel Plate-Mill run	01-Nov-10	31-Aug-11	41.20	$0	0.00	$125,000	$125,000	$0	263.80
14211051c	Vend Fab Torus - Nitrogen tracing tube	01-Nov-10	31-Aug-11	41.20	$0	0.00	$7,425	$7,425	$0	263.80
14211051d	Vend Fab Torus - Torus Vac Vessel Plate-CNC machining	01-Nov-10	31-Aug-11	41.20	$0	0.00	$100,000	$100,000	$0	263.80
14211051f	Vend Fab Torus - Torus Coil Hub&Machining	01-Nov-10	31-Aug-11	41.20	$0	0.00	$12,260	$12,260	$0	263.80
14211051g	Vend Fab Torus - Cryogenic Control Valves	01-Nov-10	31-Aug-11	41.20	$0	0.00	$40,000	$40,000	$0	263.80
14211051h	Vend Fab Torus - Current Leads	01-Nov-10	31-Aug-11	41.20	$0	0.00	$30,000	$30,000	$0	263.80
14211051j	Vend Fab Torus - Instrumentation Sensors	01-Nov-10	31-Aug-11	41.20	$0	0.00	$50,000	$50,000	$0	263.80
14211051k	Vend Fab Torus - Dump Switch	01-Nov-10	31-Aug-11	41.20	$0	0.00	$50,000	$50,000	$0	263.80
14211051n	Vend Fab Torus - PLC&Cabinets	01-Nov-10	31-Aug-11	41.20	$0	0.00	$12,000	$12,000	$0	263.80
14211051o	Vend Fab Torus - Cold Mass Suspension Materials	01-Nov-10	31-Aug-11	41.20	$0	0.00	$50,000	$50,000	$0	263.80



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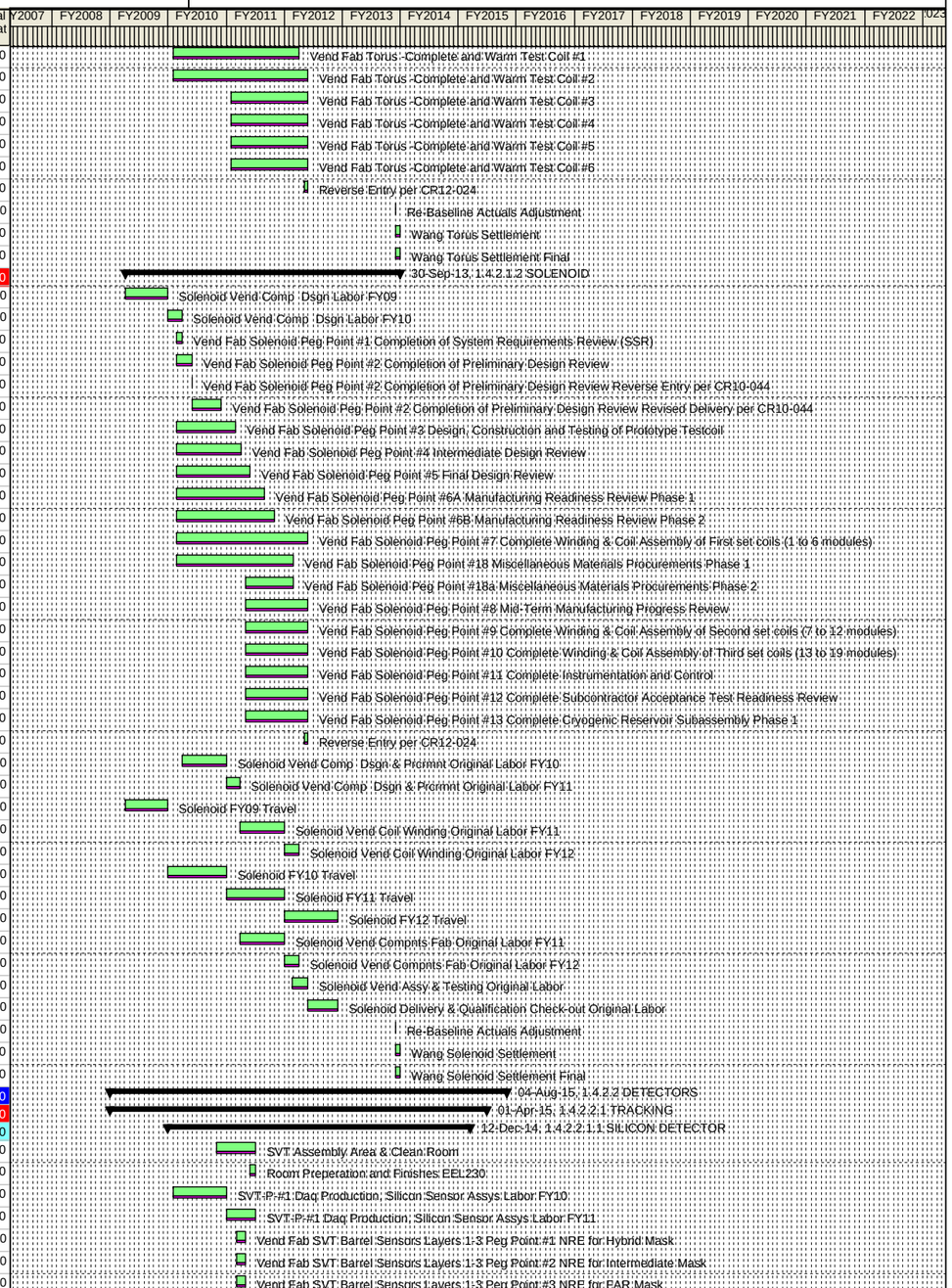
Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
14211055	Vend Fab Torus -Complete and Warm Test Coil #1	02-Nov-09	30-Dec-11	106.40	$0	0.00	$282,600	$282,600	$0	240.00
14211060	Vend Fab Torus -Complete and Warm Test Coil #2	02-Nov-09	29-Feb-12	114.40	$0	0.00	$235,000	$235,000	$0	240.00
14211065	Vend Fab Torus -Complete and Warm Test Coil #3	01-Nov-10	29-Feb-12	65.00	$0	0.00	$235,000	$235,000	$0	240.00
14211070	Vend Fab Torus -Complete and Warm Test Coil #4	01-Nov-10	29-Feb-12	65.00	$0	0.00	$235,000	$235,000	$0	240.00
14211075	Vend Fab Torus -Complete and Warm Test Coil #5	01-Nov-10	29-Feb-12	65.00	$0	0.00	$235,000	$235,000	$0	240.00
14211080	Vend Fab Torus -Complete and Warm Test Coil #6	01-Nov-10	29-Feb-12	65.00	$0	0.00	$235,000	$235,000	$0	240.00
14211085	Reverse Entry per CR12-024	03-Feb-12	29-Feb-12	3.60	$0	0.00	($1,847,553)	($1,847,553)	$0	29.80
14211095	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$512,279	$512,279	$0	4.00
24211090	Wang Torus Settlement	03-Sep-13	30-Sep-13	4.00	$0	0.00	$217,518	$217,518	$0	160.20
24211095	Wang Torus Settlement Final	03-Sep-13	30-Sep-13	4.00	$0	0.00	$421,264	$421,264	$0	160.20
1.4.2.1.2 SOLENOID		02-Jan-09	30-Sep-13	236.00	$215,183	121.00	$1,622,232	$1,902,459	$65,045	160.60
14212005	Solenoid Vend Comp Dsgn Labor FY09	05-Jan-09	30-Sep-09	37.60	$21,547	13.43	$0	$21,547	$0	3.80
14212005b	Solenoid Vend Comp Dsgn Labor FY10	01-Oct-09	29-Dec-09	11.40	$6,741	4.07	$0	$6,741	$0	3.80
14212005c	Vend Fab Solenoid Peg Point #1 Completion of System Requirements Review (SSR)	20-Nov-09	30-Dec-09	4.40	$0	0.00	$100,000	$100,000	$0	240.00
14212005d	Vend Fab Solenoid Peg Point #2 Completion of Preliminary Design Review	20-Nov-09	26-Feb-10	12.20	$0	0.00	$100,000	$100,000	$0	240.00
14212005dA	Vend Fab Solenoid Peg Point #2 Completion of Preliminary Design Review Reverse Ent...	01-Mar-10	01-Mar-10	0.20	$0	0.00	($100,000)	($100,000)	$0	240.00
14212005dB	Vend Fab Solenoid Peg Point #2 Completion of Preliminary Design Review Revised Deli...	01-Mar-10	31-Aug-10	26.00	$0	0.00	$100,000	$100,000	$0	240.40
14212005f	Vend Fab Solenoid Peg Point #3 Design, Construction and Testing of Prototype Testcoil	20-Nov-09	30-Nov-10	50.60	$0	0.00	$200,000	$200,000	$0	240.00
14212005g	Vend Fab Solenoid Peg Point #4 Intermediate Design Review	20-Nov-09	30-Dec-10	54.00	$0	0.00	$200,000	$200,000	$0	240.00
14212005h	Vend Fab Solenoid Peg Point #5 Final Design Review	20-Nov-09	28-Feb-11	61.80	$0	0.00	$200,000	$200,000	$0	240.00
14212005j	Vend Fab Solenoid Peg Point #6A Manufacturing Readiness Review Phase 1	20-Nov-09	27-May-11	74.60	$0	0.00	$25,000	$25,000	$0	240.00
14212005jA	Vend Fab Solenoid Peg Point #6B Manufacturing Readiness Review Phase 2	20-Nov-09	29-Jul-11	83.20	$0	0.00	$25,000	$25,000	$0	240.00
14212005k	Vend Fab Solenoid Peg Point #7 Complete Winding & Coil Assembly of First set coils (1...	20-Nov-09	28-Feb-12	111.40	$0	0.00	$50,000	$50,000	$0	240.00
14212005kA	Vend Fab Solenoid Peg Point #18 Miscellaneous Materials Procurements Phase 1	20-Nov-09	30-Nov-11	100.20	$0	0.00	$100,000	$100,000	$0	240.00
14212005kA5	Vend Fab Solenoid Peg Point #18a Miscellaneous Materials Procurements Phase 2	01-Feb-11	30-Nov-11	42.20	$0	0.00	$452,210	$452,210	$0	240.00
14212005n	Vend Fab Solenoid Peg Point #8 Mid-Term Manufacturing Progress Review	01-Feb-11	29-Feb-12	53.60	$0	0.00	$48,790	$48,790	$0	240.00
14212005o	Vend Fab Solenoid Peg Point #9 Complete Winding & Coil Assembly of Second set coil...	01-Feb-11	29-Feb-12	53.60	$0	0.00	$50,000	$50,000	$0	240.00
14212005p	Vend Fab Solenoid Peg Point #10 Complete Winding & Coil Assembly of Third set coils ...	01-Feb-11	29-Feb-12	53.60	$0	0.00	$50,000	$50,000	$0	240.00
14212005q	Vend Fab Solenoid Peg Point #11 Complete Instrumentation and Control	01-Feb-11	29-Feb-12	53.60	$0	0.00	$80,000	$80,000	$0	240.00
14212005r	Vend Fab Solenoid Peg Point #12 Complete Subcontractor Acceptance Test Readiness ...	01-Feb-11	29-Feb-12	53.60	$0	0.00	$50,000	$50,000	$0	240.00
14212005s	Vend Fab Solenoid Peg Point #13 Complete Cryogenic Reservoir Subassembly Phase 1	01-Feb-11	29-Feb-12	53.60	$0	0.00	$69,000	$69,000	$0	240.00
14212005sA	Reverse Entry per CR12-024	03-Feb-12	29-Feb-12	3.60	$0	0.00	($808,277)	($808,277)	$0	29.80
14212007	Solenoid Vend Comp Dsgn & Prcrmnt Original Labor FY10	30-Dec-09	30-Sep-10	38.20	$22,315	13.48	$0	$22,315	$0	3.80
14212007a	Solenoid Vend Comp Dsgn & Prcrmnt Original Labor FY11	01-Oct-10	29-Dec-10	11.40	$6,873	4.02	$0	$6,873	$0	3.80
14212009E	Solenoid FY09 Travel	02-Jan-09	30-Sep-09	37.80	$0	0.00	$0	$6,086	$6,086	3.80
14212010	Solenoid Vend Coil Winding Original Labor FY11	30-Dec-10	30-Sep-11	38.20	$30,862	16.56	$0	$30,862	$0	3.80
14212010a	Solenoid Vend Coil Winding Original Labor FY12	03-Oct-11	29-Dec-11	11.40	$9,504	4.94	$0	$9,504	$0	3.80
14212010E	Solenoid FY10 Travel	01-Oct-09	30-Sep-10	49.60	$0	0.00	$0	$8,241	$8,241	3.80
14212011E	Solenoid FY11 Travel	01-Oct-10	30-Sep-11	49.60	$0	0.00	$0	$8,504	$8,504	3.80
14212012E	Solenoid FY12 Travel	03-Oct-11	31-Aug-12	45.60	$0	0.00	$0	$8,775	$8,775	3.80
14212015	Solenoid Vend Compnts Fab Original Labor FY11	30-Dec-10	30-Sep-11	38.20	$24,827	14.25	$0	$24,827	$0	3.80
14212015a	Solenoid Vend Compnts Fab Original Labor FY12	03-Oct-11	29-Dec-11	11.40	$7,647	4.25	$0	$7,647	$0	3.80
14212020	Solenoid Vend Assy & Testing Original Labor	23-Nov-11	29-Feb-12	12.20	$43,846	23.50	$0	$43,846	$0	3.80
14212025	Solenoid Delivery & Qualification Check-out Original Labor	01-Mar-12	31-Aug-12	26.00	$41,022	22.50	$0	$74,461	$33,439	3.80
14212030	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$307,509	$307,509	$0	4.00
24212000	Wang Solenoid Settlement	03-Sep-13	30-Sep-13	4.00	$0	0.00	$36,925	$36,925	$0	160.20
24212005	Wang Solenoid Settlement Final	03-Sep-13	30-Sep-13	4.00	$0	0.00	$286,076	$286,076	$0	160.20
1.4.2.2 DETECTORS		01-Oct-08	04-Aug-15	338.80	$6,705,713	4238.53	$13,087,040	$21,768,596	$1,975,842	107.00
1.4.2.2.1 TRACKING		01-Oct-08	01-Apr-15	321.60	$3,075,164	1687.51	$7,618,346	$11,880,468	$1,186,958	124.20
1.4.2.2.1.1 SILICON DETECTOR		01-Oct-09	12-Dec-14	258.00	$1,877,353	992.31	$4,017,325	$6,016,237	$121,559	138.20
142211004	SVT Assembly Area & Clean Room	02-Aug-10	31-Mar-11	32.60	$0	0.00	$120,000	$120,000	$0	108.60
142211004a	Room Preperation and Finishes EEL230	01-Mar-11	31-Mar-11	4.60	$0	0.00	$50,000	$50,000	$0	29.60
142211005	SVT-P-#1 Daq Production, Silicon Sensor Assys Labor FY10	02-Nov-09	30-Sep-10	45.20	$108,367	119.39	$0	$116,058	$7,691	107.80
142211005a	SVT-P-#1 Daq Production, Silicon Sensor Assys Labor FY11	01-Oct-10	06-Apr-11	24.80	$61,353	65.51	$0	$65,708	$4,354	107.80
142211005b	Vend Fab SVT Barrel Sensors Layers 1-3 Peg Point #1 NRE for Hybrid Mask	07-Dec-10	31-Jan-11	6.60	$0	0.00	$51,800	$51,800	$0	4.00
142211005c	Vend Fab SVT Barrel Sensors Layers 1-3 Peg Point #2 NRE for Intermediate Mask	07-Dec-10	31-Jan-11	6.60	$0	0.00	$51,800	$51,800	$0	4.00
142211005d	Vend Fab SVT Barrel Sensors Layers 1-3 Peg Point #3 NRE for FAR Mask	07-Dec-10	31-Jan-11	6.60	$0	0.00	$51,800	$51,800	$0	4.00



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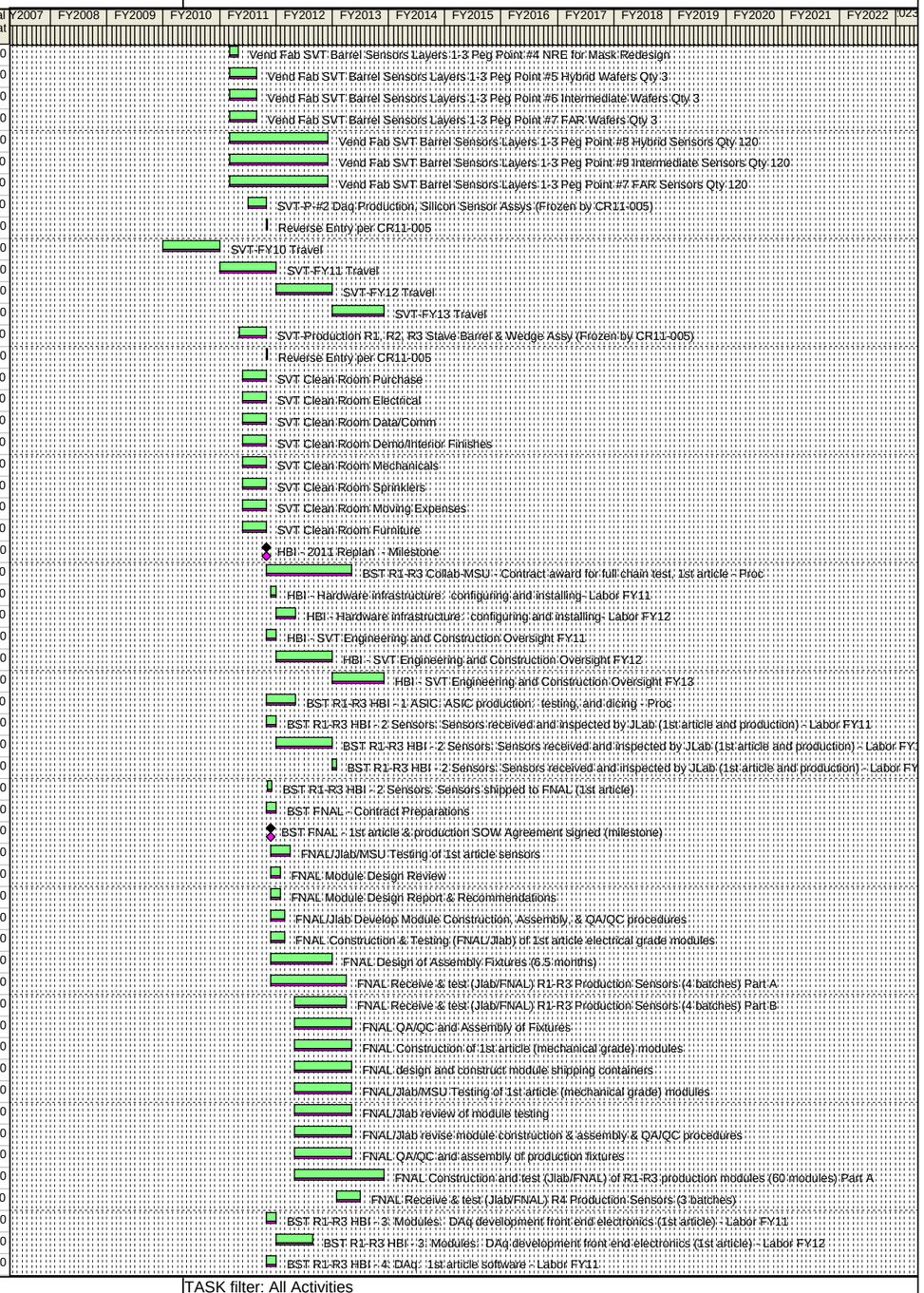
Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
142211005f	Vend Fab SVT Barrel Sensors Layers 1-3 Peg Point #4 NRE for Mask Redesign	07-Dec-10	31-Jan-11	6.60	$0	0.00	$43,500	$43,500	$0	4.00
142211005g	Vend Fab SVT Barrel Sensors Layers 1-3 Peg Point #5 Hybrid Wafers Qty 3	07-Dec-10	31-May-11	23.40	$0	0.00	$22,872	$22,872	$0	4.00
142211005h	Vend Fab SVT Barrel Sensors Layers 1-3 Peg Point #6 Intermediate Wafers Qty 3	07-Dec-10	31-May-11	23.40	$0	0.00	$22,872	$22,872	$0	4.00
142211005j	Vend Fab SVT Barrel Sensors Layers 1-3 Peg Point #7 FAR Wafers Qty 3	07-Dec-10	31-May-11	23.40	$0	0.00	$22,872	$22,872	$0	4.00
142211005k	Vend Fab SVT Barrel Sensors Layers 1-3 Peg Point #8 Hybrid Sensors Qty 120	07-Dec-10	31-Aug-12	86.20	$0	0.00	$156,600	$156,600	$0	4.00
142211005n	Vend Fab SVT Barrel Sensors Layers 1-3 Peg Point #9 Intermediate Sensors Qty 120	07-Dec-10	31-Aug-12	86.20	$0	0.00	$156,600	$156,600	$0	37.40
142211005p	Vend Fab SVT Barrel Sensors Layers 1-3 Peg Point #7 FAR Sensors Qty 120	07-Dec-10	31-Aug-12	86.20	$0	0.00	$156,600	$156,600	$0	37.40
142211010	SVT-P-#2 Daq Production, Silicon Sensor Assys (Frozen by CR11-005)	07-Apr-11	29-Jul-11	16.00	$65,547	72.60	$0	$70,228	$4,680	107.80
142211010a	Reverse Entry per CR11-005	01-Aug-11	05-Aug-11	1.00	($65,547)	-37.40	$0	($70,228)	($4,680)	7.80
142211010E	SVT-FY10 Travel	01-Oct-09	30-Sep-10	49.60	$0	0.00	$0	$4,395	$4,395	4.00
142211011E	SVT-FY11 Travel	01-Oct-10	30-Sep-11	49.60	$0	0.00	$0	$4,535	$4,535	4.00
142211012E	SVT-FY12 Travel	03-Oct-11	28-Sep-12	49.40	$0	0.00	$0	$4,680	$4,680	4.00
142211013E	SVT-FY13 Travel	01-Oct-12	30-Aug-13	45.60	$0	0.00	$0	$4,440	$4,440	4.00
142211020	SVT-Production R1, R2, R3 Stave Barrel & Wedge Assy (Frozen by CR11-005)	09-Feb-11	29-Jul-11	24.00	$38,229	34.26	$0	$38,229	$0	107.80
142211020a	Reverse Entry per CR11-005	01-Aug-11	05-Aug-11	1.00	($38,229)	-22.53	$0	($38,229)	$0	7.80
142211105	SVT Clean Room Purchase	01-Mar-11	29-Jul-11	21.40	$0	0.00	$302,000	$302,000	$0	107.80
142211105a	SVT Clean Room Electrical	01-Mar-11	29-Jul-11	21.40	$0	0.00	$60,000	$60,000	$0	107.80
142211105b	SVT Clean Room Data/Comm	01-Mar-11	29-Jul-11	21.40	$0	0.00	$10,000	$10,000	$0	107.80
142211105c	SVT Clean Room Demo/Interior Finishes	01-Mar-11	29-Jul-11	21.40	$0	0.00	$20,000	$20,000	$0	107.80
142211105d	SVT Clean Room Mechanicals	01-Mar-11	29-Jul-11	21.40	$0	0.00	$66,000	$66,000	$0	107.80
142211105f	SVT Clean Room Sprinklers	01-Mar-11	29-Jul-11	21.40	$0	0.00	$5,000	$5,000	$0	107.80
142211105g	SVT Clean Room Moving Expenses	01-Mar-11	29-Jul-11	21.40	$0	0.00	$5,500	$5,500	$0	107.80
142211105h	SVT Clean Room Furniture	01-Mar-11	29-Jul-11	21.40	$0	0.00	$30,000	$30,000	$0	107.80
142211109M	HBI - 2011 Replan - Milestone	01-Aug-11		0.00	$0	0.00	$0	$0	$0	4.00
142211110	BST R1-R3 Collab-MSU - Contract award for full chain test, 1st article - Proc	01-Aug-11	31-Jan-13	74.20	$0	0.00	$97,940	$97,940	$0	33.60
142211115	HBI - Hardware infrastructure: configuring and installing- Labor FY11	30-Aug-11	30-Sep-11	4.60	$1,471	0.86	$0	$1,471	$0	82.20
142211115a	HBI - Hardware infrastructure: configuring and installing- Labor FY12	03-Oct-11	08-Feb-12	16.80	$5,543	3.14	$0	$5,543	$0	82.20
142211120	HBI - SVT Engineering and Construction Oversight FY11	01-Aug-11	30-Sep-11	8.80	$18,066	6.60	$0	$18,066	$0	4.00
142211125	HBI - SVT Engineering and Construction Oversight FY12	03-Oct-11	28-Sep-12	49.40	$103,797	36.75	$0	$103,797	$0	4.00
142211130	HBI - SVT Engineering and Construction Oversight FY13	01-Oct-12	30-Aug-13	45.60	$90,429	31.03	$0	$90,429	$0	4.00
142211140	BST R1-R3 HBI - 1 ASIC: ASIC production: testing, and dicing - Proc	01-Aug-11	08-Feb-12	25.60	$0	0.00	$81,164	$81,164	$0	39.40
142211145	BST R1-R3 HBI - 2 Sensors: Sensors received and inspected by JLab (1st article and pr...	01-Aug-11	30-Sep-11	8.80	$9,777	4.20	$0	$9,777	$0	4.20
142211145a	BST R1-R3 HBI - 2 Sensors: Sensors received and inspected by JLab (1st article and pr...	03-Oct-11	28-Sep-12	49.40	$56,635	23.60	$0	$56,635	$0	4.20
142211145aa	BST R1-R3 HBI - 2 Sensors: Sensors received and inspected by JLab (1st article and pr...	01-Oct-12	31-Oct-12	4.60	$5,442	2.20	$0	$5,442	$0	4.20
142211150	BST R1-R3 HBI - 2 Sensors: Sensors shipped to FNAL (1st article)	05-Aug-11	02-Sep-11	4.20	$3,446	2.00	$0	$3,446	$0	4.20
142211155	BST FNAL - Contract Preparations	01-Aug-11	29-Sep-11	8.60	$21,890	8.00	$0	$21,890	$0	4.20
142211158M	BST FNAL - 1st article & production SOW Agreement signed (milestone)	01-Sep-11		0.00	$0	0.00	$0	$0	$0	4.20
142211160	FNAL/Jlab/MSU Testing of 1st article sensors	01-Sep-11	30-Dec-11	15.80	$0	0.00	$5,495	$5,495	$0	4.20
142211160a	FNAL Module Design Review	01-Sep-11	31-Oct-11	8.40	$0	0.00	$5,495	$5,495	$0	4.20
142211160b	FNAL Module Design Report & Recommendations	01-Sep-11	31-Oct-11	8.40	$0	0.00	$5,495	$5,495	$0	4.20
142211160c	FNAL/Jlab Develop Module Construction, Assembly, & QA/QC procedures	01-Sep-11	30-Nov-11	12.40	$0	0.00	$8,702	$8,702	$0	4.20
142211160d	FNAL Construction & Testing (FNAL/Jlab) of 1st article electrical grade modules	01-Sep-11	30-Nov-11	12.40	$0	0.00	$72,002	$72,002	$0	4.20
142211160f	FNAL Design of Assembly Fixtures (6.5 months)	01-Sep-11	28-Sep-12	53.60	$0	0.00	$37,130	$37,130	$0	4.20
142211160g	FNAL Receive & test (Jlab/FNAL) R1-R3 Production Sensors (4 batches) Part A	01-Sep-11	31-Dec-12	65.40	$0	0.00	$61,681	$61,681	$0	6.20
142211160h	FNAL Receive & test (Jlab/FNAL) R1-R3 Production Sensors (4 batches) Part B	31-Jan-12	31-Dec-12	45.80	$0	0.00	$2,601	$2,601	$0	4.00
142211160j	FNAL QA/QC and Assembly of Fixtures	31-Jan-12	31-Jan-13	50.00	$0	0.00	$42,294	$42,294	$0	4.00
142211160k	FNAL Construction of 1st article (mechanical grade) modules	31-Jan-12	31-Jan-13	50.00	$0	0.00	$91,472	$91,472	$0	4.00
142211160n	FNAL design and construct module shipping containers	31-Jan-12	31-Jan-13	50.00	$0	0.00	$21,100	$21,100	$0	4.00
142211160p	FNAL/Jlab/MSU Testing of 1st article (mechanical grade) modules	31-Jan-12	31-Jan-13	50.00	$0	0.00	$11,528	$11,528	$0	4.00
142211160q	FNAL/Jlab review of module testing	31-Jan-12	31-Jan-13	50.00	$0	0.00	$22,248	$22,248	$0	4.00
142211160r	FNAL/Jlab revise module construction & assembly & QA/QC procedures	31-Jan-12	31-Jan-13	50.00	$0	0.00	$5,764	$5,764	$0	4.00
142211160s	FNAL QA/QC and assembly of production fixtures	31-Jan-12	31-Jan-13	50.00	$0	0.00	$38,853	$38,853	$0	4.00
142211160t	FNAL Construction and test (Jlab/FNAL) of R1-R3 production modules (60 modules) Par...	31-Jan-12	30-Aug-13	79.60	$0	0.00	$983	$983	$0	4.00
142211160v	FNAL Receive & test (Jlab/FNAL) R4 Production Sensors (3 batches)	01-Nov-12	29-Mar-13	19.40	$0	0.00	$1,105	$1,105	$0	25.60
142211165	BST R1-R3 HBI - 3: Modules: DAq development front end electronics (1st article) - Lab...	01-Aug-11	30-Sep-11	8.80	$23,377	8.54	$0	$23,377	$0	4.00
142211165a	BST R1-R3 HBI - 3: Modules: DAq development front end electronics (1st article) - Lab...	03-Oct-11	30-May-12	32.40	$88,814	31.46	$0	$88,814	$0	4.00
142211170	BST R1-R3 HBI - 4: DAq: 1st article software - Labor FY11	01-Aug-11	30-Sep-11	8.80	$17,705	6.47	$0	$17,705	$0	4.00



Primary Baseline | Remaining Work | Baseline Milestone
Actual Work | Critical Remaining Work | Milestone

TASK filter: All Activities

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Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
142211170a	BST R1-R3 HBI - 4: DAq: 1st article software - Labor FY12	03-Oct-11	25-May-12	32.00	$66,433	23.53	$0	$66,433	$0	4.00
142211175	BST R1-R3 HBI - 4: DAq: readout card 1st article - Proc	29-May-12	29-Jun-12	4.60	$0	0.00	$30,957	$30,957	$0	4.00
142211180	BST R1-R3 HBI - 4: DAq: readout card R1 R2 R3 - Proc	02-Jul-12	30-Jul-12	4.20	$0	0.00	$18,574	$18,574	$0	4.00
142211185	BST R1-R3 HBI - 5 Electronics: Pitch Adapter - Proc (Full set for 1st article, R1-R3, R4)	01-Aug-11	08-Feb-12	25.60	$0	0.00	$21,683	$21,683	$0	82.20
142211190	BST R1-R3 HBI - 5 Electronics: HFCB validation tests (1st article) - Proc	01-Aug-11	08-Feb-12	25.60	$0	0.00	$18,543	$18,543	$0	39.40
142211195	BST R1-R3 HBI - 6: Cable assemblies: HV, LV, and data (1) specifications and procure...	01-Aug-11	30-Sep-11	8.80	$3,325	1.49	$0	$3,325	$0	50.20
142211195a	BST R1-R3 HBI - 6: Cable assemblies: HV, LV, and data (1) specifications and procure...	03-Oct-11	21-Oct-11	3.00	$1,170	0.51	$0	$1,170	$0	50.20
142211200	BST R1-R3 HBI - 6: Cable assemblies: HV, LV, and data (3) assemble components for ...	24-Oct-11	27-Jan-12	12.20	$7,061	4.00	$0	$7,061	$0	50.20
142211205	BST R1-R3 HBI - 6: Cable assemblies: HV, LV, and data (4) 1st article - Proc	24-Oct-11	27-Jan-12	12.20	$0	0.00	$21,760	$21,760	$0	50.20
142211210	BST R1-R3 HBI - 6: Cable assemblies: HV, LV, and data (5) 1st article testing - Labor	30-Apr-12	30-Jul-12	12.80	$7,061	4.00	$0	$7,061	$0	37.40
142211215	BST R1-R3 HBI - 7 Sloco: HV, LV, PS (1) module components and crates specs and pr...	01-Aug-11	30-Sep-11	8.80	$1,532	0.69	$0	$1,532	$0	16.60
142211215a	BST R1-R3 HBI - 7 Sloco: HV, LV, PS (1) module components and crates specs and pr...	03-Oct-11	08-Feb-12	16.80	$3,019	1.31	$0	$3,019	$0	16.60
142211220	BST R1-R3 HBI - 7 Sloco: HV, LV, PS (2) modules 1st article - Proc	09-May-12	09-Aug-12	13.00	$0	0.00	$29,469	$29,469	$0	4.00
142211225	BST R1-R3 HBI - 7 Sloco: HV, LV, PS (3) modules components: 1st article testing - Labor	10-Aug-12	24-Sep-12	6.20	$9,883	5.00	$0	$9,883	$0	4.00
142211230	BST R1-R3 HBI - 7 Sloco: HV, LV, PS (4) crates - Proc (1st Articles and Production)	10-Aug-12	24-Sep-12	6.20	$0	0.00	$35,660	$35,660	$0	14.80
142211235	BST R1-R3 HBI - 8 DAq: VME: (1) specification and procurement preparation - Labor	01-Aug-11	31-Aug-11	4.60	$4,458	2.00	$0	$4,458	$0	59.40
142211240	BST R1-R3 HBI - 8 DAq: VME: (2) crates and cards - Proc	01-Sep-11	30-Sep-11	4.20	$0	0.00	$26,182	$26,182	$0	59.40
142211245	BST R1-R3 HBI - 8 DAq: VME: (3) 1st article testing - Labor	03-Oct-11	10-Feb-12	17.20	$29,648	12.00	$0	$29,648	$0	59.40
142211255	BST JLab - Tooling Production Part A	01-Jun-12	31-Aug-12	13.00	$0	0.00	$5,000	$5,000	$0	4.00
142211255a	BST JLab - Tooling Production Part B	01-Jun-12	31-Aug-12	13.00	$0	0.00	$20,798	$20,798	$0	4.00
142211260	BST R1-R3 HBI - 9 DAq-SCM (1) components and PCBs: specification and procuremen...	03-Oct-11	30-Dec-11	11.60	$4,600	2.00	$0	$4,600	$0	33.60
142211265	BST R1-R3 HBI - 9 DAq-SCM (2) system for 1st article - Proc	03-Oct-11	30-Dec-11	11.60	$0	0.00	$30,957	$30,957	$0	33.60
142211270	BST R1-R3 HBI - 9 DAq-SCM (3) custom crate fabrication and 1st article testing - Labor	03-Apr-12	29-May-12	8.00	$12,706	6.00	$0	$12,706	$0	21.00
142211275	BST R1-R3 HBI - 9 DAq-SCM (4) develop program and test (1/2) - Labor FY12	03-Apr-12	28-Sep-12	25.20	$42,100	14.91	$0	$42,100	$0	21.00
142211275a	BST R1-R3 HBI - 9 DAq-SCM (4) develop program and test (1/2) - Labor FY13	01-Oct-12	30-Nov-12	8.60	$14,826	5.09	$0	$14,826	$0	21.00
142211280	BST R1-R3 MECH GRP - Modules: 1st article backing structure manufacturing drawing ...	01-Aug-11	28-Sep-11	8.40	$47,622	20.00	$0	$47,622	$0	84.20
142211285	BST R1-R3 MECH GRP - Modules: 1st article cold plate manufacturing drawing - Labor...	01-Aug-11	30-Sep-11	8.80	$20,141	8.38	$0	$20,141	$0	45.20
142211285a	BST R1-R3 MECH GRP - Modules: 1st article cold plate manufacturing drawing - Labor...	03-Oct-11	29-Nov-11	8.00	$18,895	7.62	$0	$18,895	$0	45.20
142211290	BST R1-R3 MECH GRP - Cold plate 1st article model: procurement prep - Labor	30-Nov-11	05-Jan-12	4.20	$2,805	1.00	$0	$2,805	$0	45.20
142211295	BST R1-R3 MECH GRP - Cold plate 1st article tests: (1) procurement - Proc	06-Apr-12	28-Jun-12	11.60	$0	0.00	$8,255	$8,255	$0	32.60
142211300	BST R1-R3 MECH GRP - Cold plate 1st article tests: (2) construct and assemble - Labor	29-Jun-12	21-Aug-12	7.60	$6,360	3.00	$0	$6,360	$0	32.60
142211305	BST R1-R3 MECH GRP - Support structure for cold plate 1st article tests: Manufacturin...	01-Aug-11	12-Sep-11	6.00	$9,170	4.00	$0	$9,170	$0	57.20
142211310	BST R1-R3 MECH GRP - Support structure for cold plate 1st article tests: procurement ...	13-Sep-11	30-Sep-11	2.80	$1,812	0.67	$0	$1,812	$0	57.20
142211310a	BST R1-R3 MECH GRP - Support structure for cold plate 1st article tests: procurement ...	03-Oct-11	11-Oct-11	1.40	$935	0.33	$0	$935	$0	57.20
142211315	BST R1-R3 MECH GRP - Support structure to hold 1st article tests for cold plate: (1) pro...	12-Oct-11	14-Dec-11	8.80	$0	0.00	$5,160	$5,160	$0	57.20
142211320	BST R1-R3 MECH GRP - Support structure to hold 1st art. tests for cold plate (2) constr/...	15-Dec-11	28-Feb-12	9.20	$6,360	3.00	$0	$6,360	$0	57.20
142211325	BST R1-R3 MECH GRP - Modules:for assy 1st article BST, mounting, and alignment fixt...	31-Oct-11	09-Jan-12	8.60	$9,463	4.00	$0	$9,463	$0	47.40
142211330	BST R1-R3 MECH GRP - Modules:for assy 1st article BST, mounting, and alignment fixt...	10-Apr-12	08-May-12	4.20	$2,805	1.00	$0	$2,805	$0	34.80
142211335	BST R1-R3 MECH GRP - Modules: round table, mounting, and alignment fixture (1) pro...	09-May-12	28-Sep-12	20.00	$0	0.00	$9,837	$9,837	$0	34.80
142211340	BST R1-R3 MECH GRP - 3: Modules: round table, mounting, and alignment fixture (2) c...	06-Jul-12	06-Aug-12	4.40	$3,555	2.00	$0	$3,555	$0	34.80
142211350	BST R1-R3 MECH GRP - 3: Modules 1st article stave tests mount & aligning of modules...	26-Mar-13	23-Apr-13	4.20	$12,066	6.00	$0	$12,066	$0	4.00
142211350M	End of 1st Article Program		23-Apr-13	0.00	$0	0.00	$0	$0	$0	7.40
142211355M	Start of R1-R3 Production		26-Sep-12	0.00	$0	0.00	$0	$0	$0	7.40
142211360	BST R1-R3 HBI - Electronics 5: HFCB modules R1 R2 R3 - Proc	26-Sep-12	18-Dec-12	11.60	$0	0.00	$124,267	$124,267	$0	7.40
142211365	BST R1-R3 HBI - 6: Cable assemblies: HV, LV, and data (6) R1 R2 R3 - Proc Part A	31-Jul-12	01-Oct-12	8.80	$0	0.00	$10,000	$10,000	$0	37.40
142211365a	BST R1-R3 HBI - 6: Cable assemblies: HV, LV, and data (6) R1 R2 R3 - Proc Part B	31-Jul-12	01-Oct-12	8.80	$0	0.00	$27,374	$27,374	$0	37.40
142211370	BST R1-R3 HBI - 6: Cable assemblies: HV, LV, and data fabrication and testing - Labor	02-Oct-12	03-Jan-13	12.00	$18,216	10.00	$0	$18,216	$0	37.40
142211375	BST R1-R3 HBI - 7 Sloco: HV, LV, PS (1) modules R1 R2 R3 - Proc	25-Sep-12	17-Dec-12	11.60	$0	0.00	$88,407	$88,407	$0	14.80
142211380	BST R1-R3 HBI - 7 Sloco: HV, LV, PS (3) distribution system (fabricate) - Labor	18-Dec-12	14-Jun-13	24.00	$21,859	12.00	$0	$21,859	$0	14.80
142211385	BST R1-R3 HBI - 7 Sloco: Slow controls and charge calibration system: (1) specification ...	09-Feb-12	01-May-12	11.60	$4,600	2.00	$0	$4,600	$0	50.60
142211390	BST R1-R3 HBI - 7 Sloco: Slow controls for monitoring and charge calibration system: (2...	12-Jul-12	31-Jan-13	27.20	$0	0.00	$32,576	$32,576	$0	32.80
142211395	BST R1-R3 HBI - 7Sloco:Slow controls for monitoring and charge calib system: (3) asse...	08-Oct-12	08-Mar-13	20.00	$27,684	14.00	$0	$27,684	$0	32.80
142211400	BST R1-R3 HBI - 7Sloco:Slow controls for monitor and charge calib system: (4) develop ...	07-Sep-12	28-Sep-12	3.20	$2,711	0.96	$0	$2,711	$0	32.80
142211400a	BST R1-R3 HBI - 7Sloco:Slow controls for monitor and charge calib system: (4) develop ...	01-Oct-12	06-Feb-13	16.80	$14,685	5.04	$0	$14,685	$0	32.80
142211405	BST R1-R3 MECH GRP - Protective enclosure system (1) Manufacturing Drawings - Labor	16-Dec-11	08-Feb-12	6.40	$3,543	2.00	$0	$3,543	$0	74.20
142211410	BST R1-R3 MECH GRP - Protective enclosure system (1) specifications and procureme...	09-Feb-12	05-Apr-12	8.00	$3,543	2.00	$0	$3,543	$0	74.20
142211430	BST R1-R3 HBI - 7 Sloco-Slow controls charge calibration system: develop slow control...	02-May-12	21-Sep-12	20.00	$16,942	6.00	$0	$16,942	$0	50.60

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Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
142211435	BST R1-R3 HBI - 9 DAq-SCM (1) custom crate system components R1 R2 R3 - Proc	03-Dec-12	05-Mar-13	11.80	$0	0.00	$102,222	$102,222	$0	21.00
142211440	BST R1-R3 HBI - 9 DAq-SCM (2) custom crate fabrication and test - Labor	06-Mar-13	30-May-13	12.20	$20,398	10.00	$0	$20,398	$0	21.00
142211445	BST R1-R3 HBI - 9 DAq-SCM (3) develop program and test (2/2) - Labor	03-Dec-12	01-May-13	20.00	$58,268	20.00	$0	$58,268	$0	21.00
142211450	BST R1-R3 MECH GRP - Cooling system: preparation, manufacturing drawings - Labor	29-Dec-11	12-Mar-12	10.00	$19,690	8.00	$0	$19,690	$0	43.40
142211455	BST R1-R3 MECH GRP - Cooling system: preparation, procurement prep- Labor	13-Mar-12	09-Apr-12	4.00	$2,805	1.00	$0	$2,805	$0	43.40
142211460	BST R1-R3 MECH GRP - Cooling system: procurement - proc	10-Apr-12	06-Jun-12	8.00	$0	0.00	$7,739	$7,739	$0	43.40
142211465	BST R1-R3 MECH GRP - Support, cooling, and alignment (1) of stave: manufacturing D...	24-Apr-13	18-Jul-13	12.00	$31,154	14.00	$0	$31,154	$0	6.00
142211470	BST R1-R3 MECH GRP - Support, cooling, and alignment (2) of stave: procurement pre...	19-Jul-13	16-Aug-13	4.20	$2,894	1.00	$0	$2,894	$0	6.00
142211500M	Start of BST R4 Production		27-Nov-12	0.00	$0	0.00	$0	$0	$0	25.60
142211505	BST R4 HBI - 2 Sensors: Sensors for R4 - Proc	28-Nov-12	07-Jan-13	4.60	$0	0.00	$354,201	$354,201	$0	25.60
142211510	BST R4 HBI - 5 Electronics: HFCB production modules R4 - Proc	19-Dec-12	21-Mar-13	11.80	$0	0.00	$39,471	$39,471	$0	7.40
142211515	BST R4 HBI - 5 Electronics: HFCB production modules assembly R4 - Proc	22-Mar-13	15-Apr-13	3.40	$0	0.00	$3,057	$3,057	$0	7.40
142211520	BST R4 HBI - 5 Electronics: HFCB assemble electronics for modules - Labor	16-Apr-13	07-Aug-13	16.00	$1,834	1.00	$0	$1,834	$0	7.40
142211530	BST R4 HBI - 6: Cable assemblies: HV, LV, and data (1) R4 - Proc	01-Oct-12	31-Jan-13	16.00	$0	0.00	$19,582	$19,582	$0	17.60
142211535	BST R4 HBI - 6: Cable assemblies: HV, LV, and data (2) R4 - Labor	01-Feb-13	24-May-13	16.00	$7,286	4.00	$0	$7,286	$0	17.60
142211540	BST R4 HBI - 7 Sloco: HV, LV, PS (1) modules R4 - Proc	01-Oct-12	31-Jan-13	16.00	$0	0.00	$60,818	$60,818	$0	33.60
142211550	BST R4 HBI - 9 DAq- SCM custom crate system components R4 - Proc	01-Oct-12	31-Oct-12	4.60	$0	0.00	$38,333	$38,333	$0	45.00
142211800	Installation MECH GRP - Support and alignment tube (1) to mount solenoid, MFG Drawi...	24-Apr-13	30-Aug-13	18.20	$12,892	5.63	$0	$12,892	$0	4.00
142211840	Installation MECH GRP - Installation cart: (1) MFG Drawings - Labor	01-Oct-12	29-Mar-13	24.00	$17,719	8.00	$0	$17,719	$0	19.00
142211845	Installation MECH GRP - Installation cart: (2) procurement prep - Labor	14-Feb-13	15-Mar-13	4.20	$2,894	1.00	$0	$2,894	$0	19.00
142211850	Installation MECH GRP - Installation cart: (3) construction - Proc	18-Mar-13	16-Apr-13	4.40	$0	0.00	$15,972	$15,972	$0	19.00
142211855	Installation MECH GRP - Installation cart: (4) construction - Labor	17-Apr-13	15-May-13	4.20	$3,669	2.00	$0	$3,669	$0	19.00
142211860	Installation MECH GRP - Purging system: (1) procurement prep - Labor	01-Oct-12	29-Oct-12	4.20	$2,894	1.00	$0	$2,894	$0	36.80
142211865	Installation MECH GRP - Purging system: (2) installation - Proc	30-Oct-12	30-Nov-12	4.40	$0	0.00	$5,324	$5,324	$0	36.80
142211870	Installation MECH GRP - Purging system: (3) installation - Labor	03-Dec-12	08-Jan-13	4.20	$8,552	4.00	$0	$8,552	$0	36.80
142211875	Installation MECH GRP - Transport box BST: (1) manufacturing drawings - Labor	01-Oct-12	02-Jan-13	12.00	$9,766	4.00	$0	$9,766	$0	31.00
142211880	Installation MECH GRP - Transport box BST: (2) procurement prep - Labor	09-Nov-12	11-Dec-12	4.20	$2,894	1.00	$0	$2,894	$0	31.00
142211885	Installation MECH GRP - Transport box BST: (3) construct and assemble - Proc	12-Dec-12	17-Jan-13	4.20	$0	0.00	$0	$0	$0	31.00
142211890	Installation MECH GRP - Transport box BST: (4) construct and assemble - Labor	18-Jan-13	20-Feb-13	4.40	$9,766	4.00	$0	$9,766	$0	31.00
142211950	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($297,962)	($297,962)	$0	4.00
242211013E	SVT-FY13 Travel	03-Sep-13	30-Sep-13	4.00	$0	0.00	$0	$4,503	$4,503	143.80
242211014E	SVT-FY14 Travel	01-Oct-13	30-Sep-14	49.40	$0	0.00	$0	$33,200	$33,200	143.80
242211130	HBI - SVT Engineering and Construction Oversight FY13	03-Sep-13	30-Sep-13	4.00	$7,517	2.58	$0	$7,517	$0	143.80
242211140	HBI - SVT Engineering and Construction Oversight FY14	01-Oct-13	30-Sep-14	49.40	$69,188	23.74	$0	$69,188	$0	143.80
242211145	HBI - SVT Engineering and Construction Oversight FY15	01-Oct-14	31-Oct-14	4.60	$11,658	4.00	$0	$11,658	$0	143.80
242211160t	FNAL Construction and test (Jlab/FNAL) of R1-R3 production modules (60 modules) Par...	03-Sep-13	30-May-14	36.40	$0	0.00	$22,828	$22,828	$0	45.80
242211160u	FNAL Construction and test (Jlab/FNAL) of R1-R3 production modules (60 modules) Par...	03-Sep-13	30-May-14	36.40	$0	0.00	$222,139	$222,139	$0	46.75
242211160w	FNAL Construction and test (Jlab/FNAL) of R4 production modules Phase 1	03-Sep-13	30-Sep-14	53.40	$0	0.00	$46,506	$46,506	$0	52.40
242211160w5	FNAL Construction and test (Jlab/FNAL) of R4 production modules Phase 2	03-Sep-13	30-Sep-14	53.40	$0	0.00	$63,582	$63,582	$0	52.40
242211335	MECH GRP - Modules: asssembly table, mounting, and alignment fixture procurement -...	03-Sep-13	13-Sep-13	1.80	$0	0.00	$1,290	$1,290	$0	51.00
242211340	MECH GRP - Modules: assembly table, mounting, and alignment fixture construction - ...	04-Oct-13	31-Oct-13	4.00	$1,834	1.00	$0	$1,834	$0	51.00
242211360	HBI - Electronics HFCB R1-R4 - Proc	03-Sep-13	31-Mar-14	27.80	$0	0.00	$101,920	$101,920	$0	65.80
242211361	HBI - Electronics HFCB R1-R4 - Proc First Article 6 cables	03-Sep-13	20-Sep-13	2.80	$0	0.00	$7,350	$7,350	$0	105.40
242211365a	HBI - Cable assemblies: HV, LV, and data - Proc	03-Sep-13	31-Jan-14	19.60	$0	0.00	$80,925	$80,925	$0	64.55
242211367	HBI - Cable assemblies: Pulser	03-Sep-13	31-Mar-14	27.80	$0	0.00	$19,640	$19,640	$0	56.35
242211370	HBI - Cable assemblies: HV, LV, and data fabrication and testing R1-R4 - Labor FY13	03-Sep-13	30-Sep-13	4.00	$1,001	0.55	$0	$1,001	$0	49.80
242211370a	HBI - Cable assemblies: HV, LV, and data fabrication and testing R1-R4 - Labor FY14	01-Oct-13	30-May-14	32.40	$8,107	4.45	$0	$8,107	$0	49.80
242211380	HBI - Sloco: HV, LV, PS distribution system (fabricate) - Labor	01-Nov-13	15-Nov-13	2.20	$1,366	0.75	$0	$1,366	$0	51.00
242211390	HBI - Sloco: Slow controls for monitoring and charge calibration system: component pro...	01-Oct-13	20-Dec-13	11.40	$0	0.00	$65,553	$65,553	$0	75.40
242211395	HBI - Sloco:Slow controls for monitoring and charge calib system: assemble, test, and d...	02-Jan-14	03-Mar-14	8.40	$18,936	8.00	$0	$18,936	$0	75.40
242211400a	HBI - Sloco:Slow controls for monitor and charge calib system: develop sloco software (...	07-Jan-14	10-Jun-14	21.80	$28,044	13.00	$0	$28,044	$0	61.40
242211405	MECH GRP - Faraday cage protective enclosure system Manufacturing Drawings - Labor	01-Oct-13	03-Feb-14	15.80	$2,894	1.00	$0	$3,790	$896	59.80
242211405a	Obligated Procured Labor for Activity 242211405	03-Sep-13	03-Feb-14	19.80	$0	0.00	$1,792	$1,792	$0	59.80
242211410	MECH GRP - Faraday cage protective enclosure system specifications and procurement...	03-Sep-13	30-Sep-13	4.00	$109	0.04	$0	$109	$0	59.80
242211410a	MECH GRP - Faraday cage protective enclosure system specifications and procurement...	01-Oct-13	13-Feb-14	17.40	$470	0.16	$0	$470	$0	59.80
242211415	MECH GRP - Faraday cage protective enclosure system - Proc	14-Feb-14	03-Mar-14	2.40	$0	0.00	$12,572	$12,572	$0	59.80
242211445	HBI - DAq-VSCM develop program and test - Labor	17-Oct-13	18-Mar-14	19.60	$17,474	6.00	$0	$17,474	$0	49.80

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Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
242211460	MECH GRP - Cooling system: procurement - proc	04-Oct-13	15-Nov-13	6.20	$0	0.00	$7,906	$7,906	$0	51.00
242211465	MECH GRP - Support, cooling, coldplate, and alignment of stave: manufacturing Drawin...	03-Sep-13	20-Sep-13	2.80	$1,447	0.50	$0	$5,927	$4,480	51.00
242211470	MECH GRP - Support, cooling, coldplate, and alignment of stave: procurement prep - La...	23-Sep-13	30-Sep-13	1.20	$579	0.20	$0	$579	$0	51.00
242211475	MECH GRP - Support, cooling, coldplate, and alignment of stave - Proc	01-Oct-13	31-Oct-13	4.60	$0	0.00	$25,321	$25,321	$0	51.00
242211480	MECH GRP - Support, cooling, coldplate, and alignment of stave Faraday Cage inner: c...	01-Nov-13	15-Nov-13	2.20	$13,901	7.00	$0	$15,693	$1,792	51.00
242211485	MECH GRP - Mounting and aligning on support structure in lab, R1-R3 - Labor	18-Nov-13	15-May-14	23.60	$24,907	13.00	$0	$26,699	$1,792	51.00
242211490	HBI - Module R1-R4 : quality assurance, test, and burn-in at FNAL - Labor FY13	03-Sep-13	30-Sep-13	4.00	$10,580	6.70	$0	$10,580	$0	45.80
242211490a	HBI - Module R1-R4 : quality assurance, test, and burn-in at FNAL - Labor FY14	01-Oct-13	30-Sep-14	49.40	$130,662	82.80	$0	$130,662	$0	45.80
242211495M	End of BST R1-R4 Production		30-Sep-14	0.00	$0	0.00	$0	$0	$0	45.80
242211515	HBI - Electronics: HFCB assembly - Proc Part A	03-Sep-13	30-Apr-14	32.20	$0	0.00	$24,520	$24,520	$0	78.60
242211520	HBI - Electronics: HFCB assembly - Proc Part B	04-Dec-13	31-Jul-14	32.20	$0	0.00	$33,550	$33,550	$0	65.80
242211530	HBI - Compunetics HFCB Bend Test - Proc	03-Sep-13	30-Sep-13	4.00	$0	0.00	$200	$200	$0	105.40
242211545	MECH GRP - Mounting and aligning on support structure in lab, R4 - Labor	19-May-14	04-Aug-14	10.80	$13,901	7.00	$0	$15,693	$1,792	49.80
242211600	HBI - Full system R4, test and burn-in in Cleanroom EEL 121 - Labor	22-Jul-14	18-Aug-14	4.00	$25,320	16.00	$0	$25,320	$0	51.80
242211605	HBI - Bus cable PCB production - Proc	03-Sep-13	27-Nov-13	12.40	$0	0.00	$22,550	$22,550	$0	53.20
242211610	HBI - Bus cable PCB receive and Test - Labor FY13	05-Sep-13	30-Sep-13	3.60	$437	0.24	$0	$437	$0	53.20
242211610a	HBI - Bus cable PCB receive and Test - Labor FY14	01-Oct-13	20-Dec-13	11.40	$1,384	0.76	$0	$1,384	$0	53.20
242211615	HBI - Full system R1-R3, test and burn-in in Cleanroom EEL 121 - Labor	10-Dec-13	02-Jun-14	23.00	$46,839	41.00	$0	$46,839	$0	49.80
242211620	FNAL Tooling	03-Sep-13	30-Sep-13	4.00	$0	0.00	$6,259	$6,259	$0	110.20
242211635	HBI - LV cards - Proc	01-Oct-13	31-Mar-14	23.80	$0	0.00	$49,020	$49,020	$0	71.40
242211645	HBI - Module Reception tests at JLAB - Labor	09-Dec-13	31-Oct-14	44.60	$32,778	15.00	$0	$32,778	$0	53.80
242211655	HBI - VXS crate - Proc	01-Oct-13	31-Mar-14	23.80	$0	0.00	$10,997	$10,997	$0	71.40
242211660	INFRA STR - Backup Environmental and power system for SVT Clean Room - Proc	02-Apr-14	02-Jun-14	8.60	$0	0.00	$6,249	$6,249	$0	62.60
242211670	INFRA STR - Integrated Humidity Reduction System for SVT Control room - Proc	03-Sep-13	31-Oct-13	8.60	$0	0.00	$4,662	$4,662	$0	90.60
242211675	INFRA STR - Integrated Humidity Reduction System for SVT Control room - Proc	02-Apr-14	02-Jun-14	8.60	$0	0.00	$8,505	$8,505	$0	62.60
242211680	MECH GRP - Full system test Integration of SVT R3/R4 - Labor	01-Oct-14	12-Dec-14	10.20	$37,603	20.70	$0	$37,603	$0	45.80
242211685	MECH GRP - Region 4 Support, cooling, coldplate, and alignment structure: manufacturi...	15-Oct-13	31-Jan-14	13.60	$7,623	3.00	$0	$18,375	$10,752	53.80
242211690	MECH GRP - Region 4 Support, cooling, coldplate, and alignment structure: procureme...	03-Feb-14	14-Feb-14	2.00	$579	0.20	$0	$579	$0	53.80
242211695	MECH GRP - Region 4 Support, cooling, coldplate, and alignment structure: - Proc	17-Feb-14	31-Mar-14	6.20	$0	0.00	$17,810	$17,810	$0	53.80
242211700	MECH GRP - Region 4 Support, cooling, coldplate, and alignment structure: construct & ...	01-Apr-14	18-Apr-14	2.80	$10,232	5.00	$0	$12,024	$1,792	53.80
242211705	MECH GRP - Tooling for assembly and repairs: manufacturing Drawings - Labor/Expen...	03-Sep-13	30-Sep-13	4.00	$933	0.32	$0	$3,246	$2,312	51.30
242211705a	MECH GRP - Tooling for assembly and repairs: manufacturing Drawings - Labor/Expen...	01-Oct-13	15-Oct-13	2.20	$514	0.18	$0	$1,785	$1,272	51.30
242211710	MECH GRP - Tooling for assembly and repairs: procurement prep - Labor FY13	03-Sep-13	30-Sep-13	4.00	$269	0.09	$0	$269	$0	51.30
242211710a	MECH GRP - Tooling for assembly and repairs: procurement prep - Labor FY14	01-Oct-13	01-Nov-13	4.70	$310	0.11	$0	$310	$0	51.30
242211715	MECH GRP - Tooling for assembly and repairs - Proc	03-Sep-13	02-Dec-13	12.40	$0	0.00	$8,309	$8,309	$0	51.30
242211720	MECH GRP - Tooling for assembly and repairs construct and assemble - Labor	02-Dec-13	02-Jan-14	3.00	$10,232	5.00	$0	$13,816	$3,584	51.30
242211725	MECH GRP - Tooling for disassembly, and repairs : manufacturing Drawings - Labor	01-Nov-13	28-Feb-14	15.00	$5,789	2.00	$0	$18,333	$12,544	71.00
242211730	MECH GRP - Tooling for disassembly and repairs: procurement prep - Labor	03-Mar-14	14-Mar-14	2.00	$1,158	0.40	$0	$1,158	$0	71.00
242211735	MECH GRP - Tooling for disassembly, and repairs - Proc	17-Mar-14	30-May-14	10.80	$0	0.00	$11,730	$11,730	$0	71.00
242211740	MECH GRP - Tooling for disassembly and repairs Build - Labor	02-May-14	13-Jun-14	6.00	$10,232	5.00	$0	$13,816	$3,584	71.00
242211745	MECH GRP - Environmental Control System - Proc	05-Feb-14	22-Sep-14	32.20	$0	0.00	$24,028	$24,028	$0	47.00
242211755	HBI - Additional HFCB - Proc	03-Sep-13	31-Mar-14	27.80	$0	0.00	$39,100	$39,100	$0	81.60
242211800	Installation MECH GRP - Support and alignment tube, MFG Drawings - Labor	03-Feb-14	01-Apr-14	8.40	$5,789	2.00	$0	$12,957	$7,168	58.80
242211805	Installation MECH GRP - Support & alignment tube - Proc - prep - Labor	02-Apr-14	15-Apr-14	2.00	$1,834	1.00	$0	$1,834	$0	58.80
242211810	Installation MECH GRP - Support and alignment tube - Proc	16-Apr-14	02-Jun-14	6.60	$0	0.00	$15,972	$15,972	$0	58.80
242211815	Installation MECH GRP - Support and alignment (construction) - Labor	03-Jun-14	27-Jun-14	3.80	$6,563	3.00	$0	$6,563	$0	58.80
242211825	Installation MECH GRP - AC Distribution - proc prep - Labor	09-Jan-14	23-Jan-14	2.00	$1,822	1.00	$0	$1,822	$0	86.80
242211830	Installation MECH GRP - AC Distribution - Proc	24-Jan-14	21-Feb-14	4.20	$0	0.00	$7,826	$7,826	$0	86.80
242211860	Installation MECH GRP - Purging system: procurement prep - Labor	14-May-14	28-May-14	2.00	$2,894	1.00	$0	$2,894	$0	55.00
242211865	Installation MECH GRP - Purging system: installation - Proc	29-May-14	26-Jun-14	4.20	$0	0.00	$5,324	$5,324	$0	55.00
242211870	Installation MECH GRP - Purging system: installation in clean room- Labor	05-Aug-14	02-Sep-14	4.00	$6,563	3.00	$0	$6,563	$0	49.80
242211875	MECH GRP - Construct silicon module shipping containers -Proc Part A	01-Oct-13	28-Feb-14	19.60	$0	0.00	$21,216	$21,216	$0	69.40
242211875a	MECH GRP - Construct silicon module shipping containers -Proc Part B	05-Mar-14	22-Jul-14	19.60	$0	0.00	$30,024	$30,024	$0	49.40
242211876	MECH GRP - Module shipping Charges from FNAL to Jlab - Proc	02-Dec-13	15-Oct-14	43.20	$0	0.00	$13,000	$13,000	$0	46.60
242211885	MECH GRP - Module inserts Copper/PEEK Part A	01-Oct-13	17-Dec-13	10.80	$0	0.00	$2,650	$2,650	$0	106.00
242211890	MECH GRP - Module inserts Copper/PEEK Part B	07-Jan-14	24-Mar-14	10.80	$0	0.00	$41,414	$41,414	$0	94.00
242211918M	SVT Ready for Installation		12-Dec-14	0.00	$0	0.00	$0	$0	$0	45.80

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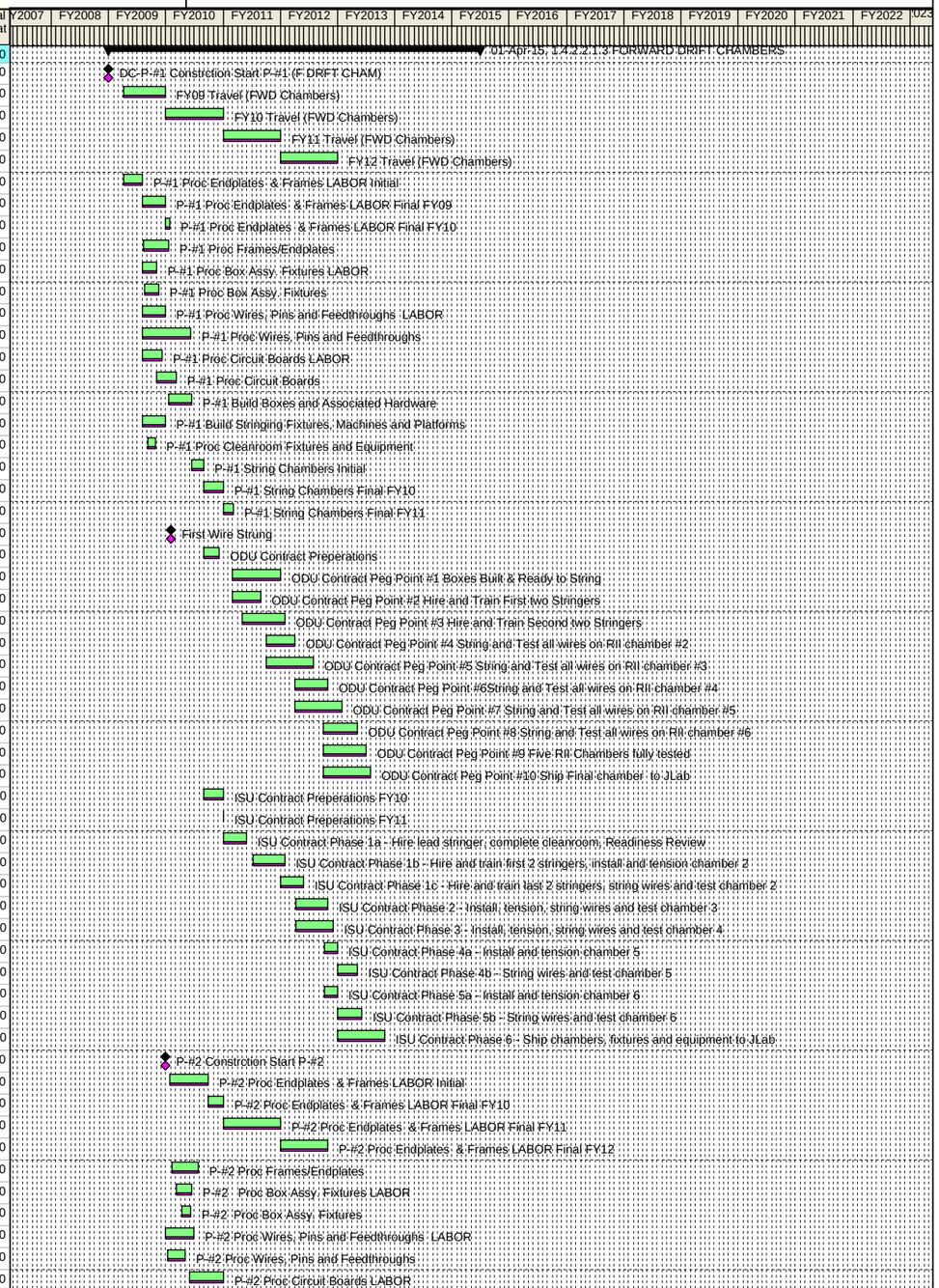
Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
1.4.2.2.1.3 FORWARD DRIFT CHAMBERS		01-Oct-08	01-Apr-15	321.60	$1,197,811	695.20	$3,601,022	$5,864,231	$1,065,399	33.00
142213000M	DC-P-#1 Constrction Start P-#1 (F DRFT CHAM)	01-Oct-08		0.00	$0	0.00	$0	$0	$0	78.40
142213009E	FY09 Travel (FWD Chambers)	02-Jan-09	30-Sep-09	37.80	$0	0.00	$0	$2,029	$2,029	49.60
142213010E	FY10 Travel (FWD Chambers)	01-Oct-09	30-Sep-10	49.60	$0	0.00	$0	$2,747	$2,747	49.60
142213011E	FY11 Travel (FWD Chambers)	01-Oct-10	30-Sep-11	49.60	$0	0.00	$0	$18,174	$18,174	49.60
142213012E	FY12 Travel (FWD Chambers)	03-Oct-11	28-Sep-12	49.40	$0	0.00	$0	$18,754	$18,754	49.60
142213017	P-#1 Proc Endplates & Frames LABOR Initial	05-Jan-09	30-Apr-09	16.40	$53,121	29.77	$0	$53,121	$0	12.00
142213017A	P-#1 Proc Endplates & Frames LABOR Final FY09	01-May-09	30-Sep-09	21.20	$8,086	6.49	$0	$8,086	$0	12.00
142213017Ab	P-#1 Proc Endplates & Frames LABOR Final FY10	01-Oct-09	28-Oct-09	4.00	$1,574	1.22	$0	$1,574	$0	12.00
142213017P	P-#1 Proc Frames/Endplates	13-May-09	20-Oct-09	22.40	$0	0.00	$93,800	$93,800	$0	27.80
142213020	P-#1 Proc Box Assy. Fixtures LABOR	06-May-09	30-Jul-09	12.00	$6,472	4.00	$0	$6,472	$0	39.20
142213020P	P-#1 Proc Box Assy. Fixtures	20-May-09	13-Aug-09	12.00	$0	0.00	$57,800	$57,800	$0	37.20
142213022	P-#1 Proc Wires, Pins and Feedthroughs LABOR	06-May-09	30-Sep-09	20.60	$19,092	15.80	$0	$19,092	$0	49.40
142213022P	P-#1 Proc Wires, Pins and Feedthroughs	06-May-09	08-Mar-10	41.20	$0	0.00	$601,100	$601,100	$0	28.80
142213030	P-#1 Proc Circuit Boards LABOR	06-May-09	09-Sep-09	17.60	$36,546	19.60	$0	$36,546	$0	52.40
142213030P	P-#1 Proc Circuit Boards	31-Jul-09	08-Dec-09	18.00	$0	0.00	$17,200	$17,200	$0	40.00
142213032	P-#1 Build Boxes and Associated Hardware	21-Oct-09	15-Mar-10	18.80	$32,243	16.81	$0	$58,040	$25,798	27.80
142213035	P-#1 Build Stringing Fixtures, Machines and Platforms	06-May-09	30-Sep-09	20.60	$23,928	21.21	$0	$38,928	$15,000	49.40
142213035P	P-#1 Proc Cleanroom Fixtures and Equipment	11-Jun-09	23-Jul-09	6.00	$0	0.00	$70,400	$70,400	$0	59.00
142213042	P-#1 String Chambers Initial	16-Mar-10	28-May-10	10.80	$52,026	29.29	$0	$101,208	$49,182	27.80
142213042B	P-#1 String Chambers Final FY10	01-Jun-10	30-Sep-10	17.20	$54,359	30.60	$0	$62,730	$8,371	27.80
142213042Ba	P-#1 String Chambers Final FY11	01-Oct-10	06-Dec-10	9.00	$29,350	16.01	$0	$33,870	$4,520	27.80
142213042M	First Wire Strung		02-Nov-09	0.00	$0	0.00	$0	$0	$0	193.80
142213045	ODU Contract Preperations	01-Jun-10	07-Sep-10	13.80	$2,070	6.24	$0	$2,070	$0	21.20
142213050	ODU Contract Peg Point #1 Boxes Built & Ready to String	01-Dec-10	30-Sep-11	41.40	$0	0.00	$105,000	$105,000	$0	21.20
142213055	ODU Contract Peg Point #2 Hire and Train First two Stringers	01-Dec-10	31-May-11	24.20	$0	0.00	$118,000	$118,000	$0	21.20
142213060	ODU Contract Peg Point #3 Hire and Train Second two Stringers	01-Feb-11	31-Oct-11	38.20	$0	0.00	$81,915	$81,915	$0	21.20
142213062	ODU Contract Peg Point #4 String and Test all wires on RII chamber #2	01-Jul-11	30-Dec-11	24.40	$0	0.00	$91,829	$91,829	$0	21.20
142213064	ODU Contract Peg Point #5 String and Test all wires on RII chamber #3	01-Jul-11	30-Apr-12	41.00	$0	0.00	$71,372	$71,372	$0	21.20
142213065	ODU Contract Peg Point #6String and Test all wires on RII chamber #4	03-Jan-12	31-Jul-12	29.40	$0	0.00	$69,390	$69,390	$0	21.20
142213066	ODU Contract Peg Point #7 String and Test all wires on RII chamber #5	03-Jan-12	31-Oct-12	42.40	$0	0.00	$61,372	$61,372	$0	21.20
142213067	ODU Contract Peg Point #8 String and Test all wires on RII chamber #6	02-Jul-12	31-Jan-13	28.80	$0	0.00	$40,915	$40,915	$0	21.20
142213068	ODU Contract Peg Point #9 Five RII Chambers fully tested	02-Jul-12	29-Mar-13	36.80	$0	0.00	$14,784	$14,784	$0	21.20
142213069	ODU Contract Peg Point #10 Ship Final chamber to JLab	02-Jul-12	30-Apr-13	41.20	$0	0.00	$0	$0	$0	21.20
142213070	ISU Contract Preperations FY10	01-Jun-10	30-Sep-10	17.20	$2,023	6.10	$0	$2,023	$0	8.40
142213070a	ISU Contract Preperations FY11	01-Oct-10	04-Oct-10	0.40	$49	0.14	$0	$49	$0	8.40
142213075	ISU Contract Phase 1a - Hire lead stringer, complete cleanroom, Readiness Review	05-Oct-10	28-Feb-11	19.00	$0	0.00	$127,254	$127,254	$0	8.40
142213080	ISU Contract Phase 1b - Hire and train first 2 stringers, install and tension chamber 2	11-Apr-11	31-Oct-11	28.60	$0	0.00	$37,746	$37,746	$0	8.40
142213085	ISU Contract Phase 1c - Hire and train last 2 stringers, string wires and test chamber 2	03-Oct-11	29-Feb-12	19.60	$0	0.00	$69,570	$69,570	$0	8.40
142213087	ISU Contract Phase 2 - Install, tension, string wires and test chamber 3	11-Jan-12	31-Jul-12	28.20	$0	0.00	$72,001	$72,001	$0	8.40
142213089	ISU Contract Phase 3 - Install, tension, string wires and test chamber 4	11-Jan-12	31-Aug-12	32.80	$0	0.00	$133,386	$133,386	$0	8.40
142213090	ISU Contract Phase 4a - Install and tension chamber 5	12-Jul-12	28-Sep-12	11.20	$0	0.00	$30,000	$30,000	$0	8.40
142213092	ISU Contract Phase 4b - String wires and test chamber 5	01-Oct-12	31-Jan-13	16.00	$0	0.00	$42,001	$42,001	$0	8.40
142213095	ISU Contract Phase 5a - Install and tension chamber 6	12-Jul-12	28-Sep-12	11.20	$0	0.00	$33,346	$33,346	$0	8.40
142213097	ISU Contract Phase 5b - String wires and test chamber 6	01-Oct-12	28-Feb-13	19.80	$0	0.00	$100,040	$100,040	$0	8.40
142213100	ISU Contract Phase 6 - Ship chambers, fixtures and equipment to JLab	01-Oct-12	31-Jul-13	41.20	$0	0.00	$27,939	$27,939	$0	8.40
142213100M	P-#2 Constrction Start P-#2	01-Oct-09		0.00	$0	0.00	$0	$0	$0	36.80
142213117	P-#2 Proc Endplates & Frames LABOR Initial	29-Oct-09	25-Jun-10	32.20	$23,374	15.00	$0	$23,374	$0	12.00
142213117B	P-#2 Proc Endplates & Frames LABOR Final FY10	28-Jun-10	30-Sep-10	13.40	$5,631	2.83	$0	$5,631	$0	12.00
142213117Ba	P-#2 Proc Endplates & Frames LABOR Final FY11	01-Oct-10	30-Sep-11	49.60	$21,510	10.47	$0	$21,510	$0	12.00
142213117Bb	P-#2 Proc Endplates & Frames LABOR Final FY12	03-Oct-11	01-Aug-12	41.20	$18,438	8.70	$0	$18,438	$0	12.00
142213117P	P-#2 Proc Frames/Endplates	06-Nov-09	22-Apr-10	22.00	$0	0.00	$225,986	$225,986	$0	51.00
142213120	P-#2 Proc Box Assy. Fixtures LABOR	08-Dec-09	11-Mar-10	12.00	$15,026	9.00	$0	$15,026	$0	57.00
142213120P	P-#2 Proc Box Assy. Fixtures	14-Jan-10	04-Mar-10	6.80	$0	0.00	$87,299	$87,299	$0	58.00
142213122	P-#2 Proc Wires, Pins and Feedthroughs LABOR	01-Oct-09	31-Mar-10	24.00	$334	2.20	$0	$334	$0	62.40
142213122P	P-#2 Proc Wires, Pins and Feedthroughs	15-Oct-09	02-Feb-10	14.00	$0	0.00	$10,319	$10,319	$0	70.40
142213130	P-#2 Proc Circuit Boards LABOR	04-Mar-10	30-Sep-10	29.60	$1,658	1.00	$0	$1,658	$0	36.80



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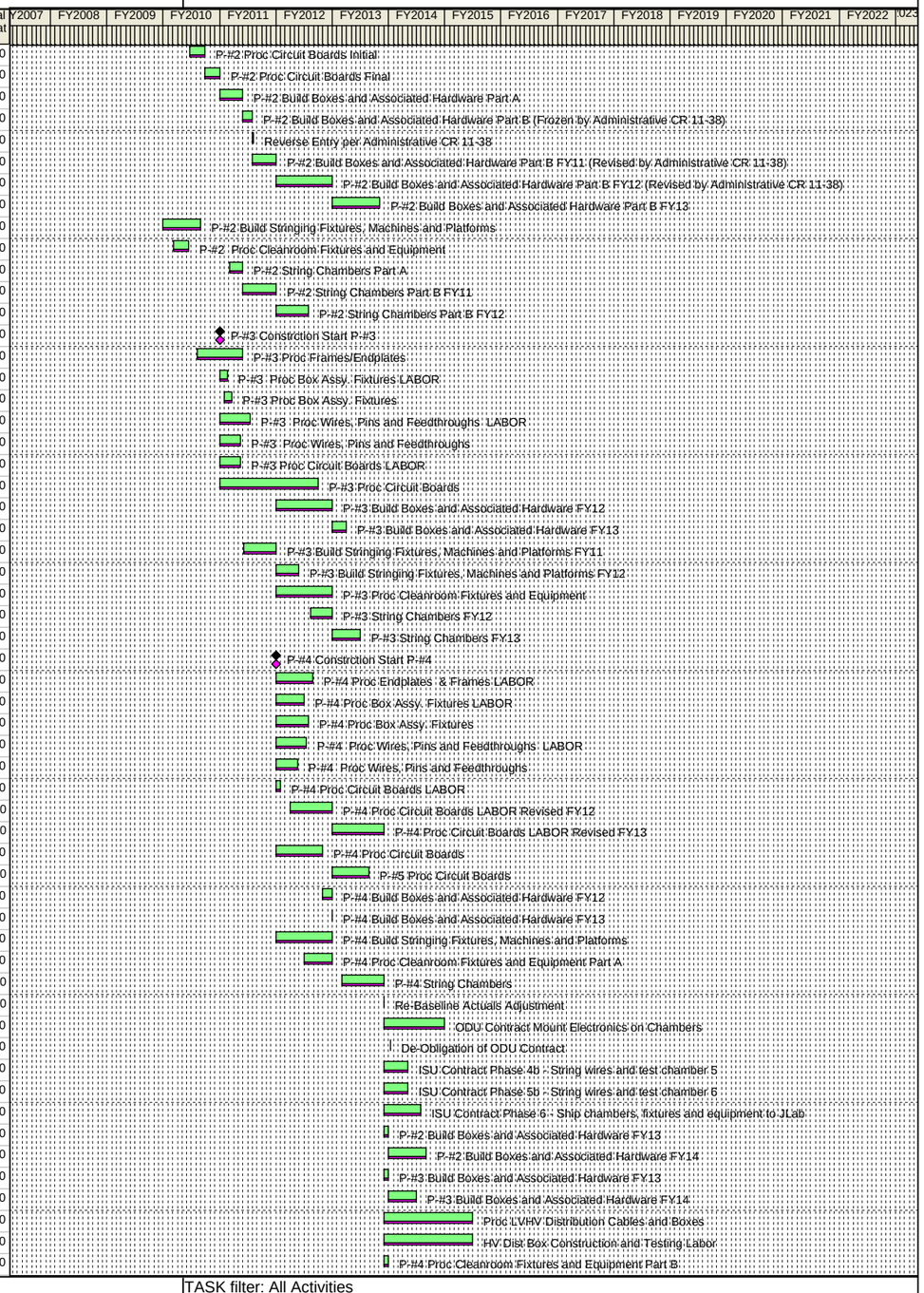
Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
142213130P	P-#2 Proc Circuit Boards Initial	25-Mar-10	30-Jun-10	13.80	$0	0.00	$54,311	$54,311	$0	36.80
142213130Pb	P-#2 Proc Circuit Boards Final	01-Jul-10	30-Sep-10	12.80	$0	0.00	$80,000	$80,000	$0	36.80
142213132	P-#2 Build Boxes and Associated Hardware Part A	01-Oct-10	28-Feb-11	19.40	$92,219	53.87	$0	$132,053	$39,834	28.60
142213133	P-#2 Build Boxes and Associated Hardware Part B (Frozen by Administrative CR 11-38)	01-Mar-11	29-Apr-11	8.80	$22,661	13.07	$0	$25,180	$2,520	132.20
142213133a	Reverse Entry per Administrative CR 11-38	02-May-11	06-May-11	1.00	($22,661)	-13.07	$0	($25,180)	($2,520)	20.40
142213133b	P-#2 Build Boxes and Associated Hardware Part B FY11 (Revised by Administrative CR ...	02-May-11	30-Sep-11	21.40	$15,296	8.94	$0	$21,903	$6,607	19.80
142213133C	P-#2 Build Boxes and Associated Hardware Part B FY12 (Revised by Administrative CR ...	03-Oct-11	28-Sep-12	49.40	$36,433	20.63	$0	$52,172	$15,739	19.80
142213133Ca	P-#2 Build Boxes and Associated Hardware Part B FY13	01-Oct-12	02-Aug-13	41.60	$31,661	17.37	$0	$45,338	$13,677	19.80
142213135	P-#2 Build Stringing Fixtures, Machines and Platforms	01-Oct-09	28-May-10	32.40	$36,752	18.13	$0	$74,756	$38,004	54.00
142213135P	P-#2 Proc Cleanroom Fixtures and Equipment	08-Dec-09	11-Mar-10	12.00	$0	0.00	$145,704	$145,704	$0	65.20
142213142	P-#2 String Chambers Part A	07-Dec-10	28-Feb-11	10.40	$15,054	8.74	$0	$59,121	$44,067	27.80
142213144	P-#2 String Chambers Part B FY11	01-Mar-11	30-Sep-11	30.20	$22,606	13.12	$0	$102,741	$80,135	27.80
142213144a	P-#2 String Chambers Part B FY12	03-Oct-11	30-Apr-12	28.20	$21,780	12.25	$0	$98,996	$77,216	27.80
142213200M	P-#3 Constrction Start P-#3	01-Oct-10		0.00	$0	0.00	$0	$0	$0	25.40
142213217P	P-#3 Proc Frames/Endplates	11-May-10	28-Feb-11	39.20	$0	0.00	$105,614	$105,614	$0	92.10
142213220	P-#3 Proc Box Assy. Fixtures LABOR	01-Oct-10	18-Nov-10	7.00	$3,559	2.00	$0	$3,559	$0	141.60
142213220P	P-#3 Proc Box Assy. Fixtures	03-Nov-10	16-Dec-10	6.00	$0	0.00	$29,925	$29,925	$0	100.80
142213222	P-#3 Proc Wires, Pins and Feedthroughs LABOR	01-Oct-10	14-Apr-11	26.00	$5,990	3.90	$0	$5,990	$0	79.60
142213222P	P-#3 Proc Wires, Pins and Feedthroughs	01-Oct-10	16-Feb-11	18.00	$0	0.00	$10,319	$10,319	$0	87.60
142213230	P-#3 Proc Circuit Boards LABOR	01-Oct-10	16-Feb-11	18.00	$1,723	4.60	$0	$1,723	$0	87.60
142213230P	P-#3 Proc Circuit Boards	01-Oct-10	29-Jun-12	86.20	$0	0.00	$82,552	$82,552	$0	25.40
142213232	P-#3 Build Boxes and Associated Hardware FY12	03-Oct-11	28-Sep-12	49.40	$12,813	5.72	$0	$12,813	$0	61.80
142213232a	P-#3 Build Boxes and Associated Hardware FY13	01-Oct-12	31-Dec-12	11.80	$3,158	1.37	$0	$3,158	$0	61.80
142213235	P-#3 Build Stringing Fixtures, Machines and Platforms FY11	04-Mar-11	30-Sep-11	29.60	$29,922	14.74	$0	$29,922	$0	85.80
142213235a	P-#3 Build Stringing Fixtures, Machines and Platforms FY12	03-Oct-11	29-Feb-12	19.60	$20,446	9.76	$0	$20,446	$0	85.80
142213235P	P-#3 Proc Cleanroom Fixtures and Equipment	03-Oct-11	28-Sep-12	49.40	$0	0.00	$87,528	$87,528	$0	56.00
142213242	P-#3 String Chambers FY12	17-May-12	28-Sep-12	18.80	$28,235	15.88	$0	$167,388	$139,154	25.40
142213242a	P-#3 String Chambers FY13	01-Oct-12	01-Apr-13	24.20	$37,507	20.45	$0	$222,344	$184,837	25.40
142213300M	P-#4 Constrction Start P-#4	03-Oct-11		0.00	$0	0.00	$0	$0	$0	12.40
142213317	P-#4 Proc Endplates & Frames LABOR	03-Oct-11	29-May-12	32.20	$356	1.20	$0	$356	$0	21.00
142213320	P-#4 Proc Box Assy. Fixtures LABOR	03-Oct-11	02-Apr-12	24.20	$356	0.20	$0	$356	$0	74.80
142213320P	P-#4 Proc Box Assy. Fixtures	03-Oct-11	30-Apr-12	28.20	$0	0.00	$110	$110	$0	70.80
142213322	P-#4 Proc Wires, Pins and Feedthroughs LABOR	03-Oct-11	13-Apr-12	26.00	$356	0.20	$0	$356	$0	73.00
142213322P	P-#4 Proc Wires, Pins and Feedthroughs	03-Oct-11	16-Feb-12	18.00	$0	0.00	$110	$110	$0	81.00
142213330	P-#4 Proc Circuit Boards LABOR	03-Oct-11	31-Oct-11	4.20	$83	0.89	$0	$83	$0	57.60
142213330a	P-#4 Proc Circuit Boards LABOR Revised FY12	05-Jan-12	28-Sep-12	37.40	$66,336	40.34	$0	$66,336	$0	4.00
142213330b	P-#4 Proc Circuit Boards LABOR Revised FY13	01-Oct-12	30-Aug-13	45.60	$37,815	20.76	$0	$37,815	$0	4.00
142213330P	P-#4 Proc Circuit Boards	03-Oct-11	31-Jul-12	41.00	$0	0.00	$179,466	$179,466	$0	12.40
142213330PA	P-#5 Proc Circuit Boards	01-Oct-12	29-May-13	32.40	$0	0.00	$185,191	$185,191	$0	4.00
142213332	P-#4 Build Boxes and Associated Hardware FY12	02-Aug-12	28-Sep-12	8.20	$874	0.38	$0	$874	$0	12.00
142213332a	P-#4 Build Boxes and Associated Hardware FY13	01-Oct-12	02-Oct-12	0.40	$44	0.02	$0	$44	$0	12.00
142213335	P-#4 Build Stringing Fixtures, Machines and Platforms	03-Oct-11	28-Sep-12	49.40	$356	0.20	$0	$356	$0	61.80
142213335P	P-#4 Proc Cleanroom Fixtures and Equipment Part A	02-Apr-12	28-Sep-12	25.40	$0	0.00	$23,889	$23,889	$0	61.80
142213342	P-#4 String Chambers	30-Nov-12	30-Aug-13	37.20	$50,389	27.47	$0	$331,945	$281,556	4.00
142213360	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($162,970)	($162,970)	$0	4.00
242213073	ODU Contract Mount Electronics on Chambers	03-Sep-13	30-Sep-14	53.40	$0	0.00	$122,487	$122,487	$0	57.00
242213078	De-Obligation of ODU Contract	15-Oct-13	15-Oct-13	0.20	$0	0.00	($47,487)	($47,487)	$0	104.20
242213092	ISU Contract Phase 4b - String wires and test chamber 5	03-Sep-13	31-Jan-14	19.60	$0	0.00	$16,334	$16,334	$0	76.80
242213097	ISU Contract Phase 5b - String wires and test chamber 6	03-Sep-13	31-Jan-14	19.60	$0	0.00	$38,906	$38,906	$0	76.80
242213100	ISU Contract Phase 6 - Ship chambers, fixtures and equipment to JLab	03-Sep-13	30-Apr-14	32.20	$0	0.00	$88,172	$88,172	$0	76.80
242213133C	P-#2 Build Boxes and Associated Hardware FY13	03-Sep-13	30-Sep-13	4.00	$70	0.04	$0	$70	$0	67.40
242213133Ca	P-#2 Build Boxes and Associated Hardware FY14	01-Oct-13	29-May-14	32.20	$562	0.31	$0	$562	$0	67.40
242213232	P-#3 Build Boxes and Associated Hardware FY13	03-Sep-13	30-Sep-13	4.00	$85	0.05	$0	$85	$0	82.20
242213232a	P-#3 Build Boxes and Associated Hardware FY14	01-Oct-13	02-Apr-14	24.20	$517	0.28	$0	$517	$0	82.20
242213330PA	Proc LVHV Distribution Cables and Boxes	03-Sep-13	01-Apr-15	77.40	$0	0.00	$65,000	$65,000	$0	33.00
242213331	HV Dist Box Construction and Testing Labor	03-Sep-13	01-Apr-15	77.40	$0	0.00	$3,900	$3,900	$0	33.00
242213335Pa	P-#4 Proc Cleanroom Fixtures and Equipment Part B	03-Sep-13	27-Sep-13	3.80	$0	0.00	$197	$197	$0	91.40



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Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
242213342	P-#4 String Chambers FY13	03-Sep-13	30-Sep-13	4.00	$2,115	1.16	$0	$2,115	$0	45.80
242213342a	P-#4 String Chambers FY14	01-Oct-13	07-Jan-14	12.20	$6,450	3.52	$0	$6,450	$0	45.80
242213347	P-#5 String Chambers	08-Jan-14	19-Dec-14	48.40	$208,984	114.24	$0	$208,984	$0	45.80
242213355M	Chambers Complete		01-Apr-15	0.00	$0	0.00	$0	$0	$0	33.00
1.4.2.2.2 CALORIMETRY		01-Oct-09	04-Nov-14	252.80	$817,536	794.26	$1,069,109	$1,927,859	$41,214	56.00
1.4.2.2.2.3 FORWARD CALORIMETER		01-Oct-09	04-Nov-14	252.80	$817,536	794.26	$1,069,109	$1,927,859	$41,214	56.00
142223000M	EC-P-#1 Constr Start (FWD CAL)	01-Oct-09		0.00	$0	0.00	$0	$0	$0	124.20
142223005	EC-P-#1 Prcrmnt Prep for Assy box (FWD CAL)	01-Oct-09	28-Oct-09	4.00	$12,105	6.00	$0	$12,105	$0	124.20
142223010	EC-P-#1 Prcrmnt Prep for Wave Shifting Fibers (FWD CAL)	01-Oct-09	28-Oct-09	4.00	$0	0.00	$0	$0	$0	124.20
142223012	EC-P-#1 Vend Fab of Wave Shifting Fibers (FWD CAL)	05-Jan-10	13-Sep-10	35.00	$1,326	0.50	$866	$2,193	$0	116.20
142223015	EC-P-#1 Prcrmnt Prep for PMTs (FWD CAL)	01-Oct-09	28-Oct-09	4.00	$0	0.00	$0	$0	$0	169.20
142223017	EC-P-#1 Vend Fab of PMTs (FWD CAL)	05-Jan-10	01-Jul-10	25.00	$26,008	13.50	$0	$26,008	$0	161.20
142223020	EC-P-#1 Prcrmnt Prep for Light Guides & Accessr's (FWD CAL)	01-Oct-09	28-Oct-09	4.00	$0	0.00	$0	$0	$0	178.20
142223022	EC-P-#1 Vend Fab of Light Guides & Accessr's (FWD CAL)	05-Jan-10	28-Apr-10	16.00	$1,326	0.50	$63,510	$64,836	$0	170.20
142223037	EC-P-#2 Vend Fab of Wave Shifting Fibers (FWD CAL)	05-Jan-11	13-Sep-11	35.00	$1,369	0.50	$124,722	$126,091	$0	101.60
142223100M	PCAL Manufacturing Preparation - Milestone	01-Apr-10		0.00	$0	0.00	$0	$0	$0	112.00
142223105	Scintillator Procurement	01-Apr-10	02-Jul-10	13.20	$0	0.00	$97,807	$97,807	$0	112.00
142223110	W&M - Prepare workspace	06-May-10	20-May-10	2.20	$0	0.00	$0	$0	$0	112.00
142223115	Scintillator Processing	21-May-10	27-Sep-10	17.80	$5,009	3.00	$0	$5,009	$0	112.00
142223120	W&M NSF - Fiber procurement	02-Jun-10	11-Jul-11	55.00	$0	0.00	$0	$0	$0	110.60
142223185	Complete Manufacturing Drawings for Box Assy	15-Apr-10	01-Jun-10	6.60	$9,055	7.57	$0	$9,055	$0	38.00
142223186	Issue PRs and Review Bids	02-Jun-10	30-Jun-10	4.20	$7,280	4.00	$0	$7,280	$0	38.00
142223190	Procurement of retainers and PMT supports	01-Oct-10	14-Apr-11	26.00	$0	0.00	$123,828	$123,828	$0	38.00
142223191	Procurement of box sidewalls	01-Oct-10	14-Apr-11	26.00	$0	0.00	$154,785	$154,785	$0	38.00
142223192	Procurement of box windows	01-Oct-10	14-Apr-11	26.00	$0	0.00	$92,871	$92,871	$0	38.00
142223193	Procurement of lead sheets	14-May-10	03-Jan-12	80.80	$0	0.00	$90,000	$90,000	$0	49.60
142223194	FCAL Prepare EEL 125 Room & Floors	01-Jul-10	30-Sep-10	12.80	$40,004	23.96	$0	$40,004	$0	38.00
142223195	Prepare workspace	03-May-10	01-Jun-10	4.20	$9,983	19.00	$0	$9,983	$0	63.40
142223200	Prepare Components Module 1 FY10	02-Sep-10	30-Sep-10	4.00	$3,151	8.56	$0	$5,928	$2,778	38.00
142223200a	Prepare Components Module 1 FY11	01-Oct-10	22-Oct-10	3.20	$2,601	6.84	$0	$4,894	$2,293	38.00
142223205	Assembly of box 1	25-Oct-10	05-Nov-10	2.00	$5,358	15.00	$0	$5,358	$0	38.00
142223210	Stacking #1	08-Nov-10	21-Jan-11	9.20	$30,561	32.00	$0	$30,561	$0	38.00
142223215	Close Module 1	24-Jan-11	28-Jan-11	1.00	$2,886	4.00	$0	$2,886	$0	38.00
142223220	Prepare Components Module 2	31-Jan-11	11-Feb-11	2.00	$5,358	7.00	$0	$10,517	$5,160	38.00
142223225	Assembly of box 2	14-Feb-11	28-Feb-11	2.00	$5,771	7.00	$0	$5,771	$0	38.00
142223230	Stacking #2	01-Mar-11	03-May-11	9.20	$32,216	28.00	$0	$32,216	$0	38.00
142223232	ETC Revision of Stacking #2	01-Nov-11	30-Dec-11	7.40	$17,053	15.00	$0	$17,053	$0	38.00
142223235	Close Module 2	04-May-11	11-May-11	1.20	$3,380	4.40	$0	$3,380	$0	38.00
142223240	Prepare Components Module 3	19-May-11	02-Jun-11	2.00	$5,358	6.50	$0	$10,517	$5,160	38.00
142223245	Assembly of box 3	03-Jun-11	16-Jun-11	2.00	$5,358	6.00	$0	$5,358	$0	38.00
142223250	Stacking #3	17-Jun-11	22-Aug-11	9.20	$31,802	27.00	$0	$31,802	$0	38.00
142223252	ETC Revision of Stacking #3	09-Jan-12	14-Mar-12	9.20	$17,053	15.00	$0	$17,053	$0	43.40
142223255	Close Module 3	23-Aug-11	30-Aug-11	1.20	$3,380	4.40	$0	$3,380	$0	38.00
142223260	Prepare Components Module 4	08-Sep-11	22-Sep-11	2.20	$5,852	6.90	$0	$11,012	$5,160	38.00
142223265	Assembly of box 4 FY11	23-Sep-11	30-Sep-11	1.20	$3,192	3.49	$0	$3,192	$0	38.00
142223265a	Assembly of box 4 FY12	03-Oct-11	07-Oct-11	1.00	$2,745	2.91	$0	$2,745	$0	38.00
142223270	Stacking #4	10-Oct-11	31-Oct-11	3.20	$11,267	9.04	$0	$11,267	$0	38.00
142223272	Stacking #4 Revised	12-Jul-12	22-Aug-12	6.00	$38,171	31.95	$0	$38,171	$0	4.00
142223275	Close Module 4	23-Aug-12	30-Aug-12	1.20	$3,488	4.40	$0	$3,488	$0	4.00
142223280	Prepare Components Module 5	09-Jan-12	24-Jan-12	2.20	$6,039	6.90	$0	$11,363	$5,324	4.00
142223285	Assembly of box 5 FY12	25-Sep-12	28-Sep-12	0.80	$2,196	2.33	$0	$2,196	$0	4.00
142223285a	Assembly of box 5 FY13	01-Oct-12	09-Oct-12	1.40	$3,966	4.07	$0	$3,966	$0	4.00
142223290	Stacking #5	07-Dec-12	20-Feb-13	9.20	$51,023	41.00	$0	$51,023	$0	4.00
142223295	Close Module 5	21-Feb-13	28-Feb-13	1.20	$3,599	4.40	$0	$3,599	$0	4.00
142223300	Prepare Components Module 6	24-Apr-12	08-May-12	2.20	$6,039	6.90	$0	$11,363	$5,324	12.80
142223305	Assembly of box 6	01-Mar-13	15-Mar-13	2.20	$6,232	6.40	$0	$6,232	$0	7.00
142223310	Stacking #6	18-Mar-13	20-May-13	9.20	$50,671	40.20	$0	$50,671	$0	7.00

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Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
142223315	Close Module 6	21-May-13	29-May-13	1.20	$3,599	4.24	$0	$3,599	$0	7.00
142223316	JMU PMT and Divider assembly and test	03-Jun-10	03-Jan-12	78.20	$0	0.00	$0	$0	$0	55.60
142223317	Fiber Polisher FY10	03-Sep-10	30-Sep-10	3.80	$0	0.00	$0	$9,500	$9,500	57.60
142223317a	Fiber Polisher FY11	01-Oct-10	01-Oct-10	0.20	$0	0.00	$0	$516	$516	57.60
142223318	Procurement- PMT Housing Components	03-May-10	06-Jan-11	33.60	$0	0.00	$40,000	$40,000	$0	55.60
142223319	WLS Fibers final set procurement	05-Jan-12	30-Apr-12	16.20	$0	0.00	$58,000	$58,000	$0	70.80
142223320	Prepare workspace	30-Jun-10	12-Aug-10	6.20	$10,879	21.30	$0	$10,879	$0	63.40
142223325	Setup module1	31-Jan-11	07-Feb-11	1.20	$2,346	3.80	$0	$2,346	$0	41.20
142223330	Prepare components	08-Feb-11	23-Feb-11	2.20	$3,957	5.30	$0	$3,957	$0	41.20
142223335	Fiber/PMT assembly Module #1	24-Feb-11	07-Apr-11	6.20	$19,389	18.40	$0	$19,389	$0	41.20
142223337	ETC Revision of Fiber/PMT assembly Module #1	02-Dec-11	24-Jan-12	6.20	$14,158	12.40	$0	$14,158	$0	41.20
142223340	Prepare #1 for test	08-Apr-11	22-Apr-11	2.20	$2,062	4.20	$0	$2,062	$0	41.20
142223345	Testing #1	25-Apr-11	09-May-11	2.20	$6,440	6.60	$0	$6,440	$0	41.20
142223350	Disassemble #1	10-May-11	17-May-11	1.20	$1,313	3.20	$0	$1,313	$0	41.20
142223355	Move #1 to storage	18-May-11	19-May-11	0.40	$689	0.40	$0	$689	$0	41.20
142223360	Setup module2	20-May-11	27-May-11	1.20	$2,346	3.80	$0	$2,346	$0	41.20
142223365	Prepare components	31-May-11	14-Jun-11	2.20	$3,957	5.30	$0	$3,957	$0	41.20
142223370	Fiber/PMT assembly Module #2	15-Jun-11	28-Jul-11	6.20	$19,389	18.40	$0	$19,389	$0	41.20
142223372	ETC Revision of Fiber/PMT assembly Module #2	02-Apr-12	14-May-12	6.20	$9,663	10.40	$0	$9,663	$0	41.20
142223375	Prepare #2 for test	29-Jul-11	12-Aug-11	2.20	$2,062	5.20	$0	$2,062	$0	41.20
142223380	Testing #2	15-Aug-11	29-Aug-11	2.20	$6,440	6.60	$0	$6,440	$0	41.20
142223385	Disassemble #2	30-Aug-11	07-Sep-11	1.20	$1,313	3.20	$0	$1,313	$0	41.20
142223390	Move #2 to storage	08-Sep-11	09-Sep-11	0.40	$689	0.40	$0	$689	$0	41.20
142223395	Setup module3	12-Sep-11	19-Sep-11	1.20	$2,346	3.80	$0	$2,346	$0	41.20
142223400	Prepare components FY11	20-Sep-11	30-Sep-11	1.80	$3,238	4.34	$0	$3,238	$0	41.20
142223400a	Prepare components FY12	03-Oct-11	04-Oct-11	0.40	$742	0.96	$0	$742	$0	41.20
142223405	Fiber/PMT assembly Module #3	05-Oct-11	31-Oct-11	3.80	$12,264	11.28	$0	$12,264	$0	41.20
142223407	Fiber/PMT assembly Revised Module #3	23-Jul-12	04-Sep-12	6.20	$17,409	17.52	$0	$17,409	$0	5.80
142223410	Prepare #3 for test	05-Sep-12	19-Sep-12	2.20	$2,128	4.20	$0	$2,128	$0	5.80
142223415	Testing #3 FY12	20-Sep-12	28-Sep-12	1.40	$4,229	4.20	$0	$4,229	$0	5.80
142223415a	Testing #3 FY13	01-Oct-12	04-Oct-12	0.80	$2,494	2.40	$0	$2,494	$0	5.80
142223420	Disassemble #3	05-Oct-12	12-Oct-12	1.20	$1,398	3.20	$0	$1,398	$0	5.80
142223425	Move #3 to storage	15-Oct-12	16-Oct-12	0.40	$734	0.40	$0	$734	$0	5.80
142223430	Setup module 4	17-Oct-12	24-Oct-12	1.20	$2,499	3.80	$0	$2,499	$0	5.80
142223435	Prepare components	25-Oct-12	08-Nov-12	2.20	$4,214	5.30	$0	$4,214	$0	5.80
142223440	Fiber/PMT assembly Module #4	09-Nov-12	02-Jan-13	6.20	$30,620	28.80	$0	$30,620	$0	5.80
142223445	Prepare #4 for test	03-Jan-13	17-Jan-13	2.20	$2,196	4.20	$0	$2,196	$0	5.80
142223450	Testing #4	18-Jan-13	04-Feb-13	2.20	$6,858	6.60	$0	$6,858	$0	5.80
142223455	Disassemble #4	05-Feb-13	12-Feb-13	1.20	$1,398	3.20	$0	$1,398	$0	5.80
142223460	Move #4 to storage	13-Feb-13	14-Feb-13	0.40	$734	0.40	$0	$734	$0	5.80
142223465	Setup module5	01-Mar-13	08-Mar-13	1.20	$2,499	3.80	$0	$2,499	$0	4.00
142223470	Prepare components	11-Mar-13	25-Mar-13	2.20	$4,214	5.25	$0	$4,214	$0	4.00
142223475	Fiber/PMT assembly Module #5	26-Mar-13	07-May-13	6.20	$30,620	28.80	$0	$30,620	$0	4.00
142223480	Prepare #5 for test	08-May-13	22-May-13	2.20	$2,196	4.20	$0	$2,196	$0	4.00
142223485	Testing #5	23-May-13	07-Jun-13	2.20	$6,858	6.60	$0	$6,858	$0	4.00
142223490	Disassemble #5	10-Jun-13	17-Jun-13	1.20	$1,398	3.20	$0	$1,398	$0	4.00
142223495	Move #5 to storage	18-Jun-13	19-Jun-13	0.40	$734	0.40	$0	$734	$0	4.00
142223500	Setup module 6	20-Jun-13	27-Jun-13	1.20	$2,499	3.80	$0	$2,499	$0	4.00
142223505	Prepare components	28-Jun-13	15-Jul-13	2.20	$4,214	5.30	$0	$4,214	$0	4.00
142223510	Fiber/PMT assembly Module #6	16-Jul-13	27-Aug-13	6.20	$30,620	28.80	$0	$30,620	$0	4.00
142223515	Prepare #6 for test	28-Aug-13	30-Aug-13	0.60	$599	1.15	$0	$599	$0	4.00
142223530	Move #6 to storage (Future Activity Complete prior to Rebaseline)	30-Aug-13	30-Aug-13	0.20	$0	0.00	$0	$0	$0	4.00
142223535	Prepare the storage area	04-May-11	19-May-11	2.40	$0	0.00	$0	$0	$0	114.20
142223540	Store module #1	20-May-11	20-May-11	0.20	$0	0.00	$0	$0	$0	114.20
142223545	Store module #2	12-Sep-11	12-Sep-11	0.20	$0	0.00	$0	$0	$0	98.80
142223550	Store module #3	17-Oct-12	17-Oct-12	0.20	$0	0.00	$0	$0	$0	44.20
142223555	Store module #4	15-Feb-13	15-Feb-13	0.20	$0	0.00	$0	$0	$0	28.80

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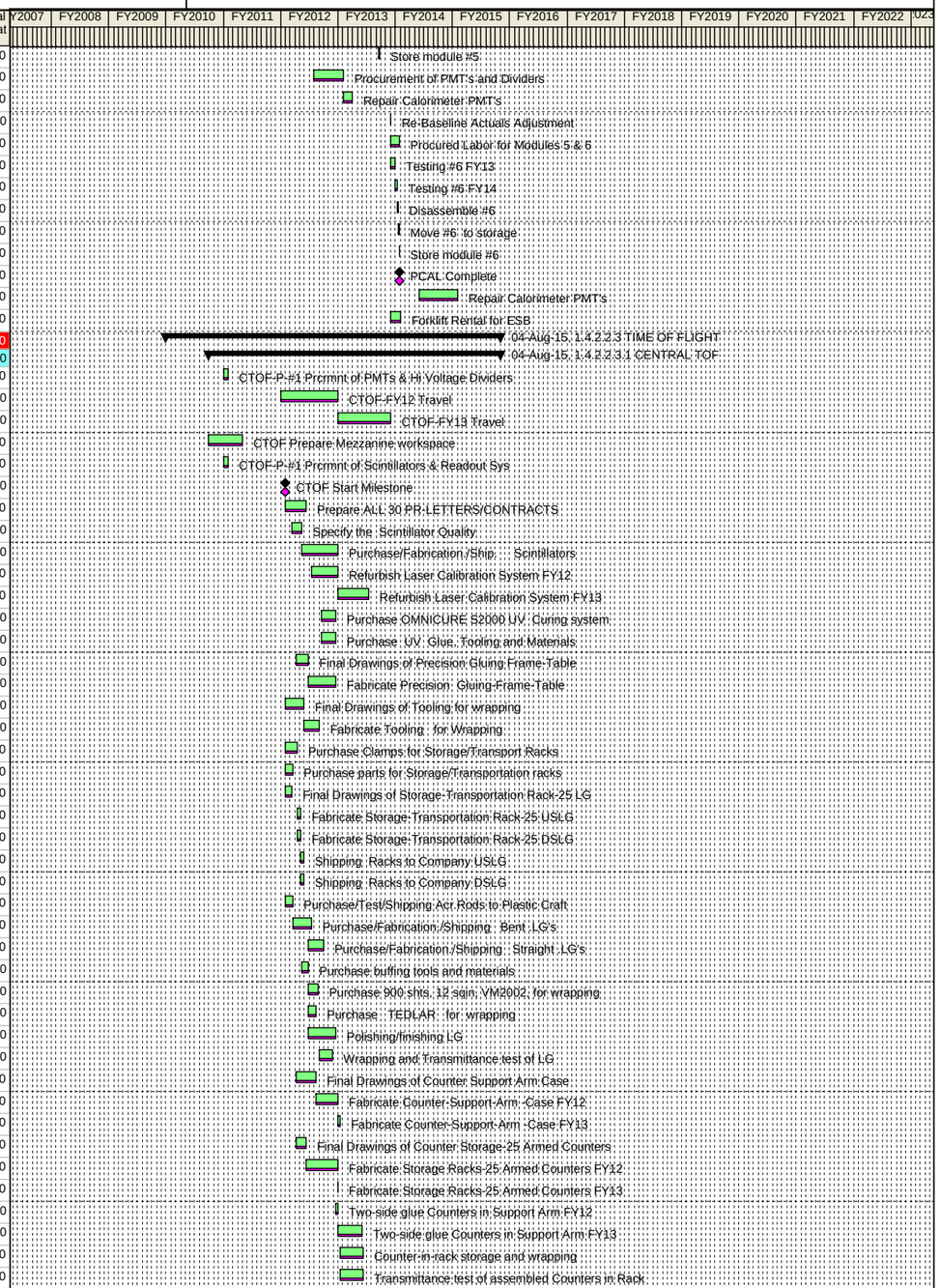
142223560	Store module #5	20-Jun-13	20-Jun-13	0.20	$0	0.00	$0	$0	$0	11.60
142223565	Procurement of PMT's and Dividers	01-May-12	01-Nov-12	26.00	$0	0.00	$79,329	$79,329	$0	37.80
142223570	Repair Calorimeter PMT's	02-Nov-12	31-Dec-12	7.00	$32,162	19.00	$0	$32,162	$0	37.80
142223575	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$128,199	$128,199	$0	4.00
242223312	Procured Labor for Modules 5 & 6	03-Sep-13	25-Oct-13	7.80	$0	0.00	$4,375	$4,375	$0	89.40
242223520	Testing #6 FY13	03-Sep-13	30-Sep-13	4.00	$6,717	4.07	$0	$6,717	$0	89.40
242223520a	Testing #6 FY14	01-Oct-13	14-Oct-13	2.00	$3,358	2.03	$0	$3,358	$0	89.40
242223525	Disassemble #6	15-Oct-13	22-Oct-13	1.20	$1,596	3.00	$0	$1,596	$0	89.40
242223530	Move #6 to storage	23-Oct-13	24-Oct-13	0.40	$1,834	1.00	$0	$1,834	$0	89.40
242223562	Store module #6	25-Oct-13	25-Oct-13	0.20	$0	0.00	$0	$0	$0	89.40
242223563M	PCAL Complete		25-Oct-13	0.00	$0	0.00	$0	$0	$0	89.40
242223570	Repair Calorimeter PMT's	05-Mar-14	04-Nov-14	34.40	$0	0.00	$10,000	$10,000	$0	55.80
242223575	Forklift Rental for ESB	03-Sep-13	31-Oct-13	8.60	$0	0.00	$817	$817	$0	105.60
1.4.2.2.3 TIME OF FLIGHT		01-Oct-09	04-Aug-15	289.20	$1,158,889	805.90	$2,698,103	$4,080,349	$223,357	23.80
1.4.2.2.3.1 CENTRAL TOF		01-Jul-10	04-Aug-15	252.40	$704,440	529.18	$676,012	$1,575,215	$194,764	9.20
142231005	CTOF-P-#1 Prcrmnt of PMTs & Hi Voltage Dividers	01-Oct-10	28-Oct-10	4.00	$0	0.00	$0	$0	$0	144.60
142231012E	CTOF-FY12 Travel	03-Oct-11	28-Sep-12	49.40	$0	0.00	$0	$5,850	$5,850	4.00
142231013E	CTOF-FY13 Travel	01-Oct-12	30-Aug-13	45.60	$0	0.00	$0	$5,572	$5,572	4.00
142231014	CTOF Prepare Mezzanine workspace	01-Jul-10	31-Jan-11	28.40	$0	0.00	$70,000	$70,000	$0	133.00
142231015	CTOF-P-#1 Prcrmnt of Scintillators & Readout Sys	01-Oct-10	28-Oct-10	4.00	$0	0.00	$0	$0	$0	144.60
142231018M	CTOF Start Milestone	01-Nov-11		0.00	$0	0.00	$0	$0	$0	4.00
142231020	Prepare ALL 30 PR-LETTERS/CONTRACTS	01-Nov-11	09-Mar-12	16.80	$12,710	4.50	$0	$12,710	$0	12.20
142231105	Specify the Scintillator Quality	15-Dec-11	14-Feb-12	7.40	$1,900	0.80	$0	$1,900	$0	4.20
142231110	Purchase/Fabrication./Ship. Scintillators	15-Feb-12	28-Sep-12	31.80	$1,836	0.65	$60,000	$61,836	$0	4.20
142231115	Refurbish Laser Calibration System FY12	16-Apr-12	28-Sep-12	23.40	$3,939	1.89	$0	$7,713	$3,774	21.40
142231115a	Refurbish Laser Calibration System FY13	01-Oct-12	15-Apr-13	26.20	$4,550	2.11	$0	$8,911	$4,361	21.40
142231120	Purchase OMNICURE S2000 UV Curing system	15-Jun-12	14-Sep-12	13.00	$282	0.10	$0	$6,782	$6,500	4.20
142231125	Purchase UV Glue, Tooling and Materials	15-Jun-12	14-Sep-12	13.00	$282	0.10	$0	$3,282	$3,000	4.20
142231130	Final Drawings of Precision Gluing Frame-Table	06-Jan-12	26-Mar-12	11.00	$7,226	3.75	$0	$7,226	$0	4.00
142231135	Fabricate Precision Gluing-Frame-Table	27-Mar-12	17-Sep-12	24.40	$0	0.00	$0	$12,000	$12,000	4.00
142231140	Final Drawings of Tooling for wrapping	01-Nov-11	27-Feb-12	15.00	$3,854	2.00	$0	$3,854	$0	6.80
142231145	Fabricate Tooling for Wrapping	28-Feb-12	31-May-12	13.40	$2,970	1.50	$0	$4,970	$2,000	6.80
142231150	Purchase Clamps for Storage/Transport Racks	01-Nov-11	13-Jan-12	9.20	$1,515	0.60	$0	$5,259	$3,744	18.80
142231155	Purchase parts for Storage/Transportation racks	01-Nov-11	19-Dec-11	6.60	$1,900	0.80	$0	$3,900	$2,000	21.40
142231160	Final Drawings of Storage-Transportation Rack-25 LG	01-Nov-11	14-Dec-11	6.00	$3,854	2.00	$0	$3,854	$0	22.00
142231165	Fabricate Storage-Transportation Rack-25 USLG	17-Jan-12	06-Feb-12	3.00	$533	0.30	$0	$2,533	$2,000	18.80
142231170	Fabricate Storage-Transportation Rack-25 DSLG	17-Jan-12	06-Feb-12	3.00	$444	0.25	$0	$2,444	$2,000	28.40
142231175	Shipping Racks to Company USLG	07-Feb-12	28-Feb-12	3.00	$1,458	0.88	$0	$2,458	$1,000	18.80
142231180	Shipping Racks to Company DSLG	07-Feb-12	28-Feb-12	3.00	$1,458	0.88	$0	$2,458	$1,000	28.40
142231185	Purchase/Test/Shipping Acr.Rods to Plastic Craft	01-Nov-11	19-Dec-11	6.60	$2,260	0.80	$16,100	$18,360	$0	16.40
142231190	Purchase/Fabrication./Shipping Bent .LG's	20-Dec-11	18-Apr-12	15.80	$7,343	2.60	$70,000	$77,343	$0	25.00
142231195	Purchase/Fabrication./Shipping Straight .LG's	27-Mar-12	29-Jun-12	13.40	$7,343	2.60	$68,500	$75,843	$0	15.00
142231200	Purchase buffing tools and materials	14-Feb-12	26-Mar-12	5.80	$2,260	0.80	$0	$3,260	$1,000	4.00
142231205	Purchase 900 shts, 12 sqin, VM2002, for wrapping	27-Mar-12	30-May-12	9.20	$565	0.20	$15,800	$16,365	$0	4.20
142231210	Purchase TEDLAR for wrapping	27-Mar-12	10-May-12	6.60	$1,200	0.43	$0	$2,200	$1,000	4.20
142231215	Polishing/finishing LG	27-Mar-12	17-Sep-12	24.40	$17,045	9.00	$0	$20,545	$3,500	4.00
142231220	Wrapping and Transmittance test of LG	01-Jun-12	27-Aug-12	12.20	$9,005	47.30	$0	$9,005	$0	6.80
142231225	Final Drawings of Counter Support Arm Case	06-Jan-12	14-May-12	18.00	$7,226	3.75	$0	$7,226	$0	20.20
142231230	Fabricate Counter-Support-Arm -Case FY12	15-May-12	28-Sep-12	19.20	$15,400	9.51	$0	$29,528	$14,128	20.20
142231230a	Fabricate Counter-Support-Arm -Case FY13	01-Oct-12	12-Oct-12	2.00	$1,655	0.99	$0	$3,174	$1,519	20.20
142231235	Final Drawings of Counter Storage-25 Armed Counters	06-Jan-12	09-Mar-12	8.80	$3,854	2.00	$0	$3,854	$0	22.00
142231240	Fabricate Storage Racks-25 Armed Counters FY12	12-Mar-12	28-Sep-12	28.40	$3,208	1.96	$0	$3,208	$0	22.00
142231240a	Fabricate Storage Racks-25 Armed Counters FY13	01-Oct-12	01-Oct-12	0.20	$23	0.01	$0	$23	$0	22.00
142231245	Two-side glue Counters in Support Arm FY12	18-Sep-12	28-Sep-12	1.80	$1,492	0.65	$0	$1,492	$0	4.00
142231245a	Two-side glue Counters in Support Arm FY13	01-Oct-12	05-Mar-13	20.40	$17,455	7.35	$0	$17,455	$0	4.00
142231250	Counter-in-rack storage and wrapping	15-Oct-12	13-Mar-13	19.60	$6,664	3.25	$0	$6,664	$0	20.20
142231255	Transmittance test of assembled Counters in Rack	15-Oct-12	13-Mar-13	19.60	$7,577	45.60	$0	$7,577	$0	20.20



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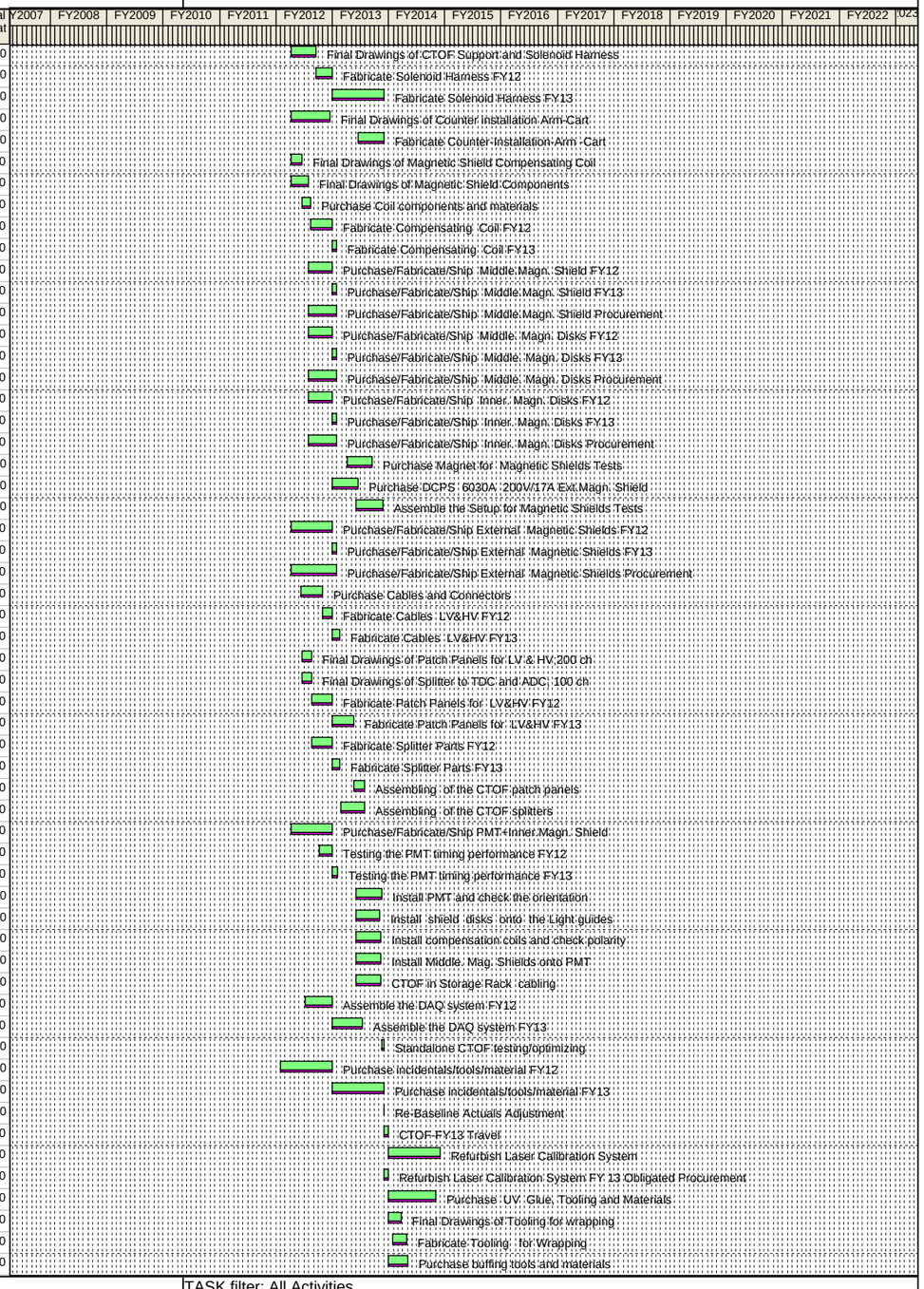
Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
142231260	Final Drawings of CTOF Support and Solenoid Harness	06-Jan-12	15-Jun-12	22.40	$9,634	5.00	$0	$9,634	$0	4.00
142231265	Fabricate Solenoid Harness FY12	18-Jun-12	28-Sep-12	14.80	$2,220	1.60	$0	$6,964	$4,744	4.00
142231265a	Fabricate Solenoid Harness FY13	01-Oct-12	30-Aug-13	45.60	$7,060	4.93	$0	$22,141	$15,082	4.00
142231270	Final Drawings of Counter installation Arm-Cart	06-Jan-12	13-Sep-12	35.00	$9,634	5.00	$0	$9,634	$0	4.00
142231275	Fabricate Counter-Installation-Arm -Cart	15-Mar-13	30-Aug-13	23.80	$2,278	1.32	$0	$7,725	$5,447	4.00
142231280	Final Drawings of Magnetic Shield Compensating Coil	06-Jan-12	16-Mar-12	9.80	$3,854	2.00	$0	$3,854	$0	21.40
142231285	Final Drawings of Magnetic Shield Components	06-Jan-12	01-May-12	16.20	$7,226	3.75	$0	$7,226	$0	19.00
142231290	Purchase Coil components and materials	19-Mar-12	10-May-12	7.80	$424	0.15	$0	$8,424	$8,000	21.40
142231295	Fabricate Compensating Coil FY12	11-May-12	28-Sep-12	19.60	$2,798	1.65	$0	$11,034	$8,235	21.40
142231295a	Fabricate Compensating Coil FY13	01-Oct-12	29-Oct-12	4.20	$619	0.35	$0	$2,440	$1,821	21.40
142231300	Purchase/Fabricate/Ship Middle.Magn. Shield FY12	02-May-12	28-Sep-12	21.00	$347	0.12	$0	$347	$0	19.00
142231300a	Purchase/Fabricate/Ship Middle.Magn. Shield FY13	01-Oct-12	31-Oct-12	4.60	$79	0.03	$0	$79	$0	19.00
142231300b	Purchase/Fabricate/Ship Middle.Magn. Shield Procurement	02-May-12	31-Oct-12	25.60	$0	0.00	$29,500	$29,500	$0	19.00
142231305	Purchase/Fabricate/Ship Middle. Magn. Disks FY12	02-May-12	28-Sep-12	21.00	$347	0.12	$0	$347	$0	19.00
142231305a	Purchase/Fabricate/Ship Middle. Magn. Disks FY13	01-Oct-12	31-Oct-12	4.60	$79	0.03	$0	$79	$0	19.00
142231305b	Purchase/Fabricate/Ship Middle. Magn. Disks Procurement	02-May-12	31-Oct-12	25.60	$0	0.00	$17,200	$17,200	$0	19.00
142231310	Purchase/Fabricate/Ship Inner. Magn. Disks FY12	02-May-12	28-Sep-12	21.00	$347	0.12	$0	$347	$0	19.00
142231310a	Purchase/Fabricate/Ship Inner. Magn. Disks FY13	01-Oct-12	31-Oct-12	4.60	$79	0.03	$0	$79	$0	19.00
142231310b	Purchase/Fabricate/Ship Inner. Magn. Disks Procurement	02-May-12	31-Oct-12	25.60	$0	0.00	$11,300	$11,300	$0	19.00
142231315	Purchase Magnet for Magnetic Shields Tests	10-Jan-13	17-Jun-13	22.00	$3,497	1.20	$48,081	$51,579	$0	5.00
142231320	Purchase DCPS 6030A 200V/17A Ext.Magn. Shield	01-Oct-12	15-Mar-13	22.00	$2,332	0.80	$13,002	$15,333	$0	5.00
142231325	Assemble the Setup for Magnetic Shields Tests	04-Mar-13	23-Aug-13	24.60	$9,180	46.60	$0	$9,180	$0	5.00
142231330	Purchase/Fabricate/Ship External Magnetic Shields FY12	11-Jan-12	28-Sep-12	36.60	$6,022	2.13	$0	$6,022	$0	45.00
142231330a	Purchase/Fabricate/Ship External Magnetic Shields FY13	01-Oct-12	31-Oct-12	4.60	$781	0.27	$0	$781	$0	45.00
142231330b	Purchase/Fabricate/Ship External Magnetic Shields Procurement	11-Jan-12	31-Oct-12	41.20	$0	0.00	$36,100	$36,100	$0	45.00
142231335	Purchase Cables and Connectors	09-Mar-12	31-Jul-12	20.20	$2,824	1.00	$26,800	$29,624	$0	18.80
142231340	Fabricate Cables LV&HV FY12	01-Aug-12	28-Sep-12	8.40	$1,463	0.83	$0	$1,463	$0	18.80
142231340a	Fabricate Cables LV&HV FY13	01-Oct-12	15-Nov-12	6.80	$1,222	0.67	$0	$1,222	$0	18.80
142231345	Final Drawings of Patch Panels for LV & HV;200 ch	20-Mar-12	23-May-12	9.40	$2,020	1.00	$0	$2,020	$0	19.00
142231350	Final Drawings of Splitter to TDC and ADC; 100 ch	20-Mar-12	23-May-12	9.40	$2,020	1.00	$0	$2,020	$0	19.00
142231355	Fabricate Patch Panels for LV&HV FY12	24-May-12	28-Sep-12	17.80	$968	0.60	$0	$968	$0	19.00
142231355a	Fabricate Patch Panels for LV&HV FY13	01-Oct-12	14-Feb-13	18.00	$1,010	0.60	$0	$1,010	$0	19.00
142231360	Fabricate Splitter Parts FY12	24-May-12	28-Sep-12	17.80	$5,521	2.52	$0	$5,521	$0	19.00
142231360a	Fabricate Splitter Parts FY13	01-Oct-12	21-Nov-12	7.60	$2,433	1.08	$0	$2,433	$0	19.00
142231365	Assembling of the CTOF patch panels	15-Feb-13	01-May-13	10.60	$950	0.40	$0	$950	$0	19.00
142231370	Assembling of the CTOF splitters	26-Nov-12	01-May-13	21.00	$5,798	3.00	$0	$5,798	$0	19.00
142231375	Purchase/Fabricate/Ship PMT+Inner.Magn. Shield	09-Jan-12	28-Sep-12	37.00	$494	0.18	$233,000	$233,494	$0	19.40
142231380	Testing the PMT timing performance FY12	06-Jul-12	28-Sep-12	12.00	$4,138	31.82	$0	$4,138	$0	19.40
142231380a	Testing the PMT timing performance FY13	01-Oct-12	02-Nov-12	5.00	$1,779	13.26	$0	$1,779	$0	19.40
142231390	Install PMT and check the orientation	06-Mar-13	16-Aug-13	23.20	$12,347	5.20	$0	$12,347	$0	4.00
142231395	Install shield disks onto the Light guides	06-Mar-13	06-Aug-13	21.60	$17,116	7.80	$0	$17,116	$0	5.60
142231400	Install compensation coils and check polarity	06-Mar-13	08-Aug-13	22.00	$6,173	2.60	$0	$6,173	$0	5.20
142231405	Install Middle. Mag. Shields onto PMT	06-Mar-13	08-Aug-13	22.00	$12,347	5.20	$0	$12,347	$0	5.20
142231410	CTOF in Storage Rack cabling	06-Mar-13	08-Aug-13	22.00	$3,292	1.50	$0	$3,292	$0	5.20
142231415	Assemble the DAQ system FY12	11-Apr-12	28-Sep-12	24.00	$3,565	1.44	$0	$3,565	$0	21.60
142231415a	Assemble the DAQ system FY13	01-Oct-12	12-Apr-13	26.00	$3,985	1.56	$0	$3,985	$0	21.60
142231420	Standalone CTOF testing/optimizing	19-Aug-13	30-Aug-13	2.00	$1,012	4.42	$0	$1,012	$0	4.00
142231430	Purchase incidentals/tools/material FY12	01-Nov-11	28-Sep-12	45.20	$0	0.00	$0	$10,196	$10,196	4.00
142231430a	Purchase incidentals/tools/material FY13	01-Oct-12	30-Aug-13	45.60	$0	0.00	$0	$10,614	$10,614	4.00
142231475	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($261,730)	($261,730)	$0	4.00
242231013E	CTOF-FY13 Travel	03-Sep-13	30-Sep-13	4.00	$0	0.00	$0	$485	$485	99.60
242231115	Refurbish Laser Calibration System	03-Oct-13	02-Sep-14	45.00	$17,180	7.65	$0	$24,095	$6,915	54.40
242231120	Refurbish Laser Calibration System FY 13 Obligated Procurement	03-Sep-13	30-Sep-13	4.00	$0	0.00	$70	$70	$0	99.80
242231125	Purchase UV Glue, Tooling and Materials	03-Oct-13	31-Jul-14	40.60	$0	0.00	$0	$1,305	$1,305	34.80
242231140	Final Drawings of Tooling for wrapping	01-Oct-13	20-Dec-13	11.40	$1,988	1.00	$0	$1,988	$0	24.20
242231145	Fabricate Tooling for Wrapping	29-Oct-13	28-Jan-14	11.00	$1,834	1.00	$0	$4,319	$2,485	24.20
242231200	Purchase buffing tools and materials	03-Oct-13	03-Feb-14	15.40	$726	0.25	$0	$5,160	$4,434	38.80



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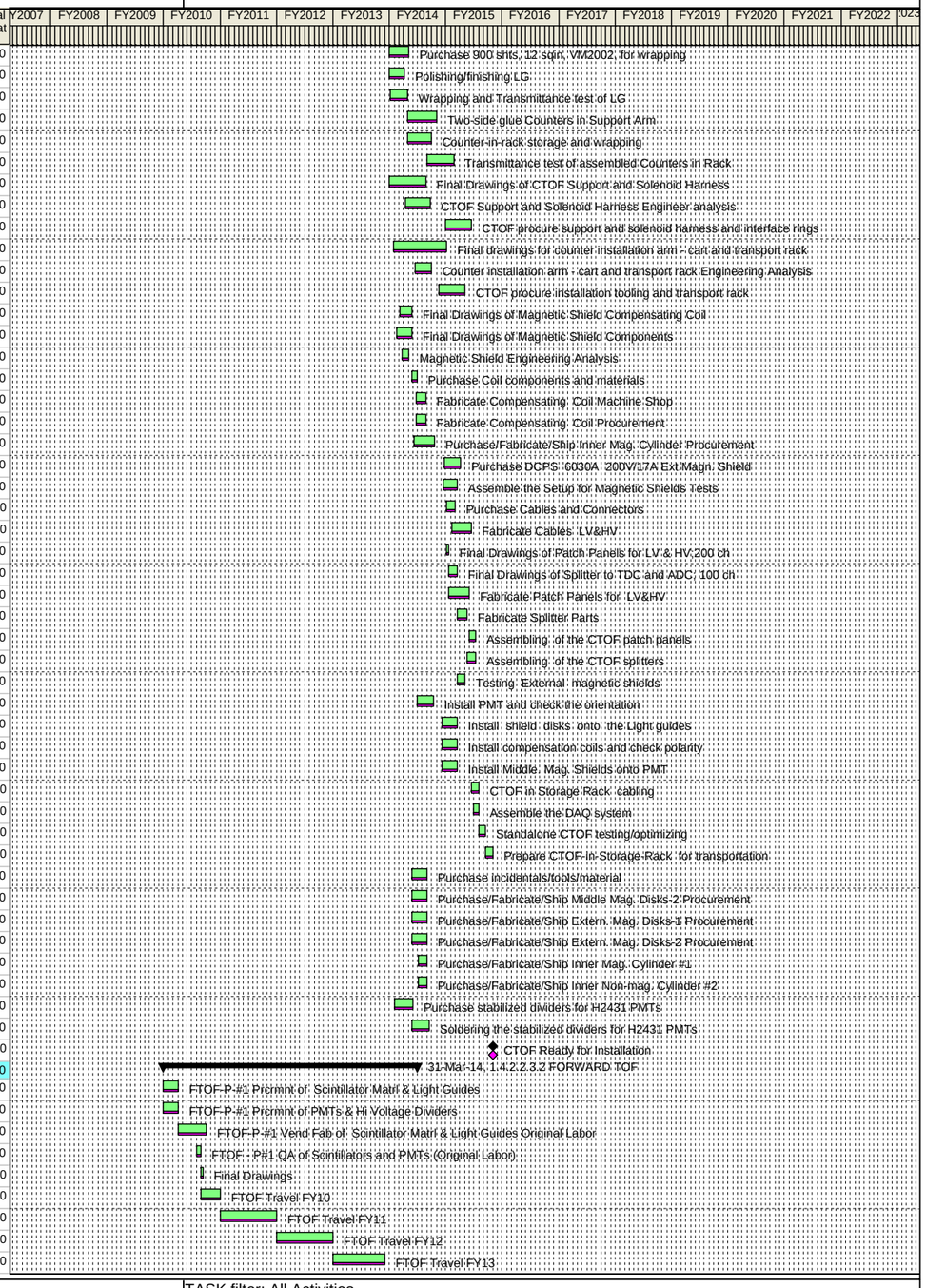
Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
242231205	Purchase 900 shts, 12 sqin, VM2002, for wrapping	03-Oct-13	03-Feb-14	15.40	$0	0.00	$2,490	$2,490	$0	36.60
242231215	Polishing/finishing LG	01-Oct-13	02-Jan-14	11.60	$9,559	7.00	$0	$10,679	$1,120	26.60
242231220	Wrapping and Transmittance test of LG	04-Oct-13	24-Jan-14	14.00	$15,794	12.00	$0	$15,794	$0	26.60
242231245	Two-side glue Counters in Support Arm	27-Jan-14	01-Aug-14	26.60	$20,582	18.00	$0	$20,582	$0	26.60
242231250	Counter-in-rack storage and wrapping	29-Jan-14	01-Jul-14	21.80	$22,981	17.00	$0	$22,981	$0	24.20
242231255	Transmittance test of assembled Counters in Rack	04-Jun-14	20-Nov-14	24.00	$11,892	7.00	$0	$11,892	$0	24.20
242231260	Final Drawings of CTOF Support and Solenoid Harness	03-Oct-13	23-May-14	31.20	$7,954	4.00	$0	$7,954	$0	34.40
242231262	CTOF Support and Solenoid Harness Engineer analysis	10-Jan-14	25-Jun-14	23.40	$8,683	3.00	$0	$8,683	$0	37.60
242231265	CTOF procure support and solenoid harness and interface rings	01-Oct-14	18-Mar-15	22.00	$0	0.00	$44,073	$44,073	$0	24.20
242231270	Final drawings for counter installation arm - cart and transport rack	28-Oct-13	07-Oct-14	46.60	$23,861	12.00	$0	$23,861	$0	34.40
242231272	Counter installation arm - cart and transport rack Engineering Analysis	20-Mar-14	02-Jul-14	14.80	$11,578	4.00	$0	$11,578	$0	34.40
242231275	CTOF procure installation tooling and transport rack	15-Aug-14	03-Feb-15	22.20	$0	0.00	$11,002	$11,002	$0	34.40
242231280	Final Drawings of Magnetic Shield Compensating Coil	06-Dec-13	25-Feb-14	9.80	$5,965	3.00	$0	$5,965	$0	41.20
242231285	Final Drawings of Magnetic Shield Components	21-Nov-13	25-Feb-14	11.60	$9,942	5.00	$0	$9,942	$0	38.40
242231287	Magnetic Shield Engineering Analysis	20-Dec-13	30-Jan-14	4.20	$8,683	3.00	$0	$8,683	$0	42.00
242231290	Purchase Coil components and materials	26-Feb-14	01-Apr-14	5.00	$0	0.00	$0	$11,196	$11,196	41.20
242231295	Fabricate Compensating Coil Machine Shop	27-Mar-14	27-May-14	8.60	$0	0.00	$0	$8,235	$8,235	53.60
242231300	Fabricate Compensating Coil Procurement	27-Mar-14	27-May-14	8.60	$0	0.00	$20,484	$20,484	$0	41.20
242231305	Purchase/Fabricate/Ship Inner Mag. Cylinder Procurement	10-Mar-14	23-Jul-14	19.20	$0	0.00	$11,040	$11,040	$0	38.40
242231320	Purchase DCPS 6030A 200V/17A Ext.Magn. Shield	19-Sep-14	05-Jan-15	13.40	$0	0.00	$31,362	$31,362	$0	34.40
242231325	Assemble the Setup for Magnetic Shields Tests	18-Sep-14	17-Dec-14	12.60	$19,515	10.00	$0	$19,515	$0	34.40
242231335	Purchase Cables and Connectors	06-Oct-14	03-Dec-14	8.20	$1,749	0.60	$44,608	$46,357	$0	9.00
242231340	Fabricate Cables LV&HV	07-Nov-14	17-Mar-15	16.40	$12,884	7.00	$0	$12,884	$0	9.00
242231345	Final Drawings of Patch Panels for LV & HV;200 ch	06-Oct-14	16-Oct-14	1.80	$3,977	2.00	$0	$3,977	$0	16.20
242231350	Final Drawings of Splitter to TDC and ADC; 100 ch	17-Oct-14	17-Dec-14	8.40	$3,977	2.00	$0	$3,977	$0	16.20
242231355	Fabricate Patch Panels for LV&HV	17-Oct-14	26-Feb-15	16.80	$14,680	8.00	$0	$14,680	$0	16.20
242231360	Fabricate Splitter Parts	17-Dec-14	12-Feb-15	6.60	$8,405	4.00	$0	$8,405	$0	16.20
242231365	Assembling of the CTOF patch panels	27-Feb-15	09-Apr-15	6.00	$8,154	5.00	$0	$8,154	$0	16.20
242231370	Assembling of the CTOF splitters	13-Feb-15	09-Apr-15	8.00	$11,068	6.00	$0	$11,068	$0	16.20
242231385	Testing External magnetic shields	18-Dec-14	03-Feb-15	5.00	$22,794	9.60	$0	$22,794	$0	34.40
242231390	Install PMT and check the orientation	03-Apr-14	14-Jul-14	14.00	$6,583	3.00	$0	$6,583	$0	48.50
242231395	Install shield disks onto the Light guides	09-Sep-14	17-Dec-14	14.00	$10,598	4.60	$0	$10,598	$0	26.60
242231400	Install compensation coils and check polarity	09-Sep-14	17-Dec-14	14.00	$11,397	4.80	$0	$11,397	$0	26.60
242231405	Install Middle. Mag. Shields onto PMT	09-Sep-14	17-Dec-14	14.00	$22,794	9.60	$0	$22,794	$0	26.60
242231410	CTOF in Storage Rack cabling	18-Mar-15	01-May-15	6.60	$7,663	3.00	$0	$7,663	$0	9.00
242231415	Assemble the DAQ system	30-Mar-15	01-May-15	5.00	$6,995	2.40	$0	$6,995	$0	9.00
242231420	Standalone CTOF testing/optimizing	04-May-15	15-Jun-15	5.80	$5,213	1.90	$0	$5,213	$0	9.00
242231425	Prepare CTOF-in-Storage-Rack for transportation	16-Jun-15	04-Aug-15	7.00	$16,640	9.00	$0	$16,640	$0	9.00
242231430	Purchase incidentals/tools/material	25-Feb-14	29-May-14	13.40	$0	0.00	$0	$18,503	$18,503	67.40
242231435	Purchase/Fabricate/Ship Middle Mag. Disks-2 Procurement	25-Feb-14	29-May-14	13.40	$0	0.00	$10,320	$10,320	$0	42.40
242231440	Purchase/Fabricate/Ship Extern. Mag. Disks-1 Procurement	25-Feb-14	29-May-14	13.40	$0	0.00	$10,320	$10,320	$0	42.40
242231445	Purchase/Fabricate/Ship Extern. Mag. Disks-2 Procurement	25-Feb-14	29-May-14	13.40	$0	0.00	$10,320	$10,320	$0	42.40
242231450	Purchase/Fabricate/Ship Inner Mag. Cylinder #1	10-Apr-14	29-May-14	7.00	$0	0.00	$11,040	$11,040	$0	42.40
242231455	Purchase/Fabricate/Ship Inner Non-mag. Cylinder #2	10-Apr-14	29-May-14	7.00	$0	0.00	$11,040	$11,040	$0	42.40
242231460	Purchase stabilized dividers for H2431 PMTs	04-Nov-13	05-Mar-14	15.40	$0	0.00	$4,190	$4,190	$0	48.50
242231465	Soldering the stabilized dividers for H2431 PMTs	21-Feb-14	16-Jun-14	16.10	$6,549	5.00	$0	$6,549	$0	48.50
242231470M	CTOF Ready for Installation		04-Aug-15	0.00	$0	0.00	$0	$0	$0	9.00
1.4.2.2.3.2 FORWARD TOF		01-Oct-09	31-Mar-14	222.20	$454,449	276.72	$2,022,091	$2,505,134	$28,594	90.80
142232005	FTOF-P-#1 Prcrmnt of Scintillator Matrl & Light Guides	01-Oct-09	04-Jan-10	12.00	$0	0.00	$0	$0	$0	161.20
142232010	FTOF-P-#1 Prcrmnt of PMTs & Hi Voltage Dividers	01-Oct-09	04-Jan-10	12.00	$0	0.00	$0	$0	$0	186.20
142232015	FTOF-P-#1 Vend Fab of Scintillator Matrl & Light Guides Original Labor	05-Jan-10	01-Jul-10	25.00	$5,305	2.00	$0	$5,305	$0	161.20
142232025	FTOF - P#1 QA of Scintillators and PMTs (Original Labor)	03-May-10	28-May-10	4.00	$2,228	2.03	$0	$2,228	$0	165.80
142232160	Final Drawings	01-Jun-10	14-Jun-10	2.00	$20,088	7.60	$0	$20,088	$0	4.00
142232165	FTOF Travel FY10	01-Jun-10	30-Sep-10	17.20	$0	0.00	$0	$2,000	$2,000	4.00
142232170	FTOF Travel FY11	01-Oct-10	30-Sep-11	49.60	$0	0.00	$0	$4,128	$4,128	4.00
142232175	FTOF Travel FY12	03-Oct-11	28-Sep-12	49.40	$0	0.00	$0	$7,355	$7,355	4.00
142232180	FTOF Travel FY13	01-Oct-12	30-Aug-13	45.60	$0	0.00	$0	$6,978	$6,978	4.00



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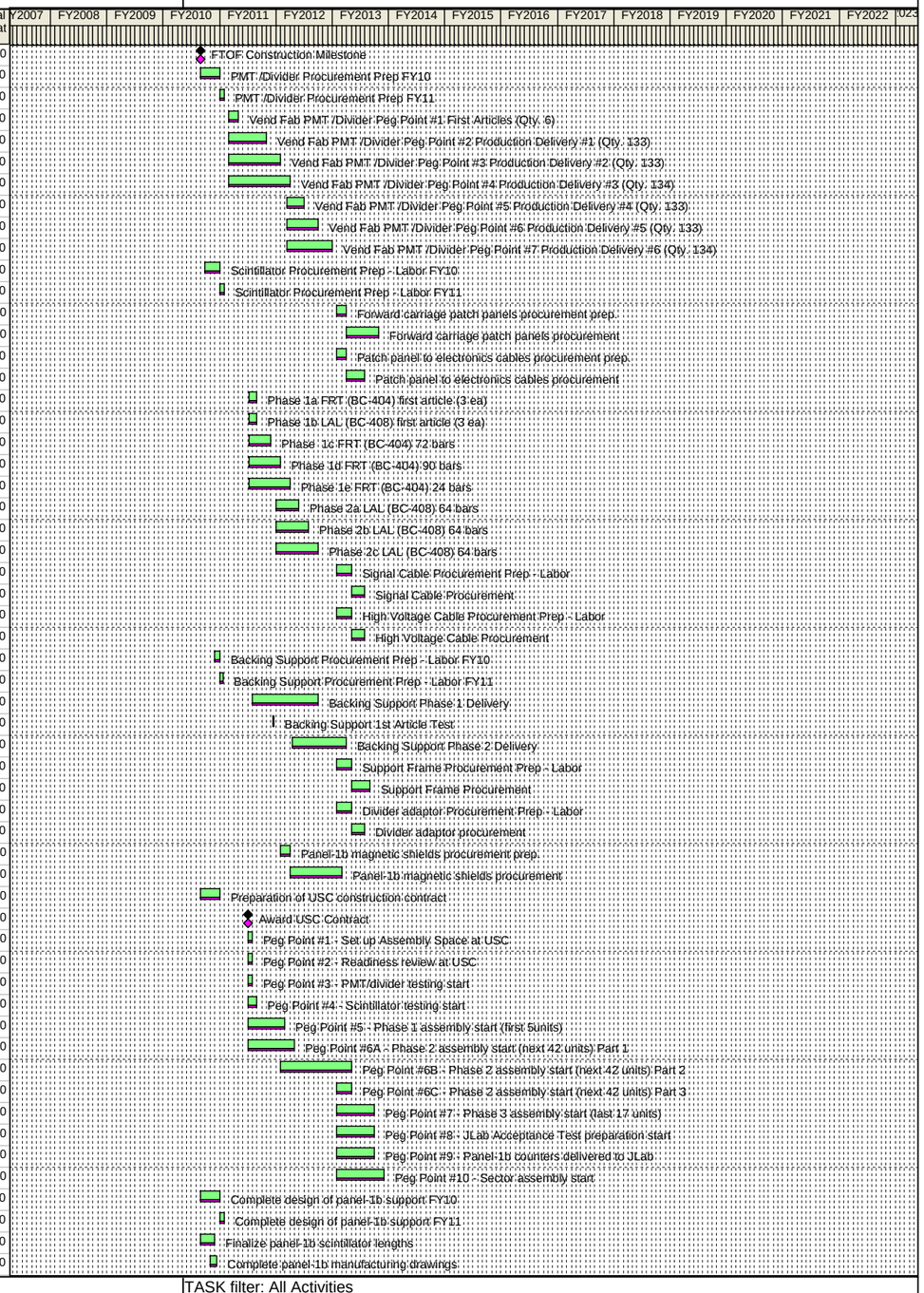
Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
142232200M	FTOF Construction Milestone	01-Jun-10		0.00	$0	0.00	$0	$0	$0	4.00
142232205	PMT /Divider Procurement Prep FY10	01-Jun-10	30-Sep-10	17.20	$4,224	1.59	$0	$4,224	$0	49.60
142232205a	PMT /Divider Procurement Prep FY11	01-Oct-10	01-Nov-10	4.40	$1,115	0.41	$0	$1,115	$0	49.60
142232220	Vend Fab PMT /Divider Peg Point #1 First Articles (Qty. 6)	01-Dec-10	31-Jan-11	7.40	$0	0.00	$4,968	$4,968	$0	49.60
142232221	Vend Fab PMT /Divider Peg Point #2 Production Delivery #1 (Qty. 133)	01-Dec-10	29-Jul-11	32.60	$0	0.00	$110,124	$110,124	$0	49.60
142232222	Vend Fab PMT /Divider Peg Point #3 Production Delivery #2 (Qty. 133)	01-Dec-10	31-Oct-11	45.60	$0	0.00	$110,124	$110,124	$0	49.60
142232223	Vend Fab PMT /Divider Peg Point #4 Production Delivery #3 (Qty. 134)	01-Dec-10	30-Dec-11	53.00	$0	0.00	$110,952	$110,952	$0	49.60
142232225	Vend Fab PMT /Divider Peg Point #5 Production Delivery #4 (Qty. 133)	15-Dec-11	30-Mar-12	13.80	$0	0.00	$104,671	$104,671	$0	49.60
142232226	Vend Fab PMT /Divider Peg Point #6 Production Delivery #5 (Qty. 133)	15-Dec-11	29-Jun-12	26.40	$0	0.00	$104,671	$104,671	$0	49.60
142232227	Vend Fab PMT /Divider Peg Point #7 Production Delivery #6 (Qty. 134)	15-Dec-11	28-Sep-12	39.20	$0	0.00	$105,458	$105,458	$0	49.60
142232230	Scintillator Procurement Prep - Labor FY10	01-Jul-10	30-Sep-10	12.80	$1,974	0.74	$0	$1,974	$0	62.40
142232230a	Scintillator Procurement Prep - Labor FY11	01-Oct-10	01-Nov-10	4.40	$700	0.26	$0	$700	$0	62.40
142232231	Forward carriage patch panels procurement prep.	01-Nov-12	31-Dec-12	7.20	$2,914	1.00	$0	$2,914	$0	8.40
142232232	Forward carriage patch panels procurement	02-Jan-13	31-Jul-13	29.40	$0	0.00	$53,659	$53,659	$0	8.40
142232233	Patch panel to electronics cables procurement prep.	01-Nov-12	31-Dec-12	7.20	$2,914	1.00	$0	$2,914	$0	21.20
142232234	Patch panel to electronics cables procurement	02-Jan-13	30-Apr-13	16.60	$0	0.00	$23,011	$23,011	$0	21.20
142232240	Phase 1a FRT (BC-404) first article (3 ea)	14-Apr-11	31-May-11	6.60	$0	0.00	$3,096	$3,096	$0	62.40
142232241	Phase 1b LAL (BC-408) first article (3 ea)	14-Apr-11	31-May-11	6.60	$0	0.00	$2,508	$2,508	$0	62.40
142232242	Phase 1c FRT (BC-404) 72 bars	14-Apr-11	31-Aug-11	19.60	$0	0.00	$29,971	$29,971	$0	62.40
142232243	Phase 1d FRT (BC-404) 90 bars	14-Apr-11	31-Oct-11	28.00	$0	0.00	$37,464	$37,464	$0	62.40
142232244	Phase 1e FRT (BC-404) 24 bars	14-Apr-11	30-Dec-11	35.40	$0	0.00	$9,990	$9,990	$0	62.40
142232245	Phase 2a LAL (BC-408) 64 bars	03-Oct-11	29-Feb-12	19.60	$0	0.00	$44,262	$44,262	$0	62.40
142232246	Phase 2b LAL (BC-408) 64 bars	03-Oct-11	30-Apr-12	28.20	$0	0.00	$44,262	$44,262	$0	62.40
142232247	Phase 2c LAL (BC-408) 64 bars	03-Oct-11	29-Jun-12	36.60	$0	0.00	$44,261	$44,261	$0	62.40
142232250	Signal Cable Procurement Prep - Labor	01-Nov-12	31-Jan-13	11.40	$2,914	1.00	$0	$2,914	$0	21.00
142232255	Signal Cable Procurement	01-Feb-13	01-May-13	12.60	$0	0.00	$28,678	$28,678	$0	21.00
142232260	High Voltage Cable Procurement Prep - Labor	01-Nov-12	31-Jan-13	11.40	$2,914	1.00	$0	$2,914	$0	21.00
142232265	High Voltage Cable Procurement	01-Feb-13	01-May-13	12.60	$0	0.00	$53,401	$53,401	$0	21.00
142232270	Backing Support Procurement Prep - Labor FY10	01-Sep-10	30-Sep-10	4.20	$1,505	0.57	$0	$1,505	$0	37.80
142232270a	Backing Support Procurement Prep - Labor FY11	01-Oct-10	22-Oct-10	3.20	$1,184	0.43	$0	$1,184	$0	37.80
142232280	Backing Support Phase 1 Delivery	02-May-11	29-Jun-12	58.00	$0	0.00	$75,114	$75,114	$0	37.80
142232281	Backing Support 1st Article Test	15-Sep-11	21-Sep-11	1.00	$3,082	1.50	$0	$3,082	$0	52.80
142232285	Backing Support Phase 2 Delivery	18-Jan-12	31-Dec-12	47.60	$0	0.00	$77,510	$77,510	$0	37.80
142232290	Support Frame Procurement Prep - Labor	01-Nov-12	31-Jan-13	11.40	$5,829	2.00	$0	$5,829	$0	16.80
142232295	Support Frame Procurement	01-Feb-13	31-May-13	16.80	$0	0.00	$35,161	$35,161	$0	16.80
142232300	Divider adaptor Procurement Prep - Labor	01-Nov-12	31-Jan-13	11.40	$2,914	1.00	$0	$2,914	$0	21.00
142232305	Divider adaptor procurement	01-Feb-13	01-May-13	12.60	$0	0.00	$43,951	$43,951	$0	21.00
142232306	Panel-1b magnetic shields procurement prep.	01-Nov-11	30-Dec-11	7.40	$2,824	1.00	$0	$2,824	$0	4.00
142232307	Panel-1b magnetic shields procurement	03-Jan-12	30-Nov-12	46.40	$0	0.00	$74,400	$74,400	$0	4.00
142232310	Preparation of USC construction contract	01-Jun-10	30-Sep-10	17.20	$0	0.00	$0	$0	$0	4.00
142232315M	Award USC Contract	01-Apr-11		0.00	$0	0.00	$0	$0	$0	4.00
142232320	Peg Point #1 - Set up Assembly Space at USC	01-Apr-11	29-Apr-11	4.20	$0	0.00	$35,617	$35,617	$0	4.00
142232320A	Peg Point #2 - Readiness review at USC	01-Apr-11	29-Apr-11	4.20	$0	0.00	$8,322	$8,322	$0	4.00
142232320B	Peg Point #3 - PMT/divider testing start	01-Apr-11	29-Apr-11	4.20	$0	0.00	$2,164	$2,164	$0	4.00
142232320C	Peg Point #4 - Scintillator testing start	01-Apr-11	31-May-11	8.40	$0	0.00	$21,878	$21,878	$0	4.00
142232320D	Peg Point #5 - Phase 1 assembly start (first 5units)	01-Apr-11	30-Nov-11	33.80	$0	0.00	$64,436	$64,436	$0	4.00
142232320F	Peg Point #6A - Phase 2 assembly start (next 42 units) Part 1	01-Apr-11	31-Jan-12	41.20	$0	0.00	$25,216	$25,216	$0	4.00
142232320G	Peg Point #6B - Phase 2 assembly start (next 42 units) Part 2	01-Nov-11	31-Jan-13	61.20	$0	0.00	$115,492	$115,492	$0	4.00
142232320H	Peg Point #6C - Phase 2 assembly start (next 42 units) Part 3	01-Nov-12	31-Jan-13	11.40	$0	0.00	$68,245	$68,245	$0	4.00
142232320J	Peg Point #7 - Phase 3 assembly start (last 17 units)	01-Nov-12	28-Jun-13	32.20	$0	0.00	$38,680	$38,680	$0	4.00
142232320K	Peg Point #8 - JLab Acceptance Test preparation start	01-Nov-12	28-Jun-13	32.20	$0	0.00	$14,240	$14,240	$0	4.00
142232320N	Peg Point #9 - Panel-1b counters delivered to JLab	01-Nov-12	28-Jun-13	32.20	$0	0.00	$28,702	$28,702	$0	4.00
142232320P	Peg Point #10 - Sector assembly start	01-Nov-12	30-Aug-13	41.00	$0	0.00	$37,108	$37,108	$0	4.00
142232330	Complete design of panel-1b support FY10	01-Jun-10	30-Sep-10	17.20	$11,086	5.32	$0	$11,086	$0	144.40
142232330a	Complete design of panel-1b support FY11	01-Oct-10	29-Oct-10	4.20	$1,466	0.68	$0	$1,466	$0	144.40
142232340	Finalize panel-1b scintillator lengths	01-Jun-10	30-Aug-10	12.80	$6,253	3.00	$0	$6,253	$0	168.00
142232350	Complete panel-1b manufacturing drawings	02-Aug-10	15-Sep-10	6.40	$12,506	6.00	$0	$12,506	$0	41.40



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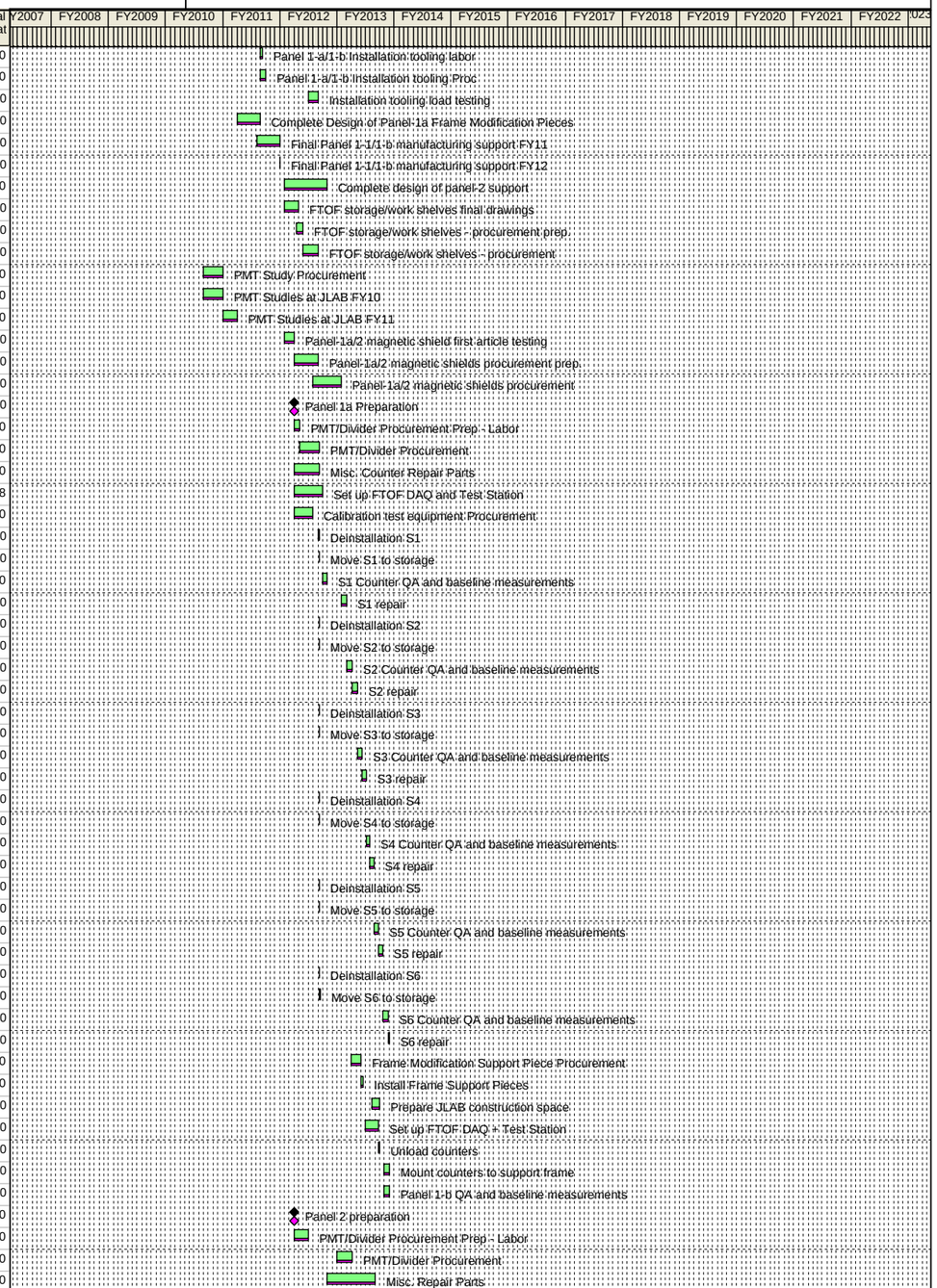
Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
142232352	Panel 1-a/1-b Installation tooling labor	01-Jun-11	14-Jun-11	2.00	$3,226	1.50	$0	$3,226	$0	41.40
142232353	Panel 1-a/1-b Installation tooling Proc	01-Jun-11	30-Jun-11	4.40	$0	0.00	$5,000	$5,000	$0	41.40
142232354	Installation tooling load testing	02-Apr-12	31-May-12	8.60	$1,778	1.00	$0	$1,778	$0	4.60
142232355	Complete Design of Panel-1a Frame Modification Pieces	04-Jan-11	31-May-11	20.60	$6,452	3.00	$0	$6,452	$0	7.80
142232356	Final Panel 1-1/1-b manufacturing support FY11	10-May-11	30-Sep-11	20.20	$17,781	8.40	$0	$17,781	$0	7.80
142232356a	Final Panel 1-1/1-b manufacturing support FY12	03-Oct-11	04-Oct-11	0.40	$225	0.10	$0	$225	$0	7.80
142232360	Complete design of panel-2 support	01-Nov-11	31-Jul-12	36.80	$38,633	18.00	$0	$38,633	$0	37.60
142232361	FTOF storage/work shelves final drawings	01-Nov-11	31-Jan-12	11.40	$6,658	3.00	$0	$6,658	$0	5.00
142232362	FTOF storage/work shelves - procurement prep.	17-Jan-12	29-Feb-12	6.20	$2,824	1.00	$0	$2,824	$0	5.00
142232363	FTOF storage/work shelves - procurement	01-Mar-12	31-May-12	13.00	$0	0.00	$27,000	$27,000	$0	5.00
142232365	PMT Study Procurement	01-Jun-10	30-Sep-10	17.20	$0	0.00	$10,000	$10,000	$0	137.00
142232370	PMT Studies at JLAB FY10	01-Jun-10	30-Sep-10	17.20	$9,504	3.58	$0	$9,504	$0	137.00
142232370a	PMT Studies at JLAB FY11	01-Oct-10	30-Dec-10	11.60	$6,615	2.42	$0	$6,615	$0	137.00
142232371	Panel-1a/2 magnetic shield first article testing	01-Nov-11	30-Dec-11	7.40	$8,473	3.00	$0	$8,473	$0	4.00
142232372	Panel-1a/2 magnetic shields procurement prep.	03-Jan-12	31-May-12	21.00	$5,649	2.00	$0	$5,649	$0	4.00
142232373	Panel-1a/2 magnetic shields procurement	01-May-12	31-Oct-12	25.80	$0	0.00	$15,500	$15,500	$0	4.00
142232375M	Panel 1a Preparation	03-Jan-12		0.00	$0	0.00	$0	$0	$0	4.00
142232380	PMT/Divider Procurement Prep - Labor	03-Jan-12	03-Feb-12	4.60	$2,824	1.00	$0	$2,824	$0	65.00
142232385	PMT/Divider Procurement	03-Feb-12	12-Jun-12	18.00	$0	0.00	$38,333	$38,333	$0	65.00
142232390	Misc. Counter Repair Parts	03-Jan-12	13-Jun-12	22.60	$0	0.00	$10,648	$10,648	$0	64.80
142232395	Set up FTOF DAQ and Test Station	03-Jan-12	03-Jul-12	25.40	$28,244	10.00	$0	$28,244	$0	13.38
142232396	Calibration test equipment Procurement	03-Jan-12	30-Apr-12	16.60	$0	0.00	$15,500	$15,500	$0	70.80
142232400	Deinstallation S1	07-Jun-12	08-Jun-12	0.40	$0	0.00	$0	$0	$0	4.00
142232405	Move S1 to storage	11-Jun-12	12-Jun-12	0.40	$0	0.00	$2,580	$2,580	$0	4.00
142232410	S1 Counter QA and baseline measurements	02-Jul-12	30-Jul-12	4.20	$7,110	4.00	$0	$7,110	$0	17.20
142232415	S1 repair	01-Nov-12	03-Dec-12	4.20	$9,943	5.00	$0	$9,943	$0	4.00
142232420	Deinstallation S2	08-Jun-12	11-Jun-12	0.40	$0	0.00	$0	$0	$0	4.00
142232425	Move S2 to storage	08-Jun-12	11-Jun-12	0.40	$0	0.00	$0	$0	$0	4.00
142232430	S2 Counter QA and baseline measurements	04-Dec-12	08-Jan-13	4.00	$7,338	4.00	$0	$7,338	$0	4.00
142232435	S2 repair	09-Jan-13	07-Feb-13	4.20	$9,943	5.00	$0	$9,943	$0	4.00
142232440	Deinstallation S3	11-Jun-12	11-Jun-12	0.20	$0	0.00	$0	$0	$0	4.00
142232445	Move S3 to storage	11-Jun-12	11-Jun-12	0.20	$0	0.00	$0	$0	$0	4.00
142232450	S3 Counter QA and baseline measurements	08-Feb-13	07-Mar-13	3.80	$7,338	4.00	$0	$7,338	$0	4.00
142232455	S3 repair	08-Mar-13	04-Apr-13	4.00	$9,943	5.00	$0	$9,943	$0	4.00
142232460	Deinstallation S4	11-Jun-12	12-Jun-12	0.40	$0	0.00	$0	$0	$0	4.00
142232465	Move S4 to storage	11-Jun-12	12-Jun-12	0.40	$0	0.00	$0	$0	$0	4.00
142232470	S4 Counter QA and baseline measurements	05-Apr-13	25-Apr-13	3.00	$7,338	4.00	$0	$7,338	$0	4.00
142232475	S4 repair	26-Apr-13	23-May-13	4.00	$9,943	5.00	$0	$9,943	$0	4.00
142232480	Deinstallation S5	12-Jun-12	12-Jun-12	0.20	$0	0.00	$0	$0	$0	4.00
142232485	Move S5 to storage	12-Jun-12	12-Jun-12	0.20	$0	0.00	$0	$0	$0	4.00
142232490	S5 Counter QA and baseline measurements	24-May-13	24-Jun-13	4.20	$7,338	4.00	$0	$7,338	$0	4.00
142232495	S5 repair	25-Jun-13	24-Jul-13	4.20	$9,943	5.00	$0	$9,943	$0	4.00
142232500	Deinstallation S6	13-Jun-12	13-Jun-12	0.20	$0	0.00	$0	$0	$0	4.00
142232505	Move S6 to storage	14-Jun-12	14-Jun-12	0.20	$0	0.00	$0	$0	$0	4.00
142232510	S6 Counter QA and baseline measurements	25-Jul-13	22-Aug-13	4.20	$7,338	4.00	$0	$7,338	$0	4.00
142232515	S6 repair	23-Aug-13	30-Aug-13	1.20	$2,983	1.50	$0	$2,983	$0	4.00
142232520	Frame Modification Support Piece Procurement	02-Jan-13	28-Feb-13	8.00	$0	0.00	$16,482	$16,482	$0	27.80
142232525	Install Frame Support Pieces	01-Mar-13	14-Mar-13	2.00	$3,669	2.00	$0	$3,669	$0	27.80
142232530	Prepare JLAB construction space	13-May-13	27-Jun-13	6.60	$1,834	1.00	$0	$1,834	$0	4.00
142232535	Set up FTOF DAQ + Test Station	01-Apr-13	21-Jun-13	11.80	$2,914	1.00	$0	$2,914	$0	4.00
142232540	Unload counters	24-Jun-13	27-Jun-13	0.80	$1,834	1.00	$0	$1,834	$0	4.00
142232545	Mount counters to support frame	29-Jul-13	30-Aug-13	5.00	$2,109	1.15	$0	$2,109	$0	4.00
142232546	Panel 1-b QA and baseline measurements	01-Aug-13	30-Aug-13	4.40	$7,192	3.92	$0	$7,192	$0	4.00
142232549M	Panel 2 preparation	03-Jan-12		0.00	$0	0.00	$0	$0	$0	62.40
142232550	PMT/Divider Procurement Prep - Labor	03-Jan-12	30-Mar-12	12.40	$2,824	1.00	$0	$2,824	$0	62.40
142232555	PMT/Divider Procurement	01-Oct-12	07-Jan-13	12.60	$0	0.00	$39,556	$39,556	$0	37.00
142232560	Misc. Repair Parts	01-Aug-12	05-Jun-13	41.80	$0	0.00	$10,648	$10,648	$0	16.20



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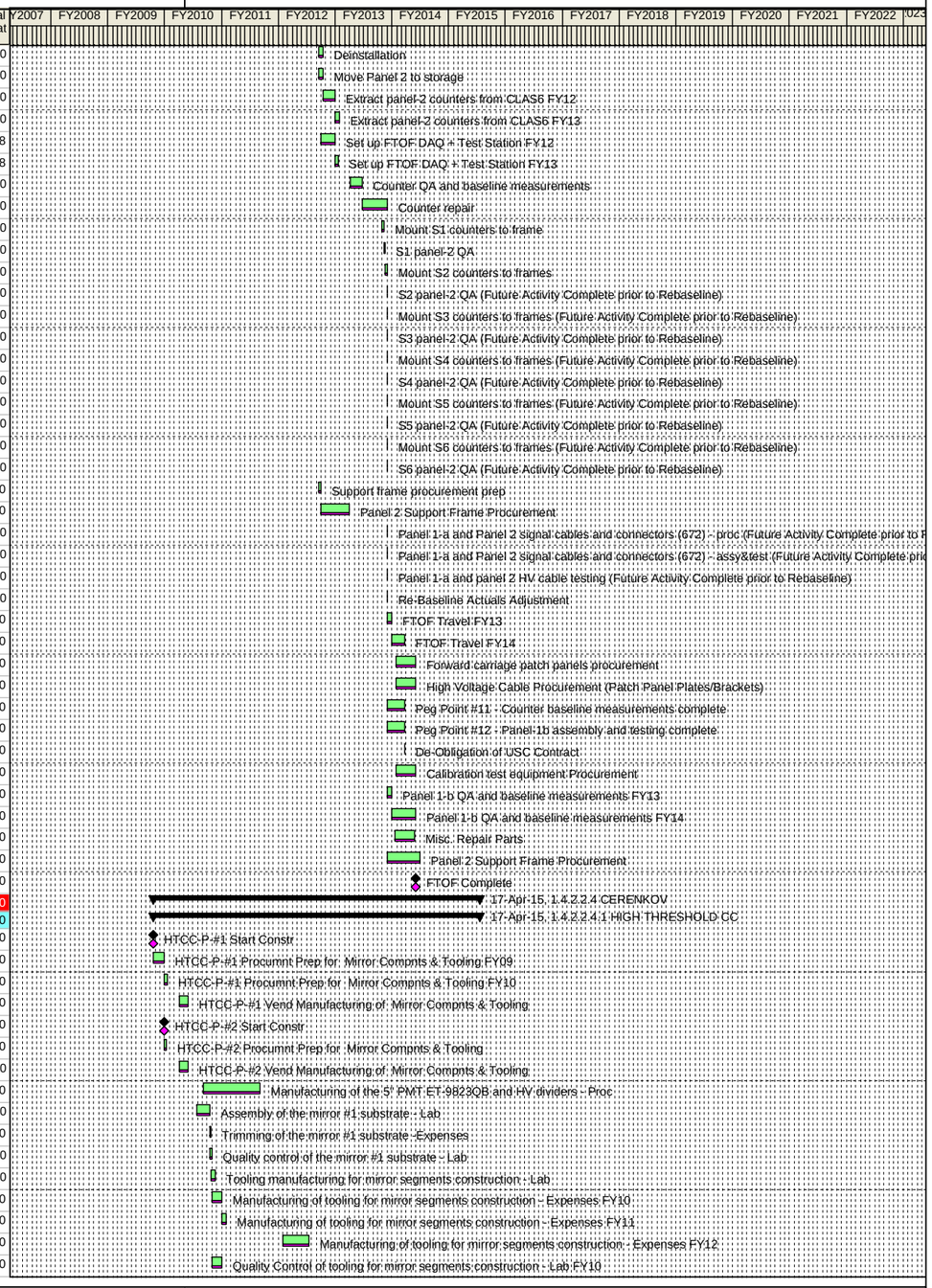
Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
142232565	Deinstallation	15-Jun-12	12-Jul-12	4.00	$0	0.00	$0	$0	$0	4.00
142232570	Move Panel 2 to storage	15-Jun-12	12-Jul-12	4.00	$0	0.00	$2,580	$2,580	$0	4.00
142232575	Extract panel-2 counters from CLAS6 FY12	13-Jul-12	28-Sep-12	11.00	$15,854	8.92	$0	$15,854	$0	4.00
142232575a	Extract panel-2 counters from CLAS6 FY13	01-Oct-12	25-Oct-12	3.80	$5,652	3.08	$0	$5,652	$0	4.00
142232580	Set up FTOF DAQ + Test Station FY12	05-Jul-12	28-Sep-12	12.20	$4,410	1.56	$0	$4,410	$0	13.38
142232580a	Set up FTOF DAQ + Test Station FY13	01-Oct-12	24-Oct-12	3.43	$1,278	0.44	$0	$1,278	$0	13.38
142232585	Counter QA and baseline measurements	09-Jan-13	25-Mar-13	10.40	$11,006	6.00	$0	$11,006	$0	4.00
142232590	Counter repair	26-Mar-13	30-Aug-13	22.40	$40,751	22.22	$0	$40,751	$0	4.00
142232595	Mount S1 counters to frame	30-Jul-13	12-Aug-13	2.00	$3,669	2.00	$0	$3,669	$0	4.00
142232600	S1 panel-2 QA	13-Aug-13	19-Aug-13	1.00	$1,834	1.00	$0	$1,834	$0	4.00
142232605	Mount S2 counters to frames	20-Aug-13	30-Aug-13	1.80	$3,302	1.80	$0	$3,302	$0	4.00
142232610	S2 panel-2 QA (Future Activity Complete prior to Rebaseline)	30-Aug-13	30-Aug-13	0.20	$0	0.00	$0	$0	$0	4.00
142232615	Mount S3 counters to frames (Future Activity Complete prior to Rebaseline)	30-Aug-13	30-Aug-13	0.20	$0	0.00	$0	$0	$0	4.00
142232620	S3 panel-2 QA (Future Activity Complete prior to Rebaseline)	30-Aug-13	30-Aug-13	0.20	$0	0.00	$0	$0	$0	4.00
142232625	Mount S4 counters to frames (Future Activity Complete prior to Rebaseline)	30-Aug-13	30-Aug-13	0.20	$0	0.00	$0	$0	$0	4.00
142232630	S4 panel-2 QA (Future Activity Complete prior to Rebaseline)	30-Aug-13	30-Aug-13	0.20	$0	0.00	$0	$0	$0	4.00
142232635	Mount S5 counters to frames (Future Activity Complete prior to Rebaseline)	30-Aug-13	30-Aug-13	0.20	$0	0.00	$0	$0	$0	4.00
142232640	S5 panel-2 QA (Future Activity Complete prior to Rebaseline)	30-Aug-13	30-Aug-13	0.20	$0	0.00	$0	$0	$0	4.00
142232645	Mount S6 counters to frames (Future Activity Complete prior to Rebaseline)	30-Aug-13	30-Aug-13	0.20	$0	0.00	$0	$0	$0	4.00
142232650	S6 panel-2 QA (Future Activity Complete prior to Rebaseline)	30-Aug-13	30-Aug-13	0.20	$0	0.00	$0	$0	$0	4.00
142232654	Support frame procurement prep	19-Jun-12	02-Jul-12	2.00	$5,649	2.00	$0	$5,649	$0	37.60
142232655	Panel 2 Support Frame Procurement	03-Jul-12	02-Jan-13	24.60	$0	0.00	$47,423	$47,423	$0	37.60
142232660	Panel 1-a and Panel 2 signal cables and connectors (672) - proc (Future Activity Comple...	30-Aug-13	30-Aug-13	0.20	$0	0.00	$0	$0	$0	4.00
142232665	Panel 1-a and Panel 2 signal cables and connectors (672) - assy&test (Future Activity C...	30-Aug-13	30-Aug-13	0.20	$0	0.00	$0	$0	$0	4.00
142232680	Panel 1-a and panel 2 HV cable testing (Future Activity Complete prior to Rebaseline)	30-Aug-13	30-Aug-13	0.20	$0	0.00	$0	$0	$0	4.00
142232690	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($159,761)	($159,761)	$0	4.00
242232180	FTOF Travel FY13	03-Sep-13	30-Sep-13	4.00	$0	0.00	$0	$612	$612	98.80
242232185	FTOF Travel FY14	01-Oct-13	20-Dec-13	11.40	$0	0.00	$0	$2,198	$2,198	98.80
242232232	Forward carriage patch panels procurement	30-Oct-13	28-Feb-14	15.40	$0	0.00	$5,306	$5,306	$0	90.60
242232265a	High Voltage Cable Procurement (Patch Panel Plates/Brackets)	30-Oct-13	28-Feb-14	15.40	$0	0.00	$7,831	$7,831	$0	90.60
242232320Q	Peg Point #11 - Counter baseline measurements complete	03-Sep-13	20-Dec-13	15.40	$0	0.00	$53,643	$53,643	$0	91.20
242232320R	Peg Point #12 - Panel-1b assembly and testing complete	03-Sep-13	20-Dec-13	15.40	$0	0.00	$121,531	$121,531	$0	91.20
242232320S	De-Obligation of USC Contract	20-Dec-13	20-Dec-13	0.20	$0	0.00	($46,531)	($46,531)	$0	91.20
242232396	Calibration test equipment Procurement	30-Oct-13	28-Feb-14	15.40	$0	0.00	$2,582	$2,582	$0	90.60
242232546	Panel 1-b QA and baseline measurements FY13	03-Sep-13	30-Sep-13	4.00	$1,244	11.53	$0	$1,244	$0	90.60
242232546a	Panel 1-b QA and baseline measurements FY14	01-Oct-13	28-Feb-14	19.60	$6,094	56.47	$0	$6,094	$0	90.60
242232560	Misc. Repair Parts	23-Oct-13	21-Feb-14	15.40	$0	0.00	$0	$5,324	$5,324	91.60
242232655	Panel 2 Support Frame Procurement	03-Sep-13	31-Mar-14	27.80	$0	0.00	$4,472	$4,472	$0	90.60
242232685M	FTOF Complete		03-Mar-14	0.00	$0	0.00	$0	$0	$0	90.60
1.4.2.2.4 CERENKOV		23-Jul-09	17-Apr-15	284.20	$1,654,124	950.86	$1,701,482	$3,879,920	$524,314	47.20
1.4.2.2.4.1 HIGH THRESHOLD CC		23-Jul-09	17-Apr-15	284.20	$1,235,275	716.52	$1,330,892	$3,025,350	$459,183	34.40
142241000M	HTCC-P-#1 Start Constr	23-Jul-09		0.00	$0	0.00	$0	$0	$0	97.20
142241002	HTCC-P-#1 Procumnt Prep for Mirror Compnts & Tooling FY09	23-Jul-09	30-Sep-09	9.80	$4,198	1.63	$0	$4,198	$0	97.20
142241002b	HTCC-P-#1 Procumnt Prep for Mirror Compnts & Tooling FY10	01-Oct-09	15-Oct-09	2.20	$973	0.37	$0	$973	$0	97.20
142241005	HTCC-P-#1 Vend Manufacturing of Mirror Compnts & Tooling	05-Jan-10	26-Feb-10	7.40	$0	0.00	$0	$37,809	$37,809	87.40
142241026M	HTCC-P-#2 Start Constr	01-Oct-09		0.00	$0	0.00	$0	$0	$0	14.00
142241102	HTCC-P-#2 Procumnt Prep for Mirror Compnts & Tooling	01-Oct-09	14-Oct-09	2.00	$2,652	1.00	$0	$2,652	$0	14.00
142241105	HTCC-P-#2 Vend Manufacturing of Mirror Compnts & Tooling	05-Jan-10	26-Feb-10	7.40	$0	0.00	$0	$37,809	$37,809	4.00
142241210	Manufacturing of the 5" PMT ET-9823QB and HV dividers - Proc	07-Jun-10	07-Jun-11	49.80	$0	0.00	$364,000	$364,000	$0	87.40
142241250	Assembly of the mirror #1 substrate - Lab	23-Apr-10	15-Jul-10	11.60	$2,652	1.00	$0	$2,652	$0	4.00
142241255	Trimming of the mirror #1 substrate -Expenses	16-Jul-10	22-Jul-10	1.00	$0	0.00	$0	$500	$500	158.40
142241260	Quality control of the mirror #1 substrate - Lab	16-Jul-10	29-Jul-10	2.00	$2,652	1.00	$0	$2,652	$0	4.00
142241265	Tooling manufacturing for mirror segments construction - Lab	29-Jul-10	19-Aug-10	3.20	$7,114	3.00	$0	$7,114	$0	4.00
142241270	Manufacturing of tooling for mirror segments construction - Expenses FY10	30-Jul-10	30-Sep-10	8.80	$0	0.00	$0	$14,044	$14,044	45.60
142241270a	Manufacturing of tooling for mirror segments construction - Expenses FY11	01-Oct-10	28-Oct-10	4.00	$0	0.00	$0	$6,587	$6,587	45.60
142241270b	Manufacturing of tooling for mirror segments construction - Expenses FY12	01-Nov-11	16-Apr-12	22.00	$0	0.00	$0	$47,500	$47,500	46.80
142241275	Quality Control of tooling for mirror segments construction - Lab FY10	30-Jul-10	30-Sep-10	8.80	$2,245	0.85	$0	$2,245	$0	123.90



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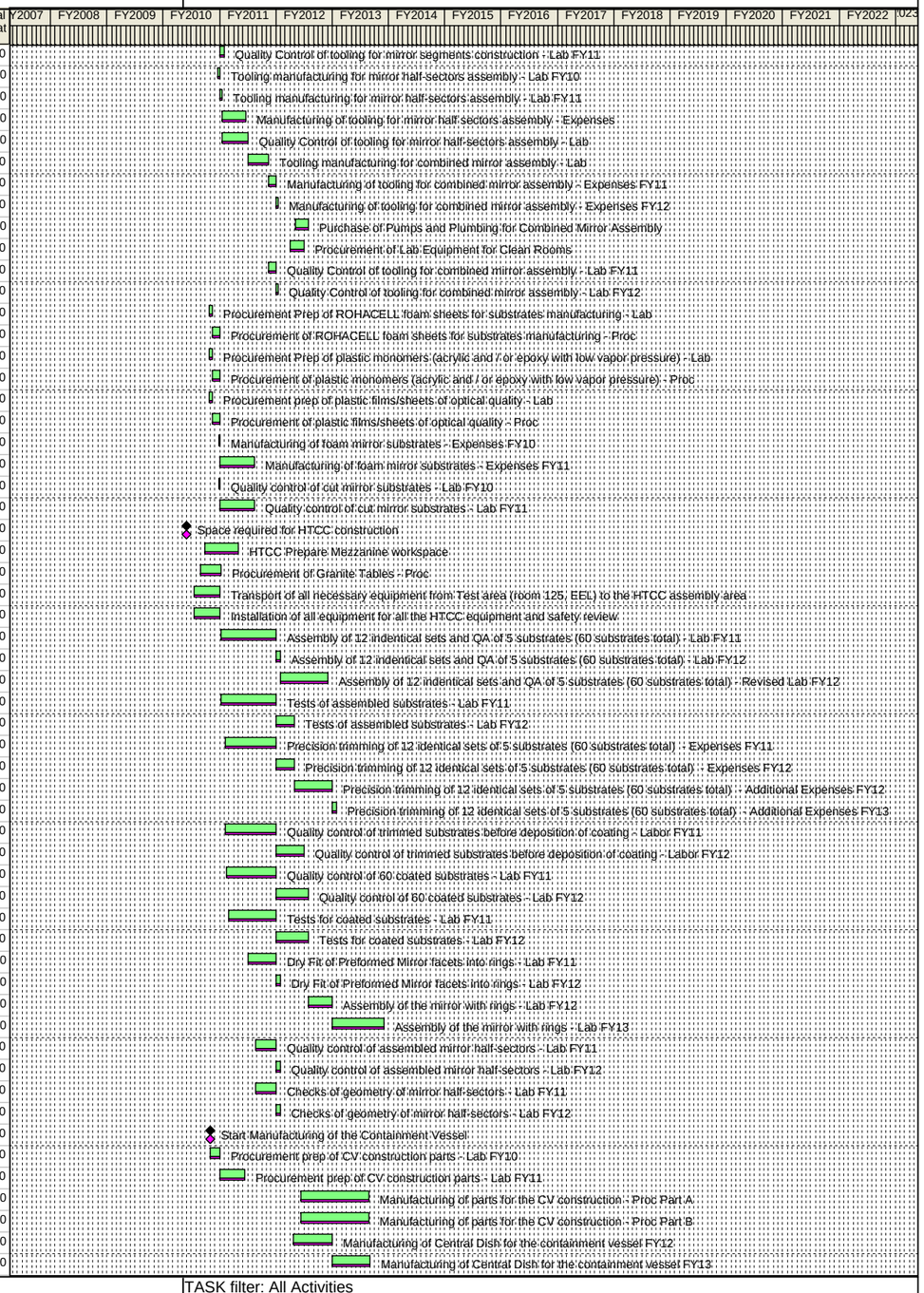
Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
142241275a	Quality Control of tooling for mirror segments construction - Lab FY11	01-Oct-10	29-Oct-10	4.20	$1,105	0.40	$0	$1,105	$0	123.90
142241280	Tooling manufacturing for mirror half-sectors assembly - Lab FY10	17-Sep-10	30-Sep-10	2.00	$4,062	1.67	$0	$4,062	$0	4.00
142241280a	Tooling manufacturing for mirror half-sectors assembly - Lab FY11	01-Oct-10	20-Oct-10	2.80	$5,868	2.33	$0	$5,868	$0	4.00
142241285	Manufacturing of tooling for mirror half sectors assembly - Expenses	21-Oct-10	23-Mar-11	20.00	$0	0.00	$0	$22,289	$22,289	6.00
142241290	Quality Control of tooling for mirror half-sectors assembly - Lab	21-Oct-10	06-Apr-11	22.00	$3,079	1.13	$0	$3,079	$0	4.00
142241295	Tooling manufacturing for combined mirror assembly - Lab	07-Apr-11	17-Aug-11	18.60	$14,645	6.00	$0	$14,645	$0	96.40
142241300	Manufacturing of tooling for combined mirror assembly - Expenses FY11	18-Aug-11	30-Sep-11	6.20	$0	0.00	$0	$22,318	$22,318	100.10
142241300a	Manufacturing of tooling for combined mirror assembly - Expenses FY12	03-Oct-11	18-Oct-11	2.40	$0	0.00	$0	$8,915	$8,915	100.10
142241300b	Purchase of Pumps and Plumbing for Combined Mirror Assembly	03-Feb-12	30-Apr-12	12.20	$0	0.00	$38,000	$38,000	$0	4.20
142241302	Procurement of Lab Equipment for Clean Rooms	05-Jan-12	02-Apr-12	12.20	$0	0.00	$31,000	$31,000	$0	74.80
142241305	Quality Control of tooling for combined mirror assembly - Lab FY11	18-Aug-11	30-Sep-11	6.20	$2,893	1.06	$0	$2,893	$0	96.40
142241305a	Quality Control of tooling for combined mirror assembly - Lab FY12	03-Oct-11	19-Oct-11	2.60	$1,252	0.44	$0	$1,252	$0	96.40
142241310	Procurement Prep of ROHACELL foam sheets for substrates manufacturing - Lab	29-Jul-10	12-Aug-10	2.20	$1,326	0.50	$0	$1,326	$0	118.00
142241315	Procurement of ROHACELL foam sheets for substrates manufacturing - Proc	13-Aug-10	30-Sep-10	6.80	$0	0.00	$4,200	$4,200	$0	118.00
142241320	Procurement Prep of plastic monomers (acrylic and / or epoxy with low vapor pressure) -...	29-Jul-10	12-Aug-10	2.20	$1,326	0.50	$0	$1,326	$0	47.40
142241325	Procurement of plastic monomers (acrylic and / or epoxy with low vapor pressure) - Proc	13-Aug-10	30-Sep-10	6.80	$0	0.00	$500	$500	$0	47.40
142241330	Procurement prep of plastic films/sheets of optical quality - Lab	29-Jul-10	12-Aug-10	2.20	$663	0.25	$0	$663	$0	118.00
142241335	Procurement of plastic films/sheets of optical quality - Proc	13-Aug-10	30-Sep-10	6.80	$0	0.00	$2,200	$2,200	$0	118.00
142241340	Manufacturing of foam mirror substrates - Expenses FY10	30-Sep-10	30-Sep-10	0.20	$0	0.00	$0	$779	$779	118.00
142241340a	Manufacturing of foam mirror substrates - Expenses FY11	01-Oct-10	17-May-11	30.60	$0	0.00	$0	$123,024	$123,024	118.00
142241345	Quality control of cut mirror substrates - Lab FY10	30-Sep-10	30-Sep-10	0.20	$26	0.01	$0	$26	$0	118.00
142241345a	Quality control of cut mirror substrates - Lab FY11	01-Oct-10	17-May-11	30.60	$4,079	1.49	$0	$4,079	$0	118.00
142241350M	Space required for HTCC construction	01-Mar-10		0.00	$0	0.00	$0	$0	$0	27.40
142241354	HTCC Prepare Mezzanine workspace	01-Jul-10	31-Jan-11	28.40	$0	0.00	$70,000	$70,000	$0	47.60
142241355	Procurement of Granite Tables - Proc	28-May-10	11-Oct-10	18.80	$0	0.00	$10,000	$10,000	$0	27.40
142241360	Transport of all necessary equipment from Test area (room 125, EEL) to the HTCC asse...	19-Apr-10	30-Sep-10	23.20	$0	0.00	$0	$0	$0	49.20
142241365	Installation of all equipment for all the HTCC equipment and safety review	19-Apr-10	30-Sep-10	23.20	$0	0.00	$0	$0	$0	49.20
142241370	Assembly of 12 indentical sets and QA of 5 substrates (60 substrates total) - Lab FY11	14-Oct-10	30-Sep-11	47.80	$87,166	61.08	$0	$87,166	$0	47.40
142241370a	Assembly of 12 indentical sets and QA of 5 substrates (60 substrates total) - Lab FY12	03-Oct-11	31-Oct-11	4.20	$7,903	5.37	$0	$7,903	$0	47.40
142241370b	Assembly of 12 indentical sets and QA of 5 substrates (60 substrates total) - Revised La...	01-Nov-11	31-Aug-12	41.40	$154,055	81.37	$0	$154,055	$0	47.40
142241375	Tests of assembled substrates - Lab FY11	14-Oct-10	30-Sep-11	47.80	$6,206	5.29	$0	$6,206	$0	83.60
142241375a	Tests of assembled substrates - Lab FY12	03-Oct-11	30-Jan-12	15.40	$2,064	1.71	$0	$2,064	$0	83.60
142241380	Precision trimming of 12 identical sets of 5 substrates (60 substrates total) - Expenses ...	08-Nov-10	30-Sep-11	44.40	$0	0.00	$0	$14,710	$14,710	45.60
142241380a	Precision trimming of 12 identical sets of 5 substrates (60 substrates total) - Expenses ...	03-Oct-11	30-Jan-12	15.40	$0	0.00	$0	$5,265	$5,265	45.60
142241382	Precision trimming of 12 identical sets of 5 substrates (60 substrates total) - Additional ...	31-Jan-12	28-Sep-12	34.00	$0	0.00	$0	$5,984	$5,984	45.60
142241382a	Precision trimming of 12 identical sets of 5 substrates (60 substrates total) - Additional ...	01-Oct-12	26-Oct-12	4.00	$0	0.00	$0	$726	$726	45.60
142241385	Quality control of trimmed substrates before deposition of coating - Labor FY11	09-Nov-10	30-Sep-11	44.20	$3,525	1.29	$0	$3,525	$0	70.60
142241385a	Quality control of trimmed substrates before deposition of coating - Labor FY12	03-Oct-11	02-Apr-12	24.20	$1,991	0.71	$0	$1,991	$0	70.60
142241395	Quality control of 60 coated substrates - Lab FY11	15-Nov-10	30-Sep-11	43.40	$1,655	0.60	$0	$1,655	$0	70.60
142241395a	Quality control of 60 coated substrates - Lab FY12	03-Oct-11	01-May-12	28.40	$1,117	0.40	$0	$1,117	$0	70.60
142241400	Tests for coated substrates - Lab FY11	01-Dec-10	30-Sep-11	41.40	$3,627	8.90	$0	$3,627	$0	70.60
142241400a	Tests for coated substrates - Lab FY12	03-Oct-11	01-May-12	28.40	$2,566	6.10	$0	$2,566	$0	70.60
142241405	Dry Fit of Preformed Mirror facets into rings - Lab FY11	07-Apr-11	30-Sep-11	24.80	$35,741	25.42	$0	$35,741	$0	4.00
142241405a	Dry Fit of Preformed Mirror facets into rings - Lab FY12	03-Oct-11	31-Oct-11	4.20	$6,246	4.30	$0	$6,246	$0	4.00
142241405b	Assembly of the mirror with rings - Lab FY12	02-May-12	28-Sep-12	21.00	$51,303	29.33	$0	$51,303	$0	4.00
142241405ba	Assembly of the mirror with rings - Lab FY13	01-Oct-12	30-Aug-13	45.60	$114,959	63.69	$0	$114,959	$0	4.00
142241410	Quality control of assembled mirror half-sectors - Lab FY11	20-May-11	30-Sep-11	18.60	$3,210	2.32	$0	$3,210	$0	94.80
142241410a	Quality control of assembled mirror half-sectors - Lab FY12	03-Oct-11	31-Oct-11	4.20	$748	0.52	$0	$748	$0	94.80
142241415	Checks of geometry of mirror half-sectors - Lab FY11	20-May-11	30-Sep-11	18.60	$3,391	2.30	$0	$3,391	$0	94.80
142241415a	Checks of geometry of mirror half-sectors - Lab FY12	03-Oct-11	31-Oct-11	4.20	$790	0.52	$0	$790	$0	94.80
142241430M	Start Manufacturing of the Containment Vessel	02-Aug-10		0.00	$0	0.00	$0	$0	$0	51.80
142241435	Procurement prep of CV construction parts - Lab FY10	02-Aug-10	30-Sep-10	8.60	$2,021	0.85	$0	$2,021	$0	51.80
142241435a	Procurement prep of CV construction parts - Lab FY11	01-Oct-10	15-Mar-11	21.60	$5,237	2.15	$0	$5,237	$0	51.80
142241440	Manufacturing of parts for the CV construction - Proc Part A	12-Mar-12	24-May-13	60.40	$0	0.00	$10,000	$10,000	$0	4.00
142241440a	Manufacturing of parts for the CV construction - Proc Part B	12-Mar-12	24-May-13	60.40	$0	0.00	$90,000	$90,000	$0	4.00
142241445	Manufacturing of Central Dish for the containment vessel FY12	23-Jan-12	28-Sep-12	35.20	$0	0.00	$0	$31,059	$31,059	9.80
142241445a	Manufacturing of Central Dish for the containment vessel FY13	01-Oct-12	31-May-13	32.80	$0	0.00	$0	$29,864	$29,864	9.80



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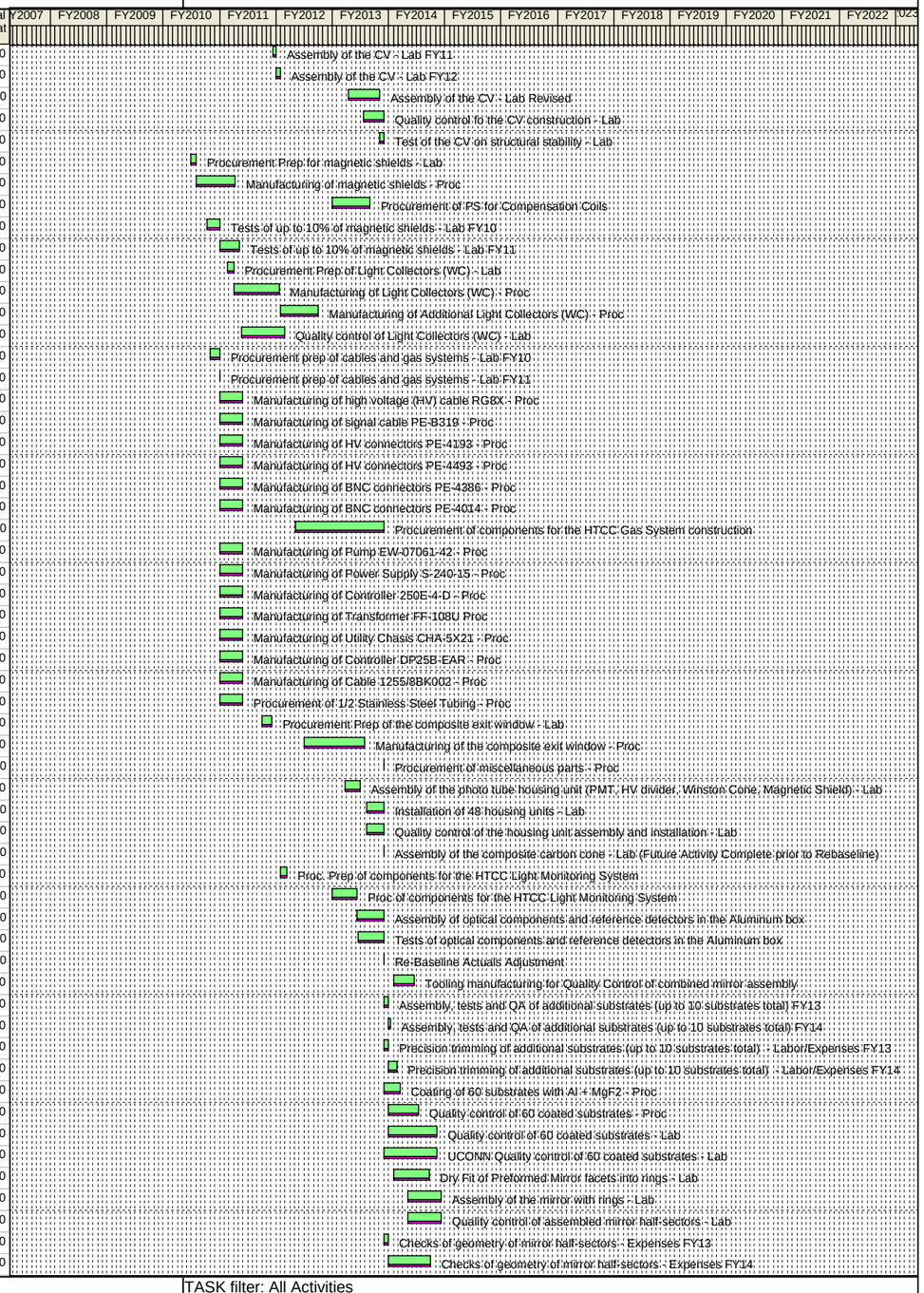
Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
142241450	Assembly of the CV - Lab FY11	15-Sep-11	30-Sep-11	2.40	$1,357	0.85	$0	$1,357	$0	63.20
142241450a	Assembly of the CV - Lab FY12	03-Oct-11	31-Oct-11	4.20	$2,448	1.49	$0	$2,448	$0	63.20
142241450b	Assembly of the CV - Lab Revised	17-Jan-13	01-Aug-13	27.40	$94,822	45.33	$0	$94,822	$0	4.00
142241455	Quality control fo the CV construction - Lab	22-Apr-13	30-Aug-13	18.60	$3,864	1.58	$0	$3,864	$0	10.40
142241460	Test of the CV on structural stability - Lab	05-Aug-13	30-Aug-13	4.00	$3,465	1.33	$0	$3,465	$0	10.40
142241465	Procurement Prep for magnetic shields - Lab	31-Mar-10	05-May-10	5.20	$2,652	1.00	$0	$2,652	$0	104.20
142241470	Manufacturing of magnetic shields - Proc	06-May-10	06-Jan-11	33.00	$0	0.00	$64,800	$64,800	$0	104.20
142241472	Procurement of PS for Compensation Coils	01-Oct-12	31-May-13	32.80	$0	0.00	$6,191	$6,191	$0	16.80
142241475	Tests of up to 10% of magnetic shields - Lab FY10	12-Jul-10	30-Sep-10	11.60	$330	1.23	$0	$330	$0	104.20
142241475a	Tests of up to 10% of magnetic shields - Lab FY11	01-Oct-10	07-Feb-11	16.60	$487	1.77	$0	$487	$0	104.20
142241480	Procurement Prep of Light Collectors (WC) - Lab	24-Nov-10	05-Jan-11	4.60	$1,095	2.40	$0	$1,095	$0	63.40
142241485	Manufacturing of Light Collectors (WC) - Proc	06-Jan-11	25-Oct-11	40.80	$0	0.00	$23,837	$23,837	$0	63.40
142241487	Manufacturing of Additional Light Collectors (WC) - Proc	02-Nov-11	29-Jun-12	32.20	$0	0.00	$32,750	$32,750	$0	69.00
142241490	Quality control of Light Collectors (WC) - Lab	23-Feb-11	28-Nov-11	38.80	$0	3.00	$0	$0	$0	63.40
142241495	Procurement prep of cables and gas systems - Lab FY10	02-Aug-10	30-Sep-10	8.60	$5,725	2.87	$0	$5,725	$0	101.00
142241495a	Procurement prep of cables and gas systems - Lab FY11	01-Oct-10	04-Oct-10	0.40	$275	0.13	$0	$275	$0	101.00
142241500	Manufacturing of high voltage (HV) cable RG8X - Proc	05-Oct-10	02-Mar-11	19.40	$0	0.00	$3,054	$3,054	$0	101.00
142241505	Manufacturing of signal cable PE-B319 - Proc	05-Oct-10	02-Mar-11	19.40	$0	0.00	$8,193	$8,193	$0	101.00
142241510	Manufacturing of HV connectors PE-4193 - Proc	05-Oct-10	02-Mar-11	19.40	$0	0.00	$532	$532	$0	101.00
142241515	Manufacturing of HV connectors PE-4493 - Proc	05-Oct-10	02-Mar-11	19.40	$0	0.00	$1,652	$1,652	$0	101.00
142241520	Manufacturing of BNC connectors PE-4386 - Proc	05-Oct-10	02-Mar-11	19.40	$0	0.00	$824	$824	$0	101.00
142241525	Manufacturing of BNC connectors PE-4014 - Proc	05-Oct-10	02-Mar-11	19.40	$0	0.00	$176	$176	$0	101.00
142241527	Procurement of components for the HTCC Gas System construction	03-Feb-12	30-Aug-13	79.00	$0	0.00	$20,000	$20,000	$0	4.00
142241530	Manufacturing of Pump EW-07061-42 - Proc	05-Oct-10	02-Mar-11	19.40	$0	0.00	$411	$411	$0	128.80
142241535	Manufacturing of Power Supply S-240-15 - Proc	05-Oct-10	02-Mar-11	19.40	$0	0.00	$96	$96	$0	128.80
142241540	Manufacturing of Controller 250E-4-D - Proc	05-Oct-10	02-Mar-11	19.40	$0	0.00	$2,576	$2,576	$0	128.80
142241545	Manufacturing of Transformer FF-108U Proc	05-Oct-10	02-Mar-11	19.40	$0	0.00	$30	$30	$0	128.80
142241550	Manufacturing of Utility Chasis CHA-5X21 - Proc	05-Oct-10	02-Mar-11	19.40	$0	0.00	$276	$276	$0	128.80
142241555	Manufacturing of Controller DP25B-EAR - Proc	05-Oct-10	02-Mar-11	19.40	$0	0.00	$408	$408	$0	128.80
142241560	Manufacturing of Cable 1255/8BK002 - Proc	05-Oct-10	02-Mar-11	19.40	$0	0.00	$2,032	$2,032	$0	128.80
142241565	Procurement of 1/2 Stainless Steel Tubing - Proc	05-Oct-10	02-Mar-11	19.40	$0	0.00	$1,362	$1,362	$0	128.80
142241570	Procurement Prep of the composite exit window - Lab	01-Jul-11	02-Sep-11	9.00	$24,635	9.00	$0	$24,635	$0	21.20
142241575	Manufacturing of the composite exit window - Proc	03-Apr-12	30-Apr-13	53.60	$0	0.00	$22,000	$22,000	$0	21.20
142241580	Procurement of miscellaneous parts - Proc	30-Aug-13	30-Aug-13	0.20	$0	0.00	$70	$70	$0	4.00
142241585	Assembly of the photo tube housing unit (PMT, HV divider, Winston Cone, Magnetic Shi...	21-Dec-12	29-Mar-13	12.60	$5,777	4.00	$0	$5,777	$0	10.40
142241590	Installation of 48 housing units - Lab	15-May-13	30-Aug-13	15.20	$3,485	1.90	$0	$3,485	$0	4.00
142241595	Quality control of the housing unit assembly and installation - Lab	15-May-13	30-Aug-13	15.20	$1,384	0.48	$0	$1,384	$0	4.00
142241600	Assembly of the composite carbon cone - Lab (Future Activity Complete prior to Rebasel...	30-Aug-13	30-Aug-13	0.20	$0	0.00	$0	$0	$0	4.00
142241647	Proc. Prep of components for the HTCC Light Monitoring System	01-Nov-11	12-Dec-11	5.60	$5,610	2.00	$0	$5,610	$0	41.60
142241647a	Proc of components for the HTCC Light Monitoring System	01-Oct-12	07-Mar-13	20.80	$0	0.00	$9,081	$9,081	$0	4.00
142241647b	Assembly of optical components and reference detectors in the Aluminum box	12-Mar-13	30-Aug-13	24.40	$1,799	1.88	$0	$1,799	$0	4.00
142241647c	Tests of optical components and reference detectors in the Aluminum box	15-Mar-13	30-Aug-13	23.80	$965	0.91	$0	$965	$0	4.00
142241655	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$452,568	$452,568	$0	4.00
242241300	Tooling manufacturing for Quality Control of combined mirror assembly	01-Nov-13	14-Mar-14	17.00	$0	0.00	$0	$25,000	$25,000	53.00
242241370	Assembly, tests and QA of additional substrates (up to 10 substrates total) FY13	03-Sep-13	30-Sep-13	4.00	$376	0.29	$0	$376	$0	105.30
242241370a	Assembly, tests and QA of additional substrates (up to 10 substrates total) FY14	01-Oct-13	14-Oct-13	1.90	$414	0.31	$0	$414	$0	105.30
242241372	Precision trimming of additional substrates (up to 10 substrates total) - Labor/Expenses ...	03-Sep-13	30-Sep-13	4.00	$129	0.16	$0	$935	$806	98.80
242241372a	Precision trimming of additional substrates (up to 10 substrates total) - Labor/Expenses ...	01-Oct-13	27-Nov-13	8.40	$270	0.34	$0	$1,964	$1,694	98.80
242241390	Coating of 60 substrates with Al + MgF2 - Proc	03-Sep-13	13-Dec-13	14.40	$0	0.00	$13,250	$13,250	$0	31.80
242241395	Quality control of 60 coated substrates - Proc	03-Oct-13	15-Apr-14	25.60	$0	0.00	$8,758	$8,758	$0	48.60
242241395a	Quality control of 60 coated substrates - Lab	03-Oct-13	13-Aug-14	42.40	$9,240	6.07	$0	$9,240	$0	31.80
242241400	UCONN Quality control of 60 coated substrates - Lab	03-Sep-13	13-Aug-14	46.80	$0	0.00	$2,136	$2,136	$0	31.80
242241405	Dry Fit of Preformed Mirror facets into rings - Lab	01-Nov-13	25-Jun-14	31.40	$46,831	31.00	$0	$46,831	$0	31.80
242241405b	Assembly of the mirror with rings - Lab	05-Feb-14	05-Sep-14	30.00	$114,637	61.50	$0	$114,637	$0	31.80
242241410	Quality control of assembled mirror half-sectors - Lab	05-Feb-14	05-Sep-14	30.00	$71,150	52.00	$0	$71,150	$0	31.80
242241415	Checks of geometry of mirror half-sectors - Expenses FY13	03-Sep-13	30-Sep-13	4.00	$0	0.00	$0	$49	$49	33.60
242241415a	Checks of geometry of mirror half-sectors - Expenses FY14	01-Oct-13	30-Jun-14	36.60	$0	0.00	$0	$451	$451	33.60



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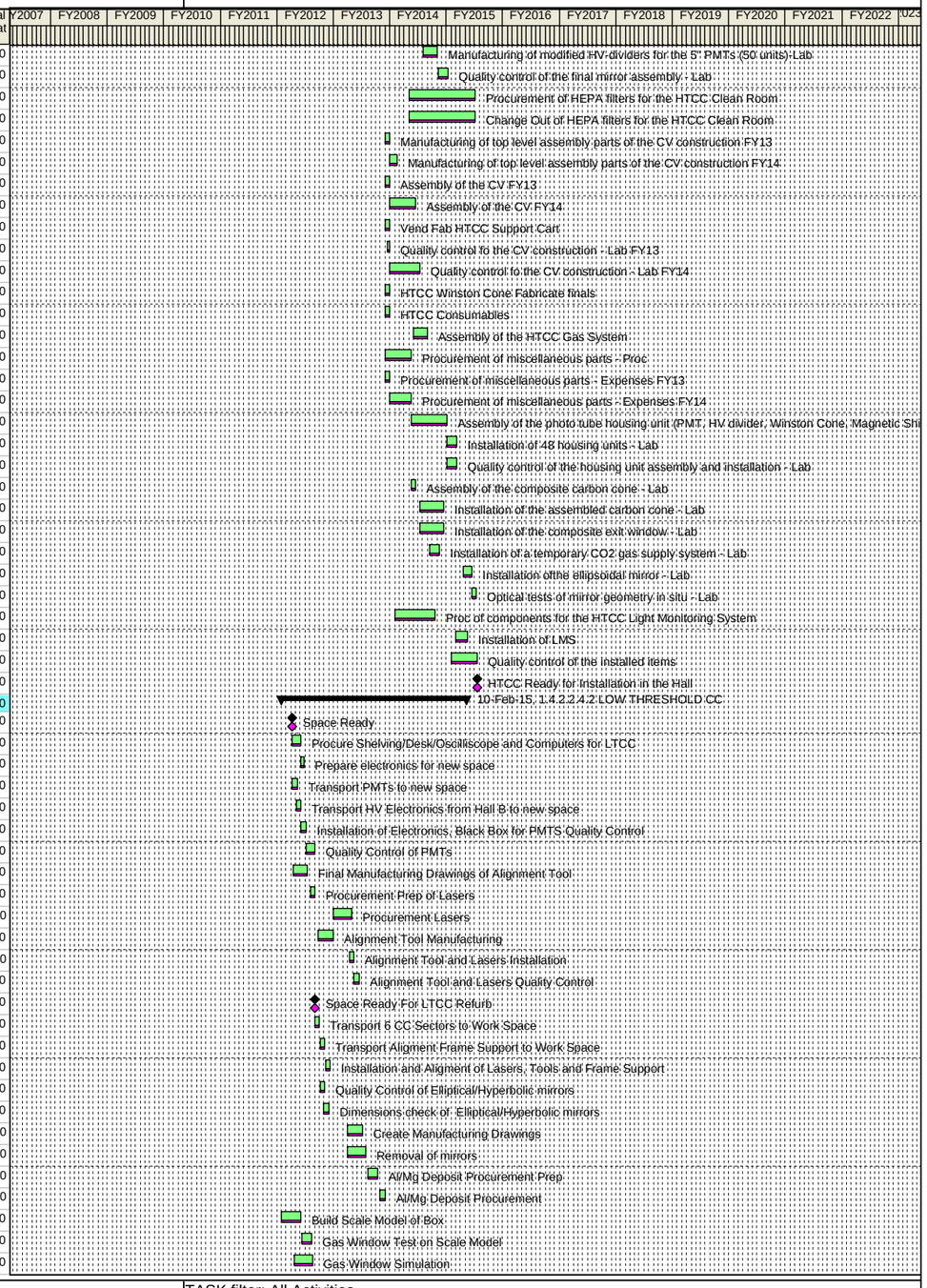
Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
242241417	Manufacturing of modified HV-dividers for the 5" PMTs (50 units)-Lab	05-May-14	31-Jul-14	12.40	$1,822	1.00	$0	$1,822	$0	33.60
242241425	Quality control of the final mirror assembly - Lab	14-Aug-14	15-Oct-14	8.80	$62,198	26.40	$0	$62,198	$0	31.80
242241430	Procurement of HEPA filters for the HTCC Clean Room	05-Feb-14	06-Apr-15	58.00	$0	0.00	$5,400	$5,400	$0	33.20
242241435	Change Out of HEPA filters for the HTCC Clean Room	05-Feb-14	07-Apr-15	58.20	$2,201	1.20	$0	$2,201	$0	33.00
242241450aa	Manufacturing of top level assembly parts of the CV construction FY13	03-Sep-13	30-Sep-13	4.00	$0	0.00	$0	$5,556	$5,556	54.60
242241450a	Manufacturing of top level assembly parts of the CV construction FY14	01-Oct-13	15-Nov-13	6.80	$0	0.00	$0	$9,444	$9,444	54.60
242241450b	Assembly of the CV FY13	03-Sep-13	30-Sep-13	4.00	$5,433	2.96	$0	$5,433	$0	51.40
242241450ba	Assembly of the CV FY14	01-Oct-13	18-Mar-14	22.00	$29,880	16.29	$0	$29,880	$0	51.40
242241452	Vend Fab HTCC Support Cart	03-Sep-13	30-Sep-13	4.00	$0	0.00	$16,273	$16,273	$0	110.20
242241455	Quality control fo the CV construction - Lab FY13	17-Sep-13	30-Sep-13	2.00	$947	0.43	$0	$947	$0	51.40
242241455a	Quality control fo the CV construction - Lab FY14	01-Oct-13	14-Apr-14	25.80	$12,219	5.57	$0	$12,219	$0	51.40
242241457	HTCC Winston Cone Fabricate finals	03-Sep-13	30-Sep-13	4.00	$0	0.00	$3,300	$3,300	$0	110.20
242241462	HTCC Consumables	03-Sep-13	30-Sep-13	4.00	$0	0.00	$305	$305	$0	110.20
242241528	Assembly of the HTCC Gas System	04-Mar-14	03-Jun-14	13.00	$11,163	7.50	$0	$11,163	$0	74.40
242241580	Procurement of miscellaneous parts - Proc	03-Sep-13	13-Feb-14	21.40	$0	0.00	$5,775	$5,775	$0	31.40
242241580a	Procurement of miscellaneous parts - Expenses FY13	03-Sep-13	30-Sep-13	4.00	$0	0.00	$0	$1,308	$1,308	31.40
242241580b	Procurement of miscellaneous parts - Expenses FY14	01-Oct-13	13-Feb-14	17.40	$0	0.00	$0	$5,692	$5,692	31.40
242241585	Assembly of the photo tube housing unit (PMT, HV divider, Winston Cone, Magnetic Shi...	14-Feb-14	03-Oct-14	32.60	$10,096	8.75	$0	$10,096	$0	31.40
242241590	Installation of 48 housing units - Lab	06-Oct-14	05-Dec-14	8.60	$13,583	10.50	$0	$13,583	$0	31.40
242241595	Quality control of the housing unit assembly and installation - Lab	06-Oct-14	05-Dec-14	8.60	$6,627	3.00	$0	$6,627	$0	31.40
242241600	Assembly of the composite carbon cone - Lab	17-Feb-14	14-Mar-14	4.00	$3,669	2.00	$0	$3,669	$0	60.20
242241605	Installation of the assembled carbon cone - Lab	14-Apr-14	12-Sep-14	21.40	$6,573	3.00	$0	$6,573	$0	60.20
242241610	Installation of the composite exit window - Lab	14-Apr-14	12-Sep-14	21.40	$3,669	2.00	$0	$3,669	$0	60.20
242241630	Installation of a temporary CO2 gas supply system - Lab	17-Jun-14	18-Aug-14	8.80	$6,420	3.50	$0	$6,420	$0	63.80
242241640	Installation ofthe ellipsoidal mirror - Lab	20-Jan-15	16-Mar-15	8.00	$47,382	26.00	$0	$47,382	$0	31.80
242241645	Optical tests of mirror geometry in situ - Lab	18-Mar-15	15-Apr-15	4.20	$10,184	6.00	$0	$10,184	$0	31.80
242241647a	Proc of components for the HTCC Light Monitoring System	01-Nov-13	17-Jul-14	34.40	$0	0.00	$2,875	$2,875	$0	54.80
242241647d	Installation of LMS	04-Dec-14	16-Feb-15	8.80	$5,559	4.76	$0	$5,559	$0	31.40
242241647d5	Quality control of the installed items	06-Nov-14	17-Apr-15	21.20	$34,094	22.00	$0	$34,094	$0	31.40
242241650M	HTCC Ready for Installation in the Hall		17-Apr-15	0.00	$0	0.00	$0	$0	$0	31.40
1.4.2.2.4.2 LOW THRESHOLD CC		01-Nov-11	10-Feb-15	161.60	$418,849	234.34	$370,590	$854,570	$65,131	56.60
142242000M	Space Ready	12-Jan-12		0.00	$0	0.00	$0	$0	$0	66.00
142242005	Procure Shelving/Desk/Oscilliscope and Computers for LTCC	12-Jan-12	05-Mar-12	7.20	$1,412	0.50	$22,500	$23,912	$0	76.00
142242010	Prepare electronics for new space	06-Mar-12	23-Mar-12	2.80	$1,799	1.00	$0	$1,799	$0	76.00
142242015	Transport PMTs to new space	12-Jan-12	13-Feb-12	4.40	$889	0.50	$0	$889	$0	66.00
142242020	Transport HV Electronics from Hall B to new space	06-Feb-12	07-Mar-12	4.40	$889	0.50	$0	$889	$0	66.00
142242025	Installation of Electronics, Black Box for PMTS Quality Control	08-Mar-12	11-Apr-12	5.00	$1,799	1.00	$0	$1,799	$0	66.00
142242030	Quality Control of PMTs	12-Apr-12	05-Jun-12	7.40	$4,371	3.00	$0	$4,371	$0	66.00
142242035	Final Manufacturing Drawings of Alignment Tool	18-Jan-12	16-Apr-12	12.60	$5,550	3.00	$0	$5,550	$0	19.80
142242040	Procurement Prep of Lasers	07-May-12	06-Jun-12	4.20	$1,412	0.50	$0	$1,412	$0	19.80
142242045	Procurement Lasers	01-Oct-12	30-Jan-13	15.80	$1,457	0.50	$8,255	$9,712	$0	4.00
142242050	Alignment Tool Manufacturing	25-Jun-12	28-Sep-12	13.80	$1,350	1.00	$0	$5,850	$4,500	19.80
142242055	Alignment Tool and Lasers Installation	16-Jan-13	07-Feb-13	3.20	$2,374	1.00	$0	$2,374	$0	4.00
142242060	Alignment Tool and Lasers Quality Control	14-Feb-13	19-Mar-13	4.60	$3,712	2.00	$0	$3,712	$0	27.20
142242065M	Space Ready For LTCC Refurb	01-Jun-12		0.00	$0	0.00	$0	$0	$0	10.80
142242070	Transport 6 CC Sectors to Work Space	01-Jun-12	03-Jul-12	4.40	$0	0.00	$0	$0	$0	10.80
142242075	Transport Aligment Frame Support to Work Space	09-Jul-12	08-Aug-12	4.60	$0	0.00	$0	$0	$0	35.60
142242080	Installation and Aligment of Lasers, Tools and Frame Support	13-Aug-12	12-Sep-12	4.40	$3,576	2.00	$0	$3,576	$0	35.60
142242085	Quality Control of Elliptical/Hyperbolic mirrors	09-Jul-12	07-Aug-12	4.40	$7,195	4.00	$0	$7,195	$0	19.80
142242090	Dimensions check of Elliptical/Hyperbolic mirrors	01-Aug-12	05-Sep-12	5.00	$7,195	4.00	$0	$7,195	$0	19.80
142242095	Create Manufacturing Drawings	03-Jan-13	04-Apr-13	12.80	$7,954	4.00	$0	$7,954	$0	8.40
142242100	Removal of mirrors	03-Jan-13	30-Apr-13	16.40	$3,691	2.00	$0	$3,691	$0	4.00
142242105	Al/Mg Deposit Procurement Prep	10-May-13	11-Jul-13	8.60	$5,829	2.00	$0	$5,829	$0	4.00
142242110	Al/Mg Deposit Procurement	26-Jul-13	30-Aug-13	5.20	$472	0.26	$0	$472	$0	4.00
142242120	Build Scale Model of Box	01-Nov-11	05-Mar-12	16.00	$5,482	3.00	$0	$5,482	$0	25.20
142242125	Gas Window Test on Scale Model	12-Mar-12	11-May-12	9.00	$3,640	2.00	$0	$3,640	$0	69.00
142242130	Gas Window Simulation	20-Jan-12	18-May-12	17.00	$3,598	2.00	$0	$3,598	$0	47.20



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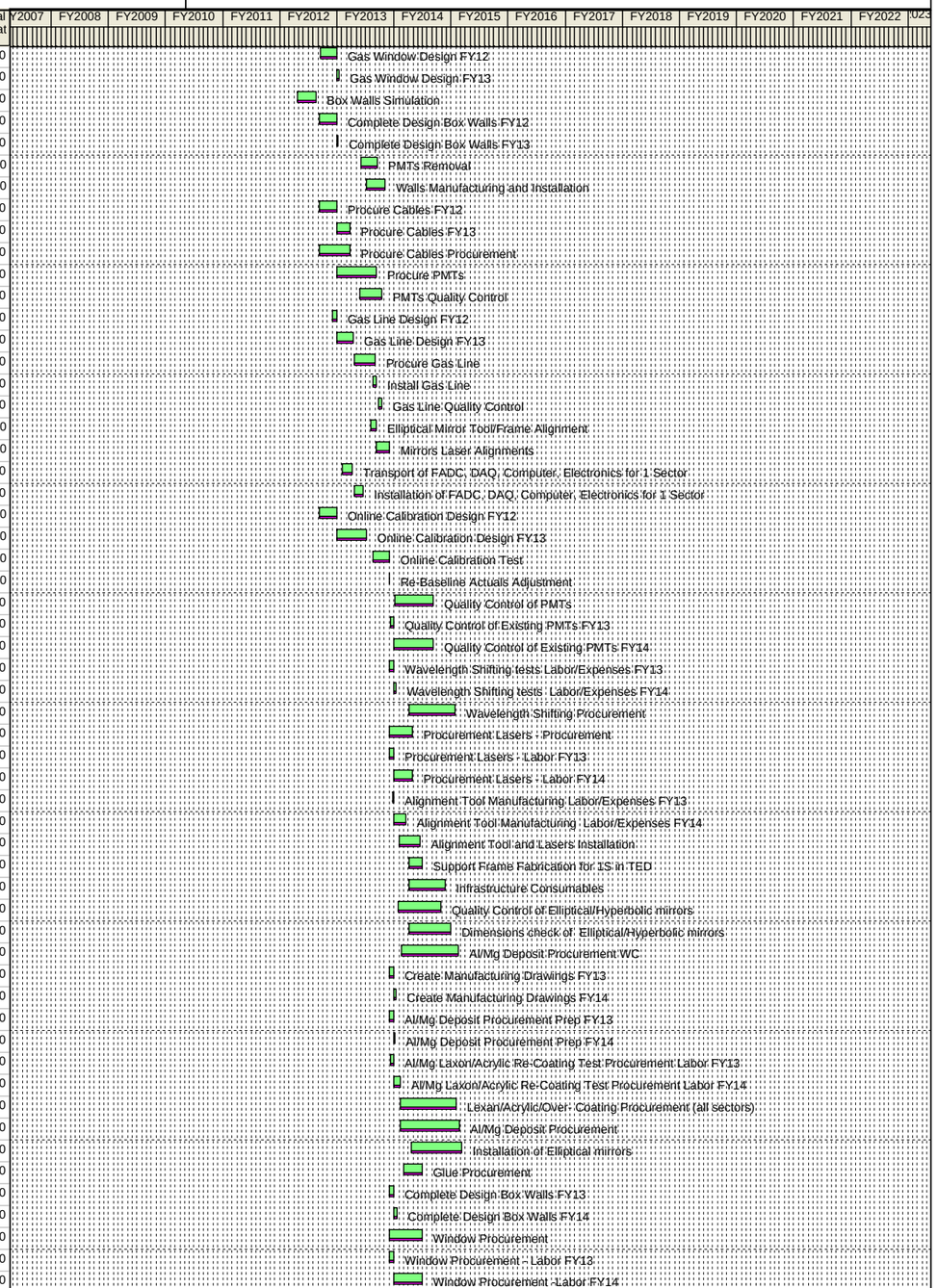
Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
142242135	Gas Window Design FY12	18-Jun-12	28-Sep-12	14.80	$3,206	1.72	$0	$3,206	$0	47.20
142242135a	Gas Window Design FY13	01-Oct-12	16-Oct-12	2.40	$536	0.28	$0	$536	$0	47.20
142242140	Box Walls Simulation	20-Jan-12	18-May-12	17.00	$0	0.00	$0	$0	$0	25.20
142242145	Complete Design Box Walls FY12	11-Jun-12	28-Sep-12	15.80	$7,002	3.72	$0	$7,002	$0	25.20
142242145a	Complete Design Box Walls FY13	01-Oct-12	08-Oct-12	1.20	$549	0.28	$0	$549	$0	25.20
142242150	PMTs Removal	04-Mar-13	19-Jun-13	15.40	$3,669	2.00	$0	$3,669	$0	8.20
142242155	Walls Manufacturing and Installation	11-Apr-13	01-Aug-13	15.80	$1,834	1.00	$0	$15,249	$13,415	8.20
142242165	Procure Cables FY12	11-Jun-12	28-Sep-12	15.80	$2,075	1.15	$0	$2,075	$0	38.00
142242165a	Procure Cables FY13	01-Oct-12	21-Dec-12	11.60	$1,571	0.85	$0	$1,571	$0	38.00
142242165b	Procure Cables Procurement	11-Jun-12	21-Dec-12	27.40	$0	0.00	$15,000	$15,000	$0	38.00
142242170	Procure PMTs	01-Oct-12	11-Jun-13	34.20	$3,712	2.00	$130,019	$133,732	$0	10.60
142242175	PMTs Quality Control	26-Feb-13	16-Jul-13	19.80	$3,712	2.00	$0	$3,712	$0	10.60
142242180	Gas Line Design FY12	04-Sep-12	28-Sep-12	3.80	$2,498	1.33	$0	$2,498	$0	10.80
142242180a	Gas Line Design FY13	01-Oct-12	11-Jan-13	13.40	$9,088	4.67	$0	$9,088	$0	10.80
142242185	Procure Gas Line	22-Jan-13	31-May-13	18.40	$2,914	1.00	$4,128	$7,042	$0	10.80
142242190	Install Gas Line	20-May-13	10-Jun-13	3.00	$3,669	2.00	$0	$3,669	$0	10.80
142242195	Gas Line Quality Control	24-Jun-13	15-Jul-13	3.00	$1,834	1.00	$0	$1,834	$0	10.80
142242200	Elliptical Mirror Tool/Frame Alignment	07-May-13	06-Jun-13	4.40	$3,823	2.00	$0	$3,823	$0	4.00
142242205	Mirrors Laser Alignments	12-Jun-13	30-Aug-13	11.40	$13,061	7.06	$0	$13,061	$0	4.00
142242210	Transport of FADC, DAQ, Computer, Electronics for 1 Sector	05-Nov-12	04-Jan-13	7.40	$4,749	2.00	$0	$4,749	$0	27.80
142242215	Installation of FADC, DAQ, Computer, Electronics for 1 Sector	23-Jan-13	14-Mar-13	7.20	$0	0.00	$0	$0	$0	27.80
142242220	Online Calibration Design FY12	11-Jun-12	28-Sep-12	15.80	$8,868	4.64	$0	$8,868	$0	4.00
142242220a	Online Calibration Design FY13	01-Oct-12	05-Apr-13	25.00	$14,479	7.34	$0	$14,479	$0	4.00
142242225	Online Calibration Test	20-May-13	30-Aug-13	14.60	$6,453	3.48	$0	$6,453	$0	4.00
142242245	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($25,768)	($25,768)	$0	4.00
242242030	Quality Control of PMTs	10-Oct-13	10-Jun-14	32.40	$0	3.00	$0	$0	$0	69.40
242242031	Quality Control of Existing PMTs FY13	10-Sep-13	30-Sep-13	3.00	$332	0.84	$0	$332	$0	49.60
242242031a	Quality Control of Existing PMTs FY14	01-Oct-13	10-Jun-14	33.80	$3,735	9.46	$0	$3,735	$0	49.60
242242036	Wavelength Shifting tests Labor/Expenses FY13	03-Sep-13	30-Sep-13	4.00	$1,316	0.45	$0	$2,606	$1,290	50.40
242242036a	Wavelength Shifting tests Labor/Expenses FY14	01-Oct-13	15-Oct-13	2.20	$724	0.25	$0	$1,434	$710	50.40
242242040	Wavelength Shifting Procurement	08-Jan-14	23-Oct-14	40.60	$0	0.00	$60,000	$60,000	$0	50.40
242242045	Procurement Lasers - Procurement	03-Sep-13	28-Jan-14	19.00	$0	0.00	$1,651	$1,651	$0	43.20
242242045a	Procurement Lasers - Labor FY13	03-Sep-13	30-Sep-13	4.00	$37	0.01	$0	$37	$0	43.20
242242045b	Procurement Lasers - Labor FY14	01-Oct-13	28-Jan-14	15.00	$138	0.05	$0	$138	$0	43.20
242242050	Alignment Tool Manufacturing Labor/Expenses FY13	20-Sep-13	30-Sep-13	1.40	$218	0.12	$0	$752	$534	43.40
242242050a	Alignment Tool Manufacturing Labor/Expenses FY14	01-Oct-13	13-Dec-13	10.40	$1,617	0.88	$0	$5,583	$3,966	43.40
242242055	Alignment Tool and Lasers Installation	01-Nov-13	18-Mar-14	17.40	$2,417	1.20	$0	$2,417	$0	43.20
242242076	Support Frame Fabrication for 1S in TED	07-Jan-14	02-Apr-14	12.20	$1,834	1.00	$0	$2,834	$1,000	79.00
242242077	Infrastructure Consumables	07-Jan-14	25-Aug-14	32.40	$0	0.00	$0	$16,200	$16,200	58.80
242242085	Quality Control of Elliptical/Hyperbolic mirrors	31-Oct-13	24-Jul-14	35.60	$9,881	9.20	$0	$9,881	$0	69.60
242242090	Dimensions check of Elliptical/Hyperbolic mirrors	07-Jan-14	01-Oct-14	37.60	$9,365	7.28	$0	$9,365	$0	53.60
242242092	Al/Mg Deposit Procurement WC	19-Nov-13	14-Nov-14	49.00	$6,412	2.20	$51,595	$58,007	$0	47.20
242242095	Create Manufacturing Drawings FY13	03-Sep-13	30-Sep-13	4.00	$125	0.04	$0	$125	$0	49.80
242242095a	Create Manufacturing Drawings FY14	01-Oct-13	10-Oct-13	1.60	$50	0.02	$0	$50	$0	49.80
242242105	Al/Mg Deposit Procurement Prep FY13	03-Sep-13	30-Sep-13	4.00	$448	0.15	$0	$448	$0	44.00
242242105a	Al/Mg Deposit Procurement Prep FY14	01-Oct-13	08-Oct-13	1.20	$135	0.05	$0	$135	$0	44.00
242242107	Al/Mg Laxon/Acrylic Re-Coating Test Procurement Labor FY13	10-Sep-13	30-Sep-13	3.00	$583	0.20	$0	$583	$0	47.20
242242107a	Al/Mg Laxon/Acrylic Re-Coating Test Procurement Labor FY14	01-Oct-13	11-Nov-13	6.00	$1,166	0.40	$0	$1,166	$0	47.20
242242108	Lexan/Acrylic/Over- Coating Procurement (all sectors)	11-Nov-13	31-Oct-14	48.20	$3,206	1.10	$0	$5,206	$2,000	49.20
242242110	Al/Mg Deposit Procurement	11-Nov-13	26-Nov-14	51.80	$0	0.00	$51,595	$51,595	$0	44.00
242242115	Installation of Elliptical mirrors	21-Jan-14	10-Dec-14	45.40	$1,025	0.50	$0	$1,025	$0	44.00
242242137	Glue Procurement	05-Dec-13	31-Mar-14	14.80	$291	0.10	$0	$2,307	$2,016	79.40
242242145a	Complete Design Box Walls FY13	03-Sep-13	30-Sep-13	4.00	$162	0.06	$0	$162	$0	93.40
242242145aa	Complete Design Box Walls FY14	01-Oct-13	22-Oct-13	3.20	$130	0.04	$0	$130	$0	93.40
242242152	Window Procurement	03-Sep-13	31-Mar-14	27.80	$0	0.00	$2,800	$2,800	$0	37.00
242242152a	Window Procurement - Labor FY13	03-Sep-13	30-Sep-13	4.00	$335	0.11	$0	$335	$0	37.00
242242152b	Window Procurement -Labor FY14	01-Oct-13	31-Mar-14	23.80	$1,996	0.69	$0	$1,996	$0	37.00



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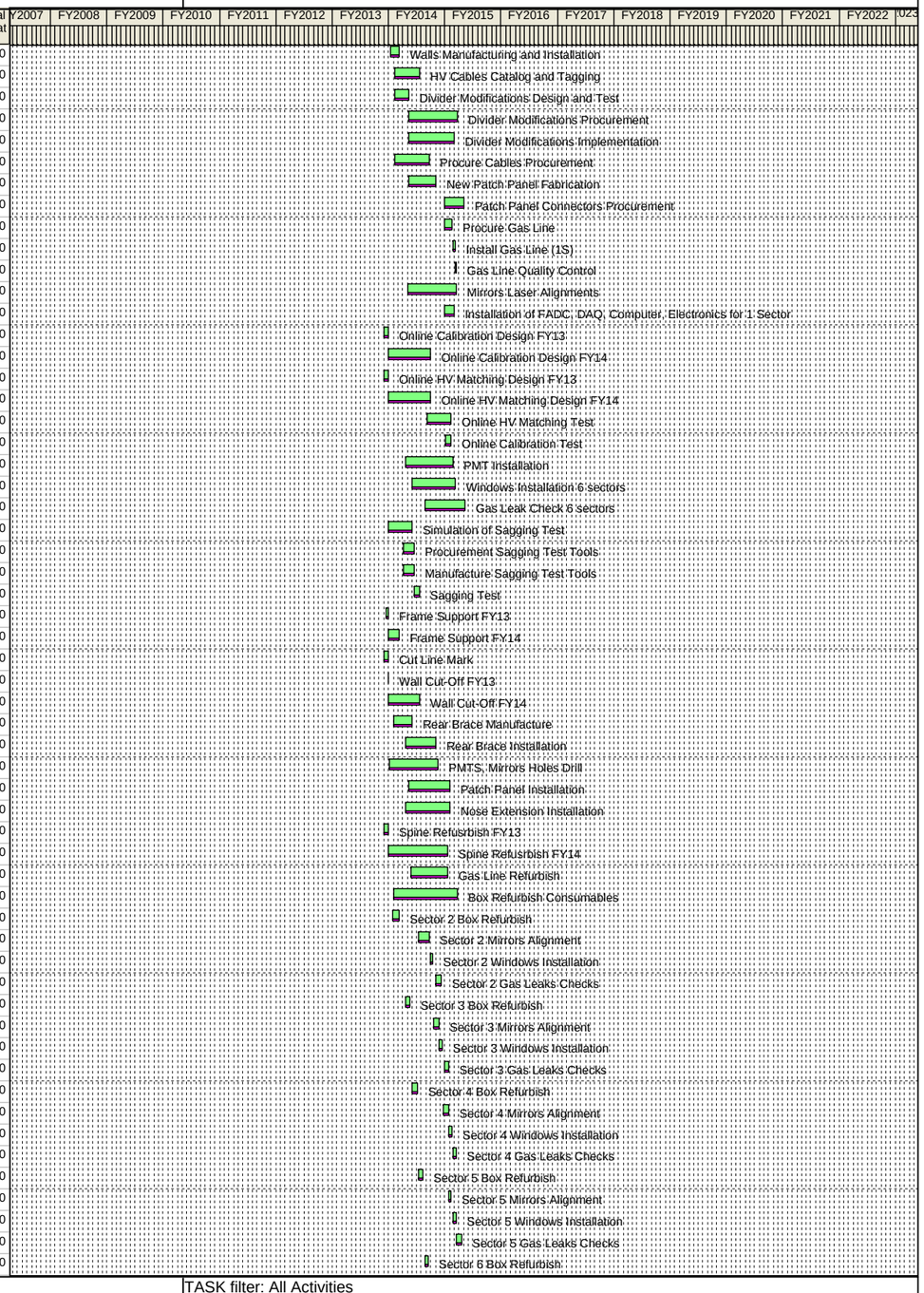
Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
242242155	Walls Manufacturing and Installation	15-Oct-13	10-Dec-13	7.80	$2,417	1.20	$0	$2,417	$0	93.40
242242161	HV Cables Catalog and Tagging	12-Nov-13	18-Apr-14	20.60	$734	0.40	$0	$734	$0	62.30
242242162	Divider Modifications Design and Test	12-Nov-13	11-Feb-14	11.00	$583	0.20	$0	$1,583	$1,000	45.20
242242163	Divider Modifications Procurement	12-Feb-14	23-Dec-14	44.00	$2,332	0.80	$3,500	$5,832	$0	45.20
242242164	Divider Modifications Implementation	12-Feb-14	02-Dec-14	41.00	$10,492	5.10	$0	$10,492	$0	45.20
242242165b	Procure Cables Procurement	12-Nov-13	24-Jun-14	29.80	$2,332	0.80	$21,160	$23,492	$0	67.40
242242169	New Patch Panel Fabrication	11-Feb-14	31-Jul-14	24.00	$2,935	1.60	$0	$2,935	$0	62.30
242242170	Patch Panel Connectors Procurement	01-Oct-14	30-Jan-15	15.40	$2,040	0.70	$12,155	$14,195	$0	38.40
242242185	Procure Gas Line	01-Oct-14	14-Nov-14	6.60	$583	0.20	$12,000	$12,583	$0	43.00
242242190	Install Gas Line (1S)	25-Nov-14	10-Dec-14	2.00	$917	0.50	$0	$917	$0	43.00
242242195	Gas Line Quality Control	11-Dec-14	17-Dec-14	1.00	$367	0.20	$0	$367	$0	43.00
242242205	Mirrors Laser Alignments	03-Feb-14	16-Dec-14	44.40	$18,034	13.60	$0	$18,034	$0	43.20
242242215	Installation of FADC, DAQ, Computer, Electronics for 1 Sector	01-Oct-14	01-Dec-14	8.40	$583	0.20	$0	$583	$0	45.40
242242220a	Online Calibration Design FY13	03-Sep-13	30-Sep-13	4.00	$289	0.10	$0	$289	$0	47.80
242242220aa	Online Calibration Design FY14	01-Oct-13	27-Jun-14	36.40	$2,626	0.90	$0	$2,626	$0	47.80
242242222	Online HV Matching Design FY13	03-Sep-13	30-Sep-13	4.00	$318	0.11	$0	$318	$0	47.80
242242222a	Online HV Matching Design FY14	01-Oct-13	27-Jun-14	36.40	$2,888	0.99	$0	$2,888	$0	47.80
242242223	Online HV Matching Test	09-Jun-14	11-Nov-14	22.00	$3,497	1.20	$0	$3,497	$0	47.80
242242225	Online Calibration Test	09-Oct-14	11-Nov-14	4.80	$1,166	0.40	$0	$1,166	$0	47.80
242242230	PMT Installation	21-Jan-14	26-Nov-14	43.80	$1,025	0.50	$0	$1,025	$0	49.60
242242235	Windows Installation 6 sectors	04-Mar-14	10-Dec-14	39.40	$9,172	5.00	$0	$9,172	$0	37.00
242242240	Gas Leak Check 6 sectors	23-May-14	10-Feb-15	34.80	$13,518	5.75	$0	$13,518	$0	37.00
242242245	Simulation of Sagging Test	01-Oct-13	04-Mar-14	20.00	$1,749	0.60	$0	$1,749	$0	76.60
242242255	Procurement Sagging Test Tools	03-Jan-14	18-Mar-14	10.40	$583	0.20	$0	$583	$0	76.60
242242260	Manufacture Sagging Test Tools	03-Jan-14	18-Mar-14	10.40	$1,834	1.00	$0	$1,834	$0	76.60
242242270	Sagging Test	19-Mar-14	18-Apr-14	4.60	$3,442	1.70	$0	$3,442	$0	76.60
242242280	Frame Support FY13	18-Sep-13	30-Sep-13	1.80	$120	0.07	$0	$120	$0	94.00
242242280a	Frame Support FY14	01-Oct-13	05-Dec-13	9.20	$614	0.33	$0	$614	$0	94.00
242242290	Cut Line Mark	03-Sep-13	30-Sep-13	4.00	$587	0.32	$0	$587	$0	76.40
242242295	Wall Cut-Off FY13	30-Sep-13	30-Sep-13	0.20	$6	0.00	$0	$6	$0	76.40
242242295a	Wall Cut-Off FY14	01-Oct-13	21-Apr-14	26.80	$728	0.40	$0	$728	$0	76.40
242242300	Rear Brace Manufacture	04-Nov-13	28-Feb-14	14.80	$734	0.40	$0	$1,234	$500	49.80
242242305	Rear Brace Installation	17-Jan-14	31-Jul-14	27.40	$1,468	0.80	$0	$1,468	$0	49.80
242242310	PMTS, Mirrors Holes Drill	08-Oct-13	19-Aug-14	42.60	$734	0.40	$0	$734	$0	49.80
242242315	Patch Panel Installation	11-Feb-14	30-Oct-14	37.00	$658	0.30	$0	$658	$0	51.00
242242320	Nose Extension Installation	21-Jan-14	30-Oct-14	40.00	$367	0.20	$0	$367	$0	51.00
242242325	Spine Refusrbish FY13	03-Sep-13	30-Sep-13	4.00	$65	0.04	$0	$65	$0	51.00
242242325a	Spine Refusrbish FY14	01-Oct-13	20-Oct-14	52.20	$852	0.46	$0	$852	$0	51.00
242242330	Gas Line Refurbish	27-Feb-14	20-Oct-14	33.00	$1,209	0.60	$0	$1,209	$0	51.00
242242335	Box Refurbish Consumables	01-Nov-13	22-Dec-14	56.20	$0	0.00	$0	$18,000	$18,000	42.40
242242340	Sector 2 Box Refurbish	30-Oct-13	10-Dec-13	5.60	$14,675	8.00	$0	$14,675	$0	37.00
242242350	Sector 2 Mirrors Alignment	15-Apr-14	24-Jun-14	10.00	$3,669	2.00	$0	$3,669	$0	37.00
242242355	Sector 2 Windows Installation	30-Jun-14	15-Jul-14	2.20	$1,834	1.00	$0	$1,834	$0	37.00
242242360	Sector 2 Gas Leaks Checks	04-Aug-14	09-Sep-14	5.20	$2,201	1.20	$0	$2,201	$0	58.60
242242365	Sector 3 Box Refurbish	21-Jan-14	18-Feb-14	4.20	$13,208	7.20	$0	$13,208	$0	58.60
242242375	Sector 3 Mirrors Alignment	22-Jul-14	26-Aug-14	5.20	$3,669	2.00	$0	$3,669	$0	37.00
242242380	Sector 3 Windows Installation	27-Aug-14	16-Sep-14	2.80	$1,834	1.00	$0	$1,834	$0	37.00
242242385	Sector 3 Gas Leaks Checks	30-Sep-14	29-Oct-14	4.40	$1,834	1.00	$0	$1,834	$0	60.20
242242390	Sector 4 Box Refurbish	03-Mar-14	08-Apr-14	5.40	$13,208	7.20	$0	$13,208	$0	60.20
242242400	Sector 4 Mirrors Alignment	23-Sep-14	28-Oct-14	5.20	$3,669	2.00	$0	$3,669	$0	37.00
242242405	Sector 4 Windows Installation	29-Oct-14	18-Nov-14	3.00	$1,834	1.00	$0	$1,834	$0	60.40
242242410	Sector 4 Gas Leaks Checks	26-Nov-14	16-Dec-14	2.60	$1,834	1.00	$0	$1,834	$0	60.40
242242415	Sector 5 Box Refurbish	14-Apr-14	13-May-14	4.40	$11,740	6.40	$0	$11,740	$0	60.40
242242425	Sector 5 Mirrors Alignment	29-Oct-14	11-Nov-14	2.00	$3,669	2.00	$0	$3,669	$0	37.00
242242430	Sector 5 Windows Installation	26-Nov-14	16-Dec-14	2.60	$1,834	1.00	$0	$1,834	$0	60.00
242242435	Sector 5 Gas Leaks Checks	17-Dec-14	20-Jan-15	3.20	$1,834	1.00	$0	$1,834	$0	60.00
242242440	Sector 6 Box Refurbish	27-May-14	17-Jun-14	3.20	$11,740	6.40	$0	$11,740	$0	60.00



Primary Baseline
Actual Work
Remaining Work
Critical Remaining Work
Baseline Milestone
Milestone

TASK filter: All Activities

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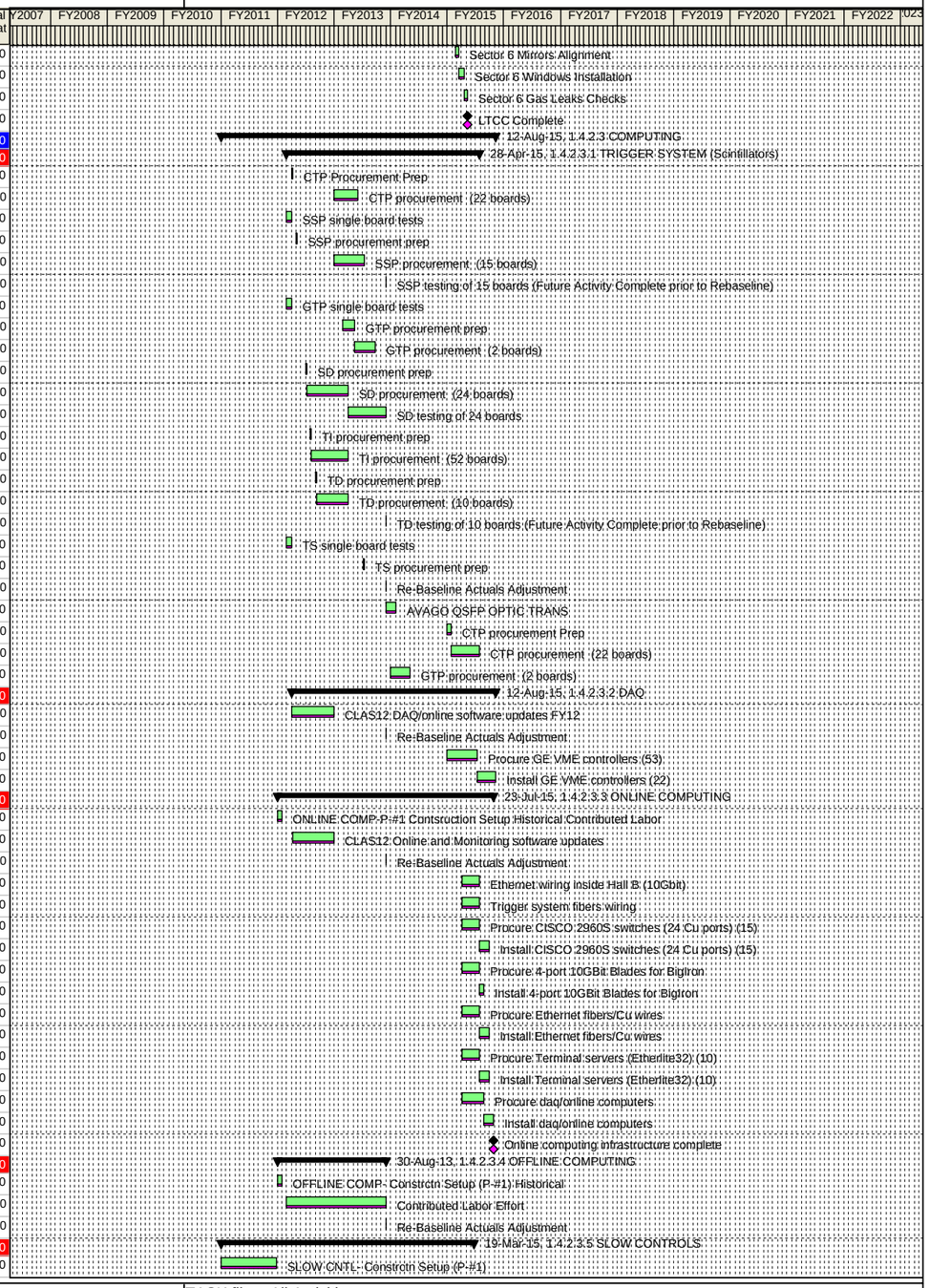
Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
242242450	Sector 6 Mirrors Alignment	26-Nov-14	16-Dec-14	2.60	$3,669	2.00	$0	$3,669	$0	37.00
242242455	Sector 6 Windows Installation	17-Dec-14	20-Jan-15	3.20	$1,834	1.00	$0	$1,834	$0	37.00
242242460	Sector 6 Gas Leaks Checks	20-Jan-15	10-Feb-15	3.20	$1,834	1.00	$0	$1,834	$0	37.00
242242500M	LTCC Complete		10-Feb-15	0.00	$0	0.00	$0	$0	$0	37.00
1.4.2.3 COMPUTING		01-Oct-10	12-Aug-15	240.80	$644,860	553.72	$839,858	$1,484,718	$0	18.40
1.4.2.3.1 TRIGGER SYSTEM (Scintillators)		01-Dec-11	28-Apr-15	168.40	$46,694	16.36	$544,656	$591,350	$0	33.00
14231005	CTP Procurement Prep	03-Jan-12	09-Jan-12	1.00	$2,824	1.00	$0	$2,824	$0	40.80
14231007	CTP procurement (22 boards)	01-Oct-12	28-Feb-13	19.80	$0	0.00	$140,411	$140,411	$0	4.00
14231015	SSP single board tests	01-Dec-11	30-Dec-11	3.40	$5,649	2.00	$0	$5,649	$0	36.60
14231020	SSP procurement prep	01-Feb-12	08-Feb-12	1.20	$2,824	1.00	$0	$2,824	$0	36.60
14231025	SSP procurement (15 boards)	01-Oct-12	12-Apr-13	26.00	$0	0.00	$134,663	$134,663	$0	4.00
14231030	SSP testing of 15 boards (Future Activity Complete prior to Rebaseline)	30-Aug-13	30-Aug-13	0.20	$0	0.00	$0	$0	$0	4.00
14231035	GTP single board tests	01-Dec-11	30-Dec-11	3.40	$5,649	2.00	$0	$5,649	$0	41.80
14231040	GTP procurement prep	28-Nov-12	08-Feb-13	9.20	$2,914	1.00	$0	$2,914	$0	4.00
14231045	GTP procurement (2 boards)	11-Feb-13	21-Jun-13	18.60	$0	0.00	$13,415	$13,415	$0	4.00
14231055	SD procurement prep	02-Apr-12	09-Apr-12	1.20	$2,824	1.00	$0	$2,824	$0	4.00
14231060	SD procurement (24 boards)	10-Apr-12	31-Dec-12	36.00	$0	0.00	$18,240	$18,240	$0	4.00
14231065	SD testing of 24 boards	02-Jan-13	30-Aug-13	33.80	$3,972	1.36	$0	$3,972	$0	4.00
14231070	TI procurement prep	01-May-12	08-May-12	1.20	$2,824	1.00	$0	$2,824	$0	4.00
14231075	TI procurement (52 boards)	09-May-12	31-Dec-12	31.80	$0	0.00	$109,980	$109,980	$0	4.00
14231085	TD procurement prep	01-Jun-12	11-Jun-12	1.20	$2,824	1.00	$0	$2,824	$0	4.00
14231090	TD procurement (10 boards)	12-Jun-12	31-Dec-12	27.40	$0	0.00	$58,150	$58,150	$0	4.00
14231095	TD testing of 10 boards (Future Activity Complete prior to Rebaseline)	30-Aug-13	30-Aug-13	0.20	$0	0.00	$0	$0	$0	4.00
14231100	TS single board tests	01-Dec-11	30-Dec-11	3.40	$5,649	2.00	$0	$5,649	$0	61.20
14231105	TS procurement prep	08-Apr-13	15-Apr-13	1.20	$2,914	1.00	$0	$2,914	$0	23.40
14231125	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($99,221)	($99,221)	$0	4.00
24231000	AVAGO QSFP OPTIC TRANS	03-Sep-13	31-Oct-13	8.60	$0	0.00	$1,018	$1,018	$0	105.60
24231005	CTP procurement Prep	01-Oct-14	28-Oct-14	4.00	$5,825	2.00	$0	$5,825	$0	8.20
24231007	CTP procurement (22 boards)	29-Oct-14	28-Apr-15	23.80	$0	0.00	$154,000	$154,000	$0	8.20
24231045	GTP procurement (2 boards)	01-Oct-13	31-Jan-14	15.60	$0	0.00	$14,000	$14,000	$0	70.20
1.4.2.3.2 DAQ		03-Jan-12	12-Aug-15	179.60	$82,680	61.35	$168,127	$250,807	$0	18.40
14232010	CLAS12 DAQ/online software updates FY12	03-Jan-12	28-Sep-12	37.80	$59,365	53.35	$0	$59,365	$0	4.00
14232030	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($43,873)	($43,873)	$0	4.00
24232022	Procure GE VME controllers (53)	01-Oct-14	09-Apr-15	25.20	$0	0.00	$212,000	$212,000	$0	18.40
24232025	Install GE VME controllers (22)	10-Apr-15	12-Aug-15	17.20	$23,315	8.00	$0	$23,315	$0	18.40
1.4.2.3.3 ONLINE COMPUTING		03-Oct-11	23-Jul-15	188.40	$122,799	43.34	$254,867	$377,666	$0	21.20
14233005	ONLINE COMP-P-#1 Contsruction Setup Historical Contributed Labor	03-Oct-11	31-Oct-11	4.20	$0	0.34	$0	$0	$0	94.80
14233007	CLAS12 Online and Monitoring software updates	06-Jan-12	28-Sep-12	37.20	$79,083	28.00	$0	$79,083	$0	49.60
14233075	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($75,133)	($75,133)	$0	4.00
24233010	Ethernet wiring inside Hall B (10Gbit)	07-Jan-15	27-Apr-15	15.60	$0	0.00	$42,000	$42,000	$0	33.20
24233015	Trigger system fibers wiring	07-Jan-15	27-Apr-15	15.60	$0	0.00	$53,000	$53,000	$0	33.20
24233020	Procure CISCO 2960S switches (24 Cu ports) (15)	07-Jan-15	27-Apr-15	15.60	$0	0.00	$66,000	$66,000	$0	25.00
24233025	Install CISCO 2960S switches (24 Cu ports) (15)	28-Apr-15	25-Jun-15	8.20	$11,658	4.00	$0	$11,658	$0	25.00
24233030	Procure 4-port 10GBit Blades for BigIron	07-Jan-15	27-Apr-15	15.60	$0	0.00	$50,000	$50,000	$0	29.20
24233035	Install 4-port 10GBit Blades for BigIron	28-Apr-15	26-May-15	4.00	$2,914	1.00	$0	$2,914	$0	29.20
24233040	Procure Ethernet fibers/Cu wires	07-Jan-15	27-Apr-15	15.60	$0	0.00	$21,000	$21,000	$0	25.00
24233045	Install Ethernet fibers/Cu wires	28-Apr-15	25-Jun-15	8.20	$5,829	2.00	$0	$5,829	$0	25.00
24233050	Procure Terminal servers (Etherlite32) (10)	07-Jan-15	27-Apr-15	15.60	$0	0.00	$15,000	$15,000	$0	25.00
24233055	Install Terminal servers (Etherlite32) (10)	28-Apr-15	25-Jun-15	8.20	$2,914	1.00	$0	$2,914	$0	25.00
24233060	Procure daq/online computers	07-Jan-15	26-May-15	19.60	$0	0.00	$83,000	$83,000	$0	21.20
24233065	Install daq/online computers	27-May-15	23-Jul-15	8.00	$20,401	7.00	$0	$20,401	$0	21.20
24233070M	Online computing infrastructure complete		23-Jul-15	0.00	$0	0.00	$0	$0	$0	21.20
1.4.2.3.4 OFFLINE COMPUTING		03-Oct-11	30-Aug-13	95.00	$3,591	170.86	($3,591)	$0	$0	114.60
14234005	OFFLINE COMP- Constrctn Setup (P-#1) Historical	03-Oct-11	31-Oct-11	4.20	$3,591	10.11	$0	$3,591	$0	205.40
14234020LOE	Contributed Labor Effort	01-Dec-11	30-Aug-13	86.80	$0	160.74	$0	$0	$0	4.00
14234025	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($3,591)	($3,591)	$0	4.00
1.4.2.3.5 SLOW CONTROLS		01-Oct-10	19-Mar-15	220.60	$389,095	261.81	($124,201)	$264,895	$0	38.60
14235005	SLOW CNTL- Constrctn Setup (P-#1)	01-Oct-10	27-Sep-11	49.00	$57,800	40.00	$0	$57,800	$0	114.60



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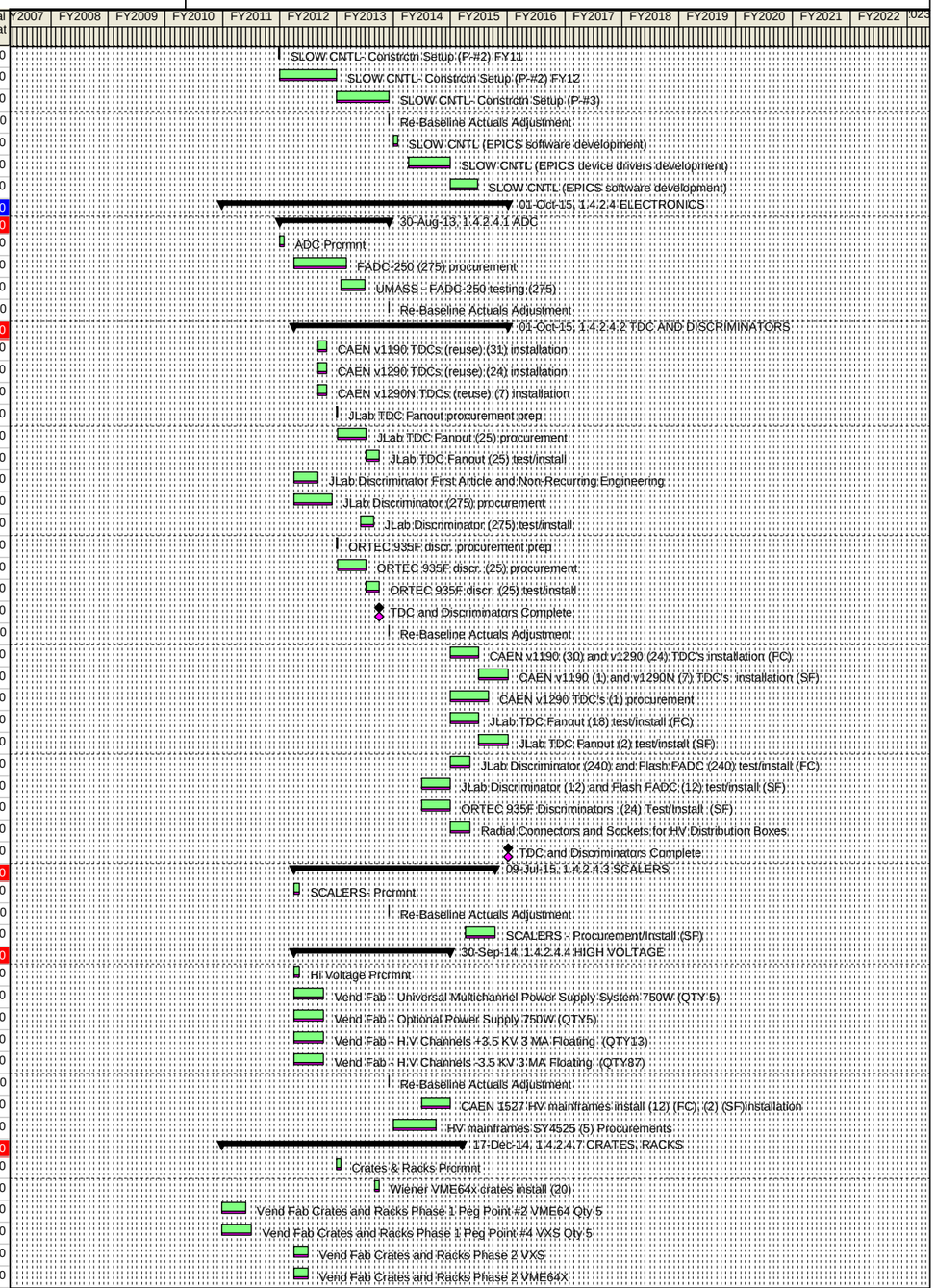
Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
14235010	SLOW CNTL- Constrctn Setup (P-#2) FY11	28-Sep-11	30-Sep-11	0.60	$821	0.58	$0	$821	$0	114.60
14235010a	SLOW CNTL- Constrctn Setup (P-#2) FY12	03-Oct-11	28-Sep-12	49.40	$68,313	46.42	$0	$68,313	$0	114.60
14235015	SLOW CNTL- Constrctn Setup (P-#3)	01-Oct-12	30-Aug-13	45.60	$63,704	42.81	$0	$63,704	$0	114.60
14235020	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($133,301)	($133,301)	$0	4.00
24235005	SLOW CNTL (EPICS software development)	01-Oct-13	28-Oct-13	4.00	$0	0.00	$9,100	$9,100	$0	46.40
24235010a	SLOW CNTL (EPICS device drivers development)	06-Jan-14	01-Oct-14	37.80	$64,117	22.00	$0	$64,117	$0	38.60
24235015	SLOW CNTL (EPICS software development)	02-Oct-14	19-Mar-15	22.00	$134,341	110.00	$0	$134,341	$0	38.60
1.4.2.4 ELECTRONICS		30-Sep-10	01-Oct-15	248.00	$49,307	28.40	$3,104,972	$3,271,458	$117,180	11.40
1.4.2.4.1 ADC		03-Oct-11	30-Aug-13	95.00	$9,885	5.00	$1,182,332	$1,192,218	$0	114.60
14241005	ADC Prcrmnt	03-Oct-11	28-Oct-11	4.00	$9,885	5.00	$0	$9,885	$0	139.80
14241010	FADC-250 (275) procurement	04-Jan-12	30-Nov-12	46.20	$0	0.00	$1,136,337	$1,136,337	$0	136.20
14241015	UMASS - FADC-250 testing (275)	31-Oct-12	29-Mar-13	19.60	$0	0.00	$3,523	$3,523	$0	136.20
14241020	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$42,472	$42,472	$0	4.00
1.4.2.4.2 TDC AND DISCRIMINATORS		04-Jan-12	01-Oct-15	186.40	$16,875	12.60	$526,632	$622,887	$79,380	11.40
14242005	CAEN v1190 TDCs (reuse) (31) installation	01-Jun-12	31-Jul-12	8.40	$565	0.20	$0	$565	$0	168.60
14242010	CAEN v1290 TDCs (reuse) (24) installation	01-Jun-12	31-Jul-12	8.40	$565	0.20	$0	$565	$0	168.60
14242015	CAEN v1290N TDCs (reuse) (7) installation	01-Jun-12	31-Jul-12	8.40	$565	0.20	$0	$565	$0	168.60
14242020	JLab TDC Fanout procurement prep	01-Oct-12	09-Oct-12	1.40	$2,914	1.00	$0	$2,914	$0	123.00
14242025	JLab TDC Fanout (25) procurement	10-Oct-12	09-Apr-13	24.00	$0	0.00	$51,595	$51,595	$0	123.00
14242030	JLab TDC Fanout (25) test/install	10-Apr-13	02-Jul-13	11.80	$2,914	1.00	$0	$2,914	$0	123.00
14242033	JLab Discriminator First Article and Non-Recurring Engineering	04-Jan-12	31-May-12	20.80	$0	0.00	$26,138	$26,138	$0	128.20
14242035	JLab Discriminator (275) procurement	04-Jan-12	31-Aug-12	33.80	$0	0.00	$390,403	$390,403	$0	128.20
14242040	JLab Discriminator (275) test/install	05-Mar-13	24-May-13	11.80	$3,523	8.00	$0	$3,523	$0	128.20
14242045	ORTEC 935F discr. procurement prep	01-Oct-12	09-Oct-12	1.40	$2,914	1.00	$0	$2,914	$0	123.00
14242050	ORTEC 935F discr. (25) procurement	10-Oct-12	09-Apr-13	24.00	$0	0.00	$87,815	$87,815	$0	123.00
14242055	ORTEC 935F discr. (25) test/install	10-Apr-13	02-Jul-13	11.80	$2,914	1.00	$0	$2,914	$0	123.00
14242060M	TDC and Discriminators Complete		02-Jul-13	0.00	$0	0.00	$0	$0	$0	123.00
14242065	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($55,558)	($55,558)	$0	4.00
24242005	CAEN v1190 (30) and v1290 (24) TDC's installation (FC)	01-Oct-14	31-Mar-15	23.80	$0	0.00	$0	$25,200	$25,200	11.40
24242005a	CAEN v1190 (1) and v1290N (7) TDC's installation (SF)	01-Apr-15	01-Oct-15	25.60	$0	0.00	$0	$5,400	$5,400	11.40
24242010	CAEN v1290 TDC's (1) procurement	01-Oct-14	29-May-15	32.20	$0	0.00	$10,000	$10,000	$0	28.60
24242030	JLab TDC Fanout (18) test/install (FC)	01-Oct-14	31-Mar-15	23.80	$0	0.00	$0	$1,800	$1,800	11.40
24242030a	JLab TDC Fanout (2) test/install (SF)	01-Apr-15	01-Oct-15	25.60	$0	0.00	$0	$1,800	$1,800	11.40
24242040	JLab Discriminator (240) and Flash FADC (240) test/install (FC)	01-Oct-14	30-Jan-15	15.40	$0	0.00	$0	$30,780	$30,780	45.40
24242040a	JLab Discriminator (12) and Flash FADC (12) test/install (SF)	01-Apr-14	30-Sep-14	25.60	$0	0.00	$0	$3,600	$3,600	60.80
24242055	ORTEC 935F Discriminators (24) Test/Install (SF)	01-Apr-14	30-Sep-14	25.60	$0	0.00	$0	$10,800	$10,800	60.80
24242057	Radial Connectors and Sockets for HV Distribution Boxes	01-Oct-14	30-Jan-15	15.40	$0	0.00	$16,240	$16,240	$0	33.40
24242060M	TDC and Discriminators Complete		01-Oct-15	0.00	$0	0.00	$0	$0	$0	11.40
1.4.2.4.3 SCALERS		05-Jan-12	09-Jul-15	174.40	$6,355	3.00	$59,645	$66,000	$0	23.20
14243005	SCALERS- Prcrmnt	05-Jan-12	02-Feb-12	4.00	$6,355	3.00	$0	$6,355	$0	83.00
14243015	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($6,355)	($6,355)	$0	4.00
24243010	SCALERS - Procurement/Install (SF)	07-Jan-15	09-Jul-15	25.60	$0	0.00	$66,000	$66,000	$0	23.20
1.4.2.4.4 HIGH VOLTAGE		05-Jan-12	30-Sep-14	136.60	$6,355	3.00	$725,160	$744,115	$12,600	61.00
14244005	Hi Voltage Prcrmnt	05-Jan-12	02-Feb-12	4.00	$6,355	3.00	$0	$6,355	$0	171.60
14244010	Vend Fab - Universal Multichannel Power Supply System 750W (QTY 5)	05-Jan-12	10-Jul-12	26.00	$0	0.00	$43,511	$43,511	$0	171.60
14244015	Vend Fab - Optional Power Supply 750W (QTY5)	05-Jan-12	10-Jul-12	26.00	$0	0.00	$6,843	$6,843	$0	171.60
14244020	Vend Fab - H.V Channels +3.5 KV 3 MA Floating (QTY13)	05-Jan-12	10-Jul-12	26.00	$0	0.00	$88,992	$88,992	$0	171.60
14244025	Vend Fab - H.V Channels -3.5 KV 3 MA Floating (QTY87)	05-Jan-12	10-Jul-12	26.00	$0	0.00	$562,473	$562,473	$0	171.60
14244040	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($26,658)	($26,658)	$0	4.00
24244030	CAEN 1527 HV mainframes install (12) (FC), (2) (SF)installation	01-Apr-14	30-Sep-14	25.60	$0	0.00	$0	$12,600	$12,600	60.80
24244035	HV mainframes SY4525 (5) Procurements	01-Oct-13	01-Jul-14	36.80	$0	0.00	$50,000	$50,000	$0	73.40
1.4.2.4.7 CRATES, RACKS		30-Sep-10	17-Dec-14	209.20	$9,836	4.80	$611,202	$646,239	$25,200	50.20
14247005	Crates & Racks Prcrmnt	01-Oct-12	31-Oct-12	4.60	$6,558	3.00	$0	$6,558	$0	45.00
14247006	Wiener VME64x crates install (20)	31-May-13	27-Jun-13	4.00	$1,822	1.00	$0	$1,822	$0	13.00
14247008	Vend Fab Crates and Racks Phase 1 Peg Point #2 VME64 Qty 5	30-Sep-10	28-Feb-11	19.60	$0	0.00	$36,160	$36,160	$0	223.20
14247009	Vend Fab Crates and Racks Phase 1 Peg Point #4 VXS Qty 5	30-Sep-10	31-Mar-11	24.20	$0	0.00	$54,340	$54,340	$0	223.20
14247010	Vend Fab Crates and Racks Phase 2 VXS	05-Jan-12	30-Mar-12	12.00	$0	0.00	$198,417	$198,417	$0	185.60
14247015	Vend Fab Crates and Racks Phase 2 VME64X	05-Jan-12	30-Mar-12	12.00	$0	0.00	$104,355	$104,355	$0	185.60



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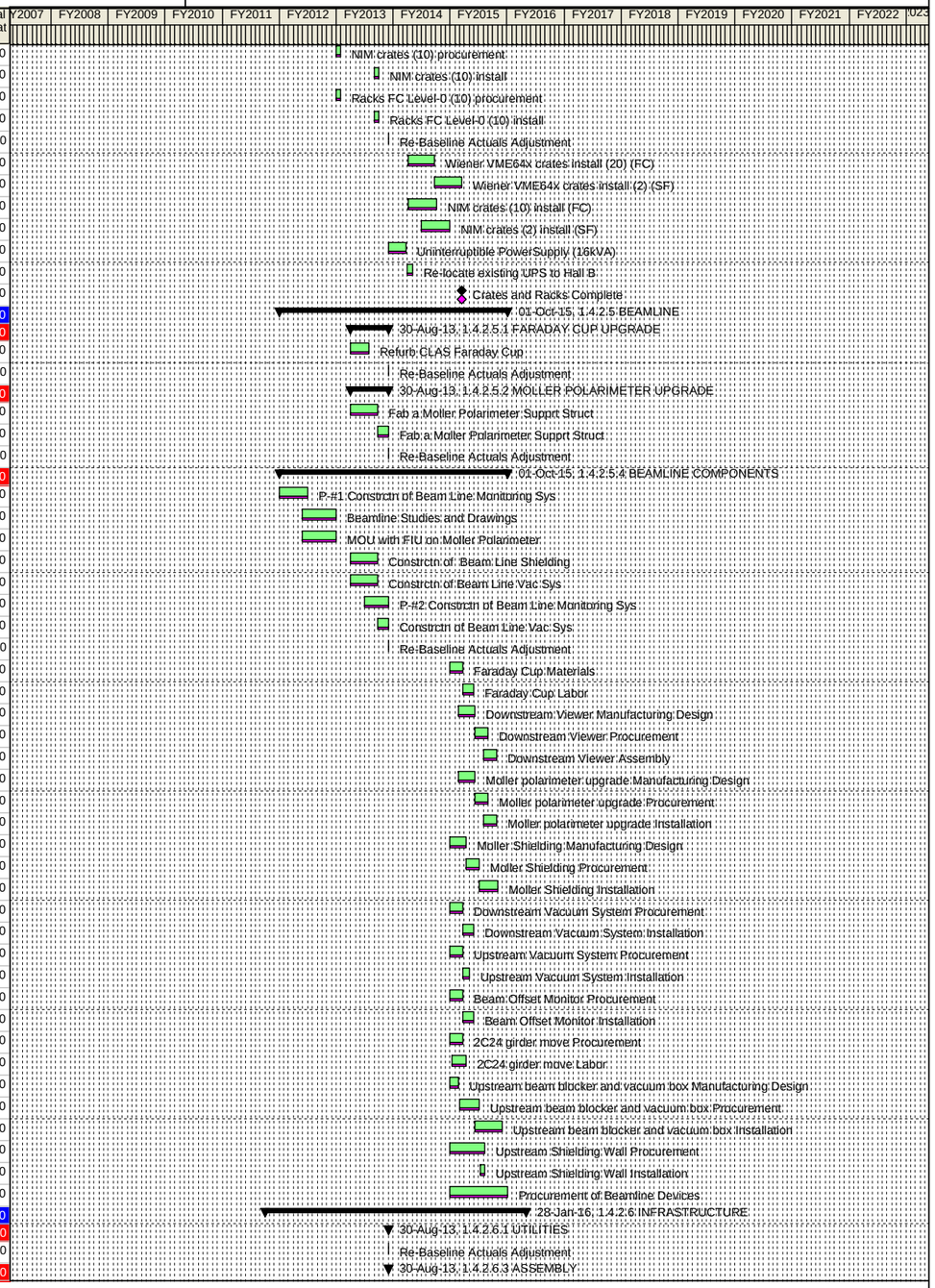
Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
14247020	NIM crates (10) procurement	01-Oct-12	31-Oct-12	4.60	$0	0.00	$72,233	$72,233	$0	12.40
14247025	NIM crates (10) install	05-Jun-13	02-Jul-13	4.00	$729	0.40	$0	$729	$0	12.40
14247030	Racks FC Level-0 (10) procurement	01-Oct-12	31-Oct-12	4.60	$0	0.00	$72,233	$72,233	$0	12.40
14247035	Racks FC Level-0 (10) install	05-Jun-13	02-Jul-13	4.00	$729	0.40	$0	$729	$0	12.40
14247065	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$61,081	$61,081	$0	4.00
24247005	Wiener VME64x crates install (20) (FC)	07-Jan-14	24-Jun-14	23.80	$0	0.00	$0	$10,800	$10,800	50.00
24247005a	Wiener VME64x crates install (2) (SF)	25-Jun-14	17-Dec-14	24.40	$0	0.00	$0	$1,800	$1,800	50.00
24247025	NIM crates (10) install (FC)	07-Jan-14	08-Jul-14	25.50	$0	0.00	$0	$7,200	$7,200	72.70
24247030	NIM crates (2) install (SF)	01-Apr-14	30-Sep-14	25.50	$0	0.00	$0	$1,800	$1,800	60.90
24247040	Uninterruptible PowerSupply (16kVA)	03-Sep-13	20-Dec-13	15.40	$0	0.00	$12,383	$12,383	$0	94.80
24247045	Re-locate existing UPS to Hall B	02-Jan-14	30-Jan-14	4.00	$0	0.00	$0	$3,600	$3,600	94.80
24247060M	Crates and Racks Complete		17-Dec-14	0.00	$0	0.00	$0	$0	$0	50.00
1.4.2.5 BEAMLINE		03-Oct-11	01-Oct-15	198.20	$348,434	196.31	($5,129)	$456,446	$113,142	30.20
1.4.2.5.1 FARADAY CUP UPGRADE		03-Jan-13	30-Aug-13	33.60	$54,059	23.00	($105,190)	$0	$51,130	114.60
14251005	Refurb CLAS Faraday Cup	03-Jan-13	26-Apr-13	16.00	$54,059	23.00	$0	$105,190	$51,130	132.20
14251010	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($105,190)	($105,190)	$0	4.00
1.4.2.5.2 MOLLER POLARIMETER UPGRADE		03-Jan-13	30-Aug-13	33.60	$23,816	43.40	($41,520)	$0	$17,704	114.60
14252005	Fab a Moller Polarimeter Supprt Struct	03-Jan-13	24-Jun-13	24.00	$17,011	31.00	$0	$29,471	$12,460	114.60
14252010	Fab a Moller Polarimeter Supprt Struct	25-Jun-13	30-Aug-13	9.60	$6,804	12.40	$0	$12,049	$5,245	114.60
14252015	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($41,520)	($41,520)	$0	4.00
1.4.2.5.4 BEAMLINE COMPONENTS		03-Oct-11	01-Oct-15	198.20	$270,559	129.91	$141,581	$456,446	$44,307	30.20
14254005	P-#1 Constrctn of Beam Line Monitoring Sys	03-Oct-11	30-Mar-12	24.00	$5,649	2.00	$0	$5,649	$0	164.00
14254007	Beamline Studies and Drawings	01-Mar-12	28-Sep-12	29.80	$41,666	16.50	$0	$41,666	$0	160.20
14254008	MOU with FIU on Moller Polarimeter	01-Mar-12	28-Sep-12	29.80	$41,666	16.50	$0	$41,666	$0	160.20
14254010	Constrctn of Beam Line Shielding	03-Jan-13	24-Jun-13	24.00	$0	0.00	$32,767	$56,913	$24,147	124.20
14254015	Constrctn of Beam Line Vac Sys	03-Jan-13	24-Jun-13	24.00	$30,076	20.15	$31,149	$79,385	$18,160	114.60
14254020	P-#2 Constrctn of Beam Line Monitoring Sys	01-Apr-13	30-Aug-13	21.60	$10,492	3.60	$0	$10,492	$0	114.60
14254025	Constrctn of Beam Line Vac Sys	25-Jun-13	30-Aug-13	9.60	$10,565	7.15	$0	$10,565	$0	114.60
14254030	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($246,335)	($246,335)	$0	4.00
24254000	Faraday Cup Materials	01-Oct-14	22-Dec-14	11.40	$0	0.00	$0	$2,000	$2,000	41.40
24254005	Faraday Cup Labor	23-Dec-14	27-Feb-15	8.00	$6,556	3.00	$0	$6,556	$0	41.40
24254010	Downstream Viewer Manufacturing Design	26-Nov-14	05-Mar-15	12.20	$1,988	1.00	$0	$1,988	$0	20.60
24254015	Downstream Viewer Procurement	06-Mar-15	29-May-15	12.00	$0	0.00	$10,000	$10,000	$0	20.60
24254020	Downstream Viewer Assembly	06-May-15	28-Jul-15	11.40	$1,834	1.00	$0	$1,834	$0	20.60
24254025	Moller polarimeter upgrade Manufacturing Design	26-Nov-14	05-Mar-15	12.20	$10,848	5.00	$0	$10,848	$0	20.60
24254030	Moller polarimeter upgrade Procurement	06-Mar-15	29-May-15	12.00	$0	0.00	$60,000	$60,000	$0	20.60
24254035	Moller polarimeter upgrade Installation	06-May-15	28-Jul-15	11.40	$15,633	8.00	$0	$15,633	$0	20.60
24254040	Moller Shielding Manufacturing Design	01-Oct-14	12-Jan-15	12.80	$10,848	5.00	$0	$10,848	$0	19.60
24254045	Moller Shielding Procurement	13-Jan-15	03-Apr-15	11.60	$0	0.00	$50,000	$50,000	$0	19.60
24254050	Moller Shielding Installation	06-Apr-15	04-Aug-15	16.80	$14,675	8.00	$0	$14,675	$0	19.60
24254055	Downstream Vacuum System Procurement	01-Oct-14	22-Dec-14	11.40	$0	0.00	$30,000	$30,000	$0	41.20
24254060	Downstream Vacuum System Installation	23-Dec-14	02-Mar-15	8.20	$7,338	4.00	$0	$7,338	$0	41.20
24254065	Upstream Vacuum System Procurement	01-Oct-14	22-Dec-14	11.40	$0	0.00	$30,000	$30,000	$0	45.40
24254070	Upstream Vacuum System Installation	23-Dec-14	30-Jan-15	4.00	$3,823	2.00	$0	$3,823	$0	45.40
24254075	Beam Offset Monitor Procurement	01-Oct-14	22-Dec-14	11.40	$0	0.00	$8,000	$8,000	$0	41.40
24254080	Beam Offset Monitor Installation	23-Dec-14	27-Feb-15	8.00	$9,648	4.00	$0	$9,648	$0	41.40
24254085	2C24 girder move Procurement	01-Oct-14	22-Dec-14	11.40	$0	0.00	$10,000	$10,000	$0	47.60
24254090	2C24 girder move Labor	10-Oct-14	14-Jan-15	11.80	$16,510	9.00	$0	$16,510	$0	47.60
24254095	Upstream beam blocker and vacuum box Manufacturing Design	01-Oct-14	26-Nov-14	8.20	$10,848	5.00	$0	$10,848	$0	15.80
24254100	Upstream beam blocker and vacuum box Procurement	01-Dec-14	08-Apr-15	16.80	$0	0.00	$50,000	$50,000	$0	15.80
24254105	Upstream beam blocker and vacuum box Installation	12-Mar-15	31-Aug-15	24.00	$10,250	5.00	$0	$10,250	$0	15.80
24254110	Upstream Shielding Wall Procurement	01-Oct-14	07-May-15	29.20	$0	0.00	$56,000	$56,000	$0	31.60
24254115	Upstream Shielding Wall Installation	10-Apr-15	07-May-15	4.00	$9,648	4.00	$0	$9,648	$0	31.60
24254120	Procurement of Beamline Devices	01-Oct-14	01-Oct-15	49.40	$0	0.00	$20,000	$20,000	$0	30.40
1.4.2.6 INFRASTRUCTURE		01-Jul-11	28-Jan-16	226.00	$2,611,115	1118.80	$755,905	$3,618,953	$251,933	83.80
1.4.2.6.1 UTILITIES		30-Aug-13	30-Aug-13	0.20	$0	0.00	$8,813	$8,813	$0	4.00
14261000	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$8,813	$8,813	$0	4.00
1.4.2.6.3 ASSEMBLY		30-Aug-13	30-Aug-13	0.20	$0	0.00	$41	$41	$0	4.00



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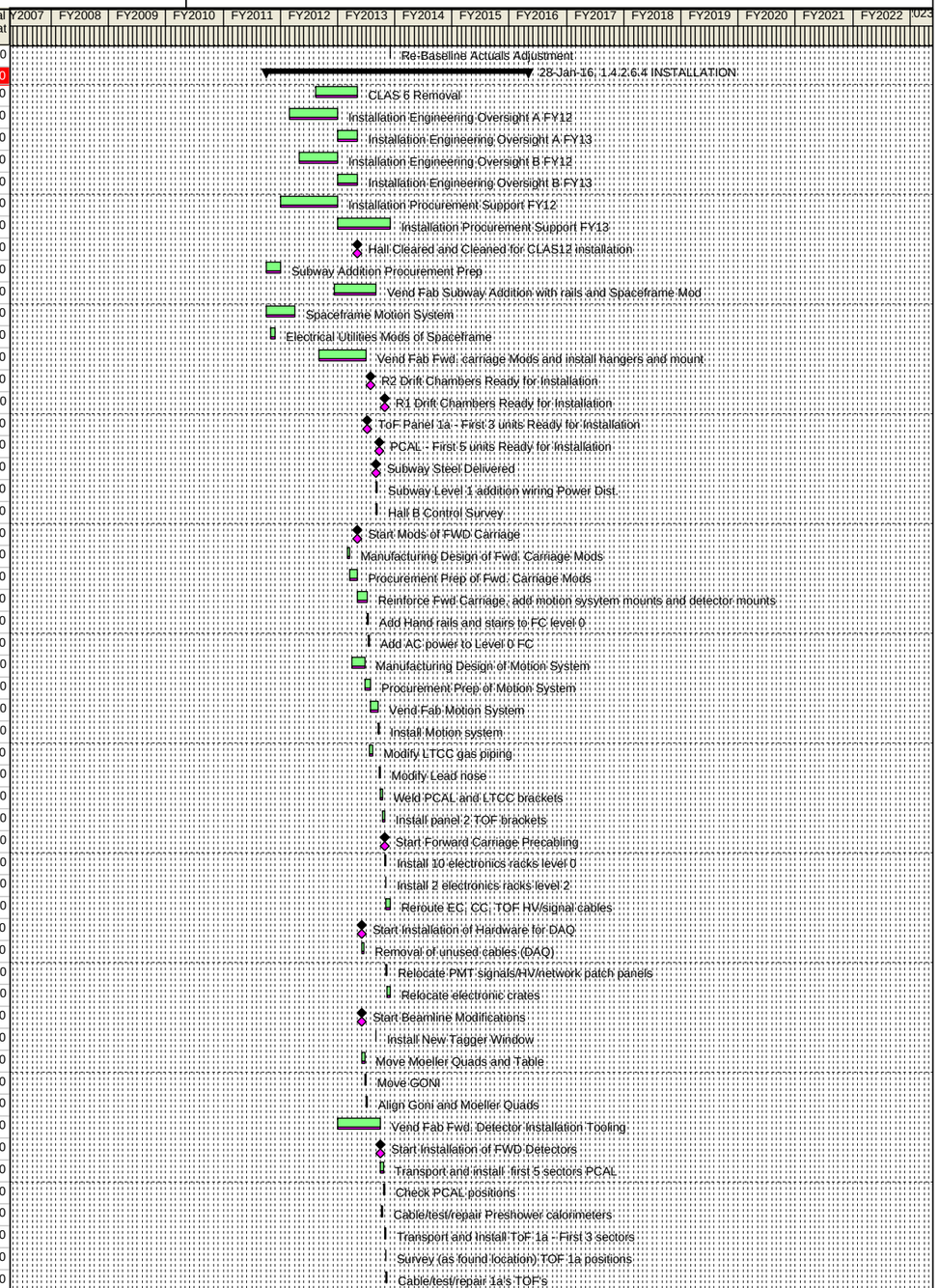
Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
14263000	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$41	$41	$0	4.00
1.4.2.6.4 INSTALLATION		01-Jul-11	28-Jan-16	226.00	$2,611,115	1118.80	$747,051	$3,610,099	$251,933	83.80
14264000	CLAS 6 Removal	14-May-12	06-Feb-13	36.20	$0	0.00	$0	$0	$0	13.00
14264000aLC	Installation Engineering Oversight A FY12	01-Dec-11	28-Sep-12	41.20	$106,582	38.00	$0	$106,582	$0	231.60
14264000bLC	Installation Engineering Oversight A FY13	01-Oct-12	31-Jan-13	16.00	$41,969	14.50	$0	$41,969	$0	231.60
14264000cLC	Installation Engineering Oversight B FY12	01-Feb-12	28-Sep-12	33.80	$85,546	30.50	$0	$85,546	$0	231.60
14264000dLC	Installation Engineering Oversight B FY13	01-Oct-12	31-Jan-13	16.00	$41,969	14.50	$0	$41,969	$0	231.60
14264001LOE	Installation Procurement Support FY12	03-Oct-11	28-Sep-12	49.40	$39,107	22.00	$0	$39,107	$0	202.00
14264002LOE	Installation Procurement Support FY13	01-Oct-12	30-Aug-13	45.60	$37,253	20.31	$0	$37,253	$0	202.00
14264002M	Hall Cleared and Cleaned for CLAS12 installation	07-Feb-13		0.00	$0	0.00	$0	$0	$0	13.00
14264007x	Subway Addition Procurement Prep	05-Jul-11	30-Sep-11	12.60	$14,626	6.00	$0	$14,626	$0	173.00
14264008	Vend Fab Subway Addition with rails and Spaceframe Mod	11-Sep-12	31-May-13	35.60	$0	0.00	$277,129	$277,129	$0	126.40
14264008a	Spaceframe Motion System	01-Jul-11	30-Dec-11	24.40	$0	0.00	$50,000	$50,000	$0	197.00
14264009	Electrical Utilities Mods of Spaceframe	02-Aug-11	29-Aug-11	4.00	$0	0.00	$38,000	$38,000	$0	177.60
14264013	Vend Fab Fwd. carriage Mods and install hangers and mount	01-Jun-12	29-Mar-13	40.80	$0	0.00	$40,000	$40,000	$0	13.80
14264202M	R2 Drift Chambers Ready for Installation	01-May-13		0.00	$0	0.00	$0	$0	$0	21.20
14264204M	R1 Drift Chambers Ready for Installation	01-Aug-13		0.00	$0	0.00	$0	$0	$0	8.40
14264206M	ToF Panel 1a - First 3 units Ready for Installation	05-Apr-13		0.00	$0	0.00	$0	$0	$0	133.20
14264220M	PCAL - First 5 units Ready for Installation	21-Jun-13		0.00	$0	0.00	$0	$0	$0	11.60
14264228M	Subway Steel Delivered		31-May-13	0.00	$0	0.00	$0	$0	$0	126.40
14264230	Subway Level 1 addition wiring Power Dist.	03-Jun-13	07-Jun-13	1.00	$0	0.00	$10,648	$10,648	$0	126.40
14264235	Hall B Control Survey	03-Jun-13	07-Jun-13	1.00	$0	0.00	$10,648	$10,648	$0	126.40
14264238M	Start Mods of FWD Carriage	07-Feb-13		0.00	$0	0.00	$0	$0	$0	140.40
14264240	Manufacturing Design of Fwd. Carriage Mods	03-Dec-12	18-Dec-12	2.40	$3,977	2.00	$0	$3,977	$0	14.00
14264245	Procurement Prep of Fwd. Carriage Mods	19-Dec-12	31-Jan-13	5.00	$579	0.20	$0	$579	$0	14.00
14264260	Reinforce Fwd Carriage, add motion sysytem mounts and detector mounts	07-Feb-13	10-Apr-13	8.80	$3,030	1.80	$0	$3,030	$0	13.00
14264265	Add Hand rails and stairs to FC level 0	11-Apr-13	15-Apr-13	0.60	$0	0.00	$0	$0	$0	13.00
14264267	Add AC power to Level 0 FC	16-Apr-13	18-Apr-13	0.60	$0	0.00	$0	$0	$0	130.40
14264269	Manufacturing Design of Motion System	03-Jan-13	22-Mar-13	11.00	$3,977	2.00	$0	$3,977	$0	4.00
14264271	Procurement Prep of Motion System	25-Mar-13	30-Apr-13	5.40	$579	0.20	$0	$579	$0	4.00
14264273	Vend Fab Motion System	01-May-13	18-Jun-13	6.80	$0	0.00	$5,764	$5,764	$0	4.00
14264278	Install Motion system	19-Jun-13	25-Jun-13	1.00	$0	0.00	$0	$0	$0	4.00
14264280	Modify LTCC gas piping	19-Apr-13	09-May-13	3.00	$11,006	6.00	$0	$11,006	$0	130.40
14264285	Modify Lead nose	26-Jun-13	01-Jul-13	0.80	$2,935	1.60	$0	$2,935	$0	4.00
14264290	Weld PCAL and LTCC brackets	02-Jul-13	16-Jul-13	2.00	$3,669	2.00	$0	$20,757	$17,089	4.00
14264295	Install panel 2 TOF brackets	16-Jul-13	29-Jul-13	2.00	$1,834	1.00	$0	$18,923	$17,089	4.00
14264297M	Start Forward Carriage Precabling	30-Jul-13		0.00	$0	0.00	$0	$0	$0	4.00
14264300	Install 10 electronics racks level 0	30-Jul-13	01-Aug-13	0.60	$3,669	2.00	$0	$3,669	$0	4.00
14264305	Install 2 electronics racks level 2	02-Aug-13	05-Aug-13	0.40	$459	0.25	$0	$459	$0	4.00
14264308	Reroute EC, CC, TOF HV/signal cables	06-Aug-13	30-Aug-13	3.80	$23,459	12.79	$0	$23,459	$0	4.00
14264315M	Start Installation of Hardware for DAQ	01-Mar-13		0.00	$0	0.00	$0	$0	$0	23.60
14264316	Removal of unused cables (DAQ)	01-Mar-13	14-Mar-13	2.00	$7,286	4.00	$0	$7,286	$0	23.60
14264318	Relocate PMT signals/HV/network patch panels	02-Aug-13	08-Aug-13	1.00	$3,643	2.00	$0	$3,643	$0	4.00
14264328	Relocate electronic crates	09-Aug-13	30-Aug-13	3.20	$11,658	6.40	$0	$11,658	$0	4.00
14264340M	Start Beamline Modifications	01-Mar-13		0.00	$0	0.00	$0	$0	$0	135.40
14264345	Install New Tagger Window	03-Jun-13	05-Jun-13	0.60	$3,302	1.80	$0	$3,302	$0	126.80
14264350	Move Moeller Quads and Table	01-Mar-13	21-Mar-13	3.00	$11,006	6.00	$0	$11,006	$0	135.40
14264355	Move GONI	22-Mar-13	01-Apr-13	1.40	$3,669	2.00	$0	$3,669	$0	135.40
14264360	Align Goni and Moeller Quads	02-Apr-13	04-Apr-13	0.60	$1,101	0.60	$0	$1,101	$0	135.40
14264362	Vend Fab Fwd. Detector Installation Tooling	01-Oct-12	28-Jun-13	36.80	$0	0.00	$39,117	$39,117	$0	10.40
14264364M	Start Installation of FWD Detectors	01-Jul-13		0.00	$0	0.00	$0	$0	$0	10.40
14264365	Transport and install first 5 sectors PCAL	01-Jul-13	22-Jul-13	3.00	$18,344	10.00	$0	$28,992	$10,648	10.40
14264370	Check PCAL positions	23-Jul-13	25-Jul-13	0.60	$1,834	1.00	$0	$1,834	$0	117.60
14264375	Cable/test/repair Preshower calorimeters	05-Jul-13	17-Jul-13	1.80	$1,834	1.00	$0	$1,834	$0	10.40
14264400	Transport and Install ToF 1a - First 3 sectors	26-Jul-13	02-Aug-13	1.20	$5,136	2.80	$0	$8,544	$3,407	117.60
14264405	Survey (as found location) TOF 1a positions	05-Aug-13	05-Aug-13	0.20	$1,101	0.60	$0	$1,101	$0	117.60
14264410	Cable/test/repair 1a's TOF's	06-Aug-13	09-Aug-13	0.80	$1,093	0.60	$0	$1,093	$0	117.60



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Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
14264545	Install and wire up Torus PS (G0)	05-Apr-13	11-Apr-13	1.00	$0	0.00	$0	$0	$0	23.80
14264882	Install DC signal cable trays and gas lines	07-Feb-13	21-Feb-13	2.00	$7,338	4.00	$4,535	$30,827	$18,954	25.80
14264884	Route DC Signal Cables	22-Feb-13	21-Mar-13	4.00	$14,675	8.00	$4,535	$57,012	$37,801	25.80
14264886	Install DC HV/LV Racks and cable trays	21-Mar-13	28-Mar-13	1.20	$4,387	2.39	$4,535	$20,635	$11,713	25.80
14264998	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($190,953)	($190,953)	$0	4.00
24264002LOE	Installation Procurement Support FY13	03-Sep-13	30-Sep-13	4.00	$9,955	3.44	$0	$9,955	$0	148.40
24264003LOE	Installation Enginering Support FY14	01-Oct-13	30-Sep-14	49.40	$123,446	42.65	$0	$123,446	$0	148.40
24264005LOE	Installation Engineering Oversight FY15	30-Sep-14	29-Sep-15	49.20	$439,173	110.28	$0	$439,173	$0	84.00
24264006LOE	Installation Engineering Oversight FY16	30-Sep-15	28-Jan-16	15.40	$146,789	36.50	$0	$146,789	$0	84.00
24264010M	SVT Ready For Installation	15-Dec-14		0.00	$0	0.00	$0	$0	$0	45.80
24264015M	CTOF Ready for Installation	05-Aug-15		0.00	$0	0.00	$0	$0	$0	9.00
24264020M	R3 Drift Chambers Ready for Installation	02-Apr-15		0.00	$0	0.00	$0	$0	$0	33.00
24264025M	R2 Drift Chambers Ready for Installation	03-Sep-13		0.00	$0	0.00	$0	$0	$0	106.00
24264030M	R1 Drift Chambers Ready for Installation	01-May-14		0.00	$0	0.00	$0	$0	$0	76.80
24264035M	ToF Panel 1a - First 3 units Ready for Installation	03-Sep-13		0.00	$0	0.00	$0	$0	$0	112.20
24264045M	ToF Panel 2 Ready for Installation	03-Sep-13		0.00	$0	0.00	$0	$0	$0	111.20
24264050M	ToF Panel 1b - First 3 units Ready for Installation	02-Jan-14		0.00	$0	0.00	$0	$0	$0	91.20
24264055M	ToF Panel 1b - Last 3 units Ready for Installation	02-Jan-14		0.00	$0	0.00	$0	$0	$0	94.00
24264065M	LTCC - Last 3 units Ready for Installation	11-Feb-15		0.00	$0	0.00	$0	$0	$0	37.00
24264080M	HTCC Ready for Installation	20-Apr-15		0.00	$0	0.00	$0	$0	$0	31.40
24264085M	First Torus Cryostat Ready	30-Jun-14		0.00	$0	0.00	$0	$0	$0	10.00
24264090M	Last Torus Cryostat Ready	01-Oct-14		0.00	$0	0.00	$0	$0	$0	14.40
24264095M	Torus Control System Ready for Installation	07-Jan-15		0.00	$0	0.00	$0	$0	$0	27.40
24264105	SVT - Design mounts for SVT to solenoid cart	02-Apr-14	27-May-14	7.80	$7,954	4.00	$0	$7,954	$0	50.40
24264110	SVT - Design Insertion/service cart and installation arm	28-May-14	22-Jul-14	7.80	$9,942	5.00	$0	$9,942	$0	50.40
24264115	SVT - Design transportation cart/skid	23-Jul-14	03-Oct-14	10.40	$23,861	12.00	$0	$23,861	$0	50.40
24264120	SVT - Cart/Skid Engineering analysis	27-Aug-14	12-Sep-14	2.40	$17,366	6.00	$0	$17,366	$0	53.40
24264125	SVT - Procure SVT mounts and cart	06-Oct-14	15-Dec-14	9.80	$0	0.00	$32,113	$32,113	$0	50.40
24264140	PCAL - Procure PCAL installation stand	03-Sep-13	28-Oct-13	8.00	$0	0.00	$21,969	$21,969	$0	89.20
24264145	HTCC - design transport cart	01-Oct-14	19-Dec-14	11.20	$2,894	1.00	$0	$17,454	$14,560	38.80
24264160	HTCC - procure transport cart	22-Dec-14	27-Feb-15	8.20	$0	0.00	$35,497	$35,497	$0	38.80
24264230	Subway Level 1 addition wiring Power Dist.	04-Sep-14	10-Sep-14	1.00	$0	0.00	$10,648	$10,648	$0	38.00
24264270	Add AC power to Level 0 FC	03-Sep-13	02-Oct-13	4.40	$0	0.00	$0	$0	$0	95.20
24264278	Install Fwd Carriage Mods	03-Sep-13	30-Sep-13	4.00	$0	0.00	$71,953	$71,953	$0	60.80
24264280	Modify LTCC gas piping	13-Nov-13	27-Jan-14	8.60	$33,943	18.00	$0	$33,943	$0	95.20
24264281	Install new gas lines from gas sched to the hall	14-Jan-14	28-Jan-14	2.00	$12,841	7.00	$0	$12,841	$0	95.20
24264282	Design modifications to Lead Nose	05-Jun-14	25-Jun-14	3.00	$0	0.00	$0	$6,240	$6,240	66.00
24264285	Modify Lead nose	26-Jun-14	15-Jul-14	2.60	$2,935	1.60	$0	$2,935	$0	66.00
24264297M	Start Forward Carriage Precabling	24-Sep-13		0.00	$0	0.00	$0	$0	$0	77.00
24264300	Precable forward carriage FY13	24-Sep-13	30-Sep-13	1.00	$4,077	2.24	$0	$4,077	$0	77.00
24264300a	Precable forward carriage FY14	01-Oct-13	05-Feb-14	16.20	$66,054	36.26	$0	$66,054	$0	77.00
24264340M	Start Beamline Modifications	13-Apr-15		0.00	$0	0.00	$0	$0	$0	30.40
24264345	Install New Tagger Window	01-Oct-14	03-Oct-14	0.60	$3,302	1.80	$0	$3,302	$0	60.20
24264350	Move Moeller Quads and Table	13-Apr-15	01-May-15	3.00	$11,006	6.00	$0	$11,006	$0	30.40
24264355	Move GONI	04-May-15	12-May-15	1.40	$3,669	2.00	$0	$3,669	$0	30.40
24264360	Align Goni and Moeller Quads	13-May-15	15-May-15	0.60	$1,101	0.60	$0	$1,101	$0	30.40
24264362	Vend Fab Fwd. Detector Installation Tooling	03-Sep-13	28-Oct-13	8.00	$0	0.00	$21,069	$21,069	$0	89.20
24264364M	Start Installation of FWD Detectors	29-Oct-13		0.00	$0	0.00	$0	$0	$0	89.20
24264365	Transport and install PCAL	06-Feb-14	26-Feb-14	3.00	$22,013	12.00	$0	$22,013	$0	77.00
24264370	Check PCAL positions	27-Feb-14	28-Feb-14	0.40	$2,201	1.20	$0	$2,201	$0	88.40
24264390	Cable/test/repair Preshower calorimeters	10-Feb-14	07-Mar-14	4.00	$8,548	3.60	$0	$8,548	$0	89.60
24264395	Cable/test/repair EC	29-Oct-13	11-Mar-14	17.00	$15,800	7.20	$0	$15,800	$0	89.20
24264400	Transport and Install ToF 1a	04-Mar-14	18-Mar-14	2.20	$17,610	9.60	$0	$17,610	$0	88.40
24264405	Survey (as found location) TOF 1a positions	20-Mar-14	21-Mar-14	0.40	$3,302	1.80	$0	$3,302	$0	88.40
24264410	Cable/test/repair 1a's TOF's	05-Mar-14	17-Mar-14	1.80	$11,850	5.40	$0	$11,850	$0	88.40
24264430	Transport and install ToF 1b	14-Apr-14	29-Apr-14	2.40	$17,610	9.60	$0	$17,610	$0	77.00
24264435	Survey (as found location) TOF 1b's	30-Apr-14	01-May-14	0.40	$3,302	1.80	$0	$3,302	$0	77.00

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24264440	Cable/test/repair 1b's TOF's	30-Apr-14	13-May-14	2.00	$11,850	5.40	$0	$11,850	$0	80.20
24264460	Transport and Install LTCC	20-Feb-15	05-Mar-15	2.00	$14,675	8.00	$0	$14,675	$0	37.00
24264465	Survey (as found location) LTCC positions	06-Mar-15	10-Mar-15	0.60	$3,302	1.80	$0	$3,302	$0	37.00
24264470	Cable/test/repair LTCC's	10-Mar-15	17-Mar-15	1.20	$7,900	3.60	$0	$7,900	$0	39.00
24264490	Transport and Install TOF Panel 2 and align relative to panel 1a	11-Mar-15	18-Mar-15	1.20	$8,805	4.80	$0	$8,805	$0	37.00
24264495	Final Survey TOF panel 2's Positions	19-Mar-15	23-Mar-15	0.60	$3,302	1.80	$0	$3,302	$0	37.00
24264500	Cable/test/repair Panel 2 TOFs	24-Mar-15	31-Mar-15	1.20	$7,900	3.60	$0	$7,900	$0	37.00
24264515	Mods to CRYO transfer lines	01-Oct-13	25-Nov-13	8.00	$14,675	8.00	$0	$14,675	$0	67.80
24264517	Modify Space Frame For Cryo Can	09-Sep-13	05-Nov-13	8.40	$0	0.00	$20,000	$20,000	$0	66.80
24264520	Modify Space Frame Level 3 deck For Torus Cryo	06-Nov-13	05-Dec-13	4.00	$3,669	2.00	$0	$3,669	$0	66.80
24264525	Distribution Can - Transport and position distribution box	02-Sep-14	03-Sep-14	0.40	$2,935	1.60	$0	$2,935	$0	30.60
24264527	Distribution Can - Connect cold piping with fittings and welding	04-Sep-14	10-Sep-14	1.00	$7,338	4.00	$0	$7,338	$0	30.60
24264529	Distribution Can - Connect Instrumentation and valves	11-Sep-14	17-Sep-14	1.00	$7,338	4.00	$0	$7,338	$0	30.60
24264531	Distribution Can - leak test system	18-Sep-14	23-Sep-14	0.80	$5,870	3.20	$0	$5,870	$0	30.60
24264533	Distribution Can - pressure test system	24-Sep-14	25-Sep-14	0.40	$2,935	1.60	$0	$2,935	$0	30.60
24264535	Distribution Can - final leak test system	26-Sep-14	30-Sep-14	0.60	$4,403	2.40	$0	$4,403	$0	30.60
24264540	Distribution Can - purify system	01-Oct-14	03-Oct-14	0.60	$3,669	2.00	$0	$3,669	$0	30.60
24264545	Install and wire up Torus PS (G0)	07-May-14	13-May-14	1.00	$7,286	4.00	$0	$7,286	$0	16.40
24264548M	Start Torus Installation		30-Jun-14	0.00	$0	0.00	$0	$0	$0	10.00
24264550	Install 3 Torus Base support and adjustment Stands	02-Sep-14	08-Sep-14	1.00	$9,779	5.00	$0	$9,779	$0	5.00
24264555	Install Torus Control System	07-Jan-15	04-Feb-15	4.00	$18,936	8.00	$0	$18,936	$0	27.40
24264565	Attach cold hub to Coil D	09-Jul-14	17-Jul-14	1.40	$10,273	5.60	$0	$10,273	$0	8.80
24264570	Attach Center Base Legs to Coil D	18-Jul-14	28-Jul-14	1.40	$10,273	5.60	$0	$10,273	$0	8.80
24264575	Install Temporary Braces to Hall Floor for Coil D and Beam left and right Cold Rings	29-Jul-14	11-Aug-14	2.00	$26,896	14.00	$0	$26,896	$0	8.80
24264580	Install Coil D Assembly	09-Sep-14	17-Sep-14	1.40	$19,461	9.80	$0	$19,461	$0	5.00
24264585	Install Beam left and right cold ring beams	18-Sep-14	01-Oct-14	2.00	$14,675	8.00	$0	$14,675	$0	5.00
24264590	Align Lower Cold ring beams and lock down	02-Oct-14	10-Oct-14	1.40	$15,409	8.40	$0	$15,409	$0	5.00
24264595	Install Coil E and C Assemblies (mechanical)	13-Oct-14	27-Oct-14	2.20	$30,582	15.40	$0	$30,582	$0	5.00
24264600	Install Vertical Cold ring beams and braces	28-Oct-14	10-Nov-14	2.00	$14,675	8.00	$0	$14,675	$0	5.00
24264605	Install Coil F and B assemblies	18-Nov-14	04-Dec-14	2.20	$30,582	15.40	$0	$30,582	$0	4.00
24264610	Install Top four Cold Ring beams and temporary braces	05-Dec-14	15-Dec-14	1.40	$10,273	5.60	$0	$10,273	$0	4.00
24264615	Install Coil A	19-Dec-14	07-Jan-15	1.20	$16,137	8.40	$0	$16,137	$0	3.40
24264620	Survey all CCM and Cold Hub relative locations adjust as necessary	08-Jan-15	12-Jan-15	0.60	$6,690	3.30	$0	$6,690	$0	3.40
24264625	Mount the Torus Service Module on Level 3	13-Jan-15	13-Jan-15	0.20	$1,666	0.90	$0	$1,666	$0	3.40
24264630	Splice all Coil Leads and Leads to Service Module	14-Jan-15	20-Jan-15	0.80	$6,718	3.20	$0	$6,718	$0	3.40
24264635	Weld/Braze all cooling lines (He)	21-Jan-15	22-Jan-15	0.40	$2,201	1.20	$0	$2,201	$0	3.40
24264640	Pressure and Leak test all 4K cooling lines	23-Jan-15	26-Jan-15	0.40	$2,625	1.20	$0	$2,625	$0	3.40
24264645	Secure and Heat Station the Splices and coil leads	27-Jan-15	29-Jan-15	0.60	$3,302	1.80	$0	$3,302	$0	3.40
24264650	Connect all instrumentation including voltage taps	30-Jan-15	06-Feb-15	1.20	$8,774	4.80	$0	$8,774	$0	3.40
24264655	Insulate all 4K Surfaces	09-Feb-15	20-Feb-15	2.00	$19,558	10.00	$0	$19,558	$0	3.40
24264660	Complete Central hub heat shield	23-Feb-15	26-Feb-15	0.80	$4,403	2.40	$0	$4,403	$0	3.40
24264665	Install Cold to warm supports on vertical Cold ring beams	27-Feb-15	27-Feb-15	0.20	$1,956	1.00	$0	$1,956	$0	3.40
24264670	Install Heat shield on Cold Ring vertical Beams	02-Mar-15	05-Mar-15	0.80	$5,870	3.20	$0	$5,870	$0	3.40
24264675	Insulate 80K surfaces on Cold Ring vertical beams	06-Mar-15	11-Mar-15	0.80	$7,823	4.00	$0	$7,823	$0	3.40
24264680	Install Outer Legs N & S on Adjusters (includes 1/2 of CS VJ)	12-Mar-15	13-Mar-15	0.40	$6,294	3.20	$0	$6,294	$0	3.40
24264685	Attach cold to warm support to VJ (2 places)	16-Mar-15	16-Mar-15	0.20	$2,046	1.00	$0	$2,046	$0	3.40
24264690	Complete Vertical Cold Ring VJ	17-Mar-15	20-Mar-15	0.80	$12,588	6.40	$0	$12,588	$0	3.40
24264695	Transfer load from Temporary legs to Outer Legs and Remove Temp legs	23-Mar-15	24-Mar-15	0.40	$3,912	2.00	$0	$3,912	$0	3.40
24264700	Install Heat Shield on other 8 Hex Ring beams	25-Mar-15	03-Apr-15	1.60	$25,176	12.80	$0	$25,176	$0	3.40
24264705	Connect all Heat Shield cooling tubes	06-Apr-15	08-Apr-15	0.60	$4,403	2.40	$0	$4,403	$0	3.40
24264710	Pressure and Leak test all 80K cooling lines	09-Apr-15	10-Apr-15	0.40	$2,625	1.20	$0	$2,625	$0	3.40
24264715	Insulate All 80K Surfaces	13-Apr-15	20-Apr-15	1.20	$11,735	6.00	$0	$11,735	$0	3.40
24264720	Install VJ on other 8 Hex Ring Beams	21-Apr-15	30-Apr-15	1.60	$25,176	12.80	$0	$25,176	$0	3.40
24264723	Install insulation and shield and VJ at central Hub	01-May-15	06-May-15	0.80	$4,888	2.40	$0	$4,888	$0	3.40
24264725	Install VJ between Coils at Hub	07-May-15	14-May-15	1.20	$18,882	9.60	$0	$18,882	$0	3.40
24264730	Transfer All Cold Mass Loads to VJ	15-May-15	18-May-15	0.40	$4,093	2.00	$0	$4,093	$0	3.40
24264735	Align VJ to Beam Line	19-May-15	20-May-15	0.40	$4,460	2.20	$0	$4,460	$0	3.40

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Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
24264740	Align Cold Mass to VJ and Beam Line	21-May-15	22-May-15	0.40	$4,460	2.20	$0	$4,460	$0	3.40
24264755	Close up all cold mass view ports and temporary CCM support ports	26-May-15	29-May-15	0.80	$4,403	2.40	$0	$4,403	$0	3.40
24264757	TORUS CRYOTOWER-Transport and position cryotower	31-Mar-15	01-Apr-15	0.40	$2,201	1.20	$0	$2,201	$0	7.60
24264757A	TORUS CRYOTOWER-Connect cold piping with fittings and welding	02-Apr-15	15-Apr-15	2.00	$11,006	6.00	$0	$11,006	$0	7.60
24264757B	TORUS CRYOTOWER-Connect Instrumentation, valves and current leads	02-Apr-15	13-Apr-15	1.60	$8,805	4.80	$0	$8,805	$0	7.60
24264757C	TORUS CRYOTOWER-Leak Test new System	14-Apr-15	17-Apr-15	0.80	$4,403	2.40	$0	$4,403	$0	7.60
24264757D	TORUS CRYOTOWER-Pressure Test Piping	20-Apr-15	21-Apr-15	0.40	$2,201	1.20	$0	$2,201	$0	7.60
24264757F	TORUS CRYOTOWER-Final Leak Test system	22-Apr-15	24-Apr-15	0.60	$3,302	1.80	$0	$3,302	$0	7.60
24264757G	Purify System	27-Apr-15	29-Apr-15	0.60	$2,752	1.50	$0	$2,752	$0	7.60
24264760	TORUS CRYO WARM PIPING-Install Vacuum pumping system	02-Jun-15	03-Jun-15	0.40	$5,188	2.60	$0	$5,188	$0	3.40
24264762	TORUS CRYO WARM PIPING-Design Gas Panel and Piping	24-Feb-15	16-Mar-15	3.00	$8,683	3.00	$0	$8,683	$0	5.80
24264762A	TORUS CRYO WARM PIPING-Cut Back Piping	17-Mar-15	17-Mar-15	0.20	$734	0.40	$0	$734	$0	5.80
24264762B	TORUS CRYO WARM PIPING-Procure valves and fitting	18-Mar-15	14-Apr-15	4.00	$11,578	4.00	$0	$21,578	$10,000	5.80
24264762C	TORUS CRYO WARM PIPING-Install New Piping	15-Apr-15	28-Apr-15	2.00	$7,338	4.00	$0	$7,338	$0	5.80
24264762D	TORUS CRYO WARM PIPING-Leak Test new Piping	29-Apr-15	04-May-15	0.80	$2,935	1.60	$0	$2,935	$0	5.80
24264762F	TORUS CRYO WARM PIPING-Pressure Test Piping	05-May-15	05-May-15	0.20	$734	0.40	$0	$734	$0	5.80
24264762G	TORUS CRYO WARM PIPING-Final Leak Test system	06-May-15	11-May-15	0.80	$2,935	1.60	$0	$2,935	$0	5.80
24264762H	TORUS CRYO WARM PIPING-Purify System	12-May-15	14-May-15	0.60	$1,834	1.00	$0	$1,834	$0	5.80
24264765	Pump VJ, leak and pressure test	04-Jun-15	17-Jun-15	2.00	$3,669	2.00	$0	$3,669	$0	3.40
24264770	Install mounting adapters for drift chambers	18-Jun-15	01-Jul-15	2.00	$23,707	11.19	$0	$23,707	$0	3.40
24264775	Connect instrumentation and Leads	02-Jul-15	09-Jul-15	1.00	$20,229	9.90	$0	$20,229	$0	3.40
24264780	Connect Torus cryo lines	10-Jul-15	13-Jul-15	0.40	$8,948	4.30	$0	$8,948	$0	3.40
24264788M	Torus Assembled and Tested	01-Oct-15		0.00	$0	0.00	$0	$0	$0	3.40
24264790	Solenoid - design adjustment system for solenoid and HTCC rails	05-Mar-14	08-Apr-14	5.00	$9,942	5.00	$0	$9,942	$0	35.40
24264791	Solenoid - procure rails and adjustment components for solenoid and HTCC rails	06-May-14	04-Aug-14	12.60	$0	0.00	$22,079	$22,079	$0	35.40
24264792	Solenoid - Install and Align rails and adjustment components for solenoid and HTCC rails	05-Aug-14	25-Aug-14	3.00	$0	0.00	$0	$0	$0	35.40
24264793	Solenoid - design motion system	09-Apr-14	12-May-14	4.80	$9,942	5.00	$0	$9,942	$0	42.60
24264794	Solenoid - procure motion system	06-May-14	03-Jul-14	8.40	$0	0.00	$3,469	$3,469	$0	42.60
24264794a	Solenoid - Install motion system	26-Aug-14	02-Sep-14	1.00	$3,669	2.00	$0	$3,669	$0	35.40
24264795	Solenoid - design cart	09-Apr-14	12-May-14	4.80	$0	0.00	$0	$12,480	$12,480	35.40
24264796	Solenoid - cart Engineering Analysis	29-Apr-14	29-May-14	4.40	$11,578	4.00	$0	$11,578	$0	35.40
24264797	Solenoid - procure cart	03-Jun-14	02-Sep-14	12.80	$0	0.00	$53,069	$53,069	$0	35.00
24264798M	Start Installation of Solenoid	13-Jan-15		0.00	$0	0.00	$0	$0	$0	18.20
24264800	Receive and inspect solenoid magnet from Vendor	13-Jan-15	15-Jan-15	0.60	$16,770	8.00	$0	$16,770	$0	18.20
24264805	Install Solenoid cart	13-Jan-15	13-Jan-15	0.20	$1,468	0.80	$0	$1,468	$0	18.60
24264810	Assemble Solenoid and Piping	16-Jan-15	27-Feb-15	6.00	$11,006	6.00	$0	$19,525	$8,519	18.20
24264815	Solenoid instrumentation and current leads	06-Jul-15	17-Jul-15	2.00	$7,286	4.00	$0	$7,286	$0	0.60
24264820	Align Solenoid	17-Jul-15	20-Jul-15	0.40	$734	0.40	$0	$734	$0	0.60
24264825	Connect Solenoid Cryo lines	21-Jul-15	17-Aug-15	4.00	$0	0.00	$0	$0	$0	0.60
24264845	Mount, assemble and cable CTOF system	05-Oct-15	06-Nov-15	5.00	$20,504	10.00	$0	$20,504	$0	0.60
24264850	Align CTOF	09-Nov-15	13-Nov-15	1.00	$2,201	1.20	$0	$2,201	$0	0.60
24264855	Mount, cable and check SVT system	13-Nov-15	07-Dec-15	3.00	$20,504	10.00	$0	$20,504	$0	0.60
24264860	Align SVT	07-Dec-15	18-Dec-15	2.00	$2,201	1.20	$0	$2,201	$0	0.60
24264860M	Central Detector Ready		18-Dec-15	0.00	$0	0.00	$0	$0	$0	0.60
24264868	Design and install HTCC gas system	08-Apr-15	14-Aug-15	18.00	$16,972	9.00	$0	$16,972	$0	15.40
24264870	Rig and Transport HTCC to Hall	03-Nov-15	04-Nov-15	0.40	$1,834	1.00	$0	$1,834	$0	4.00
24264872	Install HTCC cart	05-Nov-15	10-Nov-15	0.80	$917	0.50	$0	$917	$0	4.00
24264874	Install HTCC	11-Nov-15	12-Nov-15	0.40	$5,503	3.00	$0	$5,503	$0	4.00
24264876	HTCC verify mirror alignment and align detector to beam	13-Nov-15	17-Nov-15	0.60	$5,699	2.40	$0	$5,699	$0	4.00
24264878	Cable HTCC	18-Nov-15	23-Nov-15	0.80	$1,468	0.80	$0	$1,468	$0	4.00
24264880	Vend Fab Drift Chambers Installation tooling	14-Jan-15	05-Jun-15	20.00	$0	0.00	$20,409	$20,409	$0	19.60
24264882	Install DC signal cable trays and gas lines	03-Sep-15	22-Oct-15	7.00	$29,350	16.00	$4,535	$52,839	$18,954	9.80
24264884	Route DC Signal Cables	03-Sep-15	22-Oct-15	7.00	$22,013	12.00	$0	$22,013	$0	9.80
24264886	Install DC HV/LV Racks and cable trays	16-Jul-15	14-Aug-15	4.40	$8,805	4.80	$0	$8,805	$0	9.80
24264888	Reroute DC gas lines to the distribution pannel	06-Jan-14	15-Jul-14	26.80	$11,006	6.00	$0	$11,006	$0	71.60
24264890	DC - design mounts and adjusters for DC to Torus	05-Dec-13	10-Apr-14	16.40	$0	0.00	$0	$24,960	$24,960	45.20
24264895	DC - mounts and adjusters Engineering Analysis	16-Jan-14	10-Mar-14	7.40	$17,366	6.00	$0	$17,366	$0	49.80

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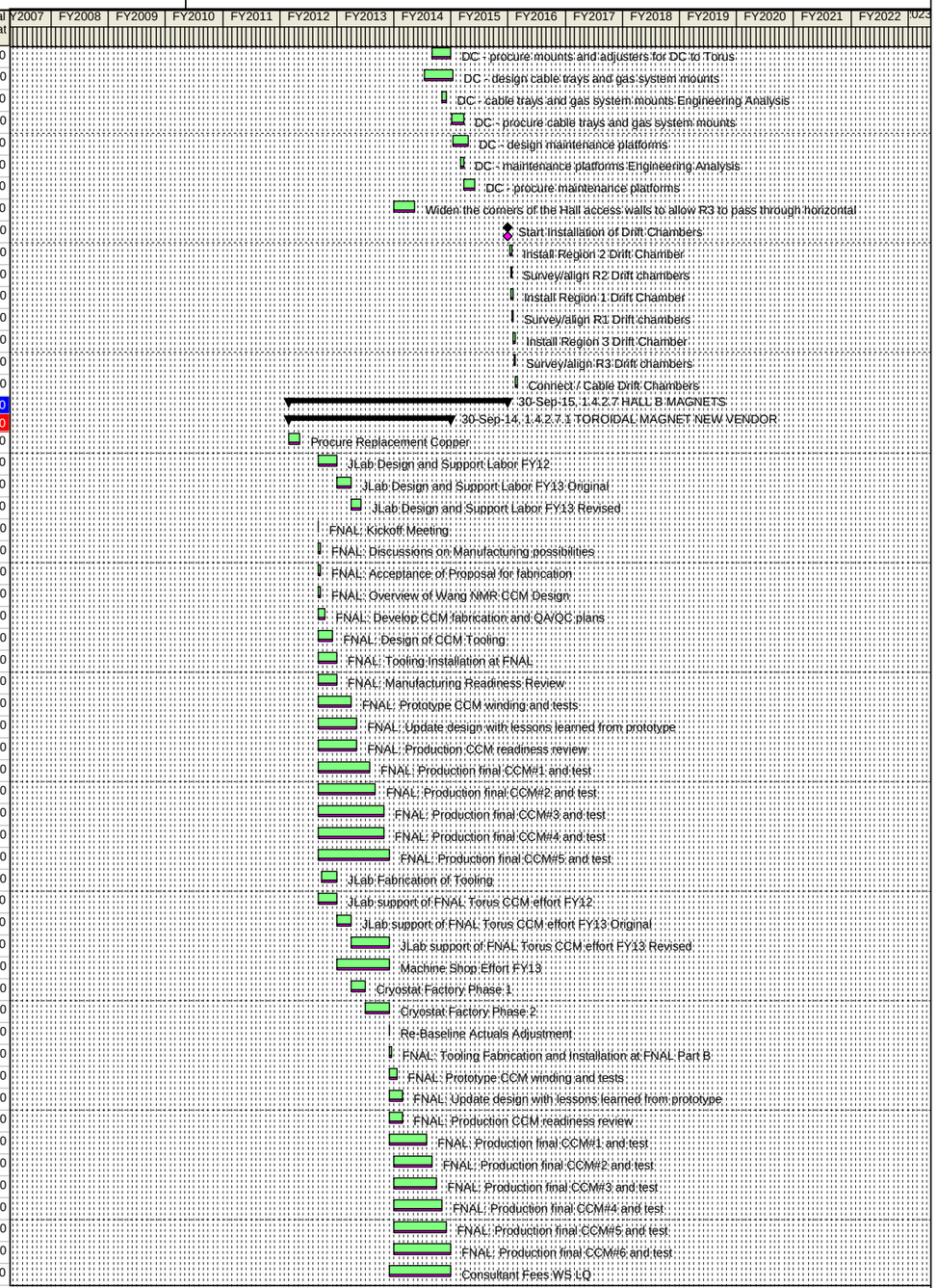
Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
24264900	DC - procure mounts and adjusters for DC to Torus	03-Jun-14	30-Sep-14	16.80	$0	0.00	$75,589	$75,589	$0	38.00
24264905	DC - design cable trays and gas system mounts	11-Apr-14	09-Oct-14	25.40	$0	0.00	$0	$29,120	$29,120	9.80
24264910	DC - cable trays and gas system mounts Engineering Analysis	01-Aug-14	03-Sep-14	4.60	$14,472	5.00	$0	$14,472	$0	14.80
24264915	DC - procure cable trays and gas system mounts	09-Oct-14	23-Dec-14	10.40	$0	0.00	$33,469	$33,469	$0	9.80
24264920	DC - design maintenance platforms	10-Oct-14	15-Jan-15	12.00	$0	0.00	$0	$10,400	$10,400	33.20
24264925	DC - maintenance platforms Engineering Analysis	01-Dec-14	19-Dec-14	3.00	$8,683	3.00	$0	$8,683	$0	33.20
24264930	DC - procure maintenance platforms	22-Dec-14	27-Feb-15	8.20	$0	0.00	$19,223	$19,223	$0	33.20
24264935	Widen the corners of the Hall access walls to allow R3 to pass through horizontal	01-Oct-13	07-Feb-14	16.60	$0	0.00	$8,000	$8,000	$0	85.40
24264960M	Start Installation of Drift Chambers	01-Oct-15		0.00	$0	0.00	$0	$0	$0	3.40
24264965	Install Region 2 Drift Chamber	09-Oct-15	22-Oct-15	2.00	$24,948	13.60	$0	$24,948	$0	3.40
24264970	Survey/align R2 Drift chambers	16-Oct-15	22-Oct-15	1.00	$11,006	6.00	$0	$11,006	$0	3.40
24264975	Install Region 1 Drift Chamber	22-Oct-15	04-Nov-15	2.00	$24,948	13.60	$0	$24,948	$0	3.40
24264980	Survey/align R1 Drift chambers	27-Oct-15	02-Nov-15	1.00	$11,006	6.00	$0	$11,006	$0	3.40
24264985	Install Region 3 Drift Chamber	02-Nov-15	13-Nov-15	2.00	$24,948	13.60	$0	$24,948	$0	3.40
24264990	Survey/align R3 Drift chambers	06-Nov-15	12-Nov-15	1.00	$11,006	6.00	$0	$11,006	$0	3.40
24264995	Connect / Cable Drift Chambers	13-Nov-15	30-Nov-15	2.00	$9,472	4.00	$0	$9,472	$0	3.40
1.4.2.7 HALL B MAGNETS		01-Dec-11	30-Sep-15	189.80	$5,755,455	2242.68	$12,488,214	$19,191,430	$947,761	99.00
1.4.2.7.1 TOROIDAL MAGNET NEW VENDOR		01-Dec-11	30-Sep-14	140.40	$1,624,148	675.52	$2,547,290	$4,646,791	$475,352	61.00
14271000	Procure Replacement Copper	01-Dec-11	03-Feb-12	8.00	$0	0.00	$20,000	$20,000	$0	132.40
14271005	JLab Design and Support Labor FY12	01-Jun-12	28-Sep-12	16.80	$89,286	31.83	$0	$89,286	$0	79.40
14271010	JLab Design and Support Labor FY13 Original	01-Oct-12	31-Dec-12	11.80	$42,485	14.68	$0	$42,485	$0	79.40
14271012	JLab Design and Support Labor FY13 Revised	02-Jan-13	28-Feb-13	8.00	$350,462	142.40	$0	$400,987	$50,525	79.40
14271015	FNAL: Kickoff Meeting	01-Jun-12	05-Jun-12	0.40	$0	0.00	$2,416	$2,416	$0	4.00
14271020	FNAL: Discussions on Manufacturing possibilities	01-Jun-12	18-Jun-12	2.20	$0	0.00	$24,160	$24,160	$0	4.00
14271025	FNAL: Acceptance of Proposal for fabrication	01-Jun-12	19-Jun-12	2.40	$0	0.00	$2,416	$2,416	$0	4.00
14271025A	FNAL: Overview of Wang NMR CCM Design	01-Jun-12	19-Jun-12	2.40	$0	0.00	$26,576	$26,576	$0	4.00
14271025B	FNAL: Develop CCM fabrication and QA/QC plans	01-Jun-12	18-Jul-12	6.60	$0	0.00	$48,320	$48,320	$0	4.00
14271025C	FNAL: Design of CCM Tooling	01-Jun-12	31-Aug-12	13.00	$0	0.00	$106,304	$106,304	$0	4.00
14271025D	FNAL: Tooling Installation at FNAL	01-Jun-12	28-Sep-12	16.80	$0	0.00	$24,160	$24,160	$0	4.00
14271025F	FNAL: Manufacturing Readiness Review	01-Jun-12	28-Sep-12	16.80	$0	0.00	$4,832	$4,832	$0	4.00
14271025G	FNAL: Prototype CCM winding and tests	01-Jun-12	31-Dec-12	28.60	$0	0.00	$144,960	$144,960	$0	4.00
14271025H	FNAL: Update design with lessons learned from prototype	01-Jun-12	31-Jan-13	32.80	$0	0.00	$60,400	$60,400	$0	4.00
14271025J	FNAL: Production CCM readiness review	01-Jun-12	31-Jan-13	32.80	$0	0.00	$2,416	$2,416	$0	4.00
14271025K	FNAL: Production final CCM#1 and test	01-Jun-12	30-Apr-13	45.20	$0	0.00	$114,336	$114,336	$0	4.00
14271025L	FNAL: Production final CCM#2 and test	01-Jun-12	31-May-13	49.60	$0	0.00	$104,898	$104,898	$0	4.00
14271025N	FNAL: Production final CCM#3 and test	01-Jun-12	31-Jul-13	58.00	$0	0.00	$102,426	$102,426	$0	4.00
14271025P	FNAL: Production final CCM#4 and test	01-Jun-12	31-Jul-13	58.00	$0	0.00	$71,460	$71,460	$0	4.00
14271025Q	FNAL: Production final CCM#5 and test	01-Jun-12	30-Aug-13	62.40	$0	0.00	$71,460	$71,460	$0	4.00
14271026	JLab Fabrication of Tooling	22-Jun-12	28-Sep-12	14.00	$0	0.00	$150,000	$328,571	$178,571	5.20
14271027LOE	JLab support of FNAL Torus CCM effort FY12	01-Jun-12	28-Sep-12	16.80	$66,253	28.00	$0	$66,253	$0	114.60
14271028LOE	JLab support of FNAL Torus CCM effort FY13 Original	01-Oct-12	31-Dec-12	11.80	$48,022	19.67	$0	$48,022	$0	114.60
14271028LOI	JLab support of FNAL Torus CCM effort FY13 Revised	02-Jan-13	30-Aug-13	33.80	$144,081	59.02	$0	$144,081	$0	114.60
14271030	Machine Shop Effort FY13	01-Oct-12	30-Aug-13	45.60	$0	0.00	$0	$246,256	$246,256	4.00
14271040	Cryostat Factory Phase 1	03-Jan-13	29-Mar-13	12.00	$267,871	116.46	$0	$267,871	$0	4.00
14271045	Cryostat Factory Phase 2	01-Apr-13	30-Aug-13	21.60	$452,032	228.37	$0	$452,032	$0	4.00
14271085	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$558,132	$558,132	$0	4.00
24271665	FNAL: Tooling Fabrication and Installation at FNAL Part B	03-Sep-13	16-Sep-13	2.00	$0	0.00	$2,467	$2,467	$0	4.00
24271680	FNAL: Prototype CCM winding and tests	03-Sep-13	21-Oct-13	7.00	$0	0.00	$35,234	$35,234	$0	4.00
24271685	FNAL: Update design with lessons learned from prototype	03-Sep-13	27-Nov-13	12.40	$0	0.00	$46,567	$46,567	$0	4.00
24271690	FNAL: Production CCM readiness review	03-Sep-13	27-Nov-13	12.40	$0	0.00	$24,836	$24,836	$0	4.00
24271695	FNAL: Production final CCM#1 and test	03-Sep-13	30-Apr-14	32.20	$0	0.00	$133,483	$133,483	$0	4.00
24271700	FNAL: Production final CCM#2 and test	01-Oct-13	30-May-14	32.40	$0	0.00	$123,135	$123,135	$0	0.00
24271705	FNAL: Production final CCM#3 and test	01-Oct-13	30-Jun-14	36.60	$0	0.00	$123,135	$123,135	$0	0.00
24271710	FNAL: Production final CCM#4 and test	01-Oct-13	31-Jul-14	41.00	$0	0.00	$123,135	$123,135	$0	0.00
24271715	FNAL: Production final CCM#5 and test	01-Oct-13	29-Aug-14	45.20	$0	0.00	$123,135	$123,135	$0	0.00
24271720	FNAL: Production final CCM#6 and test	01-Oct-13	30-Sep-14	49.40	$0	0.00	$123,135	$123,135	$0	0.00
24271725 LOE	Consultant Fees WS LQ	03-Sep-13	30-Sep-14	53.40	$0	0.00	$22,950	$22,950	$0	60.80



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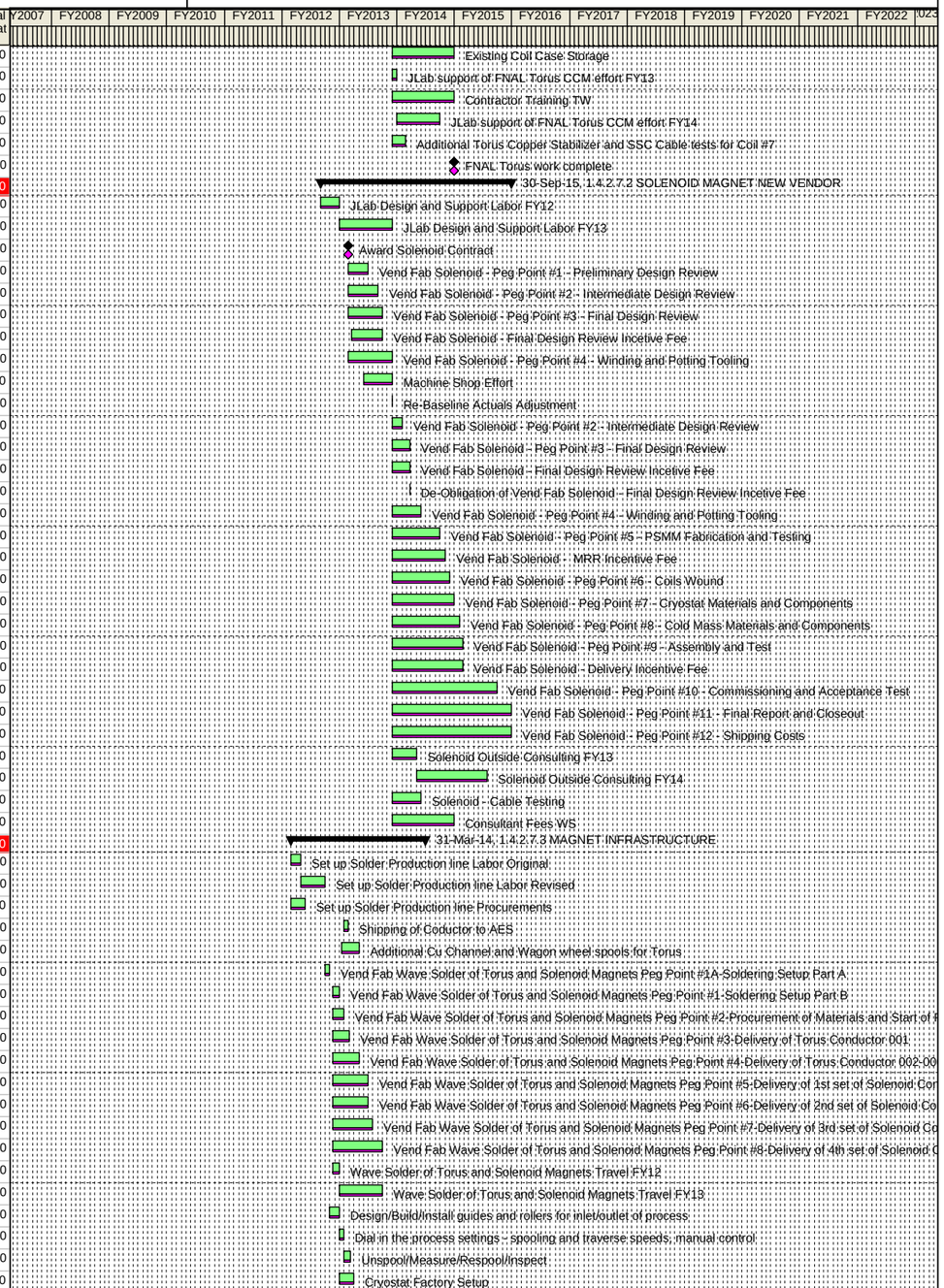
Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
24271730	Existing Coil Case Storage	03-Sep-13	30-Sep-14	53.40	$0	0.00	$2,106	$2,106	$0	60.80
24271730LOE	JLab support of FNAL Torus CCM effort FY13	03-Sep-13	30-Sep-13	4.00	$16,042	3.44	$0	$16,042	$0	14.40
24271735	Contractor Training TW	03-Sep-13	30-Sep-14	53.40	$0	0.00	$266	$266	$0	60.80
24271735LOE	JLab support of FNAL Torus CCM effort FY14	01-Oct-13	01-Jul-14	36.80	$147,616	31.65	$0	$147,616	$0	14.40
24271740	Additional Torus Copper Stabilizer and SSC Cable tests for Coil #7	03-Sep-13	25-Nov-13	12.00	$0	0.00	$24,035	$24,035	$0	11.60
24271740M	FNAL Torus work complete		30-Sep-14	0.00	$0	0.00	$0	$0	$0	0.00
1.4.2.7.2 SOLENOID MAGNET NEW VENDOR		01-Jun-12	30-Sep-15	165.40	$130,330	46.01	$3,352,794	$3,666,692	$183,568	99.00
14271055	JLab Design and Support Labor FY12	01-Jun-12	28-Sep-12	16.80	$89,286	31.83	$0	$89,286	$0	4.00
14271060	JLab Design and Support Labor FY13	01-Oct-12	30-Aug-13	45.60	$41,044	14.18	$0	$41,044	$0	4.00
14271068M	Award Solenoid Contract	27-Nov-12		0.00	$0	0.00	$0	$0	$0	4.00
14271070	Vend Fab Solenoid - Peg Point #1 - Preliminary Design Review	27-Nov-12	29-Mar-13	16.20	$0	0.00	$199,085	$199,085	$0	4.00
14271075	Vend Fab Solenoid - Peg Point #2 - Intermediate Design Review	27-Nov-12	31-May-13	25.00	$0	0.00	$99,543	$99,543	$0	4.00
14271075a	Vend Fab Solenoid - Peg Point #3 - Final Design Review	27-Nov-12	28-Jun-13	29.00	$0	0.00	$99,543	$99,543	$0	4.00
14271075b	Vend Fab Solenoid - Final Design Review Incetive Fee	20-Dec-12	28-Jun-13	25.60	$0	0.00	$200,000	$200,000	$0	4.00
14271075c	Vend Fab Solenoid - Peg Point #4 - Winding and Potting Tooling	27-Nov-12	30-Aug-13	37.80	$0	0.00	$79,634	$79,634	$0	4.00
14271080	Machine Shop Effort	04-Mar-13	30-Aug-13	25.60	$0	0.00	$0	$183,568	$183,568	64.80
14271090	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($328,437)	($328,437)	$0	4.00
24272075	Vend Fab Solenoid - Peg Point #2 - Intermediate Design Review	03-Sep-13	31-Oct-13	8.60	$0	0.00	$49,772	$49,772	$0	3.40
24272075a	Vend Fab Solenoid - Peg Point #3 - Final Design Review	03-Sep-13	20-Dec-13	15.40	$0	0.00	$99,543	$99,543	$0	3.40
24272075b	Vend Fab Solenoid - Final Design Review Incetive Fee	03-Sep-13	20-Dec-13	15.40	$0	0.00	$200,000	$200,000	$0	3.40
24272075ba	De-Obligation of Vend Fab Solenoid - Final Design Review Incetive Fee	20-Dec-13	20-Dec-13	0.20	$0	0.00	($135,000)	($135,000)	$0	3.40
24272075c	Vend Fab Solenoid - Peg Point #4 - Winding and Potting Tooling	03-Sep-13	28-Feb-14	23.60	$0	0.00	$79,634	$79,634	$0	3.40
24272075d	Vend Fab Solenoid - Peg Point #5 - PSMM Fabrication and Testing	03-Sep-13	30-Jun-14	40.60	$0	0.00	$119,452	$119,452	$0	3.40
24272075f	Vend Fab Solenoid - MRR Incentive Fee	03-Sep-13	31-Jul-14	45.00	$0	0.00	$200,000	$200,000	$0	3.40
24272075g	Vend Fab Solenoid - Peg Point #6 - Coils Wound	03-Sep-13	29-Aug-14	49.20	$0	0.00	$199,085	$199,085	$0	3.40
24272075h	Vend Fab Solenoid - Peg Point #7 - Cryostat Materials and Components	03-Sep-13	30-Sep-14	53.40	$0	0.00	$298,628	$298,628	$0	3.40
24272075j	Vend Fab Solenoid - Peg Point #8 - Cold Mass Materials and Components	03-Sep-13	31-Oct-14	58.00	$0	0.00	$298,628	$298,628	$0	3.40
24272075k	Vend Fab Solenoid - Peg Point #9 - Assembly and Test	03-Sep-13	26-Nov-14	61.60	$0	0.00	$199,085	$199,085	$0	3.40
24272075n	Vend Fab Solenoid - Delivery Incentive Fee	03-Sep-13	26-Nov-14	61.60	$0	0.00	$600,000	$600,000	$0	3.40
24272075p	Vend Fab Solenoid - Peg Point #10 - Commissioning and Acceptance Test	03-Sep-13	30-Jun-15	89.80	$0	0.00	$199,085	$199,085	$0	11.60
24272075q	Vend Fab Solenoid - Peg Point #11 - Final Report and Closeout	03-Sep-13	30-Sep-15	102.60	$0	0.00	$199,085	$199,085	$0	11.60
24272075r	Vend Fab Solenoid - Peg Point #12 - Shipping Costs	03-Sep-13	30-Sep-15	102.60	$0	0.00	$6,000	$6,000	$0	11.60
24272080	Solenoid Outside Consulting FY13	03-Sep-13	31-Jan-14	19.60	$0	0.00	$178,380	$178,380	$0	121.20
24272085	Solenoid Outside Consulting FY14	03-Feb-14	23-Apr-15	61.00	$0	0.00	$180,000	$180,000	$0	121.20
24272405	Solenoid - Cable Testing	03-Sep-13	28-Feb-14	23.60	$0	0.00	$24,000	$24,000	$0	90.60
24272410	Consultant Fees WS	03-Sep-13	30-Sep-14	53.40	$0	0.00	$8,050	$8,050	$0	60.80
1.4.2.7.3 MAGNET INFRASTRUCTURE		01-Dec-11	31-Mar-14	114.80	$291,237	136.28	$1,722,350	$2,072,844	$59,257	174.00
14273000	Set up Solder Production line Labor Original	01-Dec-11	31-Jan-12	7.40	$64,912	32.06	$0	$64,912	$0	4.40
14273003	Set up Solder Production line Labor Revised	01-Feb-12	29-Jun-12	21.00	$35,088	17.33	$0	$35,088	$0	4.40
14273005	Set up Solder Production line Procurements	01-Dec-11	29-Feb-12	11.40	$0	0.00	$150,000	$150,000	$0	129.00
14273007	Shipping of Coductor to AES	29-Oct-12	27-Nov-12	4.00	$0	0.00	$10,319	$10,319	$0	4.40
14273008	Additional Cu Channel and Wagon wheel spools for Torus	15-Oct-12	31-Jan-13	14.00	$0	0.00	$54,691	$54,691	$0	7.40
14273010	Vend Fab Wave Solder of Torus and Solenoid Magnets Peg Point #1A-Soldering Setup ...	02-Jul-12	31-Jul-12	4.40	$0	0.00	$61,384	$61,384	$0	4.40
14273010A	Vend Fab Wave Solder of Torus and Solenoid Magnets Peg Point #1-Soldering Setup P...	17-Aug-12	28-Sep-12	6.00	$0	0.00	$38,616	$38,616	$0	4.40
14273010B	Vend Fab Wave Solder of Torus and Solenoid Magnets Peg Point #2-Procurement of M...	17-Aug-12	31-Oct-12	10.60	$0	0.00	$125,000	$125,000	$0	4.40
14273010C	Vend Fab Wave Solder of Torus and Solenoid Magnets Peg Point #3-Delivery of Torus ...	17-Aug-12	30-Nov-12	14.60	$0	0.00	$21,060	$21,060	$0	4.40
14273010D	Vend Fab Wave Solder of Torus and Solenoid Magnets Peg Point #4-Delivery of Torus ...	17-Aug-12	31-Jan-13	22.00	$0	0.00	$125,000	$125,000	$0	4.40
14273010G	Vend Fab Wave Solder of Torus and Solenoid Magnets Peg Point #5-Delivery of 1st set ...	17-Aug-12	29-Mar-13	30.00	$0	0.00	$92,985	$92,985	$0	4.40
14273010H	Vend Fab Wave Solder of Torus and Solenoid Magnets Peg Point #6-Delivery of 2nd set...	17-Aug-12	29-Mar-13	30.00	$0	0.00	$92,985	$92,985	$0	4.40
14273010J	Vend Fab Wave Solder of Torus and Solenoid Magnets Peg Point #7-Delivery of 3rd set ...	17-Aug-12	30-Apr-13	34.40	$0	0.00	$92,985	$92,985	$0	4.40
14273010K	Vend Fab Wave Solder of Torus and Solenoid Magnets Peg Point #8-Delivery of 4th set ...	17-Aug-12	28-Jun-13	42.80	$0	0.00	$92,985	$92,985	$0	4.40
14273011	Wave Solder of Torus and Solenoid Magnets Travel FY12	17-Aug-12	28-Sep-12	6.00	$13,397	6.30	$0	$23,197	$9,800	4.40
14273012	Wave Solder of Torus and Solenoid Magnets Travel FY13	01-Oct-12	28-Jun-13	36.80	$47,399	21.60	$0	$82,071	$34,672	4.40
14273014	Design/Build/Install guides and rollers for inlet/outlet of process	01-Aug-12	28-Sep-12	8.40	$3,176	1.50	$0	$3,676	$500	4.20
14273014A	Dial in the process settings - spooling and traverse speeds, manual control	01-Oct-12	26-Oct-12	4.00	$3,505	1.15	$0	$3,505	$0	4.20
14273014B	Unspool/Measure/Respool/Inspect	29-Oct-12	11-Dec-12	6.00	$19,261	10.50	$0	$19,261	$0	4.20
14273015	Cryostat Factory Setup	01-Oct-12	31-Dec-12	11.80	$84,970	36.94	$0	$84,970	$0	37.80



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Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
14273020	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$33,233	$33,233	$0	4.00
24273007	Shipping of Coductor to AES	03-Sep-13	31-Oct-13	8.60	$0	0.00	$8,874	$8,874	$0	105.60
24273010B	Vend Fab Wave Solder of Torus and Solenoid Magnets Peg Point #2-Procurement of M...	03-Sep-13	31-Oct-13	8.60	$0	0.00	$62,126	$62,126	$0	3.40
24273010H	Vend Fab Wave Solder of Torus and Solenoid Magnets Peg Point #6-Delivery of 2nd set...	03-Sep-13	31-Jan-14	19.60	$0	0.00	$60,934	$60,934	$0	3.40
24273010J	Vend Fab Wave Solder of Torus and Solenoid Magnets Peg Point #7-Delivery of 3rd set ...	03-Sep-13	28-Feb-14	23.60	$0	0.00	$60,934	$60,934	$0	3.40
24273010K	Vend Fab Wave Solder of Torus and Solenoid Magnets Peg Point #8-Delivery of 4th set ...	03-Sep-13	31-Mar-14	27.80	$0	0.00	$60,934	$60,934	$0	3.40
24273010N	Vend Fab Wave Solder of Torus and Solenoid Magnets Peg Point #9-Additional length a...	03-Sep-13	17-Mar-14	25.80	$0	0.00	$107,400	$107,400	$0	3.40
24273010P	Vend Fab Wave Solder of Torus and Solenoid Magnets Peg Point #10-Additional Reels ...	03-Sep-13	27-Nov-13	12.40	$0	0.00	$79,600	$79,600	$0	3.40
24273010Q	Vend Fab Wave Solder of Torus and Solenoid Magnets Peg Point #10-Conductor Cleani...	13-Feb-14	17-Mar-14	4.60	$0	0.00	$51,000	$51,000	$0	27.60
24273010R	Vend Fab Wave Solder of Torus and Solenoid Magnets New Scope	03-Sep-13	31-Mar-14	27.80	$0	0.00	$211,309	$211,309	$0	3.40
24273012	Wave Solder of Torus and Solenoid Magnets Travel FY13	03-Sep-13	30-Sep-13	4.00	$3,282	1.50	$0	$5,683	$2,401	90.40
24273012a	Wave Solder of Torus and Solenoid Magnets Travel FY14	01-Oct-13	03-Mar-14	19.80	$16,247	7.40	$0	$28,131	$11,884	90.40
24273017	Twente Cable Testing	03-Sep-13	20-Dec-13	15.40	$0	0.00	$12,272	$12,272	$0	98.80
24273022	Additional Cu for solenoid conductor - Procurment	03-Sep-13	14-Mar-14	25.60	$0	0.00	$15,500	$15,500	$0	88.60
24273027	Consultant Fees WS	03-Sep-13	20-Dec-13	15.40	$0	0.00	$225	$225	$0	186.40
1.4.2.7.4 TORUS CRYOSTAT FACTORY		30-Aug-13	14-Jul-15	92.20	$1,528,727	643.38	$195,792	$1,800,419	$75,900	22.60
1.4.2.7.4.1 DESIGN AND PROCEDURES		30-Aug-13	15-Nov-13	11.00	$12,472	4.26	$166,387	$178,859	$0	29.80
142741000	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$122,696	$122,696	$0	4.00
242741010	Cryostat Factory - Design lifting Fixtures and Procurement Prep (Historical)	03-Sep-13	05-Sep-13	0.60	$4,677	1.83	$0	$4,677	$0	39.80
242741020	Cryostat Factory - Perform tests for Torus Design - labor	03-Sep-13	16-Sep-13	2.00	$462	0.20	$0	$462	$0	38.40
242741030	Cryostat Factory - Write, review and sign welding Procedures	03-Sep-13	16-Sep-13	2.00	$531	0.16	$0	$531	$0	38.40
242741035	Cryostat Factory - Write, review and sign Incoming material QA Procedures FY13	03-Sep-13	30-Sep-13	4.00	$2,021	0.62	$0	$2,021	$0	34.00
242741035a	Cryostat Factory - Write, review and sign Incoming material QA Procedures FY14	01-Oct-13	16-Oct-13	2.40	$1,212	0.37	$0	$1,212	$0	34.00
242741040	Cryostat Factory - Write, review and sign material handling Procedures FY13	03-Sep-13	30-Sep-13	4.00	$260	0.07	$0	$260	$0	34.00
242741040a	Cryostat Factory - Write, review and sign material handling Procedures FY14	01-Oct-13	16-Oct-13	2.40	$156	0.04	$0	$156	$0	34.00
242741045	Cryostat Factory - Write, review and sign MLI application Procedures	03-Sep-13	16-Sep-13	2.00	$415	0.12	$0	$415	$0	38.40
242741050	Cryostat Factory - Write, review and sign OSP FY13	03-Sep-13	30-Sep-13	4.00	$591	0.18	$0	$591	$0	29.60
242741050a	Cryostat Factory - Write, review and sign OSP FY14	01-Oct-13	15-Nov-13	6.80	$1,004	0.30	$0	$1,004	$0	29.60
242741055	Cryostat Factory - Write, review and sign assembly procedures FY13	03-Sep-13	30-Sep-13	4.00	$714	0.22	$0	$714	$0	34.00
242741055a	Cryostat Factory - Write, review and sign assembly procedures FY14	01-Oct-13	16-Oct-13	2.40	$428	0.13	$0	$428	$0	34.00
242741065	Cryostat Factory - Orderfixtures, tables, tools, etc. for assembly Procurement	03-Sep-13	16-Oct-13	6.40	$0	0.00	$37,877	$37,877	$0	33.20
242741070	Cryostat Stand and Axle	03-Sep-13	30-Oct-13	8.40	$0	0.00	$5,814	$5,814	$0	31.20
242741070M	Cryostat factory fixtures and tooling in-house		30-Oct-13	0.00	$0	0.00	$0	$0	$0	31.20
242741075M	Torus Cryostat Factory Procedures In-place		15-Nov-13	0.00	$0	0.00	$0	$0	$0	29.60
1.4.2.7.4.2 PROTOTYPE		03-Sep-13	08-Jul-14	41.80	$670,656	257.13	$0	$686,556	$15,900	72.80
242742000	Cryostat Factory - Test Lifting Fixtures and Procedures with Wang Coil Case FY13	03-Sep-13	30-Sep-13	4.00	$16,253	6.02	$0	$18,440	$2,188	26.40
242742005	Cryostat Factory - Layout Assembly area for equipment and fixtures	03-Oct-13	09-Oct-13	1.00	$12,711	4.00	$0	$12,711	$0	31.20
242742010	Cryostat Factory - Install equipment and fixtures in factory area	03-Oct-13	05-Nov-13	4.80	$56,929	22.40	$0	$59,329	$2,400	31.20
242742015	Cryostat Factory - Test Lifting Fixtures and Procedures with Wang Coil Case FY14	01-Oct-13	16-Oct-13	2.40	$9,752	3.61	$0	$11,064	$1,313	26.40
242742015M	Cryostat Factory - Receive parts for proto cryostat		19-Mar-14	0.00	$0	0.00	$0	$0	$0	21.20
242742020	Cryostat Factory - Engineering oversight (Legg) FY13	03-Sep-13	30-Sep-13	4.00	$19,597	4.20	$0	$19,597	$0	90.40
242742020a	Cryostat Factory - Engineering oversight (Legg) FY14	01-Oct-13	03-Mar-14	19.80	$97,003	20.80	$0	$97,003	$0	90.40
242742025	Cryostat Factory - Mock-up of one quarter CCM	04-Oct-13	17-Jan-14	13.20	$38,319	18.00	$0	$38,319	$0	96.40
242742030	Cryostat Factory - Pre-assembly of CCM using Wang Coil case FY13	03-Sep-13	30-Sep-13	4.00	$13,436	6.40	$0	$13,436	$0	105.70
242742030a	Cryostat Factory - Pre-assembly of CCM using Wang Coil case FY14	01-Oct-13	31-Oct-13	4.50	$15,116	7.20	$0	$15,116	$0	105.70
242742035	Cryostat Factory - Initial reciept inspection of Coil Case MLI	17-Feb-14	28-Feb-14	2.00	$2,364	1.00	$0	$2,364	$0	20.20
242742040	Cryostat Factory - Initial receipt inspection (QA) of Coil case shields	18-Nov-13	19-Mar-14	15.40	$7,093	3.00	$0	$7,093	$0	22.80
242742045	Cryostat Factory - Pre-Assemble Seven Coil case shields	18-Nov-13	01-Apr-14	17.20	$82,754	35.00	$0	$82,754	$0	22.80
242742050	Cryostat Factory - Initial receipt inspection (QA) of Vacuum Vessel Parts	18-Dec-13	21-Apr-14	16.00	$5,503	3.00	$0	$5,503	$0	8.80
242742055	Cryostat Factory - Pre-Assemble Seven Vacuum Jackets	18-Dec-13	13-Jun-14	23.60	$65,448	32.50	$0	$65,448	$0	8.80
242742060M	Cryostat Factory - Receive 1st Article (CCM #1) coil cold case	25-Apr-14		0.00	$0	0.00	$0	$0	$0	9.00
242742065	Cryostat Factory - Assemble 1st Article (CCM #1) Coil Cryostat with cold mass (Receive,...	25-Apr-14	19-May-14	3.40	$52,024	22.00	$0	$55,358	$3,334	9.00
242742070	Cryostat Factory - Assemble 1st Article (CCM #1) Coil Cryostat with cold mass (MLI and ...	20-May-14	12-Jun-14	3.40	$66,212	28.00	$0	$69,545	$3,333	9.00
242742075	Cryostat Factory - Assemble 1st Article (CCM #1) Coil Cryostat with cold mass (Vac jack...	16-Jun-14	08-Jul-14	3.20	$56,753	24.00	$0	$60,086	$3,333	8.80
242742080	Cryostat Factory - Rewrite procedures and lessons learned from Proto	17-Oct-13	04-Mar-14	17.60	$53,389	16.00	$0	$53,389	$0	26.40
1.4.2.7.4.3 PRODUCTION		30-Aug-13	14-Jul-15	92.20	$845,599	382.00	$29,405	$935,004	$60,000	14.40
142743000	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$29,405	$29,405	$0	4.00

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Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
242743000M	Cryostat Factory - Receive production coil case #2	30-May-14		0.00	$0	0.00	$0	$0	$0	7.40
242743005	Cryostat Factory - Assemble Coil Cryostat #2 with cold mass (Receive, QA and Pre-ass...	29-May-14	27-Jun-14	4.40	$54,876	22.00	$0	$64,876	$10,000	7.40
242743010	Cryostat Factory - Assemble Coil Cryostat #2 with cold mass (MLI and LN2 shield asse...	30-Jun-14	23-Jul-14	3.40	$46,587	20.00	$0	$46,587	$0	7.40
242743015	Cryostat Factory - Assemble Coil Cryostat #2 with cold mass (Vac jacket weld up)	24-Jul-14	18-Aug-14	3.60	$22,469	10.00	$0	$22,469	$0	7.40
242743020M	Cryostat Factory - Receive production coil case #3	03-Jul-14		0.00	$0	0.00	$0	$0	$0	7.00
242743025	Cryostat Factory - Assemble Coil Cryostat #3 with cold mass (Receive, QA and Pre-ass...	03-Jul-14	28-Jul-14	3.40	$47,616	22.00	$0	$57,616	$10,000	7.00
242743030	Cryostat Factory - Assemble Coil Cryostat #3 with cold mass (MLI and LN2 shield asse...	29-Jul-14	20-Aug-14	3.40	$41,638	20.00	$0	$41,638	$0	7.00
242743035	Cryostat Factory - Assemble Coil Cryostat #3 with cold mass (Vac jacket weld up)	21-Aug-14	15-Sep-14	3.40	$22,469	10.00	$0	$22,469	$0	7.00
242743040M	Cryostat Factory - Receive production coil case #4	11-Aug-14		0.00	$0	0.00	$0	$0	$0	6.00
242743045	Cryostat Factory - Assemble Coil Cryostat #4 with cold mass (Receive, QA and Pre-ass...	11-Aug-14	29-Aug-14	3.00	$47,616	22.00	$0	$57,616	$10,000	6.00
242743050	Cryostat Factory - Assemble Coil Cryostat #4 with cold mass (MLI and LN2 shield asse...	02-Sep-14	22-Sep-14	3.00	$41,638	20.00	$0	$41,638	$0	6.00
242743055	Cryostat Factory - Assemble Coil Cryostat #4 with cold mass (Vac jacket weld up)	23-Sep-14	13-Oct-14	3.00	$22,469	10.00	$0	$22,469	$0	6.00
242743060M	Cryostat Factory - Receive production coil case #5	16-Sep-14		0.00	$0	0.00	$0	$0	$0	4.00
242743065	Cryostat Factory - Assemble Coil Cryostat #5 with cold mass (Receive, QA and Pre-ass...	16-Sep-14	06-Oct-14	3.00	$47,616	22.00	$0	$57,616	$10,000	4.00
242743070	Cryostat Factory - Assemble Coil Cryostat #5 with cold mass (MLI and LN2 shield asse...	07-Oct-14	27-Oct-14	3.00	$41,638	20.00	$0	$41,638	$0	4.00
242743075	Cryostat Factory - Assemble Coil Cryostat #5 with cold mass (Vac jacket weld up)	28-Oct-14	17-Nov-14	3.00	$22,469	10.00	$0	$22,469	$0	4.00
242743080M	Cryostat Factory - Receive production coil case #6	15-Oct-14		0.00	$0	0.00	$0	$0	$0	3.40
242743085	Cryostat Factory - Assemble Coil Cryostat #6 with cold mass (Receive, QA and Pre-ass...	15-Oct-14	04-Nov-14	3.00	$47,616	22.00	$0	$57,616	$10,000	3.40
242743090	Cryostat Factory - Assemble Coil Cryostat #6 with cold mass (MLI and LN2 shield asse...	05-Nov-14	25-Nov-14	3.00	$41,638	20.00	$0	$41,638	$0	3.40
242743095	Cryostat Factory - Assemble Coil Cryostat #6 with cold mass (Vac jacket weld up)	26-Nov-14	18-Dec-14	3.00	$22,469	10.00	$0	$22,469	$0	3.40
242743100M	Cryostat Factory - Receive production coil case #7	10-Apr-15		0.00	$0	0.00	$0	$0	$0	14.40
242743105	Cryostat Factory - Assemble Coil Cryostat #7 with cold mass (Receive, QA and Pre-ass...	10-Apr-15	30-Apr-15	3.00	$47,616	22.00	$0	$57,616	$10,000	14.40
242743110	Cryostat Factory - Assemble Coil Cryostat #7 with cold mass (MLI and LN2 shield asse...	01-May-15	21-May-15	3.00	$41,638	20.00	$0	$41,638	$0	14.40
242743115	Cryostat Factory - Assemble Coil Cryostat #7 with cold mass (Vac jacket weld up)	22-May-15	15-Jun-15	3.00	$22,469	10.00	$0	$22,469	$0	14.40
242743120	Cryostat Factory - Clean up And ship to site	15-May-15	14-Jul-15	8.00	$47,868	18.00	$0	$47,868	$0	14.40
242743125	Cryostat Factory - Rework	14-Feb-14	07-May-15	61.20	$115,187	52.00	$0	$115,187	$0	23.40
1.4.2.7.5 TORUS MAGNET DESIGN/PARTS		30-Aug-13	21-Oct-14	56.80	$520,835	145.13	$1,540,884	$2,061,719	$0	84.00
1.4.2.7.5.1 TORUS MAGNET DESIGN/PARTS		30-Aug-13	21-Oct-14	56.80	$520,835	145.13	$1,540,884	$2,061,719	$0	84.00
142751000	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$157,161	$157,161	$0	4.00
242751000L	Torus - Engineering Oversight FY13	03-Sep-13	30-Sep-13	4.00	$21,911	4.70	$0	$21,911	$0	84.00
242751005L	Torus - Engineering Oversight FY14	01-Oct-13	30-Sep-14	49.40	$275,176	59.00	$0	$275,176	$0	84.00
242751010	Vend Fab Additional Coil Case for Coil # 7	03-Sep-13	31-Mar-14	27.80	$0	0.00	$25,220	$25,220	$0	65.20
242751010L	Torus - Engineering Oversight FY15	01-Oct-14	21-Oct-14	3.00	$22,154	4.75	$0	$22,154	$0	84.00
242751020	Torus - 1st Article Coil Case Procurement	03-Sep-13	16-Sep-13	2.00	$0	0.00	$20,370	$20,370	$0	18.00
242751045	Torus - 6 Production Coil Cases Procurement	03-Sep-13	31-Mar-14	27.80	$0	0.00	$146,130	$146,130	$0	4.00
242751050	Torus - 4K MLI Modeling and Drafting	03-Sep-13	16-Sep-13	2.00	$994	0.50	$0	$994	$0	20.20
242751080	Torus - Vacuum Vessel Instrumentation Drafting	03-Sep-13	30-Sep-13	4.00	$1,074	0.54	$0	$1,074	$0	8.80
242751090	Torus - Vacuum Vessel Assembly Parts Procurement	02-Oct-13	29-Apr-14	27.80	$0	0.00	$250,000	$250,000	$0	8.80
242751110	Torus - Coil Case Shields Procurement Prep FY13	03-Sep-13	30-Sep-13	4.00	$789	0.27	$0	$789	$0	22.80
242751110a	Torus - Coil Case Shields Procurement Prep FY14	01-Oct-13	01-Nov-13	4.80	$947	0.33	$0	$947	$0	22.80
242751115	Torus - Coil Case Shields Procurement	04-Nov-13	31-Mar-14	19.00	$0	0.00	$144,610	$144,610	$0	22.80
242751120	Torus - Coil Case MLI Procurement Prep FY13	17-Sep-13	30-Sep-13	2.00	$658	0.23	$0	$658	$0	20.20
242751120a	Torus - Coil Case MLI Procurement Prep FY14	01-Oct-13	15-Nov-13	6.80	$2,237	0.77	$0	$2,237	$0	20.20
242751125	Torus - Coil Case MLI Procurement	18-Nov-13	28-Feb-14	12.80	$0	0.00	$21,000	$21,000	$0	20.20
242751145	Torus - Out Of Plane Supports - OOPS Procurement	16-Oct-13	28-Feb-14	17.40	$0	0.00	$140,000	$140,000	$0	23.60
242751150	Torus - Cold Hub - Magnet construction analysis	15-Oct-13	16-Dec-13	8.60	$2,431	0.84	$0	$2,431	$0	16.20
242751155	Torus - Cold Hub - Hub analysis with off design loads	03-Sep-13	16-Sep-13	2.00	$3,473	1.20	$0	$3,473	$0	11.80
242751160	Torus - Cold Hub - Hub Shield Modeling FY13	03-Sep-13	30-Sep-13	4.00	$514	0.18	$0	$514	$0	14.00
242751160a	Torus - Cold Hub - Hub Shield Modeling FY14	01-Oct-13	15-Nov-13	6.80	$875	0.30	$0	$875	$0	14.00
242751165	Torus - Cold Hub - Hub Shield straping for cooling design FY13	03-Sep-13	30-Sep-13	4.00	$187	0.06	$0	$187	$0	14.00
242751165a	Torus - Cold Hub - Hub Shield straping for cooling design FY14	01-Oct-13	27-Nov-13	8.40	$392	0.14	$0	$392	$0	14.00
242751170	Torus - Cold Hub - Hub shield final drafting	02-Dec-13	10-Jan-14	4.40	$2,894	1.00	$0	$2,894	$0	14.00
242751175	Torus - Cold Hub Procurement Prep	13-Jan-14	28-Feb-14	6.80	$2,894	1.00	$0	$2,894	$0	14.00
242751180	Torus - Cold Hub Procurement	03-Mar-14	30-May-14	12.80	$0	0.00	$19,180	$19,180	$0	14.00
242751185	Torus - Upstream Hex - 4K Beam Stress Analysis	03-Sep-13	13-Sep-13	1.80	$2,894	1.00	$0	$2,894	$0	18.20
242751190	Torus - Upstream Hex - Piping mounting design FY13	17-Sep-13	30-Sep-13	2.00	$795	0.40	$0	$795	$0	11.80
242751190a	Torus - Upstream Hex - Piping mounting design FY14	01-Oct-13	21-Oct-13	3.00	$1,193	0.60	$0	$1,193	$0	11.80

Primary Baseline | Remaining Work | Baseline Milestone
Actual Work | Critical Remaining Work | Milestone

TASK filter: All Activities

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Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
242751195	Torus - Upstream Hex - Coil to Coil lead force analysis and flexibility analysis	03-Sep-13	27-Sep-13	3.80	$1,447	0.50	$0	$1,447	$0	18.20
242751200	Torus - Upstream Hex - Recooler final design FY13	03-Sep-13	30-Sep-13	4.00	$1,265	0.64	$0	$1,265	$0	18.20
242751200a	Torus - Upstream Hex - Recooler final design FY14	01-Oct-13	01-Nov-13	4.80	$1,518	0.76	$0	$1,518	$0	18.20
242751205	Torus - Upstream Hex - Recooler Mounting FY13	03-Sep-13	30-Sep-13	4.00	$326	0.16	$0	$326	$0	18.20
242751205a	Torus - Upstream Hex - Recooler Mounting FY14	01-Oct-13	01-Nov-13	4.80	$390	0.20	$0	$390	$0	18.20
242751210	Torus - Upstream Hex - Recooler Drafting	04-Nov-13	27-Nov-13	3.60	$1,790	0.90	$0	$1,790	$0	21.00
242751215	Torus - Upstream Hex - Splice design and tooling design FY13	03-Sep-13	30-Sep-13	4.00	$1,060	0.53	$0	$1,060	$0	18.20
242751215a	Torus - Upstream Hex - Splice design and tooling design FY14	01-Oct-13	15-Nov-13	6.80	$1,803	0.91	$0	$1,803	$0	18.20
242751220	Torus - Upstream Hex - Piping flexibility analysis	03-Sep-13	27-Sep-13	3.80	$2,026	0.70	$0	$2,026	$0	11.80
242751225	Torus - Upstream Hex - Shield final design and Drafting	04-Nov-13	27-Nov-13	3.60	$5,408	2.72	$0	$5,408	$0	11.80
242751230	Torus - Upstream Hex - VJ final design and Drafting	04-Nov-13	15-Jan-14	8.60	$4,883	2.00	$0	$4,883	$0	11.80
242751235	Torus - Upstream Hex Assembly Parts Procurement Prep	02-Dec-13	22-Jan-14	5.80	$2,894	1.00	$0	$2,894	$0	11.80
242751240	Torus - Upstream Hex Assembly Parts Procurement	23-Jan-14	16-Jun-14	20.40	$0	0.00	$98,477	$98,477	$0	11.80
242751245	Torus - Recooler Procurement Prep	02-Dec-13	13-Jan-14	4.60	$2,894	1.00	$0	$2,894	$0	21.00
242751250	Torus - Recooler Procurement	14-Jan-14	10-Apr-14	12.40	$0	0.00	$64,348	$64,348	$0	21.00
242751255	Torus - Upstream Hex MLI Procurement Prep	10-Feb-14	07-Mar-14	4.00	$2,894	1.00	$0	$2,894	$0	36.80
242751260	Torus - Upstream Hex MLI Procurement	10-Mar-14	30-May-14	11.80	$0	0.00	$6,000	$6,000	$0	36.80
242751265	Torus - Downstream Hex - 4K beam Stress Analysis	14-Oct-13	25-Oct-13	2.00	$5,789	2.00	$0	$5,789	$0	18.20
242751270	Torus - Downstream Hex - 4K piping analysis	11-Nov-13	15-Nov-13	1.00	$2,894	1.00	$0	$2,894	$0	18.20
242751275	Torus - Downstream Hex - Shield final design and Drafting	08-Nov-13	16-Dec-13	5.00	$6,761	3.40	$0	$6,761	$0	18.20
242751280	Torus - Downstream Hex - VJ final design and Drafting	25-Nov-13	13-Dec-13	2.60	$4,883	2.00	$0	$4,883	$0	18.20
242751285	Torus - Downstream Hex Assembly Parts Procurement Prep	16-Dec-13	22-Jan-14	3.80	$2,894	1.00	$0	$2,894	$0	18.20
242751290	Torus - Downstream Hex Assembly Parts Procurement	25-Nov-13	30-Apr-14	20.40	$0	0.00	$72,129	$72,129	$0	18.20
242751295	Torus - Downstream Hex MLI Procurement Prep	10-Feb-14	07-Mar-14	4.00	$2,894	1.00	$0	$2,894	$0	36.80
242751300	Torus - Downstream Hex MLI Procurement	07-Mar-14	30-May-14	12.00	$0	0.00	$6,000	$6,000	$0	36.80
242751305	Torus - Misc Hex MLI Procurement Prep	10-Feb-14	07-Mar-14	4.00	$2,894	1.00	$0	$2,894	$0	36.80
242751310	Torus - Misc Hex MLI Procurement	10-Mar-14	30-May-14	11.80	$0	0.00	$6,000	$6,000	$0	36.80
242751315	Torus - Supply-Return Header to DS ring - Modeling	17-Jan-14	21-Feb-14	5.00	$2,894	1.00	$0	$2,894	$0	29.00
242751320	Torus - Supply-Return Header to DS ring - Piping flexibility analysis	17-Jan-14	21-Feb-14	5.00	$2,894	1.00	$0	$2,894	$0	29.00
242751325	Torus - Supply-Return Header to DS ring - Modeling/Drafting	24-Feb-14	14-Mar-14	3.00	$3,977	2.00	$0	$3,977	$0	29.00
242751330	Torus - Supply-Return Header Procurement Prep	17-Mar-14	02-May-14	7.00	$2,894	1.00	$0	$2,894	$0	29.00
242751335	Torus - Supply-Return Header Procurement	05-May-14	30-Jun-14	8.00	$0	0.00	$8,000	$8,000	$0	29.00
242751345	Torus - Main Cold mass support system - Supports Analyses	03-Sep-13	30-Sep-13	4.00	$1,158	0.40	$0	$1,158	$0	5.00
242751350	Torus - Main Cold mass support system - Supports Modeling FY13	03-Sep-13	30-Sep-13	4.00	$398	0.20	$0	$398	$0	5.00
242751350a	Torus - Main Cold mass support system - Supports Modeling FY14	01-Oct-13	28-Oct-13	4.00	$398	0.20	$0	$398	$0	5.00
242751355	Torus - Main Cold mass support system - Supports Drafting FY13	03-Sep-13	30-Sep-13	4.00	$795	0.40	$0	$795	$0	5.00
242751355a	Torus - Main Cold mass support system - Supports Drafting FY14	01-Oct-13	28-Oct-13	4.00	$795	0.40	$0	$795	$0	5.00
242751360	Torus - Main Cold mass support system - Attachment to Floor Engineering	12-Dec-13	13-Jan-14	3.00	$8,683	3.00	$0	$8,683	$0	5.00
242751365	Torus - Main Cold mass support system - Attachment to Floor Modeling and Drafting	14-Jan-14	03-Feb-14	2.80	$8,683	3.00	$0	$8,683	$0	5.00
242751370	Torus - CM Support Assembly Parts Procurement Prep	04-Feb-14	14-Mar-14	5.80	$2,894	1.00	$0	$2,894	$0	17.60
242751375	Torus - CM Support Assembly Parts Procurement	17-Mar-14	30-Jun-14	15.00	$0	0.00	$66,000	$66,000	$0	17.60
242751380	Torus - Torus Support to Hall floor Assembly Procurement Prep	06-Feb-14	10-Mar-14	4.60	$2,894	1.00	$0	$2,894	$0	17.80
242751385	Torus - Torus Support to Hall floor Assembly Procurement	11-Mar-14	30-May-14	11.60	$0	0.00	$75,000	$75,000	$0	17.80
242751390	Torus - Installation Design - Develop Installation Tooling Design	02-Jan-14	28-Feb-14	8.20	$11,578	4.00	$0	$11,578	$0	5.00
242751395	Torus - Installation Design - Model Installation Tooling	03-Feb-14	28-Feb-14	4.00	$11,578	4.00	$0	$11,578	$0	5.00
242751400	Torus - Installation Design - Analyze Installation Tooling	03-Feb-14	14-Mar-14	6.00	$5,789	2.00	$0	$5,789	$0	5.00
242751405	Torus - Installation Design - Installation Tooling Drafting	17-Mar-14	04-Apr-14	3.00	$5,965	3.00	$0	$5,965	$0	5.00
242751410	Torus - Installation Design - Develop Scaffolding Design	07-Apr-14	18-Apr-14	2.00	$3,977	2.00	$0	$3,977	$0	9.00
242751415	Torus - Installation Design - Develop procedures and safety documentation	03-Mar-14	07-Apr-14	5.20	$26,918	9.30	$0	$26,918	$0	21.60
242751420	Torus - Installation Parts Procurement Prep	07-Apr-14	12-May-14	5.20	$2,894	1.00	$0	$2,894	$0	5.00
242751425	Torus - LOV analyses - 4K piping analysis FY13	03-Sep-13	30-Sep-13	4.00	$1,182	0.41	$0	$1,182	$0	104.20
242751425a	Torus - LOV analyses - 4K piping analysis FY14	01-Oct-13	08-Nov-13	5.80	$1,713	0.59	$0	$1,713	$0	104.20
242751430	Torus - LOV analyses - LN2 Piping FY13	10-Sep-13	30-Sep-13	3.00	$965	0.33	$0	$965	$0	104.20
242751430a	Torus - LOV analyses - LN2 Piping FY14	01-Oct-13	11-Nov-13	6.00	$1,930	0.67	$0	$1,930	$0	104.20
242751435	Torus - LOV analyses - Service module FY13	17-Sep-13	30-Sep-13	2.00	$724	0.25	$0	$724	$0	104.20
242751435a	Torus - LOV analyses - Service module FY14	01-Oct-13	11-Nov-13	6.00	$2,171	0.75	$0	$2,171	$0	104.20
242751440	Torus - Installation Parts Procurement (90K Accounted for Cryo Jumpers)	13-May-14	29-Aug-14	15.40	$0	0.00	$180,000	$180,000	$0	5.00

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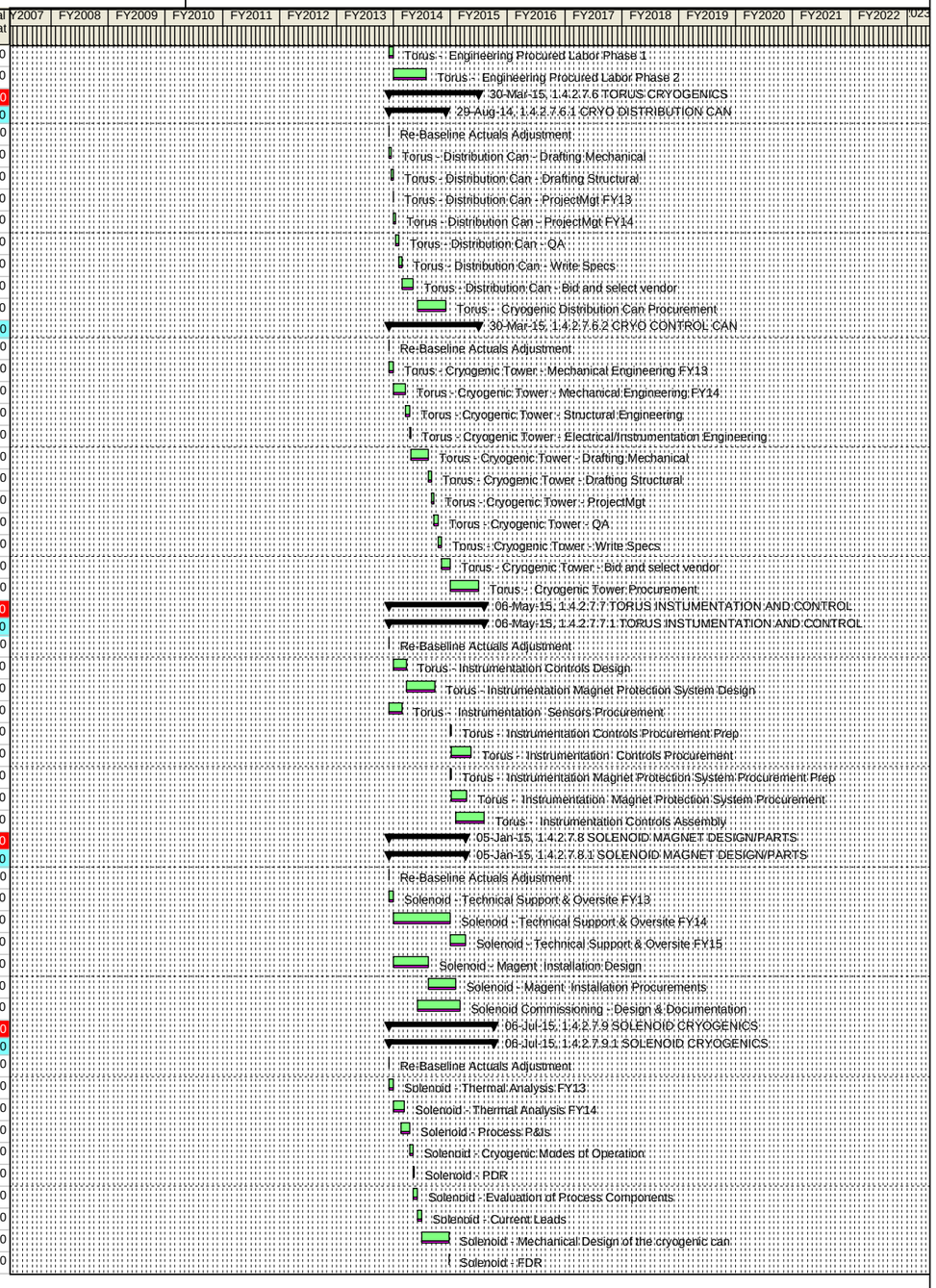
Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
242751445	Torus - Engineering Procured Labor Phase 1	03-Sep-13	30-Sep-13	4.00	$0	0.00	$35,259	$35,259	$0	82.00
242751450	Torus - Engineering Procured Labor Phase 2	01-Oct-13	30-Apr-14	28.20	$0	0.00	$0	$0	$0	82.00
1.4.2.7.6 TORUS CRYOGENICS		30-Aug-13	30-Mar-15	77.60	$155,630	60.90	$749,433	$905,063	$0	7.60
1.4.2.7.6.1 CRYO DISTRIBUTION CAN		30-Aug-13	29-Aug-14	49.60	$36,789	13.90	$383,976	$420,765	$0	30.80
142761000	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$22,530	$22,530	$0	4.00
242761000	Torus - Distribution Can - Drafting Mechanical	03-Sep-13	17-Sep-13	2.20	$4,374	2.20	$0	$4,374	$0	30.60
242761005	Torus - Distribution Can - Drafting Structural	18-Sep-13	27-Sep-13	1.60	$3,181	1.60	$0	$3,181	$0	30.60
242761010	Torus - Distribution Can - ProjectMgt FY13	30-Sep-13	30-Sep-13	0.20	$556	0.19	$0	$556	$0	30.60
242761010a	Torus - Distribution Can - ProjectMgt FY14	01-Oct-13	16-Oct-13	2.40	$6,680	2.31	$0	$6,680	$0	30.60
242761015	Torus - Distribution Can - QA	17-Oct-13	04-Nov-13	2.60	$7,525	2.60	$0	$7,525	$0	30.60
242761020	Torus - Distribution Can - Write Specs	05-Nov-13	25-Nov-13	3.00	$8,683	3.00	$0	$8,683	$0	30.60
242761025	Torus - Distribution Can - Bid and select vendor	26-Nov-13	04-Feb-14	8.00	$5,789	2.00	$0	$5,789	$0	30.60
242761030	Torus - Cryogenic Distribution Can Procurement	03-Mar-14	29-Aug-14	25.60	$0	0.00	$361,446	$361,446	$0	30.60
1.4.2.7.6.2 CRYO CONTROL CAN		30-Aug-13	30-Mar-15	77.60	$118,841	47.00	$365,457	$484,298	$0	7.60
142762000	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$4,011	$4,011	$0	4.00
242762000	Torus - Cryogenic Tower - Mechanical Engineering FY13	03-Sep-13	30-Sep-13	4.00	$11,578	4.00	$0	$11,578	$0	7.60
242762000a	Torus - Cryogenic Tower - Mechanical Engineering FY14	01-Oct-13	18-Dec-13	11.00	$31,838	11.00	$0	$31,838	$0	7.60
242762005	Torus - Cryogenic Tower - Structural Engineering	19-Dec-13	13-Jan-14	2.00	$5,789	2.00	$0	$5,789	$0	7.60
242762010	Torus - Cryogenic Tower - Electrical/Instrumentation Engineering	14-Jan-14	21-Jan-14	1.00	$2,912	1.00	$0	$2,912	$0	7.60
242762015	Torus - Cryogenic Tower - Drafting Mechanical	22-Jan-14	13-May-14	16.00	$31,814	16.00	$0	$31,814	$0	7.60
242762020	Torus - Cryogenic Tower - Drafting Structural	14-May-14	04-Jun-14	3.00	$5,965	3.00	$0	$5,965	$0	7.60
242762025	Torus - Cryogenic Tower - ProjectMgt	05-Jun-14	18-Jun-14	2.00	$5,789	2.00	$0	$5,789	$0	7.60
242762030	Torus - Cryogenic Tower - QA	19-Jun-14	10-Jul-14	3.00	$8,683	3.00	$0	$8,683	$0	7.60
242762035	Torus - Cryogenic Tower - Write Specs	11-Jul-14	31-Jul-14	3.00	$8,683	3.00	$0	$8,683	$0	7.60
242762040	Torus - Cryogenic Tower - Bid and select vendor	01-Aug-14	26-Sep-14	8.00	$5,789	2.00	$0	$5,789	$0	7.60
242762045	Torus - Cryogenic Tower Procurement	29-Sep-14	30-Mar-15	24.00	$0	0.00	$361,446	$361,446	$0	7.60
1.4.2.7.7 TORUS INSTUMENTATION AND CONTROL		30-Aug-13	06-May-15	83.00	$247,150	120.48	$489,848	$736,997	$0	17.00
1.4.2.7.7.1 TORUS INSTUMENTATION AND CONTROL		30-Aug-13	06-May-15	83.00	$247,150	120.48	$489,848	$736,997	$0	17.00
142771000	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$39,182	$39,182	$0	4.00
242771000	Torus - Instrumentation Controls Design	02-Oct-13	19-Dec-13	11.00	$21,780	10.08	$0	$21,780	$0	47.20
242771005	Torus - Instrumentation Magnet Protection System Design	20-Dec-13	19-Jun-14	24.00	$90,442	41.00	$0	$90,442	$0	47.20
242771010	Torus - Instrumentation Sensors Procurement	03-Sep-13	25-Nov-13	12.00	$0	0.00	$145,500	$145,500	$0	28.40
242771015	Torus - Instrumentation Controls Procurement Prep	01-Oct-14	07-Oct-14	1.00	$2,912	1.00	$0	$2,912	$0	11.00
242771020	Torus - Instrumentation Controls Procurement	08-Oct-14	11-Feb-15	16.00	$0	0.00	$35,000	$35,000	$0	11.00
242771025	Torus - Instrumentation Magnet Protection System Procurement Prep	01-Oct-14	07-Oct-14	1.00	$2,912	1.00	$0	$2,912	$0	33.00
242771030	Torus - Instrumentation Magnet Protection System Procurement	08-Oct-14	13-Jan-15	12.00	$0	0.00	$270,166	$270,166	$0	33.00
242771035	Torus - Instrumentation Controls Assembly	05-Nov-14	06-May-15	24.00	$129,102	67.40	$0	$129,102	$0	11.00
1.4.2.7.8 SOLENOID MAGNET DESIGN/PARTS		30-Aug-13	05-Jan-15	66.00	$542,860	136.17	$132,283	$722,827	$47,685	136.20
1.4.2.7.8.1 SOLENOID MAGNET DESIGN/PARTS		30-Aug-13	05-Jan-15	66.00	$542,860	136.17	$132,283	$722,827	$47,685	136.20
142781000	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$92,283	$92,283	$0	4.00
242781000L	Solenoid - Technical Support & Oversite FY13	03-Sep-13	30-Sep-13	4.00	$25,668	5.50	$0	$28,353	$2,685	11.60
242781005L	Solenoid - Technical Support & Oversite FY14	01-Oct-13	30-Sep-14	49.40	$314,820	67.50	$0	$349,820	$35,000	11.60
242781010L	Solenoid - Technical Support & Oversite FY15	01-Oct-14	05-Jan-15	11.80	$56,761	12.17	$0	$66,761	$10,000	136.60
242781015	Solenoid - Magent Installation Design	01-Oct-13	12-May-14	29.80	$121,166	45.00	$0	$121,166	$0	26.60
242781020	Solenoid - Magent Installation Procurements	13-May-14	30-Oct-14	24.00	$0	0.00	$40,000	$40,000	$0	26.60
242781025	Solenoid Commissioning - Design & Documentation	05-Mar-14	01-Dec-14	37.80	$24,445	6.00	$0	$24,445	$0	52.40
1.4.2.7.9 SOLENOID CRYOGENICS		30-Aug-13	06-Jul-15	91.00	$174,271	68.40	$292,843	$517,114	$50,000	0.60
1.4.2.7.9.1 SOLENOID CRYOGENICS		30-Aug-13	06-Jul-15	91.00	$174,271	68.40	$292,843	$517,114	$50,000	0.60
142791000	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$5,843	$5,843	$0	4.00
242791000	Solenoid - Thermal Analysis FY13	03-Sep-13	30-Sep-13	4.00	$11,578	4.00	$0	$11,578	$0	0.60
242791000a	Solenoid - Thermal Analysis FY14	01-Oct-13	11-Dec-13	10.00	$28,944	10.00	$0	$28,944	$0	0.60
242791005	Solenoid - Process P&Is	19-Nov-13	13-Jan-14	6.00	$14,648	6.00	$0	$14,648	$0	0.60
242791010	Solenoid - Cryogenic Modes of Operation	14-Jan-14	04-Feb-14	3.00	$8,683	3.00	$0	$8,683	$0	0.60
242791015	Solenoid - PDR	05-Feb-14	07-Feb-14	0.60	$1,737	0.60	$0	$1,737	$0	0.60
242791020	Solenoid - Evaluation of Process Components	03-Feb-14	28-Feb-14	4.00	$9,458	4.00	$0	$9,458	$0	0.60
242791025	Solenoid - Current Leads	03-Mar-14	02-Apr-14	4.60	$10,876	4.60	$0	$10,876	$0	0.60
242791030	Solenoid - Mechanical Design of the cryogenic can	03-Apr-14	22-Sep-14	24.00	$56,746	24.00	$0	$56,746	$0	0.60
242791035	Solenoid - FDR	23-Sep-14	23-Sep-14	0.20	$579	0.20	$0	$579	$0	0.60



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Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
242791040	Solenoid Cryogenics - Write Specifications	24-Sep-14	14-Oct-14	3.00	$8,683	3.00	$0	$8,683	$0	0.60
242791045	Solenoid Cryogenics - Bid cycle, review and award	15-Oct-14	11-Dec-14	8.00	$5,789	2.00	$0	$5,789	$0	0.60
242791050	Solenoid Cryogenics - Procurement	12-Dec-14	13-May-15	20.00	$0	0.00	$287,000	$337,000	$50,000	0.60
242791055	Solenoid cryogenics - Installation and Commissioning	14-May-15	05-Jun-15	3.00	$7,093	3.00	$0	$7,093	$0	0.60
242791060	Solenoid cryogenics - Test of system	08-Jun-15	06-Jul-15	4.00	$9,458	4.00	$0	$9,458	$0	0.60
1.4.2.7.10 SOLENOID INSTRUMENTATION AND CONTROLS		30-Aug-13	17-Feb-15	72.00	$249,130	121.40	$342,582	$591,712	$0	19.40
1.4.2.7.10.1 SOLENOID INSTRUMENTATION AND CONTROLS		30-Aug-13	17-Feb-15	72.00	$249,130	121.40	$342,582	$591,712	$0	19.40
1427.10000	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$4,332	$4,332	$0	4.00
242710.1000	Solenoid - Instrumentation Magnet Protection System Design	16-Dec-13	13-Jun-14	24.00	$90,442	41.00	$0	$90,442	$0	37.40
242710.1005	Solenoid - Instrumentation Magnet Protection System Procurement Prep	16-Jun-14	20-Jun-14	1.00	$2,912	1.00	$0	$2,912	$0	37.40
242710.1010	Solenoid - Instrumentation Magnet Protection System Procurement	23-Jun-14	16-Sep-14	12.00	$0	0.00	$303,250	$303,250	$0	37.40
242710.1015	Solenoid - Instrumentation Controls Design FY13	03-Sep-13	30-Sep-13	4.00	$6,600	3.06	$0	$6,600	$0	19.60
242710.1015a	Solenoid - Instrumentation Controls Design FY14	01-Oct-13	13-Dec-13	10.40	$17,160	7.94	$0	$17,160	$0	19.60
242710.1020	Solenoid - Instrumentation Controls Procurement Prep	16-Dec-13	20-Dec-13	1.00	$2,912	1.00	$0	$2,912	$0	19.60
242710.1025	Solenoid - Instrumentation Controls Procurement	02-Jan-14	23-Apr-14	15.80	$0	0.00	$35,000	$35,000	$0	19.60
242710.1030	Solenoid - Instrumentation Controls Assembly	20-Jun-14	17-Feb-15	32.00	$129,102	67.40	$0	$129,102	$0	19.60
1.4.2.7.11 TORUS RISK MITIGATION		03-Sep-13	09-Apr-15	79.00	$291,136	89.00	$1,122,116	$1,469,252	$56,000	35.60
1.4.2.7.11.1 ADDITIONAL FNAL COILS FOR TORUS RISK MITIGATION		01-Oct-13	26-Nov-14	57.80	$55,968	12.00	$256,270	$312,238	$0	14.60
242711.1000	Additional FNAL Oversight	02-Jul-14	31-Oct-14	17.20	$55,968	12.00	$0	$55,968	$0	14.40
242711.1005	FNAL - Fabricate Prototype CCM	01-Oct-13	31-Mar-14	23.80	$0	0.00	$128,135	$128,135	$0	11.60
242711.1010	FNAL - Fabricate CCM #7	01-Oct-13	26-Nov-14	57.60	$0	0.00	$128,135	$128,135	$0	14.40
1.4.2.7.11.2 ADDITIONAL COIL CASE AND HARDWARE FOR TORUS RISK MITIGATION		03-Sep-13	20-Dec-13	15.40	$0	0.00	$45,350	$45,350	$0	91.00
242711.2005	Vend Fab 1 Set of Additional Hardware for Cryostat (Cold Mass Shiled, OOPS, Axial Su...	03-Sep-13	20-Dec-13	15.40	$0	0.00	$45,350	$45,350	$0	90.60
1.4.2.7.11.3 COIL LN2 TESTING FOR TORUS RISK MITIGATION		03-Sep-13	26-Nov-14	61.80	$170,808	61.00	$29,500	$216,308	$16,000	14.60
242711.3000	LN2 TEST - Procurements Preperation FY13	03-Sep-13	30-Sep-13	4.00	$3,017	0.93	$0	$3,017	$0	22.10
242711.3000a	LN2 TEST - Procurements Preperation FY14	01-Oct-13	01-Nov-13	4.70	$3,469	1.07	$0	$3,469	$0	22.10
242711.3005	LN2 TEST - Preliminary system set up and integration (One coil LN2 Test) Procurements	01-Oct-13	26-Nov-13	8.00	$0	0.00	$29,500	$29,500	$0	24.30
242711.3010	LN2 TEST - Mounting of Q heaters and wiring	01-Oct-13	23-Oct-13	3.20	$14,793	5.00	$0	$14,793	$0	22.10
242711.3015	LN2 TEST - Instrumentation general and wiring layout and cabling	23-Oct-13	07-Nov-13	2.20	$10,639	3.50	$0	$10,639	$0	22.10
242711.3020	LN2 TEST - HV/LV Feedthrough and wirng	07-Nov-13	13-Dec-13	4.80	$18,436	7.00	$0	$18,436	$0	22.10
242711.3025	LN2 TEST - Preliminary system set up and integration (One coil LN2 Test) Labor	23-Oct-13	05-Dec-13	5.80	$20,768	7.50	$0	$20,768	$0	23.30
242711.3030	LN2 TEST - LN2 Testing of Prototype Coil	11-Mar-14	24-Mar-14	2.00	$12,461	4.50	$0	$14,461	$2,000	11.60
242711.3035	LN2 TEST - LN2 Testing of CCM #1	11-Apr-14	24-Apr-14	2.00	$12,461	4.50	$0	$14,461	$2,000	9.00
242711.3040	LN2 TEST - LN2 Testing of CCM #2	15-May-14	29-May-14	2.00	$12,461	4.50	$0	$14,461	$2,000	7.40
242711.3045	LN2 TEST - LN2 Testing of CCM #3	19-Jun-14	02-Jul-14	2.00	$12,461	4.50	$0	$14,461	$2,000	7.00
242711.3050	LN2 TEST - LN2 Testing of CCM #4	28-Jul-14	08-Aug-14	2.00	$12,461	4.50	$0	$14,461	$2,000	6.00
242711.3055	LN2 TEST - LN2 Testing of CCM #5	02-Sep-14	15-Sep-14	2.00	$12,461	4.50	$0	$14,461	$2,000	4.00
242711.3060	LN2 TEST - LN2 Testing of CCM #6	01-Oct-14	14-Oct-14	2.00	$12,461	4.50	$0	$14,461	$2,000	3.40
242711.3065	LN2 TEST - LN2 Testing of CCM #7	13-Nov-14	26-Nov-14	2.00	$12,461	4.50	$0	$14,461	$2,000	14.40
1.4.2.7.11.4 ADDITIONAL COPPER SSC AND SOLDERING FOR TORUS RISK MITIGATION		03-Sep-13	06-Feb-14	20.80	$8,392	4.00	$102,996	$111,388	$0	15.20
242711.4005	Solder condutor for Prototype Coil - Procurement	03-Sep-13	04-Nov-13	9.00	$0	0.00	$51,498	$51,498	$0	11.60
242711.4005a	Solder condutor for Prototype Coil Labor FY13	03-Sep-13	30-Sep-13	4.00	$1,625	0.89	$0	$1,625	$0	11.60
242711.4005b	Solder condutor for Prototype Coil Labor FY14	01-Oct-13	04-Nov-13	5.00	$2,031	1.11	$0	$2,031	$0	11.60
242711.4010	Solder condutor for Coil #7	05-Nov-13	06-Feb-14	11.40	$4,736	2.00	$51,498	$56,234	$0	15.40
1.4.2.7.11.5 SECLAY COIL COLD TESTING FOR TORUS RISK MITIGATION		03-Sep-13	09-Apr-15	79.00	$55,968	12.00	$688,000	$783,968	$40,000	35.60
242711.5000	Saclay Cold Tests - Contract Preperation	03-Sep-13	13-Sep-13	1.80	$9,328	2.00	$0	$9,328	$0	45.80
242711.5005	Saclay Cold Tests - Kickoff Meeting	01-Nov-13	27-Nov-13	3.80	$9,328	2.00	$0	$19,328	$10,000	69.20
242711.5010	Saclay Cold Tests - Oversight Expenses and Labor FY13	03-Sep-13	30-Sep-13	4.00	$2,182	0.47	$0	$3,936	$1,754	45.80
242711.5010a	Saclay Cold Tests - Oversight Expenses and Labor FY14	01-Oct-13	30-Sep-14	49.40	$26,947	5.78	$0	$48,614	$21,667	45.80
242711.5010b	Saclay Cold Tests - Oversight Expenses and Labor FY15	01-Oct-14	28-Jan-15	15.00	$8,183	1.75	$0	$14,762	$6,579	45.80
242711.5015	Saclay Cold Tests - Facility Set-up Phase #1	01-Nov-13	30-Apr-14	23.60	$0	0.00	$100,000	$100,000	$0	69.20
242711.5020	Saclay Cold Tests - Facility Set-up Phase #2	01-Nov-13	30-Apr-14	23.60	$0	0.00	$328,000	$328,000	$0	69.20
242711.5025	Saclay Cold Tests - Cryogenic Tests of Prototype Coil	02-Apr-14	31-Jul-14	17.00	$0	0.00	$130,000	$130,000	$0	69.20
242711.5030	Saclay Cold Tests - Cryogenic Tests of Coil #7	01-Dec-14	09-Apr-15	17.00	$0	0.00	$130,000	$130,000	$0	14.40
1.4.3 CONSTRUCTION HALL C		02-Jan-09	03-Feb-16	351.00	$6,436,541	2871.80	$20,796,244	$28,519,967	$1,287,182	83.00
1.4.3.1 MAGNET		02-Jan-09	03-Feb-16	351.00	$2,234,635	897.03	$14,972,824	$17,753,329	$545,870	83.00
1.4.3.1.1 HB MAGNET		14-Oct-09	05-Jan-15	258.20	$198,126	79.32	$1,792,063	$2,038,474	$48,285	136.20
14311000M	HB- Award Contract for HB Mag	14-Oct-09*		0.00	$0	0.00	$0	$0	$0	0.00
14311002	HB- Contractor Expenses (FROZEN by CR10-063)	14-Oct-09	10-Nov-09	4.00	$0	0.00	$18,679	$18,679	$0	39.00

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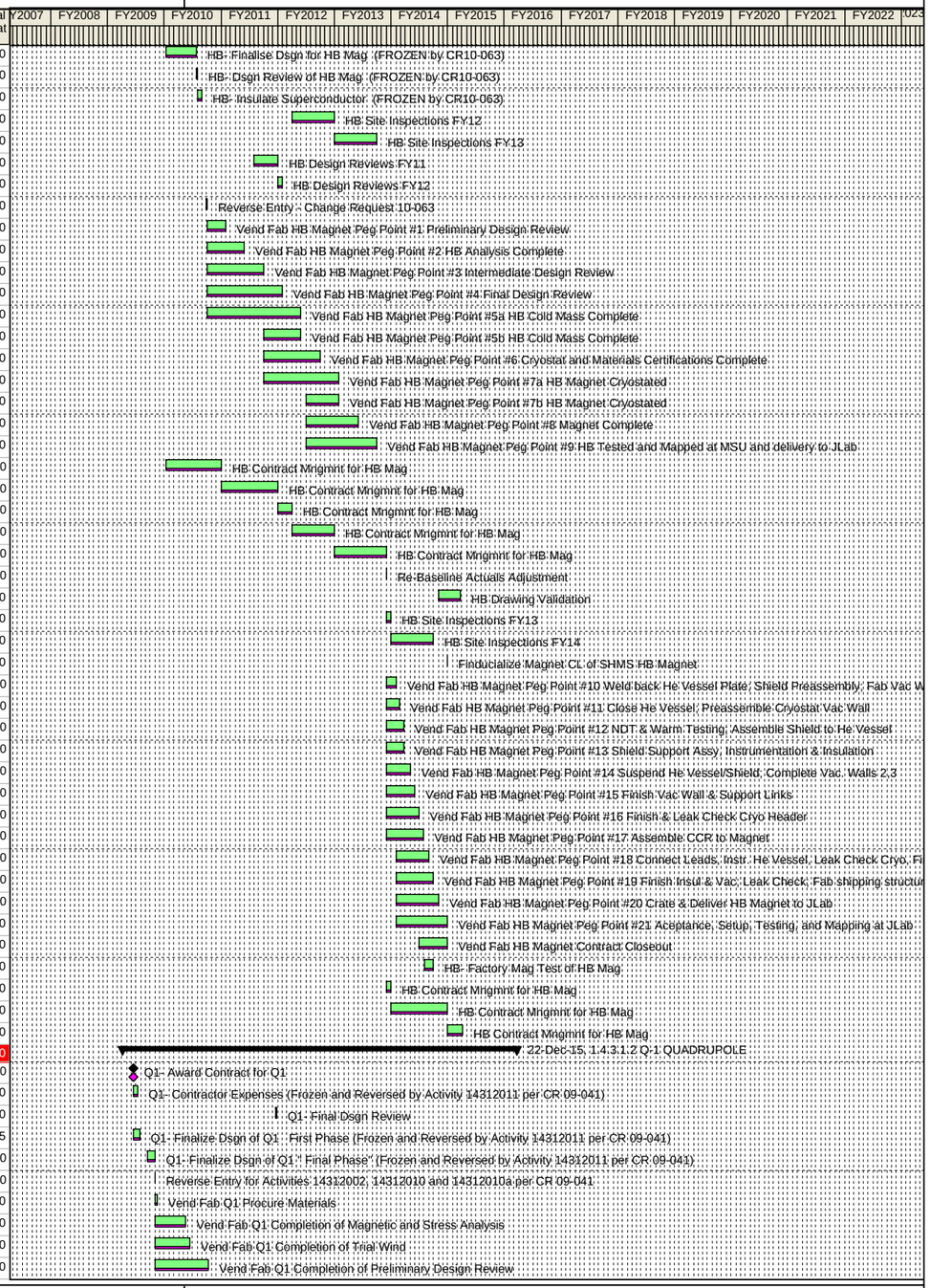
Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
14311005	HB- Finalise Dsgn for HB Mag (FROZEN by CR10-063)	14-Oct-09	27-Apr-10	26.00	$0	0.00	$92,438	$96,833	$4,395	17.00
14311010	HB- Dsgn Review of HB Mag (FROZEN by CR10-063)	28-Apr-10	04-May-10	1.00	$2,634	1.00	$0	$4,832	$2,198	17.00
14311015	HB- Insulate Superconductor (FROZEN by CR10-063)	05-May-10	02-Jun-10	4.00	$0	0.00	$13,185	$13,185	$0	17.00
14311072	HB Site Inspections FY12	03-Jan-12	28-Sep-12	37.80	$0	0.00	$0	$2,371	$2,371	12.80
14311072a	HB Site Inspections FY13	01-Oct-12	28-Jun-13	36.80	$0	0.00	$0	$2,382	$2,382	12.80
14311073	HB Design Reviews FY11	05-May-11	30-Sep-11	20.80	$2,261	0.83	$0	$4,148	$1,887	12.80
14311073a	HB Design Reviews FY12	03-Oct-11	31-Oct-11	4.20	$471	0.17	$0	$864	$393	12.80
14311080	Reverse Entry - Change Request 10-063	01-Jul-10	01-Jul-10	0.20	($2,634)	-1.00	($124,303)	($133,530)	($6,593)	13.00
14311082	Vend Fab HB Magnet Peg Point #1 Preliminary Design Review	02-Jul-10	29-Oct-10	16.80	$0	0.00	$13,521	$13,521	$0	12.80
14311082a	Vend Fab HB Magnet Peg Point #2 HB Analysis Complete	02-Jul-10	28-Feb-11	32.00	$0	0.00	$146,795	$146,795	$0	12.80
14311082b	Vend Fab HB Magnet Peg Point #3 Intermediate Design Review	02-Jul-10	30-Jun-11	49.40	$0	0.00	$175,768	$175,768	$0	12.80
14311084	Vend Fab HB Magnet Peg Point #4 Final Design Review	02-Jul-10	31-Oct-11	66.40	$0	0.00	$169,973	$169,973	$0	12.80
14311086	Vend Fab HB Magnet Peg Point #5a HB Cold Mass Complete	02-Jul-10	29-Feb-12	81.80	$0	0.00	$81,838	$81,838	$0	12.80
14311086a	Vend Fab HB Magnet Peg Point #5b HB Cold Mass Complete	01-Jul-11	29-Feb-12	32.40	$0	0.00	$34,053	$34,053	$0	12.80
14311086b	Vend Fab HB Magnet Peg Point #6 Cryostat and Materials Certifications Complete	01-Jul-11	29-Jun-12	49.40	$0	0.00	$90,781	$90,781	$0	12.80
14311086c	Vend Fab HB Magnet Peg Point #7a HB Magnet Cryostated	01-Jul-11	31-Oct-12	66.80	$0	0.00	$64,096	$64,096	$0	12.80
14311086d	Vend Fab HB Magnet Peg Point #7b HB Magnet Cryostated	02-Apr-12	31-Oct-12	30.00	$0	0.00	$19,924	$19,924	$0	12.80
14311086f	Vend Fab HB Magnet Peg Point #8 Magnet Complete	02-Apr-12	28-Feb-13	45.20	$0	0.00	$61,808	$61,808	$0	12.80
14311086g	Vend Fab HB Magnet Peg Point #9 HB Tested and Mapped at MSU and delivery to JLab	02-Apr-12	28-Jun-13	62.20	$0	0.00	$45,391	$45,391	$0	12.80
143118P1LOE	HB Contract Mngmnt for HB Mag	14-Oct-09	30-Sep-10	47.80	$37,198	16.00	$0	$41,593	$4,395	4.00
143118P2LOE	HB Contract Mngmnt for HB Mag	01-Oct-10	30-Sep-11	49.60	$30,914	12.00	$0	$35,450	$4,535	4.00
143118P3LOE	HB Contract Mngmnt for HB Mag	03-Oct-11	30-Dec-11	11.60	$7,491	2.82	$0	$8,590	$1,099	4.00
143118P3LOl	HB Contract Mngmnt for HB Mag	03-Jan-12	28-Sep-12	37.80	$25,329	9.50	$0	$31,329	$6,000	4.00
143118P4LOE	HB Contract Mngmnt for HB Mag	01-Oct-12	30-Aug-13	45.60	$30,266	11.03	$0	$37,381	$7,115	4.00
14311950	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$370,024	$370,024	$0	4.00
24311071	HB Drawing Validation	01-Aug-14	23-Dec-14	20.00	$23,861	12.00	$0	$23,861	$0	49.20
24311072	HB Site Inspections FY13	03-Sep-13	30-Sep-13	4.00	$0	0.00	$0	$1,186	$1,186	73.60
24311072a	HB Site Inspections FY14	01-Oct-13	30-Jun-14	36.60	$0	0.00	$0	$2,382	$2,382	73.60
24311077	Finducialize Magnet CL of SHMS HB Magnet	01-Oct-14	01-Oct-14	0.20	$1,865	1.00	$0	$1,865	$0	64.60
24311110	Vend Fab HB Magnet Peg Point #10 Weld back He Vessel Plate; Shield Preassembly; F...	03-Sep-13	31-Oct-13	8.60	$0	0.00	$73,821	$73,821	$0	9.80
24311115	Vend Fab HB Magnet Peg Point #11 Close He Vessel; Preassemble Cryostat Vac Wall	03-Sep-13	27-Nov-13	12.40	$0	0.00	$37,168	$37,168	$0	9.80
24311120	Vend Fab HB Magnet Peg Point #12 NDT & Warm Testing; Assemble Shield to He Vessel	03-Sep-13	20-Dec-13	15.40	$0	0.00	$83,471	$83,471	$0	9.80
24311125	Vend Fab HB Magnet Peg Point #13 Shield Support Assy, Instrumentation & Insulation	03-Sep-13	20-Dec-13	15.40	$0	0.00	$19,769	$19,769	$0	9.80
24311130	Vend Fab HB Magnet Peg Point #14 Suspend He Vessel/Shield; Complete Vac. Walls 2,3	03-Sep-13	31-Jan-14	19.60	$0	0.00	$25,966	$25,966	$0	9.80
24311135	Vend Fab HB Magnet Peg Point #15 Finish Vac Wall & Support Links	03-Sep-13	28-Feb-14	23.60	$0	0.00	$22,977	$22,977	$0	9.80
24311140	Vend Fab HB Magnet Peg Point #16 Finish & Leak Check Cryo Header	03-Sep-13	31-Mar-14	27.80	$0	0.00	$15,692	$15,692	$0	9.80
24311145	Vend Fab HB Magnet Peg Point #17 Assemble CCR to Magnet	03-Sep-13	30-Apr-14	32.20	$0	0.00	$26,315	$26,315	$0	9.80
24311150	Vend Fab HB Magnet Peg Point #18 Connect Leads, Instr. He Vessel, Leak Check Cryo...	01-Nov-13	30-May-14	27.80	$0	0.00	$50,515	$50,515	$0	9.80
24311155	Vend Fab HB Magnet Peg Point #19 Finish Insul & Vac; Leak Check; Fab shipping struc...	01-Nov-13	30-Jun-14	32.00	$0	0.00	$33,594	$33,594	$0	9.80
24311160	Vend Fab HB Magnet Peg Point #20 Crate & Deliver HB Magnet to JLab	01-Nov-13	31-Jul-14	36.40	$0	0.00	$13,458	$13,458	$0	9.80
24311165	Vend Fab HB Magnet Peg Point #21 Aceptance, Setup, Testing, and Mapping at JLab	01-Nov-13	30-Sep-14	44.80	$0	0.00	$35,345	$35,345	$0	60.80
24311168	Vend Fab HB Magnet Contract Closeout	01-Apr-14	30-Sep-14	25.60	$0	0.00	$80,000	$80,000	$0	60.80
24311170	HB- Factory Mag Test of HB Mag	02-May-14	30-Jun-14	8.20	$4,883	2.00	$0	$7,297	$2,415	73.60
243118P4LOE	HB Contract Mngmnt for HB Mag	03-Sep-13	30-Sep-13	4.00	$2,654	0.97	$0	$3,278	$624	136.60
243118P5LOE	HB Contract Mngmnt for HB Mag	01-Oct-13	30-Sep-14	49.40	$22,249	8.00	$0	$31,249	$9,000	136.60
243118P6LOE	HB Contract Mngmnt for HB Mag	01-Oct-14	05-Jan-15	11.80	$8,683	3.00	$0	$11,183	$2,500	136.60
1.4.3.1.2 Q-1 QUADRUPOLE		02-Jan-09	22-Dec-15	346.40	$605,528	224.41	$1,314,968	$2,006,232	$85,737	87.60
14312000M	Q1- Award Contract for Q1	16-Mar-09*		0.00	$0	0.00	$0	$0	$0	0.00
14312002	Q1- Contractor Expenses (Frozen and Reversed by Activity 14312011 per CR 09-041)	16-Mar-09	10-Apr-09	4.00	$0	0.00	$20,232	$20,232	$0	24.00
14312005	Q1- Final Dsgn Review	19-Sep-11	23-Sep-11	1.00	$4,585	2.00	$0	$9,121	$4,535	100.00
14312010	Q1- Finalize Dsgn of Q1 First Phase (Frozen and Reversed by Activity 14312011 per C...	16-Mar-09	30-Apr-09	6.65	$0	0.00	$0	$2,228	$2,228	21.35
14312010a	Q1- Finalize Dsgn of Q1 " Final Phase" (Frozen and Reversed by Activity 14312011 per ...	17-Jun-09	31-Jul-09	6.40	$0	0.00	$0	$1,437	$1,437	8.40
14312011	Reverse Entry for Activities 14312002, 14312010 and 14312010a per CR 09-041	03-Aug-09	03-Aug-09	0.20	$0	0.00	($20,232)	($23,896)	($3,665)	8.20
14312015	Vend Fab Q1 Procure Materials	03-Aug-09	14-Aug-09	2.00	$0	0.00	$108,588	$108,588	$0	204.60
14312020	Vend Fab Q1 Completion of Magnetic and Stress Analysis	03-Aug-09	12-Feb-10	26.00	$0	0.00	$54,294	$54,294	$0	180.60
14312025	Vend Fab Q1 Completion of Trial Wind	03-Aug-09	15-Mar-10	30.00	$0	0.00	$54,294	$54,294	$0	176.60
14312032	Vend Fab Q1 Completion of Preliminary Design Review	03-Aug-09	14-Jul-10	47.00	$0	0.00	$108,588	$108,588	$0	159.60



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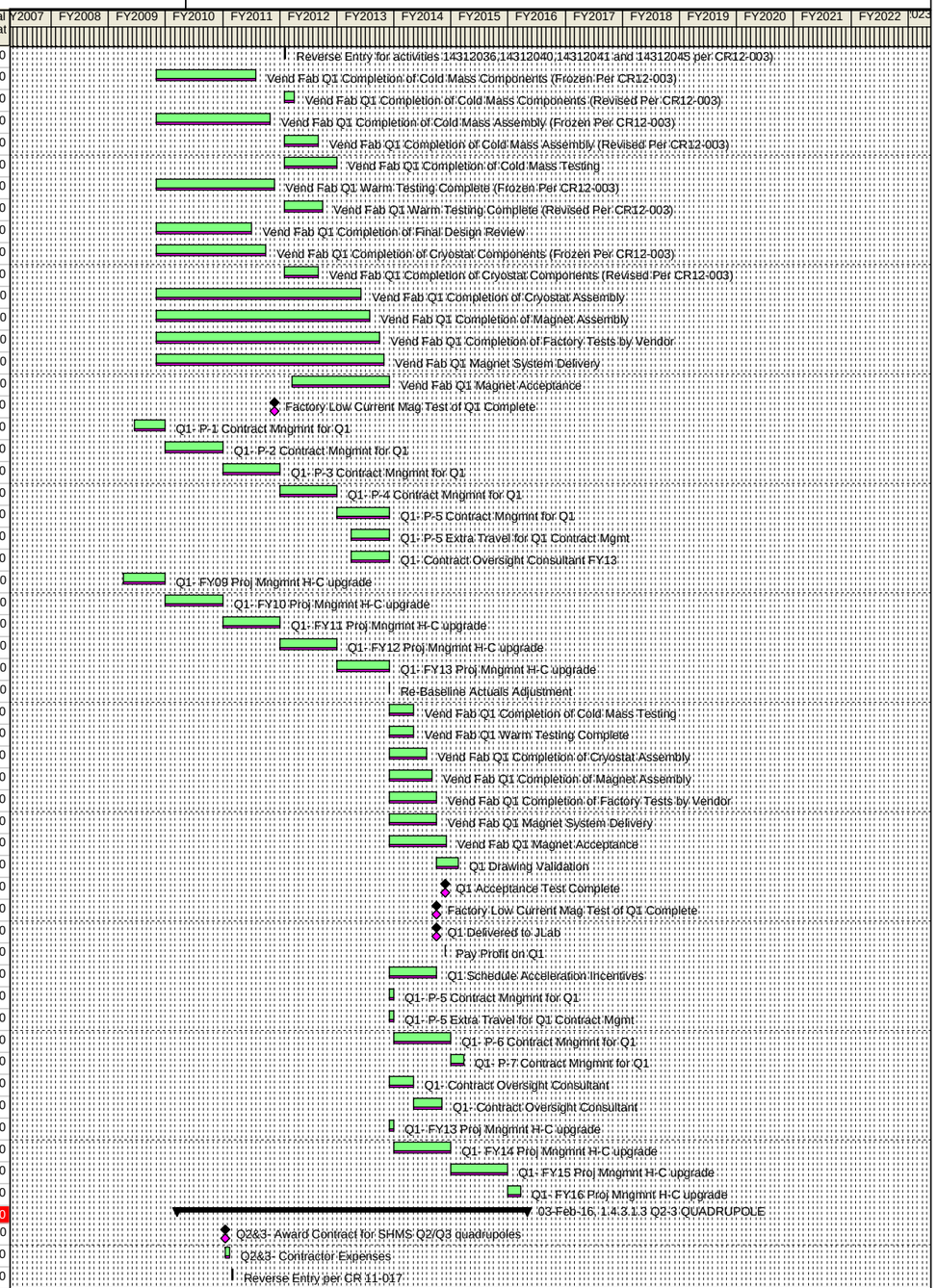
Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
14312034	Reverse Entry for activities 14312036,14312040,14312041 and 14312045 per CR12-003)	01-Nov-11	07-Nov-11	1.00	$0	0.00	($380,059)	($380,059)	$0	44.20
14312036	Vend Fab Q1 Completion of Cold Mass Components (Frozen Per CR12-003)	03-Aug-09	29-Apr-11	86.20	$0	0.00	$54,294	$54,294	$0	120.40
14312038	Vend Fab Q1 Completion of Cold Mass Components (Revised Per CR12-003)	01-Nov-11	30-Dec-11	7.40	$0	0.00	$108,588	$108,588	$0	51.00
14312040	Vend Fab Q1 Completion of Cold Mass Assembly (Frozen Per CR12-003)	03-Aug-09	29-Jul-11	98.80	$0	0.00	$108,588	$108,588	$0	100.00
14312040a	Vend Fab Q1 Completion of Cold Mass Assembly (Revised Per CR12-003)	01-Nov-11	31-May-12	28.40	$0	0.00	$54,294	$54,294	$0	51.00
14312040d	Vend Fab Q1 Completion of Cold Mass Testing	01-Nov-11	28-Sep-12	45.20	$0	0.00	$54,294	$54,294	$0	51.00
14312041	Vend Fab Q1 Warm Testing Complete (Frozen Per CR12-003)	03-Aug-09	31-Aug-11	103.40	$0	0.00	$108,588	$108,588	$0	102.20
14312041a	Vend Fab Q1 Warm Testing Complete (Revised Per CR12-003)	01-Nov-11	29-Jun-12	32.40	$0	0.00	$54,294	$54,294	$0	51.00
14312042	Vend Fab Q1 Completion of Final Design Review	03-Aug-09	31-Mar-11	82.00	$0	0.00	$54,294	$54,294	$0	124.60
14312045	Vend Fab Q1 Completion of Cryostat Components (Frozen Per CR12-003)	03-Aug-09	30-Jun-11	94.80	$0	0.00	$108,588	$108,588	$0	111.80
14312045a	Vend Fab Q1 Completion of Cryostat Components (Revised Per CR12-003)	01-Nov-11	31-May-12	28.40	$0	0.00	$108,588	$108,588	$0	51.00
14312046	Vend Fab Q1 Completion of Cryostat Assembly	03-Aug-09	28-Feb-13	176.80	$0	0.00	$54,294	$54,294	$0	4.00
14312047	Vend Fab Q1 Completion of Magnet Assembly	03-Aug-09	30-Apr-13	185.40	$0	0.00	$54,294	$54,294	$0	4.00
14312048	Vend Fab Q1 Completion of Factory Tests by Vendor	03-Aug-09	28-Jun-13	193.80	$0	0.00	$54,294	$54,294	$0	4.00
14312050	Vend Fab Q1 Magnet System Delivery	03-Aug-09	31-Jul-13	198.20	$0	0.00	$54,294	$54,294	$0	4.00
14312050c	Vend Fab Q1 Magnet Acceptance	19-Dec-11	30-Aug-13	84.40	$0	0.00	$66,541	$66,541	$0	4.00
14312052M	Factory Low Current Mag Test of Q1 Complete		31-Aug-11	0.00	$0	0.00	$0	$0	$0	102.20
143128P1LOE	Q1- P-1 Contract Mngmnt for Q1	16-Mar-09	30-Sep-09	28.00	$10,048	4.50	$0	$12,604	$2,556	114.60
143128P2LOE	Q1- P-2 Contract Mngmnt for Q1	01-Oct-09	30-Sep-10	49.60	$37,198	16.00	$0	$50,383	$13,185	114.60
143128P3LOE	Q1- P-3 Contract Mngmnt for Q1	01-Oct-10	30-Sep-11	49.60	$28,196	11.00	$0	$37,267	$9,071	114.60
143128P4LOE	Q1- P-4 Contract Mngmnt for Q1	03-Oct-11	28-Sep-12	49.40	$29,097	11.00	$0	$38,457	$9,360	114.60
143128P5LOE	Q1- P-5 Contract Mngmnt for Q1	01-Oct-12	30-Aug-13	45.60	$27,605	10.11	$0	$38,989	$11,384	114.60
143128P5TL(	Q1- P-5 Extra Travel for Q1 Contract Mgmt	02-Jan-13	30-Aug-13	33.80	$0	0.00	$0	$5,902	$5,902	114.60
143128PC13I	Q1- Contract Oversight Consultant FY13	02-Jan-13	30-Aug-13	33.80	$0	0.00	$0	$8,048	$8,048	114.60
14312909LOE	Q1- FY09 Proj Mngmnt H-C upgrade	02-Jan-09	30-Sep-09	37.80	$21,665	8.43	$0	$21,665	$0	4.00
14312910LOE	Q1- FY10 Proj Mngmnt H-C upgrade	01-Oct-09	30-Sep-10	49.60	$58,194	21.94	$0	$58,194	$0	4.00
14312911LOE	Q1- FY11 Proj Mngmnt H-C upgrade	01-Oct-10	30-Sep-11	49.60	$60,054	21.94	$0	$60,054	$0	4.00
14312912LOE	Q1- FY12 Proj Mngmnt H-C upgrade	03-Oct-11	28-Sep-12	49.40	$61,713	21.85	$0	$61,713	$0	4.00
14312913LOE	Q1- FY13 Proj Mngmnt H-C upgrade	01-Oct-12	30-Aug-13	45.60	$58,946	20.23	$0	$58,946	$0	4.00
14312950	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($220,222)	($220,222)	$0	4.00
24312040d	Vend Fab Q1 Completion of Cold Mass Testing	03-Sep-13	31-Jan-14	19.60	$0	0.00	$54,294	$54,294	$0	94.40
24312041a	Vend Fab Q1 Warm Testing Complete	03-Sep-13	31-Jan-14	19.60	$0	0.00	$54,294	$54,294	$0	94.40
24312046	Vend Fab Q1 Completion of Cryostat Assembly	03-Sep-13	30-Apr-14	32.20	$0	0.00	$54,294	$54,294	$0	17.40
24312047	Vend Fab Q1 Completion of Magnet Assembly	03-Sep-13	30-May-14	36.40	$0	0.00	$54,294	$54,294	$0	17.40
24312048	Vend Fab Q1 Completion of Factory Tests by Vendor	03-Sep-13	30-Jun-14	40.60	$0	0.00	$54,294	$54,294	$0	17.40
24312050	Vend Fab Q1 Magnet System Delivery	03-Sep-13	30-Jun-14	40.60	$0	0.00	$54,294	$54,294	$0	17.40
24312050c	Vend Fab Q1 Magnet Acceptance	03-Sep-13	29-Aug-14	49.20	$0	0.00	$108,588	$108,588	$0	54.20
24312050d	Q1 Drawing Validation	01-Jul-14	19-Nov-14	20.00	$23,861	12.00	$0	$23,861	$0	53.60
24312051M	Q1 Acceptance Test Complete		25-Aug-14	0.00	$0	0.00	$0	$0	$0	58.80
24312052M	Factory Low Current Mag Test of Q1 Complete		30-Jun-14	0.00	$0	0.00	$0	$0	$0	73.40
24312053M	Q1 Delivered to JLab		30-Jun-14	0.00	$0	0.00	$0	$0	$0	17.40
24312055	Pay Profit on Q1	26-Aug-14	26-Aug-14	0.20	$0	0.00	$0	$0	$0	65.60
24312060	Q1 Schedule Acceleration Incentives	03-Sep-13	30-Jun-14	40.60	$0	0.00	$45,000	$45,000	$0	73.40
243128P5LOE	Q1- P-5 Contract Mngmnt for Q1	03-Sep-13	30-Sep-13	4.00	$2,421	0.89	$0	$3,419	$998	49.80
243128P5TL(	Q1- P-5 Extra Travel for Q1 Contract Mgmt	03-Sep-13	30-Sep-13	4.00	$0	0.00	$0	$698	$698	49.80
243128P6LOE	Q1- P-6 Contract Mngmnt for Q1	01-Oct-13	30-Sep-14	49.40	$31,838	11.00	$0	$51,838	$20,000	49.80
243128P6LOI	Q1- P-7 Contract Mngmnt for Q1	01-Oct-14	18-Dec-14	11.00	$7,960	2.75	$0	$7,960	$0	49.80
243128PC13I	Q1- Contract Oversight Consultant	03-Sep-13	31-Jan-14	19.60	$0	0.00	$4,000	$4,000	$0	156.80
243128PC13I	Q1- Contract Oversight Consultant	03-Feb-14	31-Jul-14	25.40	$0	0.00	$8,000	$8,000	$0	156.80
24312913LOE	Q1- FY13 Proj Mngmnt H-C upgrade	03-Sep-13	30-Sep-13	4.00	$5,169	1.77	$0	$5,169	$0	87.80
24312914LOE	Q1- FY14 Proj Mngmnt H-C upgrade	01-Oct-13	30-Sep-14	49.40	$64,117	22.00	$0	$64,117	$0	87.80
24312915LOE	Q1- FY15 Proj Mngmnt H-C upgrade	01-Oct-14	30-Sep-15	49.20	$64,117	22.00	$0	$64,117	$0	87.80
24312915LOI	Q1- FY16 Proj Mngmnt H-C upgrade	01-Oct-15	22-Dec-15	11.40	$8,743	3.00	$0	$8,743	$0	87.80
1.4.3.1.3 Q2-3 QUADRUPOLE		14-Dec-09	03-Feb-16	303.20	$236,254	90.25	$3,104,393	$3,452,200	$111,553	83.00
14313000M	Q2&3- Award Contract for SHMS Q2/Q3 quadrupoles	18-Oct-10*		0.00	$0	0.00	$0	$0	$0	0.00
14313002	Q2&3- Contractor Expenses	18-Oct-10	12-Nov-10	4.00	$0	0.00	$75,967	$75,967	$0	86.60
14313002a	Reverse Entry per CR 11-017	01-Dec-10	07-Dec-10	1.00	$0	0.00	($75,967)	($75,967)	$0	91.60



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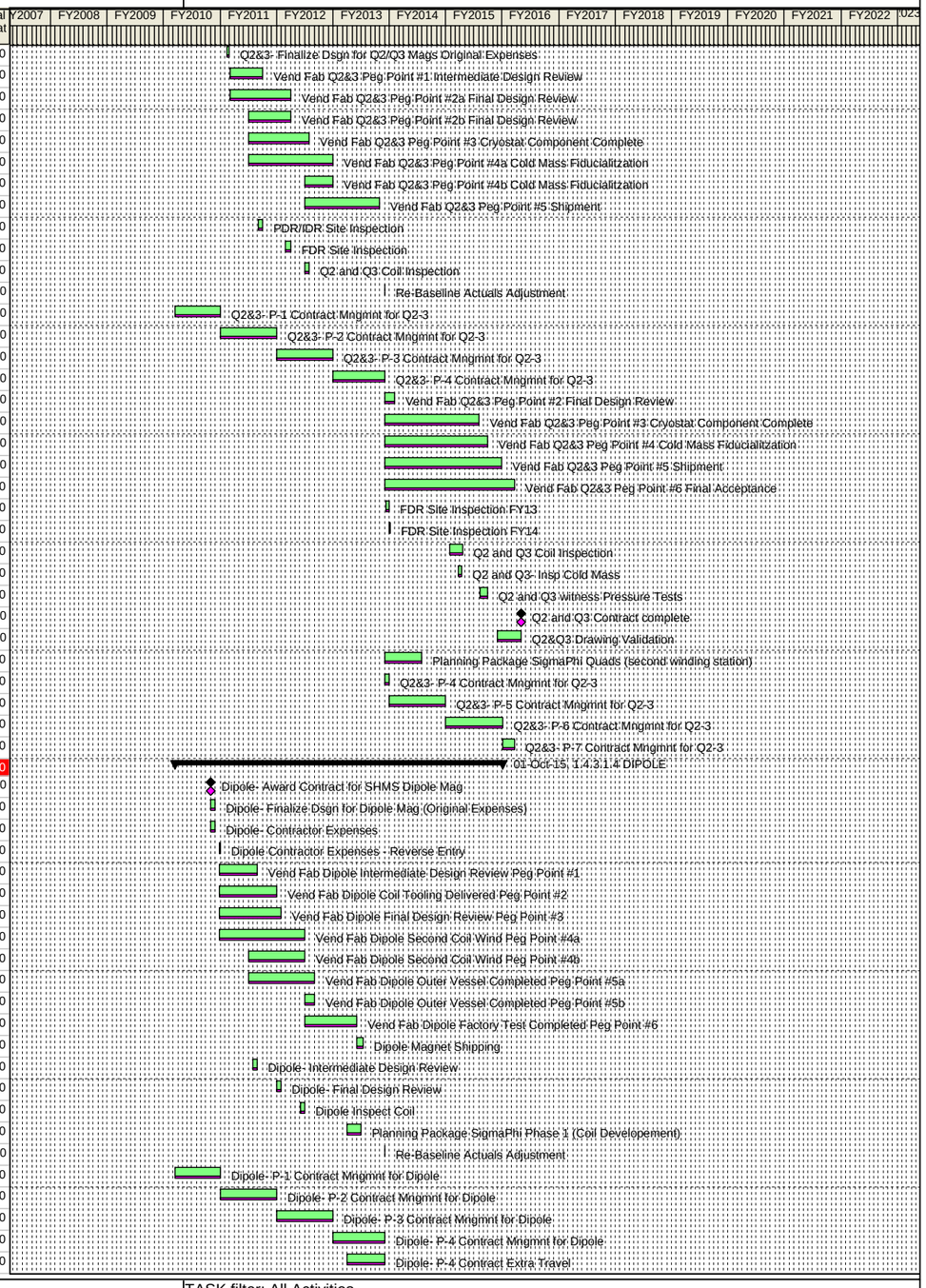
Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
14313005	Q2&3- Finalize Dsgn for Q2/Q3 Mags Original Expenses	15-Nov-10	30-Nov-10	2.00	$0	0.00	$0	$597	$597	86.60
14313006	Vend Fab Q2&3 Peg Point #1 Intermediate Design Review	07-Dec-10	30-Jun-11	27.80	$0	0.00	$158,700	$158,700	$0	70.80
14313010	Vend Fab Q2&3 Peg Point #2a Final Design Review	07-Dec-10	30-Dec-11	52.20	$0	0.00	$441,300	$441,300	$0	70.80
14313015	Vend Fab Q2&3 Peg Point #2b Final Design Review	01-Apr-11	30-Dec-11	37.20	$0	0.00	$48,400	$48,400	$0	70.80
14313017	Vend Fab Q2&3 Peg Point #3 Cryostat Component Complete	01-Apr-11	30-Apr-12	53.80	$0	0.00	$432,250	$432,250	$0	70.80
14313018	Vend Fab Q2&3 Peg Point #4a Cold Mass Fiducialitzation	01-Apr-11	28-Sep-12	75.00	$0	0.00	$319,350	$319,350	$0	103.60
14313019	Vend Fab Q2&3 Peg Point #4b Cold Mass Fiducialitzation	02-Apr-12	28-Sep-12	25.40	$0	0.00	$112,900	$112,900	$0	103.60
14313019a	Vend Fab Q2&3 Peg Point #5 Shipment	02-Apr-12	31-Jul-13	66.60	$0	0.00	$1,321,000	$1,321,000	$0	103.60
14313020	PDR/IDR Site Inspection	03-Jun-11	30-Jun-11	4.00	$2,718	1.00	$0	$13,510	$10,792	70.80
14313030	FDR Site Inspection	28-Nov-11	30-Dec-11	4.00	$2,805	1.00	$0	$12,165	$9,360	70.80
14313220	Q2 and Q3 Coil Inspection	03-Apr-12	30-Apr-12	4.00	$2,805	1.00	$0	$7,485	$4,680	70.80
14313280	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($2,650,808)	($2,650,808)	$0	4.00
14313P1LOE	Q2&3- P-1 Contract Mngmnt for Q2-3	14-Dec-09	30-Sep-10	39.60	$18,599	8.00	$0	$24,093	$5,494	4.00
14313P2LOE	Q2&3- P-2 Contract Mngmnt for Q2-3	01-Oct-10	30-Sep-11	49.60	$33,632	13.00	$0	$44,971	$11,338	4.00
14313P3LOE	Q2&3- P-3 Contract Mngmnt for Q2-3	03-Oct-11	28-Sep-12	49.40	$34,706	13.00	$0	$41,726	$7,020	4.00
14313P4LOE	Q2&3- P-4 Contract Mngmnt for Q2-3	01-Oct-12	30-Aug-13	45.60	$32,927	11.95	$0	$44,311	$11,384	4.00
24313015	Vend Fab Q2&3 Peg Point #2 Final Design Review	03-Sep-13	31-Oct-13	8.60	$0	0.00	$489,700	$489,700	$0	0.20
24313017	Vend Fab Q2&3 Peg Point #3 Cryostat Component Complete	03-Sep-13	30-Apr-15	81.60	$0	0.00	$432,250	$432,250	$0	0.20
24313019	Vend Fab Q2&3 Peg Point #4 Cold Mass Fiducialitzation	03-Sep-13	30-Jun-15	89.80	$0	0.00	$432,250	$432,250	$0	1.20
24313019a	Vend Fab Q2&3 Peg Point #5 Shipment	03-Sep-13	30-Sep-15	102.60	$0	0.00	$1,321,000	$1,321,000	$0	1.20
24313019b	Vend Fab Q2&3 Peg Point #6 Final Acceptance	03-Sep-13	23-Dec-15	114.20	$0	0.00	$146,100	$146,100	$0	12.80
24313030	FDR Site Inspection FY13	06-Sep-13	30-Sep-13	3.40	$2,460	0.85	$0	$10,416	$7,956	32.80
24313030a	FDR Site Inspection FY14	01-Oct-13	03-Oct-13	0.60	$434	0.15	$0	$1,838	$1,404	32.80
24313220	Q2 and Q3 Coil Inspection	27-Oct-14	15-Jan-15	9.80	$2,894	1.00	$0	$7,574	$4,680	57.40
24313230	Q2 and Q3- Insp Cold Mass	22-Dec-14	08-Jan-15	1.20	$2,894	1.00	$0	$7,724	$4,829	58.40
24313235	Q2 and Q3 witness Pressure Tests	08-May-15	30-Jun-15	7.20	$0	0.00	$0	$4,829	$4,829	58.80
24313270M	Q2 and Q3 Contract complete		03-Feb-16	0.00	$0	0.00	$0	$0	$0	5.60
24313275	Q2&Q3 Drawing Validation	02-Sep-15	03-Feb-16	20.00	$23,861	12.00	$0	$23,861	$0	5.60
24313280	Planning Package SigmaPhi Quads (second winding station)	03-Sep-13	30-Apr-14	32.20	$0	0.00	$100,000	$100,000	$0	92.00
24313P4LOE	Q2&3- P-4 Contract Mngmnt for Q2-3	03-Sep-13	30-Sep-13	4.00	$2,887	1.05	$0	$3,886	$998	70.80
24313P5LOE	Q2&3- P-5 Contract Mngmnt for Q2-3	01-Oct-13	30-Sep-14	49.40	$32,833	11.50	$0	$39,024	$6,191	70.80
24313P6LOE	Q2&3- P-6 Contract Mngmnt for Q2-3	01-Oct-14	01-Oct-15	49.40	$31,838	11.00	$0	$51,838	$20,000	87.80
24313P6LOE5	Q2&3- P-7 Contract Mngmnt for Q2-3	02-Oct-15	22-Dec-15	11.20	$7,960	2.75	$0	$7,960	$0	87.80
1.4.3.1.4 DIPOLE		14-Dec-09	01-Oct-15	287.40	$214,142	83.00	$3,103,489	$3,461,128	$143,497	98.80
14314000M5	Dipole- Award Contract for SHMS Dipole Mag	02-Aug-10*		0.00	$0	0.00	$0	$0	$0	0.00
14314002	Dipole- Finalize Dsgn for Dipole Mag (Original Expenses)	02-Aug-10	31-Aug-10	4.40	$0	0.00	$0	$859	$859	27.80
14314003	Dipole- Contractor Expenses	02-Aug-10	27-Aug-10	4.00	$0	0.00	$59,334	$59,334	$0	23.80
14314003a	Dipole Contractor Expenses - Reverse Entry	30-Sep-10	30-Sep-10	0.20	$0	0.00	($59,334)	($59,334)	$0	23.80
14314004	Vend Fab Dipole Intermediate Design Review Peg Point #1	30-Sep-10	31-May-11	32.60	$0	0.00	$97,500	$97,500	$0	23.80
14314010	Vend Fab Dipole Coil Tooling Delivered Peg Point #2	30-Sep-10	30-Sep-11	49.80	$0	0.00	$461,520	$461,520	$0	23.80
14314012	Vend Fab Dipole Final Design Review Peg Point #3	30-Sep-10	28-Oct-11	53.80	$0	0.00	$97,500	$97,500	$0	23.80
14314015	Vend Fab Dipole Second Coil Wind Peg Point #4a	30-Sep-10	30-Mar-12	73.80	$0	0.00	$43,480	$43,480	$0	23.80
14314020	Vend Fab Dipole Second Coil Wind Peg Point #4b	01-Apr-11	30-Mar-12	49.60	$0	0.00	$348,450	$348,450	$0	23.80
14314025	Vend Fab Dipole Outer Vessel Completed Peg Point #5a	01-Apr-11	31-May-12	58.20	$0	0.00	$251,550	$251,550	$0	23.80
14314027	Vend Fab Dipole Outer Vessel Completed Peg Point #5b	02-Apr-12	31-May-12	8.60	$0	0.00	$185,325	$185,325	$0	23.80
14314030	Vend Fab Dipole Factory Test Completed Peg Point #6	02-Apr-12	28-Feb-13	45.20	$0	0.00	$333,300	$333,300	$0	23.80
14314030a	Dipole Magnet Shipping	01-Mar-13	11-Apr-13	6.00	$0	0.00	$0	$0	$0	23.80
14314036	Dipole- Intermediate Design Review	03-May-11	31-May-11	4.00	$2,718	1.00	$0	$7,253	$4,535	23.80
14314045	Dipole- Final Design Review	03-Oct-11	28-Oct-11	4.00	$2,805	1.00	$0	$7,485	$4,680	23.80
14314047	Dipole Inspect Coil	05-Mar-12	30-Mar-12	4.00	$2,805	1.00	$0	$7,485	$4,680	71.60
14314100	Planning Package SigmaPhi Phase 1 (Coil Developement)	02-Jan-13	29-Mar-13	12.20	$0	0.00	$250,000	$250,000	$0	25.60
14314115	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($944,651)	($944,651)	$0	4.00
14314P1LOE	Dipole- P-1 Contract Mngmnt for Dipole	14-Dec-09	30-Sep-10	39.60	$23,867	10.00	$0	$32,657	$8,790	114.60
14314P2LOE	Dipole- P-2 Contract Mngmnt for Dipole	01-Oct-10	30-Sep-11	49.60	$33,632	13.00	$0	$42,703	$9,071	114.60
14314P3LOE	Dipole- P-3 Contract Mngmnt for Dipole	03-Oct-11	28-Sep-12	49.40	$34,706	13.00	$0	$44,066	$9,360	114.60
14314P4LOE	Dipole- P-4 Contract Mngmnt for Dipole	01-Oct-12	30-Aug-13	45.60	$24,944	9.19	$0	$36,328	$11,384	114.60
14314P4TLOE	Dipole- P-4 Contract Extra Travel	02-Jan-13	30-Aug-13	33.80	$0	0.00	$0	$13,234	$13,234	114.60



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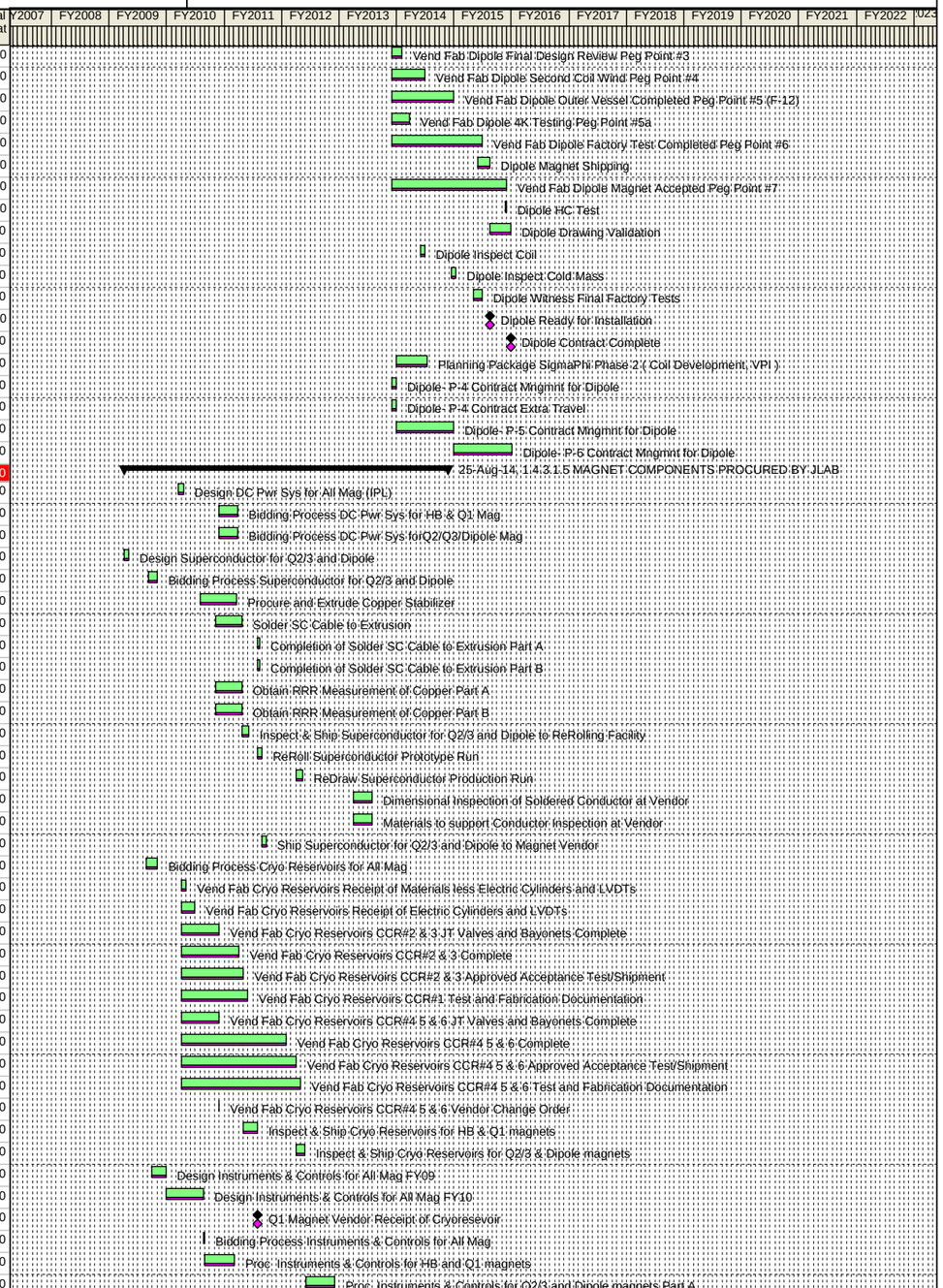
Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
24314012	Vend Fab Dipole Final Design Review Peg Point #3	03-Sep-13	31-Oct-13	8.60	$0	0.00	$97,500	$97,500	$0	0.00
24314020	Vend Fab Dipole Second Coil Wind Peg Point #4	03-Sep-13	31-Mar-14	27.80	$0	0.00	$391,930	$391,930	$0	0.00
24314027	Vend Fab Dipole Outer Vessel Completed Peg Point #5 (F-12)	03-Sep-13	30-Sep-14	53.40	$0	0.00	$436,875	$436,875	$0	0.00
24314028	Vend Fab Dipole 4K Testing Peg Point #5a	03-Sep-13	20-Dec-13	15.40	$0	0.00	$26,000	$26,000	$0	0.00
24314030	Vend Fab Dipole Factory Test Completed Peg Point #6	03-Sep-13	31-Mar-15	77.20	$0	0.00	$333,300	$333,300	$0	0.00
24314030a	Dipole Magnet Shipping	04-Mar-15	18-May-15	10.80	$0	0.00	$0	$0	$0	0.00
24314035	Vend Fab Dipole Magnet Accepted Peg Point #7	03-Sep-13	31-Aug-15	98.40	$0	0.00	$159,910	$159,910	$0	0.20
24314035a	Dipole HC Test	26-Aug-15	01-Sep-15	1.00	$7,623	3.00	$0	$7,623	$0	0.00
24314040	Dipole Drawing Validation	19-May-15	24-Sep-15	17.80	$23,861	12.00	$0	$23,861	$0	12.40
24314047	Dipole Inspect Coil	04-Mar-14	31-Mar-14	4.00	$2,894	1.00	$0	$7,574	$4,680	21.20
24314048	Dipole Inspect Cold Mass	17-Sep-14	14-Oct-14	4.00	$2,894	1.00	$0	$7,724	$4,829	41.00
24314049	Dipole Witness Final Factory Tests	04-Feb-15	31-Mar-15	8.00	$2,894	1.00	$0	$7,724	$4,829	37.00
24314050M	Dipole Ready for Installation	19-May-15		0.00	$0	0.00	$0	$0	$0	0.00
24314051M	Dipole Contract Complete	25-Sep-15		0.00	$0	0.00	$0	$0	$0	12.40
24314110	Planning Package SigmaPhi Phase 2 (Coil Development, VPI)	01-Oct-13	11-Apr-14	25.60	$0	0.00	$534,000	$534,000	$0	172.20
24314P4LOE	Dipole- P-4 Contract Mngmnt for Dipole	03-Sep-13	30-Sep-13	4.00	$2,188	0.81	$0	$3,186	$998	99.00
24314P4TLOE	Dipole- P-4 Contract Extra Travel	03-Sep-13	30-Sep-13	4.00	$0	0.00	$0	$1,566	$1,566	99.00
24314P5LOE	Dipole- P-5 Contract Mngmnt for Dipole	01-Oct-13	30-Sep-14	49.40	$23,155	8.00	$0	$53,155	$30,000	99.00
24314P6LOE	Dipole- P-6 Contract Mngmnt for Dipole	01-Oct-14	01-Oct-15	49.40	$23,155	8.00	$0	$53,155	$30,000	99.00
1.4.3.1.5 MAGNET COMPONENTS PROCURED BY JLAB		02-Jan-09	25-Aug-14	280.60	$911,699	396.25	$5,187,911	$6,231,408	$131,799	153.40
14315000	Design DC Pwr Sys for All Mag (IPL)	15-Dec-09	20-Jan-10	4.00	$19,916	8.50	$0	$19,916	$0	20.20
14315002	Bidding Process DC Pwr Sys for HB & Q1 Mag	30-Aug-10	29-Dec-10	16.00	$0	0.00	$0	$0	$0	20.20
14315003	Bidding Process DC Pwr Sys forQ2/Q3/Dipole Mag	30-Aug-10	29-Dec-10	16.00	$0	0.00	$0	$0	$0	20.20
14315010	Design Superconductor for Q2/3 and Dipole	02-Jan-09	30-Jan-09	4.00	$12,090	5.30	$0	$12,090	$0	218.60
14315012	Bidding Process Superconductor for Q2/3 and Dipole	10-Jun-09	05-Aug-09	8.00	$0	0.00	$0	$0	$0	60.00
14315015	Procure and Extrude Copper Stabilizer	03-May-10	21-Dec-10	32.40	$0	0.00	$214,142	$214,142	$0	23.80
14315015A	Solder SC Cable to Extrusion	06-Aug-10	25-Jan-11	22.60	$0	0.00	$181,696	$181,696	$0	25.80
14315015A5	Completion of Solder SC Cable to Extrusion Part A	02-May-11	13-May-11	2.00	$0	0.00	$92,000	$92,000	$0	25.80
14315015A5a	Completion of Solder SC Cable to Extrusion Part B	02-May-11	13-May-11	2.00	$0	0.00	$15,000	$15,000	$0	25.80
14315015B	Obtain RRR Measurement of Copper Part A	06-Aug-10	25-Jan-11	22.60	$0	0.00	$12,500	$12,500	$0	23.80
14315015Ba	Obtain RRR Measurement of Copper Part B	06-Aug-10	25-Jan-11	22.60	$0	0.00	$12,500	$12,500	$0	23.80
14315016	Inspect & Ship Superconductor for Q2/3 and Dipole to ReRolling Facility	26-Jan-11	09-Mar-11	6.00	$24,793	11.00	$0	$37,265	$12,472	23.80
14315018	ReRoll Superconductor Prototype Run	02-May-11	27-May-11	4.00	$0	0.00	$15,000	$15,000	$0	23.80
14315019	ReDraw Superconductor Production Run	04-Jan-12	15-Feb-12	6.00	$2,805	1.00	$100,000	$106,205	$3,400	28.60
14315019A	Dimensional Inspection of Soldered Conductor at Vendor	02-Jan-13	25-Apr-13	16.00	$41,227	18.00	$0	$41,227	$0	23.80
14315019B	Materials to support Conductor Inspection at Vendor	02-Jan-13	25-Apr-13	16.00	$0	0.00	$25,000	$25,000	$0	23.80
14315020	Ship Superconductor for Q2/3 and Dipole to Magnet Vendor	31-May-11	27-Jun-11	4.00	$0	0.00	$0	$12,500	$12,500	23.80
14315022	Bidding Process Cryo Reservoirs for All Mag	26-May-09	04-Aug-09	10.00	$0	0.00	$0	$0	$0	69.20
14315025	Vend Fab Cryo Reservoirs Receipt of Materials less Electric Cylinders and LVDTs	04-Jan-10	29-Jan-10	3.80	$0	0.00	$242,300	$242,300	$0	49.40
14315026	Vend Fab Cryo Reservoirs Receipt of Electric Cylinders and LVDTs	04-Jan-10	31-Mar-10	12.20	$0	0.00	$134,500	$134,500	$0	49.40
14315027	Vend Fab Cryo Reservoirs CCR#2 & 3 JT Valves and Bayonets Complete	04-Jan-10	31-Aug-10	33.60	$0	0.00	$52,000	$52,000	$0	49.40
14315027A	Vend Fab Cryo Reservoirs CCR#2 & 3 Complete	04-Jan-10	30-Dec-10	49.40	$0	0.00	$42,000	$42,000	$0	49.40
14315027B	Vend Fab Cryo Reservoirs CCR#2 & 3 Approved Acceptance Test/Shipment	04-Jan-10	31-Jan-11	53.40	$0	0.00	$69,100	$69,100	$0	49.40
14315027C	Vend Fab Cryo Reservoirs CCR#1 Test and Fabrication Documentation	04-Jan-10	28-Feb-11	57.20	$0	0.00	$28,000	$28,000	$0	70.80
14315027D	Vend Fab Cryo Reservoirs CCR#4 5 & 6 JT Valves and Bayonets Complete	04-Jan-10	31-Aug-10	33.60	$0	0.00	$78,000	$78,000	$0	70.80
14315027F	Vend Fab Cryo Reservoirs CCR#4 5 & 6 Complete	04-Jan-10	31-Oct-11	91.60	$0	0.00	$63,000	$63,000	$0	70.80
14315027G	Vend Fab Cryo Reservoirs CCR#4 5 & 6 Approved Acceptance Test/Shipment	04-Jan-10	29-Dec-11	98.80	$0	0.00	$101,900	$101,900	$0	70.80
14315027H	Vend Fab Cryo Reservoirs CCR#4 5 & 6 Test and Fabrication Documentation	04-Jan-10	31-Jan-12	103.00	$0	0.00	$42,100	$42,100	$0	70.80
14315027J	Vend Fab Cryo Reservoirs CCR#4 5 & 6 Vendor Change Order	01-Sep-10	01-Sep-10	0.20	$0	0.00	$21,000	$21,000	$0	140.00
14315028	Inspect & Ship Cryo Reservoirs for HB & Q1 magnets	01-Feb-11	29-Apr-11	12.60	$45,713	21.00	$0	$54,784	$9,071	49.40
14315029	Inspect & Ship Cryo Reservoirs for Q2/3 & Dipole magnets	30-Dec-11	28-Feb-12	8.00	$64,486	28.00	$0	$82,036	$17,550	70.80
14315030	Design Instruments & Controls for All Mag FY09	02-Jul-09	30-Sep-09	12.60	$19,941	8.76	$0	$19,941	$0	50.20
14315030b	Design Instruments & Controls for All Mag FY10	01-Oct-09	21-May-10	31.40	$51,283	21.84	$0	$51,283	$0	50.20
14315031M	Q1 Magnet Vendor Receipt of Cryoresevoir		29-Apr-11	0.00	$0	0.00	$0	$0	$0	49.40
14315032	Bidding Process Instruments & Controls for All Mag	24-May-10	28-May-10	1.00	$0	0.00	$0	$0	$0	50.20
14315035	Proc Instruments & Controls for HB and Q1 magnets	01-Jun-10	03-Dec-10	26.00	$0	0.00	$343,920	$343,920	$0	50.20
14315036	Proc Instruments & Controls for Q2/3 and Dipole magnets Part A	05-Mar-12	05-Sep-12	26.00	$0	0.00	$133,000	$133,000	$0	23.40



Primary Baseline | Remaining Work | Baseline Milestone
Actual Work | Critical Remaining Work | Milestone

TASK filter: All Activities

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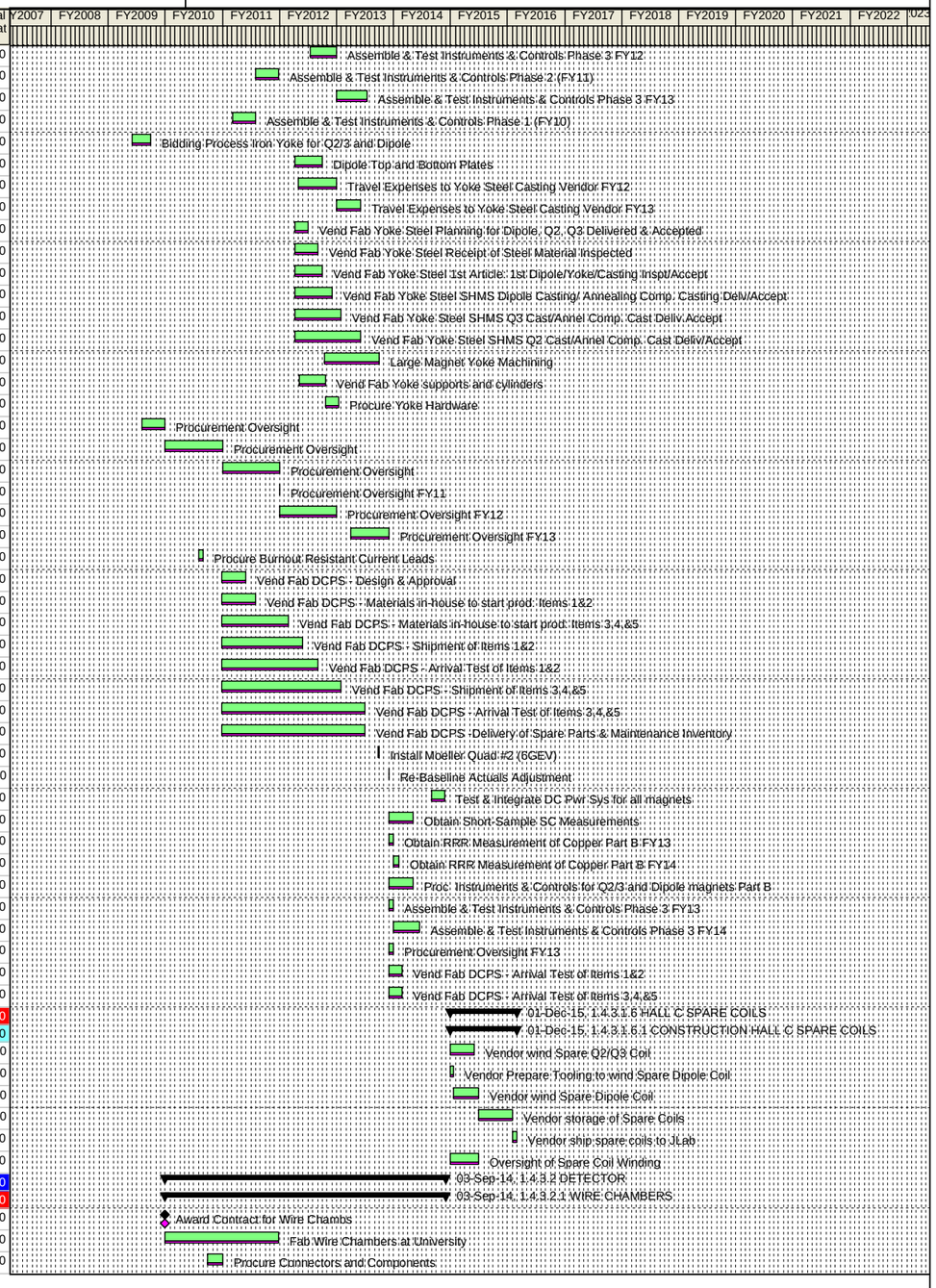
Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
14315037	Assemble & Test Instruments & Controls Phase 3 FY12	16-Apr-12	28-Sep-12	23.40	$115,341	52.37	$0	$115,341	$0	23.40
14315037a	Assemble & Test Instruments & Controls Phase 2 (FY11)	05-May-11	26-Sep-11	20.00	$69,550	33.00	$0	$69,550	$0	50.20
14315037b	Assemble & Test Instruments & Controls Phase 3 FY13	01-Oct-12	15-Apr-13	26.20	$133,269	58.63	$0	$133,269	$0	23.40
14315038	Assemble & Test Instruments & Controls Phase 1 (FY10)	06-Dec-10	04-May-11	20.00	$69,550	33.00	$0	$69,550	$0	50.20
14315042	Bidding Process Iron Yoke for Q2/3 and Dipole	05-Mar-09	25-Jun-09	16.00	$0	0.00	$0	$0	$0	138.40
14315043	Dipole Top and Bottom Plates	12-Jan-12	03-Jul-12	24.00	$0	0.00	$190,000	$190,000	$0	62.00
14315044LOE	Travel Expenses to Yoke Steel Casting Vendor FY12	01-Feb-12	28-Sep-12	33.80	$0	0.00	$0	$31,530	$31,530	29.80
14315044LOI	Travel Expenses to Yoke Steel Casting Vendor FY13	01-Oct-12	28-Feb-13	19.80	$0	0.00	$0	$19,059	$19,059	29.80
14315045	Vend Fab Yoke Steel Planning for Dipole, Q2, Q3 Delivered & Accepted	12-Jan-12	30-Mar-12	11.00	$0	0.00	$10,000	$10,000	$0	12.80
14315045A	Vend Fab Yoke Steel Receipt of Steel Material Inspected	12-Jan-12	31-May-12	19.60	$0	0.00	$262,000	$262,000	$0	12.80
14315045B	Vend Fab Yoke Steel 1st Article: 1st Dipole/Yoke/Casting Inspt/Accept	12-Jan-12	29-Jun-12	23.60	$0	0.00	$150,000	$150,000	$0	12.80
14315045C	Vend Fab Yoke Steel SHMS Dipole Casting/ Annealing Comp. Casting Delv/Accept	12-Jan-12	31-Aug-12	32.60	$0	0.00	$558,000	$558,000	$0	29.80
14315045D	Vend Fab Yoke Steel SHMS Q3 Cast/Annel Comp. Cast Deliv.Accept	12-Jan-12	31-Oct-12	41.00	$0	0.00	$190,000	$190,000	$0	29.80
14315045F	Vend Fab Yoke Steel SHMS Q2 Cast/Annel Comp. Cast Deliv/Accept	12-Jan-12	28-Feb-13	56.20	$0	0.00	$128,000	$128,000	$0	29.80
14315046	Large Magnet Yoke Machining	16-Jul-12	28-Jun-13	47.60	$0	0.00	$480,000	$480,000	$0	12.80
14315046a	Vend Fab Yoke supports and cylinders	03-Feb-12	24-Jul-12	24.00	$0	0.00	$108,350	$108,350	$0	47.00
14315046b	Procure Yoke Hardware	25-Jul-12	17-Oct-12	12.00	$0	0.00	$15,000	$15,000	$0	47.00
14315050LOE	Procurement Oversight	01-May-09	30-Sep-09	21.20	$18,822	8.00	$0	$25,070	$6,249	202.00
14315050LOI	Procurement Oversight	01-Oct-09	30-Sep-10	49.60	$19,423	8.00	$0	$25,871	$6,448	202.00
14315050LOI	Procurement Oversight	01-Oct-10	29-Sep-11	49.40	$20,042	8.00	$0	$26,696	$6,654	202.00
14315050LOI	Procurement Oversight FY11	30-Sep-11	30-Sep-11	0.20	$81	0.03	$0	$108	$27	202.00
14315050LOEf	Procurement Oversight FY12	03-Oct-11	27-Sep-12	49.20	$20,599	7.97	$0	$27,437	$6,838	202.00
14315050LOI	Procurement Oversight FY13	02-Jan-13	30-Aug-13	33.80	$19,085	7.15	$0	$19,085	$0	202.00
14315055	Procure Burnout Resistant Current Leads	03-May-10	28-May-10	4.00	$0	0.00	$95,500	$95,500	$0	53.80
14315060	Vend Fab DCPS - Design & Approval	30-Sep-10	28-Feb-11	19.60	$0	0.00	$225,000	$225,000	$0	20.20
14315065	Vend Fab DCPS - Materials in-house to start prod: Items 1&2	30-Sep-10	29-Apr-11	28.40	$0	0.00	$159,000	$159,000	$0	20.20
14315070	Vend Fab DCPS - Materials in-house to start prod: Items 3,4,&5	30-Sep-10	30-Nov-11	58.00	$0	0.00	$245,000	$245,000	$0	20.20
14315075	Vend Fab DCPS - Shipment of Items 1&2	30-Sep-10	29-Feb-12	69.40	$0	0.00	$77,000	$77,000	$0	20.20
14315080	Vend Fab DCPS - Arrival Test of Items 1&2	30-Sep-10	31-May-12	82.40	$0	0.00	$28,000	$28,000	$0	20.20
14315085	Vend Fab DCPS - Shipment of Items 3,4,&5	30-Sep-10	30-Oct-12	103.60	$0	0.00	$117,000	$117,000	$0	20.20
14315090	Vend Fab DCPS - Arrival Test of Items 3,4,&5	30-Sep-10	29-Mar-13	123.20	$0	0.00	$53,320	$53,320	$0	136.60
14315095	Vend Fab DCPS -Delivery of Spare Parts & Maintenance Inventory	30-Sep-10	29-Mar-13	123.20	$0	0.00	$17,762	$17,762	$0	136.60
14315100	Install Moeller Quad #2 (6GEV)	27-Jun-13	27-Jun-13	0.20	$0	0.00	$0	$0	$0	13.00
14315105	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($10,617)	($10,617)	$0	4.00
24315007	Test & Integrate DC Pwr Sys for all magnets	02-Jun-14	25-Aug-14	12.00	$40,239	17.00	$0	$40,239	$0	66.20
24315015Ba	Obtain Short-Sample SC Measurements	03-Sep-13	31-Jan-14	19.60	$0	0.00	$15,278	$15,278	$0	94.60
24315015Bb	Obtain RRR Measurement of Copper Part B FY13	03-Sep-13	30-Sep-13	4.00	$1,656	0.91	$0	$1,656	$0	105.40
24315015Bba	Obtain RRR Measurement of Copper Part B FY14	01-Oct-13	01-Nov-13	4.80	$1,987	1.09	$0	$1,987	$0	105.40
24315036a5	Proc Instruments & Controls for Q2/3 and Dipole magnets Part B	03-Sep-13	31-Jan-14	19.60	$0	0.00	$15,000	$15,000	$0	57.40
24315037b	Assemble & Test Instruments & Controls Phase 3 FY13	03-Sep-13	30-Sep-13	4.00	$15,361	5.80	$0	$15,361	$0	49.00
24315037ba	Assemble & Test Instruments & Controls Phase 3 FY14	01-Oct-13	13-Mar-14	21.40	$82,180	31.05	$0	$82,180	$0	49.00
24315050LOI	Procurement Oversight FY13	03-Sep-13	30-Sep-13	4.00	$2,258	0.85	$0	$2,258	$0	197.80
24315080	Vend Fab DCPS - Arrival Test of Items 1&2	03-Sep-13	27-Nov-13	12.40	$0	0.00	$14,000	$14,000	$0	101.80
24315090	Vend Fab DCPS - Arrival Test of Items 3,4,&5	03-Sep-13	27-Nov-13	12.40	$0	0.00	$26,660	$26,660	$0	101.80
1.4.3.1.6 HALL C SPARE COILS		01-Oct-14	01-Dec-15	57.80	$68,887	23.80	$470,000	$563,887	$25,000	16.60
1.4.3.1.6.1 CONSTRUCTION HALL C SPARE COILS		01-Oct-14	01-Dec-15	57.80	$68,887	23.80	$470,000	$563,887	$25,000	16.60
243161000	Vendor wind Spare Q2/Q3 Coil	01-Oct-14	27-Feb-15	19.40	$0	0.00	$200,000	$200,000	$0	4.60
243161005	Vendor Prepare Tooling to wind Spare Dipole Coil	01-Oct-14	21-Oct-14	3.00	$0	0.00	$25,000	$25,000	$0	0.20
243161010	Vendor wind Spare Dipole Coil	22-Oct-14	31-Mar-15	20.80	$0	0.00	$200,000	$200,000	$0	0.20
243161015	Vendor storage of Spare Coils	01-Apr-15	30-Oct-15	29.80	$0	0.00	$20,000	$20,000	$0	0.20
243161020	Vendor ship spare coils to JLab	02-Nov-15	01-Dec-15	4.00	$0	0.00	$25,000	$25,000	$0	16.80
243161030L	Oversight of Spare Coil Winding	01-Oct-14	31-Mar-15	23.80	$68,887	23.80	$0	$93,887	$25,000	46.60
1.4.3.2 DETECTOR		01-Oct-09	03-Sep-14	244.00	$396,575	194.83	$417,060	$870,785	$57,149	152.20
1.4.3.2.1 WIRE CHAMBERS		01-Oct-09	03-Sep-14	244.00	$44,677	19.00	$60,643	$105,320	$0	55.40
14321000M	Award Contract for Wire Chambs	01-Oct-09		0.00	$0	0.00	$0	$0	$0	49.80
14321005	Fab Wire Chambers at University	01-Oct-09	28-Sep-11	98.80	$0	0.00	$0	$0	$0	49.80
14321007	Procure Connectors and Components	01-Jul-10	30-Sep-10	12.80	$0	0.00	$50,000	$50,000	$0	148.60



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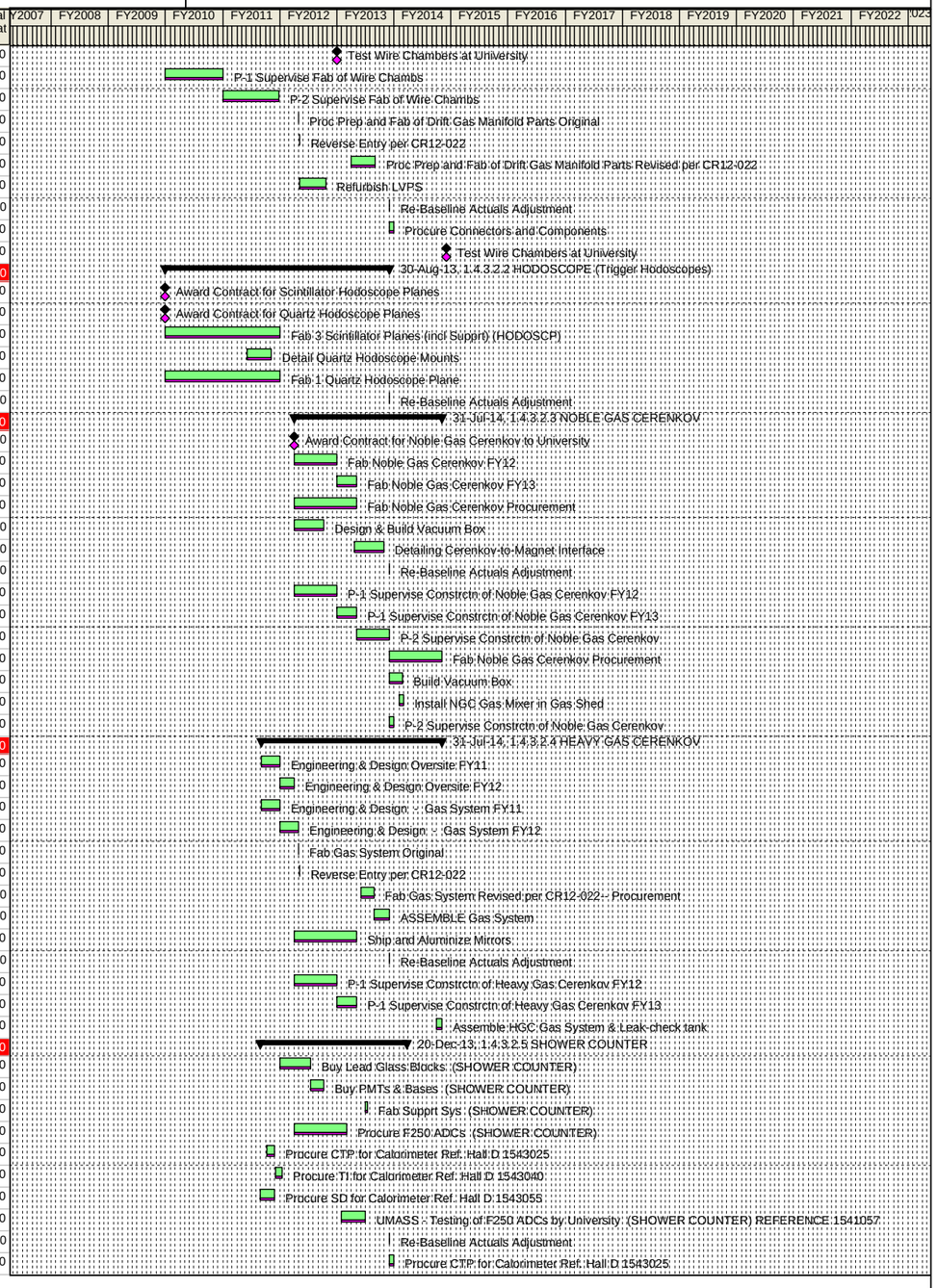
Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
14321015M	Test Wire Chambers at University		27-Sep-12	0.00	$0	0.00	$0	$0	$0	49.80
143218P1LOE	P-1 Supervise Fab of Wire Chambs	01-Oct-09	30-Sep-10	49.60	$0	0.00	$0	$0	$0	99.60
143218P2LOE	P-2 Supervise Fab of Wire Chambs	01-Oct-10	27-Sep-11	49.00	$30,109	11.00	$0	$30,109	$0	99.60
14321900	Proc Prep and Fab of Drift Gas Manifold Parts Original	30-Jan-12	31-Jan-12	0.40	$385	0.20	$0	$385	$0	83.40
14321900a	Reverse Entry per CR12-022	03-Feb-12	06-Feb-12	0.40	($385)	-0.20	$0	($385)	$0	33.00
14321900b	Proc Prep and Fab of Drift Gas Manifold Parts Revised per CR12-022	03-Jan-13	31-May-13	20.80	$3,977	2.00	$21,976	$25,953	$0	16.80
14321905	Refurbish LVPS	03-Feb-12	24-Jul-12	24.00	$10,591	6.00	$0	$10,591	$0	59.00
14321910	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($11,333)	($11,333)	$0	4.00
24321007	Procure Connectors and Components	03-Sep-13	30-Sep-13	4.00	$0	0.00	$0	$0	$0	100.80
24321015M	Test Wire Chambers at University		03-Sep-14	0.00	$0	0.00	$0	$0	$0	55.20
1.4.3.2.2 HODOSCOPE (Trigger Hodoscopes)		01-Oct-09	30-Aug-13	194.20	$24,108	12.00	$2,135	$26,243	$0	4.00
14322000M	Award Contract for Scintillator Hodoscope Planes	01-Oct-09		0.00	$0	0.00	$0	$0	$0	99.00
14322005M	Award Contract for Quartz Hodoscope Planes	01-Oct-09		0.00	$0	0.00	$0	$0	$0	99.00
14322010	Fab 3 Scintillator Planes (incl Supprt) (HODOSCP)	01-Oct-09	30-Sep-11	99.20	$0	0.00	$0	$0	$0	99.00
14322013	Detail Quartz Hodoscope Mounts	04-Mar-11	08-Aug-11	22.00	$24,108	12.00	$0	$24,108	$0	106.60
14322015	Fab 1 Quartz Hodoscope Plane	01-Oct-09	30-Sep-11	99.20	$0	0.00	$0	$0	$0	99.00
14322020	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$2,135	$2,135	$0	4.00
1.4.3.2.3 NOBLE GAS CERENKOV		05-Jan-12	31-Jul-14	128.20	$128,119	69.80	$160,756	$302,529	$13,655	156.80
14323000M	Award Contract for Noble Gas Cerenkov to University	05-Jan-12		0.00	$0	0.00	$0	$0	$0	9.00
14323005	Fab Noble Gas Cerenkov FY12	05-Jan-12	28-Sep-12	37.40	$51,275	32.92	$0	$60,747	$9,473	33.60
14323005a	Fab Noble Gas Cerenkov FY13	01-Oct-12	31-Jan-13	16.00	$22,635	14.08	$0	$26,817	$4,182	33.60
14323005b	Fab Noble Gas Cerenkov Procurement	05-Jan-12	31-Jan-13	53.40	$0	0.00	$53,247	$53,247	$0	33.60
14323010	Design & Build Vacuum Box	05-Jan-12	10-Jul-12	26.00	$15,244	7.00	$26,620	$41,864	$0	9.00
14323015	Detailing Cerenkov-to-Magnet Interface	23-Jan-13	26-Jul-13	26.00	$15,731	7.00	$0	$15,731	$0	9.00
14323020	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($44,102)	($44,102)	$0	4.00
143238P1LOE	P-1 Supervise Constrctn of Noble Gas Cerenkov FY12	05-Jan-12	28-Sep-12	37.40	$7,913	2.80	$0	$7,913	$0	202.00
143238P1LOI	P-1 Supervise Constrctn of Noble Gas Cerenkov FY13	01-Oct-12	31-Jan-13	16.00	$3,493	1.20	$0	$3,493	$0	202.00
143238P1LOI	P-2 Supervise Constrctn of Noble Gas Cerenkov	01-Feb-13	30-Aug-13	29.60	$7,189	2.47	$0	$7,189	$0	202.00
24323005b	Fab Noble Gas Cerenkov Procurement	03-Sep-13	31-Jul-14	45.00	$0	0.00	$111,881	$111,881	$0	52.80
24323012	Build Vacuum Box	03-Sep-13	27-Nov-13	12.40	$0	0.00	$13,109	$13,109	$0	92.40
24323025	Install NGC Gas Mixer in Gas Shed	01-Nov-13	02-Dec-13	4.00	$3,669	2.00	$0	$3,669	$0	92.20
243238P1LOI	P-2 Supervise Constrctn of Noble Gas Cerenkov	03-Sep-13	30-Sep-13	4.00	$971	0.33	$0	$971	$0	110.20
1.4.3.2.4 HEAVY GAS CERENKOV		06-Jun-11	31-Jul-14	156.80	$114,384	51.63	$20,421	$134,805	$0	156.80
14324000	Engineering & Design Oversite FY11	06-Jun-11	30-Sep-11	16.60	$13,495	5.89	$0	$13,495	$0	232.00
14324000a	Engineering & Design Oversite FY12	03-Oct-11	30-Dec-11	11.60	$9,732	4.11	$0	$9,732	$0	232.00
14324001	Engineering & Design - Gas System FY11	06-Jun-11	30-Sep-11	16.60	$23,985	10.44	$0	$23,985	$0	58.20
14324001a	Engineering & Design - Gas System FY12	03-Oct-11	27-Jan-12	15.20	$22,664	9.56	$0	$22,664	$0	58.20
14324003	Fab Gas System Original	30-Jan-12	31-Jan-12	0.40	$1,210	0.67	$0	$1,210	$0	83.40
14324003a	Reverse Entry per CR12-022	03-Feb-12	06-Feb-12	0.40	($1,210)	-0.67	$0	($1,210)	$0	33.00
14324003b	Fab Gas System Revised per CR12-022-- Procurement	04-Mar-13	24-May-13	12.00	$9,942	5.00	$82,409	$92,351	$0	4.00
14324005	ASSEMBLE Gas System	28-May-13	30-Aug-13	13.60	$8,485	4.63	$0	$8,485	$0	4.00
14324010	Ship and Aluminize Mirrors	05-Jan-12	31-Jan-13	53.40	$0	0.00	$19,167	$19,167	$0	33.60
14324015	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($81,155)	($81,155)	$0	4.00
143248P1LOE	P-1 Supervise Constrctn of Heavy Gas Cerenkov FY12	05-Jan-12	28-Sep-12	37.40	$7,913	2.80	$0	$7,913	$0	231.60
143248P1LOI	P-1 Supervise Constrctn of Heavy Gas Cerenkov FY13	01-Oct-12	31-Jan-13	16.00	$3,493	1.20	$0	$3,493	$0	231.60
24324005	Assemble HGC Gas System & Leak-check tank	03-Jul-14	31-Jul-14	4.00	$14,675	8.00	$0	$14,675	$0	56.20
1.4.3.2.5 SHOWER COUNTER		31-May-11	20-Dec-13	127.80	$734	0.40	$84,496	$85,230	$0	69.20
14325005	Buy Lead Glass Blocks (SHOWER COUNTER)	03-Oct-11	13-Apr-12	26.00	$0	0.00	$0	$0	$0	61.00
14325010	Buy PMTs & Bases (SHOWER COUNTER)	16-Apr-12	10-Jul-12	12.00	$0	0.00	$0	$0	$0	61.00
14325015	Fab Supprt Sys (SHOWER COUNTER)	01-Apr-13	12-Apr-13	2.00	$0	0.00	$0	$0	$0	23.60
14325027	Procure F250 ADCs (SHOWER COUNTER)	04-Jan-12	30-Nov-12	46.20	$0	0.00	$74,378	$74,378	$0	25.60
14325027a	Procure CTP for Calorimeter Ref. Hall D 1543025	12-Jul-11	31-Aug-11	7.40	$0	0.00	$5,000	$5,000	$0	103.20
14325027b	Procure TI for Calorimeter Ref. Hall D 1543040	08-Sep-11	17-Oct-11	5.60	$0	0.00	$1,850	$1,850	$0	96.80
14325027c	Procure SD for Calorimeter Ref. Hall D 1543055	31-May-11	31-Aug-11	13.20	$0	0.00	$2,500	$2,500	$0	103.20
14325028	UMASS - Testing of F250 ADCs by University (SHOWER COUNTER) REFERENCE 15...	31-Oct-12	29-Mar-13	19.60	$0	0.00	$5,000	$5,000	$0	25.60
14325030	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($8,735)	($8,735)	$0	4.00
24325027a	Procure CTP for Calorimeter Ref. Hall D 1543025	03-Sep-13	30-Sep-13	4.00	$0	0.00	$4,502	$4,502	$0	80.20



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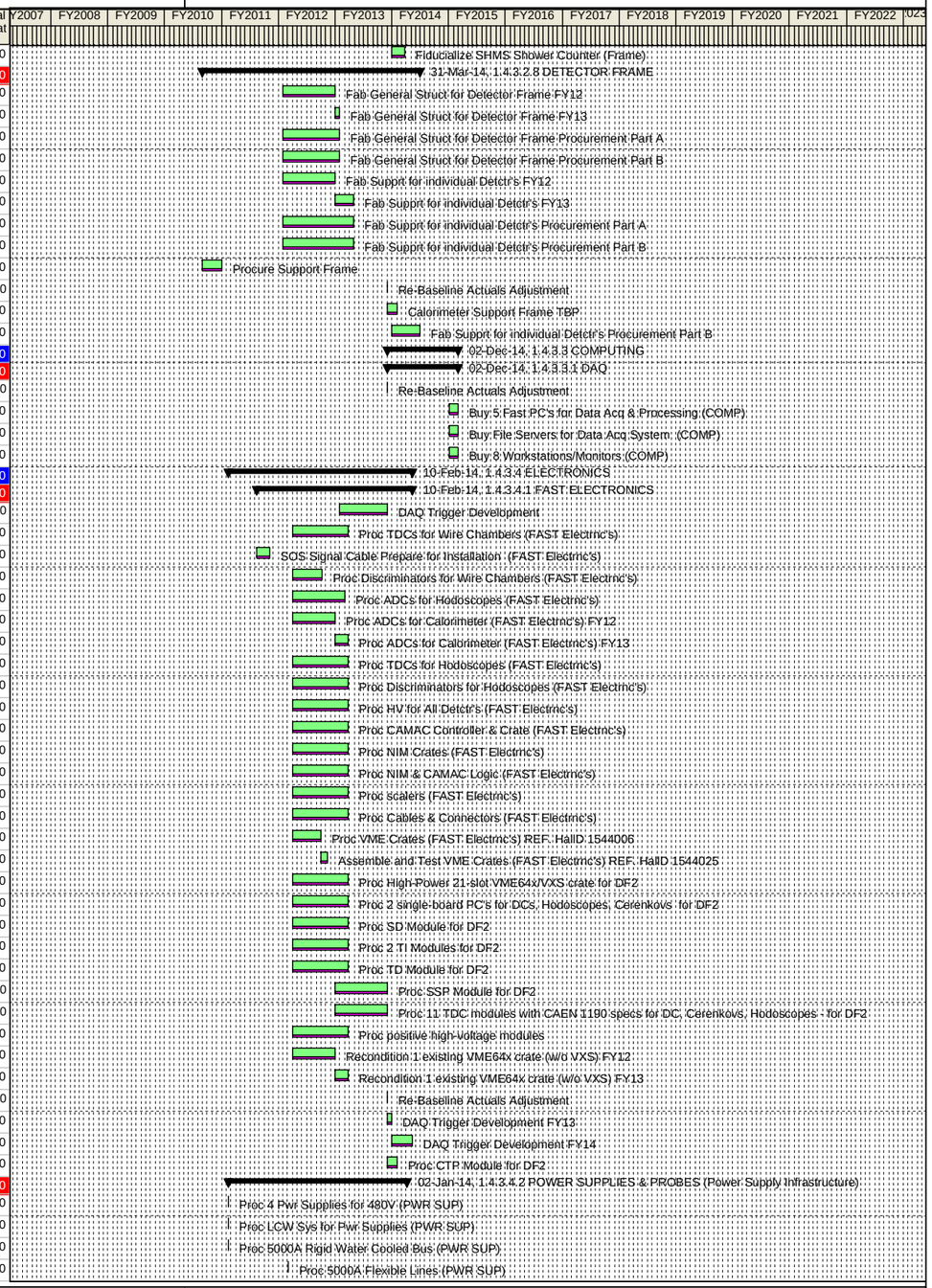
Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
24325030	Fiducialize SHMS Shower Counter (Frame)	01-Oct-13	20-Dec-13	11.40	$734	0.40	$0	$734	$0	68.40
1.4.3.2.8 DETECTOR FRAME		01-Jun-10	31-Mar-14	189.80	$84,553	42.00	$88,610	$216,658	$43,495	70.20
14328005	Fab General Struct for Detector Frame FY12	02-Nov-11	28-Sep-12	45.00	$36,439	18.37	$0	$70,704	$34,266	45.60
14328005a	Fab General Struct for Detector Frame FY13	01-Oct-12	26-Oct-12	4.00	$3,343	1.63	$0	$6,486	$3,143	45.60
14328005b	Fab General Struct for Detector Frame Procurement Part A	02-Nov-11	26-Oct-12	49.00	$0	0.00	$177,820	$177,820	$0	45.60
14328005ba	Fab General Struct for Detector Frame Procurement Part B	02-Nov-11	26-Oct-12	49.00	$0	0.00	$8,000	$8,000	$0	45.60
14328010	Fab Supprt for individual Detctr's FY12	02-Nov-11	28-Sep-12	45.00	$33,087	16.39	$0	$37,585	$4,498	34.20
14328010a	Fab Supprt for individual Detctr's FY13	01-Oct-12	28-Jan-13	15.40	$11,685	5.61	$0	$13,273	$1,588	34.20
14328010b	Fab Supprt for individual Detctr's Procurement Part A	02-Nov-11	28-Jan-13	60.40	$0	0.00	$17,400	$17,400	$0	34.20
14328010ba	Fab Supprt for individual Detctr's Procurement Part B	02-Nov-11	28-Jan-13	60.40	$0	0.00	$25,949	$25,949	$0	34.20
14328015	Procure Support Frame	01-Jun-10	30-Sep-10	17.20	$0	0.00	$28,000	$28,000	$0	148.60
14328020	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($213,887)	($213,887)	$0	4.00
24328005	Calorimeter Support Frame TBP	03-Sep-13	31-Oct-13	8.60	$0	0.00	$15,150	$15,150	$0	74.00
24328010ba	Fab Supprt for individual Detctr's Procurement Part B	01-Oct-13	31-Mar-14	23.80	$0	0.00	$30,178	$30,178	$0	70.00
1.4.3.3 COMPUTING		30-Aug-13	02-Dec-14	62.40	$0	0.00	$42,781	$42,781	$0	37.40
1.4.3.3.1 DAQ		30-Aug-13	02-Dec-14	62.40	$0	0.00	$42,781	$42,781	$0	37.40
1433015	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$0	$0	$0	4.00
2433000	Buy 5 Fast PC's for Data Acq & Processing (COMP)	06-Oct-14	02-Dec-14	8.00	$0	0.00	$18,634	$18,634	$0	37.20
2433005	Buy File Servers for Data Acq System (COMP)	06-Oct-14	02-Dec-14	8.00	$0	0.00	$12,073	$12,073	$0	37.20
2433010	Buy 8 Workstations/Monitors (COMP)	06-Oct-14	02-Dec-14	8.00	$0	0.00	$12,073	$12,073	$0	37.20
1.4.3.4 ELECTRONICS		12-Nov-10	10-Feb-14	159.80	$78,592	31.20	$266,537	$357,593	$12,465	63.40
1.4.3.4.1 FAST ELECTRONICS		13-May-11	10-Feb-14	135.80	$78,592	31.20	$207,475	$298,532	$12,465	63.40
14341000	DAQ Trigger Development	29-Oct-12	30-Aug-13	41.60	$33,065	11.35	$0	$33,065	$0	4.00
14341005	Proc TDCs for Wire Chambers (FAST Electrnc's)	05-Jan-12	21-Dec-12	49.00	$0	0.00	$0	$0	$0	38.00
14341007	SOS Signal Cable Prepare for Installation (FAST Electrnc's)	13-May-11	08-Aug-11	12.00	$17,108	10.00	$0	$27,427	$10,319	13.60
14341010	Proc Discriminators for Wire Chambers (FAST Electrnc's)	05-Jan-12	10-Jul-12	26.00	$0	0.00	$0	$0	$0	61.00
14341015	Proc ADCs for Hodoscopes (FAST Electrnc's)	04-Jan-12	30-Nov-12	46.20	$0	0.00	$53,718	$53,718	$0	41.00
14341020	Proc ADCs for Calorimeter (FAST Electrnc's) FY12	05-Jan-12	28-Sep-12	37.40	$0	0.00	$0	$1,625	$1,625	38.00
14341020a	Proc ADCs for Calorimeter (FAST Electrnc's) FY13	01-Oct-12	21-Dec-12	11.60	$0	0.00	$0	$520	$520	38.00
14341025	Proc TDCs for Hodoscopes (FAST Electrnc's)	05-Jan-12	21-Dec-12	49.00	$0	0.00	$0	$0	$0	38.00
14341030	Proc Discriminators for Hodoscopes (FAST Electrnc's)	05-Jan-12	21-Dec-12	49.00	$0	0.00	$0	$0	$0	38.00
14341035	Proc HV for All Detctr's (FAST Electrnc's)	05-Jan-12	21-Dec-12	49.00	$0	0.00	$0	$0	$0	38.00
14341040	Proc CAMAC Controller & Crate (FAST Electrnc's)	05-Jan-12	21-Dec-12	49.00	$0	0.00	$0	$0	$0	38.00
14341045	Proc NIM Crates (FAST Electrnc's)	05-Jan-12	21-Dec-12	49.00	$0	0.00	$0	$0	$0	38.00
14341050	Proc NIM & CAMAC Logic (FAST Electrnc's)	05-Jan-12	21-Dec-12	49.00	$0	0.00	$0	$0	$0	38.00
14341055	Proc scalers (FAST Electrnc's)	05-Jan-12	21-Dec-12	49.00	$0	0.00	$0	$0	$0	38.00
14341060	Proc Cables & Connectors (FAST Electrnc's)	05-Jan-12	21-Dec-12	49.00	$0	0.00	$5,324	$5,324	$0	38.00
14341065	Proc VME Crates (FAST Electrnc's) REF. HallD 1544006	05-Jan-12	29-Jun-12	24.60	$0	0.00	$10,648	$10,648	$0	14.30
14341067	Assemble and Test VME Crates (FAST Electrnc's) REF. HallD 1544025	02-Jul-12	15-Aug-12	6.50	$2,824	1.00	$0	$2,824	$0	14.30
14341070	Proc High-Power 21-slot VME64x/VXS crate for DF2	05-Jan-12	21-Dec-12	49.00	$0	0.00	$10,000	$10,000	$0	38.00
14341075	Proc 2 single-board PC's for DCs, Hodoscopes, Cerenkovs for DF2	05-Jan-12	21-Dec-12	49.00	$0	0.00	$7,000	$7,000	$0	38.00
14341090	Proc SD Module for DF2	05-Jan-12	21-Dec-12	49.00	$0	0.00	$2,500	$2,500	$0	38.00
14341095	Proc 2 TI Modules for DF2	05-Jan-12	21-Dec-12	49.00	$0	0.00	$6,450	$6,450	$0	38.00
14341097	Proc TD Module for DF2	05-Jan-12	21-Dec-12	49.00	$0	0.00	$5,100	$5,100	$0	38.00
14341100	Proc SSP Module for DF2	01-Oct-12	30-Aug-13	45.60	$0	0.00	$0	$0	$0	4.00
14341105	Proc 11 TDC modules with CAEN 1190 specs for DC, Cerenkovs, Hodoscopes - for DF2	01-Oct-12	30-Aug-13	45.60	$0	0.00	$0	$0	$0	4.00
14341110	Proc positive high-voltage modules	05-Jan-12	21-Dec-12	49.00	$0	0.00	$10,000	$10,000	$0	38.00
14341115	Recondition 1 existing VME64x crate (w/o VXS) FY12	05-Jan-12	28-Sep-12	37.40	$6,142	2.18	$0	$6,142	$0	38.00
14341115a	Recondition 1 existing VME64x crate (w/o VXS) FY13	01-Oct-12	21-Dec-12	11.60	$1,966	0.67	$0	$1,966	$0	38.00
14341120	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$91,555	$91,555	$0	4.00
24341000	DAQ Trigger Development FY13	03-Sep-13	30-Sep-13	4.00	$3,362	1.15	$0	$3,362	$0	63.40
24341000a	DAQ Trigger Development FY14	01-Oct-13	10-Feb-14	16.80	$14,124	4.85	$0	$14,124	$0	63.40
24341085	Proc CTP Module for DF2	03-Sep-13	31-Oct-13	8.60	$0	0.00	$5,181	$5,181	$0	75.60
1.4.3.4.2 POWER SUPPLIES & PROBES (Power Supply Infrastructure)		12-Nov-10	02-Jan-14	154.60	$0	0.00	$59,061	$59,061	$0	58.80
14342005	Proc 4 Pwr Supplies for 480V (PWR SUP)	12-Nov-10	12-Nov-10	0.20	$0	0.00	$0	$0	$0	141.40
14342010	Proc LCW Sys for Pwr Supplies (PWR SUP)	15-Nov-10	15-Nov-10	0.20	$0	0.00	$0	$0	$0	141.40
14342020	Proc 5000A Rigid Water Cooled Bus (PWR SUP)	16-Nov-10	16-Nov-10	0.20	$0	0.00	$0	$0	$0	141.40
14342030	Proc 5000A Flexible Lines (PWR SUP)	02-Dec-11	02-Dec-11	0.20	$0	0.00	$0	$0	$0	90.00



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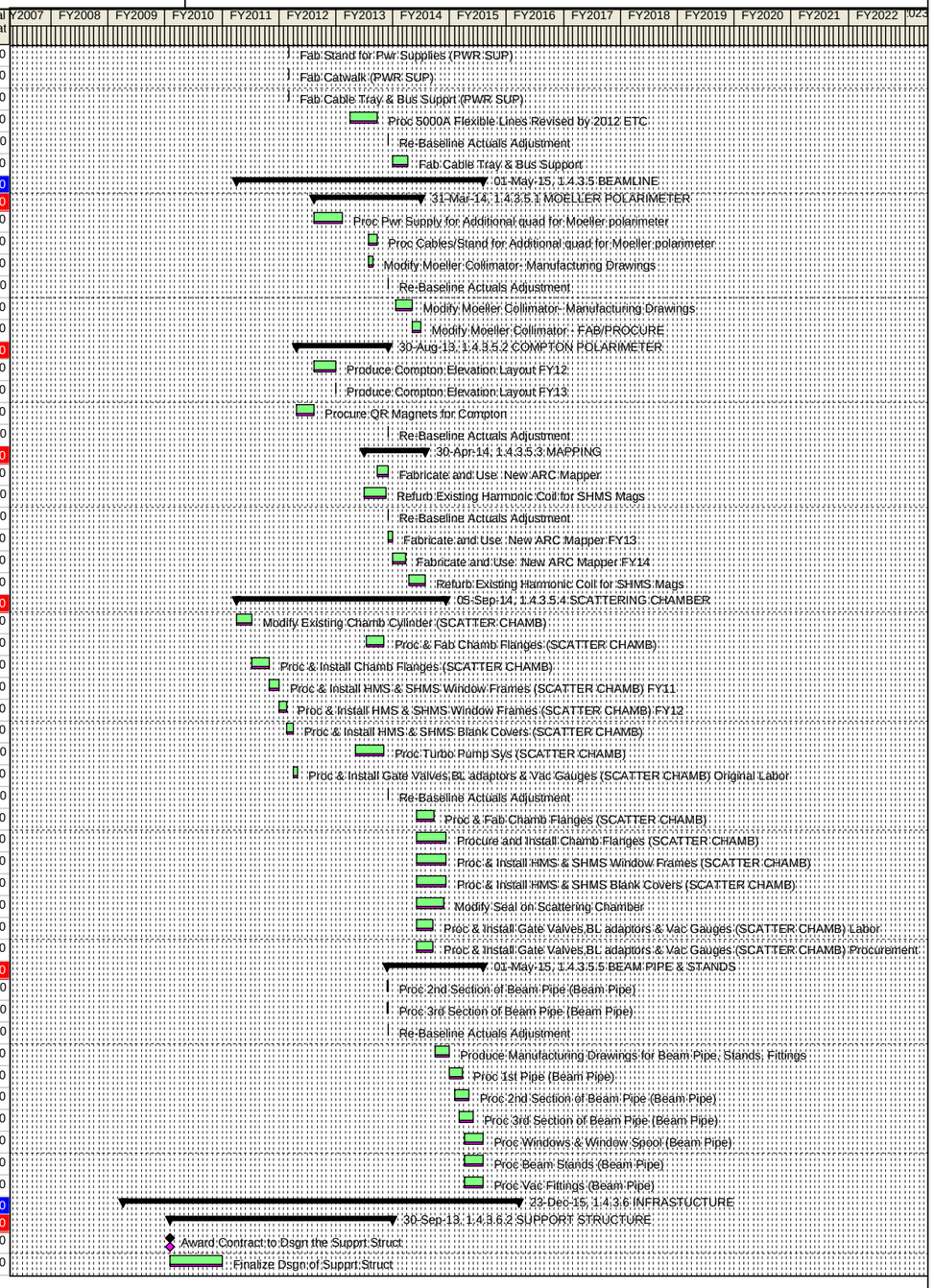
Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
14342035	Fab Stand for Pwr Supplies (PWR SUP)	02-Dec-11	02-Dec-11	0.20	$0	0.00	$0	$0	$0	90.00
14342040	Fab Catwalk (PWR SUP)	05-Dec-11	05-Dec-11	0.20	$0	0.00	$0	$0	$0	90.00
14342045	Fab Cable Tray & Bus Supprt (PWR SUP)	06-Dec-11	06-Dec-11	0.20	$0	0.00	$0	$0	$0	90.00
14342050	Proc 5000A Flexible Lines Revised by 2012 ETC	03-Jan-13	24-Jun-13	24.00	$0	0.00	$61,914	$61,914	$0	13.60
14342060	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($28,650)	($28,650)	$0	4.00
24342055	Fab Cable Tray & Bus Support	01-Oct-13	02-Jan-14	11.60	$0	0.00	$25,798	$25,798	$0	58.80
1.4.3.5 BEAMLINE		05-Jan-11	01-May-15	214.80	$503,605	227.12	$85,149	$716,553	$127,799	119.80
1.4.3.5.1 MOELLER POLARIMETER		14-May-12	31-Mar-14	93.00	$22,452	11.40	$15,342	$47,795	$10,000	105.20
14351005	Proc Pwr Supply for Additional quad for Moeller polarimeter	14-May-12	14-Nov-12	26.00	$0	0.00	$0	$0	$0	43.00
14351010	Proc Cables/Stand for Additional quad for Moeller polarimeter	01-May-13	26-Jun-13	8.00	$0	0.00	$7,848	$7,848	$0	13.00
14351020	Modify Moeller Collimator- Manufacturing Drawings	01-May-13	29-May-13	4.00	$7,954	4.00	$0	$7,954	$0	128.20
14351025	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($15,801)	($15,801)	$0	4.00
24351020	Modify Moeller Collimator- Manufacturing Drawings	18-Oct-13	31-Jan-14	13.00	$7,954	4.00	$0	$7,954	$0	93.60
24351030	Modify Moeller Collimator - FAB/PROCURE	03-Feb-14	31-Mar-14	8.20	$6,545	3.40	$23,296	$39,841	$10,000	105.20
1.4.3.5.2 COMPTON POLARIMETER		20-Jan-12	30-Aug-13	81.00	$15,429	8.00	($6,416)	$9,013	$0	104.60
14352000	Produce Compton Elevation Layout FY12	14-May-12	28-Sep-12	19.40	$14,952	7.76	$0	$14,952	$0	49.00
14352000a	Produce Compton Elevation Layout FY13	01-Oct-12	03-Oct-12	0.60	$477	0.24	$0	$477	$0	49.00
14352005	Procure QR Magnets for Compton	20-Jan-12	15-May-12	16.40	$0	0.00	$0	$0	$0	169.20
14352010	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($6,416)	($6,416)	$0	4.00
1.4.3.5.3 MAPPING		01-Apr-13	30-Apr-14	54.00	$171,325	72.60	($68,125)	$167,237	$64,037	82.20
14353010	Fabricate and Use New ARC Mapper	25-Jun-13	30-Aug-13	9.60	$35,659	15.20	$0	$35,659	$0	114.60
14353015	Refurb Existing Harmonic Coil for SHMS Mags	01-Apr-13	20-Aug-13	20.00	$45,180	19.00	$44,732	$121,930	$32,018	5.60
14353020	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($157,588)	($157,588)	$0	4.00
24353010	Fabricate and Use New ARC Mapper FY13	03-Sep-13	30-Sep-13	4.00	$11,577	4.94	$0	$11,577	$0	98.80
24353010a	Fabricate and Use New ARC Mapper FY14	01-Oct-13	20-Dec-13	11.40	$32,996	14.07	$0	$32,996	$0	98.80
24353015	Refurb Existing Harmonic Coil for SHMS Mags	15-Jan-14	30-Apr-14	15.00	$45,913	19.40	$44,732	$122,663	$32,018	74.00
1.4.3.5.4 SCATTERING CHAMBER		05-Jan-11	05-Sep-14	182.80	$142,150	65.64	$17,485	$210,854	$51,218	151.80
14354005	Modify Existing Chamb Cylinder (SCATTER CHAMB)	05-Jan-11	07-Apr-11	13.00	$6,164	3.00	$33,632	$43,311	$3,515	83.40
14354008	Proc & Fab Chamb Flanges (SCATTER CHAMB)	15-Apr-13	06-Aug-13	16.00	$0	0.00	$0	$10,000	$10,000	87.40
14354010	Proc & Install Chamb Flanges (SCATTER CHAMB)	08-Apr-11	01-Aug-11	16.00	$4,441	2.00	$0	$4,441	$0	83.40
14354015	Proc & Install HMS & SHMS Window Frames (SCATTER CHAMB) FY11	02-Aug-11	30-Sep-11	8.60	$7,172	3.76	$0	$7,172	$0	83.40
14354015a	Proc & Install HMS & SHMS Window Frames (SCATTER CHAMB) FY12	03-Oct-11	22-Nov-11	7.40	$6,368	3.24	$0	$6,368	$0	83.40
14354020	Proc & Install HMS & SHMS Blank Covers (SCATTER CHAMB)	23-Nov-11	29-Dec-11	4.00	$7,707	4.00	$0	$7,707	$0	83.40
14354025	Proc Turbo Pump Sys (SCATTER CHAMB)	01-Feb-13	06-Aug-13	26.00	$0	0.00	$44,671	$44,671	$0	7.60
14354030	Proc & Install Gate Valves,BL adaptors & Vac Gauges (SCATTER CHAMB) Original Labor	30-Dec-11	31-Jan-12	4.20	$7,380	3.64	$0	$16,746	$9,366	83.40
14354035	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($107,038)	($107,038)	$0	4.00
24354008	Proc & Fab Chamb Flanges (SCATTER CHAMB)	05-Mar-14	25-Jun-14	16.00	$0	0.00	$0	$10,000	$10,000	161.80
24354010	Procure and Install Chamb Flanges (SCATTER CHAMB)	05-Mar-14	05-Sep-14	26.00	$4,729	2.00	$0	$4,729	$0	68.20
24354015a	Proc & Install HMS & SHMS Window Frames (SCATTER CHAMB)	05-Mar-14	05-Sep-14	26.00	$14,209	7.00	$0	$14,209	$0	68.20
24354020	Proc & Install HMS & SHMS Blank Covers (SCATTER CHAMB)	05-Mar-14	05-Sep-14	26.00	$7,954	4.00	$0	$7,954	$0	68.20
24354022	Modify Seal on Scattering Chamber	05-Mar-14	21-Aug-14	24.00	$48,828	20.00	$10,000	$58,828	$0	64.20
24354030	Proc & Install Gate Valves,BL adaptors & Vac Gauges (SCATTER CHAMB) Labor	05-Mar-14	18-Jun-14	15.00	$27,199	13.00	$0	$45,536	$18,337	68.20
24354030b	Proc & Install Gate Valves,BL adaptors & Vac Gauges (SCATTER CHAMB) Procurement	05-Mar-14	18-Jun-14	15.00	$0	0.00	$36,220	$36,220	$0	68.20
1.4.3.5.5 BEAM PIPE & STANDS		28-Aug-13	01-May-15	82.80	$152,248	69.48	$126,863	$281,655	$2,544	25.80
14355010	Proc 2nd Section of Beam Pipe (Beam Pipe)	28-Aug-13	30-Aug-13	0.60	$494	0.23	$0	$494	$0	4.00
14355015	Proc 3rd Section of Beam Pipe (Beam Pipe)	28-Aug-13	30-Aug-13	0.60	$539	0.25	$0	$597	$57	4.00
14355035	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($1,090)	($1,090)	$0	4.00
24355000	Produce Manufacturing Drawings for Beam Pipe, Stands, Fittings	01-Jul-14	01-Oct-14	13.00	$54,240	25.00	$0	$54,240	$0	54.00
24355005	Proc 1st Pipe (Beam Pipe)	01-Oct-14	23-Dec-14	11.60	$17,411	8.00	$13,715	$31,126	$0	39.20
24355010	Proc 2nd Section of Beam Pipe (Beam Pipe)	03-Nov-14	02-Feb-15	11.00	$21,388	10.00	$21,177	$42,565	$0	22.40
24355015	Proc 3rd Section of Beam Pipe (Beam Pipe)	02-Dec-14	02-Mar-15	11.20	$23,376	11.00	$26,151	$52,014	$2,487	22.40
24355020	Proc Windows & Window Spool (Beam Pipe)	05-Jan-15	01-May-15	16.80	$34,800	15.00	$34,892	$69,692	$0	23.40
24355025	Proc Beam Stands (Beam Pipe)	05-Jan-15	01-May-15	16.80	$0	0.00	$17,446	$17,446	$0	22.40
24355030	Proc Vac Fittings (Beam Pipe)	05-Jan-15	01-May-15	16.80	$0	0.00	$14,572	$14,572	$0	24.40
1.4.3.6 INFRASTUCTURE		05-Jan-09	23-Dec-15	346.40	$3,223,135	1521.63	$5,011,893	$8,778,926	$543,898	87.40
1.4.3.6.2 SUPPORT STRUCTURE		02-Nov-09	30-Sep-13	193.80	$605,232	264.48	$1,549,538	$2,172,881	$18,112	198.00
14362000M	Award Contract to Dsgn the Supprt Struct	02-Nov-09		0.00	$0	0.00	$0	$0	$0	59.20
14362005	Finalize Dsgn of Supprt Struct	02-Nov-09	30-Sep-10	45.20	$20,496	9.23	$50,697	$71,193	$0	59.20



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Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
14362006	SS/SH Engineering Support FY10	01-Sep-10	30-Sep-10	4.20	$51,657	23.25	$909	$52,566	$0	59.20
14362007	SS/SH Engineering Support FY11	01-Oct-10	30-Sep-11	49.60	$0	0.00	$139,307	$139,307	$0	59.20
14362010M	Review Final Dsgn of Supprt Struct		27-Oct-10	0.00	$0	0.00	$0	$0	$0	61.20
14362011	SS/SH Engineering Support FY12	03-Oct-11	28-Sep-12	49.40	$0	0.00	$127,778	$127,778	$0	59.20
14362012	Produce Drawings - Rails & Base of Supprt Struct	02-Dec-10	05-Jan-11	3.80	$25,810	12.00	$0	$25,810	$0	61.20
14362013	Procurement Prep - Rails & Base of Supprt Struct	10-Feb-11	08-Mar-11	3.60	$5,436	2.00	$0	$5,436	$0	69.40
14362015	PreFab Rails & Base of Supprt Struct	07-Dec-11	04-May-12	20.00	$7,536	3.00	$82,552	$90,088	$0	31.40
14362016	Produce Drawings - Pivot Sections of Supprt Struct	06-Jan-11	03-Feb-11	4.00	$25,810	12.00	$0	$25,810	$0	61.20
14362017	Procurement Prep - Pivot Sections of Supprt Struct	09-Mar-11	05-Apr-11	4.00	$5,436	2.00	$0	$5,436	$0	74.80
14362020	PreFab Pivot Sections of Supprt Struct	07-Dec-11	19-Jun-12	26.00	$5,610	2.00	$61,914	$73,561	$6,037	42.60
14362021	Produce Drawings - Mag Section of Supprt Struct	11-Jul-11	10-Aug-11	4.60	$30,395	14.00	$0	$30,395	$0	61.20
14362022	Procurement Prep - Mag Section of Supprt Struct	11-Aug-11	06-Sep-11	3.60	$5,436	2.00	$0	$5,436	$0	61.20
14362025	PreFab Mag Section #20 of Supprt Struct	07-Dec-11	04-May-12	20.00	$32,243	14.00	$157,461	$195,741	$6,037	48.60
14362026	Produce Drawings - Detector Section of Supprt Struct	06-Apr-11	02-May-11	3.80	$25,810	12.00	$0	$25,810	$0	61.20
14362027	Procurement Prep - Detector Section of Supprt Struct	03-May-11	27-May-11	3.80	$5,436	2.00	$0	$5,436	$0	63.60
14362030	PreFab Detector Section #30 of Supprt Struct	05-Jan-12	25-May-12	20.00	$7,536	3.00	$165,160	$172,696	$0	45.60
14362031	Produce Drawings - Wheel Section of Supprt Struct	06-Jun-11	08-Jul-11	4.80	$32,262	15.00	$0	$32,262	$0	61.20
14362032	Procurement Prep - Wheel Section of Supprt Struct	11-Jul-11	04-Aug-11	3.80	$5,436	2.00	$0	$5,436	$0	62.00
14362035	PreFab Wheel Section of Supprt Struct	05-Jan-12	25-May-12	20.00	$7,536	3.00	$152,712	$166,286	$6,037	45.60
14362035a	PreFab #100 section of Support STructure and Inner Race	04-Jan-12	25-Jun-12	24.00	$0	0.00	$63,000	$63,000	$0	41.80
14362036	Produce Drawings - Mag Mounts of Supprt Struct	08-Mar-11	05-Apr-11	4.20	$25,810	12.00	$0	$25,810	$0	61.20
14362037	Procurement Prep - Mag Mounts of Supprt Struct	04-May-11	31-May-11	3.80	$5,436	2.00	$0	$5,436	$0	74.80
14362040	PreFab Mag Mounts of Supprt Struct	03-Feb-12	26-Jun-12	20.00	$2,805	1.00	$0	$2,805	$0	41.60
14362041	Produce Drawings - Access Platforms of Supprt Struct	04-Feb-11	07-Mar-11	4.20	$25,810	12.00	$0	$25,810	$0	61.20
14362042	Procurement Prep - Access Platforms of Supprt Struct	06-Apr-11	03-May-11	4.00	$5,436	2.00	$0	$5,436	$0	74.80
14362045	PreFab Access Platforms of Supprt Struct	02-Apr-12	21-Aug-12	20.00	$4,732	2.00	$82,552	$87,284	$0	33.60
14362046	Produce Drawings - Bogies	02-Dec-10	11-Jan-11	4.60	$32,262	15.00	$0	$32,262	$0	69.40
14362046a	Produce Drawings - Wheels	28-Oct-10	01-Dec-10	4.60	$32,262	15.00	$0	$32,262	$0	61.20
14362047	Procurement Prep - Bogies	12-Jan-11	09-Feb-11	4.00	$5,436	2.00	$0	$5,436	$0	69.40
14362047a	Procurement Prep - Wheels	02-Dec-10	06-Jan-11	4.00	$5,436	2.00	$0	$5,436	$0	84.80
14362050	PreFab Double Bogies of Supprt Struct	03-Oct-11	11-May-12	30.00	$15,073	6.00	$312,504	$327,577	$0	47.60
14362050a	PreFab Wheels of Supprt Struct	03-Oct-11	11-May-12	30.00	$9,463	4.00	$163,496	$172,959	$0	47.60
14362051	Produce Drawings - Other Compnts of Supprt Struct	03-May-11	03-Jun-11	4.60	$32,262	15.00	$0	$32,262	$0	61.20
14362052	Procurement Prep - Other Compnts of Supprt Struct	06-Jun-11	01-Jul-11	4.00	$5,436	2.00	$0	$5,436	$0	62.80
14362055	PreFab Other Compnts of Supprt Struct	12-Jan-12	05-Jun-12	20.00	$9,463	4.00	$61,914	$71,377	$0	44.60
14362060	Proc Drive Motors & Reducers of Supprt Struct	12-Jan-12	06-Apr-12	12.00	$11,219	4.00	$0	$11,219	$0	58.60
14362065	Electrical System Final Drawings	05-Jan-12	26-Jun-12	24.00	$26,704	12.00	$0	$26,704	$0	63.00
14362070	Fire Safety and HVAC Final Drawings	05-Jan-12	26-Jun-12	24.00	$13,326	6.00	$0	$13,326	$0	63.00
14362075	Fab Main Bearing of Supprt Struct Labor FY11	01-Oct-10	30-Sep-11	49.60	$9,097	3.97	$0	$9,097	$0	76.20
14362075a	Fab Main Bearing of Supprt Struct Labor FY12	03-Oct-11	04-Oct-11	0.40	$76	0.03	$0	$76	$0	76.20
14362075b	Fab Main Bearing of Supprt Struct Procurement	01-Oct-10	04-Oct-11	50.00	$0	0.00	$83,904	$83,904	$0	76.20
14362811LOE	Overlook Various Subcontracts of Supprt Struct	01-Oct-10	30-Sep-11	49.60	$13,686	5.00	$0	$13,686	$0	247.60
14362812LOE	Overlook Various Subcontracts of Supprt Struct	03-Oct-11	28-Sep-12	49.40	$14,122	5.00	$0	$14,122	$0	247.60
14362950	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($157,840)	($157,840)	$0	4.00
24362000	Engineering Consulting	03-Sep-13	30-Sep-13	4.00	$0	0.00	$1,520	$1,520	$0	110.20
1.4.3.6.3 SHIELD HOUSE		02-Nov-09	30-Jan-14	209.60	$201,762	91.98	$628,363	$899,776	$69,650	94.80
14363005M	Award Contract for Final Dsgn of Shield House (SHIELD HOUSE)	02-Nov-09		0.00	$0	0.00	$0	$0	$0	88.00
14363010	Finalize Dsgn of Shield House (SHIELD HOUSE)	26-Apr-10	30-Sep-10	22.20	$37,942	17.08	$13,394	$56,177	$4,841	65.00
14363021	Produce Drawings - Steel (SHIELD HOUSE) FY11	11-Aug-11	30-Sep-11	7.20	$48,705	22.65	$0	$48,705	$0	68.80
14363021a	Produce Drawings - Steel (SHIELD HOUSE) FY12	03-Oct-11	07-Nov-11	5.20	$36,299	16.35	$0	$36,299	$0	68.80
14363021b	Produce Drawings FY13	02-Jan-13	31-Jul-13	29.40	$31,814	16.00	$0	$31,814	$0	8.40
14363022	Procurement Prep - Steel (SHIELD HOUSE)	08-Nov-11	07-Dec-11	4.00	$5,610	2.00	$0	$5,610	$0	69.80
14363025	Fab Steel Supprt (SHIELD HOUSE)	08-Dec-11	07-May-12	20.00	$26,037	12.00	$0	$26,037	$0	69.80
14363030	Proc Boron and Lead Shielding (SHIELD HOUSE) Part A	03-Jan-13	29-Mar-13	12.00	$0	0.00	$531,429	$531,429	$0	12.60
14363030a	Proc Boron and Lead Shielding (SHIELD HOUSE) Part B	03-Jan-13	29-Mar-13	12.00	$0	0.00	$61,914	$61,914	$0	12.60
14363035	Fab Doors and associated hardware for Shield House (SHIELD HOUSE) (Future Activity...	30-Aug-13	30-Aug-13	0.20	$0	0.00	$0	$0	$0	4.00
14363060	Fab Various Small Components (SHIELD HOUSE)	01-Apr-13	01-Jul-13	13.00	$5,789	2.00	$7,244	$45,438	$32,405	12.60

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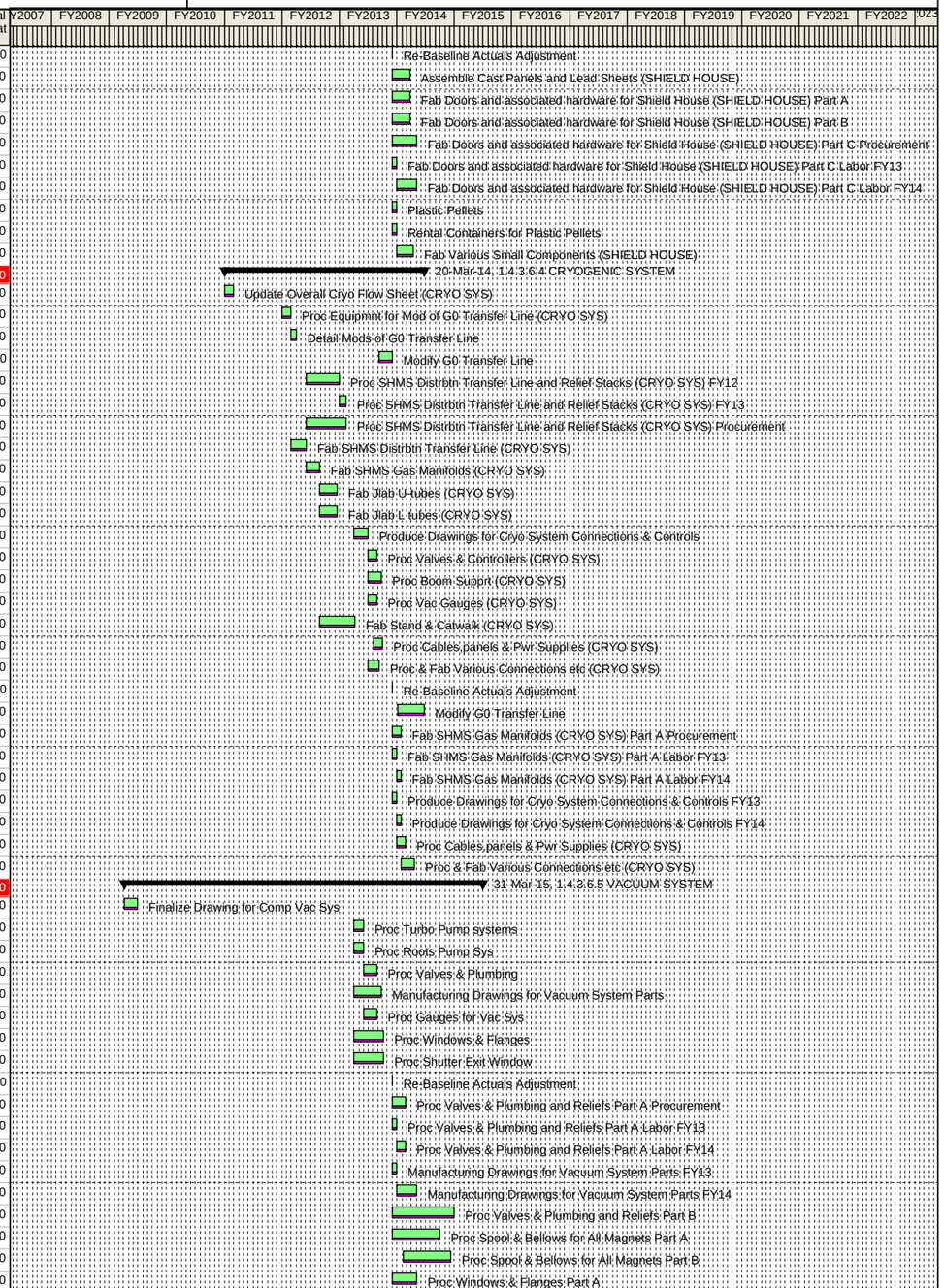
Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
14363065	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($28,609)	($28,609)	$0	4.00
24363030aa	Assemble Cast Panels and Lead Sheets (SHIELD HOUSE)	03-Sep-13	20-Dec-13	15.40	$0	0.00	$7,775	$7,775	$0	37.20
24363035	Fab Doors and associated hardware for Shield House (SHIELD HOUSE) Part A	03-Sep-13	20-Dec-13	15.40	$0	0.00	$15,590	$15,590	$0	41.80
24363036	Fab Doors and associated hardware for Shield House (SHIELD HOUSE) Part B	03-Sep-13	20-Dec-13	15.40	$0	0.00	$1,987	$1,987	$0	41.80
24363037	Fab Doors and associated hardware for Shield House (SHIELD HOUSE) Part C Procure...	03-Sep-13	30-Jan-14	19.40	$0	0.00	$8,111	$8,111	$0	37.80
24363037a	Fab Doors and associated hardware for Shield House (SHIELD HOUSE) Part C Labor F...	03-Sep-13	30-Sep-13	4.00	$779	0.39	$0	$779	$0	37.80
24363037b	Fab Doors and associated hardware for Shield House (SHIELD HOUSE) Part C Labor F...	01-Oct-13	30-Jan-14	15.40	$2,999	1.51	$0	$2,999	$0	37.80
24363041	Plastic Pellets	03-Sep-13	30-Sep-13	4.00	$0	0.00	$1,949	$1,949	$0	110.20
24363046	Rental Containers for Plastic Pellets	03-Sep-13	30-Sep-13	4.00	$0	0.00	$336	$336	$0	110.20
24363060	Fab Various Small Components (SHIELD HOUSE)	01-Oct-13	13-Jan-14	13.00	$5,789	2.00	$7,244	$45,438	$32,405	80.80
1.4.3.6.4 CRYOGENIC SYSTEM		01-Oct-10	20-Mar-14	171.20	$382,075	187.54	$594,501	$1,052,031	$75,455	47.80
14364005	Update Overall Cryo Flow Sheet (CRYO SYS)	01-Oct-10	29-Nov-10	8.00	$12,905	6.00	$0	$12,905	$0	78.60
14364010	Proc Equipmnt for Mod of G0 Transfer Line (CRYO SYS)	03-Oct-11	29-Nov-11	8.00	$0	0.00	$36,223	$36,223	$0	37.00
14364015	Detail Mods of G0 Transfer Line	30-Nov-11	30-Dec-11	3.60	$6,128	3.00	$0	$6,128	$0	76.00
14364016	Modify G0 Transfer Line	12-Jun-13	30-Aug-13	11.40	$75,900	40.27	$0	$75,900	$0	4.00
14364020	Proc SHMS Distrbtn Transfer Line and Relief Stacks (CRYO SYS) FY12	05-Mar-12	28-Sep-12	29.40	$0	0.00	$0	$5,427	$5,427	37.00
14364020a	Proc SHMS Distrbtn Transfer Line and Relief Stacks (CRYO SYS) FY13	01-Oct-12	14-Nov-12	6.60	$0	0.00	$0	$1,257	$1,257	37.00
14364020b	Proc SHMS Distrbtn Transfer Line and Relief Stacks (CRYO SYS) Procurement	05-Mar-12	14-Nov-12	36.00	$0	0.00	$330,000	$330,000	$0	37.00
14364025	Fab SHMS Distrbtn Transfer Line (CRYO SYS)	30-Nov-11	02-Mar-12	12.00	$25,440	12.00	$0	$50,794	$25,354	37.00
14364030	Fab SHMS Gas Manifolds (CRYO SYS)	05-Mar-12	25-May-12	12.00	$16,574	8.00	$30,186	$52,797	$6,037	37.00
14364035	Fab Jlab U-tubes (CRYO SYS)	29-May-12	19-Sep-12	16.00	$8,585	4.00	$43,466	$52,051	$0	51.00
14364040	Fab Jlab L tubes (CRYO SYS)	29-May-12	19-Sep-12	16.00	$10,512	5.00	$24,149	$34,661	$0	51.00
14364043	Produce Drawings for Cryo System Connections & Controls	02-Jan-13	28-Mar-13	12.00	$39,062	16.00	$0	$39,062	$0	13.40
14364045	Proc Valves & Controllers (CRYO SYS)	29-Mar-13	23-May-13	8.00	$2,894	1.00	$29,906	$32,800	$0	17.80
14364050	Proc Boom Supprt (CRYO SYS)	29-Mar-13	21-Jun-13	12.00	$0	0.00	$20,682	$20,682	$0	13.40
14364055	Proc Vac Gauges (CRYO SYS)	29-Mar-13	23-May-13	8.00	$0	0.00	$14,947	$14,947	$0	17.80
14364060	Fab Stand & Catwalk (CRYO SYS)	29-May-12	07-Jan-13	30.00	$0	0.00	$0	$0	$0	37.00
14364065	Proc Cables,panels & Pwr Supplies (CRYO SYS)	03-May-13	28-Jun-13	8.00	$9,766	4.00	$12,460	$22,225	$0	12.80
14364075	Proc & Fab Various Connections etc (CRYO SYS)	29-Mar-13	07-Jun-13	10.00	$2,894	1.00	$36,884	$58,468	$18,689	15.80
14364080	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($63,930)	($63,930)	$0	4.00
24364016	Modify G0 Transfer Line	08-Oct-13	20-Mar-14	21.40	$142,478	75.60	$0	$142,478	$0	47.60
24364030	Fab SHMS Gas Manifolds (CRYO SYS) Part A Procurement	03-Sep-13	24-Oct-13	7.60	$0	0.00	$10,196	$10,196	$0	56.40
24364030a	Fab SHMS Gas Manifolds (CRYO SYS) Part A Labor FY13	03-Sep-13	30-Sep-13	4.00	$5,140	2.11	$0	$5,140	$0	56.40
24364030b	Fab SHMS Gas Manifolds (CRYO SYS) Part A Labor FY14	01-Oct-13	24-Oct-13	3.60	$4,626	1.89	$0	$4,626	$0	56.40
24364043	Produce Drawings for Cryo System Connections & Controls FY13	03-Sep-13	30-Sep-13	4.00	$3,028	1.24	$0	$3,028	$0	57.40
24364043a	Produce Drawings for Cryo System Connections & Controls FY14	01-Oct-13	24-Oct-13	3.60	$3,483	1.43	$0	$3,483	$0	57.40
24364065	Proc Cables,panels & Pwr Supplies (CRYO SYS)	01-Oct-13	21-Nov-13	7.60	$9,766	4.00	$12,460	$22,225	$0	62.40
24364075	Proc & Fab Various Connections etc (CRYO SYS)	25-Oct-13	16-Jan-14	10.00	$2,894	1.00	$56,874	$78,458	$18,689	56.40
1.4.3.6.5 VACUUM SYSTEM		05-Jan-09	31-Mar-15	309.40	$75,583	36.00	$438,511	$514,094	$0	30.00
14365005	Finalize Drawing for Comp Vac Sys	05-Jan-09	31-Mar-09	12.00	$9,567	5.00	$0	$9,567	$0	17.60
14365010	Proc Turbo Pump systems	03-Jan-13	01-Mar-13	8.00	$4,729	2.00	$93,447	$98,176	$0	17.60
14365015	Proc Roots Pump Sys	03-Jan-13	01-Mar-13	8.00	$1,447	0.50	$43,609	$45,056	$0	17.60
14365020	Proc Valves & Plumbing	04-Mar-13	24-May-13	12.00	$2,894	1.00	$37,379	$40,273	$0	17.60
14365023	Manufacturing Drawings for Vacuum System Parts	02-Jan-13	21-Jun-13	24.00	$39,768	20.00	$0	$39,768	$0	13.80
14365025	Proc Gauges for Vac Sys	04-Mar-13	24-May-13	12.00	$0	0.00	$24,919	$24,919	$0	17.60
14365035	Proc Windows & Flanges	03-Jan-13	09-Jul-13	26.00	$0	0.00	$37,379	$37,379	$0	11.60
14365040	Proc Shutter Exit Window	03-Jan-13	09-Jul-13	26.00	$0	0.00	$24,919	$24,919	$0	11.60
14365055	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($108,783)	($108,783)	$0	4.00
24365020	Proc Valves & Plumbing and Reliefs Part A Procurement	03-Sep-13	27-Nov-13	12.40	$0	0.00	$20,707	$20,707	$0	71.60
24365020a	Proc Valves & Plumbing and Reliefs Part A Labor FY13	03-Sep-13	30-Sep-13	4.00	$467	0.16	$0	$467	$0	71.60
24365020b	Proc Valves & Plumbing and Reliefs Part A Labor FY14	01-Oct-13	27-Nov-13	8.40	$980	0.34	$0	$980	$0	71.60
24365023	Manufacturing Drawings for Vacuum System Parts FY13	03-Sep-13	30-Sep-13	4.00	$2,029	1.02	$0	$2,029	$0	30.00
24365023a	Manufacturing Drawings for Vacuum System Parts FY14	01-Oct-13	31-Jan-14	15.60	$7,913	3.98	$0	$7,913	$0	30.00
24365025	Proc Valves & Plumbing and Reliefs Part B	03-Sep-13	30-Sep-14	53.40	$0	0.00	$88,724	$88,724	$0	30.60
24365030	Proc Spool & Bellows for All Magnets Part A	03-Sep-13	30-Jun-14	40.60	$0	0.00	$14,447	$14,447	$0	39.60
24365032	Proc Spool & Bellows for All Magnets Part B	08-Nov-13	08-Sep-14	40.60	$0	0.00	$20,000	$20,000	$0	30.00
24365035	Proc Windows & Flanges Part A	03-Sep-13	31-Jan-14	19.60	$0	0.00	$18,066	$18,066	$0	48.60



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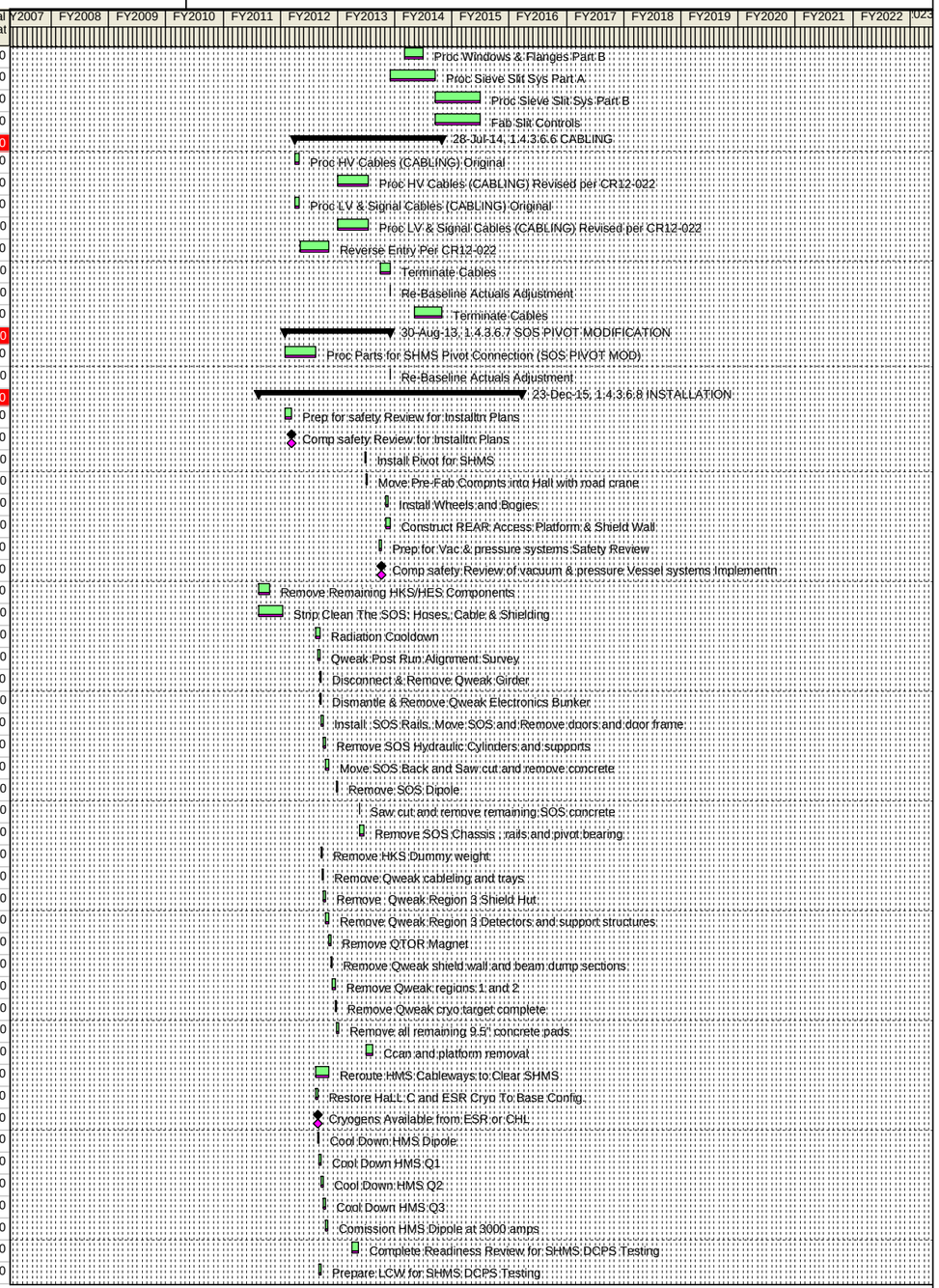
Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
24365040	Proc Windows & Flanges Part B	04-Dec-13	31-Mar-14	15.00	$0	0.00	$19,313	$19,313	$0	40.40
24365045	Proc Sieve Slit Sys Part A	03-Sep-13	13-Jun-14	38.40	$0	0.00	$29,198	$29,198	$0	68.80
24365047	Proc Sieve Slit Sys Part B	13-Jun-14	26-Mar-15	38.40	$0	0.00	$63,100	$63,100	$0	30.60
24365050	Fab Slit Controls	13-Jun-14	31-Mar-15	39.00	$5,789	2.00	$12,087	$17,875	$0	30.00
1.4.3.6.6 CABLING		05-Jan-12	28-Jul-14	127.60	$22,622	11.82	($1,287)	$21,334	$0	45.40
14366005	Proc HV Cables (CABLING) Original	05-Jan-12	31-Jan-12	3.60	$195	0.07	$0	$195	$0	83.40
14366007	Proc HV Cables (CABLING) Revised per CR12-022	01-Oct-12	12-Apr-13	26.00	$1,456	0.50	$42,257	$43,713	$0	23.60
14366010	Proc LV & Signal Cables (CABLING) Original	05-Jan-12	31-Jan-12	3.60	$195	0.07	$0	$195	$0	83.40
14366015	Proc LV & Signal Cables (CABLING) Revised per CR12-022	01-Oct-12	12-Apr-13	26.00	$1,456	0.50	$18,110	$19,566	$0	4.00
14366020	Reverse Entry Per CR12-022	03-Feb-12	07-Aug-12	26.00	($391)	-0.14	$0	($391)	$0	57.00
14366025	Terminate Cables	02-Jul-13	30-Aug-13	8.60	$5,136	2.82	$0	$5,136	$0	4.00
14366030	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($61,654)	($61,654)	$0	4.00
24366025	Terminate Cables	05-Feb-14	28-Jul-14	24.40	$14,573	8.00	$0	$14,573	$0	45.00
1.4.3.6.7 SOS PIVOT MODIFICATION		02-Nov-11	30-Aug-13	90.60	$4,732	2.00	($4,732)	$0	$0	4.00
14367005	Proc Parts for SHMS Pivot Connection (SOS PIVOT MOD)	02-Nov-11	15-May-12	26.00	$4,732	2.00	$0	$4,732	$0	46.20
14367010	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($4,732)	($4,732)	$0	4.00
1.4.3.6.8 INSTALLATION		13-May-11	23-Dec-15	229.20	$1,931,130	927.82	$1,806,998	$4,118,809	$380,681	87.40
14368005	Prep for safety Review for Installtn Plans	02-Nov-11	08-Dec-11	5.00	$37,923	16.00	$0	$37,923	$0	31.40
14368010M	Comp safety Review for Installtn Plans		08-Dec-11	0.00	$0	0.00	$0	$0	$0	31.40
14368015	Install Pivot for SHMS	26-Mar-13	01-Apr-13	1.00	$8,552	4.00	$10,000	$18,552	$0	4.00
14368020	Move Pre-Fab Compnts into Hall with road crane	02-Apr-13	04-Apr-13	0.60	$5,657	3.00	$36,000	$41,657	$0	4.00
14368027	Install Wheels and Bogies	08-Aug-13	21-Aug-13	2.00	$23,648	11.40	$60,000	$83,648	$0	5.40
14368028	Construct REAR Access Platform & Shield Wall	08-Aug-13	30-Aug-13	3.40	$12,985	6.23	$0	$12,985	$0	4.00
14368115	Prep for Vac & pressure systems Safety Review	25-Jun-13	09-Jul-13	2.00	$5,789	2.00	$0	$5,789	$0	11.60
14368120M	Comp safety Review of vacuum & pressure Vessel systems Implementn		09-Jul-13	0.00	$0	0.00	$0	$0	$0	11.60
14368170	Remove Remaining HKS/HES Components	13-May-11	25-Jul-11	10.00	$0	0.00	$0	$0	$0	15.60
14368171	Strip Clean The SOS: Hoses, Cable & Shielding	13-May-11	18-Oct-11	22.00	$0	0.00	$0	$0	$0	3.60
14368172	Radiation Cooldown	14-May-12	12-Jun-12	4.00	$0	0.00	$0	$0	$0	4.00
14368172a	Qweak Post Run Alignment Survey	29-May-12	12-Jun-12	2.00	$0	0.00	$0	$0	$0	4.00
14368173	Disconnect & Remove Qweak Girder	13-Jun-12	19-Jun-12	1.00	$0	0.00	$0	$0	$0	41.60
14368174	Dismantle & Remove Qweak Electronics Bunker	13-Jun-12	19-Jun-12	1.00	$0	0.00	$0	$0	$0	4.00
14368174a	Install SOS Rails, Move SOS and Remove doors and door frame	20-Jun-12	03-Jul-12	2.00	$0	0.00	$0	$0	$0	11.60
14368174b	Remove SOS Hydraulic Cylinders and supports	04-Jul-12	17-Jul-12	2.00	$0	0.00	$0	$0	$0	11.60
14368174c	Move SOS Back and Saw cut and remove concrete	18-Jul-12	07-Aug-12	3.00	$0	0.00	$0	$0	$0	11.60
14368174d	Remove SOS Dipole	24-Sep-12	28-Sep-12	1.00	$0	0.00	$0	$0	$0	5.20
14368174f	Saw cut and remove remaining SOS concrete	15-Feb-13	20-Feb-13	0.60	$0	0.00	$0	$0	$0	5.20
14368174g	Remove SOS Chassis , rails and pivot bearing	21-Feb-13	15-Mar-13	3.40	$0	0.00	$0	$0	$0	5.20
14368174h	Remove HKS Dummy weight	20-Jun-12	21-Jun-12	0.40	$0	0.00	$0	$0	$0	4.00
14368174j	Remove Qweak cableling and trays	22-Jun-12	28-Jun-12	1.00	$0	0.00	$0	$0	$0	4.00
14368174k	Remove Qweak Region 3 Shield Hut	29-Jun-12	16-Jul-12	2.40	$0	0.00	$0	$0	$0	4.00
14368174n	Remove Qweak Region 3 Detectors and support structures	17-Jul-12	06-Aug-12	3.00	$0	0.00	$0	$0	$0	4.00
14368174p	Remove QTOR Magnet	07-Aug-12	20-Aug-12	2.00	$0	0.00	$0	$0	$0	4.00
14368174q	Remove Qweak shield wall and beam dump sections	21-Aug-12	27-Aug-12	1.00	$0	0.00	$0	$0	$0	4.00
14368174r	Remove Qweak regions 1 and 2	28-Aug-12	14-Sep-12	2.60	$0	0.00	$0	$0	$0	4.00
14368174s	Remove Qweak cryo target complete	17-Sep-12	21-Sep-12	1.00	$0	0.00	$0	$0	$0	4.00
14368174t	Remove all remaining 9.5" concrete pads	24-Sep-12	05-Oct-12	2.00	$0	0.00	$0	$0	$0	4.00
14368175	Ccan and platform removal	02-Apr-13	13-May-13	6.00	$52,287	28.00	$0	$52,287	$0	4.00
14368176	Reroute HMS Cableways to Clear SHMS	14-May-12	07-Aug-12	12.00	$7,409	4.00	$10,648	$18,057	$0	35.60
14368180	Restore HaLL C and ESR Cryo To Base Config.	14-May-12	25-May-12	2.00	$0	0.00	$0	$0	$0	55.00
14368182M	Cryogens Available from ESR or CHL	29-May-12		0.00	$0	0.00	$0	$0	$0	55.00
14368185	Cool Down HMS Dipole	29-May-12	05-Jun-12	1.00	$0	0.00	$0	$0	$0	55.00
14368190	Cool Down HMS Q1	06-Jun-12	19-Jun-12	2.00	$0	0.00	$0	$0	$0	55.00
14368195	Cool Down HMS Q2	20-Jun-12	03-Jul-12	2.00	$0	0.00	$0	$0	$0	55.00
14368200	Cool Down HMS Q3	04-Jul-12	17-Jul-12	2.00	$0	0.00	$0	$0	$0	55.00
14368205	Comission HMS Dipole at 3000 amps	18-Jul-12	31-Jul-12	2.00	$0	0.00	$0	$0	$0	55.00
14368207	Complete Readiness Review for SHMS DCPS Testing	02-Jan-13	13-Feb-13	6.00	$7,797	3.00	$0	$7,797	$0	59.40
14368210	Prepare LCW for SHMS DCPS Testing	06-Jun-12	19-Jun-12	2.00	$12,720	6.00	$0	$18,044	$5,324	59.40



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Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
14368215	Prepare AC Power for SHMS DCPS Testing	06-Jun-12	19-Jun-12	2.00	$12,706	6.00	$0	$23,354	$10,648	59.40
14368220	Connect HMS Q1 to SHMS DCPS #1	20-Jun-12*	21-Jun-12	0.40	$1,412	0.80	$0	$1,412	$0	59.00
14368225	Test Power Supply DCPS #1	22-Jun-12	26-Jun-12	0.60	$3,366	1.20	$0	$3,366	$0	59.00
14368230	Connect HMS Q1 to SHMS DCPS #2	27-Jun-12	28-Jun-12	0.40	$1,412	0.80	$0	$1,412	$0	59.00
14368235	Test Power Supply DCPS #2	29-Jun-12	03-Jul-12	0.60	$3,366	1.20	$0	$3,366	$0	59.00
14368240	Connect HMS Dipole to SHMS DCPS #3	17-Apr-13	18-Apr-13	0.40	$1,457	0.80	$0	$1,457	$0	20.20
14368245	Test Power Supply DCPS #3	19-Apr-13	23-Apr-13	0.60	$3,473	1.20	$0	$3,473	$0	20.20
14368250	Connect HMS Dipole to SHMS DCPS #4	24-Apr-13	25-Apr-13	0.40	$1,457	0.80	$0	$1,457	$0	20.20
14368255	Test Power Supply DCPS #4	26-Apr-13	30-Apr-13	0.60	$3,473	1.20	$0	$3,473	$0	20.20
14368260	Connect HMS Dipole to SHMS DCPS #5	01-May-13	02-May-13	0.40	$1,457	0.80	$0	$1,457	$0	20.20
14368265	Test Power Supply DCPS #5	03-May-13	07-May-13	0.60	$3,473	1.20	$0	$3,473	$0	20.20
14368280LOE	Installation Management P1	01-Jul-13	30-Aug-13	8.80	$16,530	5.67	$0	$16,530	$0	4.00
14368322	Re-Establish Hall-C Alignment Network Prior to SHMS Assy	02-Jan-13	08-Jan-13	1.00	$3,669	2.00	$0	$3,669	$0	6.20
14368325	Install Rails of Supprt Struct	19-Nov-12	10-Jan-13	6.20	$3,669	2.00	$0	$44,790	$41,122	4.00
14368327	Check Rail Alignment	21-Feb-13	21-Feb-13	0.20	$734	0.40	$0	$734	$0	141.40
14368330	Assemble Main Carriage of Supprt Struct	14-May-13	07-Aug-13	12.00	$78,074	39.00	$500,000	$621,682	$43,609	4.00
14368333	Install Cryo Boom Support	08-Aug-13	09-Aug-13	0.40	$11,314	6.00	$15,000	$26,314	$0	7.00
14368335M	Central Rails for SHMS Installed (SHIELD HOUSE)	22-Feb-13		0.00	$0	0.00	$0	$0	$0	141.40
14368383	Procure SHMS Steel Platforms and Stairs	03-Dec-12	30-Apr-13	19.80	$0	0.00	$87,898	$87,898	$0	21.20
14368425	Install QR Magnets (Notebook)	16-May-12	26-Jul-12	10.00	$10,964	6.00	$0	$10,964	$0	169.20
14368510	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($370,343)	($370,343)	$0	4.00
24368015M	Cryogens Available from ESR or CHL	01-Oct-13		0.00	$0	0.00	$0	$0	$0	61.80
24368020	Cool Down HMS Dipole	01-Oct-13	07-Oct-13	1.00	$0	0.00	$0	$0	$0	61.80
24368025	Cool Down HMS Q1	08-Oct-13	15-Oct-13	1.20	$0	0.00	$0	$0	$0	61.80
24368030	Cool Down HMS Q2	16-Oct-13	29-Oct-13	2.00	$0	0.00	$0	$0	$0	61.80
24368035	Cool Down HMS Q3	30-Oct-13	12-Nov-13	2.00	$0	0.00	$0	$0	$0	61.80
24368040	Procure SHMS Steel Platforms and Stairs (Box O Parts) Part A	03-Sep-13	20-Dec-13	15.40	$0	0.00	$2,266	$2,266	$0	57.00
24368045	Procure SHMS Steel Platforms and Stairs (Box O Parts) Part B	01-Oct-13	13-Feb-14	17.40	$0	0.00	$85,632	$85,632	$0	51.00
24368050	Install SHMS Steel Procurement	03-Sep-13	30-Sep-13	4.00	$0	0.00	$174,707	$174,707	$0	37.80
24368052	Align Wheels and Bogies on Support Structure	03-Sep-13	06-Sep-13	0.80	$3,669	2.00	$0	$3,669	$0	113.40
24368055	Install SHMS Steel Platforms and Stairs	12-Feb-14	04-Mar-14	3.00	$16,972	9.00	$35,000	$51,972	$0	51.00
24368060	Construct REAR Access Platform & Shield Wall	01-Nov-13	28-Feb-14	15.00	$22,914	11.00	$49,445	$72,360	$0	60.20
24368065	Forming and Pouring Work for Concrete - Procurement	03-Sep-13	27-Nov-13	12.40	$0	0.00	$309,508	$309,508	$0	37.80
24368065a	Forming and Pouring Work for Concrete - Labor FY13	03-Sep-13	30-Sep-13	4.00	$4,433	1.94	$0	$4,433	$0	37.80
24368065b	Forming and Pouring Work for Concrete - Labor FY14	01-Oct-13	27-Nov-13	8.40	$9,309	4.06	$0	$9,309	$0	37.80
24368070	Procure Concrete for Shield House - Procurement	03-Sep-13	27-Nov-13	12.40	$0	0.00	$213,025	$213,025	$0	37.80
24368070a	Procure Concrete for Shield House - Labor FY13	03-Sep-13	30-Sep-13	4.00	$1,184	0.65	$0	$1,184	$0	37.80
24368070b	Procure Concrete for Shield House - Labor FY14	01-Oct-13	27-Nov-13	8.40	$2,485	1.35	$0	$2,485	$0	37.80
24368075	Re-Establish Hall-C Alignment Network After SHMS Assy	04-Nov-13	08-Nov-13	1.00	$3,669	2.00	$0	$3,669	$0	48.40
24368080	Concrete Hardening Period	04-Nov-13	17-Dec-13	6.00	$0	0.00	$0	$0	$0	37.80
24368085M	Shield House Concrete Work Complete		17-Dec-13	0.00	$0	0.00	$0	$0	$0	37.80
24368090	Install Boron & Lead Shielding	02-Jan-14	04-Feb-14	4.60	$27,670	15.00	$20,000	$75,825	$28,155	37.20
24368095	Install Doors in Shield House	05-Feb-14	11-Feb-14	1.00	$11,314	6.00	$0	$11,314	$0	37.20
24368097	Establish Alignment Network inside SHMS Shield House	12-Feb-14	18-Feb-14	1.00	$3,669	2.00	$0	$3,669	$0	37.20
24368100	Install and Align Detector Frames for DC and Rear Detectors	19-Feb-14	25-Feb-14	1.00	$10,060	5.40	$0	$10,060	$0	37.20
24368105	Fab Raised Floor (SHIELD HOUSE)	26-Feb-14	25-Mar-14	4.00	$3,977	2.00	$53,241	$57,218	$0	37.20
24368110	Install Roof Beams and Wall Blocks in Shield House	22-Oct-15	22-Oct-15	0.20	$734	0.40	$0	$734	$0	8.40
24368115	Install LCW for Supprt Struct	04-Nov-13	28-Feb-14	14.80	$25,630	14.00	$24,000	$54,790	$5,160	51.40
24368120	Long-lead procurements for AC Pwr for Support Structure	03-Sep-13	30-Sep-13	4.00	$0	0.00	$12,985	$12,985	$0	71.00
24368122	Install AC Pwr for Supprt Struct	04-Feb-14	10-Mar-14	5.00	$17,474	6.00	$70,015	$101,193	$13,703	50.20
24368125	Install Cable Trays of Supprt Struct	02-Jan-14	03-Feb-14	4.40	$11,314	6.00	$15,695	$27,010	$0	55.20
24368130	Install Fire Protection & Detection Sys of Supprt Struct	03-Feb-14	03-Mar-14	4.20	$13,085	6.00	$22,939	$36,024	$0	51.20
24368135	Install Mag Pwr Supplies & Utilities on Platform	11-Mar-14	21-Apr-14	6.00	$14,624	8.00	$8,717	$23,341	$0	50.40
24368140	Install Cable Tray & Conduits (SHIELD HOUSE)	05-Feb-14	11-Mar-14	5.00	$11,314	6.00	$15,695	$27,010	$0	39.20
24368145	Install Drift Gas Manifold	01-Aug-14	12-Sep-14	6.00	$7,646	4.00	$0	$7,646	$0	56.20
24368150	Install Shield House Electrical Pwr (SHIELD HOUSE)	26-Mar-14	17-Jul-14	16.00	$18,490	7.00	$36,000	$54,490	$0	37.20
24368155	Install Cables & Produce Final Drawings (CABLING)	12-Mar-14	30-Oct-14	32.80	$102,419	52.00	$0	$108,274	$5,856	40.00

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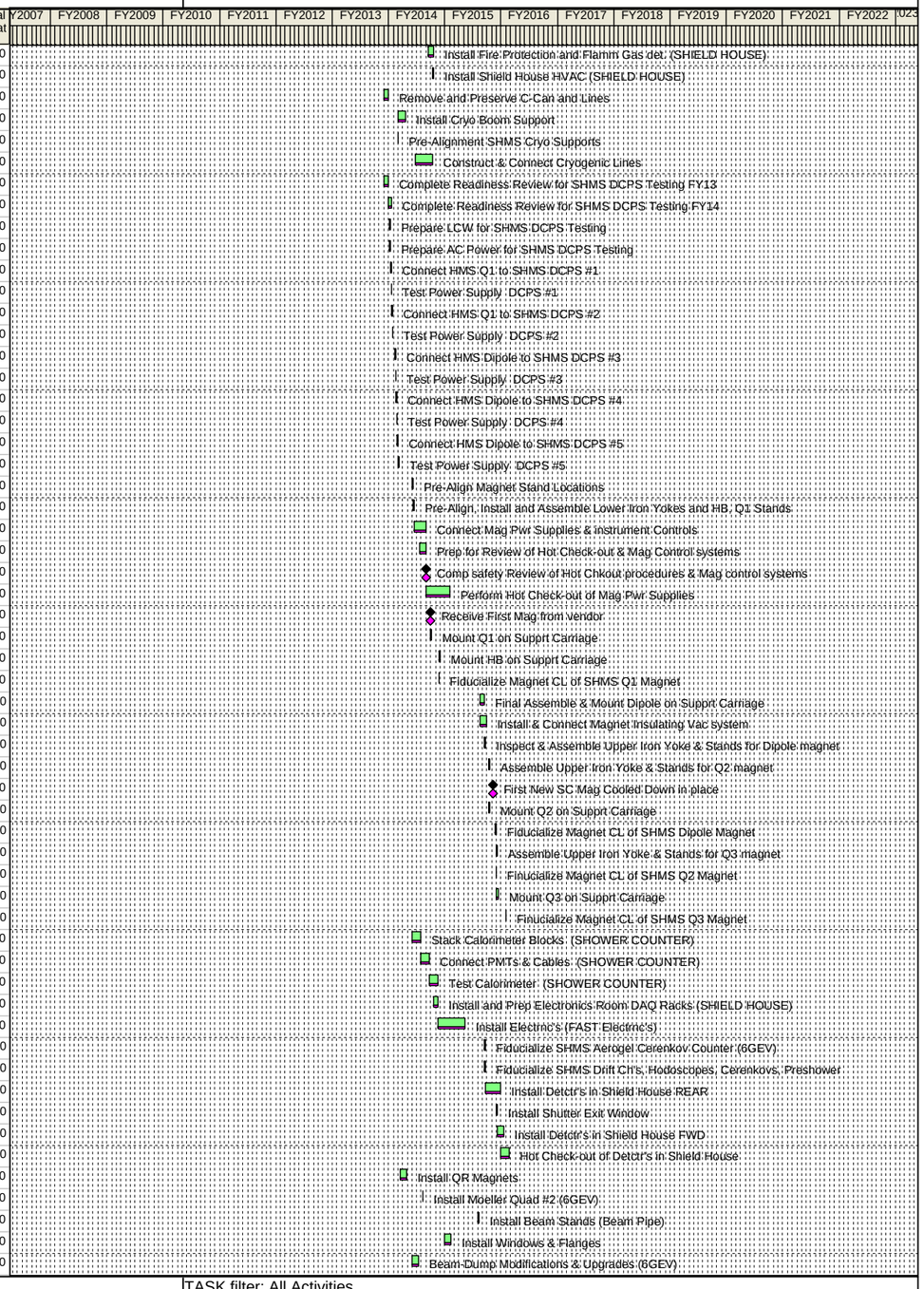
Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
24368160	Install Fire Protection and Flamm Gas det. (SHIELD HOUSE)	19-Jun-14	17-Jul-14	4.00	$9,108	5.00	$38,373	$47,481	$0	37.20
24368165	Install Shield House HVAC (SHIELD HOUSE)	11-Jul-14	17-Jul-14	1.00	$11,735	6.40	$20,319	$32,054	$0	37.20
24368170	Remove and Preserve C-Can and Lines	03-Sep-13	30-Sep-13	4.00	$10,457	5.60	$0	$10,457	$0	47.60
24368175	Install Cryo Boom Support	02-Dec-13	17-Jan-14	5.40	$11,314	6.00	$15,000	$26,314	$0	56.20
24368180	Pre-Alignment SHMS Cryo Supports	02-Dec-13	04-Dec-13	0.60	$1,101	0.60	$0	$1,101	$0	61.00
24368185	Construct & Connect Cryogenic Lines	21-Mar-14	14-Jul-14	16.00	$119,803	62.00	$0	$139,803	$20,000	47.60
24368190	Complete Readiness Review for SHMS DCPS Testing FY13	03-Sep-13	30-Sep-13	4.00	$2,363	0.91	$0	$2,363	$0	65.20
24368190a	Complete Readiness Review for SHMS DCPS Testing FY14	01-Oct-13	17-Oct-13	2.60	$1,536	0.59	$0	$1,536	$0	65.20
24368195	Prepare LCW for SHMS DCPS Testing	08-Oct-13	15-Oct-13	1.20	$1,834	1.00	$0	$7,158	$5,324	64.20
24368200	Prepare AC Power for SHMS DCPS Testing	08-Oct-13	15-Oct-13	1.20	$5,825	2.00	$0	$16,473	$10,648	64.20
24368205	Connect HMS Q1 to SHMS DCPS #1	16-Oct-13	17-Oct-13	0.40	$1,457	0.80	$0	$1,457	$0	63.80
24368210	Test Power Supply DCPS #1	18-Oct-13	22-Oct-13	0.60	$3,473	1.20	$0	$3,473	$0	63.80
24368215	Connect HMS Q1 to SHMS DCPS #2	23-Oct-13	24-Oct-13	0.40	$1,457	0.80	$0	$1,457	$0	63.80
24368220	Test Power Supply DCPS #2	25-Oct-13	29-Oct-13	0.60	$3,473	1.20	$0	$3,473	$0	63.80
24368225	Connect HMS Dipole to SHMS DCPS #3	13-Nov-13	14-Nov-13	0.40	$1,457	0.80	$0	$1,457	$0	61.80
24368230	Test Power Supply DCPS #3	15-Nov-13	19-Nov-13	0.60	$3,473	1.20	$0	$3,473	$0	61.80
24368235	Connect HMS Dipole to SHMS DCPS #4	20-Nov-13	21-Nov-13	0.40	$1,457	0.80	$0	$1,457	$0	61.80
24368240	Test Power Supply DCPS #4	22-Nov-13	26-Nov-13	0.60	$3,473	1.20	$0	$3,473	$0	61.80
24368245	Connect HMS Dipole to SHMS DCPS #5	27-Nov-13	02-Dec-13	0.40	$1,457	0.80	$0	$1,457	$0	61.80
24368250	Test Power Supply DCPS #5	03-Dec-13	05-Dec-13	0.60	$3,473	1.20	$0	$3,473	$0	61.80
24368255	Pre-Align Magnet Stand Locations	05-Mar-14	06-Mar-14	0.40	$1,468	0.80	$0	$1,468	$0	58.60
24368260	Pre-Align, Install and Assemble Lower Iron Yokes and HB, Q1 Stands	07-Mar-14	13-Mar-14	1.00	$23,535	12.00	$0	$23,535	$0	58.60
24368265	Connect Mag Pwr Supplies & instrument Controls	14-Mar-14	30-May-14	11.00	$86,400	39.00	$5,481	$91,881	$0	49.20
24368270	Prep for Review of Hot Check-out & Mag Control systems	18-Apr-14	30-May-14	6.00	$14,526	5.00	$0	$14,526	$0	49.20
24368275M	Comp safety Review of Hot Chkout procedures & Mag control systems		30-May-14	0.00	$0	0.00	$0	$0	$0	49.20
24368280	Perform Hot Check-out of Mag Pwr Supplies	02-Jun-14	31-Oct-14	21.60	$52,373	24.00	$0	$52,373	$0	49.20
24368285M	Receive First Mag from vendor	01-Jul-14		0.00	$0	0.00	$0	$0	$0	43.40
24368290	Mount Q1 on Supprt Carriage	01-Jul-14	08-Jul-14	1.00	$23,022	12.50	$5,000	$28,022	$0	54.60
24368295	Mount HB on Supprt Carriage	26-Aug-14	02-Sep-14	1.00	$3,823	2.00	$5,000	$8,823	$0	53.80
24368300	Fiducialize Magnet CL of SHMS Q1 Magnet	26-Aug-14	26-Aug-14	0.20	$1,865	1.00	$0	$1,865	$0	58.60
24368305	Final Assemble & Mount Dipole on Supprt Carriage	19-May-15	17-Jun-15	4.00	$54,566	29.00	$10,500	$65,066	$0	0.00
24368310	Install & Connect Magnet Insulating Vac system	19-May-15	01-Jul-15	6.00	$27,516	15.00	$15,000	$52,516	$10,000	0.00
24368315	Inspect & Assemble Upper Iron Yoke & Stands for Dipole magnet	18-Jun-15	22-Jun-15	0.60	$8,314	4.40	$0	$8,314	$0	1.40
24368325	Assemble Upper Iron Yoke & Stands for Q2 magnet	16-Jul-15	20-Jul-15	0.60	$8,314	4.40	$0	$8,314	$0	0.40
24368335M	First New SC Mag Cooled Down in place	07-Aug-15		0.00	$0	0.00	$0	$0	$0	12.20
24368340	Mount Q2 on Supprt Carriage	16-Jul-15	22-Jul-15	1.00	$33,019	18.00	$5,000	$38,019	$0	0.00
24368350	Fiducialize Magnet CL of SHMS Dipole Magnet	26-Aug-15	28-Aug-15	0.60	$5,596	3.00	$0	$5,596	$0	0.40
24368360	Assemble Upper Iron Yoke & Stands for Q3 magnet	02-Sep-15	04-Sep-15	0.60	$8,314	4.40	$0	$8,314	$0	0.60
24368365	Finucialize Magnet CL of SHMS Q2 Magnet	02-Sep-15	02-Sep-15	0.20	$1,865	1.00	$0	$1,865	$0	8.40
24368370	Mount Q3 on Supprt Carriage	03-Sep-15	10-Sep-15	1.00	$33,019	18.00	$5,000	$38,019	$0	0.00
24368390	Finucialize Magnet CL of SHMS Q3 Magnet	02-Nov-15	02-Nov-15	0.20	$1,865	1.00	$0	$1,865	$0	0.00
24368400	Stack Calorimeter Blocks (SHOWER COUNTER)	05-Mar-14	29-Apr-14	8.00	$14,675	8.00	$0	$14,675	$0	59.80
24368405	Connect PMTs & Cables (SHOWER COUNTER)	30-Apr-14	25-Jun-14	8.00	$3,643	2.00	$0	$3,643	$0	59.80
24368410	Test Calorimeter (SHOWER COUNTER)	26-Jun-14	18-Aug-14	7.40	$3,192	4.00	$0	$3,192	$0	59.80
24368415	Install and Prep Electronics Room DAQ Racks (SHIELD HOUSE)	18-Jul-14	14-Aug-14	4.00	$10,981	6.00	$0	$16,475	$5,494	37.20
24368420	Install Electrnc's (FAST Electrnc's)	15-Aug-14	09-Feb-15	23.00	$65,576	30.00	$0	$65,576	$0	37.20
24368425	Fiducialize SHMS Aerogel Cerenkov Counter (6GEV)	18-Jun-15	18-Jun-15	0.20	$0	0.00	$0	$0	$0	9.60
24368430	Fiducialize SHMS Drift Ch's, Hodoscopes, Cerenkovs, Preshower	18-Jun-15	24-Jun-15	1.00	$9,326	5.00	$0	$9,326	$0	8.80
24368435	Install Detctr's in Shield House REAR	25-Jun-15	25-Sep-15	13.00	$40,229	22.00	$10,000	$87,608	$37,379	8.80
24368440	Install Shutter Exit Window	02-Sep-15	09-Sep-15	1.00	$15,089	7.00	$0	$15,089	$0	5.20
24368445	Install Detctr's in Shield House FWD	10-Sep-15	21-Oct-15	6.00	$40,229	22.00	$10,000	$87,608	$37,379	5.20
24368450	Hot Check-out of Detctr's in Shield House	28-Sep-15	20-Nov-15	8.00	$10,930	6.00	$0	$10,930	$0	5.20
24368455	Install QR Magnets	17-Dec-13	23-Jan-14	3.80	$11,314	6.00	$0	$11,314	$0	95.80
24368460	Install Moeller Quad #2 (6GEV)	14-May-14	14-May-14	0.20	$0	0.00	$0	$0	$0	94.80
24368465	Install Beam Stands (Beam Pipe)	04-May-15	08-May-15	1.00	$26,579	12.00	$0	$26,579	$0	22.40
24368470	Install Windows & Flanges	02-Oct-14	12-Nov-14	6.00	$17,257	8.00	$0	$17,257	$0	64.60
24368475	Beam-Dump Modifications & Upgrades (6GEV)	03-Mar-14	11-Apr-14	6.00	$0	0.00	$0	$0	$0	84.60



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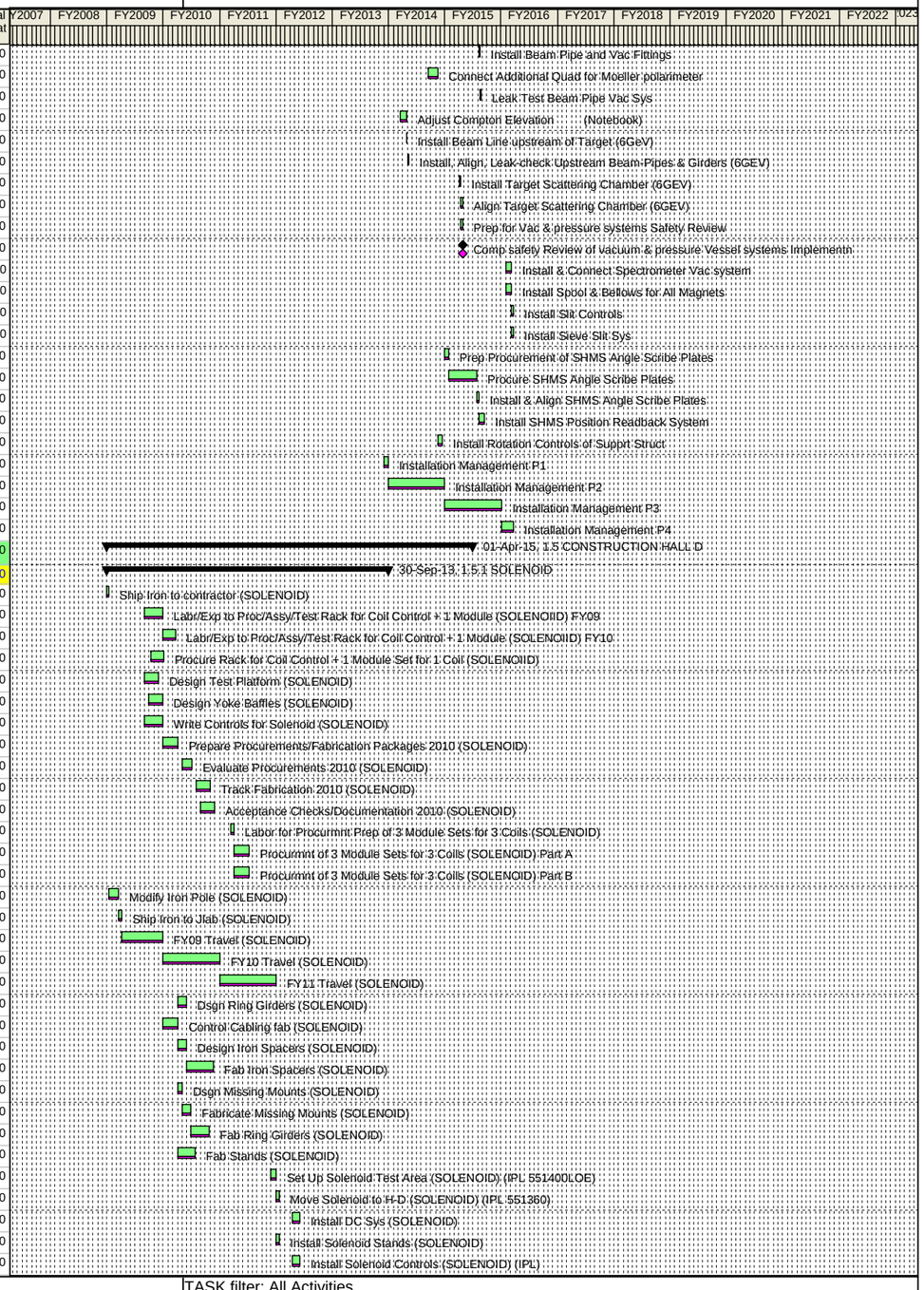
Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
24368480	Install Beam Pipe and Vac Fittings	11-May-15	15-May-15	1.00	$1,834	1.00	$0	$14,294	$12,460	22.40
24368485	Connect Additional Quad for Moeller polarimeter	13-Jun-14	14-Aug-14	8.80	$15,728	8.00	$1,500	$17,228	$0	94.80
24368490	Leak Test Beam Pipe Vac Sys	18-May-15	22-May-15	1.00	$7,338	4.00	$0	$20,920	$13,582	22.40
24368495	Adjust Compton Elevation (Notebook)	17-Dec-13	23-Jan-14	3.80	$20,486	11.00	$0	$25,486	$5,000	94.80
24368500	Install Beam Line upstream of Target (6GeV)	24-Jan-14	24-Jan-14	0.20	$0	0.00	$0	$0	$0	107.20
24368505	Install, Align, Leak-check Upstream Beam-Pipes & Girders (6GEV)	03-Feb-14	07-Feb-14	1.00	$0	0.00	$0	$0	$0	93.60
24368510	Install Target Scattering Chamber (6GEV)	08-Jan-15	14-Jan-15	1.00	$0	0.00	$0	$0	$0	46.60
24368515	Align Target Scattering Chamber (6GEV)	15-Jan-15	22-Jan-15	1.00	$0	0.00	$0	$0	$0	46.60
24368520	Prep for Vac & pressure systems Safety Review	12-Jan-15	26-Jan-15	2.00	$5,789	2.00	$0	$5,789	$0	16.00
24368525M	Comp safety Review of vacuum & pressure Vessel systems Implementn		26-Jan-15	0.00	$0	0.00	$0	$0	$0	16.00
24368530	Install & Connect Spectrometer Vac system	03-Nov-15	09-Dec-15	5.00	$27,516	15.00	$15,000	$52,516	$10,000	0.00
24368535	Install Spool & Bellows for All Magnets	03-Nov-15	09-Dec-15	5.00	$12,220	6.00	$0	$31,405	$19,184	0.00
24368540	Install Slit Controls	10-Dec-15	23-Dec-15	2.00	$10,966	5.40	$0	$10,966	$0	0.00
24368545	Install Sieve Slit Sys	10-Dec-15	23-Dec-15	2.00	$13,860	6.40	$0	$53,416	$39,556	0.00
24368550	Prep Procurement of SHMS Angle Scribe Plates	01-Oct-14	28-Oct-14	4.00	$7,954	4.00	$0	$7,954	$0	27.00
24368555	Procure SHMS Angle Scribe Plates	29-Oct-14	28-Apr-15	23.80	$0	0.00	$40,000	$40,000	$0	27.00
24368560	Install & Align SHMS Angle Scribe Plates	29-Apr-15	12-May-15	2.00	$11,006	6.00	$0	$11,006	$0	27.00
24368565	Install SHMS Position Readback System	13-May-15	11-Jun-15	4.00	$9,146	5.00	$10,000	$20,245	$1,099	27.00
24368570	Install Rotation Controls of Supprt Struct	15-Aug-14	12-Sep-14	4.00	$28,087	13.00	$97,750	$125,837	$0	63.20
24368575LOE	Installation Management P1	03-Sep-13	30-Sep-13	4.00	$8,159	2.81	$0	$8,159	$0	87.80
24368580LOE	Installation Management P2	01-Oct-13	30-Sep-14	49.40	$95,735	33.00	$0	$95,735	$0	87.80
24368585LOE	Installation Management P3	01-Oct-14	01-Oct-15	49.40	$95,735	33.00	$0	$95,735	$0	87.80
24368590LOE	Installation Management P4	02-Oct-15	22-Dec-15	11.20	$20,592	7.10	$0	$20,592	$0	87.80
1.5 CONSTRUCTION HALL D		01-Oct-08	01-Apr-15	321.60	$14,156,740	7216.85	$22,346,430	$36,971,298	$468,128	75.80
1.5.1 SOLENOID		01-Oct-08	30-Sep-13	247.80	$694,332	334.01	$2,100,761	$2,806,605	$11,512	49.60
151000	Ship Iron to contractor (SOLENOID)	01-Oct-08	14-Oct-08	2.00	$0	0.00	$0	$0	$0	185.00
151000a	Labr/Exp to Proc/Assy/Test Rack for Coil Control + 1 Module (SOLENOIID) FY09	01-Jun-09	30-Sep-09	17.20	$24,368	11.67	$0	$27,439	$3,071	76.60
151000aB	Labr/Exp to Proc/Assy/Test Rack for Coil Control + 1 Module (SOLENOIID) FY10	01-Oct-09	17-Dec-09	10.80	$15,790	7.33	$0	$17,780	$1,990	76.60
151000b	Procure Rack for Coil Control + 1 Module Set for 1 Coil (SOLENOIID)	14-Jul-09	06-Oct-09	12.00	$0	0.00	$125,000	$125,000	$0	76.60
151000c	Design Test Platform (SOLENOID)	01-Jun-09	01-Sep-09	13.20	$21,686	11.00	$0	$21,686	$0	80.40
151000d	Design Yoke Baffles (SOLENOID)	01-Jul-09	30-Sep-09	12.80	$19,134	10.00	$0	$19,134	$0	76.40
151000e	Write Controls for Solenoid (SOLENOID)	01-Jun-09	29-Sep-09	17.00	$20,419	8.00	$0	$20,419	$0	76.60
151000f	Prepare Procurements/Fabrication Packages 2010 (SOLENOID)	01-Oct-09	04-Jan-10	12.00	$38,504	19.00	$0	$38,504	$0	76.40
151000g	Evaluate Procurements 2010 (SOLENOID)	02-Feb-10	02-Apr-10	8.60	$1,317	0.50	$0	$1,317	$0	76.40
151000h	Track Fabrication 2010 (SOLENOID)	03-May-10	04-Aug-10	13.20	$1,317	0.50	$0	$1,317	$0	76.40
151000i	Acceptance Checks/Documentation 2010 (SOLENOID)	28-May-10	27-Aug-10	12.80	$34,444	13.00	$0	$34,444	$0	76.40
151000j	Labor for Procurmnt Prep of 3 Module Sets for 3 Coils (SOLENOID)	14-Dec-10	04-Jan-11	2.00	$861	0.50	$0	$861	$0	61.80
151000k	Procurmnt of 3 Module Sets for 3 Coils (SOLENOID) Part A	05-Jan-11	07-Apr-11	13.00	$0	0.00	$120,584	$120,584	$0	61.80
151000ka	Procurmnt of 3 Module Sets for 3 Coils (SOLENOID) Part B	05-Jan-11	07-Apr-11	13.00	$0	0.00	$13,000	$13,000	$0	61.80
151001	Modify Iron Pole (SOLENOID)	15-Oct-08	11-Dec-08	8.00	$0	0.00	$0	$0	$0	185.00
151002	Ship Iron to Jlab (SOLENOID)	12-Dec-08	02-Jan-09	2.00	$0	0.00	$0	$0	$0	185.00
151009E	FY09 Travel (SOLENOID)	02-Jan-09	30-Sep-09	37.80	$0	0.00	$0	$920	$920	86.20
151010E	FY10 Travel (SOLENOID)	01-Oct-09	30-Sep-10	49.60	$0	0.00	$0	$1,245	$1,245	86.20
151011E	FY11 Travel (SOLENOID)	01-Oct-10	30-Sep-11	49.60	$0	0.00	$0	$1,286	$1,286	86.20
151015	Dsgn Ring Girders (SOLENOID)	05-Jan-10	03-Mar-10	8.00	$22,379	11.00	$0	$22,379	$0	127.40
151020	Control Cabling fab (SOLENOID)	01-Oct-09	04-Jan-10	12.00	$8,900	5.00	$3,296	$12,197	$0	103.40
151023	Design Iron Spacers (SOLENOID)	05-Jan-10	03-Mar-10	8.00	$9,872	5.00	$0	$9,872	$0	103.40
151025	Fab Iron Spacers (SOLENOID)	04-Mar-10	20-Aug-10	24.00	$2,634	1.00	$121,965	$124,599	$0	103.40
151030	Dsgn Missing Mounts (SOLENOID)	05-Jan-10	02-Feb-10	4.00	$6,746	3.50	$0	$6,746	$0	107.40
151033	Fabricate Missing Mounts (SOLENOID)	03-Feb-10	31-Mar-10	8.00	$2,634	1.00	$8,790	$11,424	$0	107.40
151035	Fab Ring Girders (SOLENOID)	01-Apr-10	23-Jul-10	16.00	$3,127	1.50	$43,951	$47,078	$0	107.40
151040	Fab Stands (SOLENOID)	05-Jan-10	28-Apr-10	16.00	$4,304	2.00	$16,308	$20,612	$0	119.40
151045	Set Up Solenoid Test Area (SOLENOID) (IPL 551400LOE)	30-Aug-11	29-Sep-11	4.40	$51,919	26.00	$5,670	$57,589	$0	22.40
151050	Move Solenoid to H-D (SOLENOID) (IPL 551360)	03-Oct-11	21-Oct-11	3.00	$4,582	2.00	$70,200	$74,783	$0	48.20
151055	Install DC Sys (SOLENOID)	13-Jan-12	02-Mar-12	6.80	$17,026	9.00	$5,850	$22,876	$0	22.40
151060	Install Solenoid Stands (SOLENOID)	03-Oct-11	21-Oct-11	3.00	$23,386	12.00	$4,680	$28,066	$0	29.60
151065	Install Solenoid Controls (SOLENOID) (IPL)	13-Jan-12	02-Mar-12	6.80	$19,830	10.00	$3,510	$23,340	$0	22.40



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Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
151070	Install DC Buswork (SOLENOID)	04-May-12	01-Jun-12	4.00	$18,952	10.00	$23,400	$42,353	$0	22.40
151075	Test DC Sys (SOLENOID)	04-May-12	01-Jun-12	4.00	$12,439	6.00	$0	$12,439	$0	22.40
151080	Install Controls Cabling (SOLENOID)	04-May-12	01-Jun-12	4.00	$56,278	30.00	$3,510	$59,788	$0	22.40
151085	Install Yoke mounts (SOLENOID)	03-Oct-11	21-Oct-11	3.00	$12,271	6.30	$0	$12,271	$0	29.60
151090	Install Yoke 1 (SOLENOID)	17-Oct-11	21-Oct-11	1.00	$1,850	0.90	$9,360	$11,210	$0	29.60
151095	Install Coil 1 (SOLENOID)	24-Oct-11	26-Oct-11	0.60	$1,272	0.60	$9,360	$10,632	$0	29.60
151100	Install Iron Spacer/Ring Girder 1 (SOLENOID)	27-Oct-11	28-Oct-11	0.40	$2,544	1.20	$9,360	$11,904	$0	29.60
151105	Install Yoke 2 (SOLENOID)	31-Oct-11	01-Nov-11	0.40	$1,850	0.90	$9,360	$11,210	$0	29.60
151110	Install Coil 2 (SOLENOID)	02-Nov-11	02-Nov-11	0.20	$1,272	0.60	$9,360	$10,632	$0	29.60
151115	Install Iron Spacer/Ring Girder 2 (SOLENOID)	03-Nov-11	04-Nov-11	0.40	$2,544	1.20	$9,360	$11,904	$0	29.60
151120	Install Yoke 3 (SOLENOID)	07-Nov-11	08-Nov-11	0.40	$1,850	0.90	$9,360	$11,210	$0	29.60
151125	Install Coil 3 (SOLENOID)	09-Nov-11	09-Nov-11	0.20	$1,272	0.60	$9,360	$10,632	$0	29.60
151130	Install Iron Spacer/Ring Girder 3 (SOLENOID)	10-Nov-11	11-Nov-11	0.40	$2,544	1.20	$9,360	$11,904	$0	29.60
151135	Install Yoke 4 (SOLENOID)	14-Nov-11	15-Nov-11	0.40	$1,850	0.90	$9,360	$11,210	$0	29.60
151140	Install Coil 4 (SOLENOID)	16-Nov-11	18-Nov-11	0.60	$1,272	0.60	$9,360	$10,632	$0	29.60
151145	Install Iron Spacer/Ring Girder 4 (SOLENOID)	21-Nov-11	22-Nov-11	0.40	$2,544	1.20	$9,360	$11,904	$0	29.60
151147	Safety Review (SOLENOID)	03-Oct-11	21-Nov-11	7.20	$43,142	17.00	$9,360	$52,502	$0	29.80
151150	Elect Test Coils (SOLENOID)	28-Nov-11	02-Dec-11	1.00	$5,894	3.20	$1,170	$7,064	$0	29.60
151155	Leak Test Coils (SOLENOID)	05-Dec-11	16-Dec-11	2.00	$9,449	5.20	$1,170	$10,619	$0	29.60
151160	Install US Pole (SOLENOID)	12-Oct-11	14-Oct-11	0.60	$3,478	1.70	$9,360	$12,838	$0	29.60
151170	Install DS Pole (SOLENOID) (IPL)	23-Nov-11	23-Nov-11	0.20	$3,478	1.70	$9,360	$12,838	$0	29.60
151171	Prpare Procurement Packages for Cladding	04-Jan-11	01-Apr-11	12.40	$1,749	0.80	$0	$1,749	$0	41.60
151171a	Procure Cladding	01-Nov-11	30-Mar-12	19.80	$0	0.00	$103,190	$103,190	$0	12.00
151172	Install Cladding (SOLENOID)	10-Apr-12	11-May-12	4.80	$21,568	12.10	$0	$24,568	$3,000	12.00
151173	Develop cryo/magnet elect/pipe interface	03-Feb-12	05-Apr-12	8.80	$20,109	8.50	$0	$20,109	$0	38.00
151173a	Procure elec/piping interface hardware Part A	03-Feb-12	29-Jun-12	20.60	$0	0.00	$52,000	$52,000	$0	38.00
151173aa	Procure elec/piping interface hardware Part B	03-Feb-12	29-Jun-12	20.60	$0	0.00	$43,000	$43,000	$0	38.00
151173c	Develop solenoid vacuum manifold	06-Feb-12	03-May-12	12.60	$15,341	6.80	$0	$15,341	$0	43.40
151173d	Procure solenoid vacuum manifold Part A	05-Mar-12	29-Jun-12	16.60	$0	0.00	$27,000	$27,000	$0	43.40
151173d5	Procure solenoid vacuum manifold Part B	05-Mar-12	29-Jun-12	16.60	$0	0.00	$8,000	$8,000	$0	43.40
151173f	Install solenoid vacuum manifold	01-Jun-12	13-Aug-12	10.20	$9,066	5.10	$0	$9,066	$0	43.40
151173g	FMEA for solenoid	06-Feb-12	22-Feb-12	2.40	$23,841	8.50	$0	$23,841	$0	67.60
151173j	Develop shims and baffle support	03-Feb-12	23-Apr-12	11.20	$5,226	2.13	$0	$5,226	$0	55.40
151173k	Procure shims and baffle support	06-Mar-12	31-May-12	12.40	$0	0.00	$12,000	$12,000	$0	55.40
151173n	Install shims and baffle support	19-Apr-12	25-Jun-12	9.20	$12,088	6.80	$0	$12,088	$0	55.40
151175	Connect Coils (SOLENOID) (IPL)	27-Jul-12	28-Sep-12	9.00	$18,952	10.00	$1,170	$20,122	$0	1.60
151185	Elect Test Solenoid (SOLENOID)	17-Sep-12	28-Sep-12	2.00	$15,817	7.29	$0	$15,817	$0	1.60
151250M	Installtn of Solenoid Comptd (SOLENOID)		20-Feb-13	0.00	$0	0.00	$0	$0	$0	18.20
151255	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$1,135,844	$1,135,844	$0	4.00
251173f	Install solenoid vacuum manifold	03-Sep-13	16-Sep-13	2.00	$3,976	2.17	$0	$3,976	$0	12.80
251195	Repair Solenoid Vac Leaks	03-Sep-13	06-Sep-13	0.80	$3,376	1.43	$0	$3,376	$0	0.00
251250M	Installtn of Solenoid Comptd (SOLENOID)		16-Sep-13	0.00	$0	0.00	$0	$0	$0	12.80
251666	Consultant Fee (Quench Study WS)	03-Sep-13	30-Sep-13	4.00	$0	0.00	$6,100	$6,100	$0	49.40
1.5.2 DETECTORS		01-Dec-08	21-Apr-14	266.60	$3,399,816	2140.86	$9,002,167	$12,535,065	$133,082	43.40
1.5.2.1 TRACKING		02-Jan-09	21-Apr-14	263.00	$2,200,584	1473.03	$2,138,345	$4,356,060	$17,130	43.40
1.5.2.1.1 FORWARD CHAMBERS		02-Jan-09	31-Mar-14	260.00	$1,795,937	941.96	$1,717,602	$3,520,157	$6,618	25.60
15211000a	Procurement for Testing the Assembly Proceedure (FWD Chambers)	01-Jun-09	31-Aug-09	13.00	$0	0.00	$22,000	$22,000	$0	170.00
15211000b	Testing the Assembly Procedure (FWD Chambers)	01-Jun-09	30-Sep-09	17.20	$39,289	22.00	$0	$39,289	$0	161.80
15211001a	Prepare Procurements/Fabrication Packages 2010 (FWD Chambers)	01-Jun-09	30-Sep-09	17.20	$35,715	19.00	$0	$35,715	$0	151.00
15211001b	Evaluate Procurements 2010 (FWD Chambers)	18-Dec-09	04-Jan-10	1.20	$2,634	1.00	$0	$2,634	$0	151.00
15211001c	Track Fabrication 2010 (FWD Chambers)	05-Jan-10	09-Jul-10	26.00	$2,634	1.00	$0	$2,634	$0	149.00
15211001d	Acceptance Checks/Documentation 2010 (FWD Chambers)	01-Jul-10	01-Sep-10	8.80	$2,634	1.00	$0	$2,634	$0	141.80
15211002a	Engineering Support for Assembly FY10 (FWD Chambers)	05-Jan-10	30-Sep-10	37.60	$26,662	12.00	$0	$26,662	$0	12.80
15211002b	Engineering Support for Assembly FY11 (FWD Chambers)	01-Oct-10	30-Sep-11	49.60	$8,828	4.50	$0	$8,828	$0	12.80
15211002c	Additional Engineering Support for Assembly FY12 (FWD Chambers)	03-Jun-11	30-Sep-11	16.80	$8,828	4.50	$0	$8,828	$0	125.60
15211005	Proc Chamb Frames (G10) (FWD Chambers)	14-May-10	23-Nov-10	27.00	$0	0.00	$152,731	$152,731	$0	21.90
15211009E	FY09 Travel (FWD Chambers)	02-Jan-09	30-Sep-09	37.80	$0	0.00	$0	$983	$983	12.80

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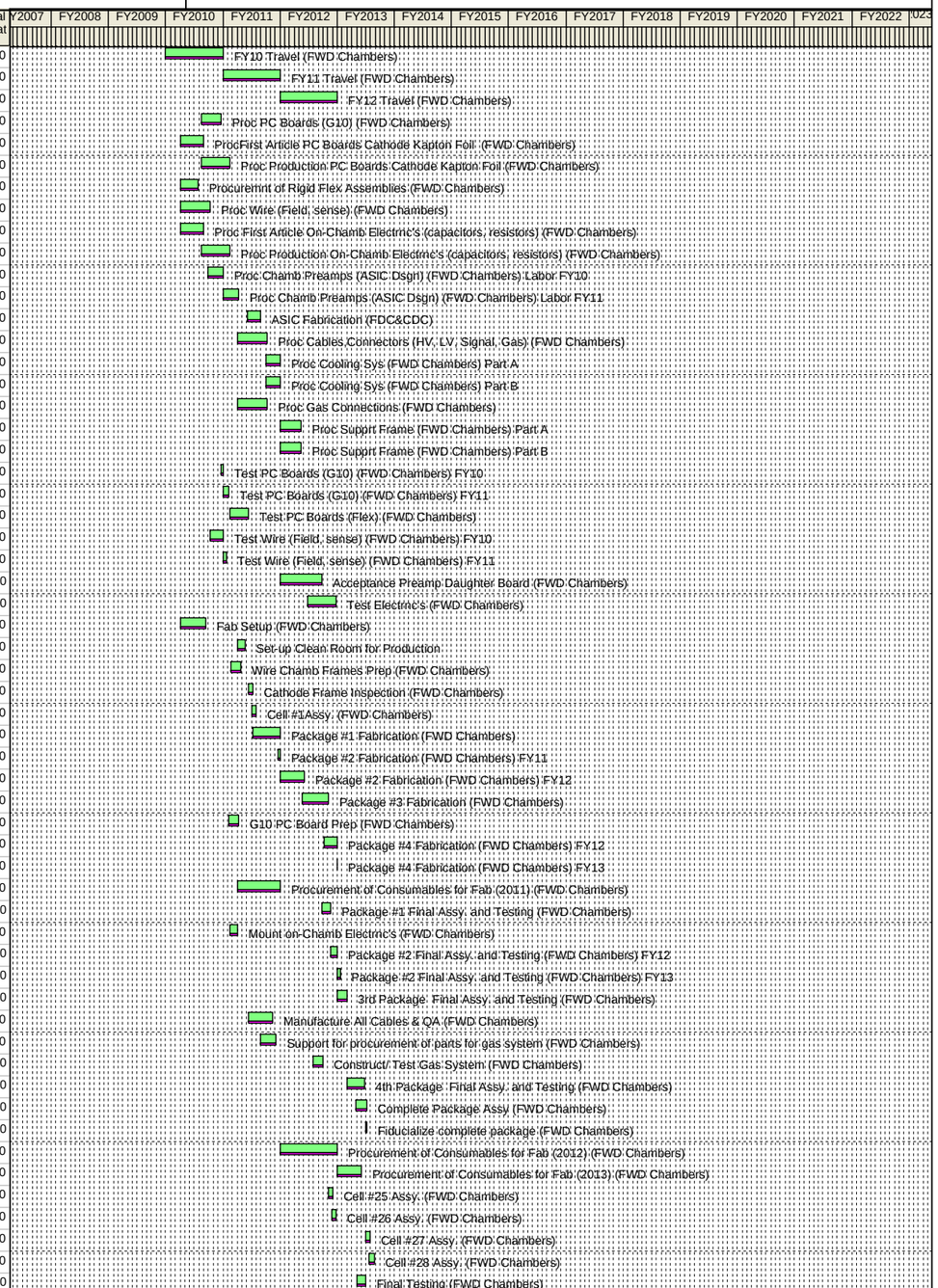
Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
15211010E	FY10 Travel (FWD Chambers)	01-Oct-09	30-Sep-10	49.60	$0	0.00	$0	$1,331	$1,331	29.20
15211011E	FY11 Travel (FWD Chambers)	01-Oct-10	30-Sep-11	49.60	$0	0.00	$0	$1,373	$1,373	29.20
15211012E	FY12 Travel (FWD Chambers)	03-Oct-11	28-Sep-12	49.40	$0	0.00	$0	$1,418	$1,418	29.20
15211015	Proc PC Boards (G10) (FWD Chambers)	14-May-10	20-Sep-10	17.80	$0	0.00	$97,792	$97,792	$0	32.70
15211020	ProcFirst Article PC Boards Cathode Kapton Foil (FWD Chambers)	05-Jan-10	28-May-10	20.40	$0	0.00	$44,600	$44,600	$0	12.60
15211020a	Proc Production PC Boards Cathode Kapton Foil (FWD Chambers)	14-May-10	16-Nov-10	26.00	$0	0.00	$90,551	$90,551	$0	12.60
15211022	Procuremnt of Rigid Flex Assemblies (FWD Chambers)	05-Jan-10	28-Apr-10	16.00	$0	0.00	$29,815	$29,815	$0	60.00
15211025	Proc Wire (Field, sense) (FWD Chambers)	05-Jan-10	09-Jul-10	26.00	$0	0.00	$14,284	$14,284	$0	35.20
15211030	Proc First Article On-Chamb Electrnc's (capacitors, resistors) (FWD Chambers)	05-Jan-10	28-May-10	20.40	$0	0.00	$15,932	$15,932	$0	31.80
15211030a	Proc Production On-Chamb Electrnc's (capacitors, resistors) (FWD Chambers)	14-May-10	16-Nov-10	26.00	$0	0.00	$15,932	$15,932	$0	31.80
15211035	Proc Chamb Preamps (ASIC Dsgn) (FWD Chambers) Labor FY10	25-Jun-10	30-Sep-10	13.60	$4,193	10.46	$0	$4,193	$0	44.20
15211035a	Proc Chamb Preamps (ASIC Dsgn) (FWD Chambers) Labor FY11	01-Oct-10	06-Jan-11	12.40	$3,945	9.54	$0	$3,945	$0	44.20
15211035b	ASIC Fabrication (FDC&CDC)	07-Mar-11	27-May-11	12.00	$0	0.00	$160,000	$160,000	$0	15.40
15211050	Proc Cables,Connectors (HV, LV, Signal, Gas) (FWD Chambers)	05-Jan-11	11-Jul-11	26.00	$0	0.00	$86,172	$86,172	$0	34.40
15211060	Proc Cooling Sys (FWD Chambers) Part A	01-Jul-11	30-Sep-11	12.80	$0	0.00	$14,472	$14,472	$0	69.20
15211060a	Proc Cooling Sys (FWD Chambers) Part B	01-Jul-11	30-Sep-11	12.80	$0	0.00	$10,472	$10,472	$0	69.20
15211070	Proc Gas Connections (FWD Chambers)	05-Jan-11	11-Jul-11	26.00	$0	0.00	$56,692	$56,692	$0	47.20
15211075	Proc Supprt Frame (FWD Chambers) Part A	03-Oct-11	13-Feb-12	17.40	$0	0.00	$37,476	$37,476	$0	51.80
15211075a	Proc Supprt Frame (FWD Chambers) Part B	03-Oct-11	13-Feb-12	17.40	$0	0.00	$3,800	$3,800	$0	51.80
15211080	Test PC Boards (G10) (FWD Chambers) FY10	21-Sep-10	30-Sep-10	1.50	$2,653	1.60	$0	$2,653	$0	32.70
15211080a	Test PC Boards (G10) (FWD Chambers) FY11	30-Sep-10	10-Nov-10	5.80	$9,746	5.70	$0	$9,746	$0	32.70
15211085	Test PC Boards (Flex) (FWD Chambers)	17-Nov-10	14-Mar-11	14.70	$25,149	14.70	$0	$25,149	$0	12.60
15211090	Test Wire (Field, sense) (FWD Chambers) FY10	12-Jul-10	30-Sep-10	11.50	$19,233	11.60	$0	$19,233	$0	35.20
15211090a	Test Wire (Field, sense) (FWD Chambers) FY11	30-Sep-10	22-Oct-10	3.30	$5,299	3.10	$0	$5,299	$0	35.20
15211094	Acceptance Preamp Daughter Board (FWD Chambers)	03-Oct-11	22-Jun-12	35.60	$0	0.00	$0	$0	$0	7.00
15211095	Test Electrnc's (FWD Chambers)	26-Mar-12	21-Sep-12	25.40	$38,834	22.00	$0	$38,834	$0	7.20
15211100	Fab Setup (FWD Chambers)	05-Jan-10	10-Jun-10	22.00	$94,679	44.00	$0	$94,679	$0	45.10
15211102	Set-up Clean Room for Production	04-Jan-11	22-Feb-11	6.80	$36,982	18.00	$0	$36,982	$0	18.20
15211105	Wire Chamb Frames Prep (FWD Chambers)	24-Nov-10	26-Jan-11	7.30	$12,576	7.30	$0	$12,576	$0	21.90
15211120	Cathode Frame Inspection (FWD Chambers)	15-Mar-11	13-Apr-11	4.40	$7,580	4.40	$0	$7,580	$0	12.60
15211125	Cell #1Assy. (FWD Chambers)	01-Apr-11	02-May-11	4.40	$72,579	36.00	$0	$72,579	$0	12.80
15211126	Package #1 Fabrication (FWD Chambers)	14-Apr-11	30-Sep-11	23.80	$193,443	105.00	$0	$193,443	$0	12.60
15211130	Package #2 Fabrication (FWD Chambers) FY11	20-Sep-11	30-Sep-11	1.80	$15,511	8.46	$0	$15,511	$0	12.60
15211130a	Package #2 Fabrication (FWD Chambers) FY12	03-Oct-11	05-Mar-12	20.10	$176,937	93.54	$0	$176,937	$0	12.60
15211135	Package #3 Fabrication (FWD Chambers)	21-Feb-12	03-Aug-12	23.20	$192,942	102.00	$0	$192,942	$0	12.60
15211140	G10 PC Board Prep (FWD Chambers)	10-Nov-10	11-Jan-11	7.30	$12,576	7.30	$0	$12,576	$0	40.40
15211141	Package #4 Fabrication (FWD Chambers) FY12	12-Jul-12	28-Sep-12	11.10	$186,230	98.45	$0	$186,230	$0	12.60
15211141a	Package #4 Fabrication (FWD Chambers) FY13	01-Oct-12	02-Oct-12	0.40	$6,926	3.55	$0	$6,926	$0	12.60
15211145	Procurement of Consumables for Fab (2011) (FWD Chambers)	04-Jan-11	30-Sep-11	37.80	$0	0.00	$82,200	$82,200	$0	39.60
15211150	Package #1 Final Assy. and Testing (FWD Chambers)	25-Jun-12	22-Aug-12	8.60	$32,893	15.00	$0	$32,893	$0	4.00
15211155	Mount on-Chamb Electrnc's (FWD Chambers)	17-Nov-10	31-Dec-10	5.20	$8,957	5.24	$0	$8,957	$0	86.00
15211155a	Package #2 Final Assy. and Testing (FWD Chambers) FY12	23-Aug-12	28-Sep-12	5.20	$20,859	9.51	$0	$20,859	$0	4.00
15211155aa	Package #2 Final Assy. and Testing (FWD Chambers) FY13	01-Oct-12	19-Oct-12	3.00	$12,418	5.49	$0	$12,418	$0	4.00
15211160	3rd Package Final Assy. and Testing (FWD Chambers)	01-Oct-12	04-Dec-12	9.00	$25,200	12.00	$0	$25,200	$0	4.00
15211163	Manufacture All Cables & QA (FWD Chambers)	14-Mar-11	16-Aug-11	22.00	$75,539	44.00	$0	$75,539	$0	34.40
15211163a	Support for procurement of parts for gas system (FWD Chambers)	01-Jun-11	01-Sep-11	13.20	$10,949	4.00	$0	$10,949	$0	39.60
15211164	Construct/ Test Gas System (FWD Chambers)	01-May-12	02-Jul-12	8.60	$41,732	20.00	$0	$41,732	$0	7.40
15211165	4th Package Final Assy. and Testing (FWD Chambers)	05-Dec-12	25-Mar-13	14.20	$26,313	12.00	$0	$26,313	$0	4.00
15211175	Complete Package Assy (FWD Chambers)	31-Jan-13	08-Apr-13	9.40	$36,974	17.00	$0	$36,974	$0	4.00
15211185	Fiducialize complete package (FWD Chambers)	02-Apr-13	08-Apr-13	1.00	$22,970	9.00	$0	$22,970	$0	4.00
15211190	Procurement of Consumables for Fab (2012) (FWD Chambers)	03-Oct-11	28-Sep-12	49.40	$0	0.00	$11,867	$11,867	$0	14.20
15211191	Procurement of Consumables for Fab (2013) (FWD Chambers)	01-Oct-12	01-Mar-13	20.00	$0	0.00	$11,926	$11,926	$0	14.20
15211195	Cell #25 Assy. (FWD Chambers)	03-Aug-12	05-Sep-12	4.40	$24,136	13.00	$0	$24,136	$0	93.70
15211200	Cell #26 Assy. (FWD Chambers)	24-Aug-12	24-Sep-12	4.00	$24,136	13.00	$0	$24,136	$0	93.70
15211205	Cell #27 Assy. (FWD Chambers)	01-Apr-13	26-Apr-13	3.90	$24,907	13.00	$0	$24,907	$0	67.40
15211210	Cell #28 Assy. (FWD Chambers)	19-Apr-13	23-May-13	4.90	$24,907	13.00	$0	$24,907	$0	67.40
15211220	Final Testing (FWD Chambers)	04-Feb-13	01-Apr-13	8.00	$18,995	8.00	$0	$18,995	$0	5.00



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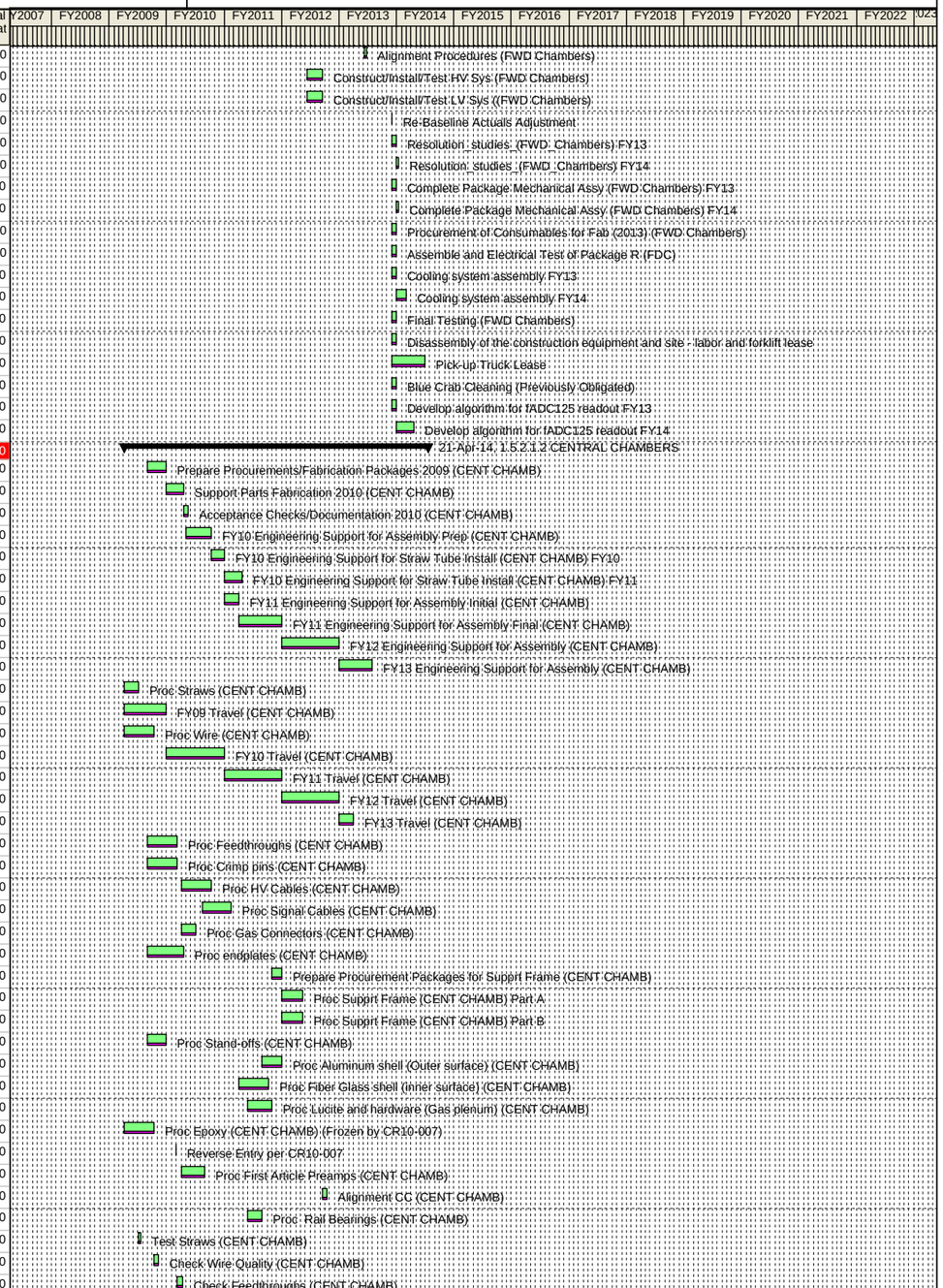
Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
15211230	Alignment Procedures (FWD Chambers)	08-Mar-13	21-Mar-13	2.00	$10,981	6.00	$0	$10,981	$0	6.40
15211249	Construct/Install/Test HV Sys (FWD Chambers)	12-Mar-12	15-Jun-12	13.60	$26,217	14.80	$0	$26,217	$0	7.00
15211250	Construct/Install/Test LV Sys ((FWD Chambers)	12-Mar-12	15-Jun-12	13.60	$26,217	14.80	$0	$26,217	$0	7.00
15211255	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$756,129	$756,129	$0	4.00
25211172	Resolution_studies_(FWD_Chambers) FY13	03-Sep-13	30-Sep-13	4.00	$4,663	1.60	$0	$4,663	$0	0.00
25211172a	Resolution_studies_(FWD_Chambers) FY14	01-Oct-13	14-Oct-13	2.00	$2,332	0.80	$0	$2,332	$0	0.00
25211175	Complete Package Mechanical Assy (FWD Chambers) FY13	03-Sep-13	30-Sep-13	4.00	$1,508	0.67	$0	$1,508	$0	11.20
25211175a	Complete Package Mechanical Assy (FWD Chambers) FY14	01-Oct-13	14-Oct-13	2.00	$754	0.33	$0	$754	$0	11.20
25211191	Procurement of Consumables for Fab (2013) (FWD Chambers)	03-Sep-13	30-Sep-13	4.00	$0	0.00	$0	$1,094	$1,094	8.40
25211208	Assemble and Electrical Test of Package R (FDC)	03-Sep-13	30-Sep-13	4.00	$2,633	1.20	$0	$2,633	$0	0.20
25211217	Cooling system assembly FY13	03-Sep-13	30-Sep-13	4.00	$2,361	1.14	$0	$2,361	$0	40.80
25211217a	Cooling system assembly FY14	01-Oct-13	02-Dec-13	8.60	$5,077	2.44	$0	$5,077	$0	40.80
25211220	Final Testing (FWD Chambers)	03-Sep-13	30-Sep-13	4.00	$4,722	1.75	$0	$4,722	$0	11.20
25211250	Disassembly of the construction equipment and site - labor and forklift lease	03-Sep-13	30-Sep-13	4.00	$5,121	2.50	$0	$5,541	$420	49.40
25211255LOE	Pick-up Truck Lease	03-Sep-13	31-Mar-14	27.80	$0	0.00	$2,605	$2,605	$0	25.60
25211255LOI	Blue Crab Cleaning (Previously Obligated)	03-Sep-13	30-Sep-13	4.00	$0	0.00	$154	$154	$0	49.40
25211260	Develop algorithm for fADC125 readout FY13	03-Sep-13	30-Sep-13	4.00	$5,894	2.02	$0	$5,894	$0	35.60
25211260a	Develop algorithm for fADC125 readout FY14	01-Oct-13	17-Jan-14	13.80	$20,335	6.98	$0	$20,335	$0	35.60
1.5.2.1.2 CENTRAL CHAMBERS		02-Jan-09	21-Apr-14	263.00	$357,989	427.56	$362,479	$725,880	$5,412	43.40
15212000a	Prepare Procurements/Fabrication Packages 2009 (CENT CHAMB)	01-Jun-09	30-Sep-09	17.20	$31,253	16.00	$0	$31,253	$0	116.40
15212000c	Support Parts Fabrication 2010 (CENT CHAMB)	01-Oct-09	15-Jan-10	13.80	$3,127	1.50	$0	$3,127	$0	134.40
15212000d	Acceptance Checks/Documentation 2010 (CENT CHAMB)	19-Jan-10	16-Feb-10	4.00	$4,936	2.50	$0	$4,936	$0	130.40
15212001	FY10 Engineering Support for Assembly Prep (CENT CHAMB)	02-Feb-10	13-Jul-10	22.60	$4,444	2.00	$0	$4,444	$0	69.80
15212002	FY10 Engineering Support for Straw Tube Install (CENT CHAMB) FY10	14-Jul-10	30-Sep-10	11.20	$2,694	1.29	$0	$2,694	$0	69.80
15212002a	FY10 Engineering Support for Straw Tube Install (CENT CHAMB) FY11	01-Oct-10	25-Jan-11	14.80	$3,673	1.71	$0	$3,673	$0	69.80
15212003	FY11 Engineering Support for Assembly Initial (CENT CHAMB)	01-Oct-10	31-Dec-10	11.80	$2,504	1.28	$0	$2,504	$0	55.80
15212003a	FY11 Engineering Support for Assembly Final (CENT CHAMB)	04-Jan-11	30-Sep-11	37.80	$50,826	24.00	$0	$50,826	$0	55.80
15212004	FY12 Engineering Support for Assembly (CENT CHAMB)	03-Oct-11	28-Sep-12	49.40	$42,814	19.00	$0	$42,814	$0	17.00
15212004a	FY13 Engineering Support for Assembly (CENT CHAMB)	01-Oct-12	01-May-13	28.60	$32,251	13.00	$0	$32,251	$0	17.00
15212005	Proc Straws (CENT CHAMB)	05-Jan-09	07-Apr-09	13.00	$0	0.00	$67,084	$67,084	$0	156.60
15212009E	FY09 Travel (CENT CHAMB)	02-Jan-09	30-Sep-09	37.80	$0	0.00	$0	$983	$983	23.80
15212010	Proc Wire (CENT CHAMB)	05-Jan-09	09-Jul-09	26.00	$0	0.00	$21,296	$21,296	$0	141.40
15212010E	FY10 Travel (CENT CHAMB)	01-Oct-09	30-Sep-10	49.60	$0	0.00	$0	$1,331	$1,331	23.80
15212011E	FY11 Travel (CENT CHAMB)	01-Oct-10	30-Sep-11	49.60	$0	0.00	$0	$1,373	$1,373	23.80
15212012E	FY12 Travel (CENT CHAMB)	03-Oct-11	28-Sep-12	49.40	$0	0.00	$0	$1,418	$1,418	23.80
15212013E	FY13 Travel (CENT CHAMB)	01-Oct-12	31-Dec-12	11.80	$0	0.00	$0	$308	$308	23.80
15212015	Proc Feedthroughs (CENT CHAMB)	01-Jun-09	03-Dec-09	26.00	$0	0.00	$108,611	$108,611	$0	121.00
15212020	Proc Crimp pins (CENT CHAMB)	01-Jun-09	03-Dec-09	26.00	$0	0.00	$15,972	$15,972	$0	123.40
15212025	Proc HV Cables (CENT CHAMB)	05-Jan-10	09-Jul-10	26.00	$0	0.00	$12,251	$12,251	$0	96.40
15212030	Proc Signal Cables (CENT CHAMB)	14-May-10	16-Nov-10	26.00	$0	0.00	$33,084	$33,084	$0	78.20
15212035	Proc Gas Connectors (CENT CHAMB)	05-Jan-10	07-Apr-10	13.00	$0	0.00	$71,421	$71,421	$0	109.20
15212040	Proc endplates (CENT CHAMB)	01-Jun-09	15-Jan-10	31.00	$0	0.00	$63,889	$63,889	$0	116.40
15212045	Prepare Procurement Packages for Supprt Frame (CENT CHAMB)	01-Aug-11	30-Sep-11	8.80	$25,810	12.00	$0	$25,810	$0	60.60
15212047	Proc Supprt Frame (CENT CHAMB) Part A	03-Oct-11	13-Feb-12	17.40	$0	0.00	$24,876	$24,876	$0	60.60
15212047a	Proc Supprt Frame (CENT CHAMB) Part B	03-Oct-11	13-Feb-12	17.40	$0	0.00	$16,400	$16,400	$0	60.60
15212050	Proc Stand-offs (CENT CHAMB)	01-Jun-09	29-Sep-09	17.00	$0	0.00	$5,324	$5,324	$0	134.40
15212055	Proc Aluminum shell (Outer surface) (CENT CHAMB)	01-Jun-11	30-Sep-11	17.20	$0	0.00	$3,402	$3,402	$0	39.20
15212060	Proc Fiber Glass shell (inner surface) (CENT CHAMB)	05-Jan-11	11-Jul-11	26.00	$0	0.00	$567	$567	$0	50.80
15212065	Proc Lucite and hardware (Gas plenum) (CENT CHAMB)	01-Mar-11	01-Aug-11	21.60	$0	0.00	$19,900	$19,900	$0	78.20
15212070	Proc Epoxy (CENT CHAMB) (Frozen by CR10-007)	05-Jan-09	09-Jul-09	26.00	$0	0.00	$5,324	$5,324	$0	61.20
15212075	Reverse Entry per CR10-007	01-Dec-09	01-Dec-09	0.20	$0	0.00	($5,324)	($5,324)	$0	41.20
15212080	Proc First Article Preamps (CENT CHAMB)	05-Jan-10	28-May-10	20.40	$0	0.00	$6,922	$6,922	$0	54.40
15212087	Alignment CC (CENT CHAMB)	21-Jun-12	18-Jul-12	4.00	$0	0.00	$7,020	$7,020	$0	34.40
15212088	Proc Rail Bearings (CENT CHAMB)	01-Mar-11	01-Jun-11	13.20	$0	0.00	$2,268	$2,268	$0	77.20
15212090	Test Straws (CENT CHAMB)	08-Apr-09	22-Apr-09	2.20	$0	20.00	$0	$0	$0	156.60
15212095	Check Wire Quality (CENT CHAMB)	10-Jul-09	10-Aug-09	4.40	$34,775	17.00	$0	$34,775	$0	141.40
15212100	Check Feedthroughs (CENT CHAMB)	04-Dec-09	12-Jan-10	4.40	$0	20.00	$0	$0	$0	121.00



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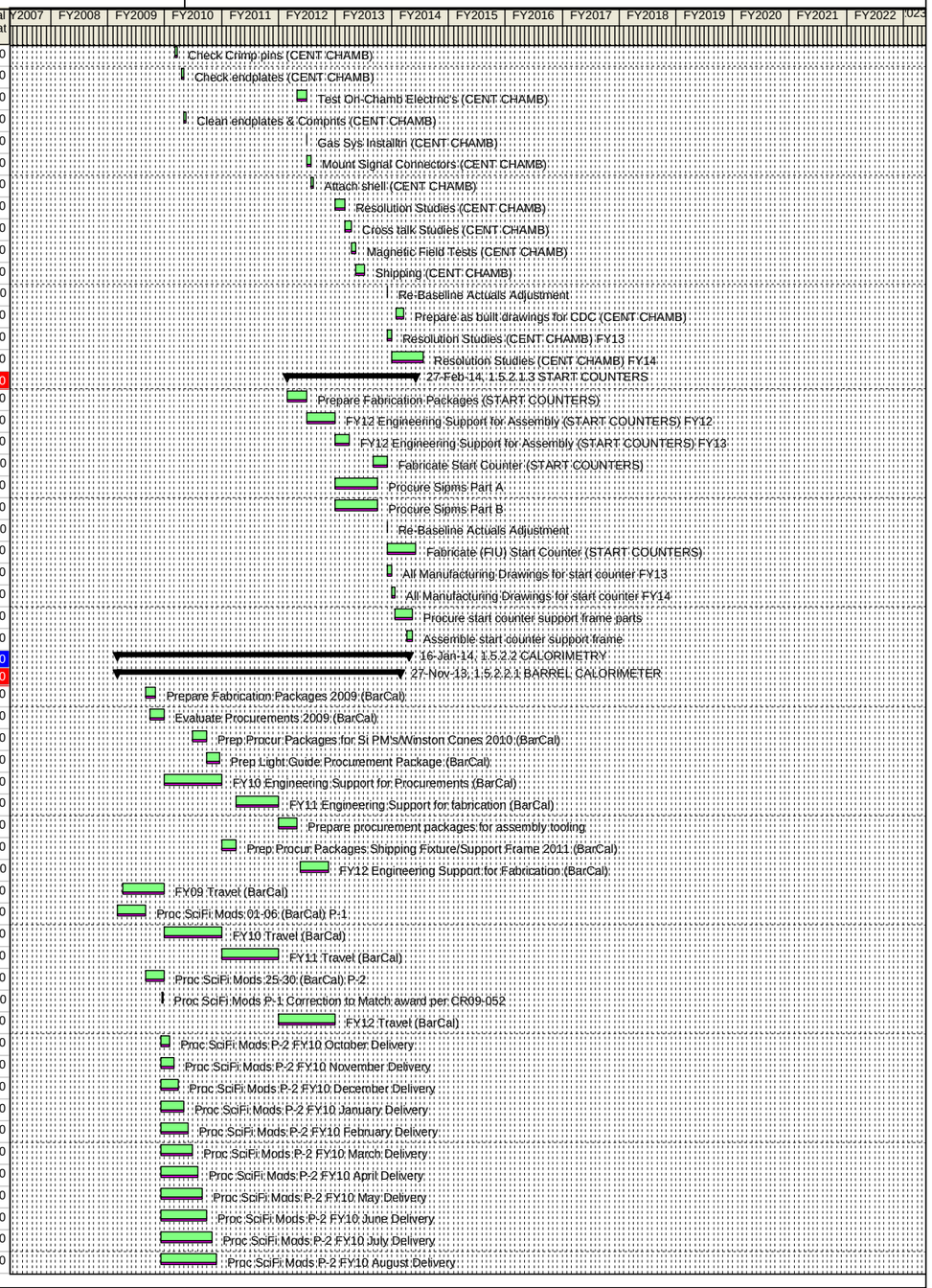
Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
15212105	Check Crimp pins (CENT CHAMB)	04-Dec-09	18-Dec-09	2.20	$0	20.00	$0	$0	$0	123.40
15212110	Check endplates (CENT CHAMB)	19-Jan-10	01-Feb-10	2.00	$42,216	20.00	$0	$42,216	$0	116.40
15212115	Test On-Chamb Electrnc's (CENT CHAMB)	30-Jan-12	02-Apr-12	9.00	$13,346	15.80	$0	$13,346	$0	11.00
15212120	Clean endplates & Compnts (CENT CHAMB)	02-Feb-10	16-Feb-10	2.00	$4,008	10.00	$0	$4,008	$0	116.40
15212145	Gas Sys Installtn (CENT CHAMB)	03-Apr-12	03-Apr-12	0.20	$0	0.00	$0	$0	$0	10.80
15212155	Mount Signal Connectors (CENT CHAMB)	04-Apr-12	01-May-12	4.00	$4,268	10.00	$0	$4,268	$0	10.80
15212160	Attach shell (CENT CHAMB)	02-May-12	15-May-12	2.00	$0	20.00	$0	$0	$0	10.80
15212185	Resolution Studies (CENT CHAMB)	01-Oct-12	04-Dec-12	9.00	$34,623	31.88	$0	$34,623	$0	10.80
15212190	Cross talk Studies (CENT CHAMB)	05-Dec-12	11-Jan-13	4.40	$0	40.00	$0	$0	$0	10.80
15212195	Magnetic Field Tests (CENT CHAMB)	14-Jan-13	13-Feb-13	4.40	$0	40.00	$0	$0	$0	10.80
15212200	Shipping (CENT CHAMB)	14-Feb-13	04-Apr-13	7.00	$0	40.00	$6,230	$6,230	$0	10.80
15212205	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($124,039)	($124,039)	$0	4.00
25212010	Prepare as built drawings for CDC (CENT CHAMB)	31-Oct-13	18-Dec-13	6.60	$14,593	6.60	$0	$14,593	$0	38.40
25212185	Resolution Studies (CENT CHAMB) FY13	03-Sep-13	30-Sep-13	4.00	$757	2.86	$0	$757	$0	43.20
25212185a	Resolution Studies (CENT CHAMB) FY14	01-Oct-13	21-Apr-14	26.80	$5,072	19.14	$0	$5,072	$0	43.20
1.5.2.1.3 START COUNTERS		01-Dec-11	27-Feb-14	110.40	$46,658	103.51	$58,264	$110,023	$5,100	28.00
15213000	Prepare Fabrication Packages (START COUNTERS)	01-Dec-11	02-Apr-12	16.00	$22,073	11.00	$0	$22,073	$0	37.80
15213001	FY12 Engineering Support for Assembly (START COUNTERS) FY12	03-Apr-12	28-Sep-12	25.20	$7,758	3.41	$0	$7,758	$0	37.80
15213001a	FY12 Engineering Support for Assembly (START COUNTERS) FY13	01-Oct-12	31-Dec-12	11.80	$3,748	1.59	$0	$3,748	$0	37.80
15213005	Fabricate Start Counter (START COUNTERS)	31-May-13	30-Aug-13	13.00	$0	81.13	$0	$0	$0	4.00
15213010	Procure Sipms Part A	01-Oct-12	28-Jun-13	36.80	$0	0.00	$9,906	$9,906	$0	12.80
15213010a	Procure Sipms Part B	01-Oct-12	28-Jun-13	36.80	$0	0.00	$21,051	$21,051	$0	12.80
15213015	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($1,125)	($1,125)	$0	4.00
25213005	Fabricate (FIU) Start Counter (START COUNTERS)	03-Sep-13	27-Feb-14	23.40	$0	0.00	$28,433	$28,433	$0	26.20
25213015	All Manufacturing Drawings for start counter FY13	03-Sep-13	30-Sep-13	4.00	$1,582	0.76	$0	$1,582	$0	30.80
25213015a	All Manufacturing Drawings for start counter FY14	01-Oct-13	22-Oct-13	3.20	$1,265	0.61	$0	$1,265	$0	30.80
25213020	Procure start counter support frame parts	23-Oct-13	07-Feb-14	13.40	$0	0.00	$0	$5,100	$5,100	30.80
25213025	Assemble start counter support frame	03-Jan-14	07-Feb-14	5.00	$10,232	5.00	$0	$10,232	$0	30.80
1.5.2.2 CALORIMETRY		01-Dec-08	16-Jan-14	253.60	$1,102,702	620.39	$6,186,189	$7,400,895	$112,004	50.60
1.5.2.2.1 BARREL CALORIMETER		01-Dec-08	27-Nov-13	248.00	$835,482	397.48	$6,164,028	$7,106,422	$106,912	56.20
15221001	Prepare Fabrication Packages 2009 (BarCal)	02-Jun-09	04-Aug-09	9.00	$15,626	8.00	$0	$15,626	$0	139.00
15221002	Evaluate Procurements 2009 (BarCal)	30-Jun-09	30-Sep-09	13.00	$5,105	2.00	$0	$5,105	$0	139.00
15221003	Prep Procur Packages for Si PM's/Winston Cones 2010 (BarCal)	01-Apr-10	24-Jun-10	12.00	$51,674	24.00	$0	$51,674	$0	55.60
15221004	Prep Light Guide Procurement Package (BarCal)	25-Jun-10	17-Sep-10	11.80	$12,506	6.00	$0	$12,506	$0	55.60
15221005	FY10 Engineering Support for Procurements (BarCal)	01-Oct-09	30-Sep-10	49.60	$3,539	1.50	$0	$3,539	$0	79.80
15221006	FY11 Engineering Support for fabrication (BarCal)	05-Jan-11	30-Sep-11	37.60	$13,756	6.00	$0	$13,756	$0	23.00
15221007	Prepare procurement packages for assembly tooling	03-Oct-11	31-Jan-12	15.60	$47,790	22.00	$0	$47,790	$0	54.60
15221008	Prep Procur Packages Shipping Fixture/Support Frame 2011 (BarCal)	01-Oct-10	04-Jan-11	12.00	$9,336	5.00	$0	$9,336	$0	107.80
15221009	FY12 Engineering Support for Fabrication (BarCal)	23-Feb-12	20-Aug-12	25.20	$12,268	5.00	$0	$12,268	$0	4.40
15221009E	FY09 Travel (BarCal)	02-Jan-09	30-Sep-09	37.80	$0	0.00	$0	$5,626	$5,626	99.20
15221010	Proc SciFi Mods 01-06 (BarCal) P-1	01-Dec-08	29-May-09	24.20	$0	0.00	$415,776	$415,776	$0	44.00
15221010E	FY10 Travel (BarCal)	01-Oct-09	30-Sep-10	49.60	$0	0.00	$0	$7,618	$7,618	99.20
15221011E	FY11 Travel (BarCal)	01-Oct-10	30-Sep-11	49.60	$0	0.00	$0	$7,861	$7,861	99.20
15221012	Proc SciFi Mods 25-30 (BarCal) P-2	01-Jun-09	30-Sep-09	17.20	$0	0.00	$417,480	$417,480	$0	44.00
15221012A	Proc SciFi Mods P-1 Correction to Match award per CR09-052	17-Sep-09	17-Sep-09	0.20	$0	0.00	($1,448)	($1,448)	$0	1.80
15221012E	FY12 Travel (BarCal)	03-Oct-11	28-Sep-12	49.40	$0	0.00	$0	$6,591	$6,591	99.20
15221014	Proc SciFi Mods P-2 FY10 October Delivery	09-Sep-09	30-Oct-09	7.60	$0	0.00	$103,944	$103,944	$0	44.00
15221016	Proc SciFi Mods P-2 FY10 November Delivery	09-Sep-09	30-Nov-09	11.40	$0	0.00	$103,944	$103,944	$0	44.00
15221018	Proc SciFi Mods P-2 FY10 December Delivery	09-Sep-09	30-Dec-09	14.80	$0	0.00	$103,944	$103,944	$0	44.00
15221018A	Proc SciFi Mods P-2 FY10 January Delivery	09-Sep-09	29-Jan-10	18.80	$0	0.00	$103,944	$103,944	$0	44.00
15221018B	Proc SciFi Mods P-2 FY10 February Delivery	09-Sep-09	26-Feb-10	22.60	$0	0.00	$103,944	$103,944	$0	44.00
15221018C	Proc SciFi Mods P-2 FY10 March Delivery	09-Sep-09	31-Mar-10	27.20	$0	0.00	$103,944	$103,944	$0	44.00
15221018D	Proc SciFi Mods P-2 FY10 April Delivery	09-Sep-09	30-Apr-10	31.60	$0	0.00	$103,944	$103,944	$0	44.00
15221018F	Proc SciFi Mods P-2 FY10 May Delivery	09-Sep-09	28-May-10	35.60	$0	0.00	$103,944	$103,944	$0	44.00
15221018G	Proc SciFi Mods P-2 FY10 June Delivery	09-Sep-09	30-Jun-10	40.00	$0	0.00	$103,944	$103,944	$0	44.00
15221018H	Proc SciFi Mods P-2 FY10 July Delivery	09-Sep-09	30-Jul-10	44.20	$0	0.00	$103,944	$103,944	$0	44.00
15221018J	Proc SciFi Mods P-2 FY10 August Delivery	09-Sep-09	31-Aug-10	48.60	$0	0.00	$103,944	$103,944	$0	44.00



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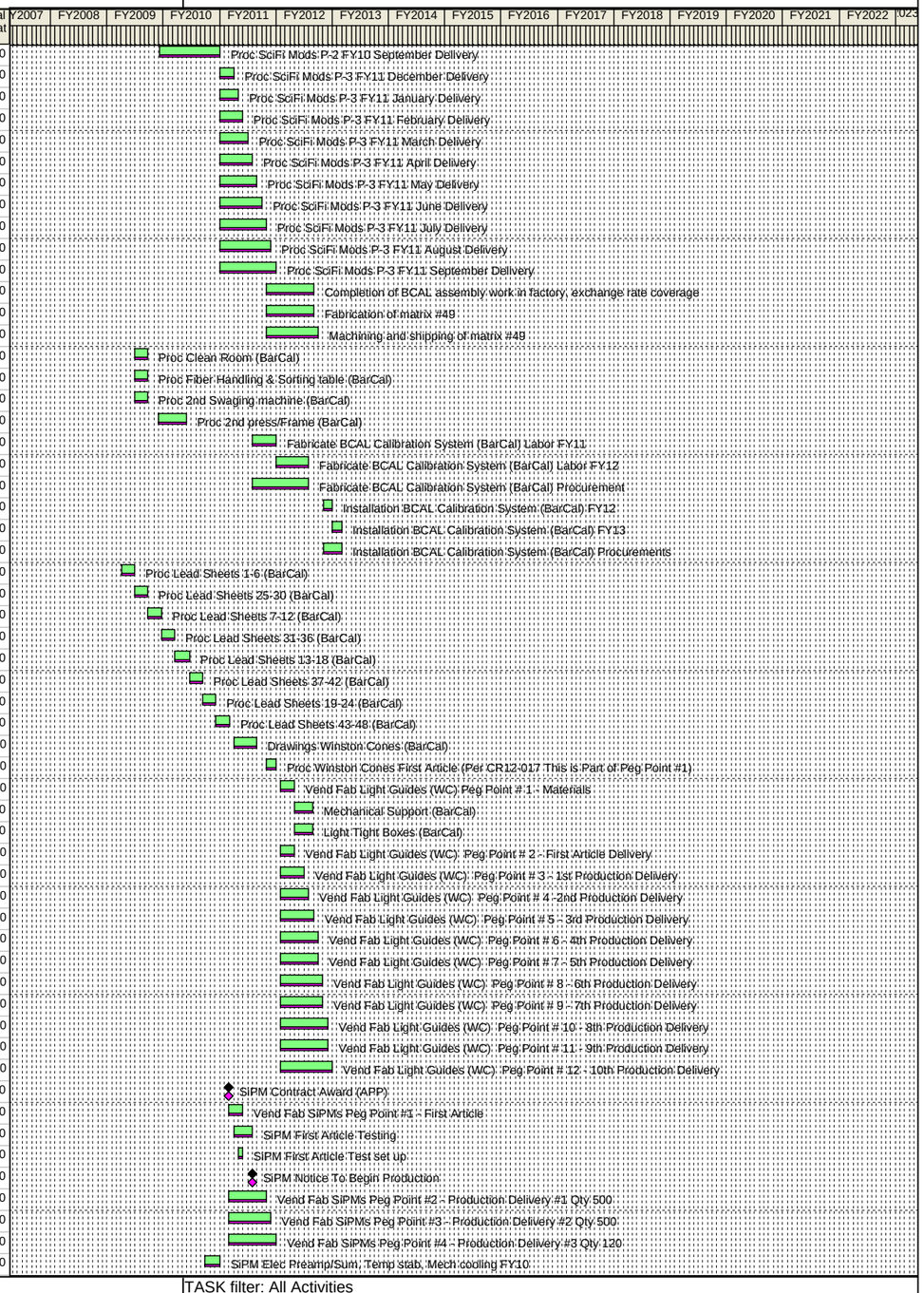
Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
15221018K	Proc SciFi Mods P-2 FY10 September Delivery	09-Sep-09	30-Sep-10	52.80	$0	0.00	$103,944	$103,944	$0	44.00
15221018N	Proc SciFi Mods P-3 FY11 December Delivery	01-Oct-10	30-Dec-10	11.60	$0	0.00	$104,886	$104,886	$0	44.00
15221018P	Proc SciFi Mods P-3 FY11 January Delivery	01-Oct-10	31-Jan-11	15.60	$0	0.00	$104,886	$104,886	$0	44.00
15221018Q	Proc SciFi Mods P-3 FY11 February Delivery	01-Oct-10	28-Feb-11	19.40	$0	0.00	$104,886	$104,886	$0	44.00
15221018R	Proc SciFi Mods P-3 FY11 March Delivery	01-Oct-10	31-Mar-11	24.00	$0	0.00	$104,886	$104,886	$0	44.00
15221018S	Proc SciFi Mods P-3 FY11 April Delivery	01-Oct-10	29-Apr-11	28.20	$0	0.00	$104,886	$104,886	$0	44.00
15221018T	Proc SciFi Mods P-3 FY11 May Delivery	01-Oct-10	31-May-11	32.40	$0	0.00	$104,886	$104,886	$0	44.00
15221018U	Proc SciFi Mods P-3 FY11 June Delivery	01-Oct-10	30-Jun-11	36.80	$0	0.00	$101,772	$101,772	$0	44.00
15221018V	Proc SciFi Mods P-3 FY11 July Delivery	01-Oct-10	29-Jul-11	40.80	$0	0.00	$101,772	$101,772	$0	44.00
15221018W	Proc SciFi Mods P-3 FY11 August Delivery	01-Oct-10	31-Aug-11	45.40	$0	0.00	$101,772	$101,772	$0	44.00
15221018X	Proc SciFi Mods P-3 FY11 September Delivery	01-Oct-10	30-Sep-11	49.60	$0	0.00	$101,772	$101,772	$0	44.00
15221020	Completion of BCAL assembly work in factory, exchange rate coverage	01-Aug-11	31-May-12	41.40	$0	0.00	$311,000	$311,000	$0	15.60
15221025	Fabrication of matrix #49	01-Aug-11	31-May-12	41.40	$0	0.00	$22,400	$22,400	$0	11.60
15221030	Machining and shipping of matrix #49	01-Aug-11	29-Jun-12	45.40	$0	0.00	$4,600	$4,600	$0	11.60
15221035	Proc Clean Room (BarCal)	01-Apr-09	24-Jun-09	12.00	$3,107	8.00	$31,945	$35,052	$0	148.20
15221040	Proc Fiber Handling & Sorting table (BarCal)	01-Apr-09	24-Jun-09	12.00	$1,554	4.00	$3,194	$4,748	$0	148.20
15221045	Proc 2nd Swaging machine (BarCal)	01-Apr-09	24-Jun-09	12.00	$0	0.00	$26,620	$26,620	$0	139.00
15221050	Proc 2nd press/Frame (BarCal)	31-Aug-09	01-Mar-10	24.00	$0	0.00	$30,655	$30,655	$0	119.00
15221055	Fabricate BCAL Calibration System (BarCal) Labor FY11	02-May-11	30-Sep-11	21.40	$8,931	5.22	$0	$8,931	$0	20.00
15221055a	Fabricate BCAL Calibration System (BarCal) Labor FY12	03-Oct-11	30-Apr-12	28.20	$12,144	6.88	$0	$12,144	$0	20.00
15221055b	Fabricate BCAL Calibration System (BarCal) Procurement	02-May-11	30-Apr-12	49.60	$0	0.00	$30,957	$30,957	$0	20.00
15221057	Installation BCAL Calibration System (BarCal) FY12	03-Aug-12	28-Sep-12	8.00	$3,538	1.99	$0	$3,538	$0	40.60
15221057a	Installation BCAL Calibration System (BarCal) FY13	01-Oct-12	04-Dec-12	9.00	$4,108	2.24	$0	$4,108	$0	40.60
15221057b	Installation BCAL Calibration System (BarCal) Procurements	03-Aug-12	04-Dec-12	17.00	$0	0.00	$21,190	$21,190	$0	40.60
15221060	Proc Lead Sheets 1-6 (BarCal)	05-Jan-09	31-Mar-09	12.00	$0	0.00	$24,491	$24,491	$0	84.80
15221070	Proc Lead Sheets 25-30 (BarCal)	01-Apr-09	24-Jun-09	12.00	$0	0.00	$24,491	$24,491	$0	84.80
15221080	Proc Lead Sheets 7-12 (BarCal)	25-Jun-09	18-Sep-09	12.00	$0	0.00	$24,491	$24,491	$0	84.80
15221090	Proc Lead Sheets 31-36 (BarCal)	21-Sep-09	15-Dec-09	12.00	$0	0.00	$24,491	$24,491	$0	84.80
15221100	Proc Lead Sheets 13-18 (BarCal)	16-Dec-09	19-Mar-10	12.00	$0	0.00	$25,272	$25,272	$0	84.80
15221115	Proc Lead Sheets 37-42 (BarCal)	22-Mar-10	14-Jun-10	12.00	$0	0.00	$25,272	$25,272	$0	84.80
15221130	Proc Lead Sheets 19-24 (BarCal)	15-Jun-10	08-Sep-10	12.00	$0	0.00	$25,272	$25,272	$0	84.80
15221145	Proc Lead Sheets 43-48 (BarCal)	09-Sep-10	03-Dec-10	12.00	$0	0.00	$25,272	$25,272	$0	84.80
15221147	Drawings Winston Cones (BarCal)	05-Jan-11	01-Jun-11	20.60	$28,942	13.00	$0	$28,942	$0	4.00
15221150	Proc Winston Cones First Article (Per CR12-017 This is Part of Peg Point #1)	01-Aug-11	30-Sep-11	8.80	$0	0.00	$10,000	$10,000	$0	4.00
15221155	Vend Fab Light Guides (WC) Peg Point # 1 - Materials	31-Oct-11	31-Jan-12	11.60	$0	0.00	$50,000	$50,000	$0	4.00
15221155a	Mechanical Support (BarCal)	01-Feb-12	30-May-12	16.80	$0	0.00	$0	$10,648	$10,648	58.80
15221155b	Light Tight Boxes (BarCal)	01-Feb-12	30-May-12	16.80	$0	0.00	$0	$21,296	$21,296	58.80
15221156	Vend Fab Light Guides (WC) Peg Point # 2 - First Article Delivery	31-Oct-11	31-Jan-12	11.60	$0	0.00	$6,800	$6,800	$0	4.00
15221156a	Vend Fab Light Guides (WC) Peg Point # 3 - 1st Production Delivery	31-Oct-11	30-Mar-12	20.00	$0	0.00	$33,320	$33,320	$0	4.00
15221156b	Vend Fab Light Guides (WC) Peg Point # 4 -2nd Production Delivery	31-Oct-11	30-Apr-12	24.20	$0	0.00	$33,320	$33,320	$0	4.00
15221156c	Vend Fab Light Guides (WC) Peg Point # 5 - 3rd Production Delivery	31-Oct-11	31-May-12	28.60	$0	0.00	$33,320	$33,320	$0	4.00
15221156d	Vend Fab Light Guides (WC) Peg Point # 6 - 4th Production Delivery	31-Oct-11	29-Jun-12	32.60	$0	0.00	$33,320	$33,320	$0	4.00
15221156f	Vend Fab Light Guides (WC) Peg Point # 7 - 5th Production Delivery	31-Oct-11	29-Jun-12	32.60	$0	0.00	$33,320	$33,320	$0	4.00
15221156g	Vend Fab Light Guides (WC) Peg Point # 8 - 6th Production Delivery	31-Oct-11	31-Jul-12	37.00	$0	0.00	$33,320	$33,320	$0	4.00
15221156h	Vend Fab Light Guides (WC) Peg Point # 9 - 7th Production Delivery	31-Oct-11	31-Jul-12	37.00	$0	0.00	$33,320	$33,320	$0	4.00
15221156j	Vend Fab Light Guides (WC) Peg Point # 10 - 8th Production Delivery	31-Oct-11	31-Aug-12	41.60	$0	0.00	$33,320	$33,320	$0	4.00
15221156k	Vend Fab Light Guides (WC) Peg Point # 11 - 9th Production Delivery	31-Oct-11	31-Aug-12	41.60	$0	0.00	$33,320	$33,320	$0	4.00
15221156n	Vend Fab Light Guides (WC) Peg Point # 12 - 10th Production Delivery	31-Oct-11	28-Sep-12	45.40	$0	0.00	$33,320	$33,320	$0	4.00
15221157M	SiPM Contract Award (APP)	30-Nov-10		0.00	$0	0.00	$0	$0	$0	62.40
15221158	Vend Fab SiPMs Peg Point #1 - First Article	01-Dec-10	28-Feb-11	11.20	$0	0.00	$86,720	$86,720	$0	66.80
15221158a	SiPM First Article Testing	04-Jan-11	02-May-11	16.60	$98,539	36.00	$0	$98,539	$0	62.40
15221158b	SiPM First Article Test set up	02-Feb-11	01-Mar-11	3.80	$0	0.00	$10,000	$10,000	$0	71.20
15221158M	SiPM Notice To Begin Production	03-May-11		0.00	$0	0.00	$0	$0	$0	62.40
15221159	Vend Fab SiPMs Peg Point #2 - Production Delivery #1 Qty 500	01-Dec-10	29-Jul-11	32.60	$0	0.00	$262,500	$262,500	$0	62.40
15221159a	Vend Fab SiPMs Peg Point #3 - Production Delivery #2 Qty 500	01-Dec-10	31-Aug-11	37.20	$0	0.00	$262,500	$262,500	$0	99.00
15221159b	Vend Fab SiPMs Peg Point #4 - Production Delivery #3 Qty 120	01-Dec-10	30-Sep-11	41.40	$0	0.00	$63,000	$63,000	$0	99.00
15221160a	SiPM Elec Preamp/Sum, Temp stab, Mech cooling FY10	25-Jun-10	30-Sep-10	13.60	$165,297	79.90	$0	$190,797	$25,500	87.40



Primary Baseline | Remaining Work | Baseline Milestone
Actual Work | Critical Remaining Work | Milestone

TASK filter: All Activities

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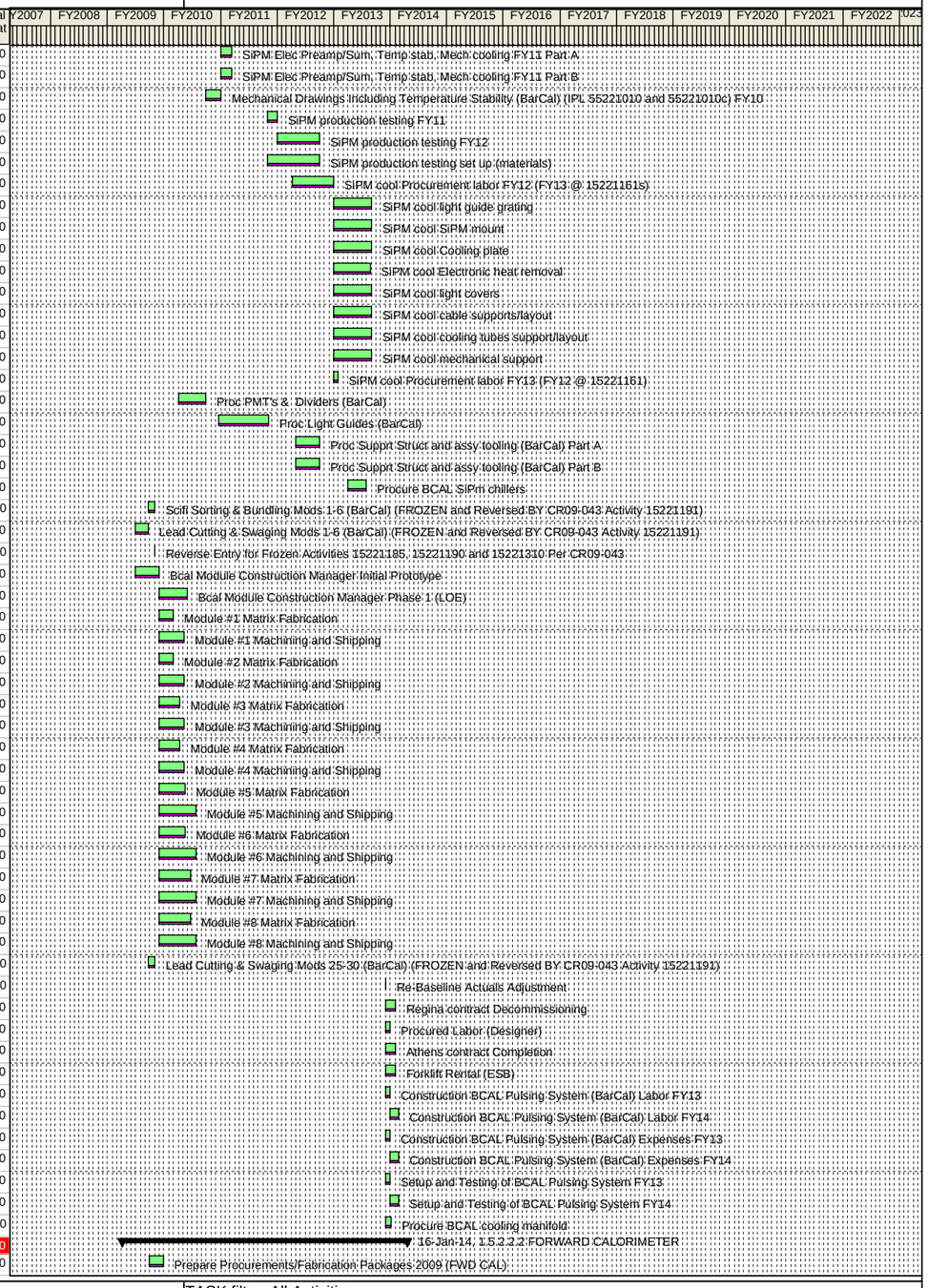
Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
15221160ab	SiPM Elec Preamp/Sum, Temp stab, Mech cooling FY11 Part A	01-Oct-10	15-Dec-10	10.40	$145,740	66.73	$35,000	$200,862	$20,122	87.40
15221160aba	SiPM Elec Preamp/Sum, Temp stab, Mech cooling FY11 Part B	01-Oct-10	15-Dec-10	10.40	$0	0.00	$65,000	$65,000	$0	87.40
15221160b	Mechanical Drawings Including Temperature Stability (BarCal) (IPL 55221010 and 5522...	25-Jun-10	30-Sep-10	13.60	$19,404	7.37	$0	$19,404	$0	97.80
15221160ba	SiPM production testing FY11	01-Aug-11	30-Sep-11	8.80	$13,663	7.96	$0	$13,663	$0	62.40
15221160baa	SiPM production testing FY12	03-Oct-11	29-Jun-12	36.60	$58,634	33.10	$0	$58,634	$0	62.40
15221160bb	SiPM production testing set up (materials)	01-Aug-11	29-Jun-12	45.40	$0	0.00	$53,999	$53,999	$0	62.40
15221161	SiPM cool Procurement labor FY12 (FY13 @ 15221161s)	11-Jan-12	28-Sep-12	36.60	$20,414	11.55	$0	$20,414	$0	109.60
15221161a	SiPM cool light guide grating	01-Oct-12	03-Jun-13	33.00	$0	0.00	$10,319	$10,319	$0	42.60
15221161b	SiPM cool SiPM mount	01-Oct-12	03-Jun-13	33.00	$0	0.00	$10,319	$10,319	$0	81.20
15221161c	SiPM cool Cooling plate	01-Oct-12	03-Jun-13	33.00	$0	0.00	$51,595	$51,595	$0	81.20
15221161f	SiPM cool Electronic heat removal	01-Oct-12	29-May-13	32.40	$0	0.00	$10,319	$10,319	$0	81.80
15221161h	SiPM cool light covers	01-Oct-12	03-Jun-13	33.00	$0	0.00	$10,319	$10,319	$0	81.20
15221161j	SiPM cool cable supports/layout	01-Oct-12	03-Jun-13	33.00	$0	0.00	$9,390	$9,390	$0	81.20
15221161k	SiPM cool cooling tubes support/layout	01-Oct-12	03-Jun-13	33.00	$0	0.00	$10,319	$10,319	$0	81.20
15221161n	SiPM cool mechanical support	01-Oct-12	03-Jun-13	33.00	$0	0.00	$12,383	$12,383	$0	81.20
15221161s	SiPM cool Procurement labor FY13 (FY12 @ 15221161)	01-Oct-12	31-Oct-12	4.60	$2,648	1.45	$0	$2,648	$0	109.60
15221165	Proc PMT's & Dividers (BarCal)	05-Jan-10	24-Jun-10	24.00	$0	0.00	$0	$0	$0	111.40
15221173	Proc Light Guides (BarCal)	20-Sep-10	09-Aug-11	44.00	$0	0.00	$0	$0	$0	55.60
15221180	Proc Supprt Struct and assy tooling (BarCal) Part A	01-Feb-12	29-Jun-12	21.00	$0	0.00	$92,190	$92,190	$0	54.60
15221180a	Proc Supprt Struct and assy tooling (BarCal) Part B	01-Feb-12	29-Jun-12	21.00	$0	0.00	$11,000	$11,000	$0	54.60
15221182	Procure BCAL SiPm chillers	03-Jan-13	26-Apr-13	16.00	$0	0.00	$24,766	$24,766	$0	21.60
15221185	Scifi Sorting & Bundling Mods 1-6 (BarCal) (FROZEN and Reversed BY CR09-043 Activi...	25-Jun-09	31-Jul-09	5.20	$337	0.87	$0	$337	$0	8.40
15221190	Lead Cutting & Swaging Mods 1-6 (BarCal) (FROZEN and Reversed BY CR09-043 Activ...	01-Apr-09	24-Jun-09	12.00	$13,982	36.00	$0	$13,982	$0	13.60
15221191	Reverse Entry for Frozen Activities 15221185, 15221190 and 15221310 Per CR09-043	05-Aug-09	05-Aug-09	0.20	($20,379)	-52.47	$0	($20,379)	$0	7.80
15221192LOE	Bcal Module Construction Manager Initial Prototype	01-Apr-09	28-Aug-09	21.20	$29,242	14.29	$0	$29,242	$0	16.80
15221195	Bcal Module Construction Manager Phase 1 (LOE)	31-Aug-09	01-Mar-10	24.00	$0	0.00	$50,160	$50,160	$0	16.80
15221200	Module #1 Matrix Fabrication	31-Aug-09	01-Dec-09	12.80	$0	0.00	$12,842	$12,842	$0	139.00
15221205	Module #1 Machining and Shipping	31-Aug-09	10-Feb-10	21.60	$0	0.00	$4,607	$4,607	$0	129.20
15221210	Module #2 Matrix Fabrication	31-Aug-09	01-Dec-09	12.80	$0	0.00	$12,842	$12,842	$0	139.00
15221215	Module #2 Machining and Shipping	31-Aug-09	10-Feb-10	21.60	$0	0.00	$4,607	$4,607	$0	129.20
15221220	Module #3 Matrix Fabrication	31-Aug-09	07-Jan-10	17.00	$0	0.00	$12,842	$12,842	$0	134.80
15221225	Module #3 Machining and Shipping	31-Aug-09	10-Feb-10	21.60	$0	0.00	$4,607	$4,607	$0	129.20
15221230	Module #4 Matrix Fabrication	31-Aug-09	07-Jan-10	17.00	$0	0.00	$12,842	$12,842	$0	134.80
15221235	Module #4 Machining and Shipping	31-Aug-09	10-Feb-10	21.60	$0	0.00	$4,607	$4,607	$0	129.20
15221240	Module #5 Matrix Fabrication	31-Aug-09	12-Feb-10	22.00	$0	0.00	$12,842	$12,842	$0	129.80
15221245	Module #5 Machining and Shipping	31-Aug-09	27-Apr-10	32.20	$0	0.00	$4,607	$4,607	$0	118.60
15221250	Module #6 Matrix Fabrication	31-Aug-09	12-Feb-10	22.00	$0	0.00	$12,842	$12,842	$0	129.80
15221255	Module #6 Machining and Shipping	31-Aug-09	27-Apr-10	32.20	$0	0.00	$4,607	$4,607	$0	118.60
15221260	Module #7 Matrix Fabrication	31-Aug-09	24-Mar-10	27.40	$0	0.00	$12,842	$12,842	$0	124.40
15221265	Module #7 Machining and Shipping	31-Aug-09	27-Apr-10	32.20	$0	0.00	$4,607	$4,607	$0	118.60
15221270	Module #8 Matrix Fabrication	31-Aug-09	24-Mar-10	27.40	$0	0.00	$12,842	$12,842	$0	124.40
15221275	Module #8 Machining and Shipping	31-Aug-09	27-Apr-10	32.20	$0	0.00	$4,607	$4,607	$0	118.60
15221310	Lead Cutting & Swaging Mods 25-30 (BarCal) (FROZEN and Reversed BY CR09-043 A...	25-Jun-09	31-Jul-09	5.20	$6,059	15.60	$0	$6,059	$0	8.40
15221315	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$660,503	$660,503	$0	4.00
25221000	Regina contract Decommissioning	03-Sep-13	31-Oct-13	8.60	$0	0.00	$8,478	$8,478	$0	44.80
25221005	Procured Labor (Designer)	03-Sep-13	30-Sep-13	4.00	$0	0.00	$1,142	$1,142	$0	49.40
25221010	Athens contract Completion	03-Sep-13	31-Oct-13	8.60	$0	0.00	$5,125	$5,125	$0	44.80
25221010LOE	Forklift Rental (ESB)	03-Sep-13	31-Oct-13	8.60	$0	0.00	$817	$817	$0	44.80
25221057b	Construction BCAL Pulsing System (BarCal) Labor FY13	03-Sep-13	30-Sep-13	4.00	$5,608	2.03	$0	$5,608	$0	38.80
25221057ba	Construction BCAL Pulsing System (BarCal) Labor FY14	01-Oct-13	27-Nov-13	8.40	$11,777	4.27	$0	$11,777	$0	38.80
25221057c	Construction BCAL Pulsing System (BarCal) Expenses FY13	03-Sep-13	30-Sep-13	4.00	$0	0.00	$0	$532	$532	38.80
25221057ca	Construction BCAL Pulsing System (BarCal) Expenses FY14	01-Oct-13	27-Nov-13	8.40	$0	0.00	$0	$1,118	$1,118	38.80
25221060	Setup and Testing of BCAL Pulsing System FY13	03-Sep-13	30-Sep-13	4.00	$9,869	3.87	$0	$9,869	$0	10.80
25221060a	Setup and Testing of BCAL Pulsing System FY14	01-Oct-13	27-Nov-13	8.40	$20,725	8.13	$0	$20,725	$0	10.80
25221320	Procure BCAL cooling manifold	03-Sep-13	03-Oct-13	4.60	$0	0.00	$9,420	$9,420	$0	5.80
1.5.2.2.2 FORWARD CALORIMETER		02-Jan-09	16-Jan-14	250.00	$267,220	222.91	$22,161	$294,473	$5,092	15.60
15222001	Prepare Procurements/Fabrication Packages 2009 (FWD CAL)	01-Jul-09	30-Sep-09	12.80	$18,179	9.00	$0	$18,179	$0	160.40



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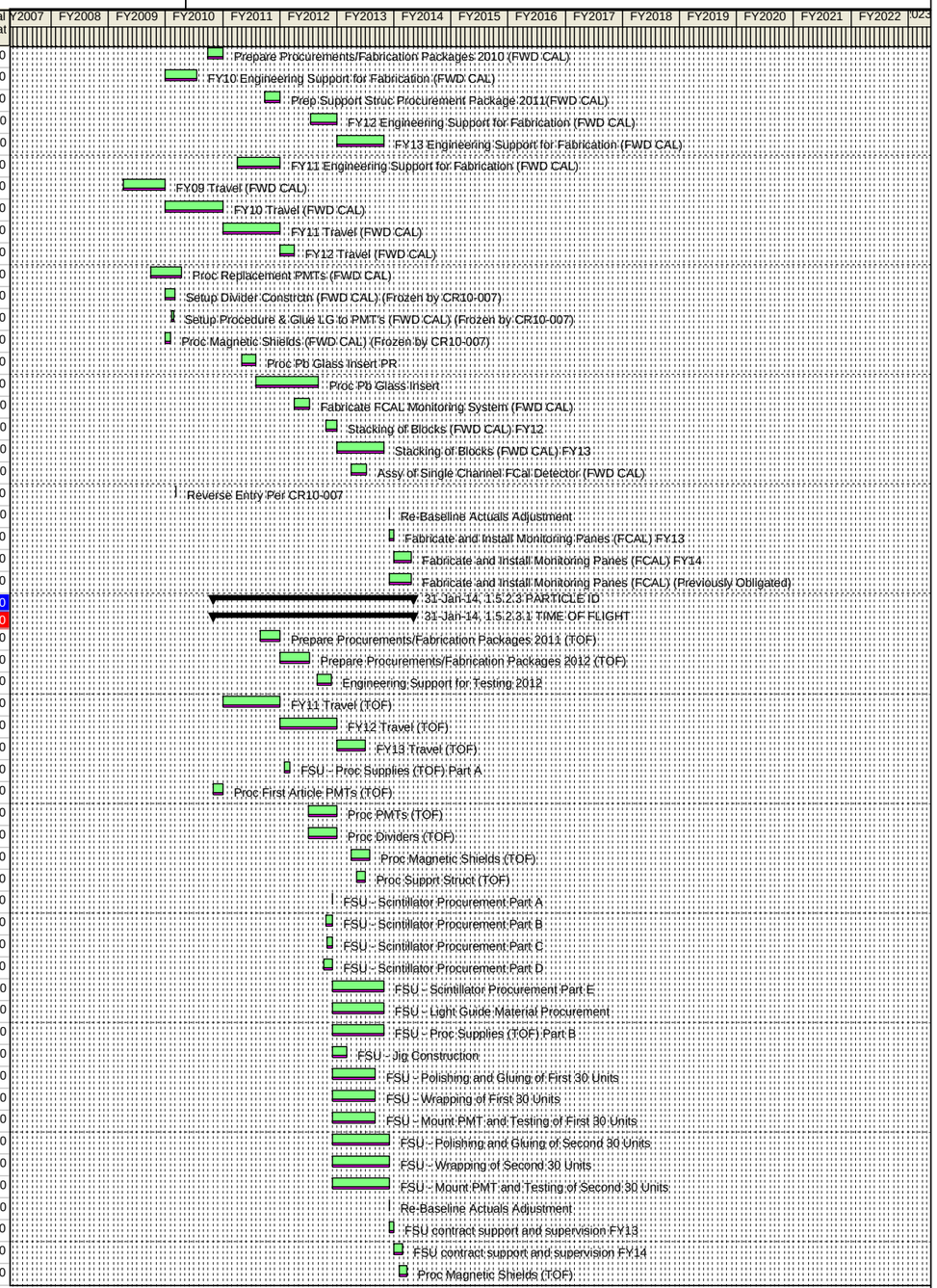
Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
15222002	Prepare Procurements/Fabrication Packages 2010 (FWD CAL)	01-Jul-10	30-Sep-10	12.80	$28,632	14.00	$0	$28,632	$0	121.80
15222003	FY10 Engineering Support for Fabrication (FWD CAL)	01-Oct-09	15-Apr-10	26.20	$8,887	4.00	$0	$8,887	$0	145.20
15222004	Prep Support Struc Procurement Package 2011(FWD CAL)	30-Jun-11	30-Sep-11	13.00	$15,623	7.00	$0	$15,623	$0	85.20
15222005	FY12 Engineering Support for Fabrication (FWD CAL)	16-Apr-12	28-Sep-12	23.40	$5,532	2.87	$0	$5,532	$0	4.00
15222006	FY13 Engineering Support for Fabrication (FWD CAL)	01-Oct-12	29-Jul-13	40.80	$12,581	5.94	$0	$12,581	$0	4.00
15222007	FY11 Engineering Support for Fabrication (FWD CAL)	05-Jan-11	30-Sep-11	37.60	$25,810	12.00	$0	$25,810	$0	30.00
15222009E	FY09 Travel (FWD CAL)	02-Jan-09	30-Sep-09	37.80	$0	0.00	$0	$647	$647	63.40
15222010E	FY10 Travel (FWD CAL)	01-Oct-09	30-Sep-10	49.60	$0	0.00	$0	$876	$876	63.40
15222011E	FY11 Travel (FWD CAL)	01-Oct-10	30-Sep-11	49.60	$0	0.00	$0	$902	$902	63.40
15222012E	FY12 Travel (FWD CAL)	03-Oct-11	30-Dec-11	11.60	$0	0.00	$0	$187	$187	63.40
15222015	Proc Replacement PMTs (FWD CAL)	01-Jul-09	12-Jan-10	26.00	$0	0.00	$85,185	$85,185	$0	152.20
15222025	Setup Divider Constrctn (FWD CAL) (Frozen by CR10-007)	01-Oct-09	30-Nov-09	8.20	$21,737	8.20	$0	$21,737	$0	41.40
15222045	Setup Procedure & Glue LG to PMT's (FWD CAL) (Frozen by CR10-007)	12-Nov-09	25-Nov-09	2.00	$1,525	3.36	$0	$1,525	$0	157.40
15222050	Proc Magnetic Shields (FWD CAL) (Frozen by CR10-007)	01-Oct-09	04-Nov-09	5.00	$0	0.00	$61,532	$61,532	$0	160.40
15222055	Proc Pb Glass Insert PR	01-Feb-11	02-May-11	12.80	$5,474	2.00	$0	$5,474	$0	11.00
15222060	Proc Pb Glass Insert	03-May-11	31-May-12	53.80	$0	0.00	$0	$0	$0	11.00
15222080	Fabricate FCAL Monitoring System (FWD CAL)	05-Jan-12	05-Apr-12	12.80	$6,399	3.60	$26,620	$33,020	$0	9.60
15222100	Stacking of Blocks (FWD CAL) FY12	23-Jul-12	28-Sep-12	9.80	$15,148	17.04	$0	$15,148	$0	4.00
15222100a	Stacking of Blocks (FWD CAL) FY13	01-Oct-12	29-Jul-13	40.80	$65,081	70.96	$0	$65,081	$0	4.00
15222105	Assy of Single Channel FCal Detector (FWD CAL)	03-Jan-13	05-Apr-13	13.00	$40,357	66.00	$0	$40,357	$0	4.80
15222110	Reverse Entry Per CR10-007	07-Dec-09	07-Dec-09	0.20	($23,261)	-11.56	($61,532)	($84,793)	$0	40.40
15222115	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($95,165)	($95,165)	$0	4.00
25222085	Fabricate and Install Monitoring Panes (FCAL) FY13	03-Sep-13	30-Sep-13	4.00	$4,435	1.93	$0	$4,999	$564	15.80
25222085a	Fabricate and Install Monitoring Panes (FCAL) FY14	01-Oct-13	16-Jan-14	13.60	$15,080	6.57	$0	$16,997	$1,916	15.80
25222090	Fabricate and Install Monitoring Panes (FCAL) (Previously Obligated)	03-Sep-13	16-Jan-14	17.60	$0	0.00	$5,520	$5,520	$0	15.80
1.5.2.3 PARTICLE ID		02-Aug-10	31-Jan-14	173.20	$96,530	47.44	$677,633	$778,110	$3,948	46.80
1.5.2.3.1 TIME OF FLIGHT		02-Aug-10	31-Jan-14	173.20	$96,530	47.44	$677,633	$778,110	$3,948	46.80
15231001	Prepare Procurements/Fabrication Packages 2011 (TOF)	01-Jun-11	30-Sep-11	17.20	$38,195	20.00	$0	$38,195	$0	57.60
15231001a	Prepare Procurements/Fabrication Packages 2012 (TOF)	03-Oct-11	10-Apr-12	25.40	$39,414	20.00	$0	$39,414	$0	57.60
15231002	Engineering Support for Testing 2012	29-May-12	28-Aug-12	13.00	$9,463	4.00	$0	$9,463	$0	54.00
15231011E	FY11 Travel (TOF)	01-Oct-10	30-Sep-11	49.60	$0	0.00	$0	$1,607	$1,607	25.60
15231012E	FY12 Travel (TOF)	03-Oct-11	28-Sep-12	49.40	$0	0.00	$0	$1,658	$1,658	25.60
15231013E	FY13 Travel (TOF)	01-Oct-12	29-Mar-13	24.00	$0	0.00	$0	$683	$683	25.60
15231015	FSU - Proc Supplies (TOF) Part A	02-Nov-11	01-Dec-11	4.00	$0	0.00	$11,700	$11,700	$0	90.60
15231019	Proc First Article PMTs (TOF)	02-Aug-10	30-Sep-10	8.60	$0	0.00	$12,000	$12,000	$0	148.60
15231020	Proc PMTs (TOF)	05-Apr-12	28-Sep-12	24.80	$0	0.00	$147,829	$147,829	$0	49.60
15231025	Proc Dividers (TOF)	05-Apr-12	28-Sep-12	24.80	$0	0.00	$31,385	$31,385	$0	49.60
15231030	Proc Magnetic Shields (TOF)	03-Jan-13	26-Apr-13	16.00	$0	0.00	$11,359	$11,359	$0	21.60
15231045	Proc Supprt Struct (TOF)	01-Feb-13	29-Mar-13	8.00	$0	0.00	$24,147	$24,147	$0	25.60
15231055	FSU - Scintillator Procurement Part A	31-Aug-12	31-Aug-12	0.20	$0	0.00	$285	$285	$0	53.40
15231060	FSU - Scintillator Procurement Part B	20-Jul-12	31-Aug-12	6.20	$0	0.00	$2,746	$2,746	$0	53.40
15231065	FSU - Scintillator Procurement Part C	27-Jul-12	31-Aug-12	5.20	$0	0.00	$3,052	$3,052	$0	53.40
15231070	FSU - Scintillator Procurement Part D	11-Jul-12	31-Aug-12	7.60	$0	0.00	$5,489	$5,489	$0	53.40
15231075	FSU - Scintillator Procurement Part E	04-Sep-12	31-Jul-13	45.00	$0	0.00	$75,649	$75,649	$0	4.00
15231080	FSU - Light Guide Material Procurement	04-Sep-12	31-Jul-13	45.00	$0	0.00	$17,856	$17,856	$0	4.00
15231090	FSU - Proc Supplies (TOF) Part B	04-Sep-12	31-Jul-13	45.00	$0	0.00	$9,785	$9,785	$0	4.00
15231093	FSU - Jig Construction	04-Sep-12	30-Nov-12	12.40	$0	0.00	$18,524	$18,524	$0	4.00
15231095	FSU - Polishing and Gluing of First 30 Units	04-Sep-12	31-May-13	36.60	$0	0.00	$16,383	$16,383	$0	4.00
15231100	FSU - Wrapping of First 30 Units	04-Sep-12	31-May-13	36.60	$0	0.00	$9,015	$9,015	$0	4.00
15231105	FSU - Mount PMT and Testing of First 30 Units	04-Sep-12	31-May-13	36.60	$0	0.00	$18,740	$18,740	$0	4.00
15231110	FSU - Polishing and Gluing of Second 30 Units	04-Sep-12	30-Aug-13	49.40	$0	0.00	$16,383	$16,383	$0	4.00
15231115	FSU - Wrapping of Second 30 Units	04-Sep-12	30-Aug-13	49.40	$0	0.00	$9,015	$9,015	$0	4.00
15231120	FSU - Mount PMT and Testing of Second 30 Units	04-Sep-12	30-Aug-13	49.40	$0	0.00	$18,740	$18,740	$0	4.00
15231150	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($66,829)	($66,829)	$0	4.00
25231010	FSU contract support and supervision FY13	03-Sep-13	30-Sep-13	4.00	$3,319	1.21	$0	$3,319	$0	53.80
25231010a	FSU contract support and supervision FY14	01-Oct-13	27-Nov-13	8.40	$6,139	2.23	$0	$6,139	$0	53.80
25231030	Proc Magnetic Shields (TOF)	01-Nov-13	20-Dec-13	6.80	$0	0.00	$5,679	$5,679	$0	16.80



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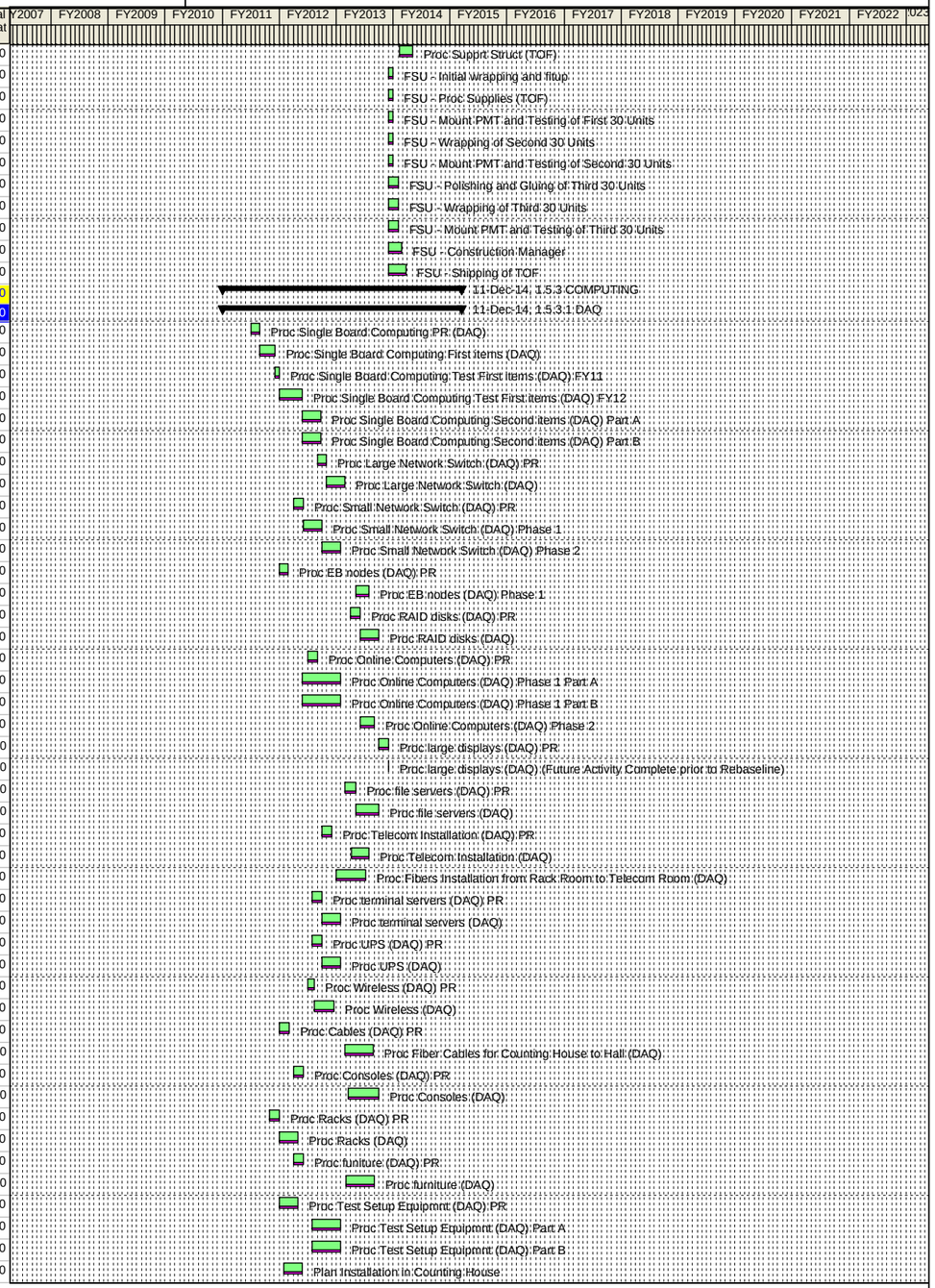
Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
25231045	Proc Supprt Struct (TOF)	13-Nov-13	31-Jan-14	9.40	$0	0.00	$21,732	$21,732	$0	12.60
25231085	FSU - Initial wrapping and fitup	03-Sep-13	30-Sep-13	4.00	$0	0.00	$179,569	$179,569	$0	22.20
25231090	FSU - Proc Supplies (TOF)	03-Sep-13	30-Sep-13	4.00	$0	0.00	$2,363	$2,363	$0	22.20
25231105	FSU - Mount PMT and Testing of First 30 Units	03-Sep-13	30-Sep-13	4.00	$0	0.00	$7,683	$7,683	$0	13.80
25231115	FSU - Wrapping of Second 30 Units	03-Sep-13	30-Sep-13	4.00	$0	0.00	$451	$451	$0	13.80
25231120	FSU - Mount PMT and Testing of Second 30 Units	03-Sep-13	30-Sep-13	4.00	$0	0.00	$9,370	$9,370	$0	13.80
25231125	FSU - Polishing and Gluing of Third 30 Units	03-Sep-13	31-Oct-13	8.60	$0	0.00	$1,147	$1,147	$0	13.80
25231130	FSU - Wrapping of Third 30 Units	03-Sep-13	31-Oct-13	8.60	$0	0.00	$9,015	$9,015	$0	13.80
25231135	FSU - Mount PMT and Testing of Third 30 Units	03-Sep-13	31-Oct-13	8.60	$0	0.00	$14,055	$14,055	$0	13.80
25231140	FSU - Construction Manager	03-Sep-13	27-Nov-13	12.40	$0	0.00	$21,381	$21,381	$0	13.80
25231145	FSU - Shipping of TOF	03-Sep-13	20-Dec-13	15.40	$0	0.00	$11,940	$11,940	$0	13.80
1.5.3 COMPUTING		01-Oct-10	11-Dec-14	208.20	$2,107,103	904.40	$558,590	$2,674,850	$9,156	90.00
1.5.3.1 DAQ		01-Oct-10	11-Dec-14	208.20	$485,579	175.62	$1,025,736	$1,515,343	$4,028	90.00
1531005	Proc Single Board Computing PR (DAQ)	01-Apr-11	01-Jun-11	8.60	$2,737	1.00	$0	$2,737	$0	62.80
1531005a	Proc Single Board Computing First items (DAQ)	02-Jun-11	01-Sep-11	13.00	$0	0.00	$20,000	$20,000	$0	62.80
1531005b	Proc Single Board Computing Test First items (DAQ) FY11	02-Sep-11	30-Sep-11	4.00	$1,872	0.68	$0	$1,872	$0	62.80
1531005ba	Proc Single Board Computing Test First items (DAQ) FY12	03-Oct-11	28-Feb-12	19.40	$9,366	3.32	$0	$9,366	$0	62.80
1531005c	Proc Single Board Computing Second items (DAQ) Part A	29-Feb-12	27-Jun-12	16.80	$0	0.00	$11,000	$11,000	$0	62.80
1531005ca	Proc Single Board Computing Second items (DAQ) Part B	29-Feb-12	27-Jun-12	16.80	$0	0.00	$29,000	$29,000	$0	62.80
1531010	Proc Large Network Switch (DAQ) PR	01-Jun-12	31-Jul-12	8.40	$2,625	1.00	$0	$2,625	$0	33.40
1531012	Proc Large Network Switch (DAQ)	01-Aug-12	28-Nov-12	16.60	$0	0.00	$67,074	$67,074	$0	33.40
1531015	Proc Small Network Switch (DAQ) PR	03-Jan-12	01-Mar-12	8.20	$2,625	1.00	$0	$2,625	$0	37.60
1531017	Proc Small Network Switch (DAQ) Phase 1	02-Mar-12	29-Jun-12	16.80	$0	0.00	$25,798	$25,798	$0	37.60
1531018	Proc Small Network Switch (DAQ) Phase 2	02-Jul-12	26-Oct-12	16.80	$0	0.00	$25,798	$25,798	$0	37.60
1531020	Proc EB nodes (DAQ) PR	03-Oct-11	30-Nov-11	8.20	$5,449	2.00	$0	$5,449	$0	70.80
1531022	Proc EB nodes (DAQ) Phase 1	01-Feb-13	26-Apr-13	12.00	$0	0.00	$27,861	$27,861	$0	13.60
1531025	Proc RAID disks (DAQ) PR	03-Jan-13	01-Mar-13	8.00	$5,623	2.00	$0	$5,623	$0	12.80
1531027	Proc RAID disks (DAQ)	04-Mar-13	28-Jun-13	16.80	$0	0.00	$56,755	$56,755	$0	12.80
1531030	Proc Online Computers (DAQ) PR	02-Apr-12	31-May-12	8.60	$5,449	2.00	$0	$5,449	$0	32.20
1531032	Proc Online Computers (DAQ) Phase 1 Part A	01-Mar-12	31-Oct-12	34.40	$0	0.00	$12,000	$12,000	$0	32.20
1531032a	Proc Online Computers (DAQ) Phase 1 Part B	01-Mar-12	31-Oct-12	34.40	$0	0.00	$23,000	$23,000	$0	32.20
1531033	Proc Online Computers (DAQ) Phase 2	04-Mar-13	31-May-13	12.80	$0	0.00	$59,850	$59,850	$0	16.80
1531035	Proc large displays (DAQ) PR	01-Jul-13	30-Aug-13	8.80	$2,708	1.00	$0	$2,708	$0	4.00
1531037	Proc large displays (DAQ) (Future Activity Complete prior to Rebaseline)	30-Aug-13	30-Aug-13	0.20	$0	0.00	$0	$0	$0	4.00
1531040	Proc file servers (DAQ) PR	28-Nov-12	04-Feb-13	8.40	$5,623	2.00	$0	$5,623	$0	4.80
1531042	Proc file servers (DAQ)	05-Feb-13	28-Jun-13	20.40	$0	0.00	$36,117	$36,117	$0	4.80
1531045	Proc Telecom Installation (DAQ) PR	04-Jul-12	31-Aug-12	8.60	$2,824	1.00	$0	$2,824	$0	13.80
1531047	Proc Telecom Installation (DAQ)	04-Jan-13	25-Apr-13	15.60	$0	0.00	$15,479	$15,479	$0	13.80
1531048	Proc Fibers Installation from Rack Room to Telecom Room (DAQ)	01-Oct-12	09-Apr-13	25.40	$0	0.00	$10,319	$10,319	$0	16.20
1531050	Proc terminal servers (DAQ) PR	01-May-12	02-Jul-12	8.60	$2,625	1.00	$0	$2,625	$0	37.20
1531052	Proc terminal servers (DAQ)	03-Jul-12	30-Oct-12	17.00	$0	0.00	$8,255	$8,255	$0	37.20
1531055	Proc UPS (DAQ) PR	01-May-12	29-Jun-12	8.40	$8,274	3.00	$0	$8,274	$0	37.40
1531057	Proc UPS (DAQ)	02-Jul-12	29-Oct-12	17.00	$0	0.00	$78,424	$78,424	$0	37.40
1531060	Proc Wireless (DAQ) PR	02-Apr-12	16-May-12	6.60	$2,625	1.00	$0	$2,625	$0	43.80
1531062	Proc Wireless (DAQ)	17-May-12	13-Sep-12	16.60	$0	0.00	$46,436	$46,436	$0	43.80
1531065	Proc Cables (DAQ) PR	03-Oct-11	01-Dec-11	8.40	$5,649	2.00	$0	$5,649	$0	58.20
1531070	Proc Fiber Cables for Counting House to Hall (DAQ)	28-Nov-12	29-May-13	24.40	$0	0.00	$25,798	$25,798	$0	9.20
1531075	Proc Consoles (DAQ) PR	03-Jan-12	01-Mar-12	8.20	$2,824	1.00	$0	$2,824	$0	45.40
1531077	Proc Consoles (DAQ)	19-Dec-12	28-Jun-13	25.80	$0	0.00	$41,276	$41,276	$0	4.80
1531080	Proc Racks (DAQ) PR	01-Aug-11	30-Sep-11	8.80	$2,737	1.00	$0	$2,737	$0	75.40
1531082	Proc Racks (DAQ)	03-Oct-11	31-Jan-12	15.60	$0	0.00	$26,829	$26,829	$0	75.40
1531085	Proc funiture (DAQ) PR	03-Jan-12	01-Mar-12	8.20	$5,649	2.00	$0	$5,649	$0	47.00
1531087	Proc furniture (DAQ)	03-Dec-12	31-May-13	24.20	$0	0.00	$51,595	$51,595	$0	8.80
1531090	Proc Test Setup Equipmnt (DAQ) PR	03-Oct-11	30-Jan-12	15.40	$5,649	2.00	$0	$5,649	$0	46.00
1531092	Proc Test Setup Equipmnt (DAQ) Part A	01-May-12	31-Oct-12	25.80	$0	0.00	$40,500	$40,500	$0	33.20
1531092a	Proc Test Setup Equipmnt (DAQ) Part B	01-May-12	31-Oct-12	25.80	$0	0.00	$4,500	$4,500	$0	33.20
1531093	Plan Installation in Counting House	31-Oct-11	28-Feb-12	15.40	$9,179	4.00	$0	$9,179	$0	46.00



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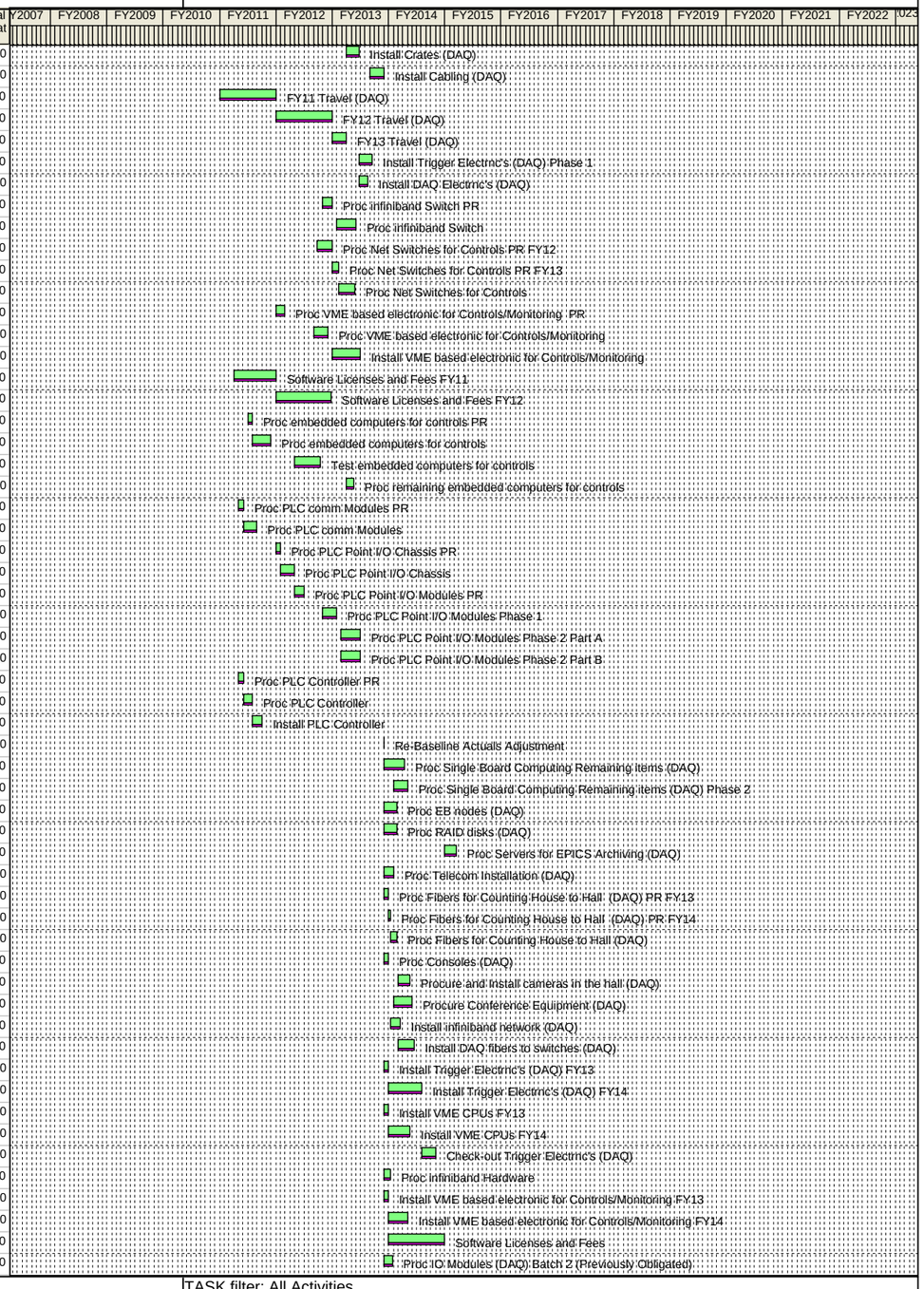
Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
1531095	Install Crates (DAQ)	03-Jan-13	22-Mar-13	11.00	$27,640	13.00	$0	$27,640	$0	4.00
1531100	Install Cabling (DAQ)	03-Jun-13	30-Aug-13	12.80	$35,400	14.00	$0	$35,400	$0	4.00
15311011E	FY11 Travel (DAQ)	01-Oct-10	30-Sep-11	49.60	$0	0.00	$0	$883	$883	37.80
15311012E	FY12 Travel (DAQ)	03-Oct-11	28-Sep-12	49.40	$0	0.00	$0	$1,548	$1,548	37.80
15311013E	FY13 Travel (DAQ)	01-Oct-12	31-Dec-12	11.80	$0	0.00	$0	$1,597	$1,597	37.80
1531105	Install Trigger Electrnc's (DAQ) Phase 1	25-Mar-13	14-Jun-13	11.80	$14,208	6.00	$0	$14,208	$0	14.80
1531110	Install DAQ Electrnc's (DAQ)	25-Mar-13	20-May-13	8.20	$47,360	20.00	$0	$47,360	$0	4.00
1531135	Proc infiniband Switch PR	01-Aug-12	28-Sep-12	8.40	$2,625	1.00	$0	$2,625	$0	29.80
1531140	Proc infiniband Switch	30-Oct-12	28-Feb-13	15.60	$0	0.00	$15,479	$15,479	$0	29.80
1531145	Proc Net Switches for Controls PR FY12	27-Jun-12	28-Sep-12	13.40	$1,892	0.67	$0	$1,892	$0	13.00
1531145a	Proc Net Switches for Controls PR FY13	01-Oct-12	14-Nov-12	6.60	$962	0.33	$0	$962	$0	13.00
1531150	Proc Net Switches for Controls	15-Nov-12	25-Feb-13	12.60	$0	0.00	$12,778	$12,778	$0	13.00
1531155	Proc VME based electronic for Controls/Monitoring PR	03-Oct-11	30-Nov-11	8.20	$5,649	2.00	$0	$5,649	$0	28.40
1531160	Proc VME based electronic for Controls/Monitoring	01-Jun-12	31-Aug-12	13.00	$0	0.00	$45,000	$45,000	$0	4.00
1531165	Install VME based electronic for Controls/Monitoring	02-Oct-12	01-Apr-13	24.00	$17,486	6.00	$0	$17,486	$0	4.00
1531170	Software Licenses and Fees FY11	04-Jan-11	30-Sep-11	37.80	$0	0.00	$8,000	$8,000	$0	50.20
1531175	Software Licenses and Fees FY12	03-Oct-11	25-Sep-12	48.80	$0	0.00	$4,128	$4,128	$0	50.20
1531180	Proc embedded computers for controls PR	01-Apr-11	02-May-11	4.40	$2,737	1.00	$0	$2,737	$0	48.20
1531185	Proc embedded computers for controls	03-May-11	29-Aug-11	16.60	$0	0.00	$1,000	$1,000	$0	48.20
1531190	Test embedded computers for controls	31-Jan-12	17-Jul-12	23.60	$2,824	1.00	$0	$2,824	$0	28.20
1531195	Proc remaining embedded computers for controls	03-Jan-13	19-Feb-13	6.40	$0	0.00	$5,160	$5,160	$0	9.80
1531200	Proc PLC comm Modules PR	01-Feb-11	03-Mar-11	4.40	$2,737	1.00	$0	$2,737	$0	60.60
1531205	Proc PLC comm Modules	04-Mar-11	01-Jun-11	12.60	$0	0.00	$4,000	$4,000	$0	60.60
1531210	Proc PLC Point I/O Chassis PR	03-Oct-11	31-Oct-11	4.20	$2,824	1.00	$0	$2,824	$0	21.00
1531215	Proc PLC Point I/O Chassis	01-Nov-11	30-Jan-12	11.20	$0	0.00	$3,096	$3,096	$0	21.00
1531220	Proc PLC Point I/O Modules PR	31-Jan-12	29-Mar-12	8.40	$2,824	1.00	$0	$2,824	$0	21.00
1531225	Proc PLC Point I/O Modules Phase 1	30-Jul-12	31-Oct-12	13.40	$0	0.00	$20,000	$20,000	$0	4.20
1531227	Proc PLC Point I/O Modules Phase 2 Part A	29-Nov-12	29-Mar-13	15.80	$0	0.00	$17,233	$17,233	$0	4.20
1531227a	Proc PLC Point I/O Modules Phase 2 Part B	29-Nov-12	29-Mar-13	15.80	$0	0.00	$16,820	$16,820	$0	4.20
1531230	Proc PLC Controller PR	01-Feb-11	03-Mar-11	4.40	$2,737	1.00	$0	$2,737	$0	46.20
1531235	Proc PLC Controller	04-Mar-11	02-May-11	8.40	$0	0.00	$6,000	$6,000	$0	46.20
1531240	Install PLC Controller	03-May-11	01-Jul-11	8.60	$2,737	1.00	$0	$2,737	$0	46.20
1531245	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($372,924)	($372,924)	$0	4.00
2531005f	Proc Single Board Computing Remaining items (DAQ)	03-Sep-13	10-Jan-14	16.80	$0	0.00	$60,911	$60,911	$0	24.40
2531005fa	Proc Single Board Computing Remaining items (DAQ) Phase 2	01-Nov-13	31-Jan-14	11.00	$0	0.00	$154,703	$154,703	$0	21.60
2531022	Proc EB nodes (DAQ)	03-Sep-13	27-Nov-13	12.40	$0	0.00	$45,500	$45,500	$0	33.00
2531027	Proc RAID disks (DAQ)	03-Sep-13	27-Nov-13	12.40	$0	0.00	$25,500	$25,500	$0	33.00
2531033	Proc Servers for EPICS Archiving (DAQ)	01-Oct-14	11-Dec-14	10.00	$0	0.00	$21,000	$21,000	$0	89.40
2531047	Proc Telecom Installation (DAQ)	03-Sep-13	31-Oct-13	8.60	$0	0.00	$3,150	$3,150	$0	6.20
2531065	Proc Fibers for Counting House to Hall (DAQ) PR FY13	03-Sep-13	30-Sep-13	4.00	$3,217	0.69	$0	$3,217	$0	3.40
2531065a	Proc Fibers for Counting House to Hall (DAQ) PR FY14	01-Oct-13	11-Oct-13	1.80	$1,447	0.31	$0	$1,447	$0	3.40
2531070	Proc Fibers for Counting House to Hall (DAQ)	14-Oct-13	21-Nov-13	5.80	$0	0.00	$34,639	$34,639	$0	3.40
2531077	Proc Consoles (DAQ)	03-Sep-13	30-Sep-13	4.00	$0	0.00	$400	$400	$0	10.80
2531088	Procure and Install cameras in the hall (DAQ)	02-Dec-13	19-Feb-14	9.80	$2,912	1.00	$20,000	$22,912	$0	31.20
2531089	Procure Conference Equipment (DAQ)	01-Nov-13	28-Feb-14	15.00	$0	0.00	$10,833	$10,833	$0	29.80
2531097	Install infiniband network (DAQ)	16-Oct-13	16-Dec-13	8.40	$18,656	4.00	$0	$18,656	$0	32.80
2531100	Install DAQ fibers to switches (DAQ)	02-Dec-13	18-Mar-14	13.60	$0	0.00	$19,087	$19,087	$0	21.40
2531105	Install Trigger Electrnc's (DAQ) FY13	03-Sep-13	30-Sep-13	4.00	$4,564	1.93	$0	$4,564	$0	3.80
2531105a	Install Trigger Electrnc's (DAQ) FY14	01-Oct-13	07-May-14	29.20	$33,319	14.07	$0	$33,319	$0	3.80
2531115	Install VME CPUs FY13	03-Sep-13	30-Sep-13	4.00	$4,239	1.45	$0	$4,239	$0	3.40
2531115a	Install VME CPUs FY14	01-Oct-13	18-Feb-14	18.00	$19,076	6.55	$0	$19,076	$0	3.40
2531125	Check-out Trigger Electrnc's (DAQ)	08-May-14	06-Aug-14	12.60	$32,054	11.00	$0	$32,054	$0	3.80
2531140	Proc infiniband Hardware	03-Sep-13	15-Oct-13	6.20	$0	0.00	$13,710	$13,710	$0	32.80
2531165	Install VME based electronic for Controls/Monitoring FY13	03-Sep-13	30-Sep-13	4.00	$2,404	0.82	$0	$2,404	$0	8.60
2531165a	Install VME based electronic for Controls/Monitoring FY14	01-Oct-13	30-Jan-14	15.40	$9,254	3.18	$0	$9,254	$0	8.60
2531178	Software Licenses and Fees	01-Oct-13	29-Sep-14	49.20	$0	0.00	$1,800	$1,800	$0	20.20
2531227aa	Proc IO Modules (DAQ) Batch 2 (Previously Obligated)	03-Sep-13	30-Oct-13	8.40	$0	0.00	$4,979	$4,979	$0	45.00



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Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
2531227aa5	Proc IO Modules (DAQ) Batch 2	03-Sep-13	30-Oct-13	8.40	$0	0.00	$6,116	$6,116	$0	45.00
2531310	Install DAQ Equipment in Hall (DAQ)	01-Nov-13	13-Mar-14	16.80	$11,658	4.00	$0	$11,658	$0	0.00
2531315	Install Computing Infrastructure (DAQ) FY13	03-Sep-13	30-Sep-13	4.00	$5,112	1.10	$0	$5,112	$0	100.00
2531315a	Install Computing Infrastructure (DAQ) FY14	01-Oct-13	16-Dec-13	10.60	$13,544	2.90	$0	$13,544	$0	100.00
2531330	Proc L3 Farm Infrastucture (DAQ)	01-Nov-13	16-Dec-13	6.00	$0	0.00	$34,101	$34,101	$0	30.80
2531335	Proc Accessories for Computing Cluster (DAQ) PR FY13	03-Sep-13	30-Sep-13	4.00	$1,881	0.65	$0	$1,881	$0	19.00
2531335a	Proc Accessories for Computing Cluster (DAQ) PR FY14	01-Oct-13	15-Oct-13	2.20	$1,034	0.35	$0	$1,034	$0	19.00
2531340	Proc Accessories for Computing Cluster (DAQ)	12-Nov-13	20-Mar-14	16.40	$0	0.00	$10,029	$10,029	$0	19.00
2531350	Proc Hardware for Microscope Voltage Control (DAQ)	03-Sep-13	20-Dec-13	15.40	$0	0.00	$3,000	$3,000	$0	25.60
2531360	Patch Panels and Cu Cables to CH (DAQ)	27-Nov-13	08-Apr-14	16.80	$1,834	1.00	$3,500	$5,334	$0	24.40
2531365	Sys Admin Support (DAQ)	06-Jan-14	30-Sep-14	37.60	$18,656	4.00	$0	$18,656	$0	100.00
2531370	Check-out Online Computers (DAQ)	21-Mar-14	15-May-14	8.00	$8,418	4.00	$0	$8,418	$0	19.00
2531375	Check-out Counting House (DAQ)	15-Oct-13	26-Nov-13	6.20	$5,829	2.00	$0	$5,829	$0	41.20
2531380	Check-out Cabling (DAQ)	19-Mar-14	29-Apr-14	6.00	$9,328	2.00	$0	$9,328	$0	21.40
2531385	Check-out DAQ Hardware (DAQ)	25-Apr-14	30-Sep-14	22.00	$8,743	3.00	$0	$8,743	$0	0.00
2531390	Installation Coordination	03-Sep-13	30-Sep-13	4.00	$1,822	0.63	$0	$1,822	$0	43.20
2531395	Procure Small UPSs for Tagger Hall and Hall D (DAQ)	01-Nov-13	04-Mar-14	15.40	$0	0.00	$20,979	$20,979	$0	29.40
2531400	Procure and Install Voltage Chassis Remote Reset	05-Dec-13	10-Mar-14	11.80	$1,822	1.00	$2,370	$4,192	$0	28.60
1.5.3.2 ONLINE COMPUTING		01-Apr-11	30-Sep-14	174.20	$1,621,525	728.78	($467,146)	$1,159,507	$5,128	100.00
1532005	Proc Trigger Testbed Electrnc's PR	03-Jan-12	30-Mar-12	12.40	$8,473	3.00	$0	$8,473	$0	44.60
1532007	Proc Trigger Testbed Electrnc's (coordinate with Hovanes) Part A	01-Oct-12	20-Feb-13	18.60	$0	0.00	$24,766	$24,766	$0	19.20
1532007a	Proc Trigger Testbed Electrnc's (coordinate with Hovanes) Part B	01-Oct-12	20-Feb-13	18.60	$0	0.00	$47,467	$47,467	$0	19.20
1532010	Proc L3 Farm infrastructure PR	03-Oct-11	30-Dec-11	11.60	$10,898	4.00	$0	$10,898	$0	69.40
1532010a	Proc L3 Farm infrastructure Phase 1	04-Mar-13	09-Jul-13	18.00	$0	0.00	$13,415	$13,415	$0	11.60
1532011E	FY11 Travel (ONLINE COMP)	01-Jul-11	30-Sep-11	12.80	$0	0.00	$0	$386	$386	4.00
1532012E	FY12 Travel (ONLINE COMP) FY12	03-Oct-11	28-Sep-12	49.40	$0	0.00	$0	$1,542	$1,542	4.00
1532012Ea	FY12 Travel (ONLINE COMP) FY13	01-Oct-12	01-Oct-12	0.20	$0	0.00	$0	$6	$6	4.00
1532013E	FY13 Travel (ONLINE COMP)	02-Oct-12	30-Aug-13	45.40	$0	0.00	$0	$1,468	$1,468	4.00
1532015	Install L3 Farm infrastructure	10-Jul-13	30-Aug-13	7.60	$10,896	3.95	$0	$10,896	$0	4.00
1532025	Plan Front-End Software FY11	01-Aug-11	30-Sep-11	8.80	$10,800	3.95	$0	$10,800	$0	41.40
1532025a	Plan Front-End Software FY12	03-Oct-11	27-Apr-12	28.00	$35,458	12.55	$0	$35,458	$0	41.40
1532030	Plan DAQ Software Event Unblocking FY11 (FY12 @ 1532030d)	01-Aug-11	30-Sep-11	8.80	$5,891	2.15	$0	$5,891	$0	47.00
1532030a	Plan DAQ Software Scripts FY11	01-Aug-11	30-Sep-11	8.80	$3,927	1.43	$0	$3,927	$0	29.00
1532030aa	Plan DAQ Software Scripts FY12	03-Oct-11	27-Apr-12	28.00	$12,894	4.57	$0	$12,894	$0	29.00
1532030b	Plan DAQ Software Run Control FY11	01-Aug-11	30-Sep-11	8.80	$3,273	1.20	$0	$3,273	$0	27.00
1532030ba	Plan DAQ Software Run Control FY12	03-Oct-11	27-Apr-12	28.00	$10,745	3.80	$0	$10,745	$0	27.00
1532030c	Plan DAQ Software Code Management FY11	01-Aug-11	30-Sep-11	8.80	$2,618	0.96	$0	$2,618	$0	46.80
1532030ca	Plan DAQ Software Code Management FY12	03-Oct-11	27-Apr-12	28.00	$8,596	3.04	$0	$8,596	$0	46.80
1532030d	Plan DAQ Software Event Unblocking FY12 (FY11 @ 1532030)	03-Oct-11	27-Apr-12	28.00	$19,341	6.85	$0	$19,341	$0	47.00
1532035	Plan Monitoring Framework FY11(FY12 @ 1532035h)	01-Jun-11	30-Sep-11	17.20	$5,672	2.07	$0	$5,672	$0	36.00
1532035a	Plan Monitoring Scalers FY11	01-Jun-11	30-Sep-11	17.20	$2,836	1.04	$0	$2,836	$0	75.80
1532035aa	Plan Monitoring Scalers FY12	03-Oct-11	31-May-12	32.60	$5,546	1.96	$0	$5,546	$0	75.80
1532035b	Plan Monitoring Histograms FY11	01-Jun-11	30-Sep-11	17.20	$3,781	1.38	$0	$3,781	$0	58.00
1532035ba	Plan Monitoring Histograms FY12	03-Oct-11	31-May-12	32.60	$7,396	2.62	$0	$7,396	$0	58.00
1532035c	Plan Monitoring Remote FY11	01-Jun-11	30-Sep-11	17.20	$2,836	1.04	$0	$2,836	$0	56.80
1532035ca	Plan Monitoring Remote FY12	03-Oct-11	31-May-12	32.60	$5,546	1.96	$0	$5,546	$0	56.80
1532035d	Plan Monitoring Hardware Status FY11	01-Jun-11	30-Sep-11	17.20	$3,781	1.38	$0	$3,781	$0	58.00
1532035da	Plan Monitoring Hardware Status FY12	03-Oct-11	31-May-12	32.60	$7,396	2.62	$0	$7,396	$0	58.00
1532035f	Plan Monitoring Process Status FY11	01-Jun-11	30-Sep-11	17.20	$2,836	1.04	$0	$2,836	$0	75.80
1532035fa	Plan Monitoring Process Status FY12	03-Oct-11	31-May-12	32.60	$5,546	1.96	$0	$5,546	$0	75.80
1532035g	Plan Monitoring Trigger FY11	01-Jun-11	30-Sep-11	17.20	$1,891	0.69	$0	$1,891	$0	36.60
1532035ga	Plan Monitoring Trigger FY12	03-Oct-11	31-May-12	32.60	$3,698	1.31	$0	$3,698	$0	36.60
1532035h	Plan Monitoring Framework FY12 (FY11 @ 1532035)	03-Oct-11	31-May-12	32.60	$11,094	3.93	$0	$11,094	$0	36.00
1532040	Plan Alarm Sys	03-Oct-11	27-Jun-12	36.20	$15,534	11.00	$0	$15,534	$0	33.00
1532045	Plan Archiving DAQ Configuration	03-Oct-11	25-May-12	32.00	$8,473	3.00	$0	$8,473	$0	41.80
1532045a	Plan Archiving Run Info	03-Oct-11	25-May-12	32.00	$14,122	5.00	$0	$14,122	$0	41.40
1532045b	Plan Archiving Controls	03-Oct-11	25-May-12	32.00	$14,122	5.00	$0	$14,122	$0	41.40

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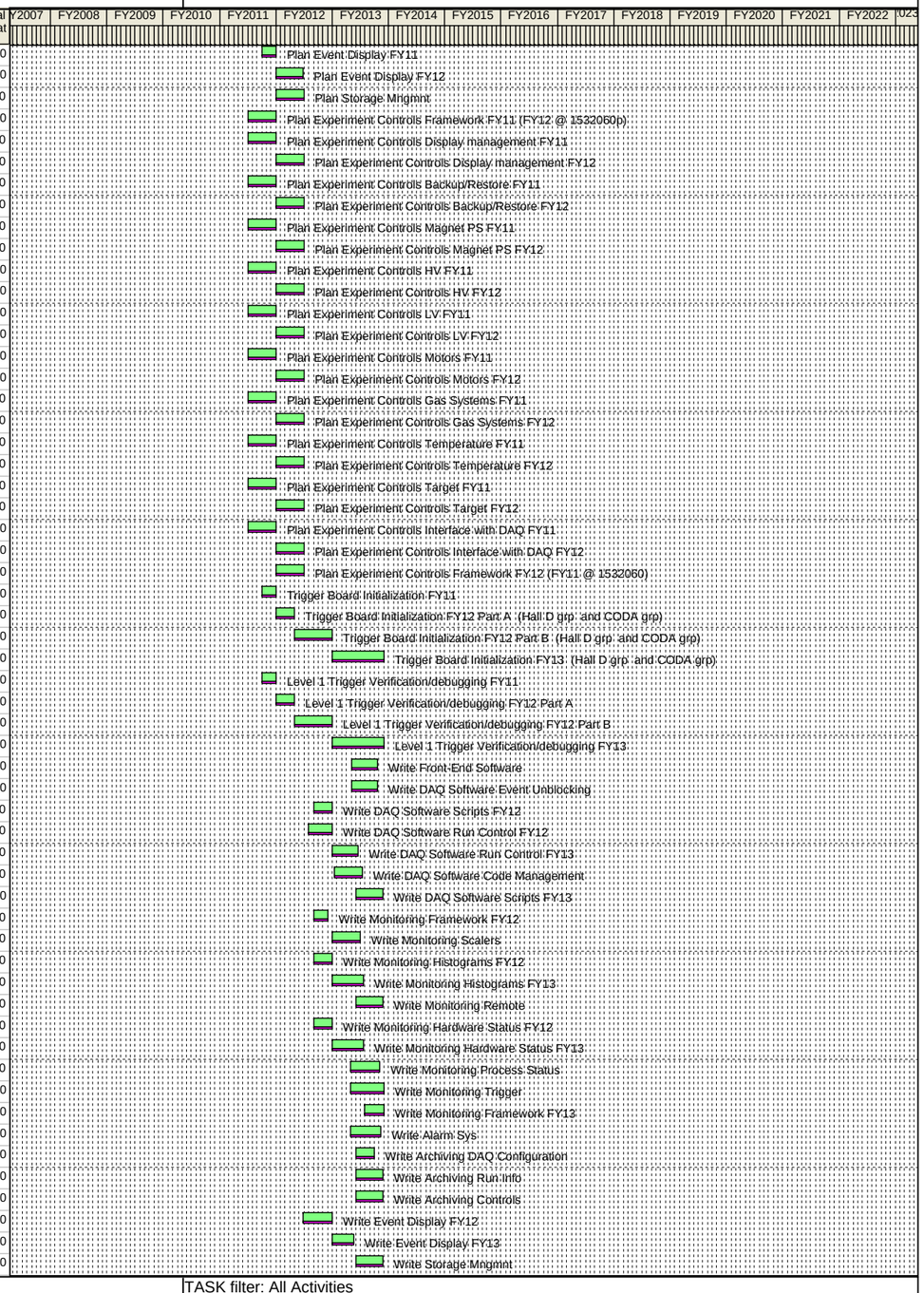
Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
1532050	Plan Event Display FY11	01-Jul-11	30-Sep-11	12.80	$1,936	4.60	$0	$1,936	$0	4.00
1532050a	Plan Event Display FY12	03-Oct-11	27-Mar-12	23.40	$3,651	8.40	$0	$3,651	$0	4.00
1532055	Plan Storage Mngmnt	03-Oct-11	30-Mar-12	24.00	$30,159	11.30	$0	$30,159	$0	49.40
1532060	Plan Experiment Controls Framework FY11 (FY12 @ 1532060p)	01-Apr-11	30-Sep-11	25.60	$5,651	2.06	$0	$5,651	$0	9.60
1532060a	Plan Experiment Controls Display management FY11	01-Apr-11	30-Sep-11	25.60	$4,239	1.55	$0	$4,239	$0	31.40
1532060aa	Plan Experiment Controls Display management FY12	03-Oct-11	30-Mar-12	24.00	$4,100	1.45	$0	$4,100	$0	31.40
1532060b	Plan Experiment Controls Backup/Restore FY11	01-Apr-11	30-Sep-11	25.60	$4,239	1.55	$0	$4,239	$0	49.40
1532060ba	Plan Experiment Controls Backup/Restore FY12	03-Oct-11	30-Mar-12	24.00	$4,100	1.45	$0	$4,100	$0	49.40
1532060c	Plan Experiment Controls Magnet PS FY11	01-Apr-11	30-Sep-11	25.60	$5,651	2.06	$0	$5,651	$0	49.40
1532060ca	Plan Experiment Controls Magnet PS FY12	03-Oct-11	30-Mar-12	24.00	$5,467	1.94	$0	$5,467	$0	49.40
1532060d	Plan Experiment Controls HV FY11	01-Apr-11	30-Sep-11	25.60	$4,239	1.55	$0	$4,239	$0	4.00
1532060da	Plan Experiment Controls HV FY12	03-Oct-11	30-Mar-12	24.00	$4,100	1.45	$0	$4,100	$0	4.00
1532060f	Plan Experiment Controls LV FY11	01-Apr-11	30-Sep-11	25.60	$5,651	2.06	$0	$5,651	$0	4.00
1532060fa	Plan Experiment Controls LV FY12	03-Oct-11	30-Mar-12	24.00	$5,467	1.94	$0	$5,467	$0	4.00
1532060g	Plan Experiment Controls Motors FY11	01-Apr-11	30-Sep-11	25.60	$5,651	2.06	$0	$5,651	$0	4.00
1532060ga	Plan Experiment Controls Motors FY12	03-Oct-11	30-Mar-12	24.00	$5,467	1.94	$0	$5,467	$0	4.00
1532060h	Plan Experiment Controls Gas Systems FY11	01-Apr-11	30-Sep-11	25.60	$5,651	2.06	$0	$5,651	$0	49.40
1532060ha	Plan Experiment Controls Gas Systems FY12	03-Oct-11	30-Mar-12	24.00	$5,467	1.94	$0	$5,467	$0	49.40
1532060j	Plan Experiment Controls Temperature FY11	01-Apr-11	30-Sep-11	25.60	$5,651	2.06	$0	$5,651	$0	49.40
1532060ja	Plan Experiment Controls Temperature FY12	03-Oct-11	30-Mar-12	24.00	$5,467	1.94	$0	$5,467	$0	49.40
1532060k	Plan Experiment Controls Target FY11	01-Apr-11	30-Sep-11	25.60	$7,064	2.58	$0	$7,064	$0	45.40
1532060ka	Plan Experiment Controls Target FY12	03-Oct-11	30-Mar-12	24.00	$6,833	2.42	$0	$6,833	$0	45.40
1532060n	Plan Experiment Controls Interface with DAQ FY11	01-Apr-11	30-Sep-11	25.60	$4,239	1.55	$0	$4,239	$0	4.00
1532060na	Plan Experiment Controls Interface with DAQ FY12	03-Oct-11	30-Mar-12	24.00	$4,100	1.45	$0	$4,100	$0	4.00
1532060p	Plan Experiment Controls Framework FY12 (FY11 @ 1532060)	03-Oct-11	30-Mar-12	24.00	$5,467	1.94	$0	$5,467	$0	9.60
1532065	Trigger Board Initialization FY11	01-Jul-11	30-Sep-11	12.80	$12,532	4.67	$0	$12,532	$0	4.00
1532065a	Trigger Board Initialization FY12 Part A (Hall D grp and CODA grp)	03-Oct-11	31-Jan-12	15.60	$15,760	5.69	$0	$15,760	$0	4.00
1532065b	Trigger Board Initialization FY12 Part B (Hall D grp and CODA grp)	01-Feb-12	28-Sep-12	33.80	$15,089	5.45	$0	$15,089	$0	4.00
1532065c	Trigger Board Initialization FY13 (Hall D grp and CODA grp)	01-Oct-12	30-Aug-13	45.60	$16,811	5.88	$0	$16,811	$0	4.00
1532067	Level 1 Trigger Verification/debugging FY11	01-Jul-11	30-Sep-11	12.80	$9,388	3.56	$0	$9,388	$0	4.00
1532067a	Level 1 Trigger Verification/debugging FY12 Part A	03-Oct-11	31-Jan-12	15.60	$11,807	4.33	$0	$11,807	$0	4.00
1532067b	Level 1 Trigger Verification/debugging FY12 Part B	01-Feb-12	28-Sep-12	33.80	$11,498	4.22	$0	$11,498	$0	4.00
1532067c	Level 1 Trigger Verification/debugging FY13	01-Oct-12	30-Aug-13	45.60	$15,998	5.69	$0	$15,998	$0	4.00
1532070	Write Front-End Software	01-Feb-13	23-Jul-13	24.00	$44,299	15.20	$0	$44,299	$0	4.00
1532075	Write DAQ Software Event Unblocking	01-Feb-13	23-Jul-13	24.00	$25,647	8.80	$0	$25,647	$0	9.60
1532075a	Write DAQ Software Scripts FY12	01-Jun-12	28-Sep-12	16.80	$11,298	4.00	$0	$11,298	$0	24.40
1532075b	Write DAQ Software Run Control FY12	30-Apr-12	28-Sep-12	21.40	$8,792	3.11	$0	$8,792	$0	27.00
1532075ba	Write DAQ Software Run Control FY13	01-Oct-12	20-Mar-13	22.60	$9,580	3.29	$0	$9,580	$0	27.00
1532075c	Write DAQ Software Code Management	15-Oct-12	15-Apr-13	24.20	$9,326	3.20	$0	$9,326	$0	23.40
1532077	Write DAQ Software Scripts FY13	04-Mar-13	28-Aug-13	25.20	$11,658	4.00	$0	$11,658	$0	4.40
1532080	Write Monitoring Framework FY12	01-Jun-12	30-Aug-12	12.80	$9,038	6.20	$0	$9,038	$0	36.00
1532080a	Write Monitoring Scalers	01-Oct-12	01-Apr-13	24.20	$13,989	4.80	$0	$13,989	$0	59.00
1532080b	Write Monitoring Histograms FY12	01-Jun-12	28-Sep-12	16.80	$5,176	4.89	$0	$5,176	$0	58.00
1532080ba	Write Monitoring Histograms FY13	01-Oct-12	22-Apr-13	27.20	$8,648	7.91	$0	$8,648	$0	58.00
1532080c	Write Monitoring Remote	04-Mar-13	28-Aug-13	25.20	$9,326	11.20	$0	$9,326	$0	20.00
1532080d	Write Monitoring Hardware Status FY12	01-Jun-12	28-Sep-12	16.80	$3,451	1.22	$0	$3,451	$0	58.00
1532080da	Write Monitoring Hardware Status FY13	01-Oct-12	22-Apr-13	27.20	$5,765	1.98	$0	$5,765	$0	58.00
1532080f	Write Monitoring Process Status	31-Jan-13	06-Aug-13	26.20	$13,989	4.80	$0	$13,989	$0	43.20
1532080g	Write Monitoring Trigger	31-Jan-13	30-Aug-13	29.80	$5,005	1.72	$0	$5,005	$0	4.00
1532082	Write Monitoring Framework FY13	29-Apr-13	30-Aug-13	17.60	$7,891	5.25	$0	$7,891	$0	4.00
1532085	Write Alarm Sys	31-Jan-13	13-Aug-13	27.20	$18,652	17.40	$0	$18,652	$0	4.00
1532090	Write Archiving DAQ Configuration	04-Mar-13	28-Jun-13	16.80	$13,000	4.80	$0	$13,000	$0	4.40
1532090a	Write Archiving Run Info	04-Mar-13	28-Aug-13	25.20	$17,334	6.40	$0	$17,334	$0	4.00
1532090b	Write Archiving Controls	04-Mar-13	28-Aug-13	25.20	$13,000	4.80	$0	$13,000	$0	4.00
1532095	Write Event Display FY12	28-Mar-12	28-Sep-12	26.00	$0	26.00	$0	$0	$0	4.00
1532095a	Write Event Display FY13	01-Oct-12	14-Feb-13	18.00	$0	18.00	$0	$0	$0	4.00
1532100	Write Storage Mngmnt	04-Mar-13	28-Aug-13	25.20	$23,999	8.80	$0	$23,999	$0	4.00



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Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
1532105	Write Experiment Control Framework FY12 (FY13 @ 1532105s)	02-Apr-12	28-Sep-12	25.40	$10,435	3.69	$0	$10,435	$0	9.60
1532105a	Write Experiment Control Display Management	15-Oct-12	15-Apr-13	24.20	$23,315	8.00	$0	$23,315	$0	4.00
1532105b	Write Experiment Control Display Backup/Restore	04-Mar-13	30-May-13	12.60	$6,995	2.40	$0	$6,995	$0	4.00
1532105c	Write Experiment Control Magnet PS	04-Mar-13	28-Aug-13	25.20	$23,315	8.00	$0	$23,315	$0	4.00
1532105d	Write Experiment Control HV FY12	01-Aug-12	28-Sep-12	8.40	$11,165	6.78	$0	$11,165	$0	4.00
1532105da	Write Experiment Control HV FY13	01-Oct-12	28-Jan-13	15.40	$21,121	12.42	$0	$21,121	$0	4.00
1532105f	Write Experiment Control LV FY12	01-Aug-12	28-Sep-12	8.40	$9,570	3.39	$0	$9,570	$0	4.00
1532105fa	Write Experiment Control LV FY13	01-Oct-12	28-Jan-13	15.40	$18,104	6.21	$0	$18,104	$0	4.00
1532105g	Write Experiment Control Motors FY12	02-Apr-12	28-Sep-12	25.40	$13,044	6.93	$0	$13,044	$0	4.00
1532105ga	Write Experiment Control Motors FY13	01-Oct-12	20-Feb-13	18.60	$9,856	5.07	$0	$9,856	$0	4.00
1532105h	Write Experiment Control Gas Systems	04-Mar-13	28-Aug-13	25.20	$23,315	12.00	$0	$23,315	$0	4.00
1532105j	Write Experiment Control Temerature	04-Mar-13	28-Aug-13	25.20	$18,652	6.40	$0	$18,652	$0	4.00
1532105k	Write Experiment Control Target	01-Feb-13	31-Jul-13	25.20	$23,315	8.00	$0	$23,315	$0	4.00
1532105n	Write Experiment Control Interface with DAQ FY12	02-Apr-12	28-Sep-12	25.40	$5,217	1.85	$0	$5,217	$0	4.00
1532105na	Write Experiment Control Interface with DAQ FY13	01-Oct-12	20-Feb-13	18.60	$3,942	1.35	$0	$3,942	$0	4.00
1532105s	Write Experiment Control Framework FY13 (FY12 @ 1532105)	01-Oct-12	20-Feb-13	18.60	$7,885	2.71	$0	$7,885	$0	9.60
1532210	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($554,367)	($554,367)	$0	4.00
2532000	Purchased Labor (Sergey)	03-Sep-13	30-Sep-13	4.00	$0	0.00	$1,573	$1,573	$0	49.40
2532005	Install OS system along with network 9settings FY13	03-Sep-13	30-Sep-13	4.00	$1,333	0.29	$0	$1,333	$0	16.25
2532005a	Install OS system along with network 9settings FY14	01-Oct-13	29-Oct-13	4.15	$1,466	0.31	$0	$1,466	$0	16.25
2532013E	FY13 Travel (ONLINE COMP)	03-Sep-13	30-Sep-13	4.00	$0	0.00	$0	$129	$129	100.20
2532014E	FY14 Travel (ONLINE COMP)	01-Oct-13	29-Sep-14	49.20	$0	0.00	$0	$1,597	$1,597	100.20
2532015	Database web-server wiki installations	02-Dec-13	27-Jan-14	6.40	$9,328	2.00	$0	$9,328	$0	12.00
2532020	Coordination of online computing setup	03-Sep-13	30-Sep-13	4.00	$874	0.30	$0	$874	$0	25.80
2532030	Install CODA and supporting software	02-Dec-13	28-Feb-14	11.20	$5,829	2.00	$0	$5,829	$0	0.20
2532035	Create scripts to launch and kill: CODA system, monitoring system FY13	03-Sep-13	30-Sep-13	4.00	$2,620	0.90	$0	$2,620	$0	13.00
2532035a	Create scripts to launch and kill: CODA system, monitoring system FY14	01-Oct-13	17-Jan-14	13.80	$9,038	3.10	$0	$9,038	$0	13.00
2532040	Run bookkeeping scripts (database;data files and special events) FY13	03-Sep-13	30-Sep-13	4.00	$2,754	0.95	$0	$2,754	$0	5.40
2532040a	Run bookkeeping scripts (database;data files and special events) FY14	01-Oct-13	13-Mar-14	21.40	$14,732	5.06	$0	$14,732	$0	5.40
2532050	Readout Lists FY13	03-Sep-13	30-Sep-13	4.00	$2,271	0.78	$0	$2,271	$0	0.00
2532050a	Readout Lists FY14	01-Oct-13	21-Apr-14	26.80	$15,215	5.22	$0	$15,215	$0	0.00
2532055	Write COOL Config Files	01-Nov-13	06-Mar-14	15.80	$11,658	4.00	$0	$11,658	$0	6.40
2532060	Debug DAQ software	22-Apr-14	30-Sep-14	22.60	$23,315	8.00	$0	$23,315	$0	0.00
2532070	Implement Translation Tables FY13	03-Sep-13	30-Sep-13	4.00	$668	0.23	$0	$668	$0	13.00
2532070a	Implement Translation Tables FY14	01-Oct-13	17-Jan-14	13.80	$2,305	0.79	$0	$2,305	$0	13.00
2532075	Farm Process Manager	02-Dec-13	29-Sep-14	40.80	$20,401	7.00	$0	$20,401	$0	0.20
2532080	ROOTSpy enabled Monitoring Processes FY13	03-Sep-13	30-Sep-13	4.00	$3,730	1.28	$0	$3,730	$0	7.80
2532080a	ROOTSpy enabled Monitoring Processes FY14	01-Oct-13	04-Feb-14	16.00	$14,922	5.12	$0	$14,922	$0	7.80
2532085	Archiving and Retrieval of Histogram Files	04-Mar-14	16-Sep-14	27.60	$14,572	5.00	$0	$14,572	$0	2.00
2532090	Event Display	05-Mar-14	25-Aug-14	24.40	$5,829	24.00	$0	$5,829	$0	5.00
2532100	Transport from RAID to Tape Silo	01-Nov-13	17-Mar-14	17.20	$18,656	4.00	$0	$18,656	$0	0.40
2532110	Archiving Run Conditions	15-Jan-14	30-Sep-14	36.20	$23,628	19.00	$0	$23,628	$0	0.00
2532115	Archiving DAQ Configuration	02-Dec-13	06-Jun-14	25.00	$11,658	4.00	$0	$11,658	$0	16.00
2532130	FDC/CDC Gas Systems Controls	12-Nov-13	24-Jan-14	8.60	$8,683	3.00	$0	$8,683	$0	9.40
2532135	BCAL Gas System Controls	02-Jan-14	19-Feb-14	6.80	$5,789	2.00	$0	$5,789	$0	5.80
2532140	Controls for Chillers (FDC;BCAL;Target)	16-Dec-13	01-Apr-14	13.60	$11,578	4.00	$0	$11,578	$0	0.00
2532145	Temperature/Humidity monitoring	02-Dec-13	18-Feb-14	9.60	$11,578	4.00	$0	$11,578	$0	6.00
2532150	FCAL Dark Room Controls	10-Feb-14	08-Apr-14	8.40	$11,578	4.00	$0	$11,578	$0	13.00
2532155	Cryo Target Controls	09-Jan-14	20-Mar-14	10.00	$14,472	5.00	$0	$14,472	$0	1.60
2532170a	HV Controls (FDC; CDC; TOF; FCAL; HODO) Phase 2 FY13	03-Sep-13	30-Sep-13	4.00	$3,618	1.52	$0	$3,618	$0	32.40
2532170aa	HV Controls (FDC; CDC; TOF; FCAL; HODO) Phase 2 FY14	01-Oct-13	11-Feb-14	17.00	$15,377	6.48	$0	$15,377	$0	32.40
2532175	LV Controls (BCAl; ST; FDC) FY13	03-Sep-13	30-Sep-13	4.00	$744	0.32	$0	$744	$0	0.00
2532175a	LV Controls (BCAl; ST; FDC) Phase 2	02-Apr-14	30-Sep-14	25.40	$20,830	9.00	$0	$20,830	$0	0.00
2532175b	LV Controls (BCAl; ST; FDC) FY14	01-Oct-13	01-Apr-14	24.00	$4,463	1.93	$0	$4,463	$0	0.00
2532180	BIAS Control for Microscope	02-Jan-14	31-Mar-14	12.40	$11,658	4.00	$0	$11,658	$0	25.60
2532185	Tagger magnet and NMR control SWT (accel Grp)	05-Nov-13	29-Jan-14	10.20	$10,834	4.00	$0	$10,834	$0	8.80
2532190	Sweeping and pair spectrometer magnet control SWT (accel Grp)	12-Nov-13	10-Feb-14	10.80	$5,417	2.00	$0	$5,417	$0	7.20

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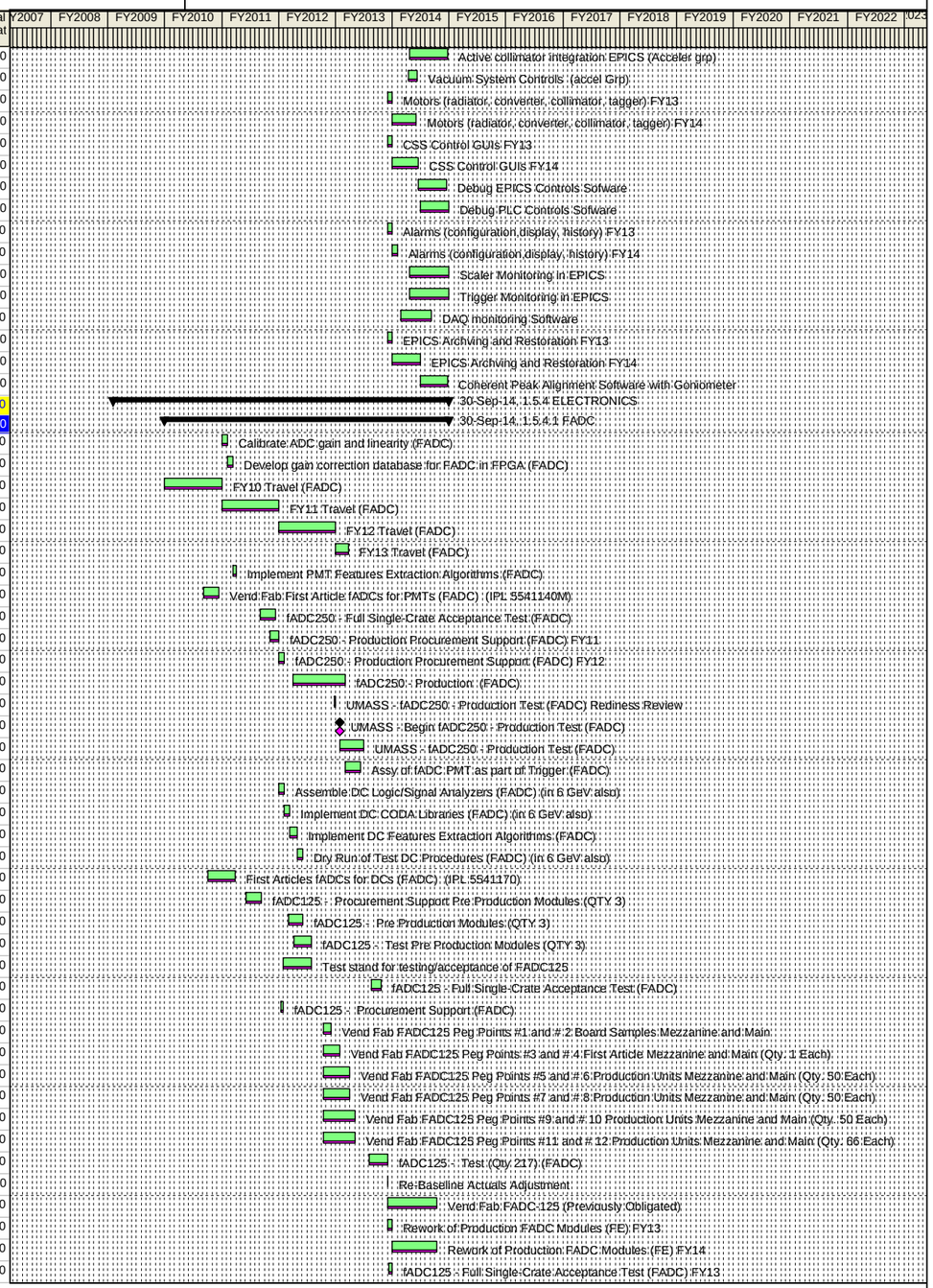
Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
2532195	Active collimator integration EPICS (Acceler grp)	17-Jan-14	22-Sep-14	34.60	$29,792	11.00	$0	$29,792	$0	1.20
2532200	Vacuum System Controls (accel Grp)	14-Jan-14	06-Mar-14	7.40	$10,834	4.00	$0	$10,834	$0	3.60
2532205	Motors (radiator, converter, collimator, tagger) FY13	03-Sep-13	30-Sep-13	4.00	$4,389	2.00	$0	$4,389	$0	4.00
2532205a	Motors (radiator, converter, collimator, tagger) FY14	01-Oct-13	04-Mar-14	20.00	$21,944	10.00	$0	$21,944	$0	4.00
2532215	CSS Control GUIs FY13	03-Sep-13	30-Sep-13	4.00	$3,514	1.55	$0	$3,514	$0	2.20
2532215a	CSS Control GUIs FY14	01-Oct-13	17-Mar-14	21.80	$19,150	8.45	$0	$19,150	$0	2.20
2532220	Debug EPICS Controls Sofware	18-Mar-14	15-Sep-14	25.40	$18,562	10.00	$0	$18,562	$0	2.20
2532225	Debug PLC Controls Sofware	02-Apr-14	30-Sep-14	25.40	$17,386	6.00	$0	$17,386	$0	0.00
2532230	Alarms (configuration,display, history) FY13	03-Sep-13	30-Sep-13	4.00	$9,437	7.11	$0	$9,437	$0	16.60
2532230a	Alarms (configuration,display, history) FY14	01-Oct-13	04-Nov-13	5.00	$11,797	8.89	$0	$11,797	$0	16.60
2532235	Scaler Monitoring in EPICS	17-Jan-14	30-Sep-14	35.80	$23,315	8.00	$0	$23,315	$0	0.00
2532240	Trigger Monitoring in EPICS	17-Jan-14	30-Sep-14	35.80	$11,658	4.00	$0	$11,658	$0	0.00
2532245	DAQ monitoring Software	27-Nov-13	06-Jun-14	25.00	$11,658	4.00	$0	$11,658	$0	16.10
2532250	EPICS Archving and Restoration FY13	03-Sep-13	30-Sep-13	4.00	$2,516	0.86	$0	$2,516	$0	0.00
2532250a	EPICS Archving and Restoration FY14	01-Oct-13	31-Mar-14	23.80	$14,971	5.14	$0	$14,971	$0	0.00
2532255	Coherent Peak Alignment Software with Goniometer	01-Apr-14	22-Sep-14	24.40	$14,572	5.00	$0	$14,572	$0	1.20
1.5.4 ELECTRONICS		03-Nov-08	30-Sep-14	292.80	$2,315,548	1024.37	$5,982,076	$8,314,836	$17,212	50.40
1.5.4.1 FADC		01-Oct-09	30-Sep-14	247.80	$515,268	213.49	$2,392,062	$2,909,268	$1,938	0.00
1541005	Calibrate ADC gain and linearity (FADC)	01-Oct-10	04-Nov-10	5.00	$67,747	33.00	$0	$67,747	$0	50.60
1541010	Develop gain correction database for FADC in FPGA (FADC)	05-Nov-10	13-Dec-10	5.00	$32,846	12.00	$0	$32,846	$0	50.60
1541010E	FY10 Travel (FADC)	01-Oct-09	30-Sep-10	49.60	$0	0.00	$0	$575	$575	87.60
1541011E	FY11 Travel (FADC)	01-Oct-10	30-Sep-11	49.60	$0	0.00	$0	$593	$593	87.60
1541012E	FY12 Travel (FADC)	03-Oct-11	28-Sep-12	49.40	$0	0.00	$0	$612	$612	87.60
1541013E	FY13 Travel (FADC)	01-Oct-12	21-Dec-12	11.60	$0	0.00	$0	$158	$158	87.60
1541015	Implement PMT Features Extraction Algorithms (FADC)	14-Dec-10	31-Dec-10	1.80	$17,526	7.20	$0	$17,526	$0	50.60
1541029	Vend Fab First Article fADCs for PMTs (FADC) (IPL 5541140M)	07-Jun-10	10-Sep-10	13.60	$0	0.00	$140,000	$140,000	$0	65.20
1541030	fADC250 - Full Single-Crate Acceptance Test (FADC)	06-Jun-11	09-Sep-11	13.60	$17,784	8.00	$0	$17,784	$0	29.40
1541040	fADC250 - Production Procurement Support (FADC) FY11	10-Aug-11	30-Sep-11	7.40	$6,529	2.39	$0	$6,529	$0	29.40
1541040a	fADC250 - Production Procurement Support (FADC) FY12	03-Oct-11	04-Nov-11	5.00	$4,553	1.61	$0	$4,553	$0	29.40
1541045	fADC250 - Production (FADC)	04-Jan-12	30-Nov-12	46.20	$0	0.00	$1,446,247	$1,446,247	$0	22.60
1541057	UMASS - fADC250 - Production Test (FADC) Rediness Review	24-Sep-12	28-Sep-12	1.00	$1,129	0.40	$0	$1,129	$0	22.60
1541058M	UMASS - Begin fADC250 - Production Test (FADC)	31-Oct-12		0.00	$0	0.00	$0	$0	$0	22.60
1541059	UMASS - fADC250 - Production Test (FADC)	31-Oct-12	29-Mar-13	19.60	$0	0.00	$43,350	$43,350	$0	22.60
1541060	Assy of fADC PMT as part of Trigger (FADC)	03-Dec-12	13-Mar-13	13.00	$12,509	6.00	$0	$12,509	$0	28.00
1541065	Assemble DC Logic/Signal Analyzers (FADC) (in 6 GeV also)	03-Oct-11	04-Nov-11	5.00	$0	0.00	$0	$0	$0	79.00
1541070	Implement DC CODA Libraries (FADC) (in 6 GeV also)	07-Nov-11	13-Dec-11	5.00	$0	0.00	$0	$0	$0	79.00
1541075	Implement DC Features Extraction Algorithms (FADC)	14-Dec-11	26-Jan-12	5.00	$90,422	36.00	$0	$90,422	$0	79.00
1541080	Dry Run of Test DC Procedures (FADC) (in 6 GeV also)	27-Jan-12	02-Mar-12	5.00	$0	0.00	$0	$0	$0	79.00
1541084	First Articles fADCs for DCs (FADC) (IPL 5541170)	02-Jul-10	29-Dec-10	24.00	$0	0.00	$80,000	$80,000	$0	93.40
1541085	fADC125 - Procurement Support Pre Production Modules (QTY 3)	07-Mar-11	10-Jun-11	13.80	$6,843	4.00	$0	$6,843	$0	84.60
1541085b	fADC125 - Pre Production Modules (QTY 3)	05-Dec-11	02-Mar-12	11.40	$0	0.00	$12,750	$12,750	$0	60.40
1541100	fADC125 - Test Pre Production Modules (QTY 3)	11-Jan-12	27-Apr-12	15.20	$14,471	7.00	$0	$14,471	$0	60.40
1541112	Test stand for testing/acceptance of FADC125	01-Nov-11	27-Apr-12	23.80	$28,234	10.00	$0	$28,234	$0	60.40
1541120	fADC125 - Full Single-Crate Acceptance Test (FADC)	21-May-13	18-Jul-13	8.20	$18,936	8.00	$0	$18,936	$0	10.20
1541125	fADC125 - Procurement Support (FADC)	18-Oct-11	31-Oct-11	2.00	$3,530	2.00	$0	$3,530	$0	68.60
1541130	Vend Fab FADC125 Peg Points #1 and # 2 Board Samples Mezzanine and Main	13-Jul-12	31-Aug-12	7.20	$0	0.00	$0	$0	$0	34.40
1541132	Vend Fab FADC125 Peg Points #3 and # 4 First Article Mezzanine and Main (Qty. 1 Each)	13-Jul-12	31-Oct-12	15.60	$0	0.00	$13,764	$13,764	$0	34.40
1541134	Vend Fab FADC125 Peg Points #5 and # 6 Production Units Mezzanine and Main (Qty. ...	13-Jul-12	31-Dec-12	22.80	$0	0.00	$155,747	$155,747	$0	35.60
1541136	Vend Fab FADC125 Peg Points #7 and # 8 Production Units Mezzanine and Main (Qty. ...	13-Jul-12	31-Dec-12	22.80	$0	0.00	$155,747	$155,747	$0	35.60
1541138	Vend Fab FADC125 Peg Points #9 and # 10 Production Units Mezzanine and Main (Qty....	13-Jul-12	31-Jan-13	27.00	$0	0.00	$155,747	$155,747	$0	35.60
1541143	Vend Fab FADC125 Peg Points #11 and # 12 Production Units Mezzanine and Main (Qt...	13-Jul-12	31-Jan-13	27.00	$0	0.00	$205,585	$205,585	$0	35.60
1541145	fADC125 - Test (Qty 217) (FADC)	03-May-13	30-Aug-13	16.80	$24,318	12.94	$0	$24,318	$0	10.20
1541150	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($60,191)	($60,191)	$0	4.00
2541000	Vend Fab FADC-125 (Previously Obligated)	03-Sep-13	10-Jul-14	42.00	$0	0.00	$43,318	$43,318	$0	11.40
2541015	Rework of Production FADC Modules (FE) FY13	03-Sep-13	30-Sep-13	4.00	$2,913	1.33	$0	$2,913	$0	11.40
2541015a	Rework of Production FADC Modules (FE) FY14	01-Oct-13	10-Jul-14	38.00	$27,679	12.67	$0	$27,679	$0	11.40
2541120	fADC125 - Full Single-Crate Acceptance Test (FADC) FY13	09-Sep-13	30-Sep-13	3.20	$4,151	1.75	$0	$4,151	$0	22.20



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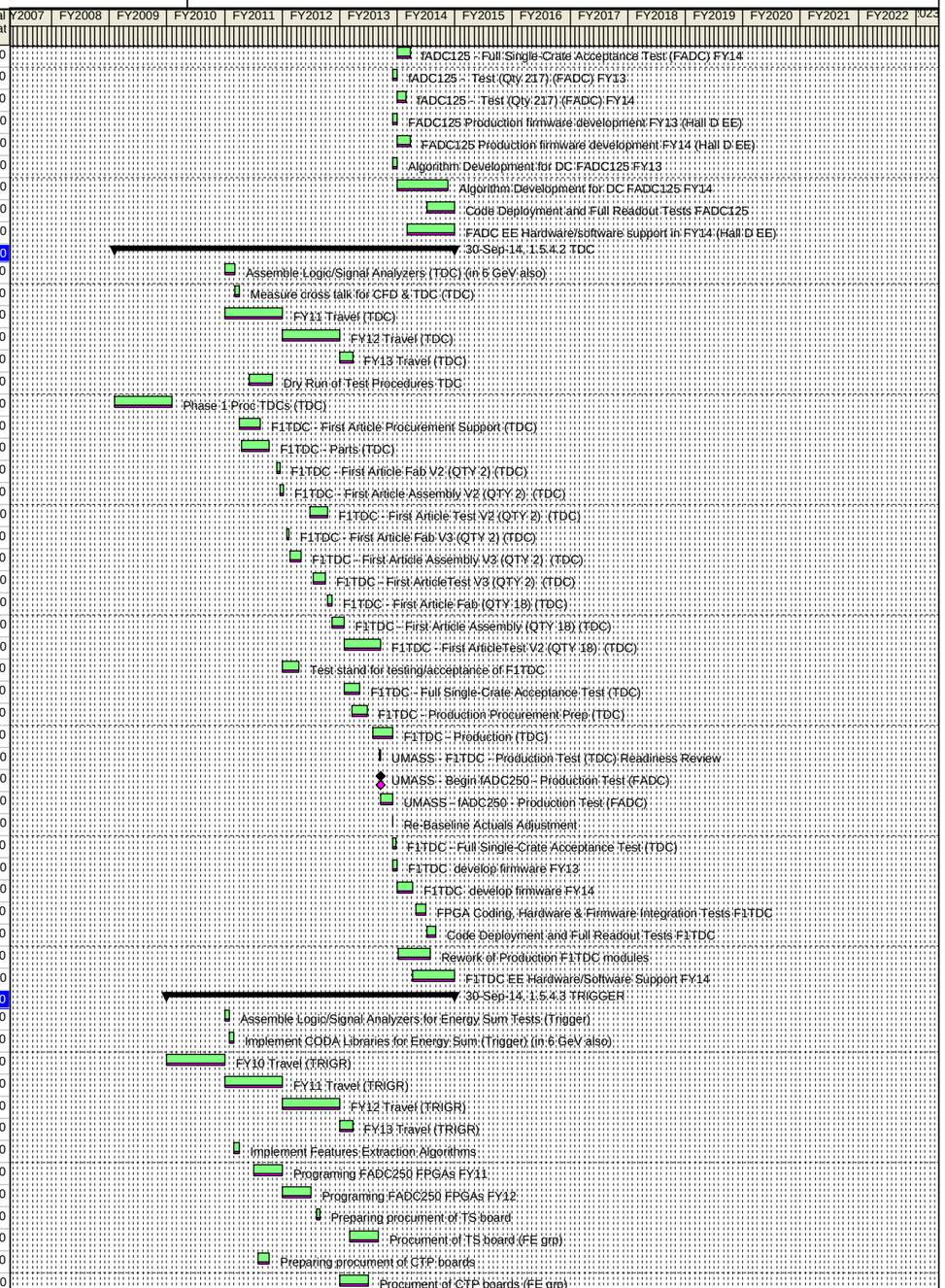
Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
2541120a	fADC125 - Full Single-Crate Acceptance Test (FADC) FY14	01-Oct-13	20-Dec-13	11.40	$14,785	6.25	$0	$14,785	$0	22.20
2541145	fADC125 - Test (Qty 217) (FADC) FY13	03-Sep-13	30-Sep-13	4.00	$594	0.31	$0	$594	$0	22.20
2541145a	fADC125 - Test (Qty 217) (FADC) FY14	01-Oct-13	27-Nov-13	8.40	$1,246	0.64	$0	$1,246	$0	22.20
2541150	FADC125 Production firmware development FY13 (Hall D EE)	03-Sep-13	30-Sep-13	4.00	$5,312	1.82	$0	$5,312	$0	0.20
2541150a	FADC125 Production firmware development FY14 (Hall D EE)	01-Oct-13	20-Dec-13	11.40	$15,075	5.18	$0	$15,075	$0	0.20
2541152	Algorithm Development for DC FADC125 FY13	03-Sep-13	30-Sep-13	4.00	$1,707	0.59	$0	$1,707	$0	0.00
2541152a	Algorithm Development for DC FADC125 FY14	01-Oct-13	20-Aug-14	43.80	$18,694	6.41	$0	$18,694	$0	0.00
2541154	Code Deployment and Full Readout Tests FADC125	07-Apr-14	30-Sep-14	24.80	$17,486	6.00	$0	$17,486	$0	0.00
2541155	FADC EE Hardware/software support in FY14 (Hall D EE)	02-Dec-13	30-Sep-14	41.00	$58,248	20.00	$0	$58,248	$0	0.00
1.5.4.2 TDC		03-Nov-08	30-Sep-14	292.80	$276,328	115.32	$737,147	$1,015,444	$1,969	0.00
1542005	Assemble Logic/Signal Analyzers (TDC) (in 6 GeV also)	01-Oct-10	03-Dec-10	8.70	$0	0.00	$0	$0	$0	17.00
1542010	Measure cross talk for CFD & TDC (TDC)	03-Dec-10	31-Dec-10	3.10	$25,115	12.12	$0	$25,115	$0	17.00
1542011E	FY11 Travel (TDC)	01-Oct-10	30-Sep-11	49.60	$0	0.00	$0	$857	$857	38.00
1542012E	FY12 Travel (TDC)	03-Oct-11	28-Sep-12	49.40	$0	0.00	$0	$885	$885	38.00
1542013E	FY13 Travel (TDC)	01-Oct-12	21-Dec-12	11.60	$0	0.00	$0	$227	$227	38.00
1542015	Dry Run of Test Procedures TDC	10-Mar-11	29-Jul-11	20.00	$27,352	10.00	$0	$27,352	$0	61.00
1542025	Phase 1 Proc TDCs (TDC)	03-Nov-08	30-Oct-09	49.40	$0	0.00	$199,282	$199,282	$0	74.00
1542025a	F1TDC - First Article Procurement Support (TDC)	04-Jan-11	13-May-11	18.40	$21,206	10.00	$0	$21,206	$0	17.00
1542026	F1TDC - Parts (TDC)	18-Jan-11	08-Jul-11	24.20	$0	0.00	$40,000	$40,000	$0	17.00
1542027	F1TDC - First Article Fab V2 (QTY 2) (TDC)	29-Aug-11	16-Sep-11	2.80	$0	0.00	$2,000	$2,000	$0	17.00
1542030	F1TDC - First Article Assembly V2 (QTY 2) (TDC)	19-Sep-11	07-Oct-11	3.00	$0	0.00	$2,500	$2,500	$0	17.00
1542030a	F1TDC - First Article Test V2 (QTY 2) (TDC)	26-Mar-12	13-Jul-12	15.60	$12,775	5.80	$0	$12,775	$0	4.20
1542031	F1TDC - First Article Fab V3 (QTY 2) (TDC)	31-Oct-11	11-Nov-11	2.00	$0	0.00	$2,064	$2,064	$0	17.00
1542031a	F1TDC - First Article Assembly V3 (QTY 2) (TDC)	21-Nov-11	27-Jan-12	8.20	$0	0.00	$2,580	$2,580	$0	17.00
1542031b	F1TDC - First ArticleTest V3 (QTY 2) (TDC)	16-Apr-12	29-Jun-12	10.60	$12,775	5.80	$0	$12,775	$0	6.20
1542032	F1TDC - First Article Fab (QTY 18) (TDC)	16-Jul-12	10-Aug-12	4.00	$0	0.00	$8,668	$8,668	$0	4.20
1542035	F1TDC - First Article Assembly (QTY 18) (TDC)	13-Aug-12	31-Oct-12	11.40	$0	0.00	$11,970	$11,970	$0	4.20
1542035a	F1TDC - First ArticleTest V2 (QTY 18) (TDC)	01-Nov-12	13-Jun-13	30.00	$16,464	8.20	$0	$16,464	$0	4.20
1542036	Test stand for testing/acceptance of F1TDC	03-Oct-11	13-Jan-12	13.40	$28,234	10.00	$0	$28,234	$0	52.20
1542037	F1TDC - Full Single-Crate Acceptance Test (TDC)	01-Nov-12	01-Feb-13	11.60	$18,936	8.00	$0	$18,936	$0	11.60
1542040	F1TDC - Production Procurement Prep (TDC)	17-Dec-12	22-Mar-13	12.40	$7,286	4.00	$0	$7,286	$0	11.60
1542042	F1TDC - Production (TDC)	02-May-13	30-Aug-13	17.00	$0	0.00	$0	$0	$0	11.60
1542045	UMASS - F1TDC - Production Test (TDC) Readiness Review	07-Jun-13	13-Jun-13	1.00	$1,165	0.40	$0	$1,165	$0	4.20
1542050M	UMASS - Begin fADC250 - Production Test (FADC)	14-Jun-13		0.00	$0	0.00	$0	$0	$0	4.20
1542055	UMASS - fADC250 - Production Test (FADC)	14-Jun-13	29-Aug-13	10.80	$0	0.00	$0	$0	$0	4.20
1542060	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$468,084	$468,084	$0	4.00
2542037	F1TDC - Full Single-Crate Acceptance Test (TDC)	03-Sep-13	20-Sep-13	2.80	$15,149	6.40	$0	$15,149	$0	50.60
2542070	F1TDC develop firmware FY13	03-Sep-13	30-Sep-13	4.00	$4,027	1.38	$0	$4,027	$0	0.00
2542070a	F1TDC develop firmware FY14	01-Oct-13	07-Jan-14	12.20	$12,282	4.22	$0	$12,282	$0	0.00
2542075	FPGA Coding, Hardware & Firmware Integration Tests F1TDC	29-Jan-14	31-Mar-14	8.80	$17,474	6.00	$0	$17,474	$0	16.80
2542080	Code Deployment and Full Readout Tests F1TDC	08-Apr-14	02-Jun-14	7.80	$11,658	4.00	$0	$11,658	$0	16.80
2542085	Rework of Production F1TDC modules	10-Oct-13	30-Apr-14	26.80	$18,216	10.00	$0	$18,216	$0	21.20
2542090	F1TDC EE Hardware/Software Support FY14	08-Jan-14	30-Sep-14	37.20	$26,212	9.00	$0	$26,212	$0	0.00
1.5.4.3 TRIGGER		01-Oct-09	30-Sep-14	247.80	$563,105	220.20	$887,009	$1,453,989	$3,875	50.40
1543005	Assemble Logic/Signal Analyzers for Energy Sum Tests (Trigger)	01-Oct-10	28-Oct-10	4.00	$0	11.00	$0	$0	$0	121.20
1543010	Implement CODA Libraries for Energy Sum (Trigger) (in 6 GeV also)	29-Oct-10	29-Nov-10	4.00	$0	0.00	$0	$0	$0	121.20
1543010E	FY10 Travel (TRIGR)	01-Oct-09	30-Sep-10	49.60	$0	0.00	$0	$1,149	$1,149	87.60
1543011E	FY11 Travel (TRIGR)	01-Oct-10	30-Sep-11	49.60	$0	0.00	$0	$1,186	$1,186	87.60
1543012E	FY12 Travel (TRIGR)	03-Oct-11	28-Sep-12	49.40	$0	0.00	$0	$1,224	$1,224	87.60
1543013E	FY13 Travel (TRIGR)	01-Oct-12	21-Dec-12	11.60	$0	0.00	$0	$316	$316	87.60
1543015	Implement Features Extraction Algorithms	30-Nov-10	04-Jan-11	4.00	$0	11.00	$0	$0	$0	121.20
1543016	Programing FADC250 FPGAs FY11	01-Apr-11	30-Sep-11	25.60	$22,587	8.26	$0	$22,587	$0	47.00
1543016a	Programing FADC250 FPGAs FY12	03-Oct-11	30-Mar-12	24.00	$21,851	7.74	$0	$21,851	$0	47.00
1543017	Preparing procument of TS board	07-May-12	30-May-12	3.40	$11,290	4.00	$0	$11,290	$0	51.20
1543020	Procument of TS board (FE grp)	03-Dec-12	31-May-13	24.20	$0	0.00	$10,648	$10,648	$0	25.60
1543023	Preparing procument of CTP boards	03-May-11	11-Jul-11	9.60	$10,941	4.00	$0	$10,941	$0	45.60
1543025	Procument of CTP boards (FE grp)	03-Oct-12	29-Mar-13	23.60	$0	0.00	$133,102	$133,102	$0	4.00



Primary Baseline | Remaining Work | Baseline Milestone
Actual Work | Critical Remaining Work | Milestone

TASK filter: All Activities

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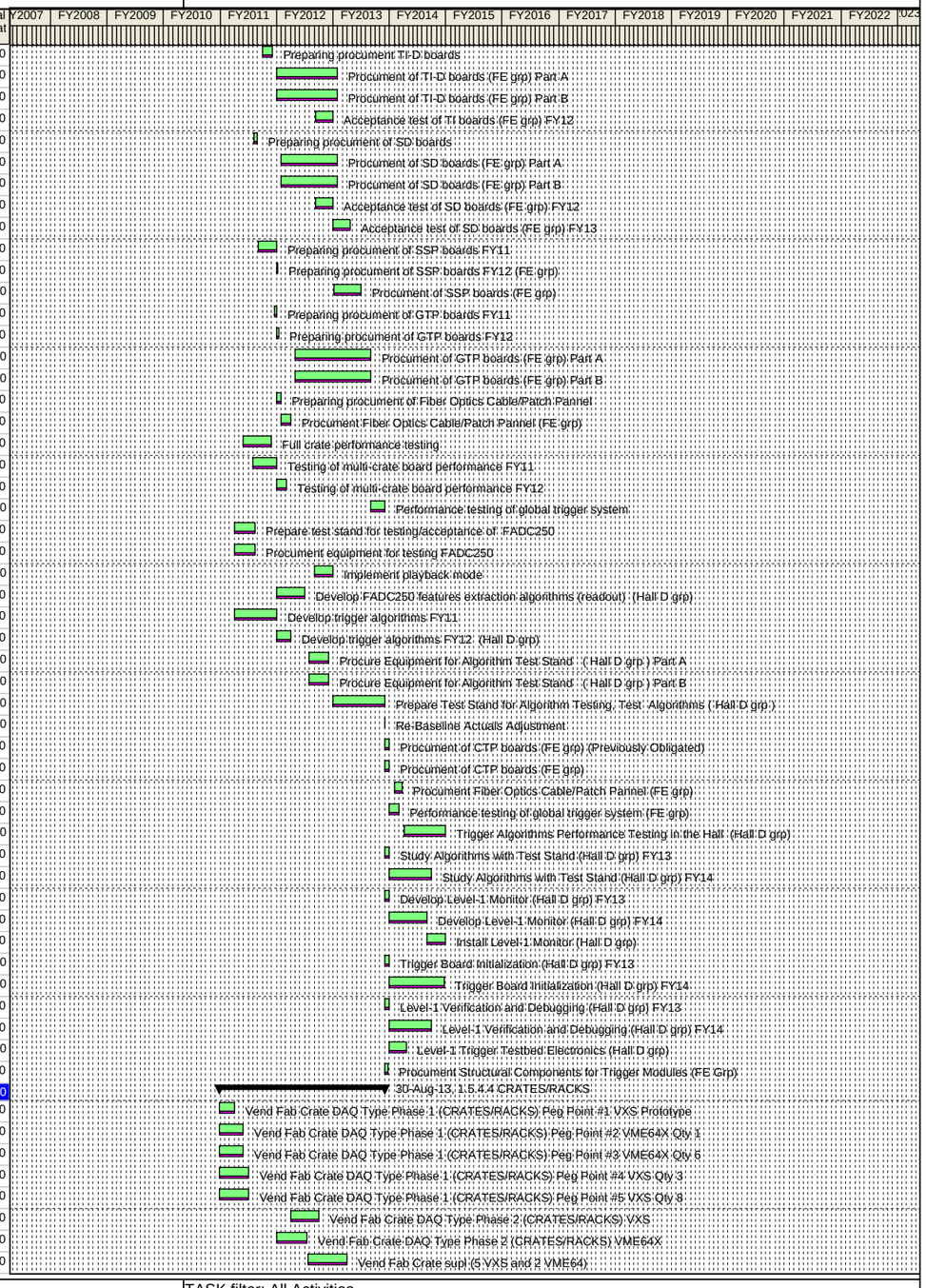
Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
1543035	Preparing procument TI-D boards	06-Jul-11	07-Sep-11	9.00	$10,941	4.00	$0	$10,941	$0	25.20
1543040	Procument of TI-D boards (FE grp) Part A	03-Oct-11	31-Oct-12	54.00	$0	0.00	$137,838	$137,838	$0	22.20
1543040a	Procument of TI-D boards (FE grp) Part B	03-Oct-11	31-Oct-12	54.00	$0	0.00	$51,000	$51,000	$0	22.20
1543045	Acceptance test of TI boards (FE grp) FY12	14-Jun-12	28-Sep-12	15.20	$11,594	4.11	$0	$11,594	$0	22.20
1543050	Preparing procument of SD boards	09-May-11	27-May-11	3.00	$10,941	4.00	$0	$10,941	$0	43.80
1543055	Procument of SD boards (FE grp) Part A	01-Nov-11	31-Oct-12	49.80	$0	0.00	$111,147	$111,147	$0	22.20
1543055a	Procument of SD boards (FE grp) Part B	01-Nov-11	31-Oct-12	49.80	$0	0.00	$23,000	$23,000	$0	22.20
1543060	Acceptance test of SD boards (FE grp) FY12	14-Jun-12	28-Sep-12	15.20	$11,594	4.11	$0	$11,594	$0	22.20
1543060a	Acceptance test of SD boards (FE grp) FY13	01-Oct-12	18-Jan-13	14.40	$11,335	3.89	$0	$11,335	$0	22.20
1543065	Preparing procument of SSP boards FY11	06-Jun-11	30-Sep-11	16.60	$10,319	3.77	$0	$10,319	$0	53.20
1543065a	Preparing procument of SSP boards FY12 (FE grp)	03-Oct-11	07-Oct-11	1.00	$641	0.23	$0	$641	$0	53.20
1543070	Procument of SSP boards (FE grp)	05-Oct-12	29-Mar-13	23.20	$0	0.00	$53,241	$53,241	$0	4.00
1543080	Preparing procument of GTP boards FY11	19-Sep-11	30-Sep-11	2.00	$4,757	1.74	$0	$4,757	$0	21.60
1543080a	Preparing procument of GTP boards FY12	03-Oct-11	19-Oct-11	2.60	$6,381	2.26	$0	$6,381	$0	21.60
1543085	Procument of GTP boards (FE grp) Part A	01-Feb-12	30-May-13	66.40	$0	0.00	$3,319	$3,319	$0	8.60
1543085a	Procument of GTP boards (FE grp) Part B	01-Feb-12	30-May-13	66.40	$0	0.00	$7,000	$7,000	$0	8.60
1543095	Preparing procument of Fiber Optics Cable/Patch Pannel	03-Oct-11	28-Oct-11	4.00	$8,467	3.00	$0	$8,467	$0	74.00
1543100	Procument Fiber Optics Cable/Patch Pannel (FE grp)	31-Oct-11	04-Jan-12	8.00	$0	0.00	$20,638	$20,638	$0	74.00
1543105	Full crate performance testing	01-Mar-11	30-Aug-11	25.80	$8,616	3.15	$0	$8,616	$0	90.40
1543110	Testing of multi-crate board performance FY11	02-May-11	30-Sep-11	21.40	$37,325	13.64	$0	$37,325	$0	77.60
1543110a	Testing of multi-crate board performance FY12	03-Oct-11	01-Dec-11	8.40	$15,118	5.36	$0	$15,118	$0	77.60
1543115	Performance testing of global trigger system	31-May-13	30-Aug-13	13.00	$30,296	10.40	$0	$30,296	$0	4.00
1543120	Prepare test stand for testing/acceptance of FADC250	04-Jan-11	16-May-11	18.60	$4,349	1.59	$0	$4,349	$0	90.20
1543125	Procument equipment for testing FADC250	04-Jan-11	16-May-11	18.60	$0	0.00	$7,000	$7,000	$0	90.20
1543130	Implement playback mode	01-Jun-12	28-Sep-12	16.80	$25,408	9.00	$0	$25,408	$0	4.00
1543135	Develop FADC250 features extraction algorithms (readout) (Hall D grp)	03-Oct-11	30-Mar-12	24.00	$22,595	8.00	$0	$22,595	$0	29.40
1543140	Develop trigger algorithms FY11	04-Jan-11	30-Sep-11	37.80	$29,322	10.71	$0	$29,322	$0	41.80
1543140a	Develop trigger algorithms FY12 (Hall D grp)	03-Oct-11	30-Dec-11	11.60	$9,285	3.29	$0	$9,285	$0	41.80
1543141	Procure Equipment for Algorithm Test Stand (Hall D grp) Part A	01-May-12	31-Aug-12	17.40	$0	0.00	$8,100	$8,100	$0	7.80
1543141a	Procure Equipment for Algorithm Test Stand (Hall D grp) Part B	01-May-12	31-Aug-12	17.40	$0	0.00	$10,000	$10,000	$0	7.80
1543142	Prepare Test Stand for Algorithm Testing, Test Algorithms (Hall D grp)	01-Oct-12	30-Aug-13	45.60	$49,774	17.08	$0	$49,774	$0	4.00
1543150	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$227,586	$227,586	$0	4.00
2543025	Procument of CTP boards (FE grp) (Previously Obligated)	03-Sep-13	30-Sep-13	4.00	$0	0.00	$18,009	$18,009	$0	29.60
2543030	Procument of CTP boards (FE grp)	03-Sep-13	30-Sep-13	4.00	$0	0.00	$9,682	$9,682	$0	29.60
2543100	Procument Fiber Optics Cable/Patch Pannel (FE grp)	01-Nov-13	20-Dec-13	6.80	$0	0.00	$35,000	$35,000	$0	25.60
2543115	Performance testing of global trigger system (FE grp)	01-Oct-13	03-Dec-13	8.80	$28,164	9.67	$0	$28,164	$0	25.60
2543143	Trigger Algorithms Performance Testing in the Hall (Hall D grp)	09-Jan-14	29-Sep-14	36.80	$26,230	9.00	$0	$26,230	$0	0.20
2543144	Study Algorithms with Test Stand (Hall D grp) FY13	03-Sep-13	30-Sep-13	4.00	$1,148	0.39	$0	$1,148	$0	12.80
2543144a	Study Algorithms with Test Stand (Hall D grp) FY14	01-Oct-13	30-Jun-14	36.60	$10,509	3.61	$0	$10,509	$0	12.80
2543150	Develop Level-1 Monitor (Hall D grp) FY13	03-Sep-13	30-Sep-13	4.00	$3,522	1.21	$0	$3,522	$0	50.20
2543150a	Develop Level-1 Monitor (Hall D grp) FY14	01-Oct-13	30-May-14	32.40	$28,532	9.79	$0	$28,532	$0	50.20
2543155	Install Level-1 Monitor (Hall D grp)	02-Jun-14	30-Sep-14	17.00	$14,572	5.00	$0	$14,572	$0	50.20
2543160	Trigger Board Initialization (Hall D grp) FY13	03-Sep-13	30-Sep-13	4.00	$3,408	1.17	$0	$3,408	$0	1.40
2543160a	Trigger Board Initialization (Hall D grp) FY14	01-Oct-13	19-Sep-14	48.00	$40,891	14.03	$0	$40,891	$0	1.40
2543165	Level-1 Verification and Debugging (Hall D grp) FY13	03-Sep-13	30-Sep-13	4.00	$1,990	0.68	$0	$1,990	$0	12.40
2543165a	Level-1 Verification and Debugging (Hall D grp) FY14	01-Oct-13	02-Jul-14	37.00	$18,408	6.32	$0	$18,408	$0	12.40
2543170	Level-1 Trigger Testbed Electronics (Hall D grp)	01-Oct-13	17-Jan-14	13.80	$0	0.00	$19,250	$19,250	$0	0.80
2543185	Procument Structural Components for Trigger Modules (FE Grp)	03-Sep-13	25-Sep-13	3.40	$0	0.00	$1,449	$1,449	$0	50.00
1.5.4.4 CRATES/RACKS		30-Sep-10	30-Aug-13	144.80	$78,201	41.00	$696,245	$774,446	$0	4.00
1544005	Vend Fab Crate DAQ Type Phase 1 (CRATES/RACKS) Peg Point #1 VXS Prototype	30-Sep-10	30-Dec-10	11.80	$0	0.00	$15,116	$15,116	$0	89.00
1544005a	Vend Fab Crate DAQ Type Phase 1 (CRATES/RACKS) Peg Point #2 VME64X Qty 1	30-Sep-10	28-Feb-11	19.60	$0	0.00	$7,232	$7,232	$0	89.00
1544005b	Vend Fab Crate DAQ Type Phase 1 (CRATES/RACKS) Peg Point #3 VME64X Qty 6	30-Sep-10	28-Feb-11	19.60	$0	0.00	$43,392	$43,392	$0	89.00
1544005c	Vend Fab Crate DAQ Type Phase 1 (CRATES/RACKS) Peg Point #4 VXS Qty 3	30-Sep-10	31-Mar-11	24.20	$0	0.00	$32,604	$32,604	$0	89.00
1544005d	Vend Fab Crate DAQ Type Phase 1 (CRATES/RACKS) Peg Point #5 VXS Qty 8	30-Sep-10	31-Mar-11	24.20	$0	0.00	$86,944	$86,944	$0	89.00
1544006	Vend Fab Crate DAQ Type Phase 2 (CRATES/RACKS) VXS	05-Jan-12	29-Jun-12	24.60	$0	0.00	$386,391	$386,391	$0	52.80
1544010	Vend Fab Crate DAQ Type Phase 2 (CRATES/RACKS) VME64X	03-Oct-11	13-Apr-12	26.00	$0	0.00	$13,914	$13,914	$0	63.40
1544015	Vend Fab Crate supl (5 VXS and 2 VME64)	26-Apr-12	31-Dec-12	33.60	$0	0.00	$70,000	$70,000	$0	34.80



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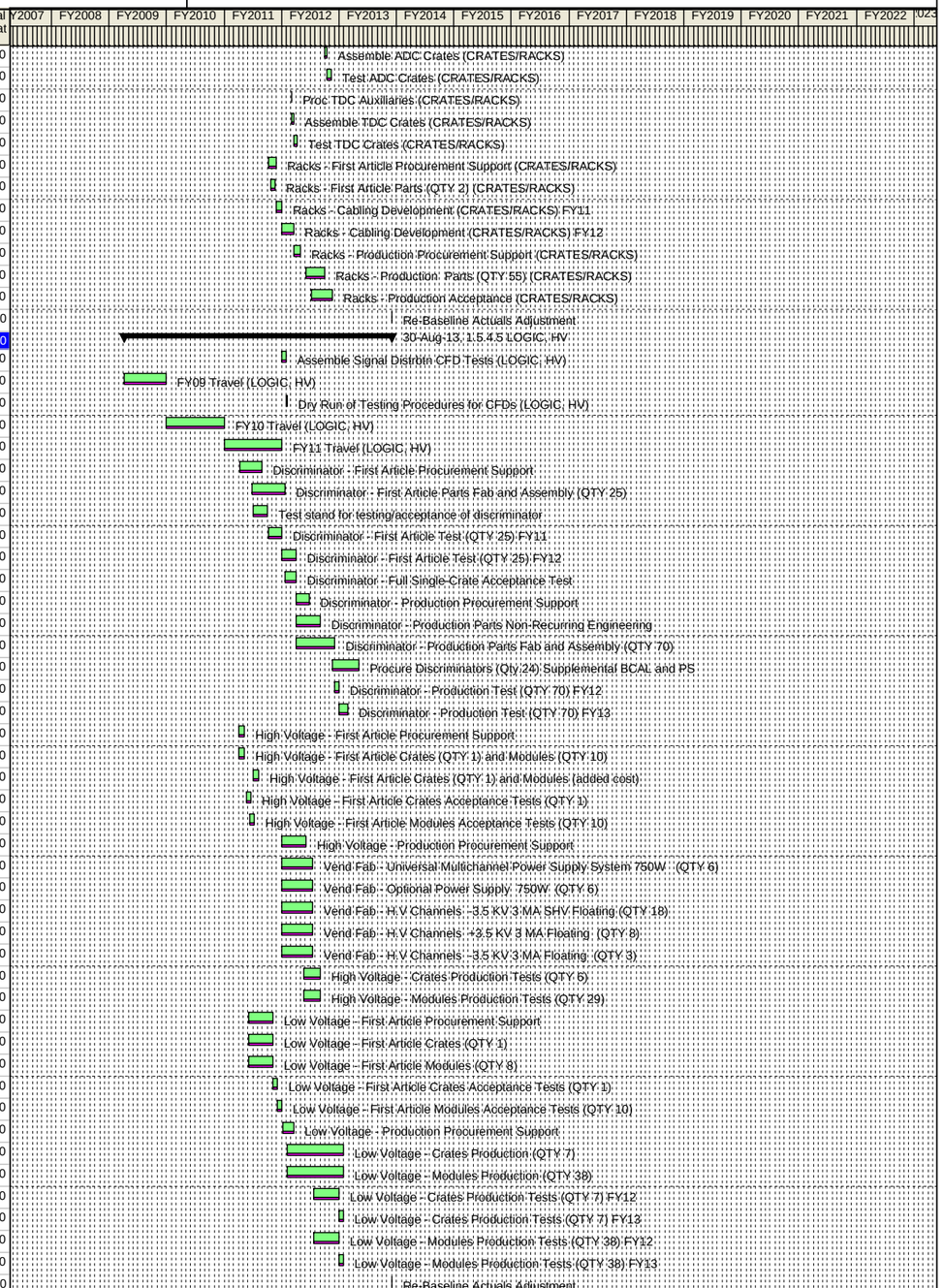
Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
1544020	Assemble ADC Crates (CRATES/RACKS)	02-Jul-12	16-Jul-12	2.20	$3,530	2.00	$0	$3,530	$0	52.80
1544025	Test ADC Crates (CRATES/RACKS)	17-Jul-12	15-Aug-12	4.40	$15,887	9.00	$0	$15,887	$0	52.80
1544030	Proc TDC Auxiliaries (CRATES/RACKS)	02-Dec-11	02-Dec-11	0.20	$0	0.00	$0	$0	$0	83.00
1544035	Assemble TDC Crates (CRATES/RACKS)	05-Dec-11	19-Dec-11	2.20	$3,530	2.00	$0	$3,530	$0	83.00
1544040	Test TDC Crates (CRATES/RACKS)	20-Dec-11	11-Jan-12	2.20	$7,061	4.00	$0	$7,061	$0	83.00
1544050	Racks - First Article Procurement Support (CRATES/RACKS)	11-Jul-11	26-Aug-11	7.00	$9,578	5.00	$0	$9,578	$0	54.00
1544055	Racks - First Article Parts (QTY 2) (CRATES/RACKS)	25-Jul-11	19-Aug-11	4.00	$0	0.00	$2,400	$2,400	$0	54.00
1544060	Racks - Cabling Development (CRATES/RACKS) FY11	29-Aug-11	30-Sep-11	4.80	$6,610	3.12	$0	$6,610	$0	54.00
1544060a	Racks - Cabling Development (CRATES/RACKS) FY12	03-Oct-11	16-Dec-11	10.60	$15,061	6.88	$0	$15,061	$0	54.00
1544065	Racks - Production Procurement Support (CRATES/RACKS)	19-Dec-11	27-Jan-12	4.60	$9,883	5.00	$0	$9,883	$0	54.00
1544070	Racks - Production Parts (QTY 55) (CRATES/RACKS)	05-Mar-12	29-Jun-12	16.60	$0	0.00	$68,105	$68,105	$0	49.20
1544075	Racks - Production Acceptance (CRATES/RACKS)	12-Apr-12	20-Aug-12	18.20	$7,061	4.00	$0	$7,061	$0	49.20
1544080	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($29,854)	($29,854)	$0	4.00
1.5.4.5 LOGIC, HV		02-Jan-09	30-Aug-13	232.00	$207,182	101.00	$629,493	$840,105	$3,430	4.00
1545005	Assemble Signal Distrbtn CFD Tests (LOGIC, HV)	03-Oct-11	28-Oct-11	4.00	$0	0.00	$0	$0	$0	79.20
1545009E	FY09 Travel (LOGIC, HV)	02-Jan-09	30-Sep-09	37.80	$0	0.00	$0	$974	$974	62.00
1545010	Dry Run of Testing Procedures for CFDs (LOGIC, HV)	31-Oct-11	07-Nov-11	1.20	$0	0.00	$0	$0	$0	79.20
1545010E	FY10 Travel (LOGIC, HV)	01-Oct-09	30-Sep-10	49.60	$0	0.00	$0	$1,209	$1,209	62.00
1545011E	FY11 Travel (LOGIC, HV)	01-Oct-10	30-Sep-11	49.60	$0	0.00	$0	$1,247	$1,247	62.00
1545014	Discriminator - First Article Procurement Support	10-Jan-11	27-May-11	19.60	$9,578	5.00	$0	$9,578	$0	38.80
1545015	Discriminator - First Article Parts Fab and Assembly (QTY 25)	28-Mar-11	21-Oct-11	29.40	$0	0.00	$62,500	$62,500	$0	38.80
1545017	Test stand for testing/acceptance of discriminator	01-Apr-11	30-Jun-11	12.80	$27,362	10.00	$0	$27,362	$0	39.80
1545020	Discriminator - First Article Test (QTY 25) FY11	11-Jul-11	30-Sep-11	11.80	$11,732	6.56	$0	$11,732	$0	38.80
1545020a	Discriminator - First Article Test (QTY 25) FY12	03-Oct-11	30-Dec-11	11.60	$11,900	6.44	$0	$11,900	$0	38.80
1545022	Discriminator - Full Single-Crate Acceptance Test	24-Oct-11	30-Dec-11	8.60	$9,883	5.00	$0	$9,883	$0	38.80
1545025	Discriminator - Production Procurement Support	03-Jan-12	23-Mar-12	11.40	$17,652	10.00	$0	$17,652	$0	38.80
1545026	Discriminator - Production Parts Non-Recurring Engineering	04-Jan-12	31-May-12	20.80	$0	0.00	$751	$751	$0	38.80
1545027	Discriminator - Production Parts Fab and Assembly (QTY 70)	04-Jan-12	31-Aug-12	33.80	$0	0.00	$103,126	$103,126	$0	38.80
1545028	Procure Discriminators (Qty.24) Supplemental BCAL and PS	20-Aug-12	31-Jan-13	21.80	$0	0.00	$48,000	$48,000	$0	30.60
1545030	Discriminator - Production Test (QTY 70) FY12	04-Sep-12	28-Sep-12	3.80	$6,939	3.93	$0	$6,939	$0	38.80
1545030a	Discriminator - Production Test (QTY 70) FY13	01-Oct-12	26-Nov-12	7.80	$14,698	8.07	$0	$14,698	$0	38.80
1545040	High Voltage - First Article Procurement Support	04-Jan-11	07-Feb-11	4.80	$16,411	6.00	$0	$16,411	$0	86.60
1545050	High Voltage - First Article Crates (QTY 1) and Modules (QTY 10)	05-Jan-11	07-Feb-11	4.60	$0	0.00	$76,620	$76,620	$0	86.40
1545050a	High Voltage - First Article Crates (QTY 1) and Modules (added cost)	01-Apr-11	11-May-11	5.60	$0	0.00	$2,454	$2,454	$0	87.10
1545051	High Voltage - First Article Crates Acceptance Tests (QTY 1)	22-Feb-11	18-Mar-11	3.80	$4,446	2.00	$0	$4,446	$0	86.40
1545055	High Voltage - First Article Modules Acceptance Tests (QTY 10)	14-Mar-11	08-Apr-11	4.00	$7,868	4.00	$0	$7,868	$0	86.40
1545060	High Voltage - Production Procurement Support	03-Oct-11	02-Mar-12	20.00	$1,765	1.00	$0	$1,765	$0	62.00
1545065	Vend Fab - Universal Multichannel Power Supply System 750W (QTY 6)	03-Oct-11	13-Apr-12	26.00	$0	0.00	$52,213	$52,213	$0	62.00
1545066	Vend Fab - Optional Power Supply 750W (QTY 6)	03-Oct-11	13-Apr-12	26.00	$0	0.00	$8,211	$8,211	$0	62.00
1545070	Vend Fab - H.V Channels -3.5 KV 3 MA SHV Floating (QTY 18)	03-Oct-11	13-Apr-12	26.00	$0	0.00	$124,270	$124,270	$0	62.00
1545071	Vend Fab - H.V Channels +3.5 KV 3 MA Floating (QTY 8)	03-Oct-11	13-Apr-12	26.00	$0	0.00	$55,982	$55,982	$0	62.00
1545075	Vend Fab - H.V Channels -3.5 KV 3 MA Floating (QTY 3)	03-Oct-11	13-Apr-12	26.00	$0	0.00	$21,677	$21,677	$0	62.00
1545080	High Voltage - Crates Production Tests (QTY 6)	22-Feb-12	05-Jun-12	14.60	$3,530	2.00	$0	$3,530	$0	62.00
1545085	High Voltage - Modules Production Tests (QTY 29)	22-Feb-12	05-Jun-12	14.60	$14,122	8.00	$0	$14,122	$0	62.00
1545090	Low Voltage - First Article Procurement Support	07-Mar-11	05-Aug-11	21.60	$16,411	6.00	$0	$16,411	$0	46.00
1545095	Low Voltage - First Article Crates (QTY 1)	07-Mar-11	05-Aug-11	21.60	$0	0.00	$6,300	$6,300	$0	46.00
1545097	Low Voltage - First Article Modules (QTY 8)	07-Mar-11	05-Aug-11	21.60	$0	0.00	$45,200	$45,200	$0	50.00
1545098	Low Voltage - First Article Crates Acceptance Tests (QTY 1)	08-Aug-11	02-Sep-11	4.00	$4,446	2.00	$0	$4,446	$0	46.00
1545100	Low Voltage - First Article Modules Acceptance Tests (QTY 10)	06-Sep-11	30-Sep-11	3.80	$7,868	4.00	$0	$7,868	$0	46.00
1545105	Low Voltage - Production Procurement Support	10-Oct-11	21-Dec-11	10.20	$2,822	1.00	$0	$2,822	$0	45.00
1545110	Low Voltage - Crates Production (QTY 7)	07-Nov-11	31-Oct-12	49.00	$0	0.00	$45,507	$45,507	$0	41.00
1545115	Low Voltage - Modules Production (QTY 38)	07-Nov-11	31-Oct-12	49.00	$0	0.00	$195,235	$195,235	$0	41.00
1545120	Low Voltage - Crates Production Tests (QTY 7) FY12	23-Apr-12	28-Sep-12	22.40	$2,929	1.66	$0	$2,929	$0	41.00
1545120a	Low Voltage - Crates Production Tests (QTY 7) FY13	01-Oct-12	31-Oct-12	4.60	$621	0.34	$0	$621	$0	41.00
1545125	Low Voltage - Modules Production Tests (QTY 38) FY12	23-Apr-12	28-Sep-12	22.40	$11,716	6.64	$0	$11,716	$0	41.00
1545125a	Low Voltage - Modules Production Tests (QTY 38) FY13	01-Oct-12	31-Oct-12	4.60	$2,483	1.36	$0	$2,483	$0	41.00
1545130	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($218,553)	($218,553)	$0	4.00



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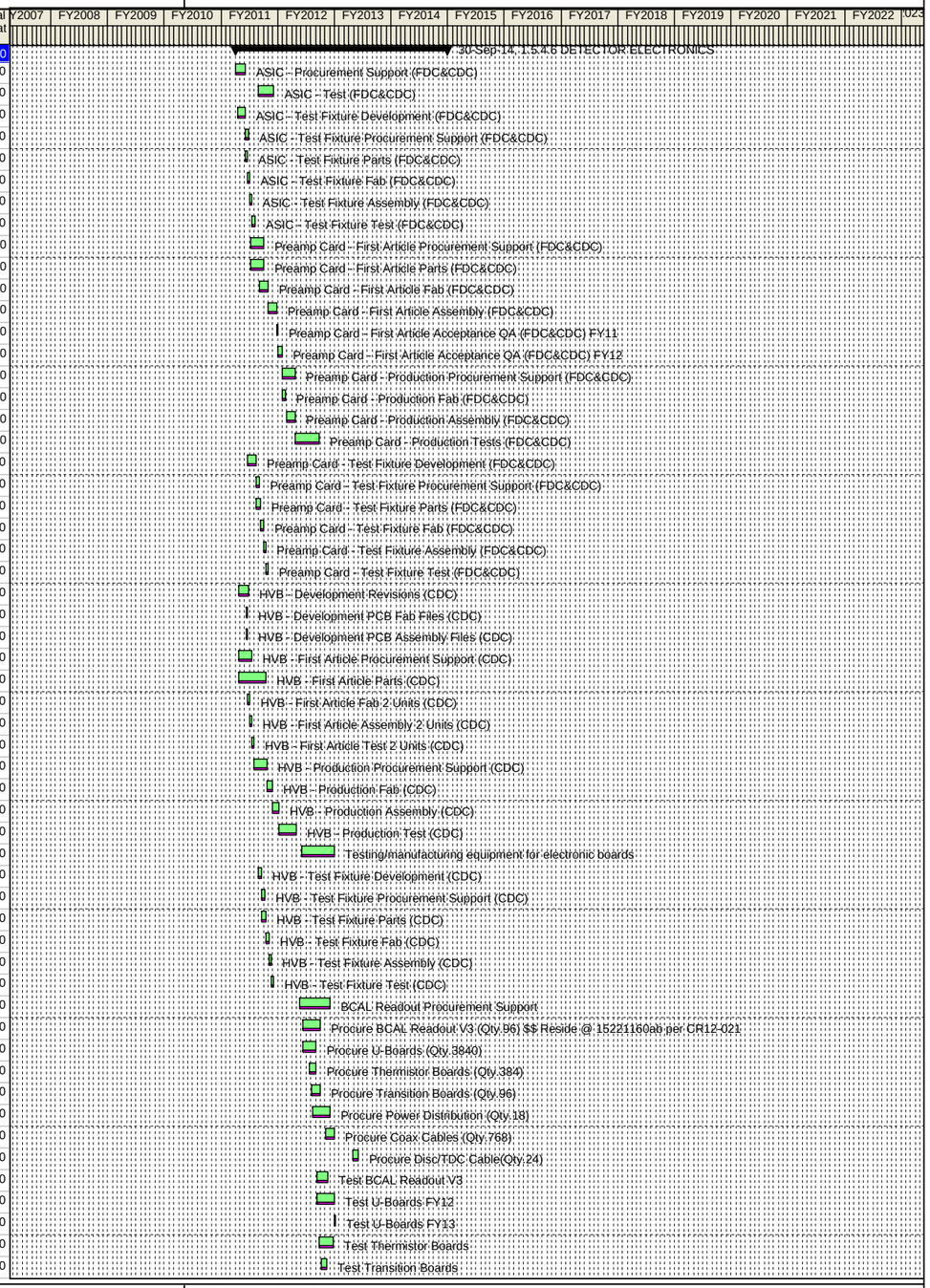
Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
1.5.4.6 DETECTOR ELECTRONICS		04-Jan-11	30-Sep-14	186.40	$428,622	208.02	$450,095	$884,716	$6,000	0.00
1546005	ASIC - Procurement Support (FDC&CDC)	04-Jan-11	04-Mar-11	8.40	$13,676	5.00	$0	$13,676	$0	15.40
1546010	ASIC - Test (FDC&CDC)	31-May-11	02-Sep-11	13.60	$22,916	11.00	$0	$22,916	$0	15.40
1546020	ASIC - Test Fixture Development (FDC&CDC)	18-Jan-11	04-Mar-11	6.60	$13,000	7.00	$0	$13,000	$0	18.40
1546025	ASIC - Test Fixture Procurement Support (FDC&CDC)	07-Mar-11	25-Mar-11	3.00	$3,422	2.00	$0	$3,422	$0	19.40
1546030	ASIC - Test Fixture Parts (FDC&CDC)	07-Mar-11	18-Mar-11	2.00	$0	0.00	$10,000	$10,000	$0	18.40
1546035	ASIC - Test Fixture Fab (FDC&CDC)	21-Mar-11	01-Apr-11	2.00	$0	0.00	$2,000	$2,000	$0	18.40
1546040	ASIC - Test Fixture Assembly (FDC&CDC)	04-Apr-11	15-Apr-11	2.00	$3,422	2.00	$0	$3,422	$0	18.40
1546045	ASIC - Test Fixture Test (FDC&CDC)	18-Apr-11	06-May-11	3.00	$6,157	3.00	$0	$6,157	$0	18.40
1546050	Preamp Card - First Article Procurement Support (FDC&CDC)	11-Apr-11	01-Jul-11	11.80	$11,289	6.00	$0	$11,289	$0	4.00
1546055	Preamp Card - First Article Parts (FDC&CDC)	11-Apr-11	01-Jul-11	11.80	$0	0.00	$25,000	$25,000	$0	4.00
1546060	Preamp Card - First Article Fab (FDC&CDC)	06-Jun-11	29-Jul-11	7.80	$0	0.00	$3,500	$3,500	$0	4.00
1546065	Preamp Card - First Article Assembly (FDC&CDC)	01-Aug-11	23-Sep-11	7.80	$0	0.00	$5,000	$5,000	$0	4.00
1546070	Preamp Card - First Article Acceptance QA (FDC&CDC) FY11	26-Sep-11	30-Sep-11	1.00	$2,121	1.00	$0	$2,121	$0	4.00
1546070a	Preamp Card - First Article Acceptance QA (FDC&CDC) FY12	03-Oct-11	28-Oct-11	4.00	$8,752	4.00	$0	$8,752	$0	4.00
1546075	Preamp Card - Production Procurement Support (FDC&CDC)	31-Oct-11	20-Jan-12	10.20	$3,530	2.00	$0	$3,530	$0	4.00
1546080	Preamp Card - Production Fab (FDC&CDC)	31-Oct-11	23-Nov-11	3.60	$0	0.00	$22,702	$22,702	$0	4.00
1546085	Preamp Card - Production Assembly (FDC&CDC)	28-Nov-11	20-Jan-12	6.60	$0	0.00	$23,734	$23,734	$0	4.00
1546090	Preamp Card - Production Tests (FDC&CDC)	23-Jan-12	22-Jun-12	21.40	$38,834	22.00	$0	$38,834	$0	4.00
1546095	Preamp Card - Test Fixture Development (FDC&CDC)	21-Mar-11	13-May-11	8.00	$13,000	7.00	$0	$13,000	$0	11.80
1546100	Preamp Card - Test Fixture Procurement Support (FDC&CDC)	16-May-11	03-Jun-11	2.80	$3,422	2.00	$0	$3,422	$0	11.80
1546105	Preamp Card - Test Fixture Parts (FDC&CDC)	16-May-11	10-Jun-11	3.80	$0	0.00	$10,000	$10,000	$0	11.80
1546110	Preamp Card - Test Fixture Fab (FDC&CDC)	13-Jun-11	01-Jul-11	3.00	$0	0.00	$2,000	$2,000	$0	11.80
1546115	Preamp Card - Test Fixture Assembly (FDC&CDC)	05-Jul-11	15-Jul-11	1.80	$3,422	2.00	$0	$3,422	$0	11.80
1546120	Preamp Card - Test Fixture Test (FDC&CDC)	18-Jul-11	29-Jul-11	2.00	$3,422	2.00	$0	$3,422	$0	11.80
1546125	HVB - Development Revisions (CDC)	24-Jan-11	24-Mar-11	8.60	$10,941	4.00	$0	$10,941	$0	11.00
1546130	HVB - Development PCB Fab Files (CDC)	14-Mar-11	18-Mar-11	1.00	$2,735	1.00	$0	$2,735	$0	11.00
1546135	HVB - Development PCB Assembly Files (CDC)	14-Mar-11	18-Mar-11	1.00	$2,735	1.00	$0	$2,735	$0	11.00
1546140	HVB - First Article Procurement Support (CDC)	24-Jan-11	15-Apr-11	11.80	$6,157	3.00	$0	$6,157	$0	11.00
1546145	HVB - First Article Parts (CDC)	24-Jan-11	15-Jul-11	24.40	$0	0.00	$10,000	$10,000	$0	11.00
1546150	HVB - First Article Fab 2 Units (CDC)	21-Mar-11	01-Apr-11	2.00	$0	0.00	$2,000	$2,000	$0	11.00
1546155	HVB - First Article Assembly 2 Units (CDC)	04-Apr-11	15-Apr-11	2.00	$1,711	1.00	$0	$1,711	$0	11.00
1546160	HVB - First Article Test 2 Units (CDC)	18-Apr-11	29-Apr-11	2.00	$1,711	1.00	$0	$1,711	$0	11.00
1546165	HVB - Production Procurement Support (CDC)	02-May-11	22-Jul-11	11.60	$14,362	6.00	$0	$14,362	$0	11.00
1546170	HVB - Production Fab (CDC)	25-Jul-11	26-Aug-11	5.00	$0	0.00	$10,000	$10,000	$0	11.00
1546175	HVB - Production Assembly (CDC)	29-Aug-11	07-Oct-11	5.80	$0	0.00	$10,000	$10,000	$0	11.00
1546180	HVB - Production Test (CDC)	10-Oct-11	27-Jan-12	14.20	$16,944	9.00	$0	$16,944	$0	11.00
1546182	Testing/manufacturing equipment for electronic boards	05-Mar-12	28-Sep-12	29.40	$0	0.00	$5,000	$5,000	$0	99.20
1546185	HVB - Test Fixture Development (CDC)	27-May-11	17-Jun-11	3.00	$4,446	2.00	$0	$4,446	$0	15.80
1546190	HVB - Test Fixture Procurement Support (CDC)	20-Jun-11	08-Jul-11	2.80	$1,711	1.00	$0	$1,711	$0	15.80
1546195	HVB - Test Fixture Parts (CDC)	20-Jun-11	15-Jul-11	3.80	$0	0.00	$1,000	$1,000	$0	15.80
1546200	HVB - Test Fixture Fab (CDC)	18-Jul-11	05-Aug-11	3.00	$0	0.00	$2,000	$2,000	$0	15.80
1546205	HVB - Test Fixture Assembly (CDC)	08-Aug-11	19-Aug-11	2.00	$3,422	2.00	$0	$3,422	$0	15.80
1546210	HVB - Test Fixture Test (CDC)	22-Aug-11	02-Sep-11	2.00	$1,711	1.00	$0	$1,711	$0	15.80
1546300	BCAL Readout Procurement Support	21-Feb-12	31-Aug-12	27.40	$19,192	6.80	$0	$19,192	$0	42.60
1546305	Procure BCAL Readout V3 (Qty.96) $$ Reside @ 15221160ab per CR12-021	12-Mar-12	29-Jun-12	15.60	$0	0.00	$0	$0	$0	42.60
1546310	Procure U-Boards (Qty.3840)	12-Mar-12	31-May-12	11.60	$0	0.00	$100,680	$100,680	$0	42.60
1546315	Procure Thermistor Boards (Qty.384)	23-Apr-12	31-May-12	5.60	$0	0.00	$19,706	$19,706	$0	42.60
1546320	Procure Transition Boards (Qty.96)	07-May-12	29-Jun-12	7.60	$0	0.00	$45,032	$45,032	$0	42.60
1546325	Procure Power Distribution (Qty.18)	14-May-12	31-Aug-12	15.60	$0	0.00	$11,700	$11,700	$0	42.60
1546330	Procure Coax Cables (Qty.768)	06-Aug-12	28-Sep-12	7.80	$0	0.00	$38,400	$38,400	$0	43.60
1546345	Procure Disc/TDC Cable(Qty.24)	25-Jan-13	28-Feb-13	4.80	$0	0.00	$619	$619	$0	26.80
1546360	Test BCAL Readout V3	11-Jun-12	20-Aug-12	10.20	$16,801	8.50	$0	$16,801	$0	45.60
1546365	Test U-Boards FY12	11-Jun-12	28-Sep-12	15.80	$22,312	12.64	$0	$22,312	$0	45.60
1546365a	Test U-Boards FY13	01-Oct-12	08-Oct-12	1.20	$1,749	0.96	$0	$1,749	$0	45.60
1546370	Test Thermistor Boards	25-Jun-12	21-Sep-12	12.80	$12,003	6.80	$0	$12,003	$0	45.60
1546375	Test Transition Boards	09-Jul-12	10-Aug-12	5.00	$3,001	1.70	$0	$3,001	$0	45.60



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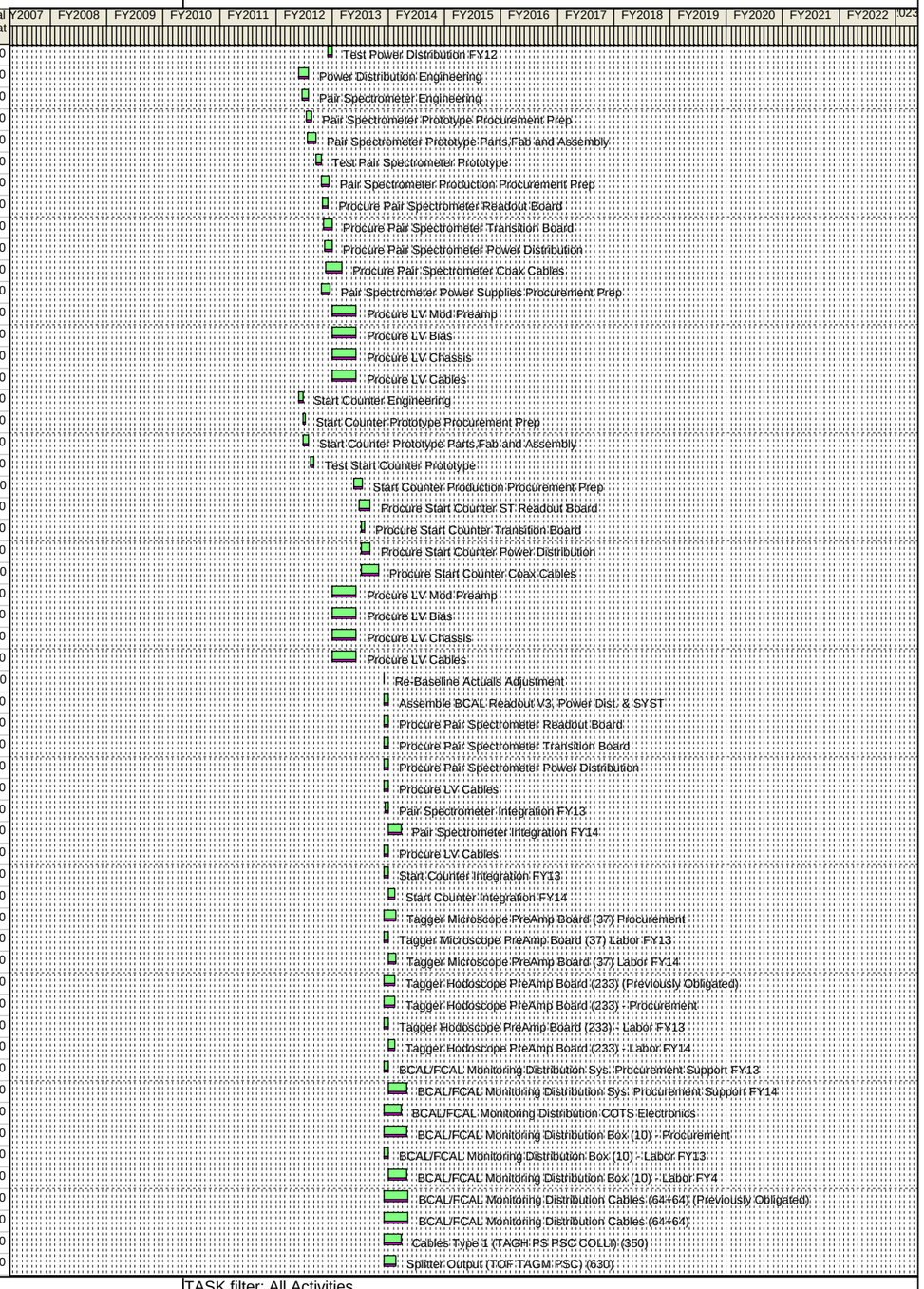
Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
1546380	Test Power Distribution FY12	04-Sep-12	28-Sep-12	3.80	$4,438	1.57	$0	$4,438	$0	42.60
1546390	Power Distribution Engineering	27-Feb-12	30-Apr-12	9.20	$9,596	3.40	$0	$9,596	$0	60.00
1546400	Pair Spectrometer Engineering	19-Mar-12	27-Apr-12	6.00	$6,774	2.40	$0	$6,774	$0	32.00
1546405	Pair Spectrometer Prototype Procurement Prep	16-Apr-12	18-May-12	5.00	$6,774	2.40	$0	$6,774	$0	32.00
1546410	Pair Spectrometer Prototype Parts,Fab and Assembly	23-Apr-12	15-Jun-12	7.60	$3,001	1.70	$5,000	$8,001	$0	32.00
1546415	Test Pair Spectrometer Prototype	18-Jun-12	20-Jul-12	5.00	$7,799	3.40	$0	$7,799	$0	32.00
1546420	Pair Spectrometer Production Procurement Prep	23-Jul-12	07-Sep-12	6.80	$4,977	2.40	$0	$4,977	$0	32.00
1546425	Procure Pair Spectrometer Readout Board	30-Jul-12	31-Aug-12	5.00	$0	0.00	$5,800	$5,800	$0	43.00
1546430	Procure Pair Spectrometer Transition Board	06-Aug-12	28-Sep-12	7.80	$0	0.00	$1,600	$1,600	$0	34.00
1546435	Procure Pair Spectrometer Power Distribution	13-Aug-12	28-Sep-12	6.80	$0	0.00	$1,050	$1,050	$0	32.00
1546440	Procure Pair Spectrometer Coax Cables	20-Aug-12	30-Nov-12	14.40	$0	0.00	$10,500	$10,500	$0	39.00
1546445	Pair Spectrometer Power Supplies Procurement Prep	25-Jul-12	14-Sep-12	7.40	$6,774	2.40	$0	$6,774	$0	25.80
1546450	Procure LV Mod Preamp	01-Oct-12	28-Feb-13	19.80	$0	0.00	$7,223	$7,223	$0	25.80
1546455	Procure LV Bias	01-Oct-12	28-Feb-13	19.80	$0	0.00	$9,287	$9,287	$0	25.80
1546460	Procure LV Chassis	01-Oct-12	28-Feb-13	19.80	$0	0.00	$6,811	$6,811	$0	25.80
1546465	Procure LV Cables	01-Oct-12	28-Feb-13	19.80	$0	0.00	$413	$413	$0	25.80
1546500	Start Counter Engineering	27-Feb-12	23-Mar-12	4.00	$9,596	3.40	$0	$9,596	$0	43.20
1546505	Start Counter Prototype Procurement Prep	26-Mar-12	06-Apr-12	2.00	$4,798	1.70	$0	$4,798	$0	43.20
1546510	Start Counter Prototype Parts,Fab and Assembly	26-Mar-12	27-Apr-12	5.00	$3,001	1.70	$5,000	$8,001	$0	43.20
1546515	Test Start Counter Prototype	14-May-12	01-Jun-12	2.80	$4,977	2.40	$0	$4,977	$0	43.20
1546520	Start Counter Production Procurement Prep	19-Feb-13	12-Apr-13	7.80	$6,990	2.40	$0	$6,990	$0	8.40
1546525	Procure Start Counter ST Readout Board	25-Mar-13	31-May-13	9.80	$0	0.00	$5,160	$5,160	$0	14.80
1546530	Procure Start Counter Transition Board	08-Apr-13	30-Apr-13	3.40	$0	0.00	$1,651	$1,651	$0	13.80
1546535	Procure Start Counter Power Distribution	08-Apr-13	31-May-13	7.80	$0	0.00	$1,084	$1,084	$0	10.00
1546540	Procure Start Counter Coax Cables	08-Apr-13	31-Jul-13	16.20	$0	0.00	$1,599	$1,599	$0	8.40
1546550	Procure LV Mod Preamp	01-Oct-12	28-Feb-13	19.80	$0	0.00	$7,223	$7,223	$0	25.80
1546555	Procure LV Bias	01-Oct-12	28-Feb-13	19.80	$0	0.00	$9,287	$9,287	$0	25.80
1546560	Procure LV Chassis	01-Oct-12	28-Feb-13	19.80	$0	0.00	$6,811	$6,811	$0	25.80
1546565	Procure LV Cables	01-Oct-12	28-Feb-13	19.80	$0	0.00	$413	$413	$0	25.80
1546570	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($130,660)	($130,660)	$0	4.00
2546362	Assemble BCAL Readout V3, Power Dist. & SYST	03-Sep-13	30-Sep-13	4.00	$2,768	1.40	$0	$2,768	$0	35.80
2546425	Procure Pair Spectrometer Readout Board	03-Sep-13	30-Sep-13	4.00	$0	0.00	$3,748	$3,748	$0	39.80
2546430	Procure Pair Spectrometer Transition Board	03-Sep-13	30-Sep-13	4.00	$0	0.00	$3,226	$3,226	$0	39.80
2546435	Procure Pair Spectrometer Power Distribution	03-Sep-13	30-Sep-13	4.00	$0	0.00	$3,220	$3,220	$0	39.80
2546465	Procure LV Cables	03-Sep-13	30-Sep-13	4.00	$364	0.20	$80	$444	$0	49.40
2546470	Pair Spectrometer Integration FY13	09-Sep-13	30-Sep-13	3.20	$2,395	1.32	$0	$2,395	$0	35.00
2546470a	Pair Spectrometer Integration FY14	01-Oct-13	20-Dec-13	11.40	$8,534	4.69	$0	$8,534	$0	35.00
2546565	Procure LV Cables	03-Sep-13	30-Sep-13	4.00	$182	0.10	$41	$223	$0	49.40
2546567	Start Counter Integration FY13	03-Sep-13	30-Sep-13	4.00	$1,338	0.73	$0	$1,338	$0	41.60
2546567a	Start Counter Integration FY14	01-Oct-13	08-Nov-13	5.80	$1,940	1.07	$0	$1,940	$0	41.60
2546585	Tagger Microscope PreAmp Board (37) Procurement	03-Sep-13	15-Nov-13	10.80	$0	0.00	$7,500	$7,500	$0	30.60
2546585a	Tagger Microscope PreAmp Board (37) Labor FY13	03-Sep-13	30-Sep-13	4.00	$2,024	1.11	$0	$2,024	$0	30.60
2546585b	Tagger Microscope PreAmp Board (37) Labor FY14	01-Oct-13	15-Nov-13	6.80	$3,441	1.89	$0	$3,441	$0	30.60
2546600	Tagger Hodoscope PreAmp Board (233) (Previously Obligated)	03-Sep-13	08-Nov-13	9.80	$0	0.00	$12,865	$12,865	$0	31.60
2546605	Tagger Hodoscope PreAmp Board (233) - Procurement	03-Sep-13	08-Nov-13	9.80	$0	0.00	$3,135	$3,135	$0	31.60
2546605a	Tagger Hodoscope PreAmp Board (233) - Labor FY13	03-Sep-13	30-Sep-13	4.00	$2,855	1.47	$0	$2,855	$0	31.60
2546605b	Tagger Hodoscope PreAmp Board (233) - Labor FY14	01-Oct-13	08-Nov-13	5.80	$4,139	2.13	$0	$4,139	$0	31.60
2546610	BCAL/FCAL Monitoring Distribution Sys. Procurement Support FY13	03-Sep-13	30-Sep-13	4.00	$1,932	0.95	$0	$1,932	$0	34.40
2546610a	BCAL/FCAL Monitoring Distribution Sys. Procurement Support FY14	01-Oct-13	28-Jan-14	15.00	$7,247	3.55	$0	$7,247	$0	34.40
2546615	BCAL/FCAL Monitoring Distribution COTS Electronics	03-Sep-13	20-Dec-13	15.40	$0	0.00	$16,134	$16,134	$0	38.00
2546620	BCAL/FCAL Monitoring Distribution Box (10) - Procurement	03-Sep-13	28-Jan-14	19.00	$0	0.00	$10,000	$10,000	$0	34.40
2546620a	BCAL/FCAL Monitoring Distribution Box (10) - Labor FY13	03-Sep-13	30-Sep-13	4.00	$1,918	1.05	$0	$1,918	$0	34.40
2546620b	BCAL/FCAL Monitoring Distribution Box (10) - Labor FY4	01-Oct-13	28-Jan-14	15.00	$7,190	3.95	$0	$7,190	$0	34.40
2546625	BCAL/FCAL Monitoring Distribution Cables (64+64) (Previously Obligated)	03-Sep-13	31-Jan-14	19.60	$0	0.00	$6,012	$6,012	$0	33.80
2546630	BCAL/FCAL Monitoring Distribution Cables (64+64)	03-Sep-13	31-Jan-14	19.60	$0	0.00	$3,588	$3,588	$0	33.80
2546640	Cables Type 1 (TAGH PS PSC COLLI) (350)	03-Sep-13	20-Dec-13	15.40	$0	0.00	$18,484	$18,484	$0	38.00
2546645	Splitter Output (TOF TAGM PSC) (630)	03-Sep-13	15-Nov-13	10.80	$0	0.00	$31,331	$31,331	$0	42.60



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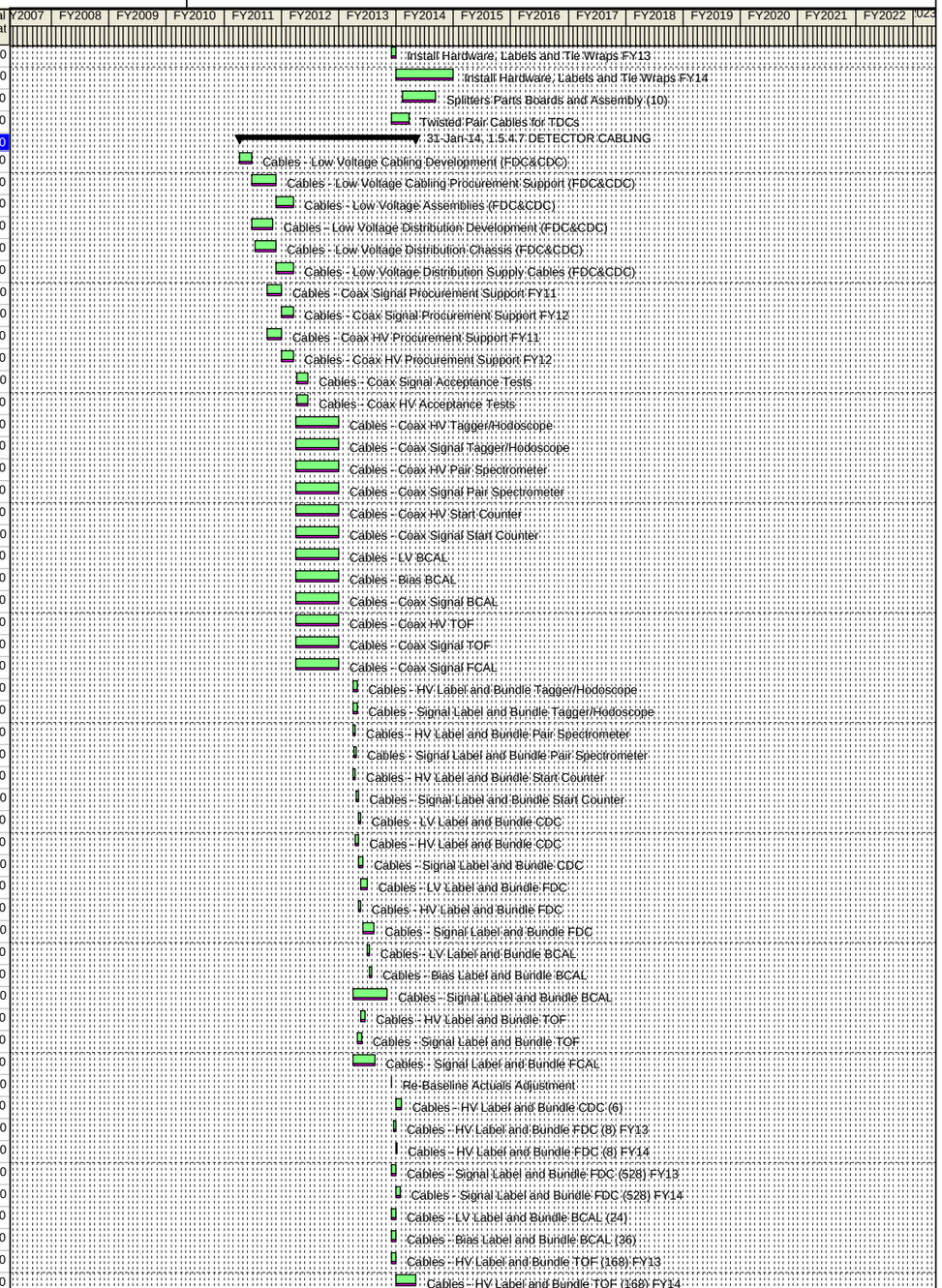
Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
2546650	Install Hardware, Labels and Tie Wraps FY13	03-Sep-13	30-Sep-13	4.00	$0	0.00	$0	$449	$449	0.00
2546650a	Install Hardware, Labels and Tie Wraps FY14	01-Oct-13	30-Sep-14	49.40	$0	0.00	$0	$5,551	$5,551	0.00
2546655	Splitters Parts Boards and Assembly (10)	08-Nov-13	06-Jun-14	27.80	$6,831	3.75	$13,500	$20,331	$0	16.00
2546660	Twisted Pair Cables for TDCs	03-Sep-13	20-Dec-13	15.40	$0	0.00	$1,908	$1,908	$0	20.00
1.5.4.7 DETECTOR CABLING		11-Jan-11	31-Jan-14	151.80	$211,671	108.35	$202,835	$414,505	$0	25.20
1547005	Cables - Low Voltage Cabling Development (FDC&CDC)	11-Jan-11	25-Mar-11	10.40	$8,892	4.00	$0	$8,892	$0	67.40
1547010	Cables - Low Voltage Cabling Procurement Support (FDC&CDC)	28-Mar-11	26-Aug-11	21.60	$16,411	6.00	$0	$16,411	$0	67.40
1547015	Cables - Low Voltage Assemblies (FDC&CDC)	29-Aug-11	21-Dec-11	16.00	$0	0.00	$45,000	$45,000	$0	67.40
1547020	Cables - Low Voltage Distribution Development (FDC&CDC)	28-Mar-11	05-Aug-11	18.60	$19,157	10.00	$0	$19,157	$0	68.00
1547025	Cables - Low Voltage Distribution Chassis (FDC&CDC)	18-Apr-11	26-Aug-11	18.60	$0	0.00	$21,000	$21,000	$0	68.00
1547030	Cables - Low Voltage Distribution Supply Cables (FDC&CDC)	29-Aug-11	16-Dec-11	15.40	$0	0.00	$10,000	$10,000	$0	68.00
1547035	Cables - Coax Signal Procurement Support FY11	07-Jul-11	30-Sep-11	12.20	$9,516	4.28	$0	$9,516	$0	7.20
1547035a	Cables - Coax Signal Procurement Support FY12	03-Oct-11	16-Dec-11	10.60	$8,532	3.72	$0	$8,532	$0	7.20
1547040	Cables - Coax HV Procurement Support FY11	07-Jul-11	30-Sep-11	12.20	$9,516	4.28	$0	$9,516	$0	24.60
1547040a	Cables - Coax HV Procurement Support FY12	03-Oct-11	16-Dec-11	10.60	$8,532	3.72	$0	$8,532	$0	24.60
1547045	Cables - Coax Signal Acceptance Tests	10-Jan-12	21-Mar-12	10.00	$10,591	6.00	$0	$10,591	$0	7.20
1547050	Cables - Coax HV Acceptance Tests	10-Jan-12	21-Mar-12	10.00	$10,591	6.00	$0	$10,591	$0	24.60
1547055	Cables - Coax HV Tagger/Hodoscope	03-Jan-12	28-Sep-12	37.80	$0	0.00	$14,705	$14,705	$0	46.00
1547060	Cables - Coax Signal Tagger/Hodoscope	03-Jan-12	28-Sep-12	37.80	$0	0.00	$15,994	$15,994	$0	42.00
1547065	Cables - Coax HV Pair Spectrometer	03-Jan-12	28-Sep-12	37.80	$0	0.00	$3,870	$3,870	$0	44.00
1547070	Cables - Coax Signal Pair Spectrometer	03-Jan-12	28-Sep-12	37.80	$0	0.00	$2,580	$2,580	$0	35.00
1547075	Cables - Coax HV Start Counter	03-Jan-12	28-Sep-12	37.80	$0	0.00	$3,096	$3,096	$0	24.60
1547080	Cables - Coax Signal Start Counter	03-Jan-12	28-Sep-12	37.80	$0	0.00	$2,064	$2,064	$0	7.20
1547085	Cables - LV BCAL	03-Jan-12	28-Sep-12	37.80	$0	0.00	$3,715	$3,715	$0	44.00
1547090	Cables - Bias BCAL	03-Jan-12	28-Sep-12	37.80	$0	0.00	$5,572	$5,572	$0	45.60
1547095	Cables - Coax Signal BCAL	03-Jan-12	28-Sep-12	37.80	$0	0.00	$99,062	$99,062	$0	16.00
1547100	Cables - Coax HV TOF	03-Jan-12	28-Sep-12	37.80	$0	0.00	$13,002	$13,002	$0	45.80
1547105	Cables - Coax Signal TOF	03-Jan-12	28-Sep-12	37.80	$0	0.00	$8,668	$8,668	$0	45.60
1547110	Cables - Coax Signal FCAL	03-Jan-12	28-Sep-12	37.80	$0	0.00	$56,755	$56,755	$0	25.40
1547115	Cables - HV Label and Bundle Tagger/Hodoscope	03-Jan-13	29-Jan-13	3.60	$3,643	2.00	$0	$3,643	$0	34.00
1547120	Cables - Signal Label and Bundle Tagger/Hodoscope	03-Jan-13	29-Jan-13	3.60	$3,643	2.00	$0	$3,643	$0	30.00
1547125	Cables - HV Label and Bundle Pair Spectrometer	03-Jan-13	16-Jan-13	2.00	$1,822	1.00	$0	$1,822	$0	35.60
1547130	Cables - Signal Label and Bundle Pair Spectrometer	08-Jan-13	22-Jan-13	2.00	$1,822	1.00	$0	$1,822	$0	35.00
1547135	Cables - HV Label and Bundle Start Counter	03-Jan-13	16-Jan-13	2.00	$1,822	1.00	$0	$1,822	$0	19.20
1547140	Cables - Signal Label and Bundle Start Counter	23-Jan-13	04-Feb-13	1.80	$1,822	1.00	$0	$1,822	$0	7.20
1547145	Cables - LV Label and Bundle CDC	05-Feb-13	19-Feb-13	2.00	$1,822	1.00	$0	$1,822	$0	12.80
1547150	Cables - HV Label and Bundle CDC	17-Jan-13	31-Jan-13	2.00	$1,822	1.00	$0	$1,822	$0	19.20
1547155	Cables - Signal Label and Bundle CDC	05-Feb-13	05-Mar-13	4.00	$3,643	2.00	$0	$3,643	$0	7.20
1547160	Cables - LV Label and Bundle FDC	20-Feb-13	02-Apr-13	6.00	$5,465	3.00	$0	$5,465	$0	12.80
1547165	Cables - HV Label and Bundle FDC	01-Feb-13	14-Feb-13	2.00	$1,822	1.00	$0	$1,822	$0	19.20
1547170	Cables - Signal Label and Bundle FDC	06-Mar-13	10-May-13	9.60	$9,108	5.00	$0	$9,108	$0	7.20
1547175	Cables - LV Label and Bundle BCAL	03-Apr-13	12-Apr-13	1.60	$1,822	1.00	$0	$1,822	$0	19.60
1547180	Cables - Bias Label and Bundle BCAL	15-Apr-13	26-Apr-13	2.00	$1,822	1.00	$0	$1,822	$0	19.60
1547185	Cables - Signal Label and Bundle BCAL	03-Jan-13	06-Aug-13	30.00	$29,146	16.00	$0	$29,146	$0	4.00
1547190	Cables - HV Label and Bundle TOF	15-Feb-13	14-Mar-13	3.80	$3,643	2.00	$0	$3,643	$0	27.80
1547195	Cables - Signal Label and Bundle TOF	30-Jan-13	27-Feb-13	4.00	$3,643	2.00	$0	$3,643	$0	30.00
1547200	Cables - Signal Label and Bundle FCAL	03-Jan-13	21-May-13	19.40	$18,216	10.00	$0	$18,216	$0	13.40
1547205	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($102,247)	($102,247)	$0	4.00
2547135	Cables - HV Label and Bundle CDC (6)	01-Oct-13	04-Nov-13	5.00	$1,822	1.00	$0	$1,822	$0	26.80
2547165	Cables - HV Label and Bundle FDC (8) FY13	16-Sep-13	30-Sep-13	2.20	$1,252	0.69	$0	$1,252	$0	3.80
2547165a	Cables - HV Label and Bundle FDC (8) FY14	01-Oct-13	07-Oct-13	1.00	$569	0.31	$0	$569	$0	3.80
2547170	Cables - Signal Label and Bundle FDC (528) FY13	03-Sep-13	30-Sep-13	4.00	$2,335	1.28	$0	$2,335	$0	1.00
2547170a	Cables - Signal Label and Bundle FDC (528) FY14	01-Oct-13	25-Oct-13	3.80	$2,219	1.22	$0	$2,219	$0	1.00
2547175	Cables - LV Label and Bundle BCAL (24)	03-Sep-13	30-Sep-13	4.00	$1,275	0.70	$0	$1,275	$0	11.60
2547180	Cables - Bias Label and Bundle BCAL (36)	03-Sep-13	30-Sep-13	4.00	$1,002	0.55	$0	$1,002	$0	11.60
2547190	Cables - HV Label and Bundle TOF (168) FY13	03-Sep-13	30-Sep-13	4.00	$297	0.16	$0	$297	$0	25.40
2547190a	Cables - HV Label and Bundle TOF (168) FY14	01-Oct-13	31-Jan-14	15.60	$1,160	0.64	$0	$1,160	$0	25.40



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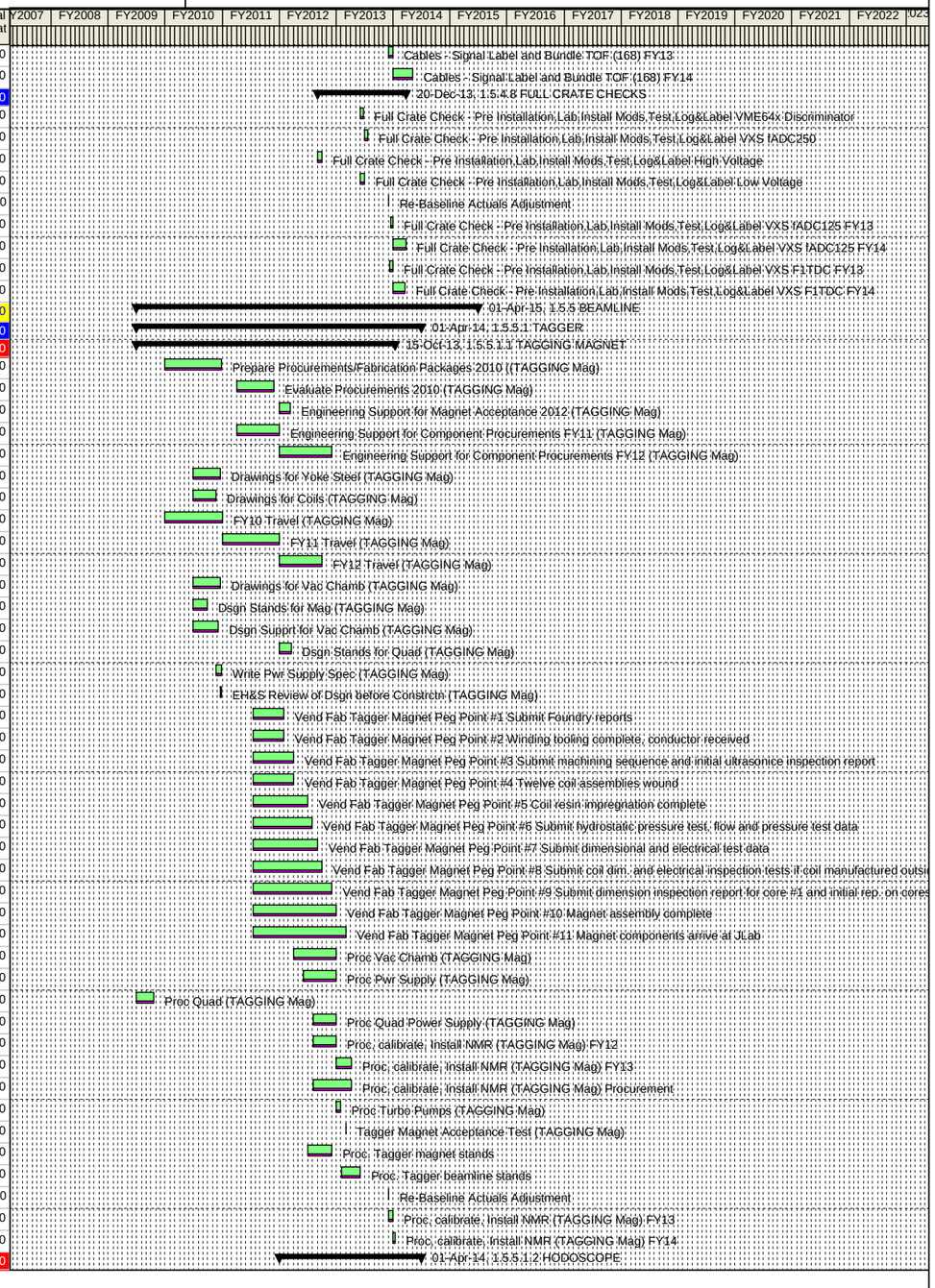
Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
2547200	Cables - Signal Label and Bundle TOF (168) FY13	03-Sep-13	30-Sep-13	4.00	$297	0.16	$0	$297	$0	25.40
2547200a	Cables - Signal Label and Bundle TOF (168) FY14	01-Oct-13	31-Jan-14	15.60	$1,160	0.64	$0	$1,160	$0	25.40
1.5.4.8 FULL CRATE CHECKS		06-Jun-12	20-Dec-13	77.40	$35,173	17.00	($12,810)	$22,363	$0	23.20
1548010	Full Crate Check - Pre Installation,Lab,Install Mods,Test,Log&Label VME64x Discriminator	01-Mar-13	21-Mar-13	3.00	$5,099	2.50	$0	$5,099	$0	26.80
1548015	Full Crate Check - Pre Installation,Lab,Install Mods,Test,Log&Label VXS fADC250	01-Apr-13	19-Apr-13	3.00	$10,564	5.50	$0	$10,564	$0	22.60
1548030	Full Crate Check - Pre Installation,Lab,Install Mods,Test,Log&Label High Voltage	06-Jun-12	03-Jul-12	4.00	$4,942	2.50	$0	$4,942	$0	62.00
1548035	Full Crate Check - Pre Installation,Lab,Install Mods,Test,Log&Label Low Voltage	01-Mar-13	28-Mar-13	4.00	$5,099	2.50	$0	$5,099	$0	25.80
1548040	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($12,810)	($12,810)	$0	4.00
2548020	Full Crate Check - Pre Installation,Lab,Install Mods,Test,Log&Label VXS fADC125 FY13	16-Sep-13	30-Sep-13	2.20	$766	0.32	$0	$766	$0	22.20
2548020a	Full Crate Check - Pre Installation,Lab,Install Mods,Test,Log&Label VXS fADC125 FY14	01-Oct-13	20-Dec-13	11.40	$3,968	1.68	$0	$3,968	$0	22.20
2548025	Full Crate Check - Pre Installation,Lab,Install Mods,Test,Log&Label VXS F1TDC FY13	09-Sep-13	30-Sep-13	3.20	$1,114	0.47	$0	$1,114	$0	24.00
2548025a	Full Crate Check - Pre Installation,Lab,Install Mods,Test,Log&Label VXS F1TDC FY14	01-Oct-13	13-Dec-13	10.40	$3,620	1.53	$0	$3,620	$0	24.00
1.5.5 BEAMLINE		01-Apr-09	01-Apr-15	297.60	$1,687,643	1077.84	$3,051,172	$4,809,887	$71,072	75.20
1.5.5.1 TAGGER		01-Apr-09	01-Apr-14	248.00	$643,687	546.53	$1,878,750	$2,548,557	$26,119	13.40
1.5.5.1.1 TAGGING MAGNET		01-Apr-09	15-Oct-13	226.00	$470,109	390.40	$1,545,956	$2,039,016	$22,950	33.00
15511002	Prepare Procurements/Fabrication Packages 2010 ((TAGGING Mag)	01-Oct-09	29-Sep-10	49.40	$39,992	18.00	$0	$39,992	$0	42.20
15511003	Evaluate Procurements 2010 (TAGGING Mag)	05-Jan-11	26-Aug-11	32.80	$12,739	5.00	$0	$12,739	$0	42.20
15511004	Engineering Support for Magnet Acceptance 2012 (TAGGING Mag)	03-Oct-11	13-Dec-11	10.00	$9,463	4.00	$0	$9,463	$0	86.20
15511004a	Engineering Support for Component Procurements FY11 (TAGGING Mag)	04-Jan-11	30-Sep-11	37.80	$36,682	16.00	$0	$36,682	$0	50.60
15511004b	Engineering Support for Component Procurements FY12 (TAGGING Mag)	03-Oct-11	31-Aug-12	45.60	$20,682	8.00	$0	$20,682	$0	50.60
15511005	Drawings for Yoke Steel (TAGGING Mag)	01-Apr-10	20-Sep-10	24.00	$46,414	43.00	$0	$46,414	$0	54.80
15511010	Drawings for Coils (TAGGING Mag)	01-Apr-10	20-Aug-10	20.00	$55,231	65.00	$0	$55,231	$0	54.80
15511010E	FY10 Travel (TAGGING Mag)	01-Oct-09	30-Sep-10	49.60	$0	0.00	$0	$6,074	$6,074	16.80
15511011E	FY11 Travel (TAGGING Mag)	01-Oct-10	30-Sep-11	49.60	$0	0.00	$0	$6,268	$6,268	16.80
15511012E	FY12 Travel (TAGGING Mag)	03-Oct-11	29-Jun-12	36.60	$0	0.00	$0	$4,849	$4,849	16.80
15511015	Drawings for Vac Chamb (TAGGING Mag)	01-Apr-10	20-Sep-10	24.00	$55,231	65.00	$0	$55,231	$0	54.80
15511025	Dsgn Stands for Mag (TAGGING Mag)	01-Apr-10	24-Jun-10	12.00	$46,414	37.00	$0	$46,414	$0	66.80
15511030	Dsgn Supprt for Vac Chamb (TAGGING Mag)	01-Apr-10	03-Sep-10	22.00	$46,414	37.00	$0	$46,414	$0	56.80
15511035	Dsgn Stands for Quad (TAGGING Mag)	03-Oct-11	20-Dec-11	11.00	$49,424	37.00	$0	$49,424	$0	116.00
15511040	Write Pwr Supply Spec (TAGGING Mag)	23-Aug-10	27-Sep-10	5.00	$8,290	11.00	$0	$8,290	$0	107.00
15511045	EH&S Review of Dsgn before Constrctn (TAGGING Mag)	21-Sep-10	27-Sep-10	1.00	$0	0.00	$0	$0	$0	54.80
15511050	Vend Fab Tagger Magnet Peg Point #1 Submit Foundry reports	15-Apr-11	31-Oct-11	27.80	$0	0.00	$442,540	$442,540	$0	28.20
15511050a	Vend Fab Tagger Magnet Peg Point #2 Winding tooling complete, conductor received	15-Apr-11	31-Oct-11	27.80	$0	0.00	$45,296	$45,296	$0	28.20
15511050b	Vend Fab Tagger Magnet Peg Point #3 Submit machining sequence and initial ultrasoni...	15-Apr-11	30-Dec-11	35.20	$0	0.00	$133,880	$133,880	$0	28.20
15511050c	Vend Fab Tagger Magnet Peg Point #4 Twelve coil assemblies wound	15-Apr-11	30-Dec-11	35.20	$0	0.00	$78,454	$78,454	$0	28.20
15511050d	Vend Fab Tagger Magnet Peg Point #5 Coil resin impregnation complete	15-Apr-11	30-Mar-12	47.60	$0	0.00	$102,401	$102,401	$0	28.20
15511050f	Vend Fab Tagger Magnet Peg Point #6 Submit hydrostatic pressure test, flow and press...	15-Apr-11	30-Apr-12	51.80	$0	0.00	$5,023	$5,023	$0	28.20
15511050g	Vend Fab Tagger Magnet Peg Point #7 Submit dimensional and electrical test data	15-Apr-11	31-May-12	56.20	$0	0.00	$3,893	$3,893	$0	28.20
15511050h	Vend Fab Tagger Magnet Peg Point #8 Submit coil dim. and electrical inspection tests if ...	15-Apr-11	29-Jun-12	60.20	$0	0.00	$0	$0	$0	28.20
15511050j	Vend Fab Tagger Magnet Peg Point #9 Submit dimension inspection report for core #1 a...	15-Apr-11	31-Aug-12	69.20	$0	0.00	$189,643	$189,643	$0	28.20
15511050k	Vend Fab Tagger Magnet Peg Point #10 Magnet assembly complete	15-Apr-11	28-Sep-12	73.00	$0	0.00	$89,560	$89,560	$0	28.20
15511050n	Vend Fab Tagger Magnet Peg Point #11 Magnet components arrive at JLab	15-Apr-11	30-Nov-12	81.60	$0	0.00	$13,504	$13,504	$0	28.20
15511060	Proc Vac Chamb (TAGGING Mag)	05-Jan-12	28-Sep-12	37.40	$2,320	3.00	$77,956	$80,276	$0	36.80
15511065	Proc Pwr Supply (TAGGING Mag)	05-Mar-12	28-Sep-12	29.40	$0	0.00	$41,276	$41,276	$0	36.80
15511070	Proc Quad (TAGGING Mag)	01-Apr-09	16-Jul-09	15.00	$0	0.00	$20,000	$20,000	$0	223.60
15511071	Proc Quad Power Supply (TAGGING Mag)	07-May-12	28-Sep-12	20.40	$0	0.00	$5,494	$5,494	$0	84.80
15511095	Proc, calibrate, Install NMR (TAGGING Mag) FY12	04-May-12	28-Sep-12	20.60	$14,533	19.86	$0	$14,533	$0	35.00
15511095a	Proc, calibrate, Install NMR (TAGGING Mag) FY13	01-Oct-12	09-Jan-13	13.00	$9,463	12.54	$0	$9,463	$0	35.00
15511095b	Proc, calibrate, Install NMR (TAGGING Mag) Procurement	04-May-12	09-Jan-13	33.60	$0	0.00	$37,778	$37,778	$0	35.00
15511100	Proc Turbo Pumps (TAGGING Mag)	01-Oct-12	26-Oct-12	4.00	$6,904	5.00	$62,298	$69,202	$0	45.60
15511105	Tagger Magnet Acceptance Test (TAGGING Mag)	03-Dec-12	03-Dec-12	0.20	$0	0.00	$0	$0	$0	28.20
15511110	Proc. Tagger magnet stands	03-Apr-12	31-Aug-12	21.40	$0	0.00	$17,500	$17,500	$0	53.40
15511115	Proc. Tagger beamline stands	02-Nov-12	28-Feb-13	15.00	$0	0.00	$14,447	$14,447	$0	65.00
15511120	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$165,012	$165,012	$0	4.00
25511095	Proc, calibrate, Install NMR (TAGGING Mag) FY13	03-Sep-13	30-Sep-13	4.00	$6,396	2.58	$0	$10,112	$3,716	25.00
25511095a	Proc, calibrate, Install NMR (TAGGING Mag) FY14	01-Oct-13	15-Oct-13	2.20	$3,517	1.42	$0	$5,561	$2,044	25.00
1.5.5.1.2 HODOSCOPE		03-Oct-11	01-Apr-14	123.20	$173,578	156.13	$332,794	$509,541	$3,169	13.40



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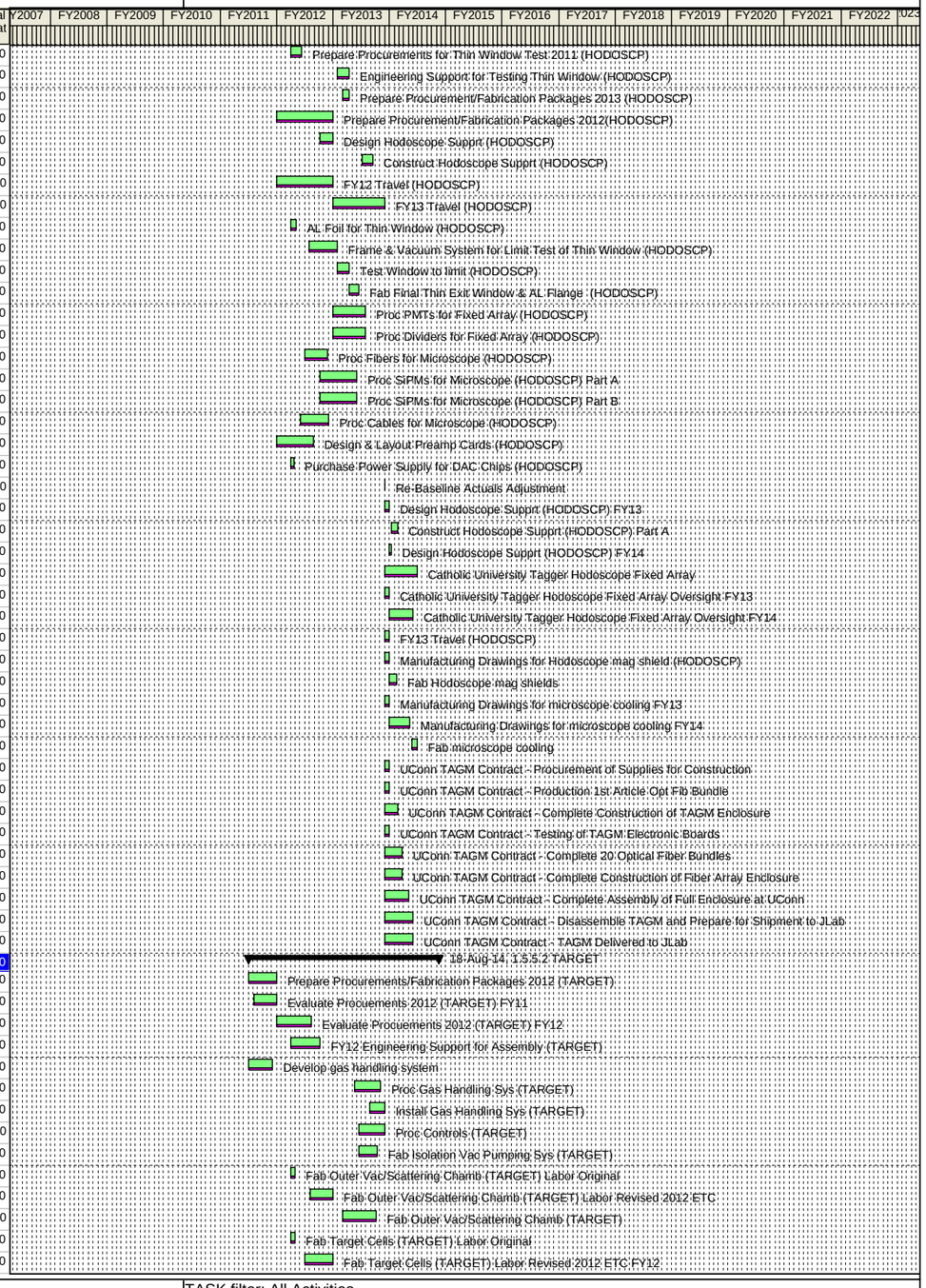
Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
15512001	Prepare Procurements for Thin Window Test 2011 (HODOSCP)	05-Jan-12	12-Mar-12	9.20	$15,073	6.00	$0	$15,073	$0	33.80
15512002	Engineering Support for Testing Thin Window (HODOSCP)	01-Nov-12	14-Jan-13	9.00	$27,485	12.00	$0	$27,485	$0	27.00
15512003	Prepare Procurement/Fabrication Packages 2013 (HODOSCP)	03-Dec-12	14-Jan-13	5.00	$24,590	11.00	$0	$24,590	$0	27.00
15512004	Prepare Procurement/Fabrication Packages 2012(HODOSCP)	03-Oct-11	28-Sep-12	49.40	$26,634	12.00	$0	$26,634	$0	35.60
15512005	Design Hodoscope Supprt (HODOSCP)	09-Jul-12	28-Sep-12	11.80	$42,244	35.00	$0	$42,244	$0	14.20
15512005a	Construct Hodoscope Supprt (HODOSCP)	08-Apr-13	19-Jun-13	10.40	$0	0.00	$23,424	$23,424	$0	14.20
15512012E	FY12 Travel (HODOSCP)	03-Oct-11	28-Sep-12	49.40	$0	0.00	$0	$885	$885	4.00
15512013E	FY13 Travel (HODOSCP)	01-Oct-12	30-Aug-13	45.60	$0	0.00	$0	$839	$839	4.00
15512020	AL Foil for Thin Window (HODOSCP)	05-Jan-12	02-Feb-12	4.00	$0	0.00	$1,615	$1,615	$0	27.00
15512025	Frame & Vacuum System for Limit Test of Thin Window (HODOSCP)	30-Apr-12	31-Oct-12	26.00	$0	0.00	$23,400	$23,400	$0	27.00
15512030	Test Window to limit (HODOSCP)	01-Nov-12	14-Jan-13	9.00	$20,178	41.00	$0	$20,178	$0	27.00
15512035	Fab Final Thin Exit Window & AL Flange (HODOSCP)	15-Jan-13	20-Mar-13	9.00	$0	0.00	$24,147	$24,147	$0	27.00
15512050	Proc PMTs for Fixed Array (HODOSCP)	01-Oct-12	30-Apr-13	28.40	$0	0.00	$54,933	$54,933	$0	21.20
15512055	Proc Dividers for Fixed Array (HODOSCP)	01-Oct-12	30-Apr-13	28.40	$0	0.00	$32,622	$32,622	$0	21.20
15512100	Proc Fibers for Microscope (HODOSCP)	02-Apr-12	27-Aug-12	20.80	$0	0.00	$12,285	$12,285	$0	54.20
15512110	Proc SiPMs for Microscope (HODOSCP) Part A	11-Jul-12	28-Feb-13	31.20	$0	0.00	$42,401	$42,401	$0	29.80
15512110a	Proc SiPMs for Microscope (HODOSCP) Part B	11-Jul-12	28-Feb-13	31.20	$0	0.00	$98,000	$98,000	$0	29.80
15512120	Proc Cables for Microscope (HODOSCP)	06-Mar-12	31-Aug-12	25.40	$0	0.00	$913	$913	$0	53.40
15512136	Design & Layout Preamp Cards (HODOSCP)	03-Oct-11	25-May-12	32.00	$0	32.00	$0	$0	$0	67.00
15512170	Purchase Power Supply for DAC Chips (HODOSCP)	05-Jan-12	19-Jan-12	2.00	$0	0.00	$2,381	$2,381	$0	85.00
15512175	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($119,498)	($119,498)	$0	4.00
25512005	Design Hodoscope Supprt (HODOSCP) FY13	03-Sep-13	30-Sep-13	4.00	$3,223	1.29	$0	$3,223	$0	29.40
25512005a	Construct Hodoscope Supprt (HODOSCP) Part A	15-Oct-13	25-Nov-13	6.00	$0	0.00	$23,424	$23,424	$0	29.40
25512005b	Design Hodoscope Supprt (HODOSCP) FY14	01-Oct-13	15-Oct-13	2.20	$1,773	0.71	$0	$1,773	$0	29.40
25512010	Catholic University Tagger Hodoscope Fixed Array	03-Sep-13	01-Apr-14	28.00	$0	0.00	$45,007	$45,007	$0	13.40
25512010a	Catholic University Tagger Hodoscope Fixed Array Oversight FY13	03-Sep-13	30-Sep-13	4.00	$117	0.04	$0	$117	$0	17.80
25512010aa	Catholic University Tagger Hodoscope Fixed Array Oversight FY14	01-Oct-13	28-Feb-14	19.60	$574	0.20	$0	$574	$0	17.80
25512013LOE	FY13 Travel (HODOSCP)	03-Sep-13	30-Sep-13	4.00	$0	0.00	$0	$245	$245	37.40
25512056	Manufacturing Drawings for Hodoscope mag shield (HODOSCP)	03-Sep-13	30-Sep-13	4.00	$1,649	0.72	$0	$1,649	$0	30.00
25512060	Fab Hodoscope mag shields	01-Oct-13	20-Nov-13	7.40	$0	0.00	$8,000	$8,000	$0	30.00
25512065	Manufacturing Drawings for microscope cooling FY13	03-Sep-13	30-Sep-13	4.00	$1,968	0.82	$0	$1,968	$0	13.80
25512065a	Manufacturing Drawings for microscope cooling FY14	01-Oct-13	06-Feb-14	16.40	$8,070	3.36	$0	$8,070	$0	13.80
25512070	Fab microscope cooling	26-Feb-14	28-Mar-14	4.60	$0	0.00	$5,900	$7,100	$1,200	13.80
25512131	UConn TAGM Contract - Procurement of Supplies for Construction	03-Sep-13	30-Sep-13	4.00	$0	0.00	$3,500	$3,500	$0	17.80
25512136	UConn TAGM Contract - Production 1st Article Opt Fib Bundle	03-Sep-13	30-Sep-13	4.00	$0	0.00	$3,329	$3,329	$0	17.80
25512146	UConn TAGM Contract - Complete Construction of TAGM Enclosure	03-Sep-13	27-Nov-13	12.40	$0	0.00	$3,447	$3,447	$0	17.80
25512151	UConn TAGM Contract - Testing of TAGM Electronic Boards	03-Sep-13	30-Sep-13	4.00	$0	0.00	$2,017	$2,017	$0	17.80
25512156	UConn TAGM Contract - Complete 20 Optical Fiber Bundles	03-Sep-13	20-Dec-13	15.40	$0	0.00	$28,938	$28,938	$0	17.80
25512161	UConn TAGM Contract - Complete Construction of Fiber Array Enclosure	03-Sep-13	20-Dec-13	15.40	$0	0.00	$3,572	$3,572	$0	17.80
25512166	UConn TAGM Contract - Complete Assembly of Full Enclosure at UConn	03-Sep-13	31-Jan-14	19.60	$0	0.00	$3,782	$3,782	$0	17.80
25512171	UConn TAGM Contract - Disassemble TAGM and Prepare for Shipment to JLab	03-Sep-13	28-Feb-14	23.60	$0	0.00	$2,627	$2,627	$0	17.80
25512176	UConn TAGM Contract - TAGM Delivered to JLab	03-Sep-13	28-Feb-14	23.60	$0	0.00	$2,627	$2,627	$0	17.80
1.5.5.2 TARGET		01-Apr-11	18-Aug-14	168.20	$342,571	163.03	$372,578	$756,005	$40,856	14.60
1552001	Prepare Procurements/Fabrication Packages 2012 (TARGET)	01-Apr-11	30-Sep-11	25.60	$18,341	8.00	$0	$18,341	$0	75.40
1552002	Evaluate Procuements 2012 (TARGET) FY11	10-May-11	30-Sep-11	20.20	$2,950	1.21	$0	$2,950	$0	75.40
1552002a	Evaluate Procuements 2012 (TARGET) FY12	03-Oct-11	10-May-12	29.80	$4,492	1.79	$0	$4,492	$0	75.40
1552003	FY12 Engineering Support for Assembly (TARGET)	05-Jan-12	10-Jul-12	26.00	$39,950	18.00	$0	$39,950	$0	53.40
1552004	Develop gas handling system	01-Apr-11	01-Sep-11	21.60	$43,284	20.00	$0	$43,284	$0	97.20
1552005	Proc Gas Handling Sys (TARGET)	15-Feb-13	06-Aug-13	24.00	$0	0.00	$28,976	$28,976	$0	25.80
1552006	Install Gas Handling Sys (TARGET)	24-May-13	30-Aug-13	13.80	$9,580	5.22	$0	$9,580	$0	33.80
1552010	Proc Controls (TARGET)	18-Mar-13	30-Aug-13	23.60	$0	0.00	$41,854	$41,854	$0	4.00
1552015	Fab Isolation Vac Pumping Sys (TARGET)	18-Mar-13	12-Jul-13	16.60	$0	0.00	$27,769	$27,769	$0	18.80
1552018	Fab Outer Vac/Scattering Chamb (TARGET) Labor Original	05-Jan-12	31-Jan-12	3.60	$1,865	0.97	$0	$1,865	$0	41.40
1552018a	Fab Outer Vac/Scattering Chamb (TARGET) Labor Revised 2012 ETC	07-May-12	28-Sep-12	20.40	$11,605	6.03	$0	$11,605	$0	41.40
1552020	Fab Outer Vac/Scattering Chamb (TARGET)	03-Dec-12	09-Jul-13	29.40	$0	0.00	$10,866	$10,866	$0	7.40
1552023	Fab Target Cells (TARGET) Labor Original	05-Jan-12	31-Jan-12	3.60	$1,477	0.83	$0	$1,477	$0	41.40
1552023a	Fab Target Cells (TARGET) Labor Revised 2012 ETC FY12	02-Apr-12	28-Sep-12	25.40	$7,939	4.47	$0	$7,939	$0	41.40



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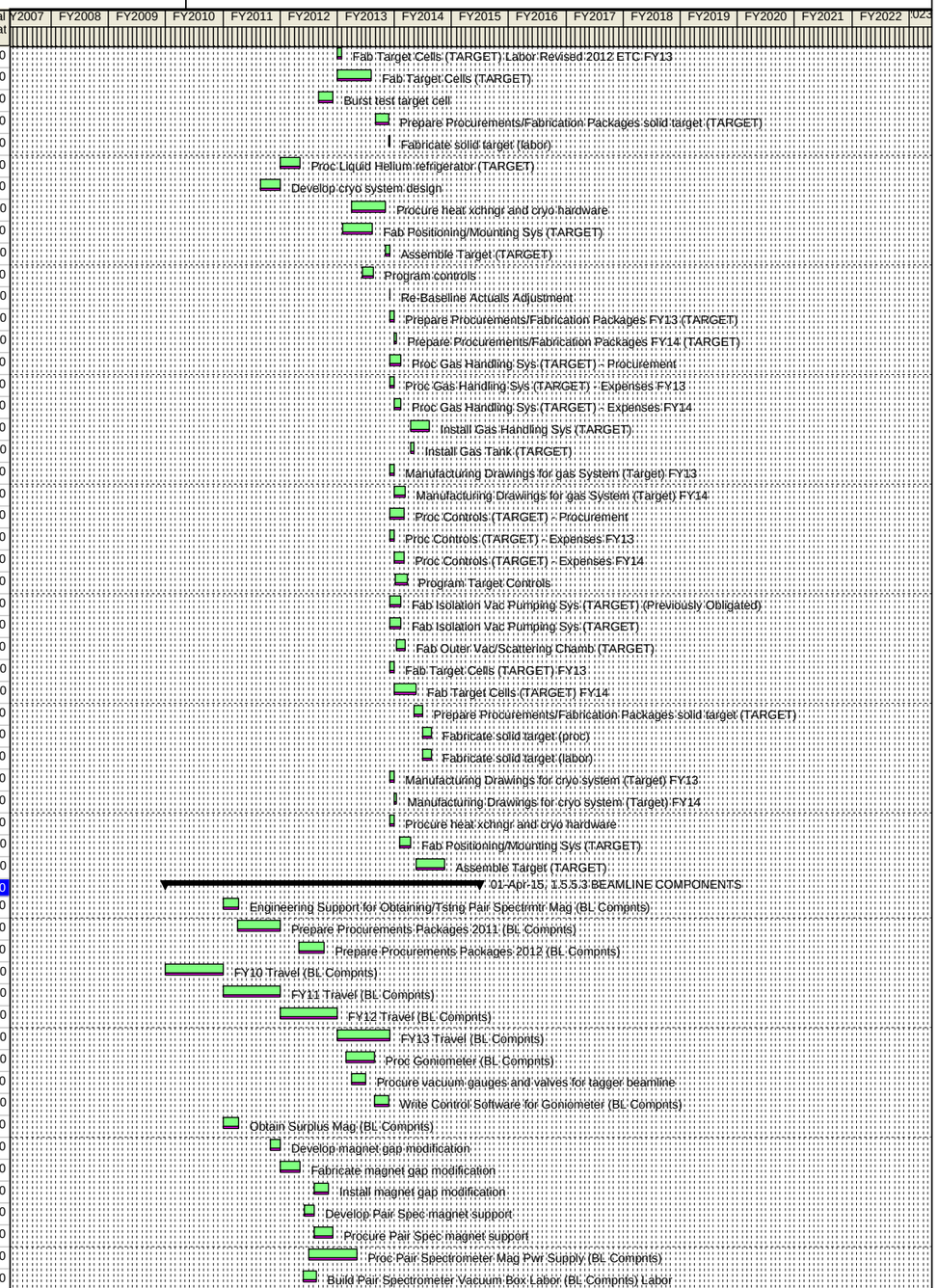
Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
1552023aa	Fab Target Cells (TARGET) Labor Revised 2012 ETC FY13	01-Oct-12	26-Oct-12	4.00	$1,290	0.70	$0	$1,290	$0	41.40
1552025	Fab Target Cells (TARGET)	01-Oct-12	07-May-13	29.40	$0	0.00	$12,073	$12,073	$0	16.00
1552027	Burst test target cell	06-Jun-12	04-Sep-12	12.80	$12,720	6.00	$0	$12,720	$0	49.00
1552028	Prepare Procurements/Fabrication Packages solid target (TARGET)	31-May-13	28-Aug-13	12.60	$11,006	6.00	$0	$11,006	$0	37.80
1552028b	Fabricate solid target (labor)	29-Aug-13	30-Aug-13	0.40	$621	0.32	$0	$621	$0	37.80
1552030	Proc Liquid Helium refrigerator (TARGET)	03-Oct-11	02-Feb-12	16.00	$0	0.00	$56,755	$56,755	$0	78.80
1552032	Develop cryo system design	01-Jun-11	30-Sep-11	17.20	$43,284	20.00	$0	$43,284	$0	65.40
1552033	Procure heat xchngr and cryo hardware	03-Jan-13	01-Aug-13	29.40	$0	0.00	$15,972	$15,972	$0	4.00
1552035	Fab Positioning/Mounting Sys (TARGET)	05-Nov-12	09-May-13	24.80	$0	0.00	$59,159	$59,159	$0	15.60
1552040	Assemble Target (TARGET)	02-Aug-13	30-Aug-13	4.20	$3,658	1.80	$0	$3,658	$0	4.00
1552045	Program controls	08-Mar-13	22-May-13	10.80	$0	0.00	$0	$0	$0	47.80
1552050	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$45,207	$45,207	$0	4.00
2552001	Prepare Procurements/Fabrication Packages FY13 (TARGET)	03-Sep-13	30-Sep-13	4.00	$977	0.40	$0	$977	$0	9.60
2552001a	Prepare Procurements/Fabrication Packages FY14 (TARGET)	01-Oct-13	14-Oct-13	2.00	$488	0.20	$0	$488	$0	9.60
2552005	Proc Gas Handling Sys (TARGET) - Procurement	03-Sep-13	11-Nov-13	10.00	$0	0.00	$7,800	$7,800	$0	13.60
2552005a	Proc Gas Handling Sys (TARGET) - Expenses FY13	03-Sep-13	30-Sep-13	4.00	$0	0.00	$0	$3,632	$3,632	13.60
2552005b	Proc Gas Handling Sys (TARGET) - Expenses FY14	01-Oct-13	11-Nov-13	6.00	$0	0.00	$0	$5,448	$5,448	13.60
2552006	Install Gas Handling Sys (TARGET)	10-Jan-14	12-May-14	17.20	$17,358	9.14	$0	$17,858	$500	15.80
2552007	Install Gas Tank (TARGET)	10-Jan-14	05-Feb-14	3.60	$0	0.00	$18,500	$18,500	$0	3.80
2552008	Manufacturing Drawings for gas System (Target) FY13	03-Sep-13	30-Sep-13	4.00	$2,247	0.93	$0	$2,247	$0	19.20
2552008a	Manufacturing Drawings for gas System (Target) FY14	01-Oct-13	05-Dec-13	9.20	$5,168	2.14	$0	$5,168	$0	19.20
2552010	Proc Controls (TARGET) - Procurement	03-Sep-13	04-Dec-13	13.00	$0	0.00	$7,000	$7,000	$0	33.40
2552010a	Proc Controls (TARGET) - Expenses FY13	03-Sep-13	30-Sep-13	4.00	$0	0.00	$0	$231	$231	33.40
2552010b	Proc Controls (TARGET) - Expenses FY14	01-Oct-13	04-Dec-13	9.00	$0	0.00	$0	$519	$519	33.40
2552012	Program Target Controls	07-Oct-13	19-Dec-13	10.40	$10,834	4.00	$0	$10,834	$0	42.80
2552015	Fab Isolation Vac Pumping Sys (TARGET) (Previously Obligated)	03-Sep-13	12-Nov-13	10.20	$0	0.00	$11,509	$11,509	$0	25.80
2552015a	Fab Isolation Vac Pumping Sys (TARGET)	03-Sep-13	12-Nov-13	10.20	$0	0.00	$14,888	$14,888	$0	25.80
2552018a	Fab Outer Vac/Scattering Chamb (TARGET)	15-Oct-13	09-Dec-13	7.60	$13,901	7.00	$0	$24,767	$10,866	10.40
2552023aa	Fab Target Cells (TARGET) FY13	03-Sep-13	30-Sep-13	4.00	$665	0.36	$0	$896	$231	2.20
2552023aaa	Fab Target Cells (TARGET) FY14	01-Oct-13	17-Feb-14	17.80	$2,956	1.61	$0	$3,985	$1,029	2.20
2552028	Prepare Procurements/Fabrication Packages solid target (TARGET)	03-Feb-14	01-Apr-14	8.40	$26,395	12.60	$0	$26,395	$0	26.20
2552028a	Fabricate solid target (proc)	03-Apr-14	27-May-14	7.60	$0	0.00	$0	$14,800	$14,800	26.20
2552028b	Fabricate solid target (labor)	03-Apr-14	27-May-14	7.60	$19,558	10.00	$0	$19,558	$0	26.20
2552032	Manufacturing Drawings for cryo system (Target) FY13	03-Sep-13	30-Sep-13	4.00	$3,776	1.53	$0	$3,776	$0	20.00
2552032a	Manufacturing Drawings for cryo system (Target) FY14	01-Oct-13	14-Oct-13	2.00	$1,888	0.77	$0	$1,888	$0	20.00
2552033	Procure heat xchngr and cryo hardware	03-Sep-13	30-Sep-13	4.00	$0	0.00	$1,650	$1,650	$0	20.00
2552035	Fab Positioning/Mounting Sys (TARGET)	01-Nov-13	13-Jan-14	8.40	$0	0.00	$12,600	$16,200	$3,600	7.00
2552040	Assemble Target (TARGET)	18-Feb-14	18-Aug-14	25.60	$22,298	11.00	$0	$22,298	$0	2.20
1.5.5.3 BEAMLINE COMPONENTS		01-Oct-09	01-Apr-15	272.00	$701,385	368.27	$799,844	$1,505,326	$4,097	75.20
1553001	Engineering Support for Obtaining/Tstng Pair Spectrmtr Mag (BL Compnts)	01-Oct-10	11-Jan-11	13.00	$16,639	8.00	$0	$16,639	$0	135.60
1553001a	Prepare Procurements Packages 2011 (BL Compnts)	05-Jan-11	30-Sep-11	37.60	$25,810	12.00	$0	$25,810	$0	76.60
1553002	Prepare Procurements Packages 2012 (BL Compnts)	01-Feb-12	10-Jul-12	22.40	$39,950	18.00	$0	$39,950	$0	61.00
1553010E	FY10 Travel (BL Compnts)	01-Oct-09	30-Sep-10	49.60	$0	0.00	$0	$879	$879	4.00
1553011E	FY11 Travel (BL Compnts)	01-Oct-10	30-Sep-11	49.60	$0	0.00	$0	$907	$907	4.00
1553012E	FY12 Travel (BL Compnts)	03-Oct-11	28-Sep-12	49.40	$0	0.00	$0	$936	$936	4.00
1553013E	FY13 Travel (BL Compnts)	01-Oct-12	30-Aug-13	45.60	$0	0.00	$0	$888	$888	4.00
1553015	Proc Goniometer (BL Compnts)	26-Nov-12	28-May-13	24.60	$0	0.00	$169,026	$169,026	$0	5.00
1553017	Procure vacuum gauges and valves for tagger beamline	03-Jan-13	28-Mar-13	11.80	$0	0.00	$12,899	$12,899	$0	25.80
1553020	Write Control Software for Goniometer (BL Compnts)	29-May-13	23-Aug-13	12.40	$26,230	9.00	$0	$26,230	$0	5.00
1553030	Obtain Surplus Mag (BL Compnts)	01-Oct-10	11-Jan-11	13.00	$10,949	4.00	$0	$10,949	$0	135.60
1553031	Develop magnet gap modification	01-Aug-11	30-Sep-11	8.80	$36,682	16.00	$0	$36,682	$0	69.80
1553032	Fabricate magnet gap modification	03-Oct-11	03-Feb-12	16.20	$0	0.00	$12,383	$12,383	$0	69.80
1553033	Install magnet gap modification	04-May-12	06-Aug-12	13.00	$21,757	11.00	$0	$21,757	$0	57.20
1553034	Develop Pair Spec magnet support	05-Mar-12	03-May-12	8.80	$10,885	4.68	$0	$10,885	$0	53.40
1553034a	Procure Pair Spec magnet support	04-May-12	31-Aug-12	16.80	$0	0.00	$23,500	$23,500	$0	53.40
1553035	Proc Pair Spectrometer Mag Pwr Supply (BL Compnts)	03-Apr-12	31-Jan-13	41.20	$0	0.00	$48,298	$48,298	$0	33.60
1553036	Build Pair Spectrometer Vacuum Box Labor (BL Compnts) Labor	28-Feb-12	18-May-12	11.80	$5,333	3.00	$0	$5,333	$0	47.60



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Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
1553038	Build Pair Spectrometer Vacuum Box (BL Compnts)	09-Apr-12	02-Jul-12	11.80	$0	0.00	$26,500	$26,500	$0	47.60
1553040	Proc Pair Spectrometer Detctr's (BL Compnts) Part A	04-May-12	31-Dec-12	32.40	$0	0.00	$56,000	$56,000	$0	25.60
1553040a	Proc Pair Spectrometer Detctr's (BL Compnts) Part B	04-May-12	31-Dec-12	32.40	$0	0.00	$9,000	$9,000	$0	25.60
1553045	Manufacture, Mount and Test Pair Spectrometer Detctr's (BL Compnts)	07-Dec-12	29-Mar-13	14.60	$45,054	21.00	$0	$45,054	$0	25.60
1553048	Proc Pair convertor (BL Compnts) Labor Original	05-Jan-12	31-Jan-12	3.60	$2,378	1.11	$0	$2,378	$0	54.00
1553048a	Proc Pair convertor (BL Compnts) Labor Revised 2012 ETC	03-Feb-12	28-Sep-12	33.40	$14,793	6.89	$0	$14,793	$0	54.00
1553050	Proc Pair convertor (BL Compnts)	08-Apr-13	28-Jun-13	11.80	$0	0.00	$17,026	$17,026	$0	4.00
1553055	Assemble and Test Pair convertor (BL Compnts)	12-Jul-13	30-Aug-13	7.20	$28,251	11.25	$0	$28,251	$0	4.00
1553060	Proc Roughing Pump (BL Compnts)	08-Feb-13	13-Aug-13	26.00	$0	0.00	$6,037	$6,037	$0	6.60
1553065	Proc Active Collimator Compnts (BL Compnts)	05-Jan-12	10-Jul-12	26.00	$0	0.00	$11,700	$11,700	$0	71.60
1553070	Assemble Active Collimator (BL Compnts) FY12	11-Jul-12	28-Sep-12	11.40	$2,994	7.02	$0	$2,994	$0	71.60
1553070a	Assemble Active Collimator (BL Compnts) FY13	01-Oct-12	22-Jan-13	14.60	$3,957	8.98	$0	$3,957	$0	71.60
1553072	Program & test Collimator Table (BL Components) FY12	11-Jul-12	28-Sep-12	11.40	$7,202	6.06	$0	$7,202	$0	75.60
1553072a	Program & test Collimator Table (BL Components) FY13	01-Oct-12	14-Dec-12	10.60	$6,911	5.64	$0	$6,911	$0	75.60
1553075	Test Active Collimator (BL Compnts)	23-Jan-13	24-Apr-13	13.00	$7,046	32.00	$0	$7,046	$0	71.60
1553080	Proc Passive Collimator Sys (BL Compnts)	05-Jan-12	10-Jul-12	26.00	$0	0.00	$70,200	$70,200	$0	53.00
1553085	Design Primary Collimator Support (BL Compnts)	05-Jan-12	23-Mar-12	11.00	$21,195	11.00	$0	$21,195	$0	78.60
1553090	Fabricate Collimator Support (BL Compnts)	26-Mar-12	18-May-12	8.00	$0	0.00	$17,550	$17,550	$0	78.60
1553095	Purchase Lead for Cave Exit Wall (BL Compnts)	07-May-12	03-Aug-12	12.60	$0	0.00	$58,500	$58,500	$0	57.40
1553100	Prepare Environment for Sweep Magnets (BL Compnts)	18-Mar-11	26-May-11	10.00	$17,228	10.00	$0	$17,228	$0	110.40
1553105	Purchase Slow Control Crate (BL Compnts)	06-Jun-12	05-Sep-12	13.00	$0	0.00	$14,011	$14,011	$0	40.60
1553110	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($105,527)	($105,527)	$0	4.00
2553005	Proc Raw Radiator Diamond Crystals (BL Compnts)	01-Oct-13	20-Aug-14	43.80	$0	0.00	$37,440	$37,440	$0	75.40
2553010	Thinning-Characterization-Mounting of Radiator Diamond Crystals (BL Compnts) Phase 1	05-Dec-13	30-Sep-14	40.40	$0	0.00	$53,500	$53,500	$0	75.40
2553010a	Thinning-Characterization-Mounting of Radiator Diamond Crystals (BL Compnts)	01-Oct-14	01-Apr-15	24.00	$0	0.00	$30,000	$30,000	$0	75.40
2553011	Diamond contractor and procurements support (BL Compnts) FY13	03-Sep-13	30-Sep-13	4.00	$698	0.24	$0	$698	$0	0.00
2553011a	Diamond contractor and procurements support (BL Compnts) FY14	01-Oct-13	30-Sep-14	49.40	$8,613	2.96	$0	$8,613	$0	0.00
2553016	Build Vacuum Housing for Goniometer (BL Compnts)	04-Nov-13	06-Feb-14	11.60	$0	0.00	$24,147	$24,147	$0	14.20
2553017	Procure vacuum gauges and valves for tagger beamline	03-Sep-13	22-Oct-13	7.20	$0	0.00	$3,225	$3,225	$0	41.60
2553020	Write Control Software for Goniometer (BL Compnts)	02-Dec-13	06-Jun-14	25.00	$23,315	8.00	$0	$23,315	$0	5.40
2553027	Install Goniometer (BL Compnts)	23-Apr-14	19-Jun-14	8.20	$37,524	15.00	$0	$37,524	$0	3.60
2553029	Survey Goniometer (BL Compnts)	20-Jun-14	04-Sep-14	10.60	$29,838	11.00	$0	$29,838	$0	3.60
2553035	Proc Pair Spectrometer Mag Pwr Supply (BL Compnts)	03-Sep-13	30-Sep-13	4.00	$0	0.00	$74,300	$74,300	$0	7.20
2553036	Proc Parts for Pair Spectrometer	03-Sep-13	30-Sep-13	4.00	$0	0.00	$1,360	$1,360	$0	31.00
2553041	Build PS low granularity Support Frame	03-Sep-13	01-Oct-13	4.20	$0	0.00	$620	$620	$0	31.00
2553042	Fabricate PS High Granularity Counters	03-Sep-13	30-Sep-13	4.00	$7,619	3.80	$0	$7,619	$0	42.60
2553044	Build PS High granularity Support Frame	03-Oct-13	20-Dec-13	11.00	$0	0.00	$5,580	$5,580	$0	31.00
2553050	Proc Pair convertor insertion device (BL Compnts) (Previously Obligated)	03-Sep-13	12-Nov-13	10.20	$0	0.00	$13,325	$13,325	$0	21.60
2553052	Proc Pair convertor insertion device (BL Compnts)	03-Sep-13	12-Nov-13	10.20	$0	0.00	$3,702	$3,702	$0	21.60
2553055	Assemble and Test Pair convertor (BL Compnts)	26-Nov-13	18-Mar-14	14.00	$23,994	11.00	$0	$23,994	$0	21.60
2553057	Sientific support for Pair spectrometer characterization(BL Compnts) FY13	30-Sep-13	30-Sep-13	0.20	$150	0.05	$0	$150	$0	38.20
2553057a	Sientific support for Pair spectrometer characterization(BL Compnts) FY14	01-Oct-13	19-May-14	30.80	$23,165	7.95	$0	$23,165	$0	38.20
2553062	UConn Contract - Procure Readout Electronics for Active Collimator	03-Sep-13	28-Oct-13	8.00	$0	0.00	$6,000	$6,000	$0	30.00
2553063	UConn Contract - Assembly and Test of Active Collimator	03-Sep-13	20-Dec-13	15.40	$0	0.00	$6,192	$6,192	$0	30.00
2553064	UConn Contract - Delivery of Active Collimator to JLab	03-Sep-13	20-Dec-13	15.40	$0	0.00	$679	$679	$0	30.00
2553072a	Program & test Collimator Table (BL Components) FY13	03-Sep-13	30-Sep-13	4.00	$2,462	0.85	$0	$2,462	$0	31.20
2553072b	Program & test Collimator Table (BL Components) FY14	01-Oct-13	12-Dec-13	10.20	$6,279	2.16	$0	$6,279	$0	31.20
2553075	Test Active Collimator (BL Compnts)	08-Jul-14	02-Sep-14	8.00	$6,438	17.00	$0	$6,438	$0	4.00
2553080	Proc Active Collimator Control Equipment (HallD)	03-Sep-13	02-Jul-14	41.00	$0	0.00	$15,624	$15,624	$0	4.40
2553085	Support Control Active Collimator (HallD) FY13	03-Sep-13	30-Sep-13	4.00	$843	0.29	$0	$843	$0	4.00
2553085a	Support Control Active Collimator (HallD) FY14	01-Oct-13	07-Jul-14	37.40	$7,881	2.71	$0	$7,881	$0	4.00
2553090	Proc Hardware for Active Collimator Control (Accelerator Grp)	03-Sep-13	02-Jun-14	36.60	$0	0.00	$18,800	$18,800	$0	8.80
2553095	Design Install Feedback System for Active Collimator (Accelerator Grp) FY13	03-Sep-13	30-Sep-13	4.00	$4,618	2.24	$0	$4,618	$0	8.80
2553095a	Design Install Feedback System for Active Collimator (Accelerator Grp) FY14	01-Oct-13	02-Jun-14	32.60	$37,634	18.26	$0	$37,634	$0	8.80
2553110	Manufacturing Drawings for Goniometer vacuum chamber	03-Sep-13	30-Sep-13	4.00	$1,646	0.70	$0	$1,646	$0	19.00
2553125	Install mounting frame for low granularity PS detectors	21-Oct-13	20-Dec-13	8.60	$6,809	3.65	$0	$6,896	$87	31.00
2553130	Manufacturing Drawings of cooling system for PS detector	04-Oct-13	12-Dec-13	9.60	$18,442	7.99	$0	$18,442	$0	27.40

Primary Baseline | Remaining Work | Baseline Milestone
Actual Work | Critical Remaining Work | Milestone

TASK filter: All Activities

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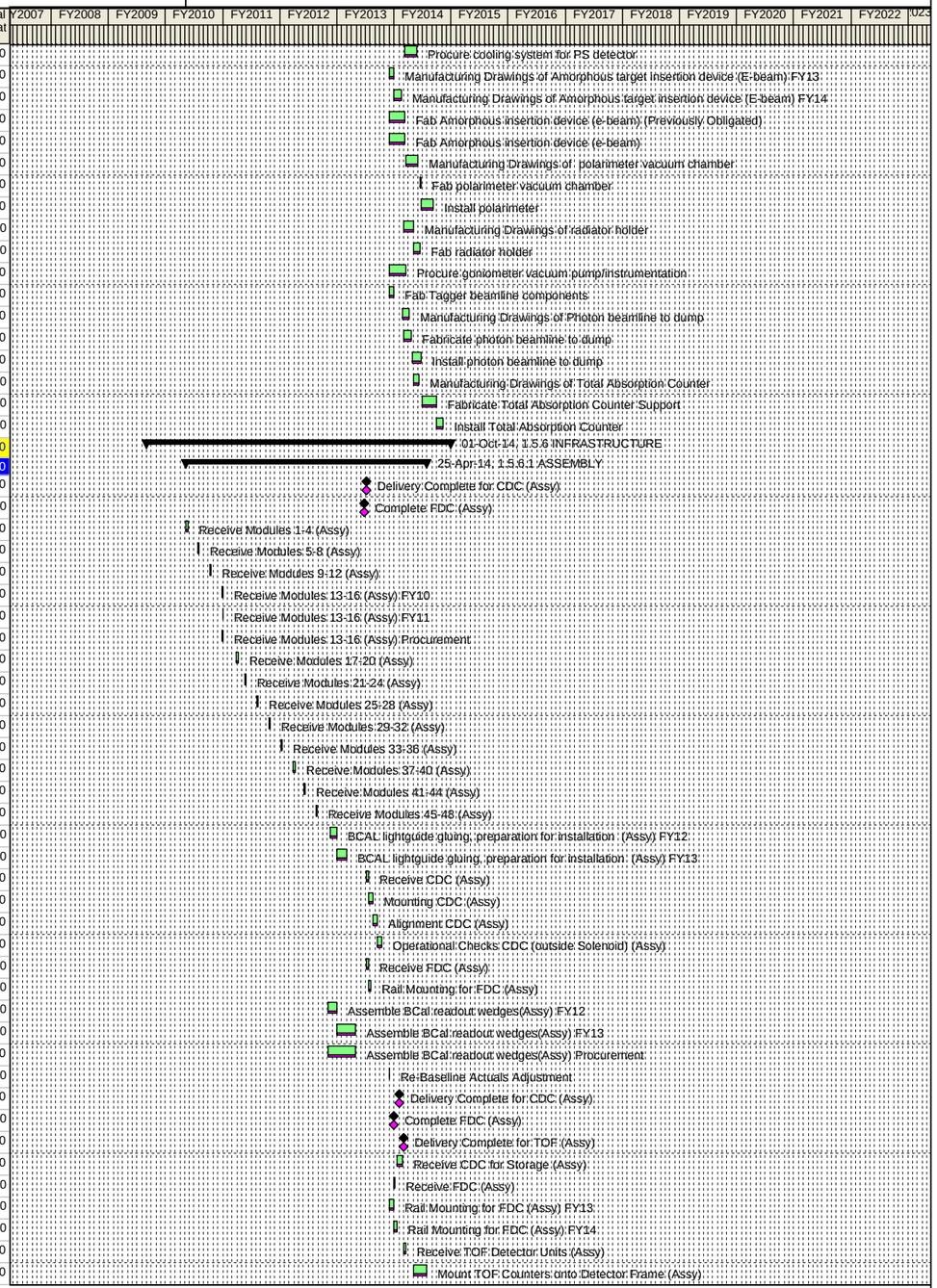
Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
2553135	Procure cooling system for PS detector	12-Dec-13	24-Feb-14	8.80	$0	0.00	$5,600	$5,600	$0	27.40
2553140	Manufacturing Drawings of Amorphous target insertion device (E-beam) FY13	03-Sep-13	30-Sep-13	4.00	$1,672	0.75	$0	$1,672	$0	23.40
2553140a	Manufacturing Drawings of Amorphous target insertion device (E-beam) FY14	01-Oct-13	14-Nov-13	6.60	$2,758	1.25	$0	$2,758	$0	23.40
2553145	Fab Amorphous insertion device (e-beam) (Previously Obligated)	03-Sep-13	11-Dec-13	14.00	$0	0.00	$15,066	$15,066	$0	23.40
2553147	Fab Amorphous insertion device (e-beam)	03-Sep-13	11-Dec-13	14.00	$0	0.00	$4,344	$4,344	$0	23.40
2553150	Manufacturing Drawings of polarimeter vacuum chamber	16-Dec-13	05-Mar-14	9.80	$20,614	9.00	$0	$20,614	$0	16.20
2553155	Fab polarimeter vacuum chamber	18-Mar-14	24-Mar-14	1.00	$0	0.00	$5,900	$5,900	$0	16.20
2553157	Install polarimeter	25-Mar-14	05-Jun-14	10.40	$6,573	3.00	$0	$6,773	$200	16.20
2553160	Manufacturing Drawings of radiator holder	05-Dec-13	03-Feb-14	6.80	$13,742	6.00	$0	$13,742	$0	3.60
2553165	Fab radiator holder	05-Feb-14	19-Mar-14	6.20	$0	0.00	$3,600	$3,600	$0	3.60
2553170	Procure goniometer vacuum pump/instrumentation	03-Sep-13	16-Dec-13	14.60	$0	0.00	$5,238	$5,238	$0	30.80
2553175	Fab Tagger beamline components	03-Sep-13	30-Sep-13	4.00	$1,651	0.90	$0	$1,651	$0	52.60
2553185	Manufacturing Drawings of Photon beamline to dump	26-Nov-13	07-Jan-14	4.20	$16,637	7.00	$0	$16,637	$0	26.60
2553190	Fabricate photon beamline to dump	02-Dec-13	22-Jan-14	5.80	$0	0.00	$12,200	$12,200	$0	26.60
2553195	Install photon beamline to dump	29-Jan-14	24-Mar-14	7.80	$9,660	5.20	$0	$9,760	$100	26.60
2553200	Manufacturing Drawings of Total Absorption Counter	05-Feb-14	10-Mar-14	4.80	$18,625	8.00	$0	$18,625	$0	7.00
2553205	Fabricate Total Absorption Counter Support	02-Apr-14	01-Jul-14	12.80	$0	0.00	$6,300	$6,300	$0	7.00
2553210	Install Total Absorption Counter	02-Jul-14	11-Aug-14	5.60	$10,242	4.70	$0	$10,342	$100	7.00
1.5.6 INFRASTRUCTURE		01-Jun-09	01-Oct-14	265.20	$3,834,817	1709.55	$1,714,840	$5,775,751	$226,093	99.80
1.5.6.1 ASSEMBLY		11-Feb-10	25-Apr-14	208.80	$327,816	158.58	($66,052)	$289,599	$27,835	12.80
1561040M	Delivery Complete for CDC (Assy)	05-Apr-13		0.00	$0	0.00	$0	$0	$0	10.80
1561050M	Complete FDC (Assy)	22-Mar-13		0.00	$0	0.00	$0	$0	$0	6.40
1561065	Receive Modules 1-4 (Assy)	11-Feb-10	18-Feb-10	1.00	$1,464	0.80	$2,417	$6,079	$2,198	129.20
1561070	Receive Modules 5-8 (Assy)	28-Apr-10	04-May-10	1.00	$1,464	0.80	$2,417	$6,079	$2,198	118.60
1561075	Receive Modules 9-12 (Assy)	13-Jul-10	19-Jul-10	1.00	$1,464	0.80	$2,417	$6,079	$2,198	108.20
1561080	Receive Modules 13-16 (Assy) FY10	27-Sep-10	30-Sep-10	0.80	$1,171	0.64	$0	$2,929	$1,758	97.60
1561080a	Receive Modules 13-16 (Assy) FY11	01-Oct-10	01-Oct-10	0.20	$302	0.16	$0	$756	$454	97.60
1561080b	Receive Modules 13-16 (Assy) Procurement	27-Sep-10	01-Oct-10	1.00	$0	0.00	$2,417	$2,417	$0	97.60
1561085	Receive Modules 17-20 (Assy)	30-Dec-10	06-Jan-11	1.00	$1,511	0.80	$2,494	$6,273	$2,268	85.40
1561090	Receive Modules 21-24 (Assy)	24-Feb-11	02-Mar-11	1.00	$1,511	0.80	$2,494	$6,273	$2,268	78.00
1561095	Receive Modules 25-28 (Assy)	11-May-11	17-May-11	1.00	$1,511	0.80	$2,494	$6,273	$2,268	67.20
1561100	Receive Modules 29-32 (Assy)	26-Jul-11	01-Aug-11	1.00	$1,511	0.80	$2,494	$6,273	$2,268	56.80
1561101	Receive Modules 33-36 (Assy)	10-Oct-11	14-Oct-11	1.00	$1,559	0.80	$2,574	$6,473	$2,340	46.20
1561102	Receive Modules 37-40 (Assy)	29-Dec-11	05-Jan-12	1.00	$1,559	0.80	$2,574	$6,473	$2,340	36.00
1561103	Receive Modules 41-44 (Assy)	08-Mar-12	14-Mar-12	1.00	$1,559	0.80	$2,574	$6,473	$2,340	26.60
1561104	Receive Modules 45-48 (Assy)	23-May-12	30-May-12	1.00	$1,559	0.80	$2,574	$6,473	$2,340	15.80
1561105	BCAL lightguide gluing, preparation for installation (Assy) FY12	21-Aug-12	28-Sep-12	5.60	$24,771	13.45	$0	$24,771	$0	4.40
1561105a	BCAL lightguide gluing, preparation for installation (Assy) FY13	01-Oct-12	30-Nov-12	8.60	$39,258	20.65	$0	$39,258	$0	4.40
1561110	Receive CDC (Assy)	05-Apr-13	18-Apr-13	2.00	$32,778	15.00	$2,656	$35,434	$0	10.80
1561115	Mounting CDC (Assy)	19-Apr-13	16-May-13	4.00	$13,126	6.00	$30,183	$43,310	$0	10.80
1561120	Alignment CDC (Assy)	17-May-13	14-Jun-13	4.00	$29,922	14.00	$0	$29,922	$0	10.80
1561125	Operational Checks CDC (outside Solenoid) (Assy)	17-Jun-13	15-Jul-13	4.00	$41,886	20.00	$0	$41,886	$0	10.80
1561140	Receive FDC (Assy)	09-Apr-13	22-Apr-13	2.00	$20,464	10.00	$0	$20,464	$0	4.00
1561145	Rail Mounting for FDC (Assy)	23-Apr-13	06-May-13	2.00	$27,050	10.68	$32,610	$59,660	$0	4.00
1561155	Assemble BCal readout wedges(Assy) FY12	03-Aug-12	28-Sep-12	8.00	$10,344	5.04	$0	$10,344	$0	4.00
1561155a	Assemble BCal readout wedges(Assy) FY13	01-Oct-12	30-Jan-13	15.80	$21,082	9.96	$0	$21,082	$0	4.00
1561155b	Assemble BCal readout wedges(Assy) Procurement	03-Aug-12	30-Jan-13	23.80	$0	0.00	$25,000	$25,000	$0	26.00
1561170	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($199,967)	($199,967)	$0	4.00
2561040M	Delivery Complete for CDC (Assy)	01-Nov-13		0.00	$0	0.00	$0	$0	$0	12.60
2561050M	Complete FDC (Assy)	01-Oct-13		0.00	$0	0.00	$0	$0	$0	0.20
2561060M	Delivery Complete for TOF (Assy)	02-Dec-13		0.00	$0	0.00	$0	$0	$0	13.80
2561110	Receive CDC for Storage (Assy)	24-Oct-13	27-Nov-13	5.00	$11,299	5.00	$2,656	$13,955	$0	12.60
2561140	Receive FDC (Assy)	02-Oct-13	08-Oct-13	1.00	$3,282	1.50	$0	$3,282	$0	0.00
2561145	Rail Mounting for FDC (Assy) FY13	05-Sep-13	30-Sep-13	3.60	$5,562	2.93	$0	$5,899	$338	0.00
2561145a	Rail Mounting for FDC (Assy) FY14	01-Oct-13	18-Oct-13	2.80	$4,326	2.28	$0	$4,588	$263	0.00
2561160	Receive TOF Detector Units (Assy)	02-Dec-13	13-Dec-13	2.00	$3,282	1.50	$0	$3,282	$0	13.80
2561165	Mount TOF Counters onto Detector Frame (Assy)	03-Feb-14	25-Apr-14	12.00	$21,238	11.00	$10,866	$32,104	$0	12.80



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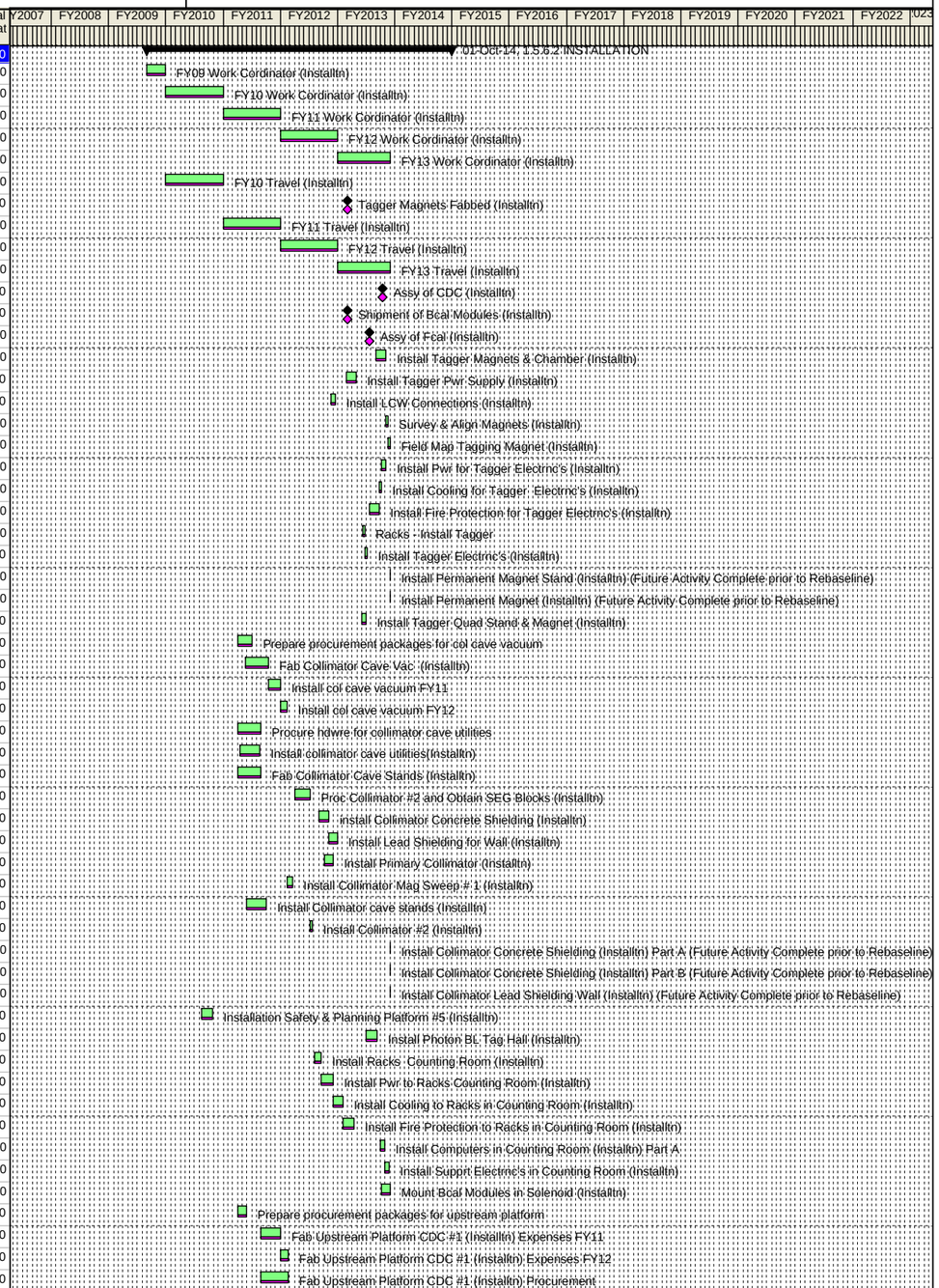
Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
1.5.6.2 INSTALLATION		01-Jun-09	01-Oct-14	265.20	$3,484,136	1537.47	$1,652,618	$5,335,012	$198,258	99.80
1562001LOE	FY09 Work Cordinator (Installtn)	01-Jun-09	30-Sep-09	17.20	$20,419	8.00	$0	$20,419	$0	4.00
1562002LOE	FY10 Work Cordinator (Installtn)	01-Oct-09	30-Sep-10	49.60	$115,896	44.00	$0	$115,896	$0	4.00
1562003LOE	FY11 Work Cordinator (Installtn)	01-Oct-10	30-Sep-11	49.60	$119,592	44.00	$0	$119,592	$0	4.00
1562004LOE	FY12 Work Cordinator (Installtn)	03-Oct-11	28-Sep-12	49.40	$123,411	44.00	$0	$123,411	$0	4.00
1562005LOE	FY13 Work Cordinator (Installtn)	01-Oct-12	30-Aug-13	45.60	$117,083	40.45	$0	$117,083	$0	4.00
1562010E	FY10 Travel (Installtn)	01-Oct-09	30-Sep-10	49.60	$0	0.00	$0	$1,319	$1,319	4.00
1562010M	Tagger Magnets Fabbed (Installtn)	04-Dec-12		0.00	$0	0.00	$0	$0	$0	28.20
1562011E	FY11 Travel (Installtn)	01-Oct-10	30-Sep-11	49.60	$0	0.00	$0	$1,361	$1,361	4.00
1562012E	FY12 Travel (Installtn)	03-Oct-11	28-Sep-12	49.40	$0	0.00	$0	$1,404	$1,404	4.00
1562013E	FY13 Travel (Installtn)	01-Oct-12	30-Aug-13	45.60	$0	0.00	$0	$1,332	$1,332	4.00
1562015M	Assy of CDC (Installtn)	16-Jul-13		0.00	$0	0.00	$0	$0	$0	10.80
1562020M	Shipment of Bcal Modules (Installtn)	03-Dec-12		0.00	$0	0.00	$0	$0	$0	33.20
1562025M	Assy of Fcal (Installtn)	22-Apr-13		0.00	$0	0.00	$0	$0	$0	8.80
1562045	Install Tagger Magnets & Chamber (Installtn)	04-Jun-13	06-Aug-13	9.00	$33,590	16.00	$31,391	$64,981	$0	4.00
1562050	Install Tagger Pwr Supply (Installtn)	28-Nov-12	29-Jan-13	7.60	$23,024	12.40	$12,073	$35,097	$0	49.40
1562055	Install LCW Connections (Installtn)	22-Aug-12	19-Sep-12	4.00	$11,693	6.00	$9,200	$20,893	$0	49.40
1562060	Survey & Align Magnets (Installtn)	07-Aug-13	20-Aug-13	2.00	$21,238	11.00	$0	$45,385	$24,147	4.00
1562061	Field Map Tagging Magnet (Installtn)	21-Aug-13	30-Aug-13	1.60	$2,584	5.87	$0	$2,584	$0	4.00
1562065	Install Pwr for Tagger Electrnc's (Installtn)	08-Jul-13	02-Aug-13	4.00	$0	0.00	$6,037	$6,037	$0	8.00
1562070	Install Cooling for Tagger Electrnc's (Installtn)	21-Jun-13	05-Jul-13	2.00	$0	0.00	$3,622	$3,622	$0	8.00
1562075	Install Fire Protection for Tagger Electrnc's (Installtn)	19-Apr-13	20-Jun-13	8.80	$0	0.00	$25,354	$25,354	$0	8.00
1562085	Racks - Install Tagger	11-Mar-13	22-Mar-13	2.00	$1,822	1.00	$0	$1,822	$0	8.00
1562090	Install Tagger Electrnc's (Installtn)	25-Mar-13	05-Apr-13	2.00	$11,512	6.20	$0	$16,341	$4,829	24.60
1562096	Install Permanent Magnet Stand (Installtn) (Future Activity Complete prior to Rebaseline)	30-Aug-13	30-Aug-13	0.20	$0	0.00	$0	$0	$0	4.00
1562097	Install Permanent Magnet (Installtn) (Future Activity Complete prior to Rebaseline)	30-Aug-13	30-Aug-13	0.20	$0	0.00	$0	$0	$0	4.00
1562098	Install Tagger Quad Stand & Magnet (Installtn)	01-Mar-13	29-Mar-13	4.20	$20,178	11.00	$0	$20,178	$0	65.00
1562099d	Prepare procurement packages for col cave vacuum	05-Jan-11	01-Apr-11	12.20	$20,374	10.00	$0	$20,374	$0	86.60
1562100	Fab Collimator Cave Vac (Installtn)	18-Feb-11	15-Jul-11	20.60	$0	0.00	$11,338	$11,338	$0	86.60
1562100b	Install col cave vacuum FY11	18-Jul-11	30-Sep-11	10.80	$16,047	8.89	$0	$16,047	$0	86.60
1562100ba	Install col cave vacuum FY12	03-Oct-11	14-Nov-11	6.20	$9,506	5.11	$0	$9,506	$0	86.60
1562101	Procure hdwre for collimator cave utilities	05-Jan-11	01-Jun-11	20.60	$0	0.00	$20,000	$20,000	$0	111.60
1562102	Install collimator cave utilities(Installtn)	20-Jan-11	20-May-11	17.20	$63,979	33.00	$0	$63,979	$0	111.20
1562105	Fab Collimator Cave Stands (Installtn)	05-Jan-11	01-Jun-11	20.60	$0	0.00	$11,338	$11,338	$0	109.80
1562110	Proc Collimator #2 and Obtain SEG Blocks (Installtn)	05-Jan-12	06-Apr-12	13.00	$2,339	1.20	$22,230	$24,569	$0	72.00
1562115	install Collimator Concrete Shielding (Installtn)	05-Jun-12	03-Aug-12	8.80	$13,620	7.00	$22,230	$35,850	$0	49.60
1562120	Install Lead Shielding for Wall (Installtn)	06-Aug-12	28-Sep-12	7.80	$28,416	14.00	$22,230	$50,646	$0	49.60
1562125	Install Primary Collimator (Installtn)	11-Jul-12	05-Sep-12	8.00	$13,470	7.00	$14,040	$27,510	$0	53.00
1562130	Install Collimator Mag Sweep # 1 (Installtn)	15-Nov-11	15-Dec-11	4.20	$13,470	7.00	$15,210	$28,680	$0	86.60
1562132	Install Collimator cave stands (Installtn)	03-Mar-11	30-Jun-11	17.00	$25,981	14.00	$0	$25,981	$0	109.80
1562135	Install Collimator #2 (Installtn)	09-Apr-12	20-Apr-12	2.00	$9,915	5.00	$17,550	$27,465	$0	72.00
1562140	Install Collimator Concrete Shielding (Installtn) Part A (Future Activity Complete prior to ...	30-Aug-13	30-Aug-13	0.20	$0	0.00	$0	$0	$0	4.00
1562140a	Install Collimator Concrete Shielding (Installtn) Part B (Future Activity Complete prior to ...	30-Aug-13	30-Aug-13	0.20	$0	0.00	$0	$0	$0	4.00
1562145	Install Collimator Lead Shielding Wall (Installtn) (Future Activity Complete prior to Rebas...	30-Aug-13	30-Aug-13	0.20	$0	0.00	$0	$0	$0	4.00
1562149	Installation Safety & Planning Platform #5 (Installtn)	17-May-10	27-Jul-10	10.00	$16,696	10.00	$0	$16,696	$0	68.00
1562180	Install Photon BL Tag Hall (Installtn)	01-Apr-13	11-Jun-13	10.20	$5,503	3.00	$3,018	$8,522	$0	65.00
1562185	Install Racks Counting Room (Installtn)	04-May-12	20-Jun-12	6.40	$7,675	4.20	$11,700	$19,375	$0	15.00
1562190	Install Pwr to Racks Counting Room (Installtn)	21-Jun-12	31-Aug-12	10.40	$0	0.00	$24,102	$24,102	$0	15.00
1562195	Install Cooling to Racks in Counting Room (Installtn)	04-Sep-12	02-Nov-12	8.80	$0	0.00	$3,510	$3,510	$0	15.00
1562200	Install Fire Protection to Racks in Counting Room (Installtn)	05-Nov-12	15-Jan-13	8.80	$0	0.00	$24,871	$24,871	$0	27.80
1562205	Install Computers in Counting Room (Installtn) Part A	01-Jul-13	29-Jul-13	4.00	$9,472	4.00	$0	$9,472	$0	4.80
1562210	Install Supprt Electrnc's in Counting Room (Installtn)	30-Jul-13	26-Aug-13	4.00	$0	0.00	$0	$12,073	$12,073	4.80
1562225	Mount Bcal Modules in Solenoid (Installtn)	09-Jul-13	30-Aug-13	7.80	$23,611	12.38	$0	$23,611	$0	4.00
1562237	Prepare procurement packages for upstream platform	05-Jan-11	28-Feb-11	7.40	$23,092	11.00	$0	$23,092	$0	47.20
1562240	Fab Upstream Platform CDC #1 (Installtn) Expenses FY11	31-May-11	30-Sep-11	17.40	$0	0.00	$0	$9,703	$9,703	34.40
1562240a	Fab Upstream Platform CDC #1 (Installtn) Expenses FY12	03-Oct-11	18-Nov-11	7.00	$0	0.00	$0	$4,028	$4,028	34.40
1562240b	Fab Upstream Platform CDC #1 (Installtn) Procurement	31-May-11	18-Nov-11	24.40	$0	0.00	$73,699	$73,699	$0	34.40



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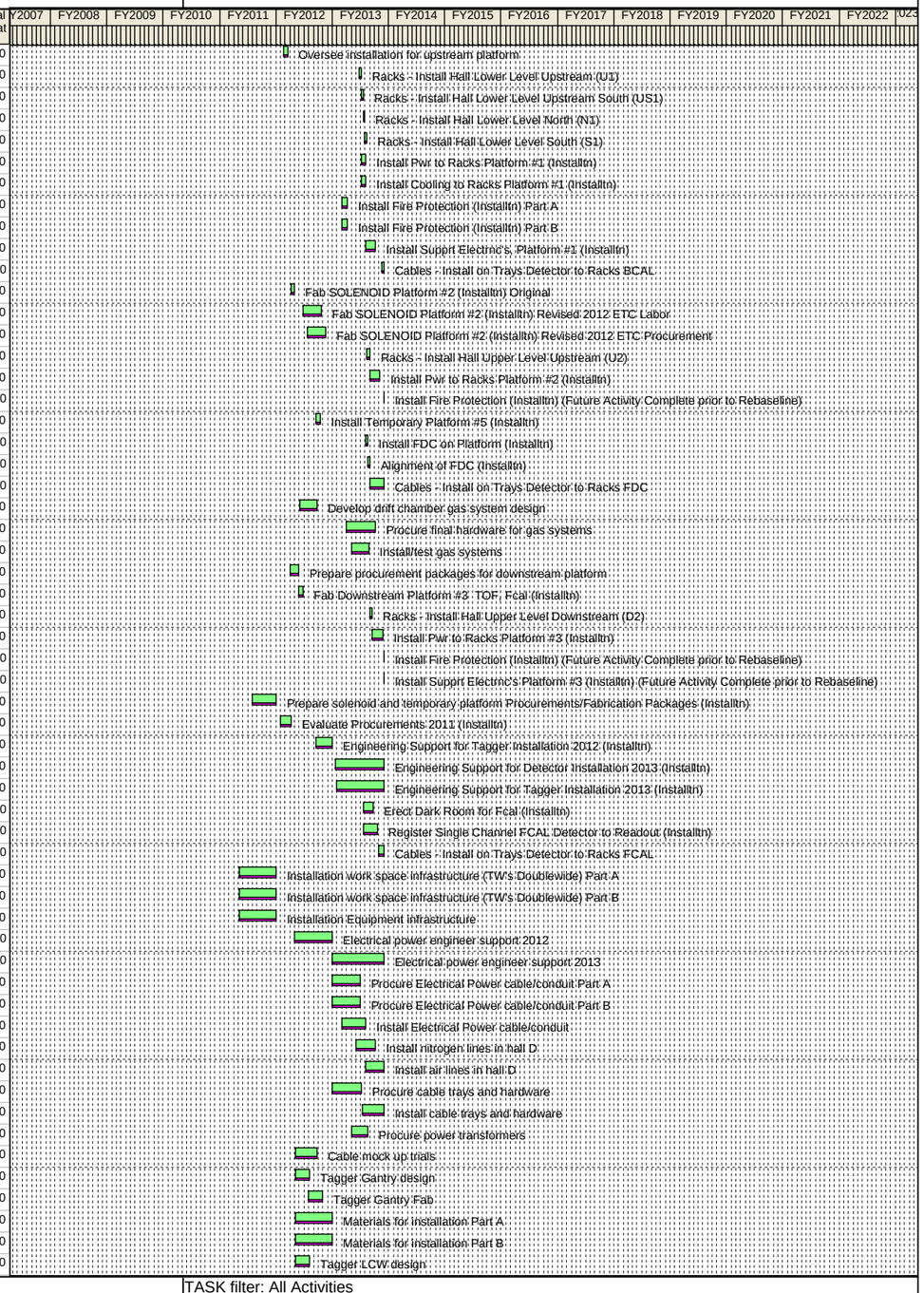
Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
1562242	Oversee installation for upstream platform	21-Nov-11	20-Dec-11	4.00	$14,647	7.00	$0	$14,647	$0	34.40
1562245	Racks - Install Hall Lower Level Upstream (U1)	25-Mar-13	05-Apr-13	2.00	$7,286	4.00	$0	$7,286	$0	20.60
1562246	Racks - Install Hall Lower Level Upstream South (US1)	08-Apr-13	19-Apr-13	2.00	$3,643	2.00	$0	$3,643	$0	54.80
1562247	Racks - Install Hall Lower Level North (N1)	22-Apr-13	01-May-13	1.60	$3,643	2.00	$0	$3,643	$0	54.80
1562248	Racks - Install Hall Lower Level South (S1)	02-May-13	15-May-13	2.00	$3,643	2.00	$0	$3,643	$0	54.80
1562250	Install Pwr to Racks Platform #1 (Installtn)	08-Apr-13	03-May-13	4.00	$14,573	8.00	$22,939	$37,512	$0	20.60
1562255	Install Cooling to Racks Platform #1 (Installtn)	08-Apr-13	03-May-13	4.00	$0	0.00	$36,220	$36,220	$0	20.60
1562260	Install Fire Protection (Installtn) Part A	04-Dec-12	08-Jan-13	4.00	$0	0.00	$12,796	$12,796	$0	61.20
1562260a	Install Fire Protection (Installtn) Part B	04-Dec-12	08-Jan-13	4.00	$0	0.00	$11,351	$11,351	$0	61.20
1562270	Install Supprt Electrnc's, Platform #1 (Installtn)	06-May-13	09-Jul-13	9.00	$10,930	6.00	$0	$19,381	$8,451	61.20
1562275	Cables - Install on Trays Detector to Racks BCAL	19-Aug-13	30-Aug-13	2.00	$3,363	1.85	$0	$3,363	$0	4.00
1562325	Fab SOLENOID Platform #2 (Installtn) Original	10-Jan-12	31-Jan-12	3.00	$3,914	1.97	$0	$3,914	$0	91.20
1562325a	Fab SOLENOID Platform #2 (Installtn) Revised 2012 ETC Labor	29-Mar-12	20-Jul-12	16.00	$6,001	3.03	$0	$6,001	$0	95.20
1562325b	Fab SOLENOID Platform #2 (Installtn) Revised 2012 ETC Procurement	26-Apr-12	17-Aug-12	16.00	$0	0.00	$40,950	$40,950	$0	91.20
1562330	Racks - Install Hall Upper Level Upstream (U2)	16-May-13	30-May-13	2.00	$7,286	4.00	$0	$7,286	$0	54.80
1562335	Install Pwr to Racks Platform #2 (Installtn)	31-May-13	02-Aug-13	9.00	$0	0.00	$36,220	$36,220	$0	57.60
1562345	Install Fire Protection (Installtn) (Future Activity Complete prior to Rebaseline)	30-Aug-13	30-Aug-13	0.20	$0	0.00	$0	$0	$0	4.00
1562359	Install Temporary Platform #5 (Installtn)	15-Jun-12	16-Jul-12	4.40	$0	0.00	$58,500	$58,500	$0	60.20
1562360	Install FDC on Platform (Installtn)	07-May-13	20-May-13	2.00	$7,240	3.60	$3,622	$10,862	$0	4.00
1562365	Alignment of FDC (Installtn)	21-May-13	04-Jun-13	2.00	$8,398	4.00	$0	$8,398	$0	4.00
1562370	Cables - Install on Trays Detector to Racks FDC	05-Jun-13	30-Aug-13	12.40	$10,425	5.72	$0	$10,425	$0	4.00
1562391	Develop drift chamber gas system design	05-Mar-12	26-Jun-12	16.00	$29,045	12.75	$0	$29,045	$0	42.60
1562392	Procure final hardware for gas systems	03-Jan-13	05-Jul-13	25.60	$0	0.00	$44,935	$44,935	$0	17.20
1562393	Install/test gas systems	05-Feb-13	29-May-13	16.00	$40,267	18.70	$0	$40,267	$0	17.20
1562394	Prepare procurement packages for downstream platform	05-Jan-12	29-Feb-12	7.60	$45,906	22.00	$0	$45,906	$0	114.00
1562395	Fab Downstream Platform #3 TOF, Fcal (Installtn)	01-Mar-12	28-Mar-12	4.00	$6,360	3.00	$64,350	$82,410	$11,700	114.00
1562400	Racks - Install Hall Upper Level Downstream (D2)	06-Jun-13	19-Jun-13	2.00	$7,286	4.00	$0	$7,286	$0	54.80
1562405	Install Pwr to Racks Platform #3 (Installtn)	20-Jun-13	22-Aug-13	9.00	$0	0.00	$24,147	$24,147	$0	54.80
1562413	Install Fire Protection (Installtn) (Future Activity Complete prior to Rebaseline)	30-Aug-13	30-Aug-13	0.20	$0	0.00	$0	$0	$0	4.00
1562420	Install Supprt Electrnc's Platform #3 (Installtn) (Future Activity Complete prior to Rebasel...	30-Aug-13	30-Aug-13	0.20	$0	0.00	$0	$0	$0	4.00
1562423	Prepare solenoid and temporary platform Procurements/Fabrication Packages (Installtn)	02-May-11	30-Sep-11	21.40	$61,806	29.00	$0	$61,806	$0	34.40
1562425	Evaluate Procurements 2011 (Installtn)	28-Oct-11	09-Jan-12	8.80	$7,536	3.00	$0	$7,536	$0	34.40
1562430	Engineering Support for Tagger Installation 2012 (Installtn)	19-Jun-12	28-Sep-12	14.60	$56,755	29.00	$0	$56,755	$0	42.00
1562435	Engineering Support for Detector Installation 2013 (Installtn)	24-Oct-12	30-Aug-13	42.20	$20,806	10.05	$0	$20,806	$0	42.00
1562440	Engineering Support for Tagger Installation 2013 (Installtn)	30-Oct-12	30-Aug-13	41.40	$22,778	11.00	$0	$22,778	$0	42.40
1562465	Erect Dark Room for Fcal (Installtn)	22-Apr-13	24-Jun-13	9.00	$30,117	14.80	$2,415	$32,532	$0	8.80
1562470	Register Single Channel FCAL Detector to Readout (Installtn)	22-Apr-13	23-Jul-13	13.00	$11,390	5.40	$0	$11,390	$0	4.80
1562475	Cables - Install on Trays Detector to Racks FCAL	30-Jul-13	30-Aug-13	4.80	$4,036	2.22	$0	$4,036	$0	4.00
1562595	Installation work space infrastructure (TW's Doublewide) Part A	04-Feb-11	30-Sep-11	33.40	$0	0.00	$58,000	$58,000	$0	148.60
1562595a	Installation work space infrastructure (TW's Doublewide) Part B	04-Feb-11	30-Sep-11	33.40	$0	0.00	$17,000	$17,000	$0	148.60
1562600	Installation Equipment infrastructure	04-Feb-11	30-Sep-11	33.40	$0	0.00	$25,000	$25,000	$0	148.60
1562605LOE	Electrical power engineer support 2012	01-Feb-12	28-Sep-12	33.80	$62,093	22.00	$0	$62,093	$0	4.00
1562610LOE	Electrical power engineer support 2013	01-Oct-12	30-Aug-13	45.60	$117,811	40.45	$0	$117,811	$0	4.00
1562620	Procure Electrical Power cable/conduit Part A	01-Oct-12	29-Mar-13	24.00	$0	0.00	$4,128	$4,128	$0	70.20
1562620a	Procure Electrical Power cable/conduit Part B	01-Oct-12	29-Mar-13	24.00	$0	0.00	$18,574	$18,574	$0	70.20
1562625	Install Electrical Power cable/conduit	03-Dec-12	03-May-13	20.40	$14,033	7.65	$0	$14,033	$0	70.20
1562630	Install nitrogen lines in hall D	04-Mar-13	08-Jul-13	17.80	$13,263	7.23	$0	$13,263	$0	61.40
1562635	Install air lines in hall D	03-May-13	30-Aug-13	16.80	$12,517	6.82	$0	$12,517	$0	53.60
1562640	Procure cable trays and hardware	01-Oct-12	05-Apr-13	25.00	$0	0.00	$10,319	$10,319	$0	53.60
1562645	Install cable trays and hardware	17-Apr-13	30-Aug-13	19.20	$11,975	6.53	$0	$11,975	$0	53.60
1562650	Procure power transformers	01-Feb-13	20-May-13	15.20	$0	0.00	$17,542	$17,542	$0	68.00
1562655	Cable mock up trials	03-Feb-12	26-Jun-12	20.00	$10,066	5.10	$0	$10,066	$0	112.60
1562660	Tagger Gantry design	03-Feb-12	04-May-12	13.00	$10,066	5.10	$0	$10,066	$0	107.60
1562665	Tagger Gantry Fab	30-Apr-12	31-Jul-12	13.00	$0	0.00	$42,000	$42,000	$0	107.60
1562670	Materials for installation Part A	03-Feb-12	28-Sep-12	33.40	$0	0.00	$47,500	$47,500	$0	99.20
1562670a	Materials for installation Part B	03-Feb-12	28-Sep-12	33.40	$0	0.00	$2,500	$2,500	$0	99.20
1562675	Tagger LCW design	03-Feb-12	04-May-12	13.00	$10,066	5.10	$0	$10,066	$0	70.00



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Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
1562680	Fiducialize and survey equipment (2012)	03-Feb-12	28-Sep-12	33.40	$9,939	5.10	$0	$12,439	$2,500	53.60
1562685	Fiducialize and survey equipment (2013)	01-Oct-12	30-Aug-13	45.60	$9,429	4.69	$0	$11,801	$2,372	53.60
1562690	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$397,786	$397,786	$0	4.00
2562000	Procured Labor (Bill Vulcan)	03-Sep-13	30-Sep-13	4.00	$0	0.00	$2,608	$2,608	$0	0.00
2562005LOE	FY13 Work Cordinator (Installtn)	03-Sep-13	30-Sep-13	4.00	$10,266	3.55	$0	$10,266	$0	0.40
2562006LOE	FY14 Work Cordinator (Installtn)	01-Oct-13	26-Sep-14	49.00	$127,354	44.00	$0	$127,354	$0	0.40
2562013E	FY13 Travel (Installtn)	03-Sep-13	30-Sep-13	4.00	$0	0.00	$0	$134	$134	0.00
2562014E	FY14 Travel (Installtn)	01-Oct-13	30-Sep-14	49.40	$0	0.00	$0	$1,000	$1,000	0.00
2562035M	Assy of TOF (Installtn)	02-Dec-13		0.00	$0	0.00	$0	$0	$0	32.60
2562045	Install Tagger Magnets & Chamber (Installtn) FY13	03-Sep-13	30-Sep-13	4.00	$4,658	2.26	$0	$7,592	$2,934	24.80
2562045a	Install Tagger Magnets & Chamber (Installtn) FY14	01-Oct-13	15-Oct-13	2.20	$2,562	1.25	$0	$4,176	$1,614	24.80
2562050	Install Tagger Pwr Supply (Installtn) FY13	03-Sep-13	30-Sep-13	4.00	$8,609	4.52	$0	$9,965	$1,356	8.80
2562050a	Install Tagger Pwr Supply (Installtn) FY14	01-Oct-13	10-Oct-13	1.60	$3,444	1.81	$0	$3,986	$543	8.80
2562060	Survey & Align tagger beamline (Installtn)	01-Nov-13	22-Nov-13	3.20	$2,818	1.39	$0	$2,818	$0	41.60
2562061	Field Map Tagging Magnet (Installtn)	01-Oct-13	09-Jan-14	12.60	$22,263	9.40	$0	$22,263	$0	24.80
2562063	Fab field map fixture tagging magnet	03-Sep-13	16-Oct-13	6.40	$0	0.00	$1,840	$1,840	$0	28.80
2562065	Install Pwr for Tagger Electrnc's (Installtn)	09-Jan-14	06-Feb-14	4.00	$7,002	3.70	$0	$7,002	$0	23.20
2562080	Install Hodoscope (Installtn)	02-Apr-14	15-Apr-14	2.00	$24,784	11.70	$0	$28,084	$3,300	13.40
2562085	Racks - Install Tagger FY13	03-Sep-13	30-Sep-13	4.00	$379	0.21	$0	$400	$21	33.80
2562085a	Racks - Install Tagger FY14	01-Oct-13	11-Oct-13	1.80	$170	0.09	$0	$180	$9	33.80
2562090	Install Tagger Electrnc's (Installtn)	07-Jan-14	21-Jan-14	2.00	$11,512	6.20	$0	$16,341	$4,829	25.60
2562091M	Tagger Ready For Beam (Installtn)		04-Sep-14	0.00	$0	0.00	$0	$0	$0	3.60
2562095	Cables - Install on Trays Detector to Racks Tagger	17-Apr-14	30-Apr-14	2.00	$3,643	2.00	$0	$3,643	$0	13.40
2562095a	Cables - Route and Connect on Detector Tagger	07-May-14	20-May-14	2.00	$3,643	2.00	$0	$3,643	$0	13.40
2562095b	Cables - Route on Racks Tagger	21-May-14	28-May-14	1.00	$1,822	1.00	$0	$1,822	$0	13.40
2562095c	Cables - Connect to Crate Electronics Tagger	29-May-14	11-Jun-14	2.00	$4,734	2.00	$0	$4,734	$0	13.40
2562098	Install Tagger Quad Stand & Magnet (Installtn)	18-Oct-13	30-Jan-14	12.80	$10,170	5.20	$0	$10,170	$0	34.00
2562099	Cables - Install on Trays Detector to Racks Pair Spectrometer	03-Sep-13	20-Sep-13	2.80	$3,643	2.00	$0	$3,643	$0	43.00
2562099a	Cables - Route and Connect on Detector Pair Spectrometer	06-Jan-14	17-Jan-14	2.00	$3,643	2.00	$0	$3,643	$0	30.00
2562099b	Cables - Route on Racks Pair Spectrometer	21-Jan-14	27-Jan-14	1.00	$1,822	1.00	$0	$1,822	$0	30.00
2562099c	Cables - Connect to Crate Electronics Pair Spectrometer	28-Jan-14	10-Feb-14	2.00	$4,734	2.00	$0	$4,734	$0	30.00
2562165	Install High Granularity Pair Spectrometer (Installtn)	29-Jan-14	18-Mar-14	7.00	$11,989	5.60	$0	$12,289	$300	27.40
2562170	Install Photon Beam Profiler (Installtn)	26-Mar-14	28-Apr-14	4.80	$12,076	5.10	$0	$12,176	$100	21.60
2562175	Install Hydrogen Target and Start Counter Inside Detector (Installtn)	02-Sep-14	15-Sep-14	2.00	$27,284	14.70	$0	$33,284	$6,000	2.20
2562180	Install Photon BL Tag Hall (Installtn)	22-Oct-13	22-Nov-13	4.80	$4,714	2.41	$1,690	$6,516	$112	41.60
2562181	Install Photon BL Colli. Cave (Installtn) - Procurement	03-Sep-13	20-Dec-13	15.40	$0	0.00	$1,751	$1,751	$0	38.00
2562181a	Install Photon BL Colli. Cave (Installtn) - Labor/Expenses FY13	03-Sep-13	30-Sep-13	4.00	$960	0.50	$0	$990	$30	38.00
2562181b	Install Photon BL Colli. Cave (Installtn) - Labor/Expenses FY14	01-Oct-13	20-Dec-13	11.40	$2,735	1.42	$0	$2,821	$86	38.00
2562205	Install NIM and CAEN Crates in Counting Room (Installtn)	21-Nov-13	20-Dec-13	4.00	$9,472	4.00	$0	$9,472	$0	3.40
2562206	Install Computers in Counting Room (Installtn) Part B	02-Jan-14	27-Jan-14	3.40	$9,472	4.00	$0	$9,472	$0	34.60
2562210	Install Supprt Electrnc's in Counting Room (Installtn)	02-Jan-14	30-Jan-14	4.00	$0	0.00	$0	$12,073	$12,073	3.40
2562214	Fab field map fixture for PS magnet	11-Oct-13	20-Dec-13	9.80	$0	0.00	$6,390	$6,390	$0	31.60
2562216	Field Map PS magnet	02-Jan-14	17-Feb-14	6.40	$11,871	5.20	$0	$11,871	$0	31.60
2562225	Mount Bcal in Solenoid (Installtn)	03-Sep-13	30-Sep-13	4.00	$14,422	7.20	$0	$17,422	$3,000	0.00
2562230	Attach readout wedges to the BCAL modules in situ (Installtn) FY13	03-Sep-13	30-Sep-13	4.00	$7,037	3.64	$0	$7,719	$682	35.80
2562230a	Attach readout wedges to the BCAL modules in situ (Installtn) FY14	01-Oct-13	20-Dec-13	11.40	$20,056	10.38	$0	$21,999	$1,943	35.80
2562231	Manufacturing Drawings of BCAL Lateral support	03-Oct-13	30-Oct-13	4.00	$5,172	2.20	$0	$5,172	$0	32.00
2562232	Fab BCAL lateral support	28-Oct-13	26-Nov-13	4.40	$0	0.00	$3,800	$3,800	$0	32.00
2562233	Install BCAL lateral support	16-Dec-13	29-Jan-14	4.80	$3,958	2.10	$0	$4,258	$300	32.00
2562235	Comp B-cal Assy (Installtn)	30-Jan-14	12-Feb-14	2.00	$9,286	4.60	$2,415	$11,701	$0	32.20
2562245	Racks - Install Hall Lower Level Upstream (U1)	01-Oct-13	10-Oct-13	1.60	$917	0.50	$0	$917	$0	32.40
2562246	Racks - Install Hall Lower Level Upstream South (US1)	21-Oct-13	21-Nov-13	4.80	$3,473	1.90	$0	$3,473	$0	39.80
2562250	Install Pwr to Racks Upstream Platform (Installtn) - Procurement	09-Sep-13	26-Nov-13	11.40	$0	0.00	$20,645	$20,645	$0	32.40
2562250a	Install Pwr to Racks Upstream Platform (Installtn) - Labor FY13	03-Sep-13	30-Sep-13	4.00	$4,602	2.53	$0	$4,602	$0	33.20
2562250b	Install Pwr to Racks Upstream Platform (Installtn) - Labor FY14	01-Oct-13	20-Nov-13	7.40	$8,514	4.67	$0	$8,514	$0	33.20
2562270	Install Supprt Electrnc's, Platform #1 (Installtn)	04-Nov-13	15-Jan-14	8.60	$10,930	6.00	$0	$19,381	$8,451	11.20
2562275	Cables - Install on Trays Detector to Racks BCAL FY13	27-Sep-13	30-Sep-13	0.40	$1,828	1.00	$0	$1,828	$0	11.60

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Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
2562275a	Cables - Route and Connect on Detector BCAL	28-Oct-13	06-Dec-13	5.60	$14,624	8.00	$0	$14,624	$0	12.60
2562275b	Cables - Route on Racks BCAL	18-Nov-13	20-Dec-13	4.60	$5,478	3.00	$0	$5,478	$0	12.60
2562275c	Cables - Connect to Crate Electronics BCAL	25-Nov-13	20-Dec-13	3.60	$8,377	4.00	$0	$8,377	$0	12.60
2562275d	Cables - Install on Trays Detector to Racks BCAL FY14	01-Oct-13	30-Oct-13	4.40	$20,108	11.00	$0	$20,108	$0	11.60
2562278	BCAL DAQ Control and Trigger set-up	05-Nov-13	14-Jan-14	8.20	$26,230	9.00	$0	$26,230	$0	12.60
2562280	Technical Support for Bcal Testing (Installtn)	10-Jan-14	23-Apr-14	14.60	$13,111	6.00	$0	$13,111	$0	3.40
2562281	Analyze BCAL Performance inside solenoid	15-Jan-14	01-Jul-14	23.60	$23,315	8.00	$0	$23,315	$0	12.60
2562290	Cables - Install on Trays Detector to Racks CDC	05-Dec-13	12-Dec-13	1.20	$9,134	5.00	$0	$9,134	$0	26.80
2562290a	Cables - Route and Connect on Detector CDC	09-Dec-13	15-Jan-14	4.00	$14,611	8.00	$0	$14,611	$0	26.80
2562290b	Cables - Route on Racks CDC	13-Jan-14	22-Jan-14	1.40	$3,643	2.00	$0	$3,643	$0	26.80
2562290c	Cables - Connect to Crate Electronics CDC	21-Jan-14	28-Jan-14	1.20	$6,556	3.00	$0	$6,556	$0	26.80
2562300	Mounting CDC on cart align and insert into solenoid (Installtn)	23-Jan-14	10-Feb-14	2.60	$16,041	7.00	$0	$16,041	$0	6.80
2562301	CDC mounting electronics and other connections in situ (Installtn)	11-Feb-14	03-Mar-14	3.00	$14,201	6.00	$0	$14,201	$0	6.80
2562303	Install FDC/CDC Alignment Check System (Installtn)	10-Feb-14	21-Feb-14	2.00	$10,232	5.00	$0	$10,232	$0	10.20
2562330	Racks - Install Hall Upper Level Upstream (U2)	03-Sep-13	30-Sep-13	4.00	$3,934	2.10	$0	$3,994	$60	35.80
2562335	Install Pwr to Racks Platform #2 (Installtn) - Procurement	03-Sep-13	20-Dec-13	15.40	$0	0.00	$29,338	$29,338	$0	38.00
2562335a	Install Pwr to Racks Platform #2 (Installtn) - Labor FY13	03-Sep-13	30-Sep-13	4.00	$2,052	1.09	$0	$2,052	$0	38.00
2562335b	Install Pwr to Racks Platform #2 (Installtn) - Labor FY14	01-Oct-13	20-Dec-13	11.40	$5,849	3.12	$0	$5,849	$0	38.00
2562355	Install Supprt Electrnc's Platform #2 (Installtn) - Procurement	03-Sep-13	04-Nov-13	9.00	$0	0.00	$8,451	$8,451	$0	44.40
2562355a	Install Supprt Electrnc's Platform #2 (Installtn) - Labor FY13	03-Sep-13	30-Sep-13	4.00	$4,892	2.67	$0	$4,892	$0	44.40
2562355b	Install Supprt Electrnc's Platform #2 (Installtn) - Labor FY14	01-Oct-13	04-Nov-13	5.00	$6,115	3.33	$0	$6,115	$0	44.40
2562360	Install FDC on Platform (Installtn)	07-Oct-13	14-Oct-13	1.20	$7,240	3.60	$3,622	$10,862	$0	0.00
2562365	Alignment of FDC (Installtn)	15-Oct-13	23-Oct-13	1.40	$8,398	4.00	$0	$8,398	$0	0.00
2562370	Cables - Install on Trays Detector to Racks FDC	04-Nov-13	03-Dec-13	4.00	$12,802	7.00	$0	$12,802	$0	0.00
2562370a	Cables - Route and Connect on Detector FDC	04-Nov-13	13-Dec-13	5.60	$10,930	6.00	$0	$10,930	$0	0.60
2562370b	Cables - Route on Racks FDC	09-Dec-13	07-Jan-14	2.80	$10,968	6.00	$0	$10,968	$0	0.60
2562370c	Cables - Connect to Crate Electronics FDC	09-Dec-13	25-Feb-14	9.60	$6,556	3.00	$0	$6,556	$0	0.60
2562380	Insertion of FDC (Installtn)	13-Jan-14	22-Jan-14	1.40	$17,352	8.20	$12,073	$29,425	$0	0.00
2562385	Cooling Sys Checks for FDC (Installtn)	23-Jan-14	03-Feb-14	1.60	$4,827	2.40	$0	$4,827	$0	0.00
2562392	Procure final hardware for Drift Chamber gas systems (Previously Obligated)	03-Sep-13	11-Oct-13	5.80	$0	0.00	$26,348	$26,348	$0	9.40
2562392a	Procure final hardware for Drift Chamber gas systems	03-Sep-13	11-Oct-13	5.80	$0	0.00	$26,852	$26,852	$0	9.40
2562393	Install/test gas systems	01-Nov-13	28-Jan-14	10.40	$63,268	31.68	$0	$63,796	$528	0.80
2562405	Install Pwr to FCAL/TOF Racks (Installtn)	03-Sep-13	18-Dec-13	15.00	$0	0.00	$19,559	$19,559	$0	0.00
2562420	Install Supprt Electrnc's FCAL/TOF Racks (Installtn)	03-Feb-14	31-Mar-14	8.20	$10,930	6.00	$0	$23,003	$12,073	25.60
2562435	Engineering Support for Detector Installation 2013 (Installtn)	03-Sep-13	30-Sep-13	4.00	$3,953	1.66	$0	$3,953	$0	25.80
2562440	Engineering Support for Tagger Installation 2013 (Installtn)	03-Sep-13	30-Sep-13	4.00	$1,990	0.94	$0	$1,990	$0	46.20
2562445	Engineering Support for Installation 2013 (Installtn)	03-Sep-13	30-Sep-13	4.00	$8,123	3.39	$0	$8,123	$0	3.80
2562445a	Engineering Support for Installation 2014 (Installtn)	01-Oct-13	03-Sep-14	45.60	$92,604	38.61	$0	$92,604	$0	3.80
2562450	Install TOF Sys (Installtn)	08-Apr-14	30-Apr-14	3.40	$11,645	6.10	$0	$12,845	$1,200	12.80
2562455	Cables - Install on Trays Detector to Racks TOF	01-May-14	07-May-14	1.00	$7,286	4.00	$0	$7,286	$0	12.80
2562455a	Cables - Route and Connect on Detector TOF	15-May-14	21-May-14	1.00	$7,286	4.00	$0	$7,286	$0	12.80
2562455b	Cables - Route on Racks TOF	22-May-14	29-May-14	1.00	$3,643	2.00	$0	$3,643	$0	12.80
2562455c	Cables - Connect to Crate Electronics TOF	30-May-14	02-Jun-14	0.40	$4,734	2.00	$0	$4,734	$0	12.80
2562460	Test TOF Sys (Installtn)	08-May-14	05-Jun-14	4.00	$20,398	10.00	$0	$20,398	$0	16.20
2562466	Install Dark Room for Fcal (Installtn)	03-Sep-13	30-Sep-13	4.00	$3,376	1.53	$0	$4,226	$850	15.80
2562475	Cables - Install on Trays Detector to Racks FCAL FY13 (FY14 @ 2562475d)	03-Sep-13	30-Sep-13	4.00	$6,749	3.69	$0	$6,749	$0	15.80
2562475a	Cables - Route and Connect on Detector FCAL FY13	03-Sep-13	30-Sep-13	4.00	$1,500	0.82	$0	$1,500	$0	16.60
2562475aa	Cables - Route and Connect on Detector FCAL FY14	01-Oct-13	25-Oct-13	3.80	$1,425	0.78	$0	$1,425	$0	16.60
2562475b	Cables - Route on Racks FCAL FY13	03-Sep-13	30-Sep-13	4.00	$950	0.52	$0	$950	$0	16.60
2562475ba	Cables - Route on Racks FCAL FY14	01-Oct-13	05-Nov-13	5.20	$1,236	0.68	$0	$1,236	$0	16.60
2562475c	Cables - Connect to Crate Electronics FCAL FY13	03-Sep-13	30-Sep-13	4.00	$846	0.39	$0	$846	$0	16.60
2562475ca	Cables - Connect to Crate Electronics FCAL FY14	01-Oct-13	27-Nov-13	8.40	$1,777	0.81	$0	$1,777	$0	16.60
2562475d	Cables - Install on Trays Detector to Racks FCAL FY14 (FY13 @ 2562475)	01-Oct-13	08-Oct-13	1.20	$2,025	1.11	$0	$2,025	$0	15.80
2562478	FCAL DAQ and Trigger_Setup FY13	03-Sep-13	30-Sep-13	4.00	$4,426	1.71	$0	$4,426	$0	16.60
2562478a	FCAL DAQ and Trigger_Setup FY14	01-Oct-13	27-Feb-14	19.40	$21,465	8.29	$0	$21,465	$0	16.60
2562480	Install Pulsing Sys for Fcal (Installtn) FY13	03-Sep-13	30-Sep-13	4.00	$764	0.35	$0	$2,136	$1,372	15.80
2562480a	Install Pulsing Sys for Fcal (Installtn) FY14	01-Oct-13	17-Mar-14	21.80	$4,164	1.90	$0	$11,642	$7,478	15.80

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Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
2562482	Test and analyze FCAL detector FY13	03-Sep-13	30-Sep-13	4.00	$2,217	0.76	$0	$2,217	$0	16.60
2562482a	Test and analyze FCAL detector FY14	01-Oct-13	03-Jun-14	32.80	$18,184	6.24	$0	$18,184	$0	16.60
2562485	Install Start Counter Onto LH Target (Installtn)	19-Aug-14	02-Sep-14	2.00	$17,295	6.90	$0	$17,295	$0	2.20
2562490	Cables - Install on Trays Detector to Racks Start Counter	18-Aug-14	19-Aug-14	0.40	$3,643	2.00	$0	$3,643	$0	3.80
2562490a	Cables - Route and Connect on Detector Start Counter	20-Aug-14	21-Aug-14	0.40	$3,643	2.00	$0	$3,643	$0	8.20
2562490b	Cables - Route on Racks Start Counter	22-Aug-14	25-Aug-14	0.40	$1,822	1.00	$0	$1,822	$0	8.20
2562490c	Cables - Connect to Crate Electronics Start Counter	26-Aug-14	27-Aug-14	0.40	$4,734	2.00	$0	$4,734	$0	8.20
2562495	Test Start Counter (Installtn)	20-Aug-14	03-Sep-14	2.00	$9,690	5.20	$0	$9,690	$0	3.80
2562505	Install Trigger Electrnc's (Installtn)	07-Jan-14	04-Feb-14	4.00	$9,108	5.00	$0	$9,108	$0	25.60
2562510	Check-out Trigger Electrnc's (Installtn)	10-Jul-14	03-Sep-14	7.80	$7,101	3.00	$0	$7,101	$0	3.80
2562515	Crates - Loaded (VME64x VXS HV LV) Install Hall Tagger	22-Apr-14	28-Apr-14	1.00	$3,643	2.00	$0	$3,643	$0	19.60
2562520	Crates - Loaded (VME64x VXS HV LV) Install Hall Pair Spectrometer	11-Feb-14	17-Feb-14	1.00	$3,643	2.00	$0	$3,643	$0	29.20
2562525	Crates - Loaded (VME64x VXS HV LV) Install Hal Start Counter	18-Feb-14	24-Feb-14	1.00	$3,643	2.00	$0	$3,643	$0	29.20
2562530	Crates - Loaded (VME64x VXS HV LV) Install Hall CDC	02-Jan-14	07-Feb-14	5.20	$7,286	4.00	$0	$7,286	$0	25.20
2562535	Crates - Loaded (VME64x VXS HV LV) Install Hall FDC	02-Dec-13	20-Feb-14	10.00	$14,573	8.00	$0	$14,573	$0	16.00
2562540	Crates - Loaded (VME64x VXS HV LV) Install Hall BCAL	16-Jan-14	30-Jan-14	2.00	$14,573	8.00	$0	$14,573	$0	16.00
2562545	Crates - Loaded (VME64x VXS HV LV) Install Hall TOF	31-Jan-14	06-Feb-14	1.00	$3,643	2.00	$0	$3,643	$0	29.00
2562595a	Installation work space infrastructure (TW's Doublewide)	03-Sep-13	30-Sep-14	53.40	$0	0.00	$5,800	$5,800	$0	0.00
2562610LOE	Electrical power engineer support 2013	03-Sep-13	30-Sep-13	4.00	$10,332	3.55	$0	$10,332	$0	49.00
2562615LOE	Electrical power engineer support 2014	01-Oct-13	30-Sep-14	49.40	$64,073	22.00	$0	$64,073	$0	49.00
2562620a	Procure Electrical Power cable/conduit Part B FY13	03-Sep-13	30-Sep-13	4.00	$0	0.00	$0	$24,064	$24,064	46.00
2562620aa	Procure Electrical Power cable/conduit Part B FY14	01-Oct-13	04-Oct-13	0.80	$0	0.00	$0	$4,813	$4,813	46.00
2562625	Install Electrical Dirty Power cable/conduit from Panels	04-Nov-13	20-Feb-14	13.60	$14,901	7.95	$0	$14,901	$0	31.00
2562626	Install Transformers and Panels in Hall D	03-Sep-13	27-Nov-13	12.40	$0	0.00	$43,349	$43,349	$0	32.00
2562630	Install nitrogen lines in hall D	11-Apr-14	16-May-14	5.20	$13,263	7.23	$0	$13,263	$0	18.80
2562635	Install air lines in hall D	07-Jan-14	11-Mar-14	9.00	$13,552	7.33	$0	$13,552	$0	28.40
2562636	Manufacture Drawing Inst Air Sys	15-Nov-13	02-Jan-14	5.00	$23,508	10.00	$0	$23,508	$0	31.80
2562637	Procure Inst Air Sys	03-Jan-14	14-Feb-14	6.00	$0	0.00	$0	$4,600	$4,600	31.80
2562640	Procure cable trays and hardware	03-Sep-13	30-Sep-13	4.00	$0	0.00	$1,238	$1,238	$0	24.80
2562645	Install cable trays and hardware FY13	03-Sep-13	30-Sep-13	4.00	$1,294	0.71	$0	$1,294	$0	24.80
2562645a	Install cable trays and hardware FY14	01-Oct-13	15-Nov-13	6.80	$2,199	1.20	$0	$2,199	$0	24.80
2562685	Fiducialize and survey equipment (2013)	03-Sep-13	30-Sep-13	4.00	$1,787	0.89	$0	$2,236	$449	49.40
2562690	Manufacturing Drawings of cooling system for FCAL dark room FY13	03-Sep-13	30-Sep-13	4.00	$731	0.32	$0	$731	$0	38.00
2562690a	Manufacturing Drawings of cooling system for FCAL dark room FY14	01-Oct-13	22-Oct-13	3.20	$585	0.26	$0	$585	$0	38.00
2562700	Install Cooling system for FCAL dark room	23-Oct-13	20-Nov-13	4.20	$6,082	3.20	$0	$6,082	$0	38.00
2562705	Manufacturing Drawings of Chilled water system for Hall D	03-Sep-13	18-Sep-13	2.40	$8,301	3.40	$0	$8,301	$0	26.80
2562710	Procure Chilled water components	03-Oct-13	18-Nov-13	6.60	$0	0.00	$9,800	$9,800	$0	24.80
2562715	Install Chilled water sytem Hall D	24-Oct-13	09-Jan-14	9.20	$14,184	7.60	$0	$14,184	$0	24.80
2562730	Install Upstream cable trays (FDC/CDC/SC) FY13	03-Sep-13	30-Sep-13	4.00	$4,747	2.48	$0	$4,747	$0	11.20
2562730a	Install Upstream cable trays (FDC/CDC/SC) FY14	01-Oct-13	11-Oct-13	1.80	$2,136	1.12	$0	$2,136	$0	11.20
2562740	Manufacturing Drawings of dry air cooling upstream racks/drift chambers	04-Oct-13	14-Nov-13	6.00	$23,817	9.70	$0	$23,817	$0	28.60
2562745	Fabricate dry air cooling system up racks/drift chambers	22-Oct-13	02-Dec-13	5.60	$0	0.00	$8,050	$8,050	$0	28.60
2562750	Install dry air cooling system up racks/drift chamber	17-Dec-13	11-Feb-14	6.40	$14,211	7.40	$0	$14,211	$0	24.80
2562770	Manufacturing Drawings of fixture for commissioning target	18-Oct-13	13-Jan-14	10.40	$23,508	10.00	$0	$23,508	$0	25.60
2562775	Fab Fixture for commissioning target	05-Dec-13	21-Feb-14	9.60	$0	0.00	$8,000	$8,000	$0	25.60
2562780	Install Commissioning target with Start Counter	03-Mar-14	31-Mar-14	4.20	$9,869	4.50	$0	$9,869	$0	25.60
2562785	Materials for install 2013 (Previously Obligated)	03-Sep-13	30-Sep-13	4.00	$0	0.00	$3,757	$3,757	$0	149.40
2562790	Materials for install 2013	03-Sep-13	30-Sep-13	4.00	$0	0.00	$2,953	$2,953	$0	149.40
2562805	Manufacturing Drawings of N2 purge system FY13	05-Sep-13	30-Sep-13	3.60	$8,297	3.53	$0	$8,297	$0	18.80
2562805a	Manufacturing Drawings of N2 purge system FY14	01-Oct-13	14-Nov-13	6.60	$15,211	6.47	$0	$15,211	$0	18.80
2562810	Procure N2 purge system	15-Oct-13	10-Jan-14	10.80	$0	0.00	$5,400	$5,400	$0	18.80
2562830	Install BCAL cooling manifold FY13	03-Sep-13	30-Sep-13	4.00	$3,867	2.05	$0	$3,867	$0	5.80
2562830a	Install BCAL cooling manifold FY14	01-Oct-13	28-Oct-13	4.00	$3,867	2.05	$0	$3,867	$0	5.80
2562835	Install PS shielding	04-Oct-13	15-Nov-13	6.20	$4,891	2.60	$0	$4,891	$0	42.60
2562840	Install dirty power cable/conduit tagger	04-Nov-13	20-Dec-13	6.60	$5,228	2.85	$0	$6,938	$1,710	30.80
2562845	Install Power cable/conduit tagger	02-Jan-14	18-Feb-14	6.60	$0	0.00	$0	$0	$0	30.80
2562850	Procure UPS system for critical controls	16-Oct-13	31-Jan-14	13.40	$0	0.00	$4,600	$4,600	$0	33.00

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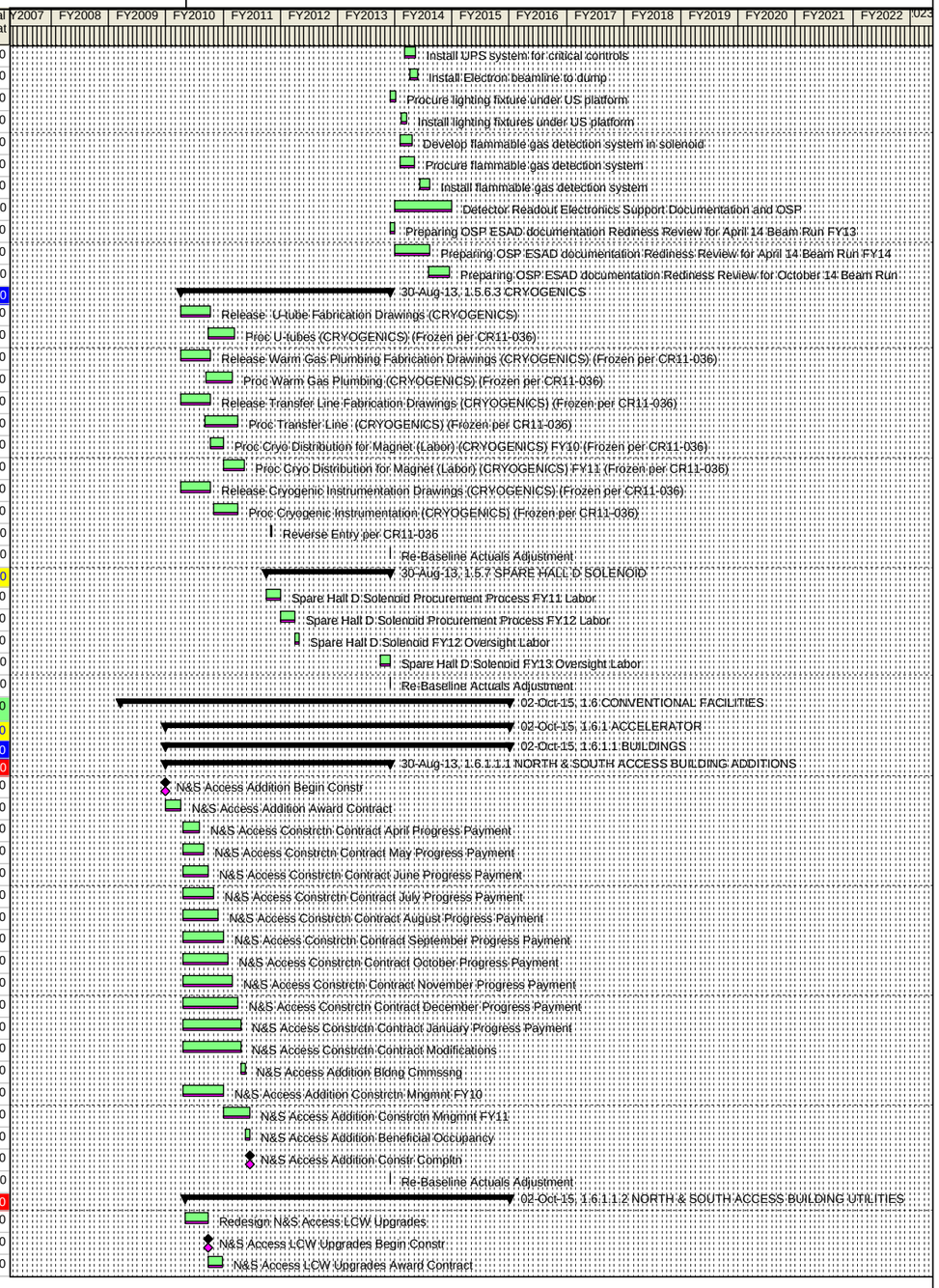
Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
2562855	Install UPS system for critical controls	04-Dec-13	06-Feb-14	7.60	$9,172	5.00	$0	$9,172	$0	33.00
2562860	Install Electron beamline to dump	08-Jan-14	20-Feb-14	6.20	$7,382	3.90	$0	$7,582	$200	31.00
2562865	Procure lighting fixture under US platform	03-Sep-13	04-Oct-13	4.80	$0	0.00	$550	$550	$0	24.80
2562870	Install lighting fixtures under US platform	12-Nov-13	16-Dec-13	4.60	$4,036	2.20	$0	$4,036	$0	24.80
2562875	Develop flammable gas detection system in solenoid	01-Nov-13	17-Jan-14	9.20	$18,844	7.70	$0	$18,844	$0	19.80
2562880	Procure flammable gas detection system	05-Nov-13	31-Jan-14	10.60	$0	0.00	$8,200	$8,200	$0	19.80
2562885	Install flammable gas detection system	10-Mar-14	09-May-14	9.00	$11,413	5.00	$0	$11,413	$0	19.80
2562890	Detector Readout Electronics Support Documentation and OSP	01-Oct-13	01-Oct-14	49.60	$136,376	45.00	$0	$136,376	$0	2.00
2562895	Preparing OSP ESAD documentation Rediness Review for April 14 Beam Run FY13	03-Sep-13	30-Sep-13	4.00	$11,643	4.03	$0	$11,916	$274	19.40
2562895a	Preparing OSP ESAD documentation Redinss Review for April 14 Beam Run FY14	01-Oct-13	13-May-14	30.00	$87,317	30.22	$0	$89,368	$2,051	19.40
2562900	Preparing OSP ESAD documentation Redinss Review for October 14 Beam Run	06-May-14	16-Sep-14	18.60	$100,948	30.00	$0	$103,448	$2,500	2.00
1.5.6.3 CRYOGENICS		05-Jan-10	30-Aug-13	182.20	$22,865	13.50	$128,275	$151,140	$0	4.00
1563005	Release U-tube Fabrication Drawings (CRYOGENICS)	05-Jan-10	09-Jul-10	26.00	$4,304	2.00	$0	$4,304	$0	88.60
1563006	Proc U-tubes (CRYOGENICS) (Frozen per CR11-036)	01-Jul-10	15-Dec-10	23.20	$0	0.00	$17,581	$17,581	$0	88.60
1563010	Release Warm Gas Plumbing Fabrication Drawings (CRYOGENICS) (Frozen per CR11-...	05-Jan-10	09-Jul-10	26.00	$19,610	11.00	$0	$19,610	$0	90.80
1563011	Proc Warm Gas Plumbing (CRYOGENICS) (Frozen per CR11-036)	16-Jun-10	30-Nov-10	23.20	$0	0.00	$17,581	$17,581	$0	90.80
1563015	Release Transfer Line Fabrication Drawings (CRYOGENICS) (Frozen per CR11-036)	05-Jan-10	09-Jul-10	26.00	$25,599	14.00	$0	$25,599	$0	81.60
1563016	Proc Transfer Line (CRYOGENICS) (Frozen per CR11-036)	04-Jun-10	30-Dec-10	28.20	$0	0.00	$68,125	$68,125	$0	87.40
1563017	Proc Cryo Distribution for Magnet (Labor) (CRYOGENICS) FY10 (Frozen per CR11-036)	12-Jul-10	30-Sep-10	11.60	$10,536	4.00	$0	$10,536	$0	81.60
1563017a	Proc Cryo Distribution for Magnet (Labor) (CRYOGENICS) FY11 (Frozen per CR11-036)	01-Oct-10	11-Feb-11	17.40	$16,308	6.00	$0	$16,308	$0	81.60
1563020	Release Cryogenic Instrumentation Drawings (CRYOGENICS) (Frozen per CR11-036)	05-Jan-10	09-Jul-10	26.00	$24,054	13.00	$0	$24,054	$0	87.40
1563025	Proc Cryogenic Instrumentation (CRYOGENICS) (Frozen per CR11-036)	02-Aug-10	30-Dec-10	20.20	$0	0.00	$5,494	$5,494	$0	87.40
1563030	Reverse Entry per CR11-036	01-Aug-11	05-Aug-11	1.00	($77,545)	-36.50	($108,780)	($186,325)	$0	7.80
1563035	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$128,275	$128,275	$0	4.00
1.5.7 SPARE HALL D SOLENOID		01-Jul-11	30-Aug-13	107.80	$117,480	25.82	($63,176)	$54,304	$0	4.00
157005	Spare Hall D Solenoid Procurement Process FY11 Labor	01-Jul-11	30-Sep-11	12.80	$28,035	6.40	$0	$28,035	$0	74.60
157010	Spare Hall D Solenoid Procurement Process FY12 Labor	03-Oct-11	30-Dec-11	11.60	$26,216	5.80	$0	$26,216	$0	74.60
157020	Spare Hall D Solenoid FY12 Oversight Labor	03-Jan-12	31-Jan-12	4.00	$9,040	2.00	$0	$9,040	$0	74.60
157030	Spare Hall D Solenoid FY13 Oversight Labor	01-Jul-13	30-Aug-13	8.80	$54,190	11.62	$0	$54,190	$0	4.00
157045	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($63,176)	($63,176)	$0	4.00
1.6 CONVENTIONAL FACILITIES		12-Dec-08	02-Oct-15	337.20	$1,603,378	752.49	$28,191,206	$29,817,490	$22,906	23.20
1.6.1 ACCELERATOR		01-Oct-09	02-Oct-15	297.60	$858,227	385.17	$4,483,245	$5,344,472	$3,000	11.20
1.6.1.1 BUILDINGS		01-Oct-09	02-Oct-15	297.60	$807,488	362.17	$3,945,600	$4,756,088	$3,000	11.20
1.6.1.1.1 NORTH & SOUTH ACCESS BUILDING ADDITIONS		01-Oct-09	30-Aug-13	194.20	$183,082	90.00	$1,380,706	$1,563,788	$0	4.00
16111000M	N&S Access Addition Begin Constr	01-Oct-09		0.00	$0	0.00	$0	$0	$0	32.40
16111005	N&S Access Addition Award Contract	01-Oct-09	04-Jan-10	12.00	$5,278	2.00	$0	$5,278	$0	55.60
16111010	N&S Access Constrctn Contract April Progress Payment	20-Jan-10	30-Apr-10	14.40	$0	0.00	$81,143	$81,143	$0	55.60
16111010A	N&S Access Constrctn Contract May Progress Payment	20-Jan-10	28-May-10	18.40	$0	0.00	$190,355	$190,355	$0	55.60
16111010B	N&S Access Constrctn Contract June Progress Payment	20-Jan-10	30-Jun-10	22.80	$0	0.00	$206,252	$206,252	$0	55.60
16111010C	N&S Access Constrctn Contract July Progress Payment	20-Jan-10	30-Jul-10	27.00	$0	0.00	$565,312	$565,312	$0	55.60
16111010D	N&S Access Constrctn Contract August Progress Payment	20-Jan-10	31-Aug-10	31.40	$0	0.00	$181,930	$181,930	$0	55.60
16111010G	N&S Access Constrctn Contract September Progress Payment	20-Jan-10	30-Sep-10	35.60	$0	0.00	$110,544	$110,544	$0	55.60
16111010H	N&S Access Constrctn Contract October Progress Payment	20-Jan-10	29-Oct-10	39.80	$0	0.00	$49,511	$49,511	$0	55.60
16111010J	N&S Access Constrctn Contract November Progress Payment	20-Jan-10	30-Nov-10	43.80	$0	0.00	$14,655	$14,655	$0	55.60
16111010K	N&S Access Constrctn Contract December Progress Payment	20-Jan-10	30-Dec-10	47.20	$0	0.00	$11,941	$11,941	$0	55.60
16111010N	N&S Access Constrctn Contract January Progress Payment	20-Jan-10	20-Jan-11	49.80	$0	0.00	$367	$367	$0	55.60
16111012	N&S Access Constrctn Contract Modifications	20-Jan-10	20-Jan-11	49.80	$0	0.00	$70,601	$70,601	$0	55.60
16111015	N&S Access Addition Bldng Cmmssng	21-Jan-11	17-Feb-11	4.00	$0	0.00	$4,683	$4,683	$0	55.60
16111020	N&S Access Addition Constrctn Mngmnt FY10	20-Jan-10	30-Sep-10	35.60	$104,875	52.97	$0	$104,875	$0	55.60
16111020a	N&S Access Addition Constrctn Mngmnt FY11	01-Oct-10	18-Mar-11	22.20	$67,484	33.03	$0	$67,484	$0	55.60
16111025	N&S Access Addition Beneficial Occupancy	18-Feb-11	18-Mar-11	4.00	$5,446	2.00	$0	$5,446	$0	55.60
16111030M	N&S Access Addition Constr Compltn		18-Mar-11	0.00	$0	0.00	$0	$0	$0	55.60
16111035	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($106,587)	($106,587)	$0	4.00
1.6.1.1.2 NORTH & SOUTH ACCESS BUILDING UTILITIES		02-Feb-10	02-Oct-15	281.80	$271,755	116.00	$728,191	$1,002,946	$3,000	11.20
16112000	Redesign N&S Access LCW Upgrades	02-Feb-10	30-Jun-10	21.00	$42,230	16.00	$0	$45,230	$3,000	98.40
16112000M	N&S Access LCW Upgrades Begin Constr	01-Jul-10		0.00	$0	0.00	$0	$0	$0	98.40
16112005	N&S Access LCW Upgrades Award Contract	01-Jul-10	24-Sep-10	12.00	$5,268	2.00	$0	$5,268	$0	98.40



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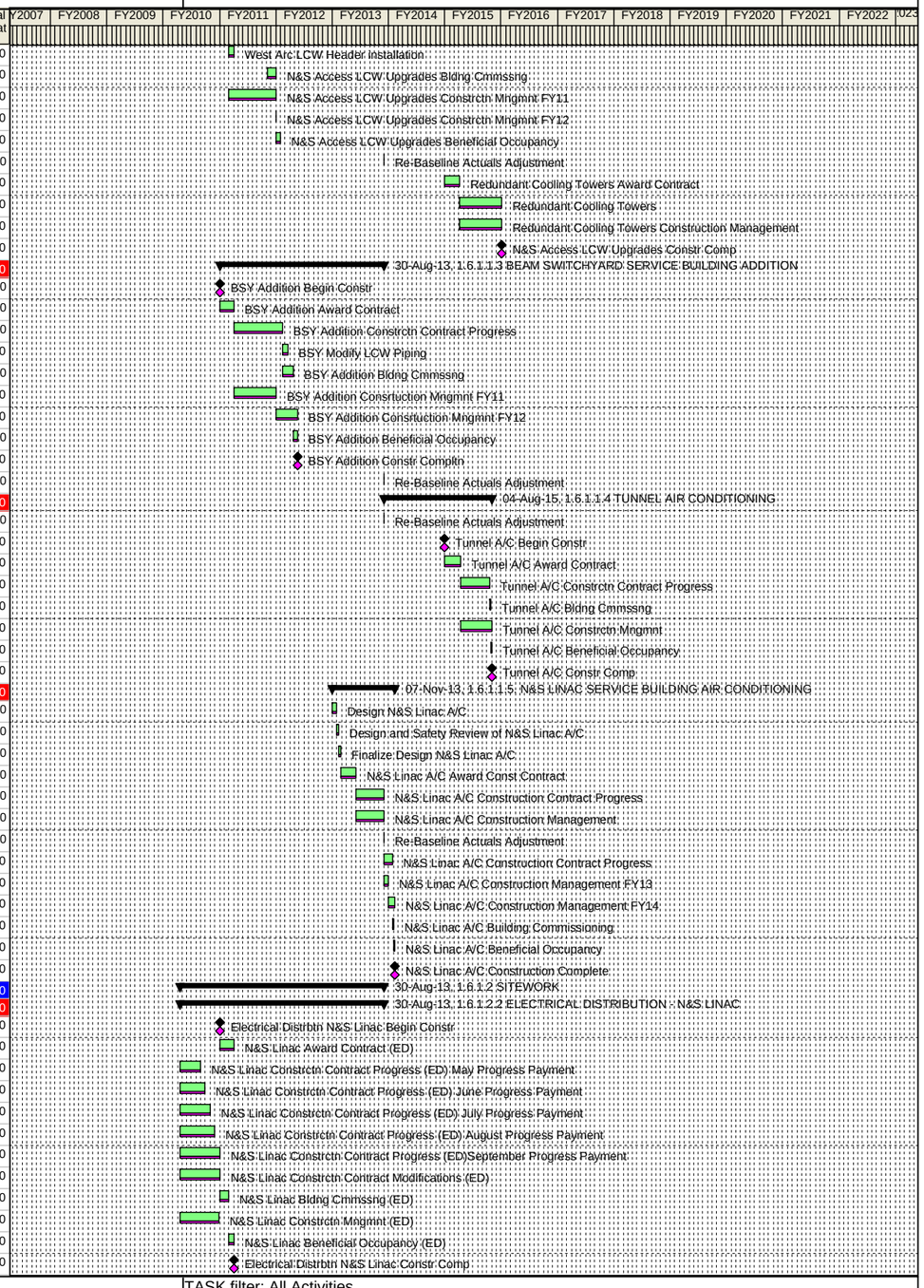
Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
16112010	West Arc LCW Header installation	01-Dec-10	30-Dec-10	3.40	$0	0.00	$250,000	$250,000	$0	125.00
16112015	N&S Access LCW Upgrades Bldng Cmmssng	05-Aug-11	30-Sep-11	8.00	$0	0.00	$45,353	$45,353	$0	95.00
16112020	N&S Access LCW Upgrades Constrctn Mngmnt FY11	01-Dec-10	30-Sep-11	41.40	$166,512	72.94	$0	$166,512	$0	98.40
16112020a	N&S Access LCW Upgrades Constrctn Mngmnt FY12	03-Oct-11	05-Oct-11	0.60	$2,490	1.06	$0	$2,490	$0	98.40
16112025	N&S Access LCW Upgrades Beneficial Occupancy	03-Oct-11	28-Oct-11	4.00	$5,610	2.00	$0	$5,610	$0	95.00
16112035	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$45,875	$45,875	$0	4.00
26112011	Redundant Cooling Towers Award Contract	01-Oct-14	06-Jan-15	12.00	$5,789	2.00	$0	$5,789	$0	11.20
26112012	Redundant Cooling Towers	07-Jan-15	02-Oct-15	37.60	$0	0.00	$386,963	$386,963	$0	11.20
26112013	Redundant Cooling Towers Construction Management	07-Jan-15	01-Oct-15	37.40	$43,856	20.00	$0	$43,856	$0	11.40
26112030M	N&S Access LCW Upgrades Constr Comp		02-Oct-15	0.00	$0	0.00	$0	$0	$0	11.20
1.6.1.1.3 BEAM SWITCHYARD SERVICE BUILDING ADDITION		01-Oct-10	30-Aug-13	144.60	$149,931	72.00	$120,095	$270,026	$0	114.60
16113000M	BSY Addition Begin Constr	01-Oct-10		0.00	$0	0.00	$0	$0	$0	9.80
16113005	BSY Addition Award Contract	01-Oct-10	04-Jan-11	12.00	$5,446	2.00	$0	$5,446	$0	9.80
16113010	BSY Addition Constrctn Contract Progress	05-Jan-11	15-Nov-11	44.00	$0	0.00	$208,626	$208,626	$0	9.80
16113012	BSY Modify LCW Piping	16-Nov-11	15-Dec-11	4.00	$6,360	3.00	$2,340	$8,700	$0	13.80
16113015	BSY Addition Bldng Cmmssng	16-Nov-11	23-Jan-12	8.00	$0	0.00	$4,832	$4,832	$0	9.80
16113020	BSY Addition Consrtuction Mngmnt FY11	05-Jan-11	30-Sep-11	37.60	$88,046	43.64	$0	$88,046	$0	191.20
16113020a	BSY Addition Consrtuction Mngmnt FY12	03-Oct-11	21-Feb-12	18.40	$44,460	21.36	$0	$44,460	$0	191.20
16113025	BSY Addition Beneficial Occupancy	24-Jan-12	21-Feb-12	4.00	$5,619	2.00	$0	$5,619	$0	9.80
16113030M	BSY Addition Constr Compltn		21-Feb-12	0.00	$0	0.00	$0	$0	$0	191.20
16113035	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($95,703)	($95,703)	$0	4.00
1.6.1.1.4 TUNNEL AIR CONDITIONING		30-Aug-13	04-Aug-15	95.20	$90,171	38.00	$1,405,457	$1,495,628	$0	19.60
16114035	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$22,326	$22,326	$0	4.00
26114000M	Tunnel A/C Begin Constr	01-Oct-14		0.00	$0	0.00	$0	$0	$0	19.60
26114005	Tunnel A/C Award Contract	01-Oct-14	13-Jan-15	13.00	$5,789	2.00	$0	$5,789	$0	19.60
26114010	Tunnel A/C Constrctn Contract Progress	14-Jan-15	21-Jul-15	26.20	$0	0.00	$1,368,184	$1,368,184	$0	19.60
26114015	Tunnel A/C Bldng Cmmssng	22-Jul-15	28-Jul-15	1.00	$0	0.00	$14,947	$14,947	$0	19.60
26114020	Tunnel A/C Constrctn Mngmnt	14-Jan-15	03-Aug-15	28.00	$78,594	34.00	$0	$78,594	$0	19.80
26114025	Tunnel A/C Beneficial Occupancy	29-Jul-15	04-Aug-15	1.00	$5,789	2.00	$0	$5,789	$0	19.60
26114030M	Tunnel A/C Constr Comp		04-Aug-15	0.00	$0	0.00	$0	$0	$0	19.60
1.6.1.1.5. N&S LINAC SERVICE BUILDING AIR CONDITIONING		01-Oct-12	07-Nov-13	55.20	$112,548	46.17	$311,151	$423,700	$0	105.00
16115005	Design N&S Linac A/C	01-Oct-12	26-Oct-12	4.00	$18,472	7.00	$0	$18,472	$0	4.00
16115010	Design and Safety Review of N&S Linac A/C	29-Oct-12	09-Nov-12	2.00	$2,894	1.00	$0	$2,894	$0	4.00
16115015	Finalize Design N&S Linac A/C	12-Nov-12	27-Nov-12	2.00	$10,694	4.00	$0	$10,694	$0	4.00
16115020	N&S Linac A/C Award Const Contract	28-Nov-12	01-Mar-13	12.00	$5,789	2.00	$0	$5,789	$0	4.00
16115025	N&S Linac A/C Construction Contract Progress	04-Mar-13	30-Aug-13	25.60	$0	0.00	$250,037	$250,037	$0	4.00
16115030	N&S Linac A/C Construction Management	04-Mar-13	30-Aug-13	25.60	$50,115	21.94	$0	$50,115	$0	4.00
16115050	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$8,480	$8,480	$0	4.00
26115025	N&S Linac A/C Construction Contract Progress	03-Sep-13	24-Oct-13	7.60	$0	0.00	$52,634	$52,634	$0	104.60
26115030	N&S Linac A/C Construction Management FY13	03-Sep-13	30-Sep-13	4.00	$7,831	3.43	$0	$7,831	$0	104.60
26115030a	N&S Linac A/C Construction Management FY14	01-Oct-13	07-Nov-13	5.60	$10,964	4.80	$0	$10,964	$0	104.60
26115035	N&S Linac A/C Building Commissioning	25-Oct-13	31-Oct-13	1.00	$2,894	1.00	$0	$2,894	$0	104.60
26115040	N&S Linac A/C Beneficial Occupancy	01-Nov-13	07-Nov-13	1.00	$2,894	1.00	$0	$2,894	$0	104.60
26115045M	N&S Linac A/C Construction Complete		07-Nov-13	0.00	$0	0.00	$0	$0	$0	104.60
1.6.1.2 SITEWORK		21-Jan-10	30-Aug-13	180.00	$50,739	23.00	$537,645	$588,385	$0	114.60
1.6.1.2.2 ELECTRICAL DISTRIBUTION - N&S LINAC		21-Jan-10	30-Aug-13	180.00	$50,739	23.00	$537,645	$588,385	$0	114.60
16122000M	Electrical Distrbtn N&S Linac Begin Constr	01-Oct-10		0.00	$0	0.00	$0	$0	$0	68.40
16122005	N&S Linac Award Contract (ED)	01-Oct-10	04-Jan-11	12.00	$5,470	2.00	$0	$5,470	$0	68.40
16122010	N&S Linac Constrctn Contract Progress (ED) May Progress Payment	21-Jan-10	28-May-10	18.20	$0	0.00	$5,399	$5,399	$0	65.80
16122010A	N&S Linac Constrctn Contract Progress (ED) June Progress Payment	21-Jan-10	30-Jun-10	22.60	$0	0.00	$51,585	$51,585	$0	65.80
16122010B	N&S Linac Constrctn Contract Progress (ED) July Progress Payment	21-Jan-10	30-Jul-10	26.80	$0	0.00	$123,003	$123,003	$0	65.80
16122010C	N&S Linac Constrctn Contract Progress (ED) August Progress Payment	21-Jan-10	31-Aug-10	31.20	$0	0.00	$322,250	$322,250	$0	65.80
16122010D	N&S Linac Constrctn Contract Progress (ED)September Progress Payment	21-Jan-10	30-Sep-10	35.40	$0	0.00	$14,763	$14,763	$0	65.80
16122012	N&S Linac Constrctn Contract Modifications (ED)	21-Jan-10	30-Sep-10	35.40	$0	0.00	$26,000	$26,000	$0	65.80
16122015	N&S Linac Bldng Cmmssng (ED)	01-Oct-10	29-Nov-10	8.00	$0	0.00	$11,701	$11,701	$0	65.80
16122020	N&S Linac Constrctn Mngmnt (ED)	21-Jan-10	24-Sep-10	34.60	$42,534	20.00	$0	$42,534	$0	260.00
16122025	N&S Linac Beneficial Occupancy (ED)	30-Nov-10	04-Jan-11	4.00	$2,735	1.00	$0	$2,735	$0	65.80
16122030M	Electrical Distrbtn N&S Linac Constr Comp		04-Jan-11	0.00	$0	0.00	$0	$0	$0	247.20



Primary Baseline | Remaining Work | Baseline Milestone
Actual Work | Critical Remaining Work | Milestone

TASK filter: All Activities

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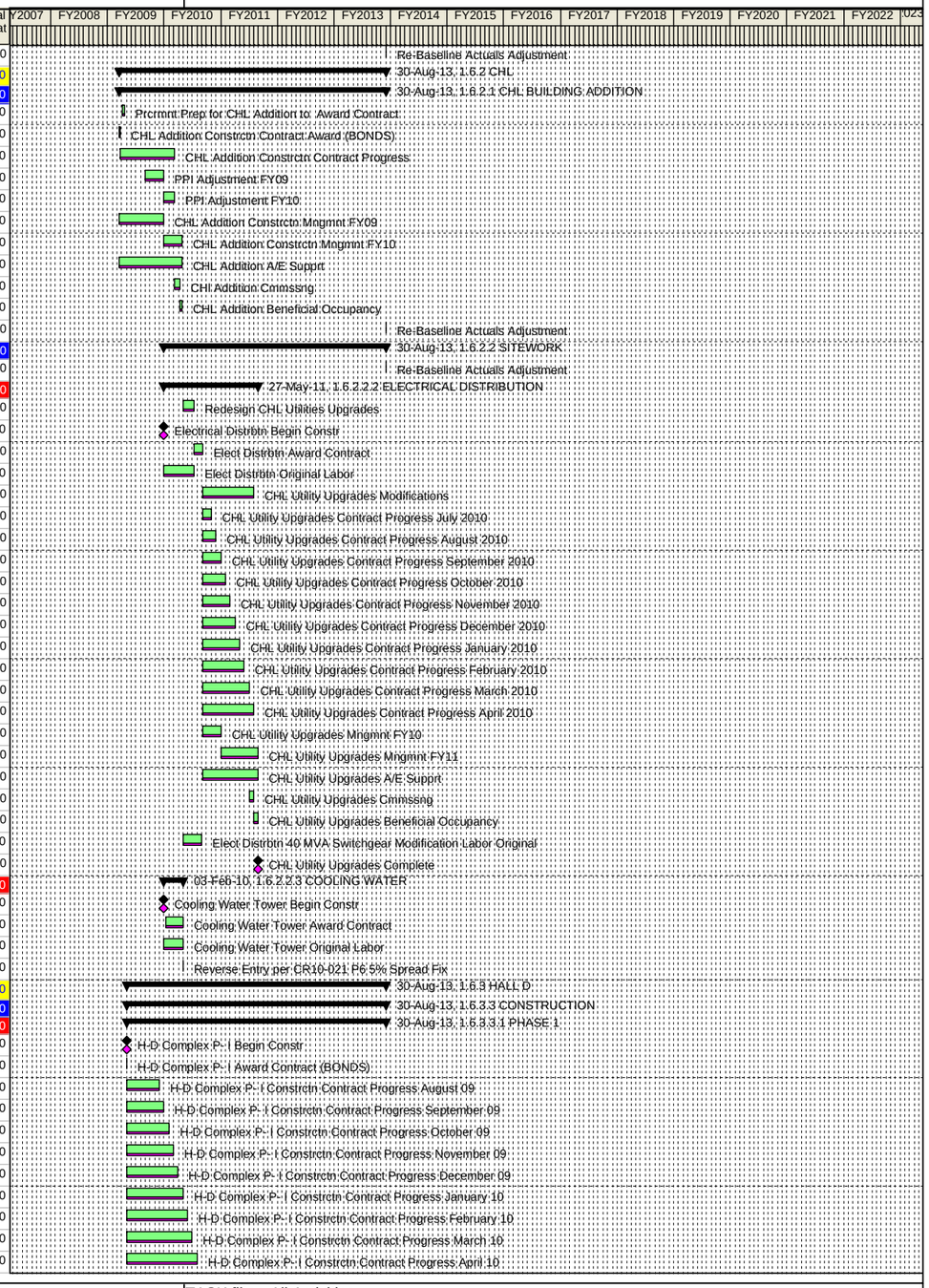
Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
16122035	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($17,056)	($17,056)	$0	4.00
1.6.2 CHL		12-Dec-08	30-Aug-13	233.80	$340,034	165.31	$3,952,717	$4,312,657	$19,906	114.60
1.6.2.1 CHL BUILDING ADDITION		12-Dec-08	30-Aug-13	233.80	$137,987	71.31	$1,634,829	$1,792,722	$19,906	114.60
1621005	Prcrmnt Prep for CHL Addition to Award Contract	02-Jan-09	16-Jan-09	2.20	$804	0.31	$0	$804	$0	14.40
1621009	CHL Addition Constrctn Contract Award (BONDS)	12-Dec-08	18-Dec-08	1.00	$0	0.00	$50,000	$50,000	$0	28.20
1621010	CHL Addition Constrctn Contract Progress	19-Dec-08	08-Dec-09	48.00	$0	0.00	$1,502,200	$1,502,200	$0	28.20
1621011LOE	PPI Adjustment FY09	01-Jun-09	30-Sep-09	17.20	$0	0.00	$0	$12,728	$12,728	115.00
1621011LOEb	PPI Adjustment FY10	01-Oct-09	08-Dec-09	9.40	$0	0.00	$0	$7,178	$7,178	115.00
1621015	CHL Addition Constrctn Mngmnt FY09	12-Dec-08	30-Sep-09	39.60	$97,834	51.33	$0	$97,834	$0	66.80
1621015b	CHL Addition Constrctn Mngmnt FY10	01-Oct-09	21-Jan-10	14.40	$36,711	18.67	$0	$36,711	$0	66.80
1621020	CHL Addition A/E Supprt	12-Dec-08	21-Jan-10	54.00	$0	0.00	$61,540	$61,540	$0	66.80
1621025	CHl Addition Cmmssng	09-Dec-09	13-Jan-10	4.00	$0	0.00	$19,784	$19,784	$0	115.00
1621030	CHL Addition Beneficial Occupancy	14-Jan-10	21-Jan-10	1.00	$2,639	1.00	$0	$2,639	$0	294.40
1621035	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$1,304	$1,304	$0	4.00
1.6.2.2 SITEWORK		01-Oct-09	30-Aug-13	194.20	$202,047	94.00	$2,317,888	$2,519,935	$0	4.00
1622000	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($145,496)	($145,496)	$0	4.00
1.6.2.2.2 ELECTRICAL DISTRIBUTION		01-Oct-09	27-May-11	81.80	$194,145	91.00	$2,463,384	$2,657,529	$0	4.60
16222000	Redesign CHL Utilities Upgrades	01-Feb-10	13-Apr-10	10.20	$26,395	10.00	$70,000	$96,395	$0	4.60
16222000M	Electrical Distrbtn Begin Constr	01-Oct-09		0.00	$0	0.00	$0	$0	$0	12.40
16222005	Elect Distrbtn Award Contract	14-Apr-10	09-Jun-10	8.00	$2,634	1.00	$0	$2,634	$0	4.60
16222007	Elect Distrbtn Original Labor	01-Oct-09	14-Apr-10	26.00	$5,302	2.00	$0	$5,302	$0	12.40
16222009	CHL Utility Upgrades Modifications	10-Jun-10	29-Apr-11	44.00	$0	0.00	$112,000	$112,000	$0	4.60
16222010	CHL Utility Upgrades Contract Progress July 2010	10-Jun-10	30-Jul-10	7.20	$0	0.00	$59,860	$59,860	$0	4.60
16222010A	CHL Utility Upgrades Contract Progress August 2010	10-Jun-10	31-Aug-10	11.60	$0	0.00	$112,880	$112,880	$0	4.60
16222010B	CHL Utility Upgrades Contract Progress September 2010	10-Jun-10	30-Sep-10	15.80	$0	0.00	$87,580	$87,580	$0	4.60
16222010C	CHL Utility Upgrades Contract Progress October 2010	10-Jun-10	29-Oct-10	20.00	$0	0.00	$83,270	$83,270	$0	4.60
16222010D	CHL Utility Upgrades Contract Progress November 2010	10-Jun-10	30-Nov-10	24.00	$0	0.00	$505,450	$505,450	$0	4.60
16222010F	CHL Utility Upgrades Contract Progress December 2010	10-Jun-10	30-Dec-10	27.40	$0	0.00	$609,380	$609,380	$0	4.60
16222010G	CHL Utility Upgrades Contract Progress January 2010	10-Jun-10	31-Jan-11	31.40	$0	0.00	$413,000	$413,000	$0	4.60
16222010H	CHL Utility Upgrades Contract Progress February 2010	10-Jun-10	28-Feb-11	35.20	$0	0.00	$175,780	$175,780	$0	4.60
16222010J	CHL Utility Upgrades Contract Progress March 2010	10-Jun-10	31-Mar-11	39.80	$0	0.00	$124,650	$124,650	$0	4.60
16222010K	CHL Utility Upgrades Contract Progress April 2010	10-Jun-10	29-Apr-11	44.00	$0	0.00	$65,150	$65,150	$0	4.60
16222015	CHL Utility Upgrades Mngmnt FY10	10-Jun-10	30-Sep-10	15.80	$44,860	22.58	$0	$44,860	$0	4.60
16222015a	CHL Utility Upgrades Mngmnt FY11	01-Oct-10	27-May-11	32.20	$94,340	46.01	$0	$94,340	$0	4.60
16222020	CHL Utility Upgrades A/E Supprt	10-Jun-10	27-May-11	48.00	$0	0.00	$28,000	$28,000	$0	4.60
16222025	CHL Utility Upgrades Cmmssng	04-Apr-11	29-Apr-11	4.00	$0	0.00	$16,384	$16,384	$0	4.60
16222030	CHL Utility Upgrades Beneficial Occupancy	02-May-11	27-May-11	4.00	$5,436	2.00	$0	$5,436	$0	4.60
16222032	Elect Distrbtn 40 MVA Switchgear Modification Labor Original	01-Feb-10	28-May-10	16.80	$15,178	7.41	$0	$15,178	$0	54.00
16222035M	CHL Utility Upgrades Complete		27-May-11	0.00	$0	0.00	$0	$0	$0	4.60
1.6.2.2.3 COOLING WATER		01-Oct-09	03-Feb-10	16.20	$7,902	3.00	$0	$7,902	$0	70.20
16223000M	Cooling Water Tower Begin Constr	01-Oct-09		0.00	$0	0.00	$0	$0	$0	70.40
16223005	Cooling Water Tower Award Contract	15-Oct-09	02-Feb-10	14.00	$2,634	1.00	$0	$2,634	$0	70.40
16223007	Cooling Water Tower Original Labor	01-Oct-09	02-Feb-10	16.00	$5,268	2.00	$141,854	$147,122	$0	70.40
16223008	Reverse Entry per CR10-021 P6 5% Spread Fix	03-Feb-10	03-Feb-10	0.20	$0	0.00	($141,854)	($141,854)	$0	33.40
1.6.3 HALL D		02-Feb-09	30-Aug-13	228.00	$405,117	202.00	$19,755,244	$20,160,361	$0	126.60
1.6.3.3 CONSTRUCTION		02-Feb-09	30-Aug-13	228.00	$405,117	202.00	$19,755,244	$20,160,361	$0	126.60
1.6.3.3.1 PHASE 1		02-Feb-09	30-Aug-13	228.00	$79,045	42.00	$9,511,222	$9,590,267	$0	114.60
16331000M	H-D Complex P- I Begin Constr	02-Feb-09		0.00	$0	0.00	$0	$0	$0	12.40
16331005	H-D Complex P- I Award Contract (BONDS)	02-Feb-09	02-Feb-09	0.20	$0	0.00	$125,000	$125,000	$0	12.40
16331010	H-D Complex P- I Constrctn Contract Progress August 09	03-Feb-09	31-Aug-09	29.40	$0	0.00	$987,759	$987,759	$0	50.60
16331010A	H-D Complex P- I Constrctn Contract Progress September 09	03-Feb-09	30-Sep-09	33.60	$0	0.00	$216,955	$216,955	$0	46.40
16331010B	H-D Complex P- I Constrctn Contract Progress October 09	03-Feb-09	30-Oct-09	38.00	$0	0.00	$300,400	$300,400	$0	42.00
16331010C	H-D Complex P- I Constrctn Contract Progress November 09	03-Feb-09	30-Nov-09	41.80	$0	0.00	$508,966	$508,966	$0	38.20
16331010D	H-D Complex P- I Constrctn Contract Progress December 09	03-Feb-09	30-Dec-09	45.20	$0	0.00	$799,325	$799,325	$0	34.80
16331010F	H-D Complex P- I Constrctn Contract Progress January 10	03-Feb-09	29-Jan-10	49.20	$0	0.00	$633,143	$633,143	$0	30.80
16331010G	H-D Complex P- I Constrctn Contract Progress February 10	03-Feb-09	26-Feb-10	53.00	$0	0.00	$229,811	$229,811	$0	27.00
16331010H	H-D Complex P- I Constrctn Contract Progress March 10	03-Feb-09	31-Mar-10	57.60	$0	0.00	$393,348	$393,348	$0	22.40
16331010J	H-D Complex P- I Constrctn Contract Progress April 10	03-Feb-09	30-Apr-10	62.00	$0	0.00	$567,231	$567,231	$0	18.00



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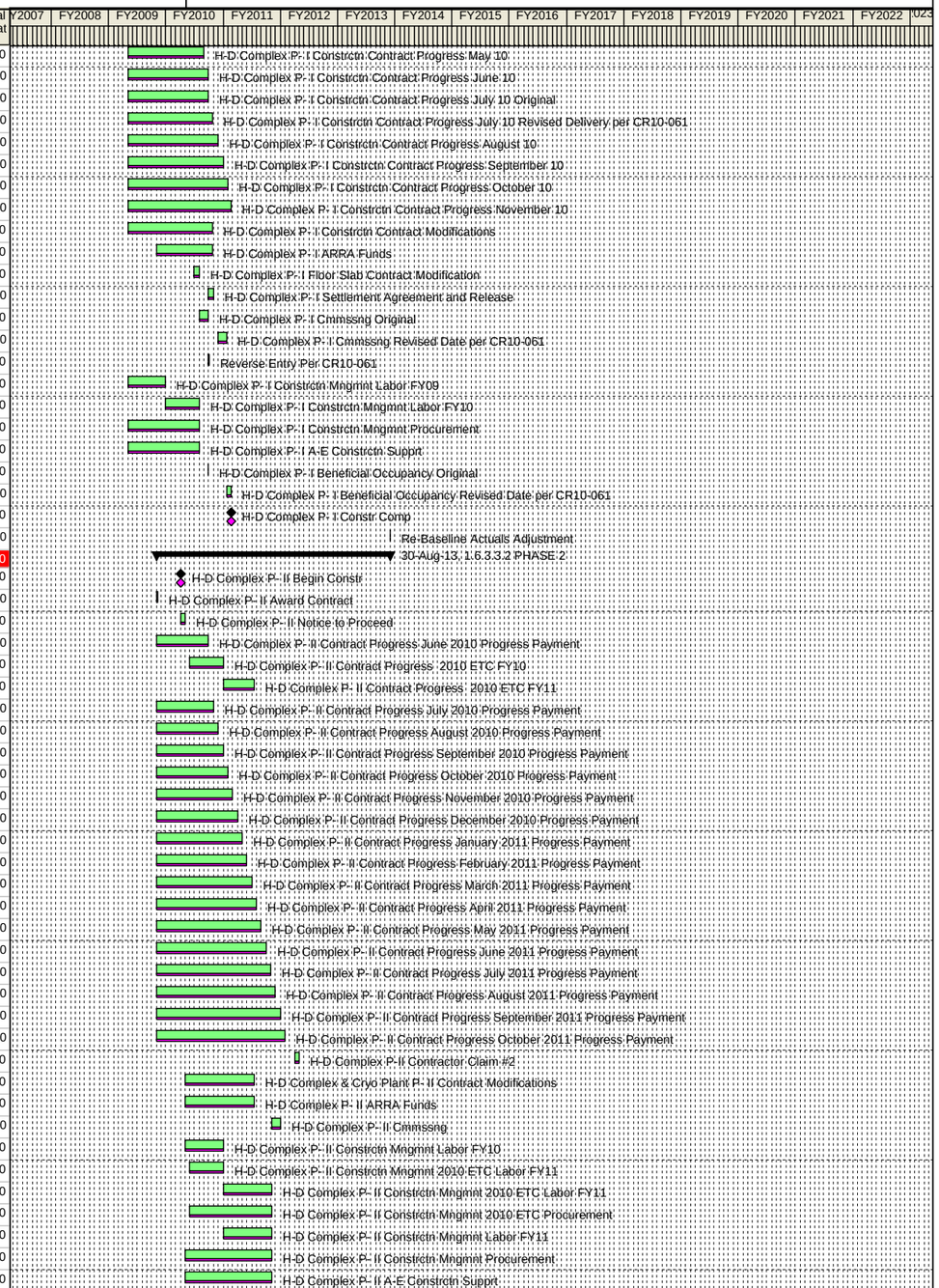
Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
16331010K	H-D Complex P- I Constrctn Contract Progress May 10	03-Feb-09	28-May-10	66.00	$0	0.00	$394,533	$394,533	$0	14.00
16331010L	H-D Complex P- I Constrctn Contract Progress June 10	03-Feb-09	30-Jun-10	70.40	$0	0.00	$595,761	$595,761	$0	9.60
16331010N	H-D Complex P- I Constrctn Contract Progress July 10 Original	03-Feb-09	30-Jun-10	70.40	$0	0.00	$30,024	$30,024	$0	3.80
16331010N5	H-D Complex P- I Constrctn Contract Progress July 10 Revised Delivery per CR10-061	03-Feb-09	27-Jul-10	74.00	$0	0.00	$277,720	$277,720	$0	0.20
16331010P	H-D Complex P- I Constrctn Contract Progress August 10	03-Feb-09	31-Aug-10	79.00	$0	0.00	$277,720	$277,720	$0	0.20
16331010Q	H-D Complex P- I Constrctn Contract Progress September 10	03-Feb-09	30-Sep-10	83.20	$0	0.00	$277,720	$277,720	$0	0.20
16331010R	H-D Complex P- I Constrctn Contract Progress October 10	03-Feb-09	29-Oct-10	87.40	$0	0.00	$277,720	$277,720	$0	0.20
16331010S	H-D Complex P- I Constrctn Contract Progress November 10	03-Feb-09	24-Nov-10	91.00	$0	0.00	$277,720	$277,720	$0	0.20
16331011	H-D Complex P- I Constrctn Contract Modifications	03-Feb-09	27-Jul-10	74.00	$0	0.00	$354,138	$354,138	$0	18.00
16331012	H-D Complex P- I ARRA Funds	06-Aug-09	27-Jul-10	48.20	$0	0.00	$37,491	$37,491	$0	268.40
16331013	H-D Complex P- I Floor Slab Contract Modification	01-Apr-10	30-Apr-10	4.40	$0	0.00	$400,000	$400,000	$0	18.00
16331014	H-D Complex P- I Settlement Agreement and Release	01-Jul-10	30-Jul-10	4.20	$0	0.00	$885,000	$885,000	$0	5.40
16331015	H-D Complex P- I Cmmssng Original	03-May-10	28-Jun-10	8.00	$0	0.00	$23,075	$23,075	$0	18.00
16331016	H-D Complex P- I Cmmssng Revised Date per CR10-061	01-Sep-10	27-Oct-10	8.00	$0	0.00	$23,075	$23,075	$0	1.00
16331017	Reverse Entry Per CR10-061	01-Jul-10	01-Jul-10	0.20	($264)	-0.10	($53,098)	($53,362)	$0	12.60
16331020	H-D Complex P- I Constrctn Mngmnt Labor FY09	03-Feb-09	30-Sep-09	33.60	$40,766	22.22	$0	$40,766	$0	280.40
16331020b	H-D Complex P- I Constrctn Mngmnt Labor FY10	01-Oct-09	30-Apr-10	28.40	$35,556	18.78	$0	$35,556	$0	280.40
16331020c	H-D Complex P- I Constrctn Mngmnt Procurement	03-Feb-09	30-Apr-10	62.00	$0	0.00	$502,815	$502,815	$0	280.40
16331025	H-D Complex P- I A-E Constrctn Supprt	03-Feb-09	30-Apr-10	62.00	$0	0.00	$100,907	$100,907	$0	280.40
16331030	H-D Complex P- I Beneficial Occupancy Original	29-Jun-10	30-Jun-10	0.40	$264	0.10	$0	$264	$0	20.80
16331032	H-D Complex P- I Beneficial Occupancy Revised Date per CR10-061	28-Oct-10	24-Nov-10	4.00	$2,723	1.00	$0	$2,723	$0	0.20
16331035M	H-D Complex P- I Constr Comp		24-Nov-10	0.00	$0	0.00	$0	$0	$0	251.40
16331040	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$66,963	$66,963	$0	4.00
1.6.3.3.2 PHASE 2		06-Aug-09	30-Aug-13	202.00	$243,834	119.00	$8,737,459	$8,981,293	$0	126.60
16332000M	H-D Complex P- II Begin Constr	05-Jan-10		0.00	$0	0.00	$0	$0	$0	17.40
16332005	H-D Complex P- II Award Contract	06-Aug-09	06-Aug-09	0.20	$0	0.00	$0	$0	$0	1.20
16332008	H-D Complex P- II Notice to Proceed	05-Jan-10	02-Feb-10	4.00	$0	0.00	$0	$0	$0	17.40
16332010	H-D Complex P- II Contract Progress June 2010 Progress Payment	06-Aug-09	30-Jun-10	44.60	$0	0.00	$301,353	$301,353	$0	1.20
16332010A	H-D Complex P- II Contract Progress 2010 ETC FY10	01-Mar-10	30-Sep-10	30.20	$18,846	10.67	$0	$18,846	$0	19.40
16332010Ab	H-D Complex P- II Contract Progress 2010 ETC FY11	01-Oct-10	18-Apr-11	26.40	$16,999	9.33	$0	$16,999	$0	19.40
16332010B	H-D Complex P- II Contract Progress July 2010 Progress Payment	06-Aug-09	30-Jul-10	48.80	$0	0.00	$267,310	$267,310	$0	1.20
16332010C	H-D Complex P- II Contract Progress August 2010 Progress Payment	06-Aug-09	31-Aug-10	53.20	$0	0.00	$64,389	$64,389	$0	1.20
16332010D	H-D Complex P- II Contract Progress September 2010 Progress Payment	06-Aug-09	30-Sep-10	57.40	$0	0.00	$98,161	$98,161	$0	1.20
16332010F	H-D Complex P- II Contract Progress October 2010 Progress Payment	06-Aug-09	29-Oct-10	61.60	$0	0.00	$227,000	$227,000	$0	1.20
16332010G	H-D Complex P- II Contract Progress November 2010 Progress Payment	06-Aug-09	30-Nov-10	65.60	$0	0.00	$291,875	$291,875	$0	1.20
16332010H	H-D Complex P- II Contract Progress December 2010 Progress Payment	06-Aug-09	30-Dec-10	69.00	$0	0.00	$289,502	$289,502	$0	1.20
16332010J	H-D Complex P- II Contract Progress January 2011 Progress Payment	06-Aug-09	31-Jan-11	73.00	$0	0.00	$127,700	$127,700	$0	1.20
16332010K	H-D Complex P- II Contract Progress February 2011 Progress Payment	06-Aug-09	28-Feb-11	76.80	$0	0.00	$192,348	$192,348	$0	1.20
16332010N	H-D Complex P- II Contract Progress March 2011 Progress Payment	06-Aug-09	31-Mar-11	81.40	$0	0.00	$195,771	$195,771	$0	1.20
16332010P	H-D Complex P- II Contract Progress April 2011 Progress Payment	06-Aug-09	29-Apr-11	85.60	$0	0.00	$206,551	$206,551	$0	1.20
16332010Q	H-D Complex P- II Contract Progress May 2011 Progress Payment	06-Aug-09	31-May-11	89.80	$0	0.00	$800,206	$800,206	$0	1.20
16332010R	H-D Complex P- II Contract Progress June 2011 Progress Payment	06-Aug-09	30-Jun-11	94.20	$0	0.00	$199,024	$199,024	$0	1.20
16332010S	H-D Complex P- II Contract Progress July 2011 Progress Payment	06-Aug-09	29-Jul-11	98.20	$0	0.00	$734,054	$734,054	$0	1.20
16332010T	H-D Complex P- II Contract Progress August 2011 Progress Payment	06-Aug-09	31-Aug-11	102.80	$0	0.00	$734,054	$734,054	$0	1.20
16332010U	H-D Complex P- II Contract Progress September 2011 Progress Payment	06-Aug-09	30-Sep-11	107.00	$0	0.00	$734,054	$734,054	$0	1.20
16332010V	H-D Complex P- II Contract Progress October 2011 Progress Payment	06-Aug-09	31-Oct-11	111.20	$0	0.00	$734,055	$734,055	$0	1.20
16332010W	H-D Complex P-II Contractor Claim #2	04-Jan-12	31-Jan-12	3.80	$0	0.00	$300,000	$300,000	$0	206.00
16332011	H-D Complex & Cryo Plant P- II Contract Modifications	03-Feb-10	18-Apr-11	60.00	$0	0.00	$310,716	$310,716	$0	19.40
16332012	H-D Complex P- II ARRA Funds	03-Feb-10	18-Apr-11	60.00	$0	0.00	$64,312	$64,312	$0	19.40
16332015	H-D Complex P- II Cmmssng	05-Aug-11	30-Sep-11	8.00	$0	0.00	$96,376	$96,376	$0	4.20
16332020	H-D Complex P- II Constrctn Mngmnt Labor FY10	03-Feb-10	30-Sep-10	33.60	$50,925	25.64	$0	$50,925	$0	216.80
16332020A	H-D Complex P- II Constrctn Mngmnt 2010 ETC Labor FY11	01-Mar-10	30-Sep-10	30.20	$31,443	14.98	$0	$31,443	$0	216.80
16332020Aa	H-D Complex P- II Constrctn Mngmnt 2010 ETC Labor FY11	01-Oct-10	10-Aug-11	42.40	$45,552	21.02	$0	$45,552	$0	216.80
16332020Ab	H-D Complex P- II Constrctn Mngmnt 2010 ETC Procurement	01-Mar-10	10-Aug-11	72.60	$0	0.00	$206,000	$206,000	$0	216.80
16332020b	H-D Complex P- II Constrctn Mngmnt Labor FY11	01-Oct-10	10-Aug-11	42.40	$66,309	32.36	$0	$66,309	$0	216.80
16332020ba	H-D Complex P- II Constrctn Mngmnt Procurement	03-Feb-10	10-Aug-11	76.00	$0	0.00	$718,035	$718,035	$0	216.80
16332025	H-D Complex P- II A-E Constrctn Supprt	03-Feb-10	10-Aug-11	76.00	$0	0.00	$163,226	$163,226	$0	216.80



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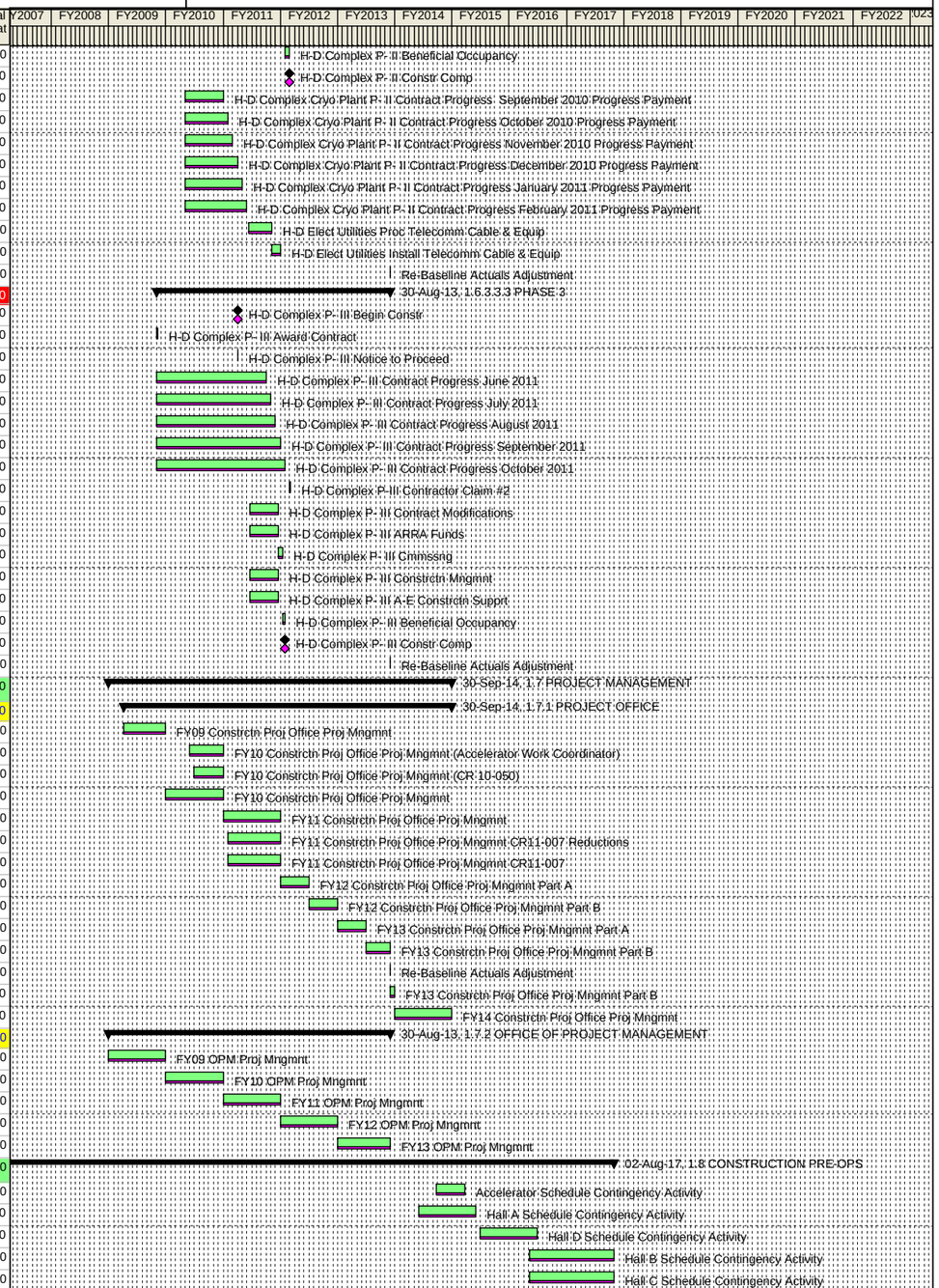
Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
16332030	H-D Complex P- II Beneficial Occupancy	01-Nov-11	30-Nov-11	4.00	$2,810	1.00	$0	$2,810	$0	1.20
16332035	H-D Complex P- II Constr Comp		30-Nov-11	0.00	$0	0.00	$0	$0	$0	201.40
16332040	H-D Complex Cryo Plant P- II Contract Progress September 2010 Progress Payment	03-Feb-10	30-Sep-10	33.60	$0	0.00	$14,625	$14,625	$0	17.40
16332040A	H-D Complex Cryo Plant P- II Contract Progress October 2010 Progress Payment	03-Feb-10	29-Oct-10	37.80	$0	0.00	$20,740	$20,740	$0	17.40
16332040B	H-D Complex Cryo Plant P- II Contract Progress November 2010 Progress Payment	03-Feb-10	30-Nov-10	41.80	$0	0.00	$39,564	$39,564	$0	17.40
16332040C	H-D Complex Cryo Plant P- II Contract Progress December 2010 Progress Payment	03-Feb-10	30-Dec-10	45.20	$0	0.00	$9,096	$9,096	$0	17.40
16332040D	H-D Complex Cryo Plant P- II Contract Progress January 2011 Progress Payment	03-Feb-10	31-Jan-11	49.20	$0	0.00	$90,834	$90,834	$0	17.40
16332040F	H-D Complex Cryo Plant P- II Contract Progress February 2011 Progress Payment	03-Feb-10	28-Feb-11	53.00	$0	0.00	$40,288	$40,288	$0	17.40
16332045	H-D Elect Utilities Proc Telecomm Cable & Equip	16-Mar-11	04-Aug-11	20.00	$10,949	4.00	$0	$10,949	$0	5.40
16332050	H-D Elect Utilities Install Telecomm Cable & Equip	05-Aug-11	30-Sep-11	8.00	$0	0.00	$102,045	$102,045	$0	5.40
16332055	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$364,195	$364,195	$0	4.00
1.6.3.3.3 PHASE 3		06-Aug-09	30-Aug-13	202.00	$82,238	41.00	$1,506,563	$1,588,801	$0	126.60
16333000M	H-D Complex P- III Begin Constr	05-Jan-11		0.00	$0	0.00	$0	$0	$0	46.40
16333005	H-D Complex P- III Award Contract	06-Aug-09	06-Aug-09	0.20	$0	0.00	$0	$0	$0	36.80
16333008	H-D Complex P- III Notice to Proceed	05-Jan-11	05-Jan-11	0.20	$0	0.00	$0	$0	$0	46.40
16333010	H-D Complex P- III Contract Progress June 2011	06-Aug-09	30-Jun-11	94.20	$0	0.00	$123,073	$123,073	$0	36.80
16333010A	H-D Complex P- III Contract Progress July 2011	06-Aug-09	29-Jul-11	98.20	$0	0.00	$115,282	$115,282	$0	36.80
16333010B	H-D Complex P- III Contract Progress August 2011	06-Aug-09	31-Aug-11	102.80	$0	0.00	$115,735	$115,735	$0	36.80
16333010C	H-D Complex P- III Contract Progress September 2011	06-Aug-09	30-Sep-11	107.00	$0	0.00	$160,000	$160,000	$0	36.80
16333010D	H-D Complex P- III Contract Progress October 2011	06-Aug-09	31-Oct-11	111.20	$0	0.00	$155,302	$155,302	$0	36.80
16333010F	H-D Complex P-III Contractor Claim #2	01-Dec-11	07-Dec-11	1.00	$0	0.00	$355,000	$355,000	$0	212.40
16333011	H-D Complex P- III Contract Modifications	18-Mar-11	20-Sep-11	26.00	$0	0.00	$31,432	$31,432	$0	36.60
16333012	H-D Complex P- III ARRA Funds	18-Mar-11	20-Sep-11	26.00	$0	0.00	$27,562	$27,562	$0	36.60
16333015	H-D Complex P- III Cmmssng	21-Sep-11	18-Oct-11	4.00	$0	0.00	$5,851	$5,851	$0	36.60
16333020	H-D Complex P- III Constrctn Mngmnt	18-Mar-11	20-Sep-11	26.00	$79,429	40.00	$432,940	$512,369	$0	211.20
16333025	H-D Complex P- III A-E Constrctn Supprt	18-Mar-11	20-Sep-11	26.00	$0	0.00	$14,520	$14,520	$0	211.20
16333030	H-D Complex P- III Beneficial Occupancy	19-Oct-11	01-Nov-11	2.00	$2,810	1.00	$0	$2,810	$0	36.60
16333035	H-D Complex P- III Constr Comp		01-Nov-11	0.00	$0	0.00	$0	$0	$0	205.20
16333040	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($30,134)	($30,134)	$0	4.00
1.7 PROJECT MANAGEMENT		01-Oct-08	30-Sep-14	297.40	$8,610,352	2423.77	($834,760)	$8,220,921	$445,328	62.40
1.7.1 PROJECT OFFICE		02-Jan-09	30-Sep-14	285.60	$8,610,352	2423.77	($834,760)	$8,220,921	$445,328	62.40
171909LOE	FY09 Constrctn Proj Office Proj Mngmnt	02-Jan-09	30-Sep-09	37.80	$969,067	298.74	$0	$1,061,187	$92,121	4.00
171910ALOE	FY10 Constrctn Proj Office Proj Mngmnt (Accelerator Work Coordinator)	01-Mar-10	30-Sep-10	30.20	$86,922	33.00	$0	$86,922	$0	4.00
171910BLOE	FY10 Constrctn Proj Office Proj Mngmnt (CR 10-050)	01-Apr-10	30-Sep-10	25.60	$0	0.00	$0	$120,000	$120,000	4.00
171910LOE	FY10 Constrctn Proj Office Proj Mngmnt	01-Oct-09	30-Sep-10	49.60	$1,312,122	392.00	$0	$1,406,244	$94,122	4.00
171911LOE	FY11 Constrctn Proj Office Proj Mngmnt	01-Oct-10	30-Sep-11	49.60	$1,586,669	436.00	$0	$1,818,372	$231,703	4.00
171911LOEA	FY11 Constrctn Proj Office Proj Mngmnt CR11-007 Reductions	01-Nov-10	30-Sep-11	45.40	($168,524)	-61.60	$0	($360,226)	($191,703)	4.00
171911LOEB	FY11 Constrctn Proj Office Proj Mngmnt CR11-007	01-Nov-10	30-Sep-11	45.40	$531,076	173.40	$0	$531,076	$0	4.00
171912LOE	FY12 Constrctn Proj Office Proj Mngmnt Part A	03-Oct-11	30-Mar-12	24.00	$983,358	274.69	$0	$1,003,411	$20,053	4.00
171912LOEA	FY12 Constrctn Proj Office Proj Mngmnt Part B	02-Apr-12	28-Sep-12	25.40	$813,361	223.30	$0	$833,361	$20,000	4.00
171913LOE	FY13 Constrctn Proj Office Proj Mngmnt Part A	01-Oct-12	29-Mar-13	24.00	$839,293	223.30	$0	$859,931	$20,638	4.00
171913LOEA	FY13 Constrctn Proj Office Proj Mngmnt Part B	01-Apr-13	30-Aug-13	21.60	$708,154	188.41	$0	$725,567	$17,413	4.00
171950	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($836,040)	($836,040)	$0	4.00
271913LOEB	FY13 Constrctn Proj Office Proj Mngmnt Part B	03-Sep-13	30-Sep-13	4.00	$67,397	17.60	$1,280	$69,025	$348	62.20
271914LOE	FY14 Constrctn Proj Office Proj Mngmnt	01-Oct-13	30-Sep-14	49.40	$881,457	224.94	$0	$902,090	$20,634	62.20
1.7.2 OFFICE OF PROJECT MANAGEMENT		01-Oct-08	30-Aug-13	243.80	$0	0.00	$0	$0	$0	4.00
172909LOE	FY09 OPM Proj Mngmnt	01-Oct-08	30-Sep-09	49.60	$0	0.00	$0	$0	$0	4.00
172910LOE	FY10 OPM Proj Mngmnt	01-Oct-09	30-Sep-10	49.60	$0	0.00	$0	$0	$0	4.00
172911LOE	FY11 OPM Proj Mngmnt	01-Oct-10	30-Sep-11	49.60	$0	0.00	$0	$0	$0	4.00
172912LOE	FY12 OPM Proj Mngmnt	03-Oct-11	28-Sep-12	49.40	$0	0.00	$0	$0	$0	4.00
172913LOE	FY13 OPM Proj Mngmnt	01-Oct-12	30-Aug-13	45.60	$0	0.00	$0	$0	$0	4.00
1.8 CONSTRUCTION PRE-OPS		02-Oct-06	02-Aug-17	536.60	$7,921,001	2869.64	$1,725,648	$10,528,637	$881,988	8.20
28000	Accelerator Schedule Contingency Activity	26-Jun-14	23-Dec-14	25.00	$0	0.00	$0	$0	$0	0.00
28005	Hall A Schedule Contingency Activity	06-Mar-14	03-Mar-15	49.00	$0	0.00	$0	$0	$0	128.60
28010	Hall D Schedule Contingency Activity	02-Apr-15	29-Mar-16	49.00	$0	0.00	$0	$0	$0	75.40
28015	Hall B Schedule Contingency Activity	11-Feb-16	02-Aug-17	74.00	$0	0.00	$0	$0	$0	8.20
28020	Hall C Schedule Contingency Activity	09-Feb-16	31-Jul-17	74.00	$0	0.00	$0	$0	$0	8.60



Primary Baseline | Remaining Work | Baseline Milestone
Actual Work | Critical Remaining Work | Milestone

TASK filter: All Activities

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Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
28025	Civil Schedule Contingency Activity	05-Oct-15	28-Sep-16	49.00	$0	0.00	$0	$0	$0	49.80
1.8.1 CONSTRUCTION ACCELERATOR PRE-OPS		02-Oct-06	10-Feb-16	462.80	$2,010,325	883.46	$1,841,819	$4,536,470	$684,327	82.00
1.8.1.1 CONSTRUCTION ACCELERATOR PRE-OPS BEAM COMMISIONING		02-Oct-06	10-Feb-16	462.80	$936,208	431.60	$0	$936,208	$0	82.00
1811001	Accel ARR Process	02-Oct-06	03-Jan-07	12.00	$0	0.00	$0	$0	$0	334.80
1811019	H-A ARR Process	15-Nov-12	14-Dec-12	4.00	$0	0.00	$0	$0	$0	237.00
1811070	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$0	$0	$0	4.00
2811000	Accel Hot Check-out	15-Oct-13	09-Dec-13	7.60	$164,419	77.20	$0	$164,419	$0	0.00
2811001	Accel ARR Process	11-Oct-13	13-Dec-13	8.80	$0	0.00	$0	$0	$0	0.00
2811005	Accel Commisioning	14-Nov-13	20-Dec-13	5.00	$421,607	188.00	$0	$421,607	$0	0.00
2811019	H-A ARR Process	14-Oct-13	08-Nov-13	4.00	$0	0.00	$0	$0	$0	17.40
2811020	H-A Beam Cmmssng	03-Mar-14	05-Mar-14	0.60	$26,937	12.80	$0	$26,937	$0	3.60
2811034	H-B ARR Process	19-Nov-15	27-Jan-16	8.00	$0	0.00	$0	$0	$0	7.20
2811035	H-B Beam Cmmssng	28-Jan-16	10-Feb-16	2.00	$107,748	51.20	$0	$107,748	$0	7.20
2811049	H-C ARR Process	24-Nov-15	01-Feb-16	8.00	$0	0.00	$0	$0	$0	7.60
2811050	H-C Beam Cmmssng	02-Feb-16	08-Feb-16	1.00	$53,874	25.60	$0	$53,874	$0	7.60
2811064	H-D ARR Process	05-Aug-14	18-Nov-14	15.00	$0	0.00	$0	$0	$0	1.60
2811065	H-D Beam Cmmssng	19-Nov-14	11-Dec-14	3.00	$161,622	76.80	$0	$161,622	$0	1.60
1.8.1.2 CONSTRUCTION ACCELERATOR PRE-OPS UTILITIES		15-Oct-13	10-Feb-16	114.00	$221,960	85.10	$2,042,000	$2,263,960	$0	7.00
2812000	Accel Hot Check-out (Utilities)	15-Oct-13	27-Nov-13	6.40	$36,165	12.80	$192,000	$228,165	$0	3.60
2812005	Accel Beam Commissioning (Utilities)	14-Nov-13	20-Dec-13	5.00	$90,694	32.10	$591,000	$681,694	$0	0.00
2812020	H-B Beam Cmmssng (Utilities)	28-Jan-16	10-Feb-16	2.00	$29,098	12.30	$357,000	$386,098	$0	7.20
2812035	H-C Beam Cmmssng (Utilities)	02-Feb-16	08-Feb-16	1.00	$14,904	6.30	$253,000	$267,904	$0	7.60
2812050	H-D Beam Cmmssng (Utilities)	19-Nov-14	11-Dec-14	3.00	$43,765	18.50	$537,000	$580,765	$0	1.60
2812065	H-A Beam Cmmssng (Utilities)	28-Feb-14	04-Mar-14	0.60	$7,334	3.10	$112,000	$119,334	$0	3.80
1.8.1.3 ACCELERATOR PRE-OPS CHECKOUT		01-Oct-12	25-Jun-14	85.80	$852,158	366.76	($200,181)	$1,336,303	$684,327	24.60
1.8.1.3.1 CRYOMODULES ACCELERATOR PRE-OPS		29-Jan-13	28-Feb-14	54.00	$315,328	122.67	($108,121)	$247,862	$40,655	41.00
1.8.1.3.1.5 CRYOMODULES IN-TUNNEL CHECKOUT		29-Jan-13	28-Feb-14	54.00	$315,328	122.67	($108,121)	$247,862	$40,655	41.00
181315000	In-Tunnel Checkout and Commisioning Cryomodule #3 5th	29-Jan-13	04-Mar-13	4.80	$44,727	17.40	$0	$50,221	$5,494	7.00
181315005	In-Tunnel Checkout and Commisioning Cryomodule #6	05-Mar-13	05-Apr-13	4.80	$44,727	17.40	$0	$50,221	$5,494	7.00
181315010	In-Tunnel Checkout and Commisioning Cryomodule #7	08-Apr-13	10-May-13	5.00	$44,727	17.40	$0	$50,221	$5,494	7.00
181315015	In-Tunnel Checkout and Commisioning Cryomodule #8	13-May-13	14-Jun-13	4.80	$44,727	17.40	$0	$50,221	$5,494	7.00
181315020	In-Tunnel Checkout and Commisioning Cryomodule #9	17-Jun-13	19-Jul-13	4.80	$44,727	17.40	$0	$50,221	$5,494	7.00
181315025	In-Tunnel Checkout and Commisioning Cryomodule #10	22-Jul-13	23-Aug-13	5.00	$44,727	17.40	$0	$50,221	$5,494	7.00
181315030	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($108,121)	($108,121)	$0	4.00
281315015	In-Tunnel Checkout and Commisioning Cryomodule #8	03-Sep-13	20-Sep-13	2.80	$21,027	8.18	$0	$24,873	$3,846	7.20
281315025	In-Tunnel Checkout and Commisioning Cryomodule #10 FY13	03-Sep-13	30-Sep-13	4.00	$7,251	2.82	$0	$8,577	$1,326	4.20
281315025a	In-Tunnel Checkout and Commisioning Cryomodule #10 FY14	01-Oct-13	11-Oct-13	1.80	$3,263	1.27	$0	$3,859	$597	4.20
281315030	Installation & Test of Individual Heater Control & Piezo Operation FY13	03-Sep-13	30-Sep-13	4.00	$2,614	1.02	$0	$2,940	$326	41.40
281315030a	Installation & Test of Individual Heater Control & Piezo Operation FY14	01-Oct-13	28-Feb-14	19.60	$12,809	4.98	$0	$14,406	$1,597	41.40
1.8.1.3.2 POWER PRE-OPS CHECKOUT		30-Oct-12	25-Jun-14	81.60	$373,921	176.61	($22,856)	$358,474	$7,409	0.00
1.8.1.3.2.1 RF PRE-OPS CHECKOUT		30-Oct-12	06-Nov-13	50.80	$154,625	71.61	($22,856)	$135,472	$3,703	5.60
181321000	RF Sys Tests #5 (Install & SYS COMMIS)	30-Oct-12	19-Nov-12	3.00	$9,957	4.90	$0	$10,216	$260	15.20
181321005	RF Sys Tests #6 (Install & SYS COMMIS)	17-Jan-13	07-Feb-13	3.00	$9,957	4.90	$0	$10,216	$260	10.20
181321010	RF Sys Tests #7 (Install & SYS COMMIS)	07-Feb-13	28-Feb-13	3.00	$9,957	4.90	$0	$10,216	$260	12.20
181321015	RF Sys Tests #8 (Install & SYS COMMIS)	27-Feb-13	19-Mar-13	3.00	$9,957	4.90	$0	$10,216	$260	14.60
181321020	RF Sys Tests #9 (Install & SYS COMMIS)	18-Mar-13	05-Apr-13	3.00	$9,957	4.90	$0	$10,216	$260	16.80
181321025	RF Sys Tests #10 (Install & SYS COMMIS)	04-Apr-13	24-Apr-13	3.00	$9,957	4.90	$0	$10,216	$260	19.00
181321030	RF Cavity Tests Cryomodule #3 (Install & SYS COMMIS)	06-Feb-13	04-Mar-13	3.60	$11,547	5.10	$0	$11,805	$258	31.40
181321035	RF Cavity Tests Cryomodule #6 (Install & SYS COMMIS)	13-Mar-13	05-Apr-13	3.60	$11,547	5.10	$0	$11,805	$258	26.60
181321040	RF Cavity Tests Cryomodule #7 (Install & SYS COMMIS)	17-Apr-13	10-May-13	3.60	$11,547	5.10	$0	$11,805	$258	21.60
181321045	RF Cavity Tests Cryomodule #8 (Install & SYS COMMIS)	21-May-13	14-Jun-13	3.60	$11,547	5.10	$0	$11,805	$258	16.80
181321050	RF Cavity Tests Cryomodule #9 (Install & SYS COMMIS)	25-Jun-13	19-Jul-13	3.60	$11,547	5.10	$0	$11,805	$258	12.00
181321055	RF Cavity Tests Cryomodule #10 (Install & SYS COMMIS)	31-Jul-13	23-Aug-13	3.60	$11,547	5.10	$0	$11,805	$258	7.00
181321060	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($22,856)	($22,856)	$0	4.00
281321025	RF Sys Tests #10 (Install & SYS COMMIS)	03-Sep-13	09-Sep-13	1.00	$5,974	2.94	$0	$6,130	$156	4.20
281321050	RF Cavity Tests Cryomodule #9 (Install & SYS COMMIS)	03-Sep-13	16-Sep-13	2.00	$8,083	3.57	$0	$8,264	$181	13.00
281321055	RF Cavity Tests Cryomodule #10 (Install & SYS COMMIS)	14-Oct-13	06-Nov-13	3.60	$11,547	5.10	$0	$11,805	$258	5.60
1.8.1.3.2.2 POWER SUPPLY TESTING		30-Aug-13	25-Jun-14	40.40	$219,296	105.00	$0	$223,002	$3,707	0.00

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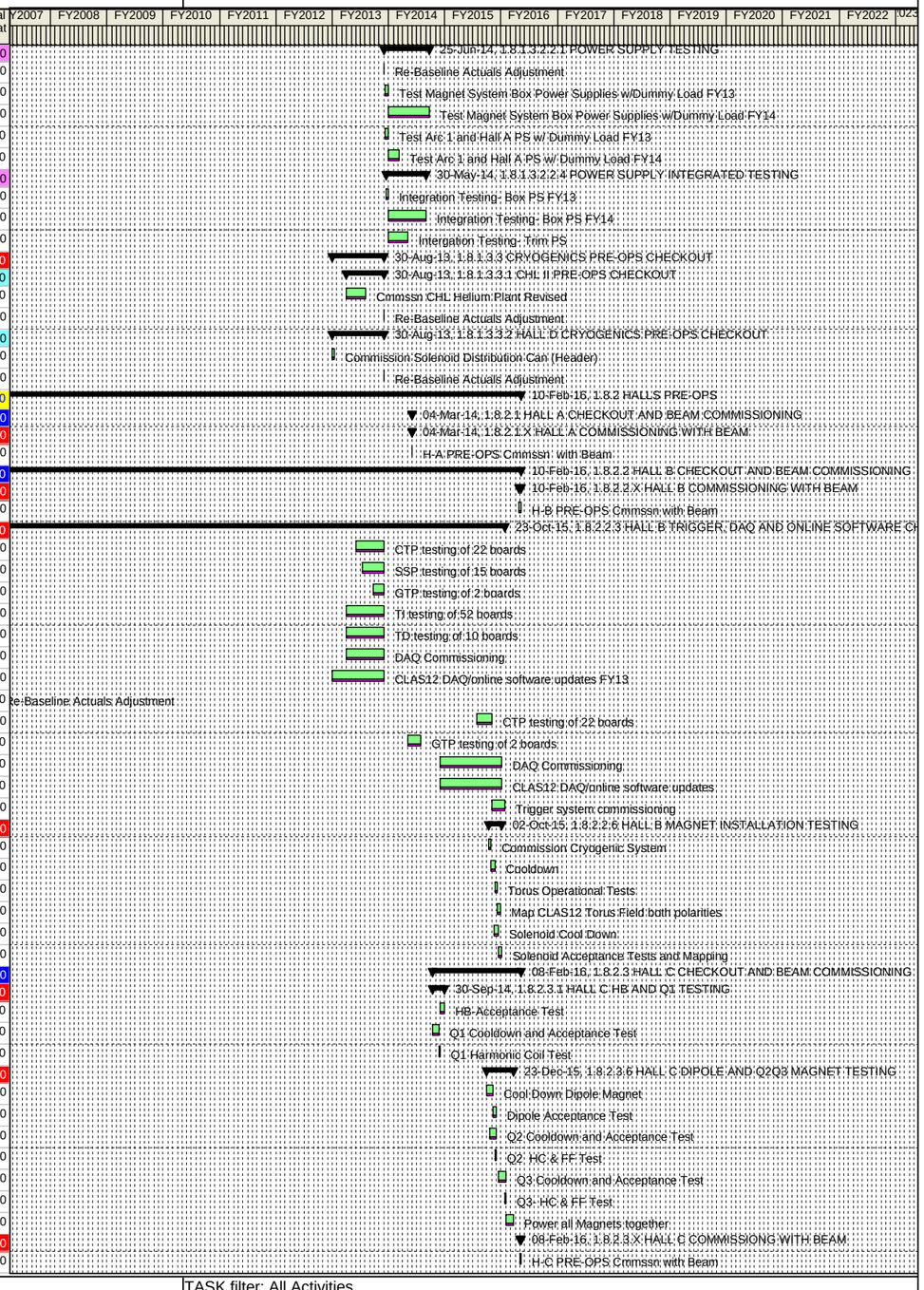
Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
1.8.1.3.2.2.1 POWER SUPPLY TESTING		30-Aug-13	25-Jun-14	40.40	$153,420	71.50	$0	$153,420	$0	0.00
1813221000	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$0	$0	$0	4.00
2813221000	Test Magnet System Box Power Supplies w/Dummy Load FY13	09-Sep-13	30-Sep-13	3.20	$11,285	5.22	$0	$11,285	$0	0.00
2813221000	Test Magnet System Box Power Supplies w/Dummy Load FY14	01-Oct-13	25-Jun-14	36.00	$126,961	58.78	$0	$126,961	$0	0.00
2813221005	Test Arc 1 and Hall A PS w/ Dummy Load FY13	09-Sep-13	30-Sep-13	3.20	$3,916	1.94	$0	$3,916	$0	12.40
2813221005	Test Arc 1 and Hall A PS w/ Dummy Load FY14	01-Oct-13	05-Dec-13	9.20	$11,258	5.56	$0	$11,258	$0	12.40
1.8.1.3.2.2.4 POWER SUPPLY INTEGRATED TESTING		19-Sep-13	30-May-14	34.20	$65,875	33.50	$0	$69,582	$3,707	3.60
2813224000	Integration Testing- Box PS FY13	19-Sep-13	30-Sep-13	1.60	$1,695	0.85	$0	$1,809	$114	3.60
2813224000	Integration Testing- Box PS FY14	01-Oct-13	30-May-14	32.40	$34,328	17.15	$0	$36,629	$2,301	3.60
2813224005	Intergation Testing- Trim PS	01-Oct-13	04-Feb-14	16.00	$29,852	15.50	$0	$31,144	$1,292	7.20
1.8.1.3.3 CRYOGENICS PRE-OPS CHECKOUT		01-Oct-12	30-Aug-13	45.60	$162,909	67.48	($69,205)	$729,966	$636,262	12.60
1.8.1.3.3.1 CHL II PRE-OPS CHECKOUT		02-Jan-13	30-Aug-13	33.80	$102,990	42.48	($57,742)	$681,511	$636,262	12.60
1813311000	Cmmssn CHL Helium Plant Revised	02-Jan-13	03-May-13	17.20	$102,990	42.48	$0	$739,253	$636,262	29.20
1813310005	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($57,742)	($57,742)	$0	4.00
1.8.1.3.3.2 HALL D CRYOGENICS PRE-OPS CHECKOUT		01-Oct-12	30-Aug-13	45.60	$59,918	25.00	($11,463)	$48,455	$0	4.00
1813320000	Commission Solenoid Distribution Can (Header)	01-Oct-12	12-Oct-12	2.00	$59,918	25.00	$0	$59,918	$0	5.60
1813320005	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($11,463)	($11,463)	$0	4.00
1.8.2 HALLS PRE-OPS		02-Oct-06	10-Feb-16	462.80	$2,012,884	973.64	($372,525)	$1,735,759	$95,400	82.00
1.8.2.1 HALL A CHECKOUT AND BEAM COMMISSIONING		28-Feb-14	04-Mar-14	0.60	$11,862	9.80	$0	$11,862	$0	3.80
1.8.2.1.X HALL A COMMISSIONING WITH BEAM		28-Feb-14	04-Mar-14	0.60	$11,862	9.80	$0	$11,862	$0	3.80
2821X000	H-A PRE-OPS Cmmssn with Beam	28-Feb-14	04-Mar-14	0.60	$11,862	9.80	$0	$11,862	$0	3.80
1.8.2.2 HALL B CHECKOUT AND BEAM COMMISSIONING		02-Oct-06	10-Feb-16	462.80	$575,968	325.35	($133,986)	$521,182	$79,200	82.00
1.8.2.2.X HALL B COMMISSIONING WITH BEAM		28-Jan-16	10-Feb-16	2.00	$98,660	84.00	$0	$98,660	$0	7.00
2822X000	H-B PRE-OPS Cmmssn with Beam	28-Jan-16	10-Feb-16	2.00	$98,660	84.00	$0	$98,660	$0	7.20
1.8.2.2.3 HALL B TRIGGER, DAQ AND ONLINE SOFTWARE CHECKOUT		02-Oct-06	23-Oct-15	449.20	$325,910	173.05	($133,986)	$271,124	$79,200	95.60
18223000	CTP testing of 22 boards	01-Mar-13	30-Aug-13	25.80	$3,032	1.04	$0	$3,032	$0	4.00
18223005	SSP testing of 15 boards	15-Apr-13	30-Aug-13	19.60	$1,151	0.40	$0	$1,151	$0	4.00
18223010	GTP testing of 2 boards	24-Jun-13	30-Aug-13	9.80	$576	0.20	$0	$576	$0	4.00
18223015	TI testing of 52 boards	02-Jan-13	30-Aug-13	33.80	$7,945	2.73	$0	$7,945	$0	4.00
18223020	TD testing of 10 boards	02-Jan-13	30-Aug-13	33.80	$1,985	0.68	$0	$1,985	$0	4.00
18223025	DAQ Commissioning	03-Jan-13	30-Aug-13	33.60	$39,645	13.60	$0	$39,645	$0	4.00
18223030	CLAS12 DAQ/online software updates FY13	01-Oct-12	30-Aug-13	45.60	$79,652	64.35	$0	$79,652	$0	4.00
18223035	Re-Baseline Actuals Adjustment	02-Oct-06	02-Oct-06	0.20	$0	0.00	($133,986)	($133,986)	$0	544.60
28223000	CTP testing of 22 boards	29-Apr-15	30-Jul-15	12.80	$46,614	16.00	$0	$46,614	$0	8.20
28223010	GTP testing of 2 boards	03-Feb-14	29-Apr-14	12.40	$11,654	4.00	$0	$11,654	$0	70.20
28223025	DAQ Commissioning	04-Sep-14	02-Oct-15	53.40	$34,973	12.00	$0	$34,973	$0	11.20
28223030	CLAS12 DAQ/online software updates	04-Sep-14	02-Oct-15	53.40	$52,053	42.06	$0	$52,053	$0	11.20
28223040	Trigger system commissioning	31-Jul-15	23-Oct-15	12.00	$46,630	16.00	$0	$125,830	$79,200	8.20
1.8.2.2.6 HALL B MAGNET INSTALLATION TESTING		14-Jul-15	02-Oct-15	11.60	$151,398	68.30	$0	$151,398	$0	3.00
28226000	Commission Cryogenic System	14-Jul-15	27-Jul-15	2.00	$13,101	6.00	$0	$13,101	$0	3.40
28226005	Cooldown	28-Jul-15	24-Aug-15	4.00	$70,772	29.92	$0	$70,772	$0	3.40
28226010	Torus Operational Tests	25-Aug-15	08-Sep-15	2.00	$34,343	14.38	$0	$34,343	$0	3.40
28226015	Map CLAS12 Torus Field both polarities	09-Sep-15	30-Sep-15	3.20	$18,995	12.00	$0	$18,995	$0	3.40
28226020	Solenoid Cool Down	18-Aug-15	11-Sep-15	3.60	$8,512	3.60	$0	$8,512	$0	0.60
28226025	Solenoid Acceptance Tests and Mapping	14-Sep-15	02-Oct-15	3.00	$5,675	2.40	$0	$5,675	$0	0.60
1.8.2.3 HALL C CHECKOUT AND BEAM COMMISSIONING		15-Jul-14	08-Feb-16	77.00	$205,971	105.90	$0	$205,971	$0	7.40
1.8.2.3.1 HALL C HB AND Q1 TESTING		15-Jul-14	30-Sep-14	11.00	$52,956	23.50	$0	$52,956	$0	54.00
28231000	HB-Acceptance Test	03-Sep-14	30-Sep-14	4.00	$24,572	11.00	$0	$24,572	$0	53.80
28231005	Q1 Cooldown and Acceptance Test	15-Jul-14	25-Aug-14	6.00	$24,572	11.00	$0	$24,572	$0	53.80
28231010	Q1 Harmonic Coil Test	26-Aug-14	02-Sep-14	1.00	$3,812	1.50	$0	$3,812	$0	57.80
1.8.2.3.6 HALL C DIPOLE AND Q2Q3 MAGNET TESTING		02-Jul-15	23-Dec-15	24.00	$110,388	48.80	$0	$110,388	$0	0.00
28236000	Cool Down Dipole Magnet	02-Jul-15	06-Aug-15	5.00	$12,451	6.00	$0	$12,451	$0	0.00
28236005	Dipole Acceptance Test	07-Aug-15	01-Sep-15	3.60	$9,458	4.00	$0	$9,458	$0	0.00
28236010	Q2 Cooldown and Acceptance Test	23-Jul-15	02-Sep-15	6.00	$24,572	11.00	$0	$24,572	$0	0.00
28236015	Q2 HC & FF Test	27-Aug-15	02-Sep-15	1.00	$8,357	3.40	$0	$8,357	$0	8.40
28236020	Q3 Cooldown and Acceptance Test	11-Sep-15	02-Nov-15	7.40	$24,572	11.00	$0	$24,572	$0	0.00
28236025	Q3- HC & FF Test	27-Oct-15	02-Nov-15	1.00	$8,357	3.40	$0	$8,357	$0	0.00
28236030	Power all Magnets together	03-Nov-15	23-Dec-15	7.00	$22,620	10.00	$0	$22,620	$0	0.00
1.8.2.3.X HALL C COMMISSIONG WITH BEAM		02-Feb-16	08-Feb-16	1.00	$42,627	33.60	$0	$42,627	$0	7.40
2823X000	H-C PRE-OPS Cmmssn with Beam	02-Feb-16	08-Feb-16	1.00	$42,627	33.60	$0	$42,627	$0	7.60



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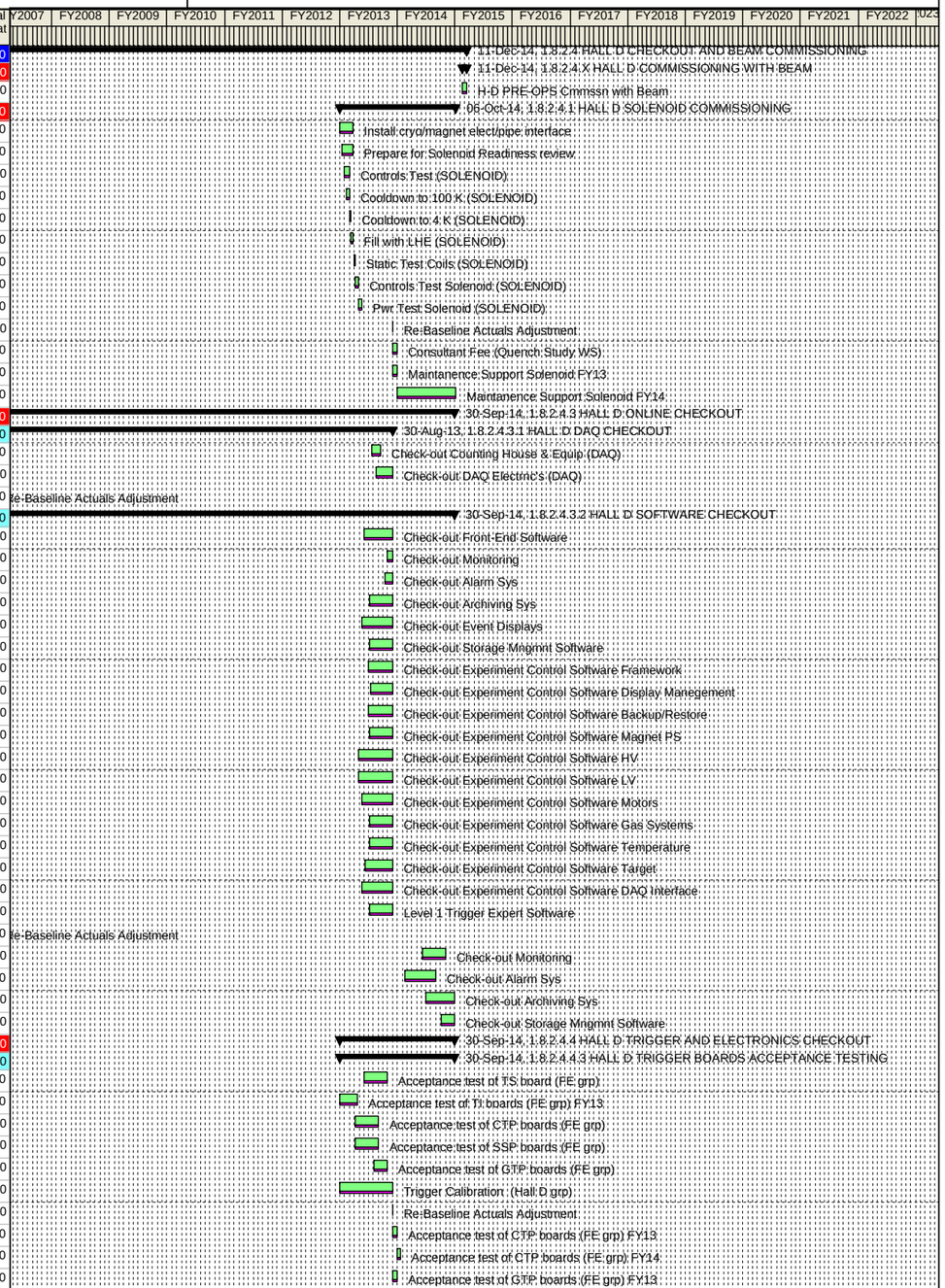
Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
1.8.2.4 HALL D CHECKOUT AND BEAM COMMISSIONING		02-Oct-06	11-Dec-14	406.40	$1,219,083	532.59	($238,539)	$996,744	$16,200	138.40
1.8.2.4.X HALL D COMMISSIONING WITH BEAM		19-Nov-14	11-Dec-14	3.00	$150,945	106.75	$0	$150,945	$0	1.20
2824X000	H-D PRE-OPS Cmmssn with Beam	19-Nov-14	11-Dec-14	3.00	$150,945	106.75	$0	$150,945	$0	1.60
1.8.2.4.1 HALL D SOLENOID COMMISSIONING		01-Oct-12	06-Oct-14	100.00	$342,381	143.98	$35,589	$394,170	$16,200	10.40
18241000	Install cryo/magnet elect/pipe interface	01-Oct-12	21-Dec-12	11.60	$24,948	13.60	$0	$24,948	$0	25.20
18241005	Prepare for Solenoid Readiness review	12-Oct-12	21-Dec-12	9.80	$8,625	2.98	$0	$8,625	$0	25.20
18241010	Controls Test (SOLENOID)	30-Oct-12	03-Dec-12	4.60	$73,441	30.50	$0	$73,441	$0	1.60
18241015	Cooldown to 100 K (SOLENOID)	12-Nov-12	30-Nov-12	2.60	$8,785	4.50	$0	$8,785	$0	18.20
18241020	Cooldown to 4 K (SOLENOID)	03-Dec-12	11-Dec-12	1.40	$2,413	1.20	$0	$2,413	$0	18.20
18241025	Fill with LHE (SOLENOID)	13-Dec-12	21-Dec-12	1.40	$2,413	1.20	$0	$2,413	$0	18.20
18241030	Static Test Coils (SOLENOID)	31-Dec-12	09-Jan-13	1.40	$6,563	3.00	$1,207	$7,771	$0	18.20
18241035	Controls Test Solenoid (SOLENOID)	10-Jan-13	28-Jan-13	2.40	$126,691	48.00	$1,207	$127,899	$0	18.20
18241040	Pwr Test Solenoid (SOLENOID)	29-Jan-13	20-Feb-13	3.20	$56,746	24.00	$1,207	$57,953	$0	18.20
18241050	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$31,367	$31,367	$0	4.00
25213030	Consultant Fee (Quench Study WS)	03-Sep-13	30-Sep-13	4.00	$0	0.00	$600	$600	$0	49.40
28241000	Maintanence Support Solenoid FY13	03-Sep-13	30-Sep-13	4.00	$2,344	1.11	$0	$3,539	$1,196	10.80
28241000a	Maintanence Support Solenoid FY14	01-Oct-13	06-Oct-14	50.20	$29,412	13.89	$0	$44,417	$15,004	10.80
1.8.2.4.3 HALL D ONLINE CHECKOUT		02-Oct-06	30-Sep-14	396.40	$209,441	78.93	($177,839)	$31,602	$0	148.40
1.8.2.4.3.1 HALL D DAQ CHECKOUT		02-Oct-06	30-Aug-13	342.80	$52,893	18.71	($52,893)	$0	$0	202.00
182431000	Check-out Counting House & Equip (DAQ)	22-Apr-13	19-Jun-13	8.40	$30,410	11.00	$0	$30,410	$0	14.20
182431010	Check-out DAQ Electrnc's (DAQ)	21-May-13	30-Aug-13	14.40	$22,482	7.71	$0	$22,482	$0	4.00
182431015	Re-Baseline Actuals Adjustment	02-Oct-06	02-Oct-06	0.20	$0	0.00	($52,893)	($52,893)	$0	544.60
1.8.2.4.3.2 HALL D SOFTWARE CHECKOUT		02-Oct-06	30-Sep-14	396.40	$156,548	60.22	($124,946)	$31,602	$0	148.40
182432000	Check-out Front-End Software	04-Mar-13	30-Aug-13	25.60	$16,278	5.59	$0	$16,278	$0	4.00
182432005	Check-out Monitoring	01-Aug-13	30-Aug-13	4.40	$8,003	2.75	$0	$8,003	$0	4.00
182432010	Check-out Alarm Sys	17-Jul-13	30-Aug-13	6.60	$5,918	2.03	$0	$5,918	$0	4.00
182432015	Check-out Archiving Sys	09-Apr-13	30-Aug-13	20.40	$12,972	4.45	$0	$12,972	$0	4.00
182432020	Check-out Event Displays	15-Feb-13	30-Aug-13	27.60	$8,775	6.15	$0	$8,775	$0	4.00
182432025	Check-out Storage Mngmnt Software	09-Apr-13	30-Aug-13	20.40	$11,356	4.08	$0	$11,356	$0	4.00
182432030	Check-out Experiment Control Software Framework	02-Apr-13	30-Aug-13	21.40	$4,536	1.56	$0	$4,536	$0	4.00
182432035	Check-out Experiment Control Software Display Manegement	16-Apr-13	30-Aug-13	19.40	$4,111	1.41	$0	$4,111	$0	4.00
182432040	Check-out Experiment Control Software Backup/Restore	04-Apr-13	30-Aug-13	21.00	$4,451	1.53	$0	$4,451	$0	4.00
182432045	Check-out Experiment Control Software Magnet PS	09-Apr-13	30-Aug-13	20.40	$4,324	1.48	$0	$4,324	$0	4.00
182432050	Check-out Experiment Control Software HV	29-Jan-13	30-Aug-13	30.20	$6,401	2.20	$0	$6,401	$0	4.00
182432055	Check-out Experiment Control Software LV	29-Jan-13	30-Aug-13	30.20	$4,801	1.65	$0	$4,801	$0	4.00
182432060	Check-out Experiment Control Software Motors	21-Feb-13	30-Aug-13	27.00	$5,722	1.96	$0	$5,722	$0	4.00
182432065	Check-out Experiment Control Software Gas Systems	09-Apr-13	30-Aug-13	20.40	$3,243	1.11	$0	$3,243	$0	4.00
182432070	Check-out Experiment Control Software Temperature	09-Apr-13	30-Aug-13	20.40	$4,324	1.48	$0	$4,324	$0	4.00
182432075	Check-out Experiment Control Software Target	12-Mar-13	30-Aug-13	24.40	$5,172	1.77	$0	$5,172	$0	4.00
182432080	Check-out Experiment Control Software DAQ Interface	21-Feb-13	30-Aug-13	27.00	$2,861	0.98	$0	$2,861	$0	4.00
182432085	Level 1 Trigger Expert Software	10-Apr-13	30-Aug-13	20.20	$11,699	4.04	$0	$11,699	$0	4.00
182432090	Re-Baseline Actuals Adjustment	02-Oct-06	02-Oct-06	0.20	$0	0.00	($124,946)	($124,946)	$0	544.60
282432005	Check-out Monitoring	07-Mar-14	05-Aug-14	21.20	$7,425	4.00	$0	$7,425	$0	7.80
282432010	Check-out Alarm Sys	20-Nov-13	03-Jun-14	25.60	$4,510	3.00	$0	$4,510	$0	16.60
282432015	Check-out Archiving Sys	01-Apr-14	30-Sep-14	25.60	$7,425	4.00	$0	$7,425	$0	0.00
282432025	Check-out Storage Mngmnt Software	08-Jul-14	26-Sep-14	11.60	$12,242	3.00	$0	$12,242	$0	0.40
1.8.2.4.4 HALL D TRIGGER AND ELECTRONICS CHECKOUT		01-Oct-12	30-Sep-14	99.20	$258,323	97.53	($96,289)	$162,034	$0	0.00
1.8.2.4.4.3 HALL D TRIGGER BOARDS ACCEPTANCE TESTING		01-Oct-12	30-Sep-14	99.20	$191,808	65.85	($62,737)	$129,072	$0	0.00
182443000	Acceptance test of TS board (FE grp)	01-Mar-13	30-Jul-13	21.20	$17,474	6.00	$0	$17,474	$0	25.60
182443005	Acceptance test of TI boards (FE grp) FY13	01-Oct-12	18-Jan-13	14.40	$11,335	3.89	$0	$11,335	$0	22.20
182443010	Acceptance test of CTP boards (FE grp)	10-Jan-13	30-May-13	19.60	$23,299	8.00	$0	$23,299	$0	4.00
182443015	Acceptance test of SSP boards (FE grp)	10-Jan-13	30-May-13	19.60	$23,299	8.00	$0	$23,299	$0	4.00
182443020	Acceptance test of GTP boards (FE grp)	09-May-13	30-Jul-13	11.40	$20,387	7.00	$0	$20,387	$0	8.60
182443025	Trigger Calibration (Hall D grp)	01-Oct-12	30-Aug-13	45.60	$26,801	9.20	$0	$26,801	$0	4.00
182443030	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($62,737)	($62,737)	$0	4.00
282443010	Acceptance test of CTP boards (FE grp) FY13	03-Sep-13	30-Sep-13	4.00	$13,294	4.56	$0	$13,294	$0	42.80
282443010a	Acceptance test of CTP boards (FE grp) FY14	01-Oct-13	18-Oct-13	2.80	$9,306	3.20	$0	$9,306	$0	42.80
282443020	Acceptance test of GTP boards (FE grp) FY13	03-Sep-13	30-Sep-13	4.00	$7,154	2.46	$0	$7,154	$0	30.20



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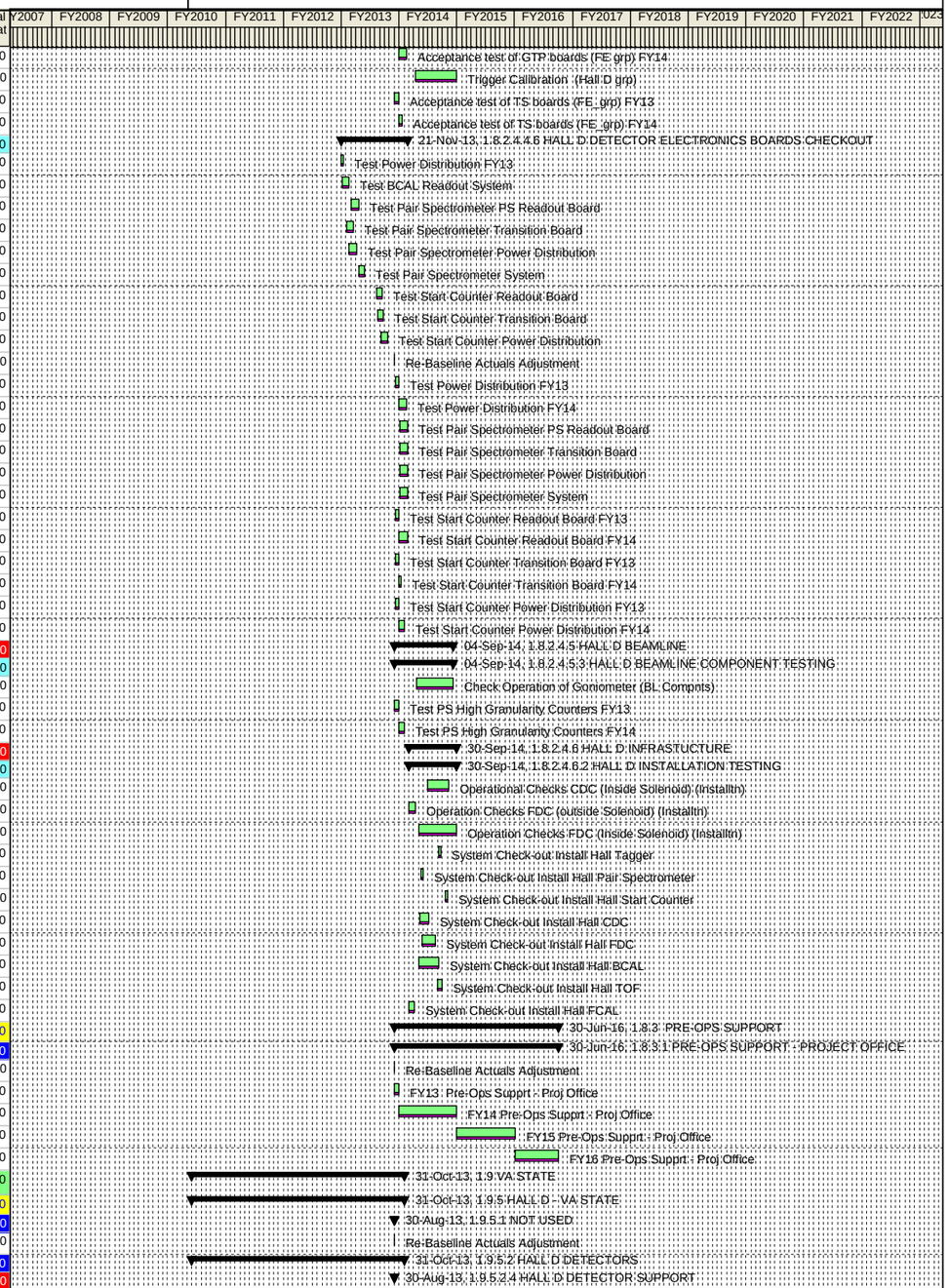
Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
282443020a	Acceptance test of GTP boards (FE grp) FY14	01-Oct-13	20-Nov-13	7.40	$13,233	4.54	$0	$13,233	$0	30.20
282443025a	Trigger Calibration (Hall D grp)	10-Jan-14	30-Sep-14	36.80	$20,401	7.00	$0	$20,401	$0	0.00
282443025a5	Acceptance test of TS boards (FE_grp) FY13	03-Sep-13	30-Sep-13	4.00	$3,328	1.14	$0	$3,328	$0	46.40
282443025a	Acceptance test of TS boards (FE_grp) FY14	01-Oct-13	21-Oct-13	3.00	$2,497	0.86	$0	$2,497	$0	46.40
1.8.2.4.4.6 HALL D DETECTOR ELECTRONICS BOARDS CHECKOUT		01-Oct-12	21-Nov-13	57.20	$66,515	31.68	($33,552)	$32,962	$0	42.00
182446000	Test Power Distribution FY13	01-Oct-12	12-Oct-12	2.00	$2,410	0.83	$0	$2,410	$0	42.60
182446005	Test BCAL Readout System	08-Oct-12	16-Nov-12	6.00	$8,232	4.10	$0	$8,232	$0	42.60
182446010	Test Pair Spectrometer PS Readout Board	05-Dec-12	23-Jan-13	5.80	$5,572	2.55	$0	$5,572	$0	30.20
182446015	Test Pair Spectrometer Transition Board	05-Nov-12	18-Dec-12	6.00	$1,548	0.85	$0	$1,548	$0	34.00
182446020	Test Pair Spectrometer Power Distribution	19-Nov-12	09-Jan-13	6.00	$1,548	0.85	$0	$1,548	$0	32.00
182446025	Test Pair Spectrometer System	24-Jan-13	26-Feb-13	4.60	$5,572	2.55	$0	$5,572	$0	30.20
182446030	Test Start Counter Readout Board	13-May-13	14-Jun-13	4.80	$5,572	2.55	$0	$5,572	$0	14.80
182446035	Test Start Counter Transition Board	20-May-13	21-Jun-13	4.80	$1,548	0.85	$0	$1,548	$0	13.80
182446040	Test Start Counter Power Distribution	10-Jun-13	19-Jul-13	5.80	$1,548	0.85	$0	$1,548	$0	10.00
182446045	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($33,552)	($33,552)	$0	4.00
282446000	Test Power Distribution FY13	09-Sep-13	30-Sep-13	3.20	$2,098	0.96	$0	$2,098	$0	42.60
282446000a	Test Power Distribution FY14	01-Oct-13	15-Nov-13	6.80	$4,458	2.04	$0	$4,458	$0	42.60
282446010	Test Pair Spectrometer PS Readout Board	07-Oct-13	21-Nov-13	6.80	$6,556	3.00	$0	$6,556	$0	39.80
282446015a	Test Pair Spectrometer Transition Board	07-Oct-13	21-Nov-13	6.80	$1,822	1.00	$0	$1,822	$0	39.80
282446020	Test Pair Spectrometer Power Distribution	07-Oct-13	21-Nov-13	6.80	$1,822	1.00	$0	$1,822	$0	39.80
282446025	Test Pair Spectrometer System	07-Oct-13	21-Nov-13	6.80	$6,556	3.00	$0	$6,556	$0	39.80
282446030	Test Start Counter Readout Board FY13	09-Sep-13	30-Sep-13	3.20	$1,943	0.89	$0	$1,943	$0	39.80
282446030a	Test Start Counter Readout Board FY14	01-Oct-13	21-Nov-13	7.60	$4,613	2.11	$0	$4,613	$0	39.80
282446035	Test Start Counter Transition Board FY13	09-Sep-13	30-Sep-13	3.20	$991	0.54	$0	$991	$0	45.60
282446035a	Test Start Counter Transition Board FY14	01-Oct-13	11-Oct-13	1.80	$557	0.31	$0	$557	$0	45.60
282446040	Test Start Counter Power Distribution FY13	09-Sep-13	30-Sep-13	3.20	$619	0.34	$0	$619	$0	42.60
282446040a	Test Start Counter Power Distribution FY14	01-Oct-13	01-Nov-13	4.80	$929	0.51	$0	$929	$0	42.60
1.8.2.4.5 HALL D BEAMLINE		03-Sep-13	04-Sep-14	50.00	$36,792	13.00	$0	$36,792	$0	3.60
1.8.2.4.5.3 HALL D BEAMLINE COMPONENT TESTING		03-Sep-13	04-Sep-14	50.00	$36,792	13.00	$0	$36,792	$0	3.60
282453000	Check Operation of Goniometer (BL Compnts)	21-Jan-14	04-Sep-14	32.00	$23,315	8.00	$0	$23,315	$0	3.60
282453010	Test PS High Granularity Counters FY13	03-Sep-13	30-Sep-13	4.00	$6,126	2.27	$0	$6,126	$0	42.60
282453010a	Test PS High Granularity Counters FY14	01-Oct-13	01-Nov-13	4.80	$7,351	2.73	$0	$7,351	$0	42.60
1.8.2.4.6 HALL D INFRASTUCTURE		02-Dec-13	30-Sep-14	41.20	$221,200	92.40	$0	$221,200	$0	0.00
1.8.2.4.6.2 HALL D INSTALLATION TESTING		02-Dec-13	30-Sep-14	41.20	$221,200	92.40	$0	$221,200	$0	0.00
282462000	Operational Checks CDC (Inside Solenoid) (Installtn)	28-Mar-14	08-Aug-14	18.80	$31,687	12.00	$0	$31,687	$0	3.40
282462005	Operation Checks FDC (outside Solenoid) (Installtn)	02-Dec-13	10-Jan-14	4.40	$32,512	13.40	$0	$32,512	$0	0.00
282462010	Operation Checks FDC (Inside Solenoid) (Installtn)	04-Feb-14	30-Sep-14	33.60	$58,667	22.00	$0	$58,667	$0	0.00
282462015	System Check-out Install Hall Tagger	12-Jun-14	25-Jun-14	2.00	$6,556	3.00	$0	$6,556	$0	13.40
282462020	System Check-out Install Hall Pair Spectrometer	18-Feb-14	03-Mar-14	2.00	$6,556	3.00	$0	$6,556	$0	29.60
282462025	System Check-out Install Hall Start Counter	24-Jul-14	01-Aug-14	1.40	$6,556	3.00	$0	$6,556	$0	8.20
282462030	System Check-out Install Hall CDC	12-Feb-14	04-Apr-14	7.60	$13,111	6.00	$0	$13,111	$0	24.80
282462035	System Check-out Install Hall FDC	26-Feb-14	20-May-14	12.00	$19,667	9.00	$0	$19,667	$0	18.40
282462040	System Check-out Install Hall BCAL	31-Jan-14	06-Jun-14	18.00	$19,667	9.00	$0	$19,667	$0	16.00
282462045	System Check-out Install Hall TOF	03-Jun-14	30-Jun-14	4.00	$6,556	3.00	$0	$6,556	$0	12.80
282462050	System Check-out Install Hall FCAL	02-Dec-13	08-Jan-14	4.00	$19,667	9.00	$0	$19,667	$0	37.00
1.8.3 PRE-OPS SUPPORT		30-Aug-13	30-Jun-16	140.00	$3,897,792	1012.53	$256,354	$4,256,407	$102,261	62.20
1.8.3.1 PRE-OPS SUPPORT - PROJECT OFFICE		30-Aug-13	30-Jun-16	140.00	$3,897,792	1012.53	$256,354	$4,256,407	$102,261	62.20
1831950	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$256,354	$256,354	$0	4.00
2831913LOE	FY13 Pre-Ops Supprt - Proj Office	03-Sep-13	30-Sep-13	4.00	$67,398	17.60	$0	$69,026	$1,628	62.20
2831914LOE	FY14 Pre-Ops Supprt - Proj Office	01-Oct-13	30-Sep-14	49.40	$881,457	224.94	$0	$902,090	$20,634	62.20
2831915LOE	FY15 Pre-Ops Supprt - Proj Office	01-Oct-14	01-Oct-15	49.40	$1,685,107	440.00	$0	$1,725,107	$40,000	62.20
2831916LOE	FY16 Pre-Ops Supprt - Proj Office	02-Oct-15	30-Jun-16	36.80	$1,263,830	330.00	$0	$1,303,830	$40,000	62.20
1.9 VA STATE		01-Mar-10	31-Oct-13	183.40	$42,048	25.12	$8,625,547	$8,832,541	$164,947	45.00
1.9.5 HALL D - VA STATE		01-Mar-10	31-Oct-13	183.40	$0	0.00	$4,451,762	$4,451,762	$0	45.00
1.9.5.1 NOT USED		30-Aug-13	30-Aug-13	0.20	$0	0.00	$193,321	$193,321	$0	4.00
1951000	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$193,321	$193,321	$0	4.00
1.9.5.2 HALL D DETECTORS		01-Mar-10	31-Oct-13	183.40	$0	0.00	$4,258,441	$4,258,441	$0	45.00
1.9.5.2.4 HALL D DETECTOR SUPPORT		30-Aug-13	30-Aug-13	0.20	$0	0.00	$0	$0	$0	4.00



Primary Baseline | Remaining Work | Baseline Milestone
Actual Work | Critical Remaining Work | Milestone

TASK filter: All Activities

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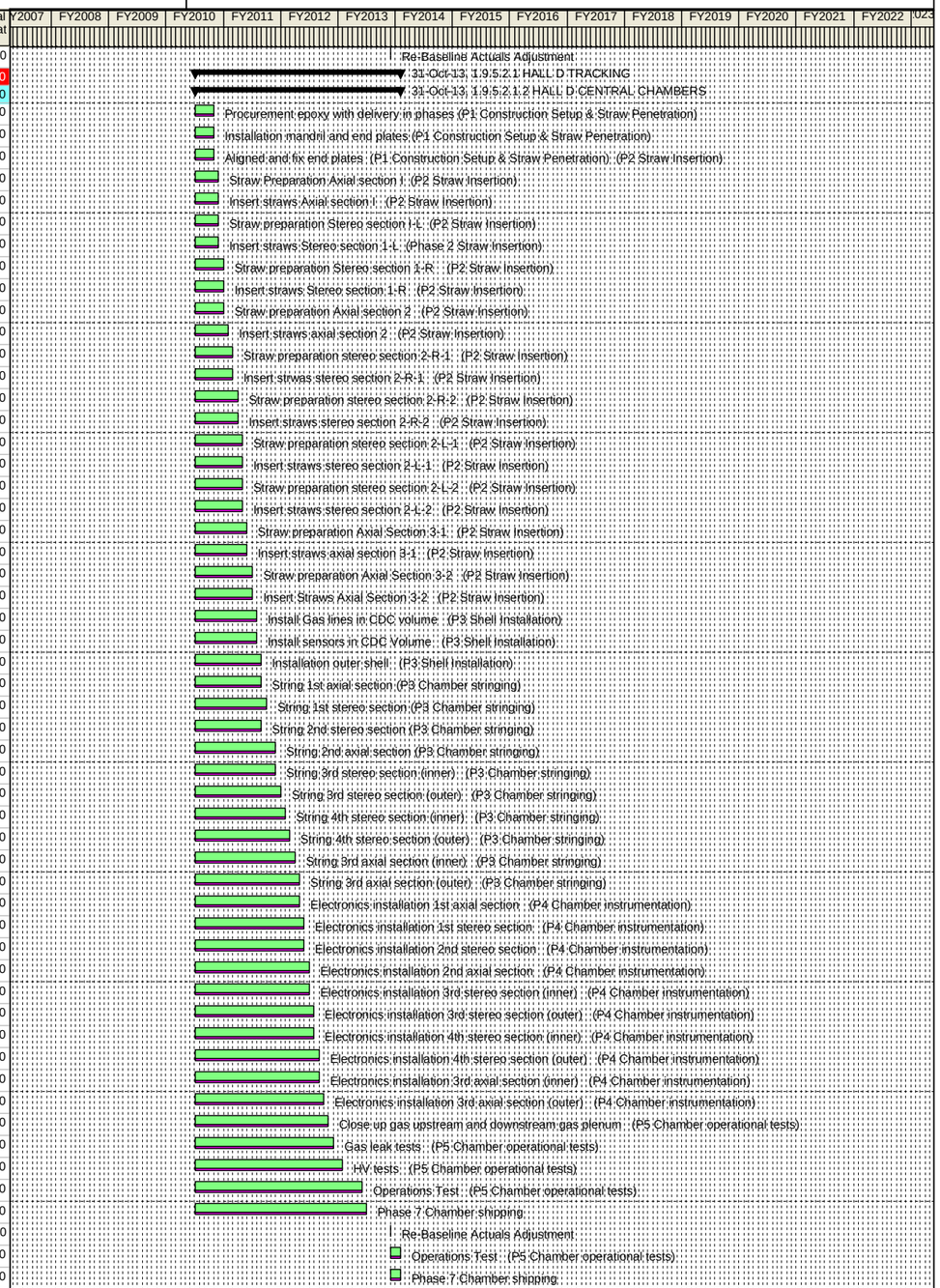
Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
19524000	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	$0	$0	$0	4.00
1.9.5.2.1 HALL D TRACKING		06-Apr-10	31-Oct-13	178.20	$0	0.00	$422,401	$422,401	$0	13.00
1.9.5.2.1.2 HALL D CENTRAL CHAMBERS		06-Apr-10	31-Oct-13	178.20	$0	0.00	$422,401	$422,401	$0	13.00
195212010	Procurement epoxy with delivery in phases (P1 Construction Setup & Straw Penetration)	06-Apr-10	30-Jul-10	16.40	$0	0.00	$22,373	$22,373	$0	11.60
195212015	Installation mandril and end plates (P1 Construction Setup & Straw Penetration)	06-Apr-10	30-Jul-10	16.40	$0	0.00	$6,391	$6,391	$0	11.60
195212020	Aligned and fix end plates (P1 Construction Setup & Straw Penetration) (P2 Straw Inse...	06-Apr-10	30-Jul-10	16.40	$0	0.00	$19,172	$19,172	$0	11.60
195212025	Straw Preparation Axial section I (P2 Straw Insertion)	06-Apr-10	31-Aug-10	20.80	$0	0.00	$3,168	$3,168	$0	11.60
195212030	Insert straws Axial section I (P2 Straw Insertion)	06-Apr-10	31-Aug-10	20.80	$0	0.00	$3,168	$3,168	$0	11.60
195212035	Straw preparation Stereo section I-L (P2 Straw Insertion)	06-Apr-10	31-Aug-10	20.80	$0	0.00	$4,702	$4,702	$0	11.60
195212040	Insert straws Stereo section 1-L (Phase 2 Straw Insertion)	06-Apr-10	31-Aug-10	20.80	$0	0.00	$4,702	$4,702	$0	11.60
195212045	Straw preparation Stereo section 1-R (P2 Straw Insertion)	06-Apr-10	30-Sep-10	25.00	$0	0.00	$6,363	$6,363	$0	11.60
195212050	Insert straws Stereo section 1-R (P2 Straw Insertion)	06-Apr-10	30-Sep-10	25.00	$0	0.00	$6,363	$6,363	$0	11.60
195212055	Straw preparation Axial section 2 (P2 Straw Insertion)	06-Apr-10	30-Sep-10	25.00	$0	0.00	$8,280	$8,280	$0	11.60
195212060	Insert straws axial section 2 (P2 Straw Insertion)	06-Apr-10	29-Oct-10	29.20	$0	0.00	$8,280	$8,280	$0	11.60
195212065	Straw preparation stereo section 2-R-1 (P2 Straw Insertion)	06-Apr-10	30-Nov-10	33.20	$0	0.00	$4,734	$4,734	$0	11.60
195212070	Insert strwas stereo section 2-R-1 (P2 Straw Insertion)	06-Apr-10	30-Nov-10	33.20	$0	0.00	$4,734	$4,734	$0	11.60
195212075	Straw preparation stereo section 2-R-2 (P2 Straw Insertion)	06-Apr-10	30-Dec-10	36.60	$0	0.00	$5,117	$5,117	$0	11.60
195212080	Insert straws stereo section 2-R-2 (P2 Straw Insertion)	06-Apr-10	30-Dec-10	36.60	$0	0.00	$5,117	$5,117	$0	11.60
195212085	Straw preparation stereo section 2-L-1 (P2 Straw Insertion)	06-Apr-10	31-Jan-11	40.60	$0	0.00	$5,500	$5,500	$0	11.60
195212090	Insert straws stereo section 2-L-1 (P2 Straw Insertion)	06-Apr-10	31-Jan-11	40.60	$0	0.00	$5,500	$5,500	$0	11.60
195212095	Straw preparation stereo section 2-L-2 (P2 Straw Insertion)	06-Apr-10	31-Jan-11	40.60	$0	0.00	$5,884	$5,884	$0	11.60
195212100	Insert straws stereo section 2-L-2 (P2 Straw Insertion)	06-Apr-10	31-Jan-11	40.60	$0	0.00	$5,884	$5,884	$0	11.60
195212105	Straw preparation Axial Section 3-1 (P2 Straw Insertion)	06-Apr-10	28-Feb-11	44.40	$0	0.00	$6,395	$6,395	$0	11.60
195212110	Insert straws axial section 3-1 (P2 Straw Insertion)	06-Apr-10	28-Feb-11	44.40	$0	0.00	$6,395	$6,395	$0	11.60
195212115	Straw preparation Axial Section 3-2 (P2 Straw Insertion)	06-Apr-10	31-Mar-11	49.00	$0	0.00	$6,779	$6,779	$0	11.60
195212120	Insert Straws Axial Section 3-2 (P2 Straw Insertion)	06-Apr-10	31-Mar-11	49.00	$0	0.00	$6,779	$6,779	$0	11.60
195212125	Install Gas lines in CDC volume (P3 Shell Installation)	06-Apr-10	29-Apr-11	53.20	$0	0.00	$2,769	$2,769	$0	11.60
195212130	Install sensors in CDC Volume (P3 Shell Installation)	06-Apr-10	29-Apr-11	53.20	$0	0.00	$1,426	$1,426	$0	11.60
195212135	Installation outer shell (P3 Shell Installation)	06-Apr-10	31-May-11	57.40	$0	0.00	$10,586	$10,586	$0	11.60
195212140	String 1st axial section (P3 Chamber stringing)	06-Apr-10	31-May-11	57.40	$0	0.00	$6,335	$6,335	$0	11.60
195212145	String 1st stereo section (P3 Chamber stringing)	06-Apr-10	30-Jun-11	61.80	$0	0.00	$9,403	$9,403	$0	11.60
195212150	String 2nd stereo section (P3 Chamber stringing)	06-Apr-10	31-May-11	57.40	$0	0.00	$12,726	$12,726	$0	11.60
195212155	String 2nd axial section (P3 Chamber stringing)	06-Apr-10	31-Aug-11	70.40	$0	0.00	$16,560	$16,560	$0	11.60
195212160	String 3rd stereo section (inner) (P3 Chamber stringing)	06-Apr-10	31-Aug-11	70.40	$0	0.00	$9,467	$9,467	$0	11.60
195212165	String 3rd stereo section (outer) (P3 Chamber stringing)	06-Apr-10	30-Sep-11	74.60	$0	0.00	$10,234	$10,234	$0	11.60
195212170	String 4th stereo section (inner) (P3 Chamber stringing)	06-Apr-10	31-Oct-11	78.80	$0	0.00	$11,000	$11,000	$0	11.60
195212175	String 4th stereo section (outer) (P3 Chamber stringing)	06-Apr-10	30-Nov-11	82.80	$0	0.00	$11,767	$11,767	$0	11.60
195212180	String 3rd axial section (inner) (P3 Chamber stringing)	06-Apr-10	30-Dec-11	86.20	$0	0.00	$12,790	$12,790	$0	11.60
195212185	String 3rd axial section (outer) (P3 Chamber stringing)	06-Apr-10	31-Jan-12	90.20	$0	0.00	$13,557	$13,557	$0	11.60
195212190	Electronics installation 1st axial section (P4 Chamber instrumentation)	06-Apr-10	31-Jan-12	90.20	$0	0.00	$4,162	$4,162	$0	11.60
195212195	Electronics installation 1st stereo section (P4 Chamber instrumentation)	06-Apr-10	29-Feb-12	94.20	$0	0.00	$6,143	$6,143	$0	11.60
195212200	Electronics installation 2nd stereo section (P4 Chamber instrumentation)	06-Apr-10	29-Feb-12	94.20	$0	0.00	$8,290	$8,290	$0	11.60
195212205	Electronics installation 2nd axial section (P4 Chamber instrumentation)	06-Apr-10	30-Mar-12	98.60	$0	0.00	$10,766	$10,766	$0	11.60
195212210	Electronics installation 3rd stereo section (inner) (P4 Chamber instrumentation)	06-Apr-10	30-Mar-12	98.60	$0	0.00	$6,185	$6,185	$0	11.60
195212215	Electronics installation 3rd stereo section (outer) (P4 Chamber instrumentation)	06-Apr-10	30-Apr-12	102.80	$0	0.00	$6,680	$6,680	$0	11.60
195212220	Electronics installation 4th stereo section (inner) (P4 Chamber instrumentation)	06-Apr-10	30-Apr-12	102.80	$0	0.00	$7,175	$7,175	$0	11.60
195212225	Electronics installation 4th stereo section (outer) (P4 Chamber instrumentation)	06-Apr-10	31-May-12	107.20	$0	0.00	$7,671	$7,671	$0	11.60
195212230	Electronics installation 3rd axial section (inner) (P4 Chamber instrumentation)	06-Apr-10	31-May-12	107.20	$0	0.00	$8,331	$8,331	$0	11.60
195212235	Electronics installation 3rd axial section (outer) (P4 Chamber instrumentation)	06-Apr-10	29-Jun-12	111.20	$0	0.00	$8,826	$8,826	$0	11.60
195212240	Close up gas upstream and downstream gas plenum (P5 Chamber operational tests)	06-Apr-10	31-Jul-12	115.60	$0	0.00	$10,086	$10,086	$0	11.60
195212245	Gas leak tests (P5 Chamber operational tests)	06-Apr-10	31-Aug-12	120.20	$0	0.00	$16,477	$16,477	$0	11.60
195212250	HV tests (P5 Chamber operational tests)	06-Apr-10	31-Oct-12	128.60	$0	0.00	$15,768	$15,768	$0	11.60
195212255	Operations Test (P5 Chamber operational tests)	06-Apr-10	28-Feb-13	143.80	$0	0.00	$10,446	$10,446	$0	11.60
195212260	Phase 7 Chamber shipping	06-Apr-10	29-Mar-13	148.00	$0	0.00	$5,000	$5,000	$0	11.60
195212265	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($61,782)	($61,782)	$0	4.00
295212255	Operations Test (P5 Chamber operational tests)	03-Sep-13	31-Oct-13	8.60	$0	0.00	$56,782	$56,782	$0	12.60
295212260	Phase 7 Chamber shipping	03-Sep-13	31-Oct-13	8.60	$0	0.00	$5,000	$5,000	$0	12.60



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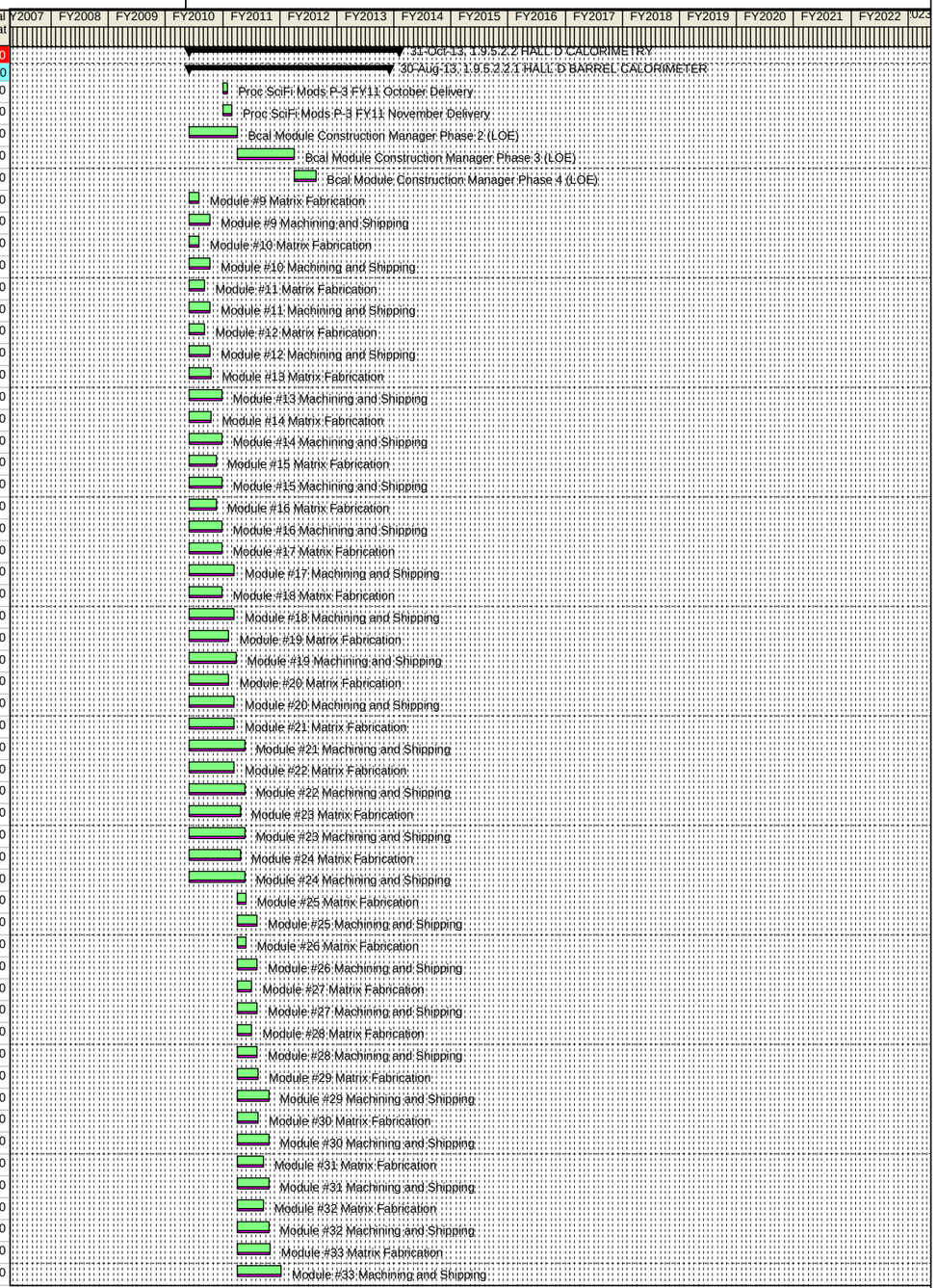
Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
1.9.5.2.2 HALL D CALORIMETRY		01-Mar-10	31-Oct-13	183.40	$0	0.00	$3,836,040	$3,836,040	$0	45.00
1.9.5.2.2.1 HALL D BARREL CALORIMETER		02-Mar-10	30-Aug-13	174.60	$0	0.00	$2,808,940	$2,808,940	$0	4.00
195221000	Proc SciFi Mods P-3 FY11 October Delivery	01-Oct-10	29-Oct-10	4.20	$0	0.00	$104,886	$104,886	$0	44.00
195221001	Proc SciFi Mods P-3 FY11 November Delivery	01-Oct-10	30-Nov-10	8.20	$0	0.00	$104,886	$104,886	$0	44.00
195221015	Bcal Module Construction Manager Phase 2 (LOE)	02-Mar-10	31-Dec-10	41.80	$0	0.00	$81,180	$81,180	$0	16.80
195221020	Bcal Module Construction Manager Phase 3 (LOE)	04-Jan-11	30-Dec-11	49.40	$0	0.00	$95,832	$95,832	$0	16.80
195221025	Bcal Module Construction Manager Phase 4 (LOE)	03-Jan-12	22-May-12	19.80	$0	0.00	$36,828	$36,828	$0	16.80
195221030	Module #9 Matrix Fabrication	02-Mar-10	30-Apr-10	8.80	$0	0.00	$12,842	$12,842	$0	119.00
195221035	Module #9 Machining and Shipping	02-Mar-10	12-Jul-10	18.60	$0	0.00	$4,607	$4,607	$0	108.20
195221040	Module #10 Matrix Fabrication	02-Mar-10	30-Apr-10	8.80	$0	0.00	$12,842	$12,842	$0	119.00
195221045	Module #10 Machining and Shipping	02-Mar-10	12-Jul-10	18.60	$0	0.00	$4,607	$4,607	$0	108.20
195221050	Module #11 Matrix Fabrication	02-Mar-10	08-Jun-10	14.00	$0	0.00	$12,842	$12,842	$0	113.80
195221055	Module #11 Machining and Shipping	02-Mar-10	12-Jul-10	18.60	$0	0.00	$4,607	$4,607	$0	108.20
195221060	Module #12 Matrix Fabrication	02-Mar-10	08-Jun-10	14.00	$0	0.00	$12,842	$12,842	$0	113.80
195221065	Module #12 Machining and Shipping	02-Mar-10	12-Jul-10	18.60	$0	0.00	$4,607	$4,607	$0	108.20
195221070	Module #13 Matrix Fabrication	02-Mar-10	15-Jul-10	19.20	$0	0.00	$12,842	$12,842	$0	108.60
195221075	Module #13 Machining and Shipping	02-Mar-10	24-Sep-10	29.20	$0	0.00	$4,607	$4,607	$0	97.60
195221080	Module #14 Matrix Fabrication	02-Mar-10	15-Jul-10	19.20	$0	0.00	$12,842	$12,842	$0	108.60
195221085	Module #14 Machining and Shipping	02-Mar-10	24-Sep-10	29.20	$0	0.00	$4,607	$4,607	$0	97.60
195221090	Module #15 Matrix Fabrication	02-Mar-10	23-Aug-10	24.60	$0	0.00	$12,842	$12,842	$0	103.20
195221095	Module #15 Machining and Shipping	02-Mar-10	24-Sep-10	29.20	$0	0.00	$4,607	$4,607	$0	97.60
195221100	Module #16 Matrix Fabrication	02-Mar-10	23-Aug-10	24.60	$0	0.00	$12,842	$12,842	$0	103.20
195221105	Module #16 Machining and Shipping	02-Mar-10	24-Sep-10	29.20	$0	0.00	$4,607	$4,607	$0	97.60
195221110	Module #17 Matrix Fabrication	02-Mar-10	29-Sep-10	29.80	$0	0.00	$12,842	$12,842	$0	98.00
195221115	Module #17 Machining and Shipping	02-Mar-10	09-Dec-10	39.60	$0	0.00	$4,607	$4,607	$0	87.20
195221120	Module #18 Matrix Fabrication	02-Mar-10	29-Sep-10	29.80	$0	0.00	$12,842	$12,842	$0	98.00
195221125	Module #18 Machining and Shipping	02-Mar-10	09-Dec-10	39.60	$0	0.00	$4,607	$4,607	$0	87.20
195221130	Module #19 Matrix Fabrication	02-Mar-10	05-Nov-10	35.20	$0	0.00	$12,842	$12,842	$0	92.60
195221135	Module #19 Machining and Shipping	02-Mar-10	29-Dec-10	41.40	$0	0.00	$4,607	$4,607	$0	85.40
195221140	Module #20 Matrix Fabrication	02-Mar-10	05-Nov-10	35.20	$0	0.00	$12,842	$12,842	$0	92.60
195221145	Module #20 Machining and Shipping	02-Mar-10	09-Dec-10	39.60	$0	0.00	$4,607	$4,607	$0	87.20
195221150	Module #21 Matrix Fabrication	02-Mar-10	14-Dec-10	40.20	$0	0.00	$12,842	$12,842	$0	87.60
195221155	Module #21 Machining and Shipping	02-Mar-10	23-Feb-11	48.80	$0	0.00	$4,607	$4,607	$0	78.00
195221160	Module #22 Matrix Fabrication	02-Mar-10	14-Dec-10	40.20	$0	0.00	$12,842	$12,842	$0	87.60
195221165	Module #22 Machining and Shipping	02-Mar-10	23-Feb-11	48.80	$0	0.00	$4,607	$4,607	$0	78.00
195221170	Module #23 Matrix Fabrication	02-Mar-10	20-Jan-11	44.20	$0	0.00	$12,842	$12,842	$0	83.60
195221175	Module #23 Machining and Shipping	02-Mar-10	23-Feb-11	48.80	$0	0.00	$4,607	$4,607	$0	78.00
195221180	Module #24 Matrix Fabrication	02-Mar-10	20-Jan-11	44.20	$0	0.00	$12,842	$12,842	$0	83.60
195221185	Module #24 Machining and Shipping	02-Mar-10	23-Feb-11	48.80	$0	0.00	$4,607	$4,607	$0	78.00
195221190	Module #25 Matrix Fabrication	04-Jan-11	28-Feb-11	7.60	$0	0.00	$12,842	$12,842	$0	78.40
195221195	Module #25 Machining and Shipping	04-Jan-11	10-May-11	17.80	$0	0.00	$4,607	$4,607	$0	67.20
195221200	Module #26 Matrix Fabrication	04-Jan-11	28-Feb-11	7.60	$0	0.00	$12,842	$12,842	$0	78.40
195221205	Module #26 Machining and Shipping	04-Jan-11	10-May-11	17.80	$0	0.00	$4,607	$4,607	$0	67.20
195221210	Module #27 Matrix Fabrication	04-Jan-11	06-Apr-11	13.00	$0	0.00	$12,842	$12,842	$0	73.00
195221215	Module #27 Machining and Shipping	04-Jan-11	10-May-11	17.80	$0	0.00	$4,607	$4,607	$0	67.20
195221220	Module #28 Matrix Fabrication	04-Jan-11	06-Apr-11	13.00	$0	0.00	$12,842	$12,842	$0	73.00
195221225	Module #28 Machining and Shipping	04-Jan-11	10-May-11	17.80	$0	0.00	$4,607	$4,607	$0	67.20
195221230	Module #29 Matrix Fabrication	04-Jan-11	13-May-11	18.40	$0	0.00	$12,842	$12,842	$0	67.60
195221235	Module #29 Machining and Shipping	04-Jan-11	25-Jul-11	28.20	$0	0.00	$4,607	$4,607	$0	56.80
195221240	Module #30 Matrix Fabrication	04-Jan-11	13-May-11	18.40	$0	0.00	$12,842	$12,842	$0	67.60
195221245	Module #30 Machining and Shipping	04-Jan-11	25-Jul-11	28.20	$0	0.00	$4,607	$4,607	$0	56.80
195221250	Module #31 Matrix Fabrication	04-Jan-11	21-Jun-11	23.60	$0	0.00	$12,842	$12,842	$0	62.40
195221255	Module #31 Machining and Shipping	04-Jan-11	25-Jul-11	28.20	$0	0.00	$4,607	$4,607	$0	56.80
195221260	Module #32 Matrix Fabrication	04-Jan-11	21-Jun-11	23.60	$0	0.00	$12,842	$12,842	$0	62.40
195221265	Module #32 Machining and Shipping	04-Jan-11	25-Jul-11	28.20	$0	0.00	$4,607	$4,607	$0	56.80
195221270	Module #33 Matrix Fabrication	04-Jan-11	28-Jul-11	28.80	$0	0.00	$12,842	$12,842	$0	57.20
195221275	Module #33 Machining and Shipping	04-Jan-11	07-Oct-11	38.80	$0	0.00	$4,607	$4,607	$0	46.20



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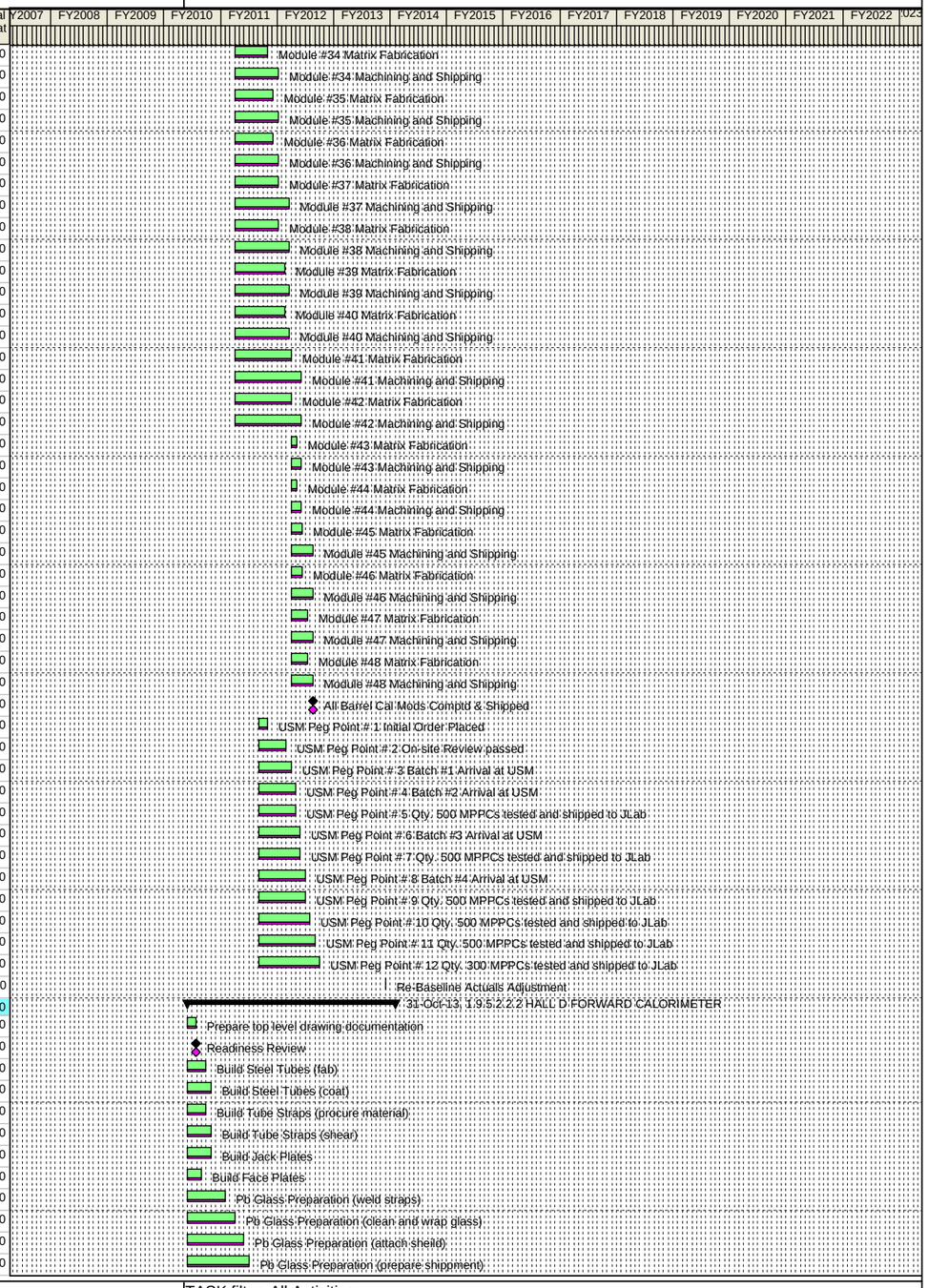
Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
195221285	Module #34 Matrix Fabrication	04-Jan-11	28-Jul-11	28.80	$0	0.00	$12,842	$12,842	$0	57.20
195221290	Module #34 Machining and Shipping	04-Jan-11	07-Oct-11	38.80	$0	0.00	$4,607	$4,607	$0	46.20
195221295	Module #35 Matrix Fabrication	04-Jan-11	06-Sep-11	34.20	$0	0.00	$12,842	$12,842	$0	51.80
195221300	Module #35 Machining and Shipping	04-Jan-11	07-Oct-11	38.80	$0	0.00	$4,607	$4,607	$0	46.20
195221305	Module #36 Matrix Fabrication	04-Jan-11	06-Sep-11	34.20	$0	0.00	$12,842	$12,842	$0	51.80
195221310	Module #36 Machining and Shipping	04-Jan-11	07-Oct-11	38.80	$0	0.00	$4,607	$4,607	$0	46.20
195221315	Module #37 Matrix Fabrication	04-Jan-11	12-Oct-11	39.40	$0	0.00	$12,842	$12,842	$0	46.60
195221320	Module #37 Machining and Shipping	04-Jan-11	21-Dec-11	49.00	$0	0.00	$4,607	$4,607	$0	36.00
195221325	Module #38 Matrix Fabrication	04-Jan-11	12-Oct-11	39.40	$0	0.00	$12,842	$12,842	$0	46.60
195221330	Module #38 Machining and Shipping	04-Jan-11	21-Dec-11	49.00	$0	0.00	$4,607	$4,607	$0	36.00
195221335	Module #39 Matrix Fabrication	04-Jan-11	18-Nov-11	44.80	$0	0.00	$12,842	$12,842	$0	41.20
195221340	Module #39 Machining and Shipping	04-Jan-11	21-Dec-11	49.00	$0	0.00	$4,607	$4,607	$0	36.00
195221345	Module #40 Matrix Fabrication	04-Jan-11	18-Nov-11	44.80	$0	0.00	$12,842	$12,842	$0	41.20
195221350	Module #40 Machining and Shipping	04-Jan-11	21-Dec-11	49.00	$0	0.00	$4,607	$4,607	$0	36.00
195221355	Module #41 Matrix Fabrication	04-Jan-11	29-Dec-11	49.20	$0	0.00	$12,842	$12,842	$0	36.80
195221360	Module #41 Machining and Shipping	04-Jan-11	07-Mar-12	58.40	$0	0.00	$4,607	$4,607	$0	26.60
195221365	Module #42 Matrix Fabrication	04-Jan-11	29-Dec-11	49.20	$0	0.00	$12,842	$12,842	$0	36.80
195221370	Module #42 Machining and Shipping	04-Jan-11	07-Mar-12	58.40	$0	0.00	$4,607	$4,607	$0	26.60
195221375	Module #43 Matrix Fabrication	04-Jan-12	02-Feb-12	4.20	$0	0.00	$12,842	$12,842	$0	32.20
195221380	Module #43 Machining and Shipping	04-Jan-12	07-Mar-12	8.80	$0	0.00	$4,607	$4,607	$0	26.60
195221385	Module #44 Matrix Fabrication	04-Jan-12	02-Feb-12	4.20	$0	0.00	$12,842	$12,842	$0	32.20
195221390	Module #44 Machining and Shipping	04-Jan-12	07-Mar-12	8.80	$0	0.00	$4,607	$4,607	$0	26.60
195221395	Module #45 Matrix Fabrication	04-Jan-12	12-Mar-12	9.40	$0	0.00	$12,842	$12,842	$0	27.00
195221400	Module #45 Machining and Shipping	04-Jan-12	22-May-12	19.60	$0	0.00	$4,607	$4,607	$0	15.80
195221405	Module #46 Matrix Fabrication	04-Jan-12	12-Mar-12	9.40	$0	0.00	$12,842	$12,842	$0	27.00
195221410	Module #46 Machining and Shipping	04-Jan-12	22-May-12	19.60	$0	0.00	$4,607	$4,607	$0	15.80
195221415	Module #47 Matrix Fabrication	04-Jan-12	18-Apr-12	14.80	$0	0.00	$12,842	$12,842	$0	21.60
195221420	Module #47 Machining and Shipping	04-Jan-12	22-May-12	19.60	$0	0.00	$4,607	$4,607	$0	15.80
195221425	Module #48 Matrix Fabrication	04-Jan-12	18-Apr-12	14.80	$0	0.00	$12,842	$12,842	$0	21.60
195221430	Module #48 Machining and Shipping	04-Jan-12	22-May-12	19.60	$0	0.00	$4,607	$4,607	$0	15.80
195221435M	All Barrel Cal Mods Comptd & Shipped		22-May-12	0.00	$0	0.00	$0	$0	$0	16.80
195221450	USM Peg Point # 1 Initial Order Placed	09-Jun-11	29-Jul-11	7.20	$0	0.00	$282,500	$282,500	$0	62.40
195221455	USM Peg Point # 2 On-site Review passed	09-Jun-11	30-Nov-11	24.20	$0	0.00	$282,500	$282,500	$0	62.40
195221460	USM Peg Point # 3 Batch #1 Arrival at USM	09-Jun-11	30-Dec-11	27.60	$0	0.00	$282,500	$282,500	$0	62.40
195221465	USM Peg Point # 4 Batch #2 Arrival at USM	09-Jun-11	31-Jan-12	31.60	$0	0.00	$282,500	$282,500	$0	62.40
195221470	USM Peg Point # 5 Qty. 500 MPPCs tested and shipped to JLab	09-Jun-11	31-Jan-12	31.60	$0	0.00	$18,928	$18,928	$0	62.40
195221475	USM Peg Point # 6 Batch #3 Arrival at USM	09-Jun-11	29-Feb-12	35.60	$0	0.00	$282,500	$282,500	$0	62.40
195221480	USM Peg Point # 7 Qty. 500 MPPCs tested and shipped to JLab	09-Jun-11	29-Feb-12	35.60	$0	0.00	$18,928	$18,928	$0	62.40
195221485	USM Peg Point # 8 Batch #4 Arrival at USM	09-Jun-11	30-Mar-12	40.00	$0	0.00	$169,500	$169,500	$0	62.40
195221490	USM Peg Point # 9 Qty. 500 MPPCs tested and shipped to JLab	09-Jun-11	30-Mar-12	40.00	$0	0.00	$18,928	$18,928	$0	62.40
195221495	USM Peg Point # 10 Qty. 500 MPPCs tested and shipped to JLab	09-Jun-11	30-Apr-12	44.20	$0	0.00	$18,928	$18,928	$0	62.40
195221500	USM Peg Point # 11 Qty. 500 MPPCs tested and shipped to JLab	09-Jun-11	31-May-12	48.60	$0	0.00	$18,928	$18,928	$0	62.40
195221505	USM Peg Point # 12 Qty. 300 MPPCs tested and shipped to JLab	09-Jun-11	29-Jun-12	52.60	$0	0.00	$11,760	$11,760	$0	62.40
195221510	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($1,033)	($1,033)	$0	4.00
1.9.5.2.2.2 HALL D FORWARD CALORIMETER		01-Mar-10	31-Oct-13	183.40	$0	0.00	$1,027,100	$1,027,100	$0	45.00
195222010	Prepare top level drawing documentation	01-Mar-10	28-Apr-10	8.60	$0	0.00	$0	$0	$0	29.60
195222015M	Readiness Review	29-Apr-10		0.00	$0	0.00	$0	$0	$0	29.60
195222020	Build Steel Tubes (fab)	01-Mar-10	30-Jun-10	17.40	$0	0.00	$52,686	$52,686	$0	29.60
195222025	Build Steel Tubes (coat)	01-Mar-10	30-Jul-10	21.60	$0	0.00	$1,409	$1,409	$0	29.60
195222030	Build Tube Straps (procure material)	01-Mar-10	30-Jun-10	17.40	$0	0.00	$1,932	$1,932	$0	29.60
195222035	Build Tube Straps (shear)	01-Mar-10	30-Jul-10	21.60	$0	0.00	$2,239	$2,239	$0	29.60
195222040	Build Jack Plates	01-Mar-10	30-Jul-10	21.60	$0	0.00	$21,017	$21,017	$0	29.60
195222045	Build Face Plates	01-Mar-10	28-May-10	13.00	$0	0.00	$6,862	$6,862	$0	29.60
195222050	Pb Glass Preparation (weld straps)	01-Mar-10	29-Oct-10	34.40	$0	0.00	$13,830	$13,830	$0	29.60
195222055	Pb Glass Preparation (clean and wrap glass)	01-Mar-10	30-Dec-10	41.80	$0	0.00	$9,267	$9,267	$0	29.60
195222060	Pb Glass Preparation (attach sheild)	01-Mar-10	28-Feb-11	49.60	$0	0.00	$10,229	$10,229	$0	29.60
195222065	Pb Glass Preparation (prepare shippment)	01-Mar-10	31-Mar-11	54.20	$0	0.00	$3,120	$3,120	$0	29.60



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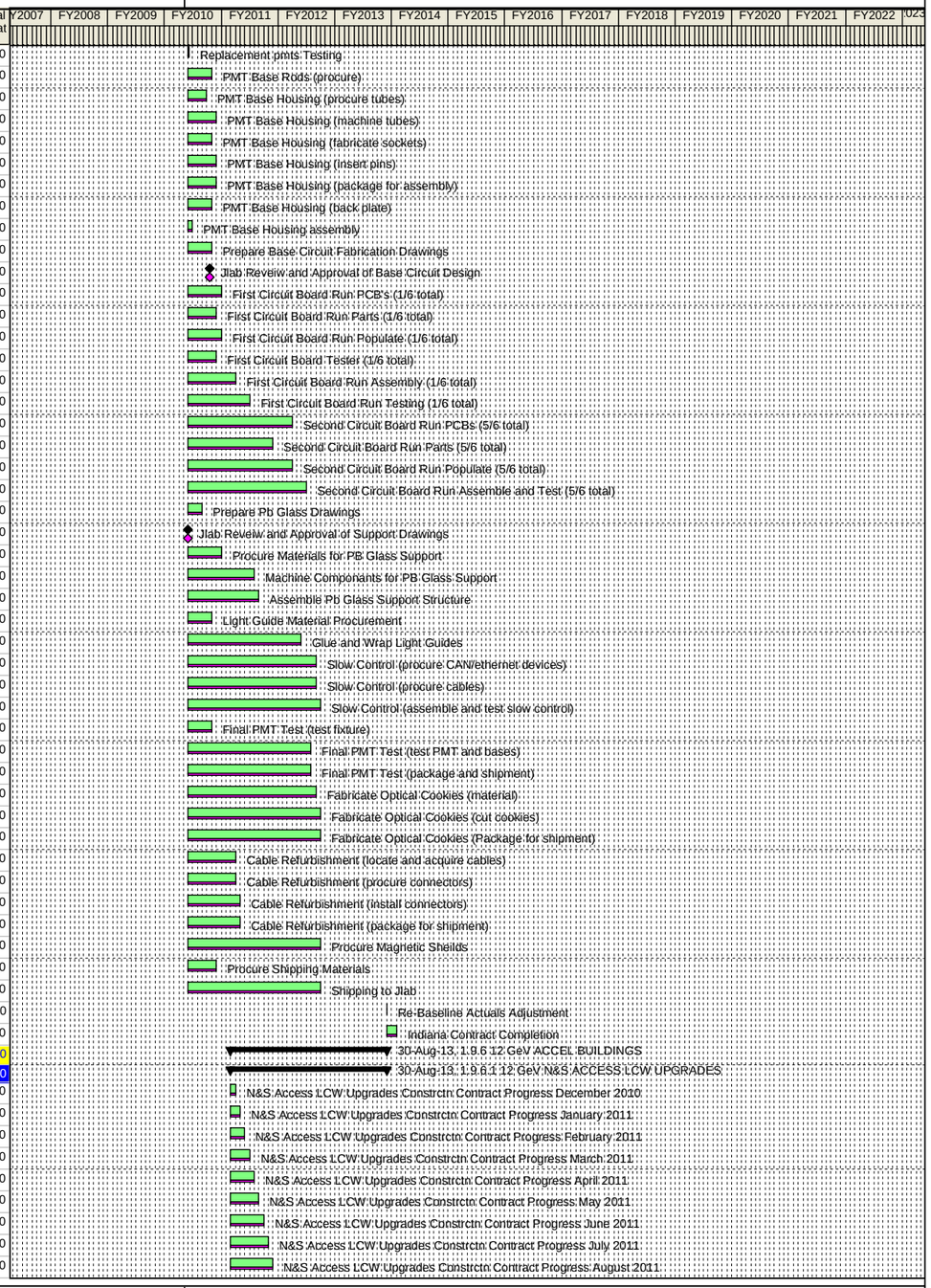
Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
195222070	Replacement pmts Testing	01-Mar-10	05-Mar-10	1.00	$0	0.00	$1,040	$1,040	$0	29.60
195222075	PMT Base Rods (procure)	01-Mar-10	30-Jul-10	21.60	$0	0.00	$22,847	$22,847	$0	29.60
195222080	PMT Base Housing (procure tubes)	01-Mar-10	30-Jun-10	17.40	$0	0.00	$9,581	$9,581	$0	29.60
195222085	PMT Base Housing (machine tubes)	01-Mar-10	31-Aug-10	26.00	$0	0.00	$3,864	$3,864	$0	29.60
195222090	PMT Base Housing (fabricate sockets)	01-Mar-10	30-Jul-10	21.60	$0	0.00	$16,240	$16,240	$0	29.60
195222095	PMT Base Housing (insert pins)	01-Mar-10	31-Aug-10	26.00	$0	0.00	$4,159	$4,159	$0	29.60
195222100	PMT Base Housing (package for assembly)	01-Mar-10	31-Aug-10	26.00	$0	0.00	$208	$208	$0	29.60
195222105	PMT Base Housing (back plate)	01-Mar-10	30-Jul-10	21.60	$0	0.00	$12,628	$12,628	$0	29.60
195222110	PMT Base Housing assembly	01-Mar-10	31-Mar-10	4.60	$0	0.00	$1,040	$1,040	$0	29.60
195222115	Prepare Base Circuit Fabrication Drawings	01-Mar-10	30-Jul-10	21.60	$0	0.00	$11,079	$11,079	$0	29.60
195222120M	Jlab Reveiw and Approval of Base Circuit Design	21-Jul-10		0.00	$0	0.00	$0	$0	$0	31.20
195222125	First Circuit Board Run PCB's (1/6 total)	01-Mar-10	30-Sep-10	30.20	$0	0.00	$12,718	$12,718	$0	29.60
195222130	First Circuit Board Run Parts (1/6 total)	01-Mar-10	31-Aug-10	26.00	$0	0.00	$84,170	$84,170	$0	29.60
195222135	First Circuit Board Run Populate (1/6 total)	01-Mar-10	30-Sep-10	30.20	$0	0.00	$35,709	$35,709	$0	29.60
195222140	First Circuit Board Tester (1/6 total)	01-Mar-10	31-Aug-10	26.00	$0	0.00	$4,088	$4,088	$0	29.60
195222145	First Circuit Board Run Assembly (1/6 total)	01-Mar-10	30-Dec-10	41.80	$0	0.00	$13,226	$13,226	$0	29.60
195222150	First Circuit Board Run Testing (1/6 total)	01-Mar-10	31-Mar-11	54.20	$0	0.00	$44,316	$44,316	$0	29.60
195222155	Second Circuit Board Run PCBs (5/6 total)	01-Mar-10	30-Dec-11	91.40	$0	0.00	$33,283	$33,283	$0	29.60
195222160	Second Circuit Board Run Parts (5/6 total)	01-Mar-10	31-Aug-11	75.60	$0	0.00	$186,396	$186,396	$0	29.60
195222165	Second Circuit Board Run Populate (5/6 total)	01-Mar-10	30-Dec-11	91.40	$0	0.00	$156,132	$156,132	$0	29.60
195222170	Second Circuit Board Run Assemble and Test (5/6 total)	01-Mar-10	30-Mar-12	103.80	$0	0.00	$64,990	$64,990	$0	29.60
195222175	Prepare Pb Glass Drawings	01-Mar-10	28-May-10	13.00	$0	0.00	$0	$0	$0	29.60
195222180M	Jlab Reveiw and Approval of Support Drawings	01-Mar-10		0.00	$0	0.00	$0	$0	$0	42.60
195222185	Procure Materials for PB Glass Support	01-Mar-10	30-Sep-10	30.20	$0	0.00	$11,882	$11,882	$0	29.60
195222190	Machine Componants for PB Glass Support	01-Mar-10	29-Apr-11	58.40	$0	0.00	$2,778	$2,778	$0	29.60
195222195	Assemble Pb Glass Support Structure	01-Mar-10	31-May-11	62.60	$0	0.00	$14,473	$14,473	$0	29.60
195222200	Light Guide Material Procurement	01-Mar-10	30-Jul-10	21.60	$0	0.00	$9,062	$9,062	$0	29.60
195222205	Glue and Wrap Light Guides	01-Mar-10	29-Feb-12	99.40	$0	0.00	$19,254	$19,254	$0	29.60
195222210	Slow Control (procure CAN/ethernet devices)	01-Mar-10	31-May-12	112.40	$0	0.00	$6,933	$6,933	$0	29.60
195222215	Slow Control (procure cables)	01-Mar-10	31-May-12	112.40	$0	0.00	$5,185	$5,185	$0	29.60
195222220	Slow Control (assemble and test slow control)	01-Mar-10	29-Jun-12	116.40	$0	0.00	$3,120	$3,120	$0	29.60
195222225	Final PMT Test (test fixture)	01-Mar-10	30-Jul-10	21.60	$0	0.00	$2,722	$2,722	$0	29.60
195222230	Final PMT Test (test PMT and bases)	01-Mar-10	30-Apr-12	108.00	$0	0.00	$6,239	$6,239	$0	29.60
195222235	Final PMT Test (package and shipment)	01-Mar-10	30-Apr-12	108.00	$0	0.00	$1,560	$1,560	$0	29.60
195222240	Fabricate Optical Cookies (material)	01-Mar-10	31-May-12	112.40	$0	0.00	$8,331	$8,331	$0	29.60
195222245	Fabricate Optical Cookies (cut cookies)	01-Mar-10	29-Jun-12	116.40	$0	0.00	$1,757	$1,757	$0	29.60
195222250	Fabricate Optical Cookies (Package for shipment)	01-Mar-10	29-Jun-12	116.40	$0	0.00	$520	$520	$0	29.60
195222255	Cable Refurbishment (locate and acquire cables)	01-Mar-10	30-Dec-10	41.80	$0	0.00	$4,902	$4,902	$0	29.60
195222260	Cable Refurbishment (procure connectors)	01-Mar-10	30-Dec-10	41.80	$0	0.00	$13,749	$13,749	$0	29.60
195222265	Cable Refurbishment (install connectors)	01-Mar-10	31-Jan-11	45.80	$0	0.00	$1,560	$1,560	$0	29.60
195222270	Cable Refurbishment (package for shipment)	01-Mar-10	31-Jan-11	45.80	$0	0.00	$520	$520	$0	29.60
195222275	Procure Magnetic Sheilds	01-Mar-10	29-Jun-12	116.40	$0	0.00	$49,663	$49,663	$0	29.60
195222280	Procure Shipping Materials	01-Mar-10	31-Aug-10	26.00	$0	0.00	$13,396	$13,396	$0	29.60
195222285	Shipping to Jlab	01-Mar-10	29-Jun-12	116.40	$0	0.00	$9,189	$9,189	$0	29.60
195222290	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($8,558)	($8,558)	$0	4.00
295222000	Indiana Contract Completion	03-Sep-13	31-Oct-13	8.60	$0	0.00	$8,558	$8,558	$0	44.80
1.9.6 12 GeV ACCEL BUILDINGS		01-Dec-10	30-Aug-13	136.40	$0	0.00	$3,424,260	$3,424,260	$0	4.20
1.9.6.1 12 GeV N&S ACCESS LCW UPGRADES		01-Dec-10	30-Aug-13	136.40	$0	0.00	$3,424,260	$3,424,260	$0	4.20
1961000	N&S Access LCW Upgrades Constrctn Contract Progress December 2010	01-Dec-10	30-Dec-10	3.40	$0	0.00	$0	$0	$0	95.00
1961000a	N&S Access LCW Upgrades Constrctn Contract Progress January 2011	01-Dec-10	31-Jan-11	7.40	$0	0.00	$0	$0	$0	95.00
1961000b	N&S Access LCW Upgrades Constrctn Contract Progress February 2011	01-Dec-10	28-Feb-11	11.20	$0	0.00	$0	$0	$0	95.00
1961000c	N&S Access LCW Upgrades Constrctn Contract Progress March 2011	01-Dec-10	31-Mar-11	15.80	$0	0.00	$184,600	$184,600	$0	95.00
1961000d	N&S Access LCW Upgrades Constrctn Contract Progress April 2011	01-Dec-10	29-Apr-11	20.00	$0	0.00	$844,600	$844,600	$0	95.00
1961000f	N&S Access LCW Upgrades Constrctn Contract Progress May 2011	01-Dec-10	31-May-11	24.20	$0	0.00	$1,106,800	$1,106,800	$0	95.00
1961000g	N&S Access LCW Upgrades Constrctn Contract Progress June 2011	01-Dec-10	30-Jun-11	28.60	$0	0.00	$420,200	$420,200	$0	95.00
1961000h	N&S Access LCW Upgrades Constrctn Contract Progress July 2011	01-Dec-10	29-Jul-11	32.60	$0	0.00	$227,100	$227,100	$0	95.00
1961000j	N&S Access LCW Upgrades Constrctn Contract Progress August 2011	01-Dec-10	31-Aug-11	37.20	$0	0.00	$239,000	$239,000	$0	95.00



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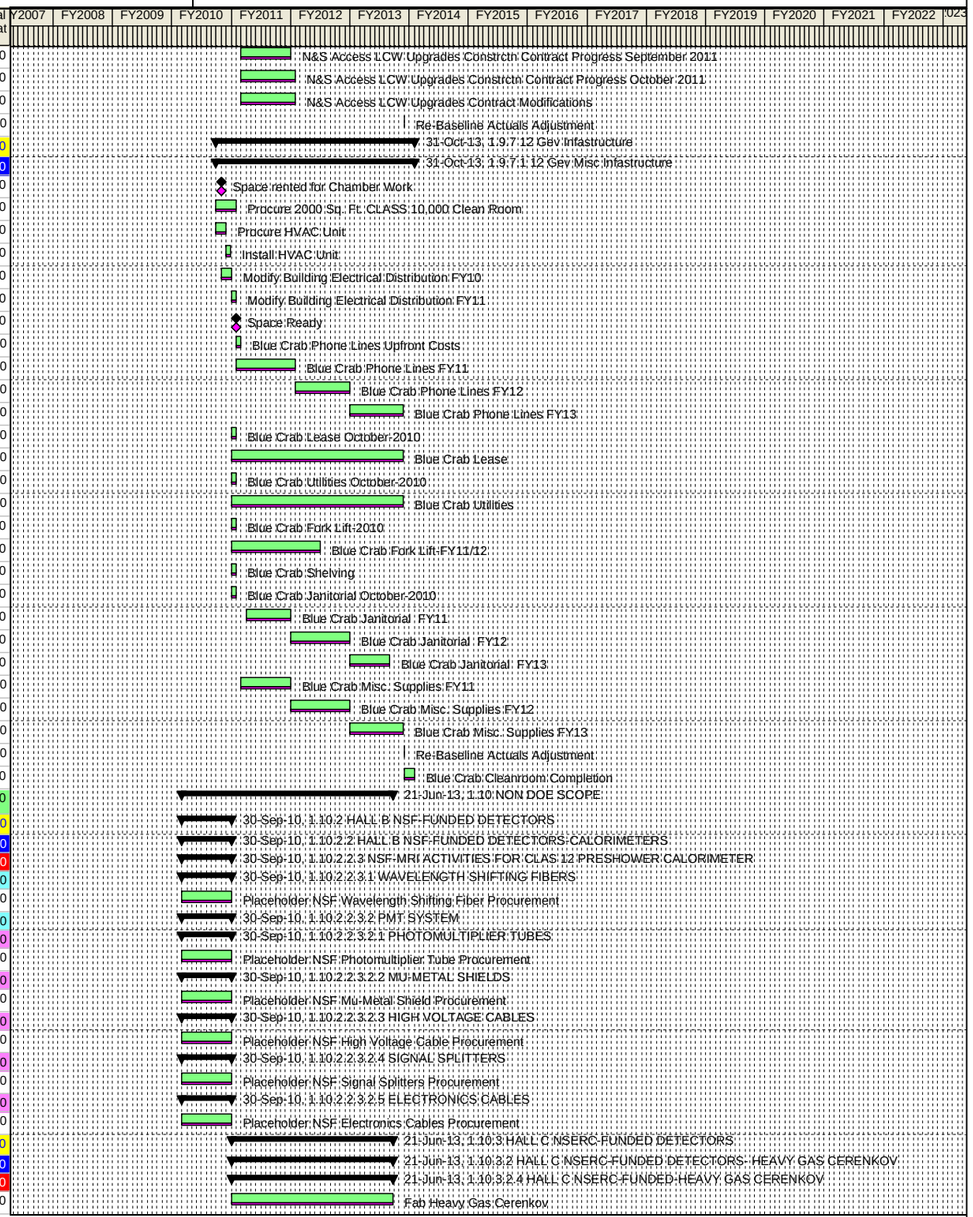
Activity ID	Activity Name	Start	Finish	Original Duration	Budgeted Labor Cost	Budgeted Labor Units	Budgeted Material Cost	Budgeted Total Cost	Budgeted Nonlabor Cost	Total Float
1961000k	N&S Access LCW Upgrades Constrctn Contract Progress September 2011	01-Dec-10	30-Sep-11	41.40	$0	0.00	$205,700	$205,700	$0	95.00
1961000n	N&S Access LCW Upgrades Constrctn Contract Progress October 2011	01-Dec-10	31-Oct-11	45.60	$0	0.00	$58,000	$58,000	$0	95.00
1961005	N&S Access LCW Upgrades Contract Modifications	01-Dec-10	31-Oct-11	45.60	$0	0.00	$164,000	$164,000	$0	95.00
1961010	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($25,740)	($25,740)	$0	4.00
1.9.7 12 Gev Infastructure		01-Jul-10	31-Oct-13	166.00	$42,048	25.12	$749,524	$956,519	$164,947	45.00
1.9.7.1 12 Gev Misc Infastructure		01-Jul-10	31-Oct-13	166.00	$42,048	25.12	$749,524	$956,519	$164,947	45.00
197111001M	Space rented for Chamber Work	02-Aug-10		0.00	$0	0.00	$0	$0	$0	25.30
197111005	Procure 2000 Sq. Ft. CLASS 10,000 Clean Room	01-Jul-10	29-Oct-10	17.00	$0	0.00	$250,000	$250,000	$0	25.30
197111010	Procure HVAC Unit	01-Jul-10	31-Aug-10	8.60	$0	0.00	$90,000	$90,000	$0	29.70
197111015	Install HVAC Unit	01-Sep-10	29-Sep-10	4.00	$10,502	6.29	$0	$10,502	$0	29.70
197111020	Modify Building Electrical Distribution FY10	02-Aug-10	30-Sep-10	8.60	$20,976	12.65	$0	$20,976	$0	25.30
197111020a	Modify Building Electrical Distribution FY11	01-Oct-10	29-Oct-10	4.20	$10,570	6.18	$0	$10,570	$0	25.30
197111030M	Space Ready	01-Nov-10		0.00	$0	0.00	$0	$0	$0	25.30
197111045	Blue Crab Phone Lines Upfront Costs	01-Nov-10	30-Nov-10	4.00	$0	0.00	$0	$1,015	$1,015	1.20
197111055	Blue Crab Phone Lines FY11	01-Nov-10	31-Oct-11	49.60	$0	0.00	$1,836	$1,836	$0	1.20
197111058	Blue Crab Phone Lines FY12	01-Nov-11	28-Sep-12	45.20	$0	0.00	$0	$1,737	$1,737	1.20
197111059	Blue Crab Phone Lines FY13	01-Oct-12	22-Aug-13	44.40	$0	0.00	$0	$1,792	$1,792	1.20
197111060	Blue Crab Lease October-2010	01-Oct-10	29-Oct-10	4.20	$0	0.00	$34,703	$34,703	$0	1.20
197111065	Blue Crab Lease	01-Oct-10	22-Aug-13	143.40	$0	0.00	$235,255	$235,255	$0	1.20
197111080	Blue Crab Utilities October-2010	01-Oct-10	29-Oct-10	4.20	$0	0.00	$2,052	$2,052	$0	1.20
197111085	Blue Crab Utilities	01-Oct-10	22-Aug-13	143.40	$0	0.00	$57,948	$57,948	$0	1.20
197111100	Blue Crab Fork Lift-2010	01-Oct-10	29-Oct-10	4.20	$0	0.00	$4,685	$4,685	$0	71.00
197111105	Blue Crab Fork Lift-FY11/12	01-Oct-10	30-Mar-12	73.60	$0	0.00	$27,378	$27,378	$0	71.00
197111110	Blue Crab Shelving	01-Oct-10	29-Oct-10	4.20	$0	0.00	$36,649	$36,649	$0	140.40
197111115	Blue Crab Janitorial October-2010	01-Oct-10	29-Oct-10	4.20	$0	0.00	$0	$240	$240	12.80
197111120	Blue Crab Janitorial FY11	04-Jan-11	30-Sep-11	37.80	$0	0.00	$0	$1,365	$1,365	12.80
197111125	Blue Crab Janitorial FY12	03-Oct-11	28-Sep-12	49.40	$0	0.00	$0	$1,878	$1,878	12.80
197111130	Blue Crab Janitorial FY13	01-Oct-12	31-May-13	32.80	$0	0.00	$0	$1,304	$1,304	12.80
197111135	Blue Crab Misc. Supplies FY11	01-Dec-10	30-Sep-11	41.40	$0	0.00	$0	$77,400	$77,400	1.20
197111140	Blue Crab Misc. Supplies FY12	03-Oct-11	28-Sep-12	49.40	$0	0.00	$0	$51,595	$51,595	1.20
197111145	Blue Crab Misc. Supplies FY13	01-Oct-12	22-Aug-13	44.40	$0	0.00	$0	$26,620	$26,620	1.20
197111150	Re-Baseline Actuals Adjustment	30-Aug-13	30-Aug-13	0.20	$0	0.00	($19,991)	($19,991)	$0	4.00
2971000	Blue Crab Cleanroom Completion	03-Sep-13	31-Oct-13	8.60	$0	0.00	$29,010	$29,010	$0	44.80
1.10 NON DOE SCOPE		01-Dec-09	21-Jun-13	176.20	$0	0.00	$609,000	$609,000	$0	13.80
1.10.2 HALL B NSF-FUNDED DETECTORS		01-Dec-09	30-Sep-10	41.40	$0	0.00	$484,000	$484,000	$0	0.00
1.10.2.2 HALL B NSF-FUNDED DETECTORS-CALORIMETERS		01-Dec-09	30-Sep-10	41.40	$0	0.00	$484,000	$484,000	$0	0.00
1.10.2.2.3 NSF-MRI ACTIVITIES FOR CLAS 12 PRESHOWER CALORIMETER		01-Dec-09	30-Sep-10	41.40	$0	0.00	$484,000	$484,000	$0	0.00
1.10.2.2.3.1 WAVELENGTH SHIFTING FIBERS		01-Dec-09	30-Sep-10	41.40	$0	0.00	$120,000	$120,000	$0	0.00
1102231000	Placeholder NSF Wavelength Shifting Fiber Procurement	01-Dec-09	30-Sep-10	41.40	$0	0.00	$120,000	$120,000	$0	0.00
1.10.2.2.3.2 PMT SYSTEM		01-Dec-09	30-Sep-10	41.40	$0	0.00	$364,000	$364,000	$0	0.00
1.10.2.2.3.2.1 PHOTOMULTIPLIER TUBES		01-Dec-09	30-Sep-10	41.40	$0	0.00	$218,000	$218,000	$0	0.00
110223210	Placeholder NSF Photomultiplier Tube Procurement	01-Dec-09	30-Sep-10	41.40	$0	0.00	$218,000	$218,000	$0	0.00
1.10.2.2.3.2.2 MU-METAL SHIELDS		01-Dec-09	30-Sep-10	41.40	$0	0.00	$18,000	$18,000	$0	0.00
110223220	Placeholder NSF Mu-Metal Shield Procurement	01-Dec-09	30-Sep-10	41.40	$0	0.00	$18,000	$18,000	$0	0.00
1.10.2.2.3.2.3 HIGH VOLTAGE CABLES		01-Dec-09	30-Sep-10	41.40	$0	0.00	$59,000	$59,000	$0	0.00
110223230	Placeholder NSF High Voltage Cable Procurement	01-Dec-09	30-Sep-10	41.40	$0	0.00	$59,000	$59,000	$0	0.00
1.10.2.2.3.2.4 SIGNAL SPLITTERS		01-Dec-09	30-Sep-10	41.40	$0	0.00	$27,000	$27,000	$0	0.00
110223240	Placeholder NSF Signal Splitters Procurement	01-Dec-09	30-Sep-10	41.40	$0	0.00	$27,000	$27,000	$0	0.00
1.10.2.2.3.2.5 ELECTRONICS CABLES		01-Dec-09	30-Sep-10	41.40	$0	0.00	$42,000	$42,000	$0	0.00
110223250	Placeholder NSF Electronics Cables Procurement	01-Dec-09	30-Sep-10	41.40	$0	0.00	$42,000	$42,000	$0	0.00
1.10.3 HALL C NSERC-FUNDED DETECTORS		01-Oct-10	21-Jun-13	134.80	$0	0.00	$125,000	$125,000	$0	13.80
1.10.3.2 HALL C NSERC-FUNDED DETECTORS- HEAVY GAS CERENKOV		01-Oct-10	21-Jun-13	134.80	$0	0.00	$125,000	$125,000	$0	13.80
1.10.3.2.4 HALL C NSERC-FUNDED-HEAVY GAS CERENKOV		01-Oct-10	21-Jun-13	134.80	$0	0.00	$125,000	$125,000	$0	13.80
110324000	Fab Heavy Gas Cerenkov	01-Oct-10	21-Jun-13	134.80	$0	0.00	$125,000	$125,000	$0	13.80



Primary Baseline | Remaining Work | Baseline Milestone
Actual Work | Critical Remaining Work | Milestone

TASK filter: All Activities

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