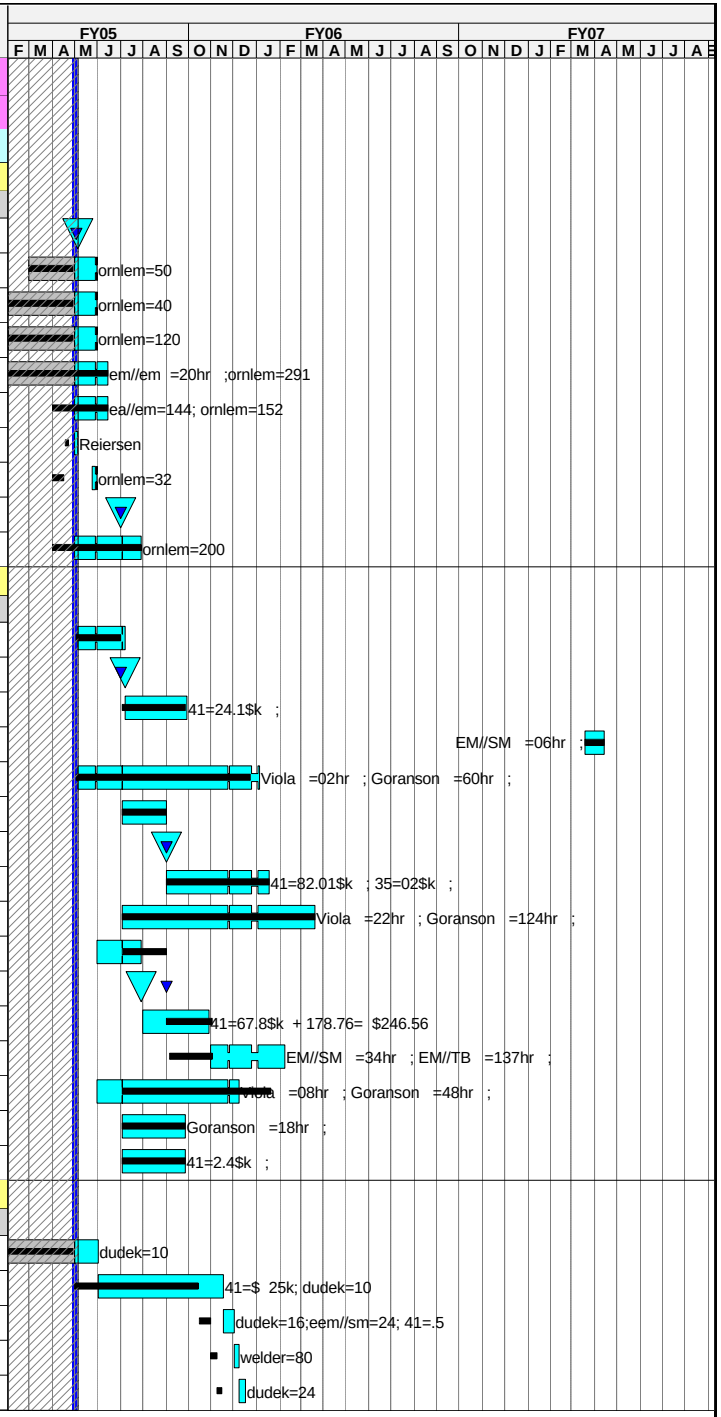
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	ECP-30 Budget	ETC
cc 9450 - NCSX Fabrication (MIE)									
1 - Stellarator Core Systems									
12 - Vacuum Vessel Systems									
Job: 1203 - Vacuum Vessel Final Dsn-GORANSON									
Final Design Tasks									
1203-900	WBS 12 FDR w/o insul/htrs**		0	05MAY05*	401		0.00	0.00	
125-011	Final design WBS 125 local I&C	01MAR05A	65*	31MAY05	342	10	775.00	7,750.00	
124-011.2	Analysis of Lateral supports	01FEB05A	85*	31MAY05	342	90	5,580.00	6,200.00	
120-100	Magnetic Diag Interface/Install dwgs	01FEB05A	85*	31MAY05	342	25	4,650.00	18,600.00	
122-011	Final design WBS 122 Thermal insulation	01JUN04A	261*	15JUN05	331	51	23,353.23	45,790.66	
122-012	Heater Tape Design	02MAY05	32	15JUN05	331		0.00	47,356.00	
1203-241	Check FMECA Analyses	02MAY05	4	05MAY05	359		0.00	0.00	
124-011.3	check support analysis	24MAY05	5	31MAY05	342		0.00	4,960.00	
1203-901	**WBS 12 FINAL FDR **		0	01JUL05*	319		0.00	0.00	
1203-271	Develop/Confirm & Installation Process	02MAY05*	63*	29JUL05	1,060	10	3,100.00	31,000.00	
Job:1204-VV Sys Procurements (non VVSA)-GORANSON									
124-030	SPEA VV Supports WBS 124	06MAY05	43	07JUL05	483		0.00	0.00	
124-036.9	Award VV Supports WBS 124		0	07JUL05	527		0.00	0.00	
124-037	VV Supports Procurement WBS 124	08JUL05	60	29SEP05	527		0.00	30,872.10	
124-041	VV Supports Fab/assy WBS 124	19MAR07	20	13APR07	164		0.00	722.64	
124-031	Title III engr WBS 124	06MAY05	165	05JAN06	483		0.00	9,939.07	
122-030	SPEA VV Thermal Insulation WBS 122	05JUL05	43	01SEP05	319		0.00	0.00	
122-036.9	Award VV Insulation WBS 122		0	01SEP05	393		0.00	0.00	
122-037	VV Insulation Procurement WBS 122	02SEP05	89	16JAN06	393		0.00	121,015.99	
122-031	Title III engr WBS 122	05JUL05*	177	20MAR06	319		0.00	24,106.26	
123-030	SPEA VV Heating & Cooling WBS 123	31MAY05*	43	29JUL05	385		0.00	0.00	
123-036.9	Award VV Heating/Cooling Distribution WBS 123		0	29JUL05	412		0.00	0.00	
123-037	VV Heating/Cooling Distr Procurement WBS 123	01AUG05	65	28OCT05	412		0.00	330,864.55	
123-041	VV Heating/Cooling Fab/Assy WBS 123	31OCT05	65	08FEB06	412		0.00	15,447.46	
123-031	Title III engr WBS 123	31MAY05	135	08DEC05	385		0.00	9,006.33	
125-015	Title III design Local I&C WBS 125	05JUL05	61	27SEP05	435		0.00	2,790.00	
125-037	Procurement Local I&C WBS 125	05JUL05	60	26SEP05	436		0.00	3,074.40	
Job: 1206 - VV Field Weld Joint R&D-DUDEK									
Vessel Weld Joint R&D									
1202-848	Bid,eval,award full size test sample *ECP6*	29APR04A	277*	01JUN05	625	LOE	1,471.05	1,604.20	
1202-851	vendor fab & deliver full size sample *ECP6*	02JUN05	120	16NOV05	625		0.00	38,632.55	
1202-854	Instrument sample *ECP6*	17NOV05	11	01DEC05	625		0.00	6,441.90	
1202-857	Perform welds on sample *ECP6*	02DEC05	5	08DEC05	625		0.00	9,417.60	
1202-860	Measure Results *ECP6*	09DEC05	6	16DEC05	625		0.00	4,315.68	



Run Date 31MAY05 15:44

PMB Schedule
xECP-30 Baseline
Progress Bar
Critical Activity

0504

NCSX
STATUS THROUGH APRIL 30
AGAINST ECP-30

Actual Completions Suppressed

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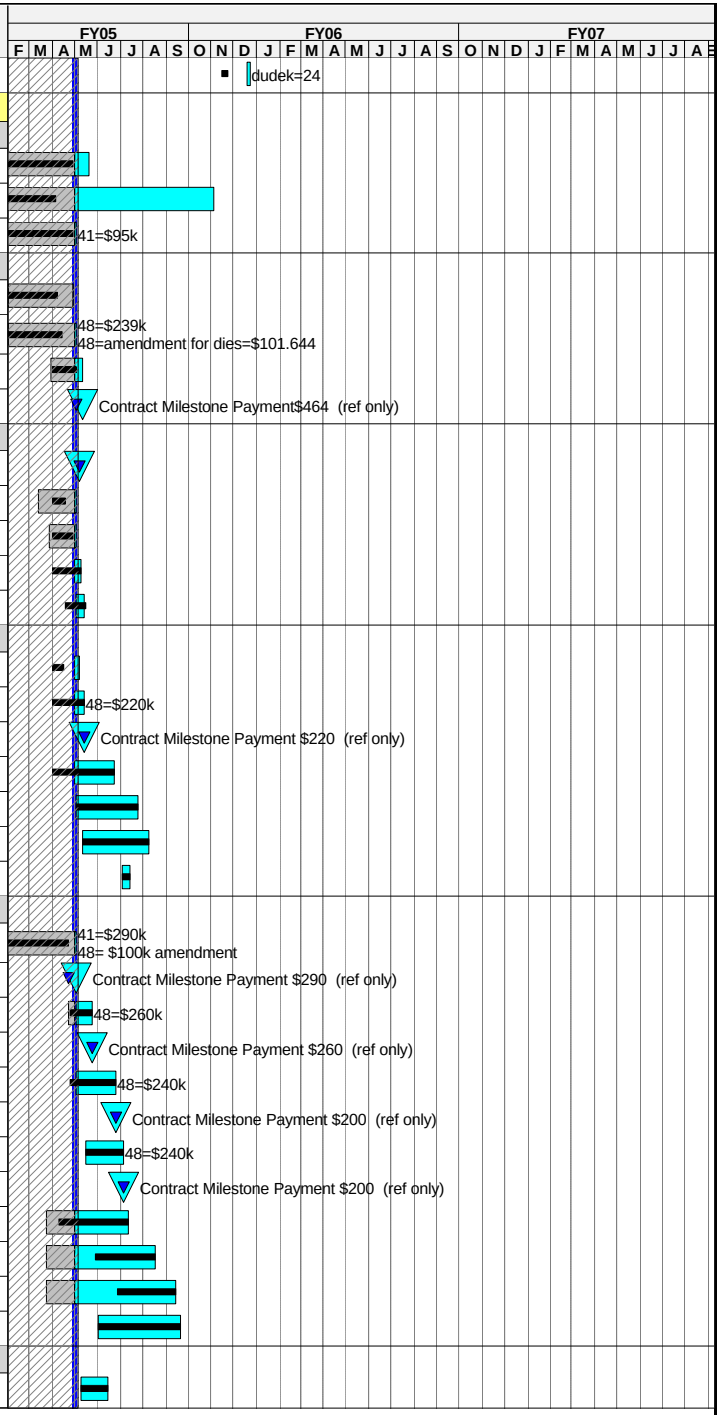
1202-863	Report Results *ECP6*	19DEC05	5	23DEC05	625		0.00	4,315.68	
Job: 1250 - Vacuum Vessel Fabrication-VIOLA									
Start Up/Engineering									
VVSA-001	Process Order	24SEP04A	166*	20MAY05	1,129	81	0.00	0.00	
VVSA-021	Sect 5.1.2 Fiducials	29NOV04A	242*	04NOV05	1,009	98	0.00	0.00	
VVSA-031	Sect 5.1.3 Proc Outline & Asc Procedures	24SEP04A	152*	02MAY05	1,143	95	115,589.47	121,673.13	
Dies & Gages									
VVSA-071	Deburr	01FEB05A	64			85	0.00	0.00	
VVSA-081	Inspection	01FEB05A	65*	02MAY05	430	75	255,480.00	340,640.00	
VVSA-091	Development Panels (9 panels)	31MAR05A	31*	12MAY05	422	30	0.00	0.00	
121-115	S005243 #4-Dies Manufactured		0	12MAY05	1,135		0.00	0.00	
Fixture (2) 60 degree									
VVA-152	Inspection Second		0	06MAY05*	1,139		0.00	0.00	
VVSA-121	Fab & Machine	14MAR05A	36*	02MAY05	603	55	0.00	0.00	
VVSA-131	Assemble	28MAR05A	26*	02MAY05	1,138	10	0.00	0.00	
VVSA-141	Deburr	02MAY05*	6*	09MAY05	1,138	2	0.00	0.00	
VVSA-151	Inspection First	03MAY05*	9*	13MAY05	603	1	0.00	0.00	
Fixture (3) 120 degree									
VVSA-161	Engineering	02MAY05*	5*	06MAY05	1,081	30	0.00	0.00	
VVSA-171	Procure Materials	02MAY05*	10*	13MAY05	1,081		0.00	220,000.00	
121-110	S005243 #3-Fixture material procured		0	13MAY05	1,134		0.00	0.00	
VVSA-181	Fab & Machine	02MAY05*	39*	23JUN05	1,081		0.00	0.00	
VVSA-191	Assemble	04MAY05*	59*	25JUL05	1,079		0.00	0.00	
VVSA-201	Deburr	12MAY05*	63*	08AUG05	1,073		0.00	0.00	
VVSA-211	Inspection -	04JUL05*	9*	14JUL05	593		0.00	0.00	
Panels & Ports									
VVSA-221	Procure Vessel Material	29OCT04A	127*	02MAY05	415	90	424,341.00	471,490.00	
121-105	S005243 #2-Vessel material procured		0	02MAY05*	1,143		0.00	0.00	
VVSA-231	Production Panels Period #1	22APR05A	22*	23MAY05	415	5	13,000.00	260,000.00	
121-120	S005243 #5-1/3 of Vessel plates formed		0	23MAY05*	1,128		0.00	0.00	
VVSA-241	Production Panels Period #2	03MAY05*	39*	24JUN05	479		0.00	240,000.00	
121-125	S005243 #6-Second 1/3 of vsl plates formed		0	24JUN05*	1,104		0.00	0.00	
VVSA-251	Production Panels Period #3	17MAY05*	36*	05JUL05	566		0.00	240,000.00	
121-130	S005243 #7-Last 1/3 of vsl plates formed		0	05JUL05*	1,097		0.00	0.00	
VVSA-261	Port Ext, Misc HW Period #1	23MAR05A	80*	12JUL05	437	10	0.00	0.00	
VVSA-271	Port Ext, Misc HW Period #2	23MAR05A	105*	16AUG05	506	10	0.00	0.00	
VVSA-281	Port Ext, Misc HW Period #3	23MAR05A	125*	13SEP05	583	10	0.00	0.00	
VVSA-291	Spacer & port Ext	03JUN05*	77*	19SEP05	632		0.00	0.00	
First 120 deg segment									
VVSA-301	1st 60 deg segment	10MAY05*	25*	13JUN05	410		0.00	0.00	



Run Date 31MAY05 15:44

PMB Schedule
xECP-30 Baseline
Progress Bar
Critical Activity

0504

NCSX
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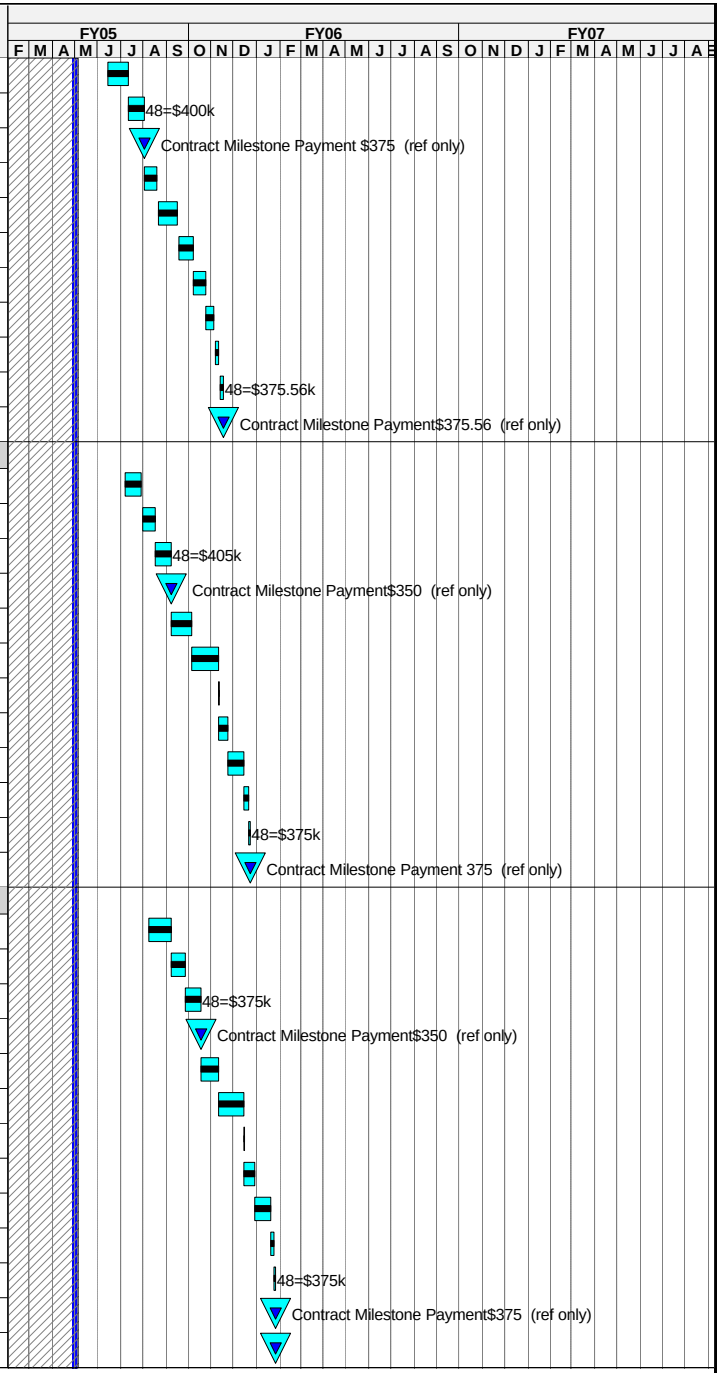
VVSA-311	2nd 60 deg segment	14JUN05	20*	11JUL05	410		0.00	0.00	
VVSA-321	Join two pieces	12JUL05	16*	02AUG05	410		0.00	400,000.00	
121-135	S005243 #8-One VVSA fabricated		0	02AUG05*	1,077		0.00	0.00	
VVSA-331	Machine for Ports	03AUG05	12*	18AUG05	410		0.00	0.00	
VVSA-341	Weld Ports	23AUG05*	19*	16SEP05	408		0.00	0.00	
VVSA-351	Final Machine (not required)	19SEP05	14	06OCT05	408		0.00	0.00	
VVSA-361	Vacuum Test	07OCT05	12*	24OCT05	408		0.00	0.00	
VVSA-371	Cut Off Ports	25OCT05	9*	04NOV05	408		0.00	0.00	
VVSA-381	Pack for Shipping LI#4	07NOV05	5*	11NOV05	408		0.00	0.00	
VVSA-391	Receive at PPPL	14NOV05	3	16NOV05	408		0.00	375,560.00	
121-150	S005243 #11-Receipt/Acceptance of 1st VVSA		0	16NOV05*	1,001		0.00	0.00	
Second 120 deg segment									
VVSA-401	60 deg segment	08JUL05*	16	29JUL05	470		0.00	0.00	
VVSA-411	60 deg segment	01AUG05	13	17AUG05	470		0.00	0.00	
VVSA-421	Join two pieces	18AUG05	15	07SEP05	470		0.00	405,000.00	
121-140	S005243 #9-Second VVSA fabricated		0	07SEP05*	1,051		0.00	0.00	
VVSA-431	Machine for Ports	08SEP05	20	05OCT05	470		0.00	0.00	
VVSA-441	Weld Ports	06OCT05	25	09NOV05	470		0.00	0.00	
VVSA-451	Final Machine (not Required)	10NOV05	0	09NOV05	470		0.00	0.00	
VVSA-461	Vacuum Test	10NOV05	10	23NOV05	470		0.00	0.00	
VVSA-471	Cut Off Ports	24NOV05	15	14DEC05	470		0.00	0.00	
VVSA-481	Pack for Shipping LI#4	15DEC05	4	20DEC05	470		0.00	0.00	
VVSA-491	Receive at PPPL	21DEC05	2	22DEC05	470		0.00	375,000.00	
121-155	S005243 #12-Receipt /Acceptance of 2nd VVSA		0	22DEC05*	975		0.00	0.00	
Third 120 deg segment									
VVSA-501	60 deg segment	10AUG05*	21	07SEP05	541		0.00	0.00	
VVSA-511	60 deg segment	08SEP05	13	26SEP05	541		0.00	0.00	
VVSA-521	Join two pieces	27SEP05	15	17OCT05	541		0.00	375,000.00	
121-145	S005243 #10-Third VVSA fabricated		0	17OCT05	1,023		0.00	0.00	
VVSA-531	Machine for Ports	18OCT05	18	10NOV05	541		0.00	0.00	
VVSA-541	Weld Ports	11NOV05	25	15DEC05	541		0.00	0.00	
VVSA-551	Final Machine (not required)	16DEC05	0	15DEC05	541		0.00	0.00	
VVSA-561	Vacuum Test	16DEC05	10	29DEC05	541		0.00	0.00	
VVSA-571	Cut Off Ports	30DEC05	15	19JAN06	541		0.00	0.00	
VVSA-581	Pack for Shipping LI#4	20JAN06	3	24JAN06	541		0.00	0.00	
VVSA-591	Receive at PPPL	25JAN06	2	26JAN06	541		0.00	375,000.00	
121-160	S005243 #13-Receipt/Acceptance of 3rd VVSA		0	26JAN06*	950		0.00	0.00	
121-038.1	All Vacuum Vessel Sections (3) Delivered		0	26JAN06	541		0.00	0.00	



Run Date 31MAY05 15:44

PMB Schedule
xECP-30 Baseline
Progress Bar
Critical Activity

0504

NCSX
STATUS THROUGH APRIL 30
AGAINST ECP-30

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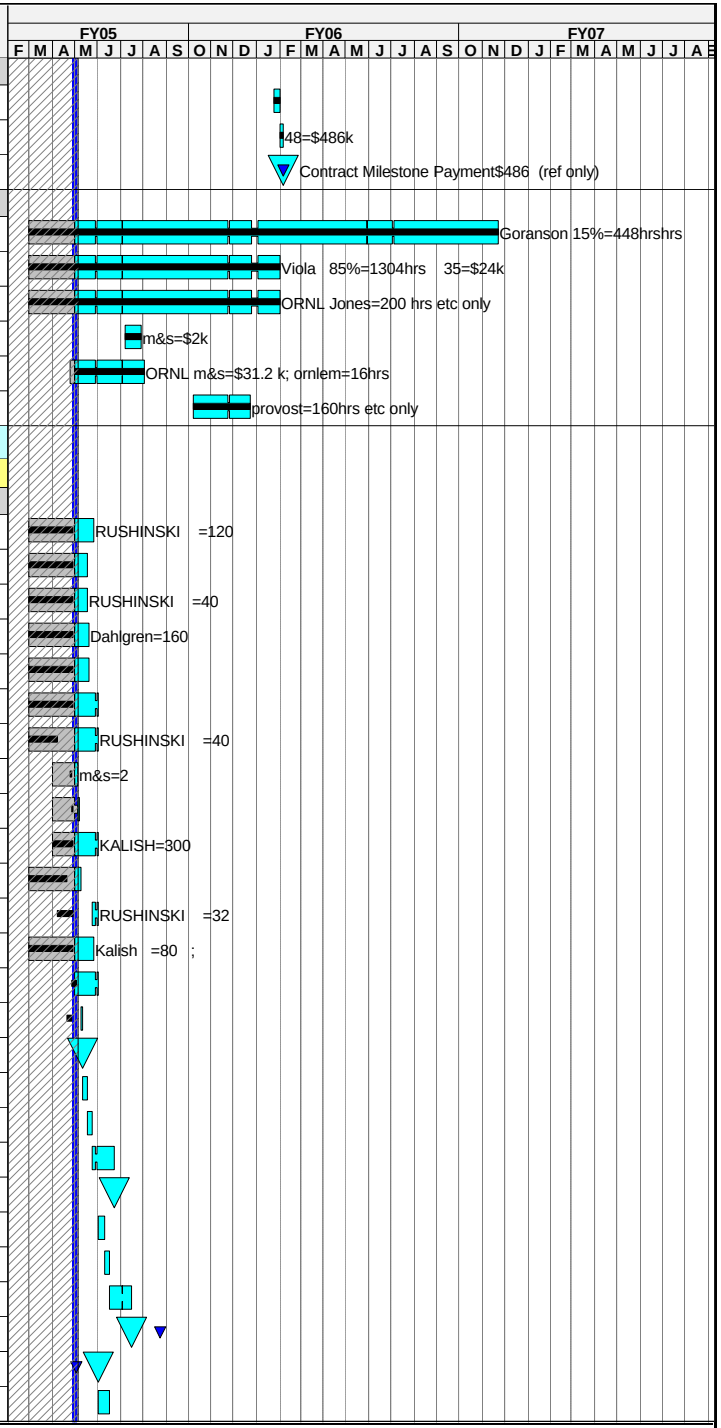
Ship Tooling									
VVSA-601	Pack Tooling for PPPL	25JAN06	5	31JAN06	943		0.00	0.00	
VVSA-611	PPPL Receive Tooling	01FEB06	4	06FEB06	943		0.00	486,000.00	
121-165	S005243 #14-Delivefy of tooling,dies,fixtures		0	06FEB06*	943		0.00	0.00	
121-034	VVSA Title III engr	01MAR05A	440*	22NOV06	727	LOE	7,358.12	73,581.15	
121-035	VVSA Contract oversight FY05 & FY06	01MAR05A	231*	31JAN06	936	LOE	49,211.10	259,005.79	
121-035.1	ORNL fesign support during MTM Contract	01MAR05A	231*	31JAN06	936	LOE	6,068.04	31,937.06	
121-036	Ship vac equipt from PPPL to MTM for vac testing	08JUL05*	15	28JUL05	441		0.00	2,562.00	
121-037	Purchase seals and ship to MTM	25APR05A	70*	02AUG05	438		2,480.00	33,680.00	
121-038	assist MTM testing of VVSA	07OCT05	54*	23DEC05	526		0.00	0.00	
13 - Conventional Coils									
Job: 1301 - TF Design-KALISH									
Final Design									
1301FD-01	TF Detailed Drawings	01MAR05A	62*	25MAY05	409	90	17,847.00	19,830.00	
1301FD-02	Develop Subassembly Process	01MAR05A	57*	18MAY05	413	50	0.00	0.00	
1301FD-04	Final Drawing Check	01MAR05A	57*	18MAY05	414	80	5,288.00	6,610.00	
1301FD-05	Anaylsis Check	01MAR05A	59*	20MAY05	411	20	5,288.00	26,440.00	
1301FD-06	Complete ICDs	01MAR05A	59*	20MAY05	411	50	0.00	0.00	
1301FD-08	Resolove PDR Chits	01MAR05A	66*	01JUN05	404	90	0.00	0.00	
1301FD-17	Resolve Tolerance Issues	01MAR05A	66*	01JUN05	1,101	75	4,957.50	6,610.00	
1301FD-21	Test 2nd Sample	01APR05A	3	04MAY05	422		0.00	21,162.00	
1301FD-22	Evaluate Results	01APR05A	26*	06MAY05	422	50	0.00	0.00	
1301FD-50	Engineering	02APR05A	43*	02JUN05	404		23,052.38	49,575.00	
1301R-37	Prepare Coil Spec	01MAR05A	50*	09MAY05	450	25	0.00	0.00	
1301FD-03	Layout Subassembly Fixture	25MAY05	5	01JUN05	1,101		0.00	5,288.00	
133-010	Design WBS 134 Conv Coil I&C	01MAR05A	62*	25MAY05	407	10	1,322.00	13,220.00	
1301FD-07	TF FDR Preperations	02MAY05	22*	01JUN05	405		0.00	0.00	
1301R-31	Review and Approve Coil Spec	10MAY05*	1*	10MAY05	450		0.00	0.00	
1301FD-70	TF Conductor FDR		0	10MAY05*	448		0.00	0.00	
1301FD-72	TF Conductor Procurement Package approved	11MAY05	5	17MAY05	448		0.00	0.00	
1301FD-74	Prepare & issue TF Conductor RFP	18MAY05	5	24MAY05	448		0.00	0.00	
1301FD-76	Evaluate bids and award TF conductor	25MAY05	20	22JUN05	448		0.00	0.00	
1301FD-77	Award TF conductor		0	22JUN05	448		0.00	0.00	
1301FD-78	TF Wedge Plate procurement package approved	03JUN05	5	09JUN05	499		0.00	0.00	
1301FD-80	Prepare and Issue TF Wedge Plate RFP	10JUN05	5	16JUN05	499		0.00	0.00	
1301FD-82	Evaluate and award TF Wedge Plate Fabrication	17JUN05	20	15JUL05	499		0.00	0.00	
1351-85C	Award TF Castings		0	15JUL05	502		0.00	0.00	
131-012	Comprehensive WBS 13 TF FDR		0	02JUN05*	402		0.00	0.00	
1301FD-84	TF Coil Fabrication & assy package approved	03JUN05	10	16JUN05	511		0.00	0.00	



Run Date 31MAY05 15:44

PMB Schedule
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NCSX

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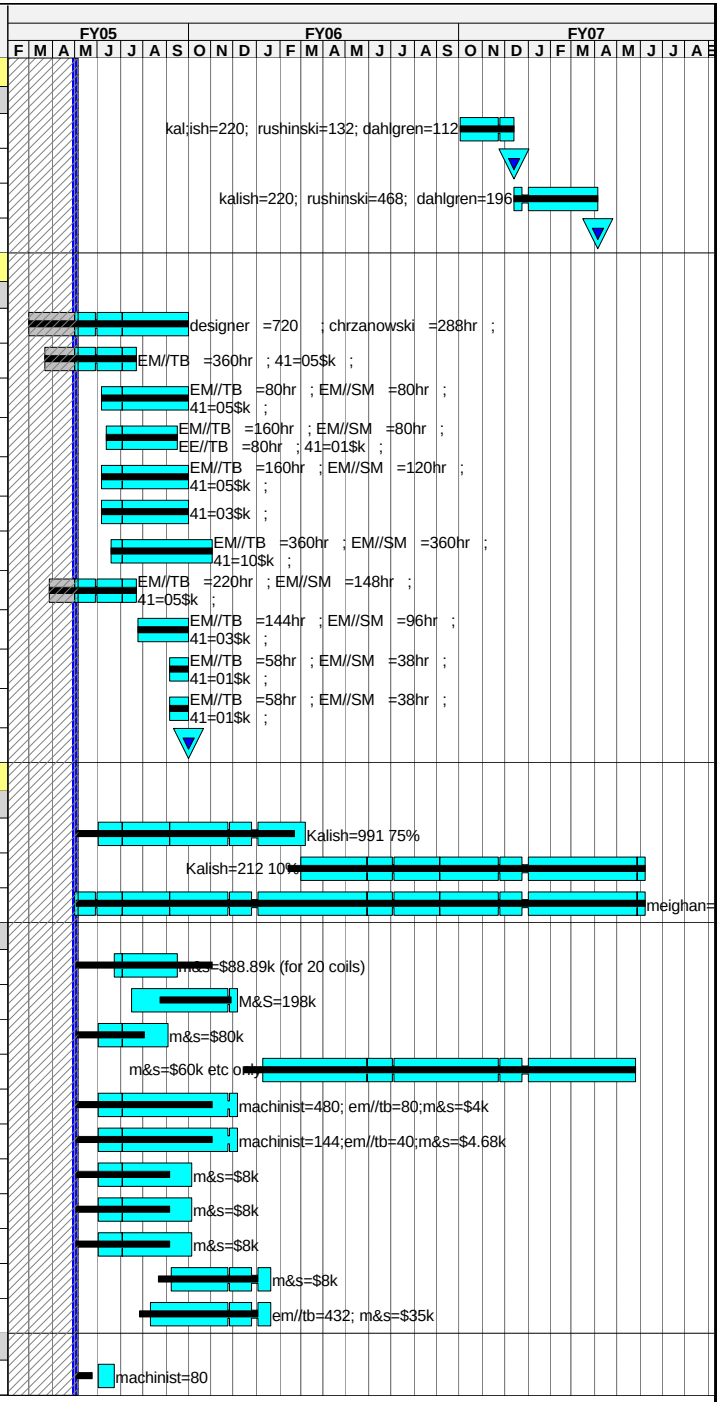
Job: 1302 - PF and CS Design -KALISH									
1302-PF	PF& CS Support Preliminary Design	02OCT06*	50	12DEC06	175		0.00	87,148.48	
141-012	PF & CS Sprt PDR		0	12DEC06	175		0.00	0.00	
1302-CSS	PF & CS Support Final Design	13DEC06	75	04APR07	175		0.00	166,032.88	
1301-137	PF & CS Support FDR		0	04APR07	175		0.00	0.00	
Job: 1350 TF Coil Fab Preparation-CHRZANOWSKI									
1350-100	Design tooling & winding facility	01MAR05A	152*	30SEP05	1,015	20	24,256.80	121,284.00	
1350-500	Recondition turnkng fixture	21MAR05A	88*	22JUL05	1,065	31*	10,429.08	33,232.20	
1350-505	Winding Clamps	06JUN05*	84*	30SEP05	1,015		0.00	20,768.20	
1350-510	Taping Machine Conditioning	13JUN05*	69*	16SEP05	1,025		0.00	27,656.20	
1350-515	Winding mandrel	06JUN05*	84*	30SEP05	1,015		0.00	30,930.60	
1350-520	Misc tools & equipt	06JUN05*	84*	30SEP05	1,015		0.00	3,843.00	
1350-525	TF mold (2)	20JUN05*	96*	01NOV05	993		0.00	79,690.05	
1350-600	Build Cleanroom	28MAR05A	83*	22JUL05	1,015	50	18,914.98	37,829.96	
1350-605	Install winding table	25JUL05*	50*	30SEP05	1,015		0.00	24,655.80	
1350-610	Setup copper delivery system	05SEP05*	20	30SEP05	1,015		0.00	9,850.12	
1350-615	Install taping machine	05SEP05*	20*	30SEP05	1,015		0.00	9,850.12	
1350-620	Complete setup of facility		0	30SEP05	1,015		0.00	0.00	
Job: 1351 - TF Coil Fabrication-KALISH									
TF Fabrication Oversight									
131-031	Title III engr (FDR through 1st coil test 75%)	03JUN05	189*	08MAR06	451		0.00	173,852.44	
131-032	Title III engr (completion of coils 10%)	01MAR06	320*	07JUN07	311		0.00	39,484.69	
131-033	Winding operations field oversight	02MAY05	526*	07JUN07	311		0.00	23,203.13	
TF Materials & Supplies									
1351-529	Coil Supplies- Deliver Copper Conductor	23JUN05	60	15SEP05	450		0.00	113,868.09	
1351-85D	Vendor Fab TF Castings	18JUL05	100	06DEC05	502		0.00	269,052.30	
1351-525	Coil Supplies- Insulation	03JUN05	65	02SEP05	487		0.00	102,480.00	
1351-527	Coil Supplies- Epoxy	10JAN06	349*	25MAY07	315		0.00	0.00	
1351-531	Coil Supplies- G-11 fillers	03JUN05	130	06DEC05	404		0.00	64,129.28	
1351-533	Coil Supplies- Lead Blocks	03JUN05	130	06DEC05	404		0.00	25,177.46	
1351-535	Coil Supplies- Safety & PPE equipt & supplies	03JUN05	88	05OCT05	446		0.00	10,302.00	
1351-537	Coil Supplies- Misc supplies	03JUN05	88	05OCT05	446		0.00	10,302.00	
1351-539	Coil Supplies- Primer	03JUN05	88	05OCT05	446		0.00	10,302.00	
1351-541	VPI Supplies- Misc VPI supplies	08SEP05	88	19JAN06	404		0.00	11,526.00	
1351-543	VPI Supplies- Disposable VPI HW	12AUG05	107	19JAN06	404		0.00	84,211.67	
TF Braze Qualification									
1351-512	Prepare braze samples	03JUN05	15	23JUN05	474		0.00	8,401.60	



Run Date 31MAY05 15:44

PMB Schedule
xECP-30 Baseline
Progress Bar
Critical Activity

0504

NCSX
STATUS THROUGH APRIL 30
AGAINST ECP-30

Actual Completions Suppressed

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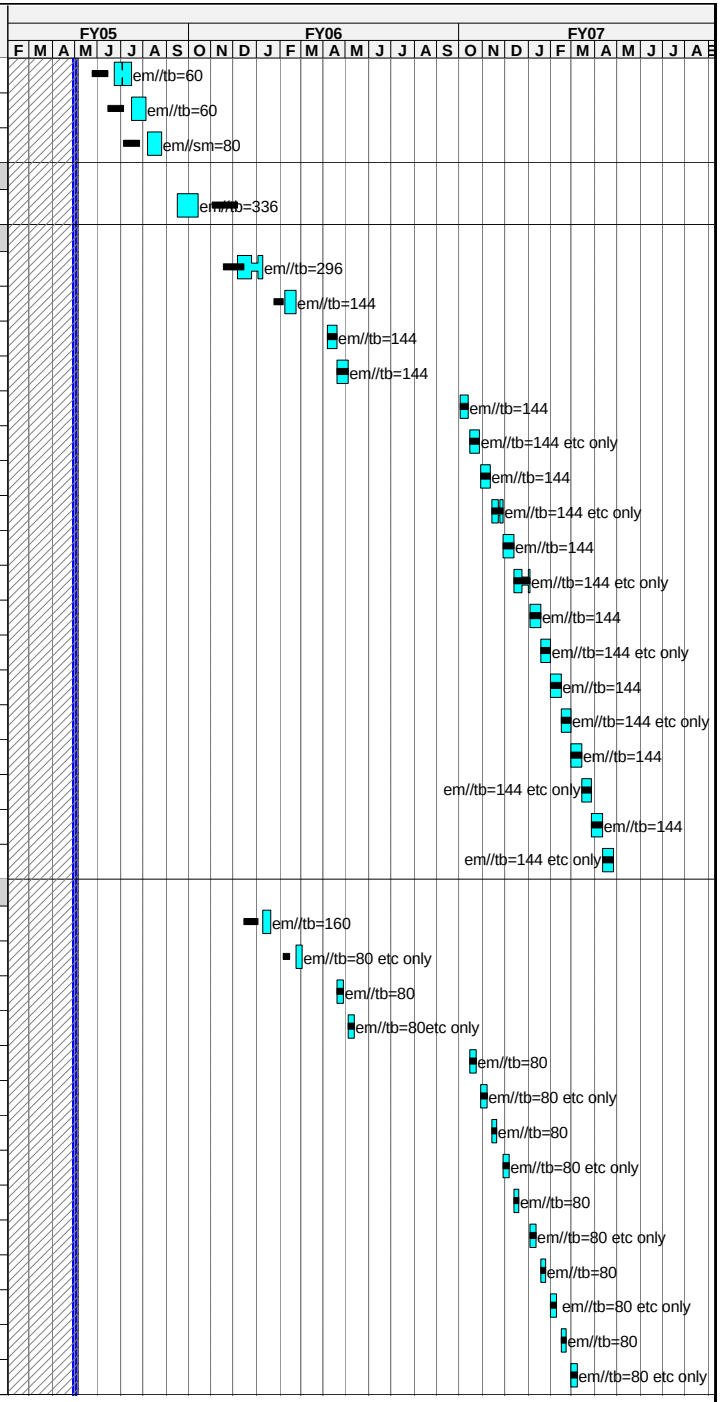
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	ECP-30 Budget	ETC
1351-513	Develop brzae techniques	24JUN05	15	15JUL05	474		0.00	4,471.20	
1351-514	Braze conductor samples	18JUL05	15	05AUG05	474		0.00	4,471.20	
1351-515	Test brazed samples	08AUG05	15	26AUG05	474		0.00	8,401.60	
Conductor Prep									
1351-547	Conductor Preparation	16SEP05	21	14OCT05	450		0.00	26,481.92	
Coil Winding									
1351-549	Wind Coil #1	07DEC05	18	09JAN06	404		0.00	24,727.84	
1351-551	Wind Coil #2	09FEB06	10	22FEB06	404		0.00	12,029.76	
1351-553	Wind Coil #3	06APR06*	10	19APR06	374		0.00	12,029.76	
1351-555	Wind Coil #4	20APR06	10	03MAY06	374		0.00	12,029.76	
1351-557	Wind Coil #5	02OCT06*	10	13OCT06	269		0.00	12,307.68	
1351-559	Wind Coil #6	16OCT06	10	27OCT06	269		0.00	0.00	
1351-561	Wind Coil #7	30OCT06	10	10NOV06	306		0.00	12,307.68	
1351-563	Wind Coil #8	13NOV06	10	28NOV06	306		0.00	0.00	
1351-565	Wind Coil #9	29NOV06	10	12DEC06	306		0.00	0.00	
1351-567	Wind Coil #10	13DEC06	10	03JAN07	306		0.00	0.00	
1351-569	Wind Coil #11	04JAN07	10	17JAN07	306		0.00	0.00	
1351-571	Wind Coil #12	18JAN07	10	31JAN07	306		0.00	0.00	
1351-573	Wind Coil #13	01FEB07	10	14FEB07	315		0.00	0.00	
1351-575	Wind Coil #14	15FEB07	10	28FEB07	315		0.00	0.00	
1351-577	Wind Coil #15	01MAR07	10	14MAR07	315		0.00	0.00	
1351-579	Wind Coil #16	15MAR07	10	28MAR07	315		0.00	0.00	
1351-581	Wind Coil #17	29MAR07	10	11APR07	315		0.00	0.00	
1351-583	Wind Coil #18	12APR07	10	25APR07	315		0.00	0.00	
Ground Wrap & Mold Application									
1351-649	GW & Apply Mold Coil #1	10JAN06	8	19JAN06	404		0.00	13,366.40	
1351-651	GW & Apply Mold Coil #2	23FEB06	6	02MAR06	414		0.00	6,683.20	
1351-653	GW & Apply Mold Coil #3	20APR06	6	27APR06	382		0.00	6,683.20	
1351-655	GW & Apply Mold Coil #4	04MAY06	6	11MAY06	378		0.00	6,683.20	
1351-657	GW & Apply Mold Coil #5	16OCT06	6	23OCT06	273		0.00	6,837.60	
1351-659	GW & Apply Mold Coil #6	30OCT06	6	06NOV06	269		0.00	0.00	
1351-661	GW & Apply Mold Coil #7	13NOV06	6	20NOV06	318		0.00	0.00	
1351-663	GW & Apply Mold Coil #8	29NOV06	6	06DEC06	314		0.00	0.00	
1351-665	GW & Apply Mold Coil #9	13DEC06	6	20DEC06	314		0.00	0.00	
1351-667	GW & Apply Mold Coil #10	04JAN07	6	11JAN07	310		0.00	0.00	
1351-669	GW & Apply Mold Coil #11	18JAN07	6	25JAN07	310		0.00	0.00	
1351-671	GW & Apply Mold Coil #12	01FEB07	6	08FEB07	306		0.00	0.00	
1351-673	GW & Apply Mold Coil #13	15FEB07	6	22FEB07	327		0.00	0.00	
1351-675	GW & Apply Mold Coil #14	01MAR07	6	08MAR07	323		0.00	0.00	



Run Date 31MAY05 15:44

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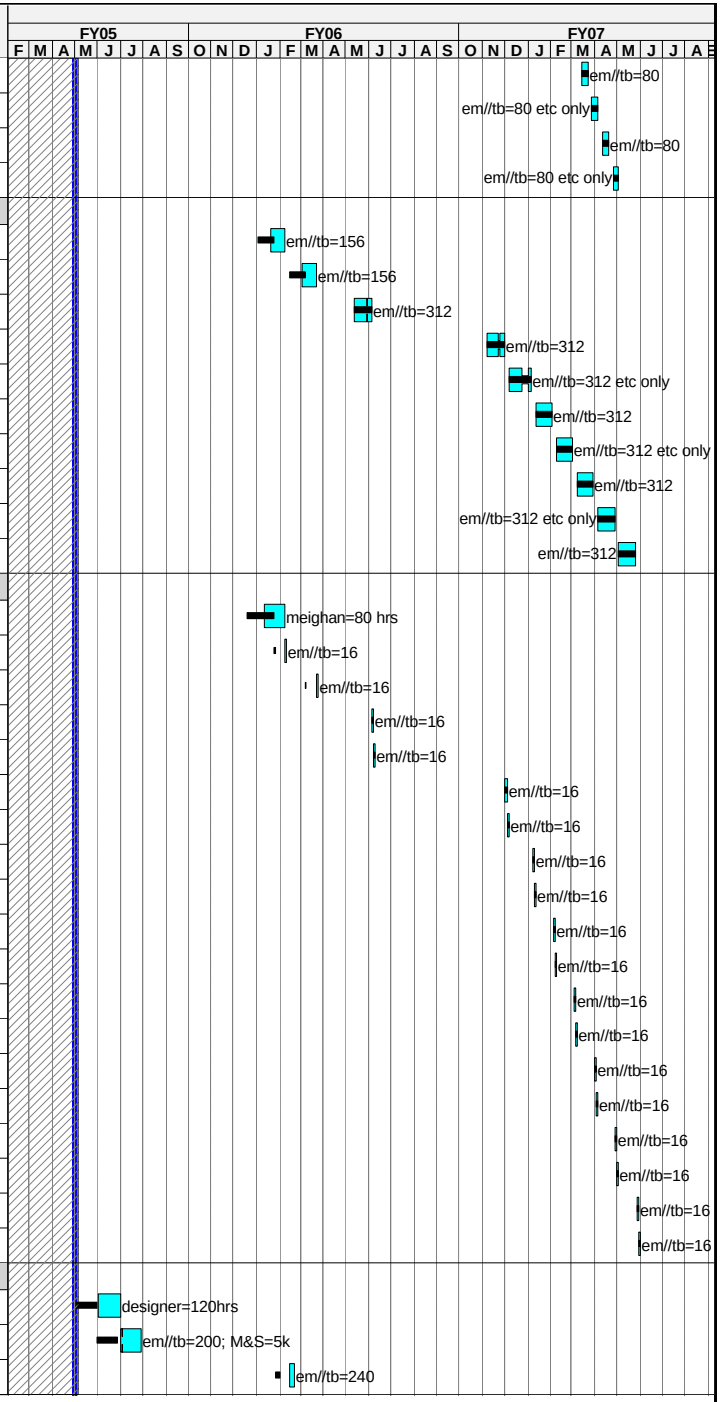
PMB Schedule
xECP-30 Baseline
Progress Bar
Critical Activity

0504

NCSX
STATUS THROUGH APRIL 30 AGAINST ECP-30

Actual Completions Suppressed

Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	ECP-30 Budget	ETC
1351-677	GW & Apply Mold Coil #15	15MAR07	6	22MAR07	323		0.00	0.00	
1351-679	GW & Apply Mold Coil #16	29MAR07	6	05APR07	319		0.00	0.00	
1351-681	GW & Apply Mold Coil #17	12APR07	6	19APR07	319		0.00	0.00	
1351-683	GW & Apply Mold Coil #18	26APR07	6	03MAY07	315		0.00	0.00	
VPI									
1351-751	VPI Coil #1	20JAN06	14	08FEB06	404		0.00	13,032.24	
1351-752	VPI Coil #2	03MAR06	14	22MAR06	414		0.00	13,032.24	
1351-755	VPI Coil #3 & #4	12MAY06	16	05JUN06	378		0.00	26,064.48	
1351-759	VPI Coil #5 & #6	07NOV06	16	30NOV06	269		0.00	0.00	
1351-763	VPI Coil #7 & #8	07DEC06	16	05JAN07	314		0.00	0.00	
1351-767	VPI Coil #9 & #10	12JAN07	16	02FEB07	310		0.00	0.00	
1351-771	VPI Coil #11 & #12	09FEB07	16	02MAR07	306		0.00	0.00	
1351-775	VPI Coil #13 & #14	09MAR07	16	30MAR07	323		0.00	0.00	
1351-779	VPI Coil #15 & #16	06APR07	16	27APR07	319		0.00	0.00	
1351-783	VPI Coil #17 & #18	04MAY07	16	25MAY07	315		0.00	0.00	
Electrical Test (warm before casting instl))									
1351-848	Prep & setup for warm test	12JAN06	20	08FEB06	454		0.00	9,417.60	
1351-849	Warm Test Coil #1	09FEB06	2	10FEB06	454		0.00	1,336.64	
1351-851	Warm Test Coil #2	23MAR06	2	24MAR06	436		0.00	1,336.64	
1351-853	Warm Test Coil #3	06JUN06	2	07JUN06	387		0.00	1,336.64	
1351-855	Warm Test Coil #4	08JUN06	2	09JUN06	389		0.00	1,336.64	
1351-857	Warm Test Coil #5	01DEC06	2	04DEC06	269		0.00	1,367.52	
1351-859	Warm Test Coil #6	05DEC06	2	06DEC06	270		0.00	1,367.52	
1351-861	Warm Test Coil #7	08JAN07	2	09JAN07	332		0.00	1,367.52	
1351-863	Warm Test Coil #8	10JAN07	2	11JAN07	333		0.00	1,367.52	
1351-865	Warm Test Coil #9	05FEB07	2	06FEB07	318		0.00	1,367.52	
1351-867	Warm Test Coil #10	07FEB07	2	08FEB07	321		0.00	1,367.52	
1351-869	Warm Test Coil #11	05MAR07	2	06MAR07	306		0.00	1,367.52	
1351-871	Warm Test Coil #12	07MAR07	2	08MAR07	307		0.00	1,367.52	
1351-873	Warm Test Coil #13	02APR07	2	03APR07	341		0.00	1,367.52	
1351-875	Warm Test Coil #14	04APR07	2	05APR07	342		0.00	1,367.52	
1351-877	Warm Test Coil #15	30APR07	2	01MAY07	327		0.00	1,367.52	
1351-879	Warm Test Coil #16	02MAY07	2	03MAY07	330		0.00	1,367.52	
1351-881	Warm Test Coil #17	29MAY07	2	30MAY07	315		0.00	1,367.52	
1351-883	Warm Test Coil #18	31MAY07	2	01JUN07	316		0.00	1,367.52	
Assemble TF Casting to TF coil									
1351-080	Design Assy Fixture	03JUN05	20	30JUN05	588		0.00	12,282.00	
1351-086	Fab/Assemble Fixture	01JUL05	19	28JUL05	588		0.00	21,309.00	
1351-088	Setup Wedge Casting Fixture & test	14FEB06	5	20FEB06	454		0.00	20,049.60	



Run Date 31MAY05 15:44

PMB Schedule
xECP-30 Baseline
Progress Bar
Critical Activity

0504

NCSX
STATUS THROUGH APRIL 30
AGAINST ECP-30

Actual Completions Suppressed

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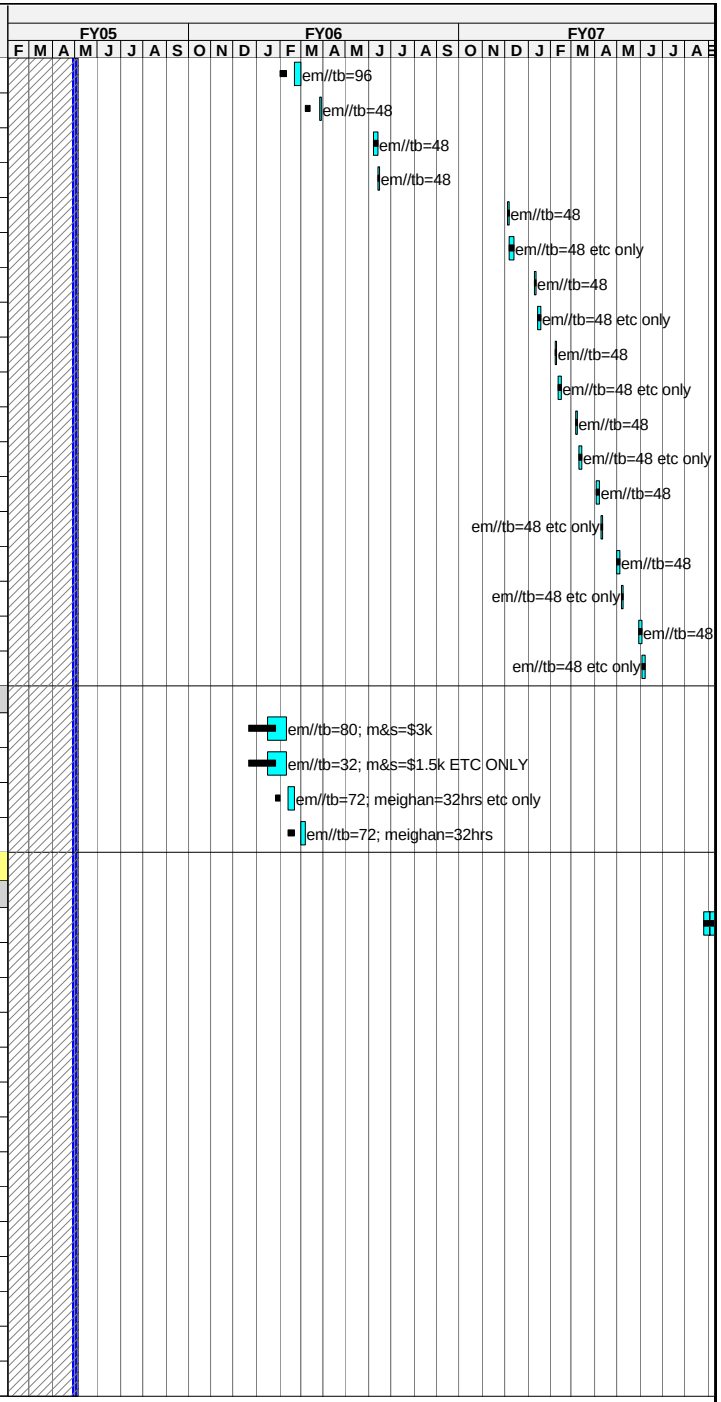
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	ECP-30 Budget	ETC
1351-110A	Assemble TF to Wedge Casting TF#1	21FEB06	6	28FEB06	454		0.00	8,019.84	
1351-115A	Assemble TF to Wedge Casting TF#2	27MAR06	3	29MAR06	436		0.00	4,009.92	
1351-120A	Assemble TF to Wedge Casting TF#3	08JUN06	3	12JUN06	387		0.00	4,009.92	
1351-125A	Assemble TF to Wedge Casting TF#4	13JUN06	3	15JUN06	388		0.00	4,009.92	
1351-130A	Assemble TF to Wedge Casting TF#5	05DEC06	3	07DEC06	269		0.00	0.00	
1351-135A	Assemble TF to Wedge Casting TF#6	08DEC06	3	12DEC06	269		0.00	0.00	
1351-140A	Assemble TF to Wedge Casting TF#7	10JAN07	3	12JAN07	332		0.00	4,102.56	
1351-145A	Assemble TF to Wedge Casting TF#8	15JAN07	3	17JAN07	332		0.00	0.00	
1351-150A	Assemble TF to Wedge Casting TF#9	07FEB07	3	09FEB07	318		0.00	4,102.56	
1351-155A	Assemble TF to Wedge Casting TF#10	12FEB07	3	14FEB07	320		0.00	0.00	
1351-160A	Assemble TF to Wedge Casting TF#11	07MAR07	3	09MAR07	306		0.00	4,102.56	
1351-165A	Assemble TF to Wedge Casting TF#12	12MAR07	3	14MAR07	306		0.00	0.00	
1351-170A	Assemble TF to Wedge Casting TF#13	04APR07	3	06APR07	341		0.00	0.00	
1351-175A	Assemble TF to Wedge Casting TF#14	09APR07	3	11APR07	341		0.00	0.00	
1351-180A	Assemble TF to Wedge Casting TF#15	02MAY07	3	04MAY07	327		0.00	4,102.56	
1351-185A	Assemble TF to Wedge Casting TF#16	07MAY07	3	09MAY07	329		0.00	0.00	
1351-190A	Assemble TF to Wedge Casting TF#17	31MAY07	3	04JUN07	315		0.00	4,102.56	
1351-195A	Assemble TF to Wedge Casting TF#18	05JUN07	3	07JUN07	315		0.00	0.00	
Final Test (cold after casting installation)									
1351-901	Build Cryostat for teststand to hold TF coil	16JAN06	20	10FEB06	454		0.00	11,120.20	
1351-902	Build lifting fixture	16JAN06	20	10FEB06	454		0.00	0.00	
1351-905	Cold test #1 BEFORE casting applied	13FEB06	6	20FEB06	454		0.00	0.00	
1351-910	Cold test #1 again AFTER casting applied	01MAR06	6	08MAR06	454		0.00	9,781.92	
Job: 1352 - PF Coil Procurement-KALISH									
PF Coil Fabrication									
141-035	Bid & Award PF Coils	27AUG07*	45	29OCT07	124		0.00	0.00	
141-036	PF Coils Awarded		0	29OCT07	124		0.00	0.00	
1352-100	Material & leads	30OCT07	75	21FEB08	124		0.00	352,000.00	
1352-110	Tooling for PF 4	30OCT07*	25	05DEC07	159		0.00	73,920.00	
1352-115	Tooling for PF 5	06DEC07	25	17JAN08	159		0.00	73,920.00	
1352-120	Tooling for PF 6	18JAN08	25	21FEB08	174		0.00	73,920.00	
1352-105	Tooling for PF 1,2 and 3	22FEB08	30	03APR08	174		0.00	73,920.00	
1352-140	Fabricate/Dlvr PF 4 lower	22FEB08	10	06MAR08	124		0.00	55,968.00	
1352-145	Fabricate/Dlvr PF 5 lower	07MAR08	15	27MAR08	124		0.00	41,817.00	
1352-150	Fabricate/Dlvr PF 6 lower	28MAR08	15	17APR08	124		0.00	41,817.00	
1352-155	Fabricate/Dlvr PF 4 upper	18APR08	10	01MAY08	124		0.00	41,817.00	
1352-160	Fabricate/Dlvr PF 5 upper	02MAY08	15	22MAY08	124		0.00	41,817.00	
1352-165	Fabricate/Dlvr PF 6 upper	23MAY08	15	13JUN08	124		0.00	41,817.00	
1352-125	Fabricate/Dlvr PF 1 upper & lower	16JUN08	15	07JUL08	124		0.00	83,634.00	



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PMB Schedule
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0504

NCSX
STATUS THROUGH APRIL 30
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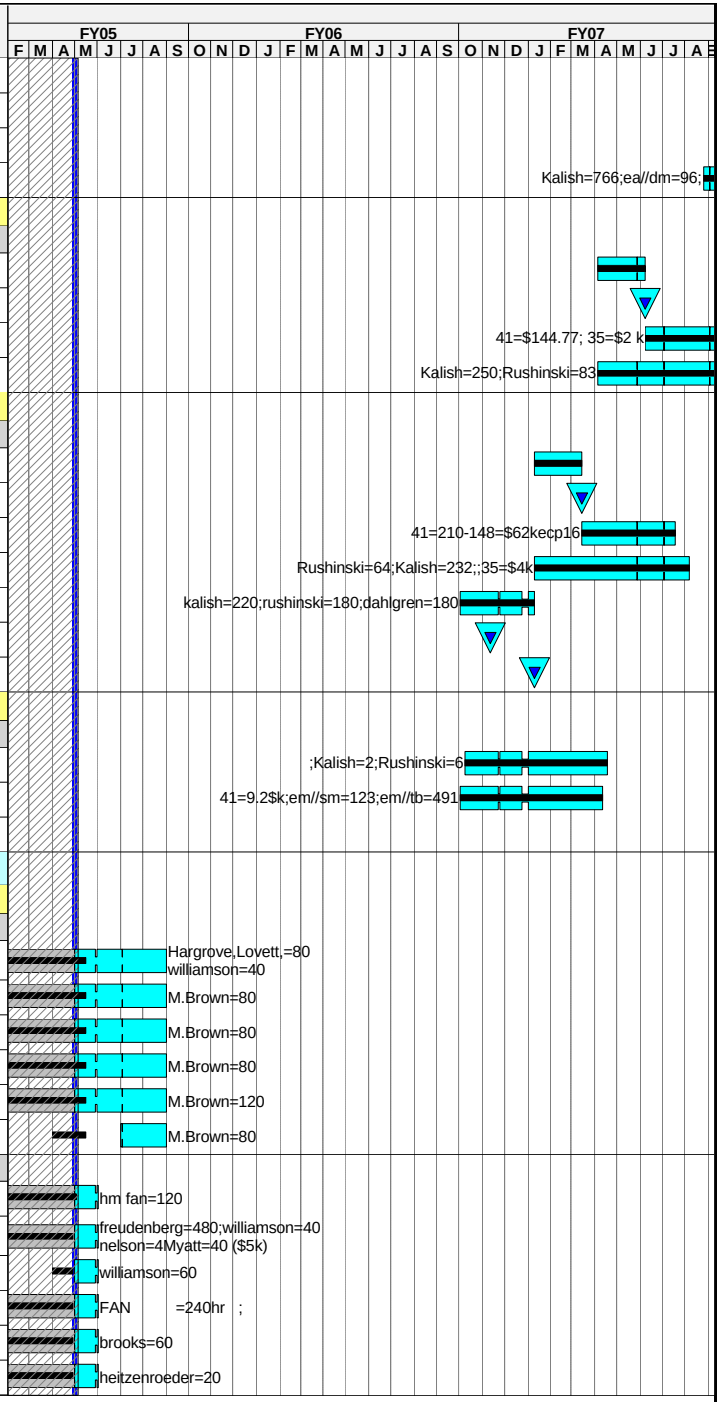
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	ECP-30 Budget	ETC
1352-130	Fabricate/Dlvr PF 2 upper & lower	08JUL08	15	28JUL08	124		0.00	83,634.00	
1352-135	Fabricate/Dlvr PF 3 upper & lower	29JUL08	15	18AUG08	124		0.00	83,634.00	
722.010	PF Coil receipt inspect/test (formerly wbs 183)	22FEB08	125*	18AUG08	124		0.00	31,033.22	
141-031	Title III engr WBS 132	27AUG07*	268	19SEP08	268		0.00	167,206.12	
Job: 1353 - CS Structure Procurement-KALISH									
CS Support Structure									
163-035	Bid & Award CS Support Struct	05APR07	45	07JUN07	175		0.00	0.00	
163-036.9	Award CS Support Structure		0	07JUN07*	175		0.00	0.00	
163-037	CS Support Structure Procurement/Fab	08JUN07*	249	05JUN08	175		0.00	206,456.08	
163-015	Title III design CS sprt struc	05APR07	294	05JUN08	342		0.00	63,845.70	
Job: 1354 - Trim Coil Procurement-KALISH									
Trim Coils									
184-035	Bid & Award Ext Trim Coils	11JAN07	45	14MAR07	148		0.00	0.00	
184-036	Award External Trim Coils		0	14MAR07*	148		0.00	0.00	
184-037	External Trim Coil Procurement/Fab*ecp16	15MAR07	87	17JUL07	148		0.00	85,870.00	
184-015	Title III WBS 133 Rxt Trim Coils	11JAN07	147	07AUG07	549		0.00	62,862.72	
1303-TRIM	Trim Coil Design	02OCT06*	65	10JAN07	148		0.00	108,935.60	
1303-136	Trim Coil PDR		0	10NOV06	148		0.00	0.00	
1303-137	Trim Coil FDR		0	10JAN07	148		0.00	0.00	
Job: 1355 - WBS 13 I&C Proc & Coil Assy-KALISH									
TF/PF Loacl I&C									
133-015	Title III WBS 134 Conv Coil I&C	09OCT06*	130	18APR07	626		0.00	1,098.28	
133-037	Conv Coil I&C WBS 134 Proc & Install	02OCT06*	130	11APR07	467		0.00	69,521.89	
1355-100	CS and PF 1-3 Pre-Assy incl coil I&C procurement	19AUG08	15	09SEP08	124		0.00	21,252.00	
14 - Modular Coils									
Job: 1403 - Modular Coil Final Design-WILLIAMSON									
Coil-to-coil Interface Design									
1403-11.1	Compl assembly / interface drawings for ICDs	01NOV04A	208*	31AUG05	1,037	50	15,500.00	31,000.00	
1403-16	Assembly bolts, nuts,washers	01OCT04A	229*	31AUG05	374	60	7,440.00	12,400.00	
1403-17	Assembly shims	01OCT04A	229*	31AUG05	374	60	7,440.00	12,400.00	
1403-18	Eccentric ball assembly	08NOV04A	203*	31AUG05	374	60	7,440.00	12,400.00	
1403-19	Top assembly dwgs for mod coil shell	01OCT04A	229*	31AUG05	1,037	50	9,300.00	18,600.00	
1403-19A	Bladder Details	01JUL05*	43*	31AUG05	374		0.00	12,400.00	
MCWF & Winding Analysis/Testing									
1403-90	Compile Material properties database	01OCT04A	165*	01JUN05	172	90	17,847.00	19,830.00	
1403-40.2Z	Update nonlinear winding pack analysis	01AUG04A	208*	01JUN05	172	90	76,265.94	84,739.92	
1403-42H	calculate EM loads at leads	02MAY05*	22*	01JUN05	172	60	5,580.00	9,300.00	
1403-74	check analysis using simplified models	01OCT04A	165*	01JUN05	172	90	35,694.00	39,660.00	
1403-42D	Fracture fatigue analysis for MCWF	01NOV04A	144*	01JUN05	172	50	4,957.50	9,915.00	
1403-42D.0	Determine Fatigue properties	01NOV04A	144*	01JUN05	172	50	1,652.50	3,305.00	



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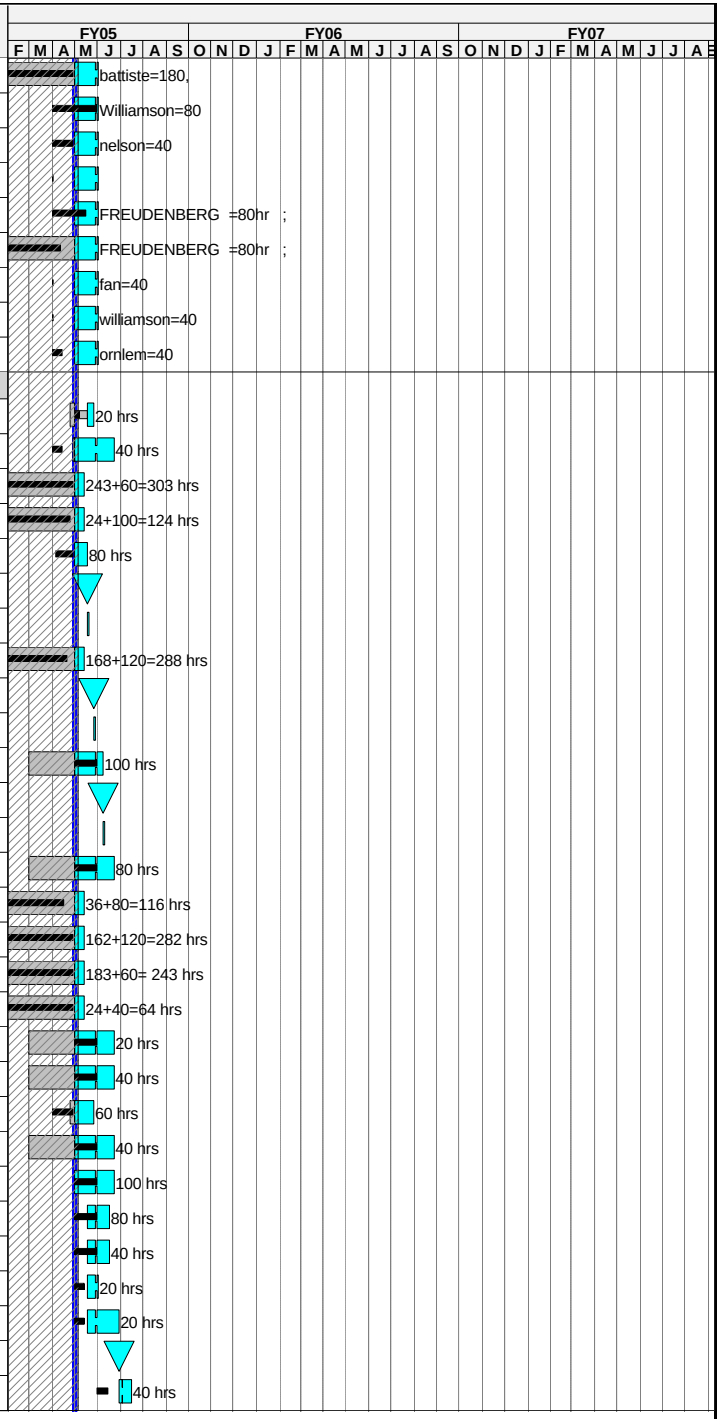
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	ECP-30 Budget	ETC
1403-42F	Perform WP beam tests at ORNL	01NOV04A	144*	01JUN05	172	50	13,950.00	27,900.00	
1403-47A	Update,review & approve FMECA	02MAY05*	22*	01JUN05	172	10	620.00	6,200.00	
1403-42A	WP beam bending results documentation	02MAY05*	22*	01JUN05	172		0.00	6,200.00	
1403-42A1	Document analysis of MCWF eddy currents	02MAY05*	22*	01JUN05	172		0.00	0.00	
1403-73	Prep struct analysis report	02MAY05*	22*	01JUN05	172		0.00	12,400.00	
1403-76	Structural analysis of leads	01OCT04A	165*	01JUN05	172	50	6,200.00	12,400.00	
1403-47C	Perform cool-down/warmup analysis	02MAY05*	22*	01JUN05	172		0.00	6,610.00	
1403-49A	Update tech sheets for new #of turns	02MAY05	22*	01JUN05	172		0.00	6,200.00	
1403-50A	Check inductance calculation	02MAY05	22*	01JUN05	172		0.00	6,200.00	
Winding and Assembly Design-Type C									
1403-20.00	Resolve FDR chits	25APR05A	5	25MAY05	176	10	310.00	3,100.00	
1403-58X1	Check and promote cladding & terminal dwg-Type C	29APR05A	38*	22JUN05	157	50	3,100.00	6,200.00	
1403-201	Leads start assy Dwgs (10)-Type C	01JAN04A	344*	13MAY05	184	90	38,284.86	42,538.73	
1403-221	Lead ends assy-Type C	01NOV04A	132*	13MAY05	184	90	17,670.00	19,220.00	
1403-58X2	Check and promote lead blocks	02MAY05*	13*	18MAY05	141		0.00	12,400.00	
1403-500	Type C Lead Block FDR		0	18MAY05*	141		0.00	0.00	
1403-502	Lead Block dwgs apprvd for fabrication	19MAY05	2	20MAY05	141		0.00	0.00	
1403-204	Outer Chill Plate Dwgs -Type C	01SEP04A	174*	13MAY05	177	90	41,871.07	43,692.97	
1403-504	Type C Chill Plate FDR		0	25MAY05*	169		0.00	0.00	
1403-506	Chill plate dwgs approved for fabrication	26MAY05	2	27MAY05	169		0.00	0.00	
1403-203C	Finish Clamp Dwgs (5)-Type C	01MAR05A	71*	08JUN05	396	50	7,750.00	15,500.00	
1403-508	Type C Clamp FDR		0	08JUN05*	396		0.00	0.00	
1403-510	Clamp and assy dwgs approved for fabrication	09JUN05	2	10JUN05	396		0.00	0.00	
1403-223C	Finish Top level coil assembly-Type C	01MAR05A	81*	22JUN05	157	30	3,720.00	12,400.00	
1403-219	MCWF assy-Type C	01OCT04A	153*	13MAY05	184	90	16,182.00	17,980.00	
1403-220	Cladding assembly-Type C	01OCT04A	153*	13MAY05	184	90	39,339.00	43,710.00	
1403-200	Side A/B winding pack assy-Type C	01JAN04A	344*	13MAY05	184	90	30,703.70	34,115.22	
1403-222	Terminal / elec services assembly-Type C	01NOV04A	132*	13MAY05	184	90	8,928.00	9,920.00	
1403-224C	Finish VPI mold assembly-Type C	01MAR05A	81*	22JUN05	157	30	930.00	3,100.00	
1403-208C	Finish I&C Dwgs -Type C	01MAR05A	81*	22JUN05	157	30	1,860.00	6,200.00	
1403-206.1	Cooling tubes/services assy- Type C	25APR05A	23*	25MAY05	176	50	4,650.00	9,300.00	
1403-206C	Finish Cooling, Electr Schematic Dwgs - Type C	01MAR05A	81*	22JUN05	157	30	1,860.00	6,200.00	
1403-58C	Check and promote clamp, I&C assy dwgs -Type C	02MAY05*	37*	22JUN05	157		0.00	15,500.00	
1403-60C	Finish Update design basis document	19MAY05	21	17JUN05	160		0.00	12,400.00	
1403-59	Type-C product specifications	19MAY05	21	17JUN05	183		0.00	6,200.00	
1403-49	Update cost / schedule estimates	19MAY05	10	02JUN05	194		0.00	3,100.00	
1403-62	Prepare FDR documentation / presentations	19MAY05	29*	29JUN05	152		0.00	3,100.00	
1403-512	TYPE C COMPREHENSIVE FDR		0	29JUN05*	152		0.00	0.00	
1403-20.2	Resolve FDR chits	30JUN05*	11	15JUL05	164		0.00	6,200.00	



Run Date 31MAY05 15:44

PMB Schedule
xECP-30 Baseline
Progress Bar
Critical Activity

0504

NCSX
STATUS THROUGH APRIL 30
AGAINST ECP-30

Actual Completions Suppressed

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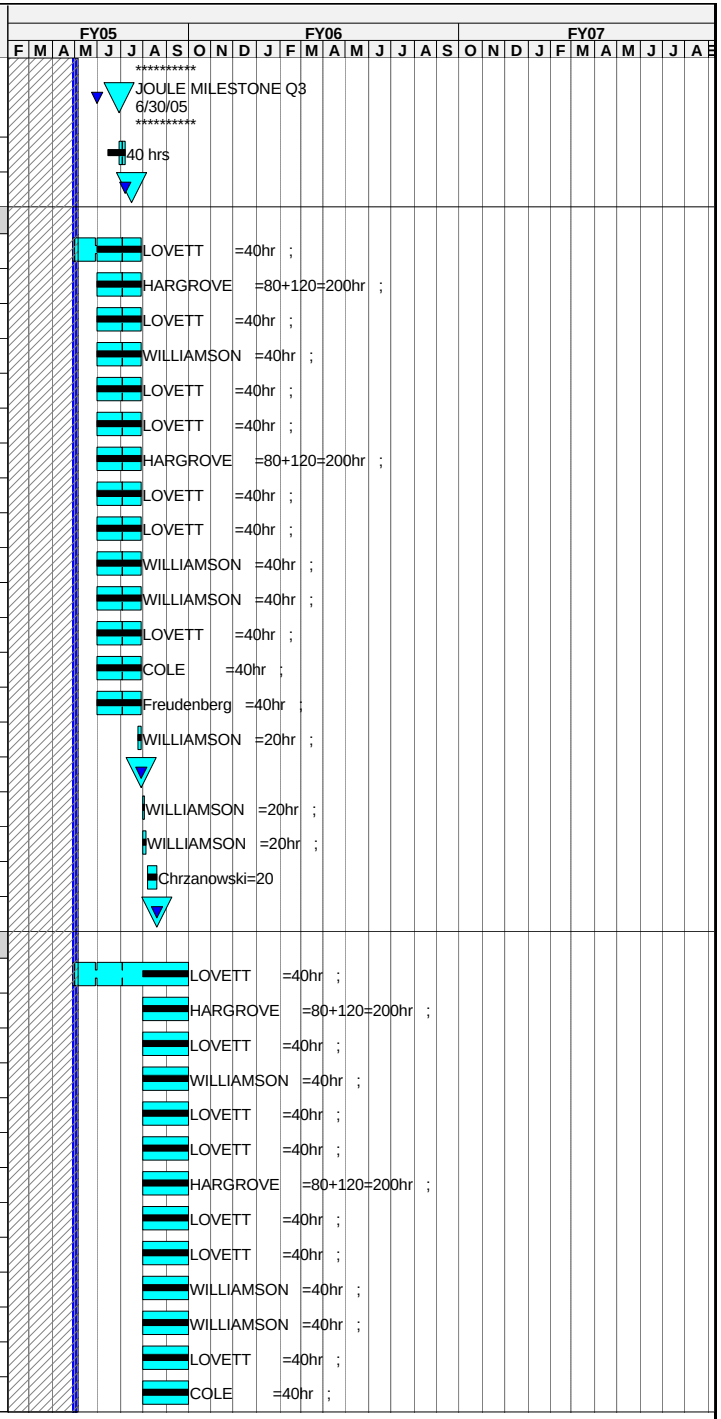
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	ECP-30 Budget	ETC
1403-20B	Mod Coil Type C FDR's COMPLETE		0	29JUN05	175		0.00	0.00	
1403-70.05	Update MIT/QA Plans for Type C Winding Fab	30JUN05	5*	07JUL05	169		0.00	6,200.00	
1403-20.1	Mod Coil Type C Fab Preparedness Review		0	15JUL05*	164		0.00	0.00	
Winding and Assembly Design-Type A									
1403-319	MCWF studs,modifications-Type A	29APR05A	64*	29JUL05	143	30	1,860.00	6,200.00	
1403-320	Cladding assembly-Type A	01JUN05*	42	29JUL05	143		0.00	31,000.00	
1403-301	Leads & crossover Dwgs (10)-Type A	01JUN05*	42	29JUL05	143		0.00	6,200.00	
1403-300	Winding pack assy Dwgs (8)-Type A	01JUN05*	42	29JUL05	143		0.00	6,200.00	
1403-321	Lead ends & closure-Type A	01JUN05*	42	29JUL05	143		0.00	6,200.00	
1403-322	Terminal assembly-Type A	01JUN05*	42	29JUL05	143		0.00	6,200.00	
1403-304	Chill Plate Dwgs (66)-Type A	01JUN05*	42	29JUL05	143		0.00	31,000.00	
1403-324	VPI mold assembly0-Type A	01JUN05*	42	29JUL05	143		0.00	6,200.00	
1403-303	Clamp Dwgs (5)-Type A	01JUN05*	42	29JUL05	143		0.00	6,200.00	
1403-306	Cooling, Electr Schematic Dwgs (1)-Type A	01JUN05*	42	29JUL05	143		0.00	6,200.00	
1403-308	I&C Dwgs (1) -Type A	01JUN05*	42	29JUL05	143		0.00	6,200.00	
1403-323	Top level coil assembly-Type A	01JUN05*	42	29JUL05	143		0.00	6,200.00	
1403-58A	Check and promote models / drawings -Type A	01JUN05*	42	29JUL05	143		0.00	6,200.00	
1403-904	Update cost/sched estimates&Design Basis doc.	01JUN05*	42	29JUL05	143		0.00	6,200.00	
1403-900	Prep FDR Documentation	25JUL05	5	29JUL05	143		0.00	3,100.00	
1403-71	FDR Production Type A Mod Coil Winding		0	29JUL05*	143		0.00	0.00	
1403-901	Resolve FDR comments	01AUG05	3	03AUG05	190		0.00	3,100.00	
1403-902	Type A product specification	01AUG05*	5	05AUG05	178		0.00	3,100.00	
1403-71.05	Update MIT/QA Plans for Type A Winding Fab	08AUG05*	10	19AUG05	178		0.00	3,100.00	
1403-71.1	Fab Readiness Review - Production Type A		0	19AUG05*	178		0.00	0.00	
Winding and Assembly Design-Type B									
1403-419	MCWF studs,modifications-Type B	29APR05A	109*	30SEP05	204	30	1,860.00	6,200.00	
1403-420	Cladding assembly-Type B	01AUG05*	45	30SEP05	204		0.00	31,000.00	
1403-401	Leads & crossover Dwgs (10)-Type B	01AUG05*	45	30SEP05	204		0.00	6,200.00	
1403-400	Winding pack assy Dwgs (8)-Type B	01AUG05*	45	30SEP05	204		0.00	6,200.00	
1403-421	Lead ends & closure-Type B	01AUG05*	45	30SEP05	204		0.00	6,200.00	
1403-422	Terminal assembly-Type B	01AUG05*	45	30SEP05	204		0.00	6,200.00	
1403-404	Chill Plate Dwgs (66)-TypeB	01AUG05*	45	30SEP05	204		0.00	31,000.00	
1403-424	VPI mold assembly0-Type B	01AUG05*	45	30SEP05	204		0.00	6,200.00	
1403-403	Clamp Dwgs (5)-Type B	01AUG05*	45	30SEP05	204		0.00	6,200.00	
1403-406	Cooling, Electr Schematic Dwgs (1)-Type B	01AUG05*	45	30SEP05	204		0.00	6,200.00	
1403-408	I&C Dwgs (1) -Type B	01AUG05*	45	30SEP05	204		0.00	6,200.00	
1403-423	Top level coil assembly-Type B	01AUG05*	45	30SEP05	204		0.00	6,200.00	
1403-58B	Check and promote models / drawings -Type B	01AUG05*	45	30SEP05	204		0.00	6,200.00	



Run Date 31MAY05 15:44

PMB Schedule
xECP-30 Baseline
Progress Bar
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0504

NCSX
STATUS THROUGH APRIL 30
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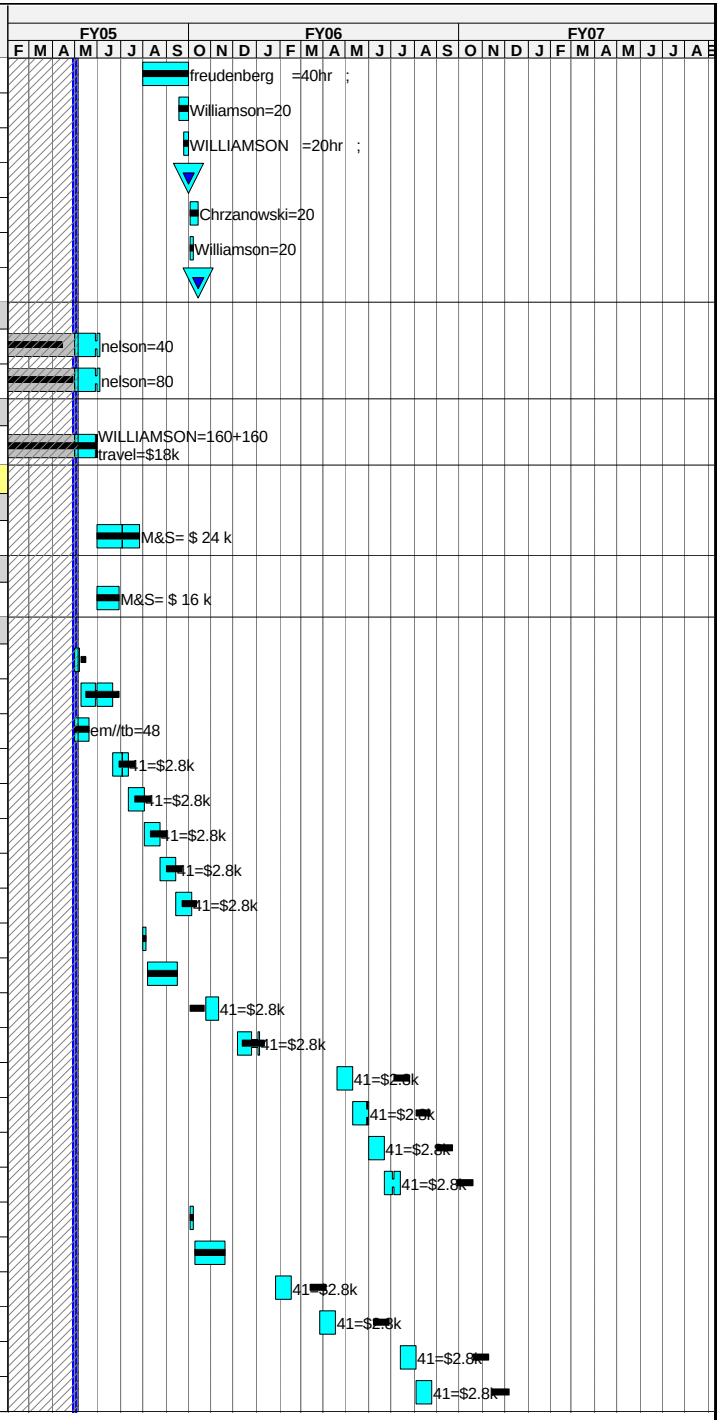
1403-80	Update design basis doc & cost sched est	01AUG05*	45	30SEP05	204		0.00	6,200.00	
1403-72.06	Update build-to spec	19SEP05	10	30SEP05	204		0.00	3,305.00	
1403-81	Prepare FDR doc	26SEP05	5	30SEP05	204		0.00	3,100.00	
1403-72	Final Design Review Production Type B		0	30SEP05*	204		0.00	0.00	
1403-72.05	Update MIT/QA Plans for Type C Winding Fab	03OCT05	10	14OCT05	244		0.00	3,671.40	
1403-72.07	Resolve FDR comments	03OCT05	5	07OCT05	249		0.00	3,671.40	
1403-72.1	Fab Readiness Review - Production Type B		0	14OCT05*	244		0.00	0.00	
Twisted Racetrack Design (Williamson)									
1406-104	Prepare Draft of Coil Test Plan	01OCT03A	416*	03JUN05	182	75	4,175.66	5,567.55	
1406-110	Finalize, Approve coil test plan	01DEC03A	375*	03JUN05	182	75	8,420.19	11,226.92	
TITLE2TRC	Titel III Design-TRC FAB	24JAN05A	91*	31MAY05	1,096	LOE	61,189.33	79,570.00	
Job:1408-Mod Coil Winding Supplies-CHRZANOWSKI									
Copper Conductor									
1408-146	Add'l Copper Conductor f/trial winding PE005371	01JUN05*	40	27JUL05	1,062		0.00	30,744.00	
Insulation for conductor									
1408-108	Insulation-Delivery incl add'l f/trial winding	01JUN05*	20	28JUN05	1,082		0.00	20,496.00	
Cladding									
1408-501	Submet Requisition for Type C Cladding	02MAY05	5	06MAY05	166		0.00	0.00	
1408-503	Bid and Award Type C Cladding	09MAY05	30	20JUN05	166		0.00	0.00	
1408-505	PPPL Fabr Cladding Type C for Coil c1	02MAY05	15	20MAY05	186		0.00	3,586.65	
1408-507	Fabr Cladding Type C for Coil c2	21JUN05	15	12JUL05	166		0.00	3,586.80	
1408-509	Fabr Cladding Type C for Coil c3	13JUL05	15	02AUG05	206		0.00	3,586.80	
1408-511	Fabr Cladding Type C for Coil c4	03AUG05	15	23AUG05	246		0.00	3,586.80	
1408-513	Fabr Cladding Type C for Coil c5	24AUG05	15	13SEP05	282		0.00	3,586.80	
1408-515	Fabr Cladding Type C for Coil c6	14SEP05	15	04OCT05	298		0.00	3,660.72	
1408-517	Submet Requisition for Type A Cladding	01AUG05	5	05AUG05	143		0.00	0.00	
1408-519	Bid and Award Type A Cladding	08AUG05	30	16SEP05	143		0.00	0.00	
1408-521	Fabr Cladding Type A for Coil a1	24OCT05	15	11NOV05	118		0.00	4,141.20	
1408-523	Fabr Cladding Type A for Coil a2	07DEC05	15	04JAN06	141		0.00	4,141.20	
1408-525	Fabr Cladding Type A for Coil a3	19APR06	15	09MAY06	206		0.00	4,141.20	
1408-527	Fabr Cladding Type A for Coil a4	10MAY06	15	31MAY06	206		0.00	4,141.20	
1408-529	Fabr Cladding Type A for Coil a5	01JUN06	15	21JUN06	247		0.00	4,141.20	
1408-531	Fabr Cladding Type A for Coil a6	22JUN06	15	13JUL06	248		0.00	4,141.20	
1408-533	Submet Requisition for Type B Cladding	03OCT05	5	07OCT05	204		0.00	0.00	
1408-535	Bid and Award Type B Cladding	10OCT05	30	18NOV05	204		0.00	0.00	
1408-537	Fabr Cladding Type B for Coil b1	26JAN06	15	15FEB06	164		0.00	4,141.20	
1408-539	Fabr Cladding Type B for Coil b2	28MAR06	15	17APR06	182		0.00	4,141.20	
1408-541	Fabr Cladding Type B for Coil b3	14JUL06	15	03AUG06	280		0.00	4,141.20	
1408-543	Fabr Cladding Type B for Coil b4	04AUG06	15	24AUG06	280		0.00	4,141.20	



Run Date 31MAY05 15:44

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PMB Schedule
xECP-30 Baseline
Progress Bar
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0504

NCSX
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AGAINST ECP-30

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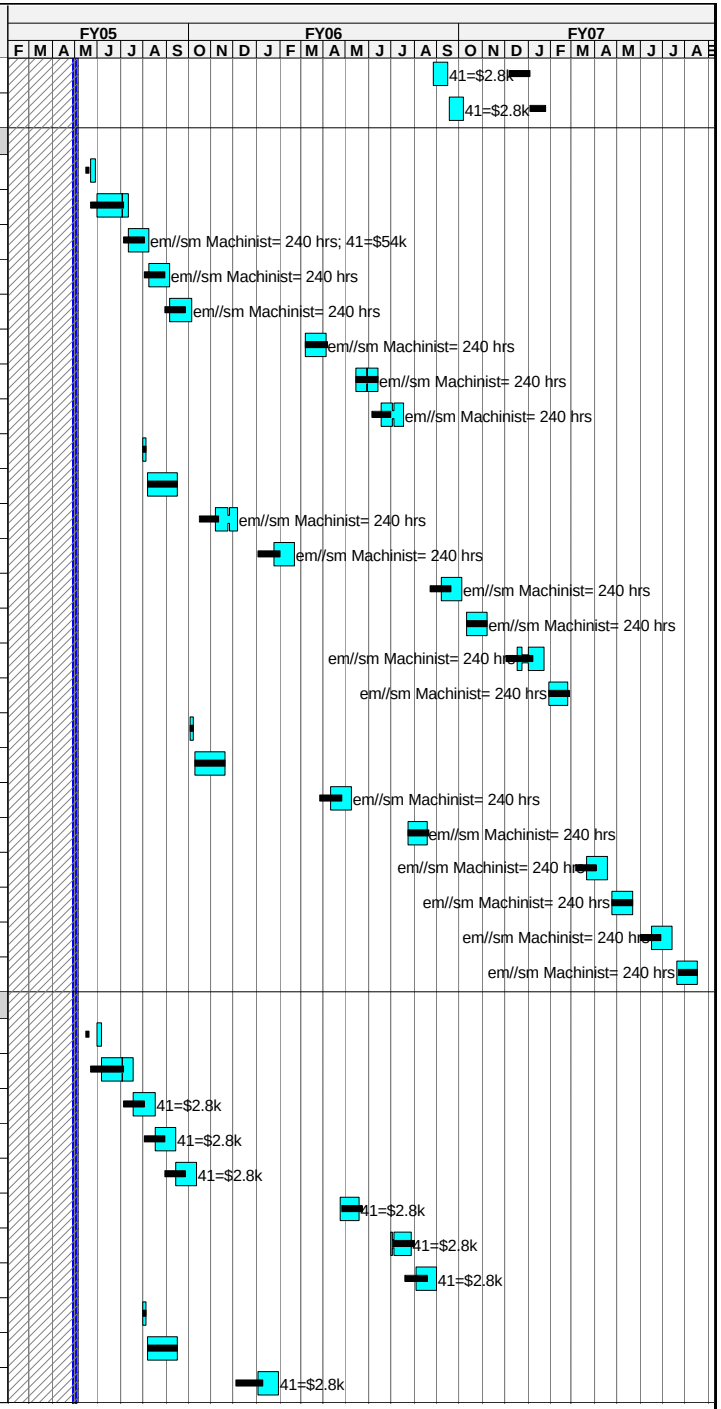
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	ECP-30 Budget	ETC
1408-545	Fabr Cladding Type B for Coil b5	28AUG06	15	15SEP06	322		0.00	4,141.20	
1408-547	Fabr Cladding Type B for Coil b6	18SEP06	15	06OCT06	326		0.00	4,053.47	
Lead hardware & Fillers									
1408-701	Submet Requisition for Type C Lead HW	23MAY05	5	27MAY05	141		0.00	0.00	
1408-703	Bid and Award Type C Lead HW	31MAY05	30	12JUL05	141		0.00	0.00	
1408-705	Fabr Lead HW Type C for Coil c1	13JUL05	20	09AUG05	141		0.00	94,378.80	
1408-707	Fabr Lead HW Type C for Coil c2	10AUG05	20	06SEP05	141		0.00	25,204.80	
1408-709	Fabr Lead HW Type C for Coil c3	07SEP05	20	04OCT05	176		0.00	25,509.60	
1408-711	Fabr Lead HW Type C for Coil c4	08MAR06	20	04APR06	110		0.00	28,252.80	
1408-713	Fabr Lead HW Type C for Coil c5	15MAY06	20	12JUN06	110		0.00	28,252.80	
1408-715	Fabr Lead HW Type C for Coil c6	19JUN06	20	17JUL06	124		0.00	28,252.80	
1408-717	Submet Requisition for Type A Lead HW	01AUG05	5	05AUG05	158		0.00	0.00	
1408-719	Bid and Award Type A Lead HW	08AUG05	30	16SEP05	158		0.00	0.00	
1408-721	Fabr Lead HW Type A for Coil a1	07NOV05	20	06DEC05	123		0.00	28,252.80	
1408-723	Fabr Lead HW Type A for Coil a2	24JAN06	20	20FEB06	123		0.00	28,252.80	
1408-725	Fabr Lead HW Type A for Coil a3	06SEP06	20	03OCT06	123		0.00	28,318.08	
1408-727	Fabr Lead HW Type A for Coil a4	10OCT06	20	06NOV06	109		0.00	28,905.60	
1408-729	Fabr Lead HW Type A for Coil a5	18DEC06	20	22JAN07	124		0.00	28,905.60	
1408-731	Fabr Lead HW Type A for Coil a6	29JAN07	20	23FEB07	110		0.00	28,905.60	
1408-733	Submet Requisition for Type B Lead HW	03OCT05	5	07OCT05	217		0.00	0.00	
1408-735	Bid and Award Type B Lead HW	10OCT05	30	18NOV05	217		0.00	0.00	
1408-737	Fabr Lead HW Type B for Coil b1	11APR06	20	08MAY06	124		0.00	28,252.80	
1408-739	Fabr Lead HW Type B for Coil b2	24JUL06	20	18AUG06	110		0.00	28,252.80	
1408-741	Fabr Lead HW Type B for Coil b3	21MAR07	20	17APR07	125		0.00	28,905.60	
1408-743	Fabr Lead HW Type B for Coil b4	24APR07	20	21MAY07	111		0.00	28,905.60	
1408-745	Fabr Lead HW Type B for Coil b5	18JUN07	20	13JUL07	131		0.00	28,905.60	
1408-747	Fabr Lead HW Type B for Coil b6	20JUL07	20	16AUG07	126		0.00	28,905.60	
Chill Plates									
1408-601	Submet Requisition for Type C Chill Plts	31MAY05	5	06JUN05	169		0.00	0.00	
1408-603	Bid and Award Type C Chill Plts	07JUN05	30	19JUL05	169		0.00	0.00	
1408-605	Fabr Chill Plts Type C for Coil c1	20JUL05	20	16AUG05	169		0.00	3,586.80	
1408-607	Fabr Chill Plts Type C for Coil c2	17AUG05	20	13SEP05	169		0.00	3,586.80	
1408-609	Fabr Chill Plts Type C for Coil c3	14SEP05	20	11OCT05	204		0.00	3,780.84	
1408-611	Fabr Chill Plts Type C for Coil c4	24APR06	20	19MAY06	110		0.00	4,141.20	
1408-613	Fabr Chill Plts Type C for Coil c5	30JUN06	20	28JUL06	110		0.00	4,141.20	
1408-615	Fabr Chill Plts Type C for Coil c6	04AUG06	20	31AUG06	124		0.00	4,141.20	
1408-617	Submet Requisition for Type A Chill Plts	01AUG05	5	05AUG05	191		0.00	0.00	
1408-619	Bid and Award Type A Chill Plts	08AUG05	30	16SEP05	191		0.00	0.00	
1408-621	Fabr Chill Plts Type A for Coil a1	03JAN06	20	30JAN06	123		0.00	4,141.20	



Run Date 31MAY05 15:44

PMB Schedule
xECP-30 Baseline
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NCSX
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AGAINST ECP-30

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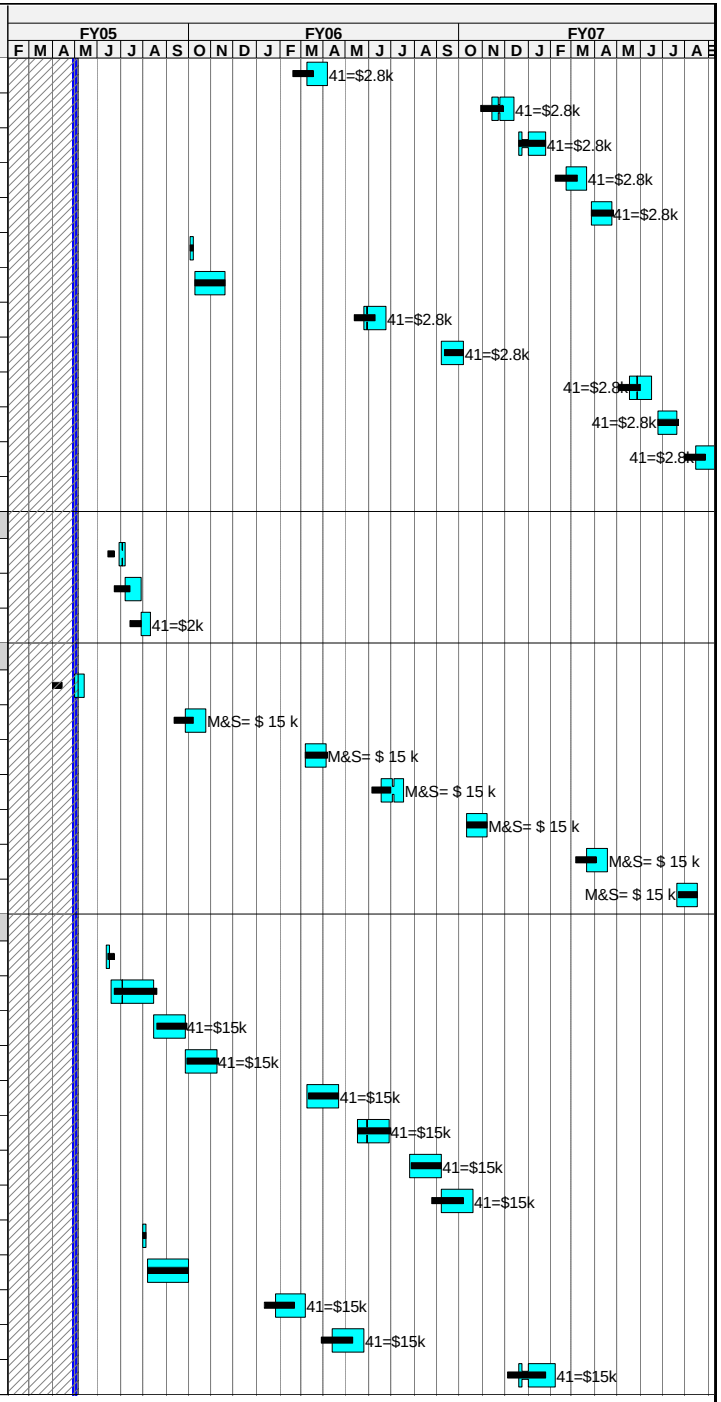
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	ECP-30 Budget	ETC
1408-623	Fabr Chill Plts Type A for Coil a2	10MAR06	20	06APR06	124		0.00	4,141.20	
1408-625	Fabr Chill Plts Type A for Coil a3	14NOV06	20	13DEC06	123		0.00	3,878.00	
1408-627	Fabr Chill Plts Type A for Coil a4	20DEC06	20	24JAN07	109		0.00	3,878.00	
1408-629	Fabr Chill Plts Type A for Coil a5	22FEB07	20	21MAR07	125		0.00	3,878.00	
1408-631	Fabr Chill Plts Type A for Coil a6	28MAR07	20	24APR07	111		0.00	3,878.00	
1408-633	Submet Requisition for Type B Chill Plts	03OCT05	5	07OCT05	250		0.00	0.00	
1408-635	Bid and Award Type B Chill Plts	10OCT05	30	18NOV05	250		0.00	0.00	
1408-637	Fabr Chill Plts Type B for Coil b1	26MAY06	20	23JUN06	124		0.00	4,141.20	
1408-639	Fabr Chill Plts Type B for Coil b2	08SEP06	20	05OCT06	109		0.00	4,088.56	
1408-641	Fabr Chill Plts Type B for Coil b3	18MAY07	20	15JUN07	125		0.00	3,878.00	
1408-643	Fabr Chill Plts Type B for Coil b4	25JUN07	20	20JUL07	109		0.00	3,878.00	
1408-645	Fabr Chill Plts Type B for Coil b5	16AUG07	20	12SEP07	130		0.00	3,878.00	
1408-647	Fabr Chill Plts Type B for Coil b6	19SEP07	20	16OCT07	125		0.00	3,916.64	
Tubing									
1408-761	Submet Requisition for Tubing	30JUN05	5	07JUL05	182		0.00	0.00	
1408-763	Bid and Award Tubing	08JUL05	15	28JUL05	182		0.00	0.00	
1408-765	Deliver Tubing	29JUL05	10	11AUG05	182		0.00	2,562.00	
Epoxy									
1408-114	Epoxy -Evaluate Bids & Award	02MAY05	10	13MAY05	448		0.00	0.00	
1408-117	Epoxy -1st Delivery for Production	27SEP05	20	24OCT05	354		0.00	22,185.00	
1408-119	Epoxy -2nd Delivery for Production	08MAR06	20	04APR06	282		0.00	22,185.00	
1408-121	Epoxy -3rd Delivery for Production	19JUN06	20	17JUL06	247		0.00	22,185.00	
1408-123	Epoxy -4th Delivery for Production	10OCT06	20	06NOV06	203		0.00	20,775.00	
1408-125	Epoxy -5th Delivery for Production	21MAR07	20	17APR07	166		0.00	20,775.00	
1408-127	Epoxy -6th Delivery for Production	20JUL07	20	16AUG07	109		0.00	20,775.00	
Clamps									
1408-901	Submet Requisition for Type C Clamps	13JUN05	5	17JUN05	396		0.00	0.00	
1408-903	Bid and Award Type C Clamps	20JUN05	40	15AUG05	396		0.00	0.00	
1408-905	Fabr Clamps Type C for Coil c1	16AUG05	30	26SEP05	396		0.00	19,215.00	
1408-907	Fabr Clamps Type C for Coil c2	27SEP05	30	07NOV05	396		0.00	21,789.00	
1408-909	Fabr Clamps Type C for Coil c3	10MAR06	30	20APR06	300		0.00	22,185.00	
1408-911	Fabr Clamps Type C for Coil c4	17MAY06	30	28JUN06	267		0.00	22,185.00	
1408-913	Fabr Clamps Type C for Coil c5	27JUL06	30	06SEP06	244		0.00	22,185.00	
1408-915	Fabr Clamps Type C for Coil c6	08SEP06	30	19OCT06	221		0.00	21,527.00	
1408-917	Submet Requisition for Type A Clamps	01AUG05	5	05AUG05	399		0.00	0.00	
1408-919	Bid and Award Type A Clamps	08AUG05	40	30SEP05	399		0.00	0.00	
1408-921	Fabr Clamps Type A for Coil a1	26JAN06	30	08MAR06	324		0.00	22,185.00	
1408-923	Fabr Clamps Type A for Coil a2	13APR06	30	24MAY06	284		0.00	22,185.00	
1408-925	Fabr Clamps Type A for Coil a3	20DEC06	30	07FEB07	220		0.00	20,775.00	



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Actual Completions Suppressed

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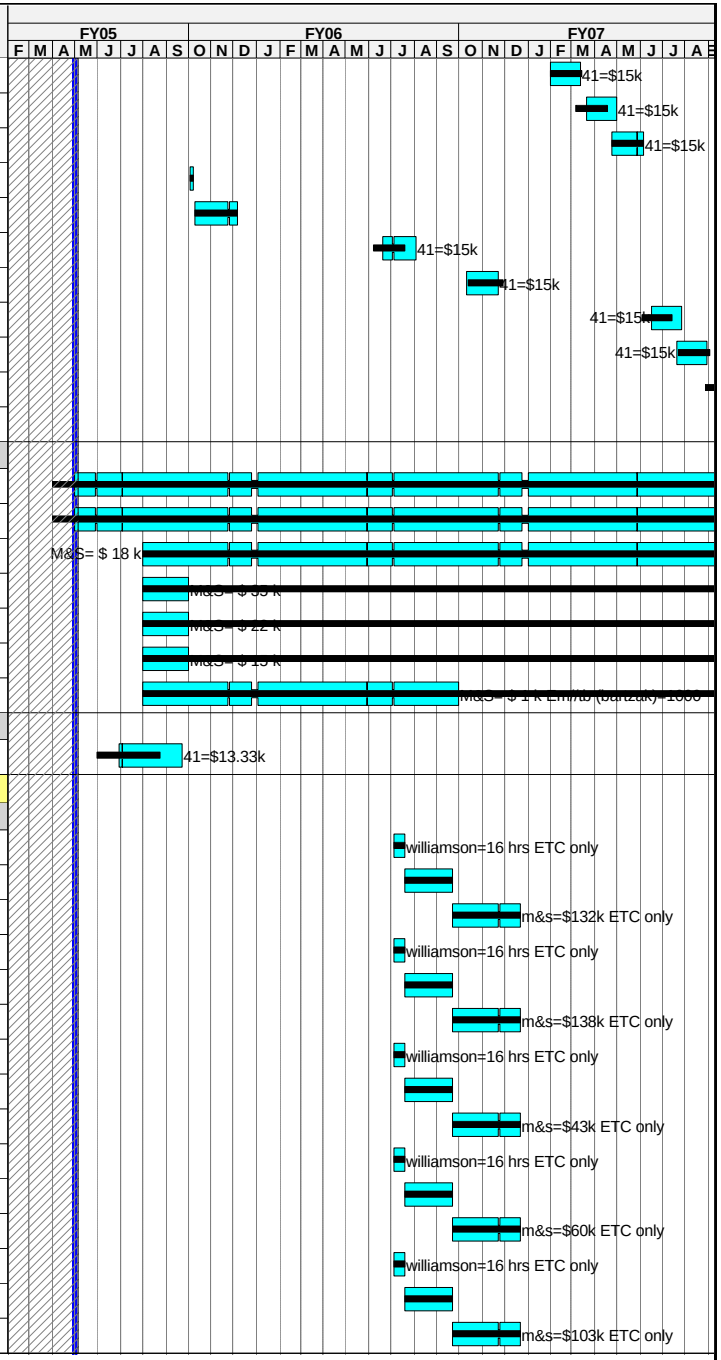
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	ECP-30 Budget	ETC
1408-927	Fabr Clamps Type A for Coil a4	31JAN07	30	13MAR07	202		0.00	20,775.00	
1408-929	Fabr Clamps Type A for Coil a5	21MAR07	30	01MAY07	174		0.00	20,775.00	
1408-931	Fabr Clamps Type A for Coil a6	24APR07	30	05JUN07	157		0.00	20,775.00	
1408-933	Submet Requisition for Type B Clamps	03OCT05	5	07OCT05	383		0.00	0.00	
1408-935	Bid and Award Type B Clamps	10OCT05	40	06DEC05	383		0.00	0.00	
1408-937	Fabr Clamps Type B for Coil b1	21JUN06	30	02AUG06	250		0.00	22,185.00	
1408-939	Fabr Clamps Type B for Coil b2	12OCT06	30	22NOV06	204		0.00	20,775.00	
1408-941	Fabr Clamps Type B for Coil b3	18JUN07	30	27JUL07	126		0.00	20,775.00	
1408-943	Fabr Clamps Type B for Coil b4	20JUL07	30	30AUG07	109		0.00	20,775.00	
1408-945	Fabr Clamps Type B for Coil b5	12SEP07	30	23OCT07	142		0.00	20,970.50	
1408-947	Fabr Clamps Type B for Coil b6	16OCT07	30	26NOV07	126		0.00	21,120.00	
Other									
1408-137	Safety & PPE equipt & supplies	02MAY05*	689*	31JAN08	434		0.00	21,082.14	
1408-138	Misc. Supplies	02MAY05*	689*	31JAN08	434		0.00	16,865.71	
1408-173	Epoxy for Shell Mold (Hysol)	01AUG05*	626*	31JAN08	434		0.00	25,524.06	
1408-183	Tubing (Chem flor and Poly)	01AUG05*	45*	30SEP05	1,015		0.00	44,835.00	
1408-184	Vulcanizing tape, felt and RTV	01AUG05*	45*	30SEP05	1,015		0.00	28,182.00	
1408-185	Valves and Fittings	01AUG05*	45*	30SEP05	1,015		0.00	19,215.00	
1408-186	Manifolds	01AUG05*	295*	29SEP06	765		0.00	83,612.87	
I&C									
174-035	Modular Coil local I&C -Procurement	30JUN05	60	22SEP05	152		0.00	17,075.73	
Job: 1421-Mod Coil Interface Hardware-WILLIAMSON									
1421-100	Submet Requisition for - Assy bolts,nuts,washers	06JUL06	10	19JUL06	164		0.00	0.00	
1421-105	Procurement lead time for-Assy bolts,nuts,washer	20JUL06	45	20SEP06	164		0.00	0.00	
1421-110	Deliver - Assy bolts,nuts,washers	21SEP06	65	22DEC06	164		0.00	0.00	
1421-200	Submet Requisition for - Assembly shims	06JUL06	10	19JUL06	164		0.00	0.00	
1421-205	Procurement lead time for - Assembly shims	20JUL06	45	20SEP06	164		0.00	0.00	
1421-210	Deliver - Assembly shims	21SEP06	65	22DEC06	164		0.00	0.00	
1421-300	Submet Requisition for - Eccentric ball assy	06JUL06	10	19JUL06	164		0.00	0.00	
1421-305	Procurement lead time for - Eccentric ball assy	20JUL06	45	20SEP06	164		0.00	0.00	
1421-310	Deliver - Eccentric ball assy	21SEP06	65	22DEC06	164		0.00	0.00	
1421-400	Submet Requisition for - Bladders	06JUL06	10	19JUL06	164		0.00	0.00	
1421-405	Procurement lead time for - Bladders	20JUL06	45	20SEP06	164		0.00	0.00	
1421-410	Deliver - Bladders	21SEP06	65	22DEC06	164		0.00	0.00	
1421-500	Submet Requisition for-Tooling plates&reaming HW	06JUL06	10	19JUL06	164		0.00	0.00	
1421-505	Procurement lead time for-Tooling plates&reaming	20JUL06	45	20SEP06	164		0.00	0.00	
1421-510	Deliver-Tooling plates&reaming HW	21SEP06	65	22DEC06	164		0.00	0.00	



Run Date 31MAY05 15:44

PMB Schedule
xECP-30 Baseline
Progress Bar
Critical Activity

0504

NCSX

STATUS THROUGH APRIL 30
AGAINST ECP-30

Actual Completions Suppressed

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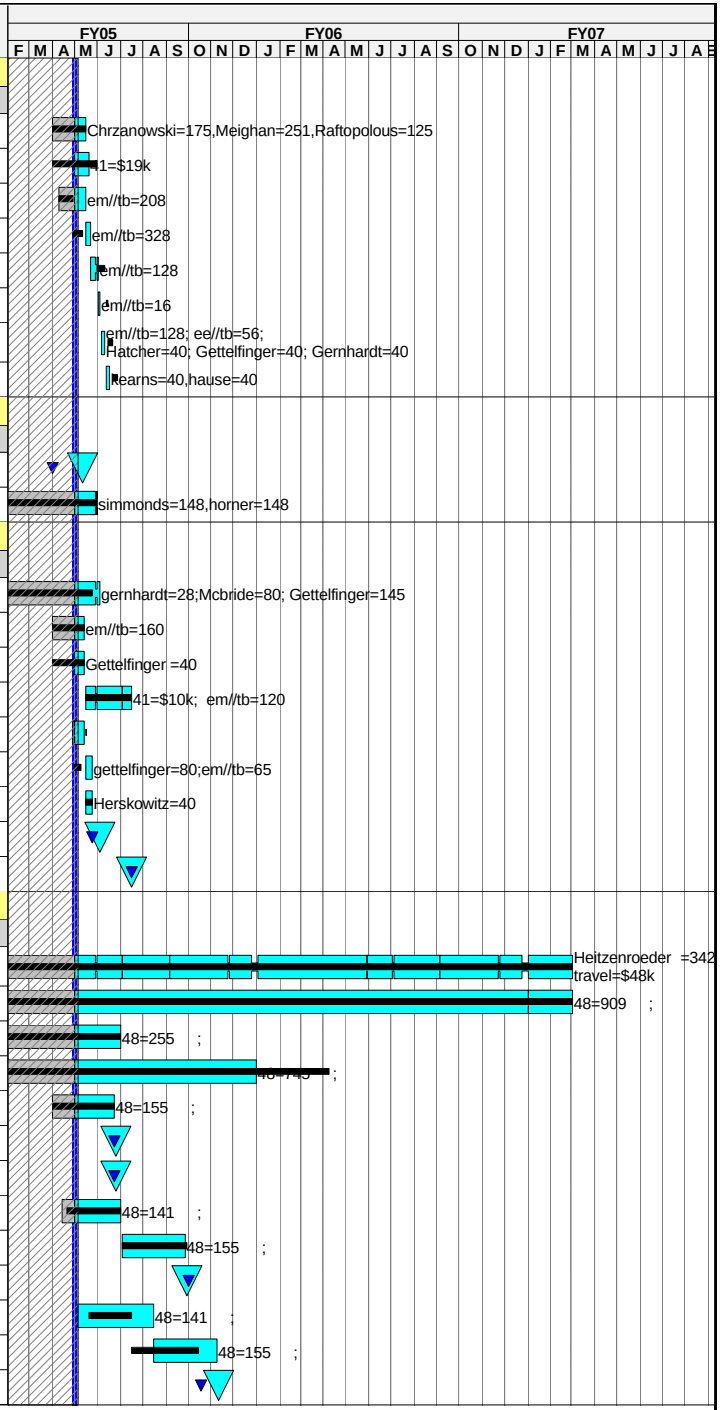
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	ECP-30 Budget	ETC
Job: 1410 MC Twisted Racetrack Fabr-CHRZANOWSKI									
Twisted Racetrack Hardware Fabrication (Chrzano									
1406-01602	Oversight & Supervision	01APR05A	32*	16MAY05	1,106	LOE	50,005.30	76,227.59	
1406-01608	Coil Clamps	02MAY05	15*	20MAY05	183		0.00	24,339.00	
1406-018	Pre-VPI Press test &Apply bag mold	11APR05A	31*	16MAY05	220	70	10,850.11	15,500.16	
1406-019	VPI TRC in autoclave	17MAY05	5	21MAY05	220		0.00	24,442.56	
1406-019.1	Instl permanent clamps	23MAY05	9	02JUN05	220		0.00	9,538.56	
1406-019.2	Electrical & Pressure tests	03JUN05	1	03JUN05	182		0.00	1,192.32	
1406-021	Test Coil	06JUN05	5	10JUN05	182		0.00	30,844.24	
1406-023	Dissect Coil	13JUN05	5	17JUN05	182		0.00	5,961.60	
Job: 1412 - Complete Winding Facilities-CHRZANOW									
Remaining fixtures & tooling									
1412-199	Complete Winding Facility ACC Review		0	12MAY05*	1,108		0.00	0.00	
1407-127.1	Complete Fab Type B casting supports (6) sets	01OCT04A	163*	31MAY05	1,096	95	31,574.12	33,235.92	
Job: 1409 - Mod. Coil Test Stand-GETTELFINGER									
Test Stand									
1409-029	Oversight/Supervision	01APR04A	294*	03JUN05	182	LOE	32,179.03	35,053.41	
1409-141	Modify Cryostat for TRC	01APR05A	31*	13MAY05	190	20	2,384.64	11,923.20	
1409-130	Cryostat (specimen shroud) dsn	02MAY05*	10*	13MAY05	1,064		0.00	6,416.80	
1409-135	Cryostat (specimen shroud) Fabr & Install	16MAY05	43	15JUL05	1,064		0.00	21,752.40	
1409-044	Final Design & ACC Review	29APR05A	11*	13MAY05	1,107	90	0.00	0.00	
1409-028	System Testing (planar racetrack)	16MAY05*	6*	23MAY05	190		0.00	17,677.40	
1409-160	Test Closed Loop Cooling	16MAY05	6	23MAY05	190		0.00	2,980.80	
1409-165	Closed Loop Facility Available for TRC		0	03JUN05*	182		0.00	0.00	
1409-199	Closed Loop Facility Available for Production MC		0	15JUL05*	1,064		0.00	0.00	
Job: 1411-MCWF Fabrication S005242-HEITZENROEDER									
172-031	Title III engr	24MAY04A	690*	01MAR07	660	LOE	59,200.86	175,150.48	
MCWF-001	EIO Project Mgt. & Reporting	29OCT04A	604*	01MAR07	666	LOE	189,945.47	908,830.00	
MCWF-021	Pattern B complete	01DEC04A	150*	01JUL05	1,099	17	43,370.40	255,120.00	
MCWF-041	Materials (MetalTek)	29NOV04A	282*	30DEC05	328	67	498,982.50	744,750.00	
MCWF-061	C1-MTM - machining/inspection	01APR05A	59*	22JUN05	171	30	46,473.00	154,910.00	
MCWF-071	C1-Receive at PPPL		0	24JUN05*	171		0.00	0.00	
C-121.1	First MCWF C-1 Delivered		0	24JUN05	1,104		0.00	0.00	
MCWF-081	C2-MTK-casting	15APR05A	56*	01JUL05	117	25	35,202.50	140,810.00	
MCWF-091	C2-MTM - machining/inspection	04JUL05	62*	27SEP05	117		0.00	154,910.00	
MCWF-101	C2-Receive at PPPL		0	29SEP05*	117		0.00	0.00	
MCWF-111	A1-MTK-casting	06MAY05	72*	15AUG05	126	5	7,050.00	141,000.00	
MCWF-121	A1-MTM - machining/inspection	16AUG05	61	08NOV05	126		0.00	154,910.00	
MCWF-131	A1-Receive at PPPL		0	11NOV05*	126		0.00	0.00	



Run Date 31MAY05 15:44

PMB Schedule
xECP-30 Baseline
Progress Bar
Critical Activity

0504

NCSX

STATUS THROUGH APRIL 30
AGAINST ECP-30

Actual Completions Suppressed

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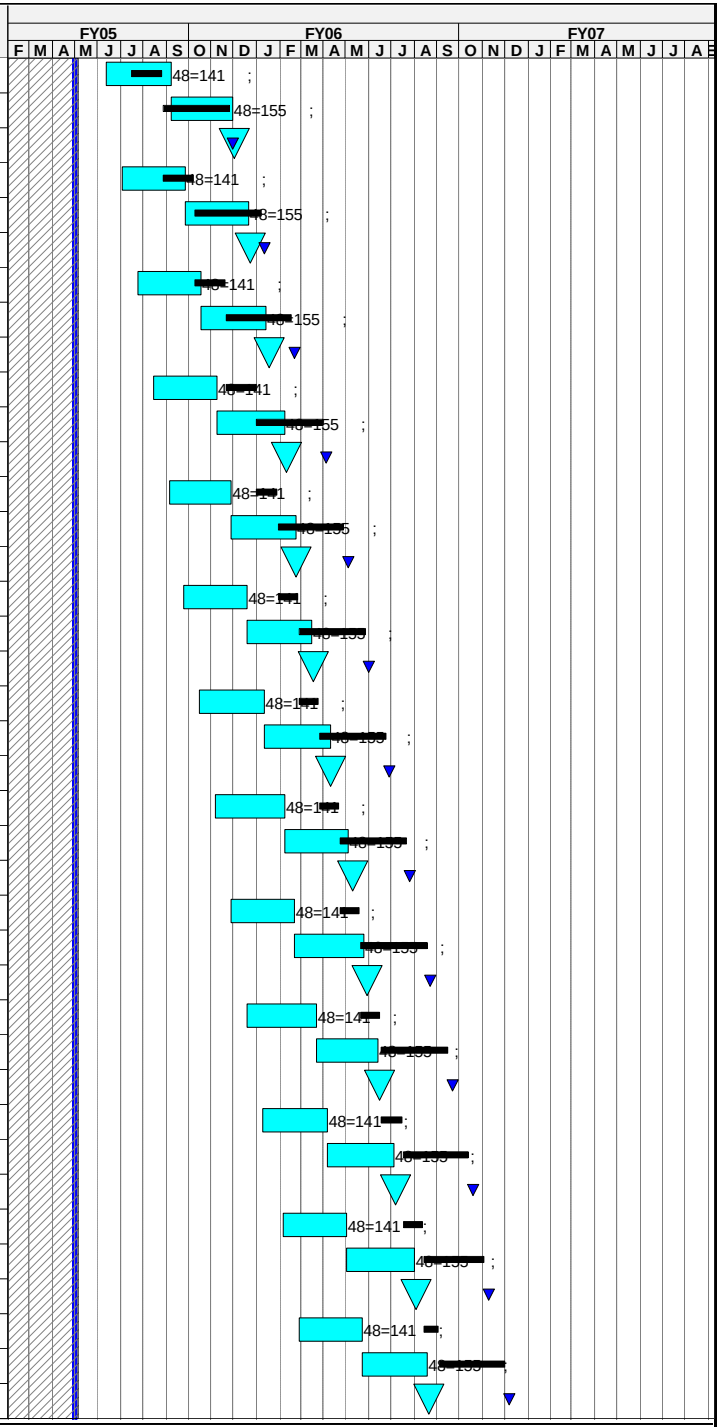
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	ECP-30 Budget	ETC
MCWF-141	C3-MTK-casting	13JUN05*	63	07SEP05	127		0.00	140,810.00	
MCWF-151	C3-MTM - machining/inspection	08SEP05	60	30NOV05	127		0.00	154,910.00	
MCWF-161	C3-Receive at PPPL		0	02DEC05	127		0.00	0.00	
MCWF-171	A2-MTK-casting	04JUL05*	61	26SEP05	151		0.00	140,810.00	
MCWF-181	A2-MTM - machining/inspection	27SEP05	62	21DEC05	151		0.00	154,910.00	
MCWF-191	A2-Receive at PPPL		0	23DEC05	151		0.00	0.00	
MCWF-201	C4-MTK-casting	25JUL05*	61	17OCT05	152		0.00	140,810.00	
MCWF-211	C4-MTM - machining/inspection	18OCT05	63	12JAN06	152		0.00	154,910.00	
MCWF-221	C4-Receive at PPPL		0	16JAN06	152		0.00	0.00	
MCWF-231	B1-MTK-casting	15AUG05*	62	08NOV05	170		0.00	140,810.00	
MCWF-241	B1-MTM - machining/inspection	09NOV05	65	07FEB06	170		0.00	154,910.00	
MCWF-251	B1-Receive at PPPL		0	09FEB06	170		0.00	0.00	
MCWF-261	C5-MTK-casting	05SEP05*	61	28NOV05	175		0.00	140,810.00	
MCWF-271	C5-MTM - machining/inspection	29NOV05	63	23FEB06	175		0.00	154,910.00	
MCWF-281	C5-Receive at PPPL		0	23FEB06	175		0.00	0.00	
MCWF-291	C6-MTK-casting	26SEP05*	61	19DEC05	192		0.00	140,810.00	
MCWF-301	C6-MTM - machining/inspection	20DEC05	62	15MAR06	192		0.00	154,910.00	
MCWF-311	C6-Receive at PPPL		0	17MAR06	192		0.00	0.00	
MCWF-321	B2-MTK-casting	17OCT05*	62	10JAN06	195		0.00	140,810.00	
MCWF-331	B2-MTM - machining/inspection	11JAN06	64	10APR06	195		0.00	154,910.00	
MCWF-341	B2-Receive at PPPL		0	11APR06	195		0.00	0.00	
MCWF-351	A3-MTK-casting	07NOV05*	67	07FEB06	215		0.00	140,810.00	
MCWF-361	A3-MTM - machining/inspection	08FEB06	62	04MAY06	215		0.00	154,910.00	
MCWF-371	A3-Receive at PPPL		0	09MAY06	215		0.00	0.00	
MCWF-381	A4-MTK-casting	28NOV05*	62	21FEB06	216		0.00	140,810.00	
MCWF-391	A4-MTM - machining/inspection	22FEB06	66	24MAY06	216		0.00	154,910.00	
MCWF-401	A4-Receive at PPPL		0	29MAY06	216		0.00	0.00	
MCWF-411	A5-MTK-casting	19DEC05*	67	21MAR06	258		0.00	140,810.00	
MCWF-421	A5-MTM - machining/inspection	22MAR06	60	13JUN06	258		0.00	154,910.00	
MCWF-431	A5-Receive at PPPL		0	16JUN06	258		0.00	0.00	
MCWF-441	A6-MTK-casting	09JAN06*	64	06APR06	258		0.00	140,810.00	
MCWF-451	A6-MTM - machining/inspection	07APR06	64	05JUL06	258		0.00	154,910.00	
MCWF-461	A6-Receive at PPPL		0	07JUL06	258		0.00	0.00	
MCWF-471	B3-MTK-casting	06FEB06*	61	01MAY06	285		0.00	140,810.00	
MCWF-481	B3-MTM - machining/inspection	02MAY06	66	01AUG06	285		0.00	154,910.00	
MCWF-491	B3-Receive at PPPL		0	03AUG06	285		0.00	0.00	
MCWF-501	B4-MTK-casting	27FEB06*	61	22MAY06	288		0.00	140,810.00	
MCWF-511	B4-MTM - machining/inspection	23MAY06	63	17AUG06	288		0.00	154,910.00	
MCWF-521	B4-Receive at PPPL		0	21AUG06	288		0.00	0.00	



Run Date 31MAY05 15:44

PMB Schedule
xECP-30 Baseline
Progress Bar
Critical Activity

0504

NCSX
STATUS THROUGH APRIL 30 AGAINST ECP-30

Actual Completions Suppressed

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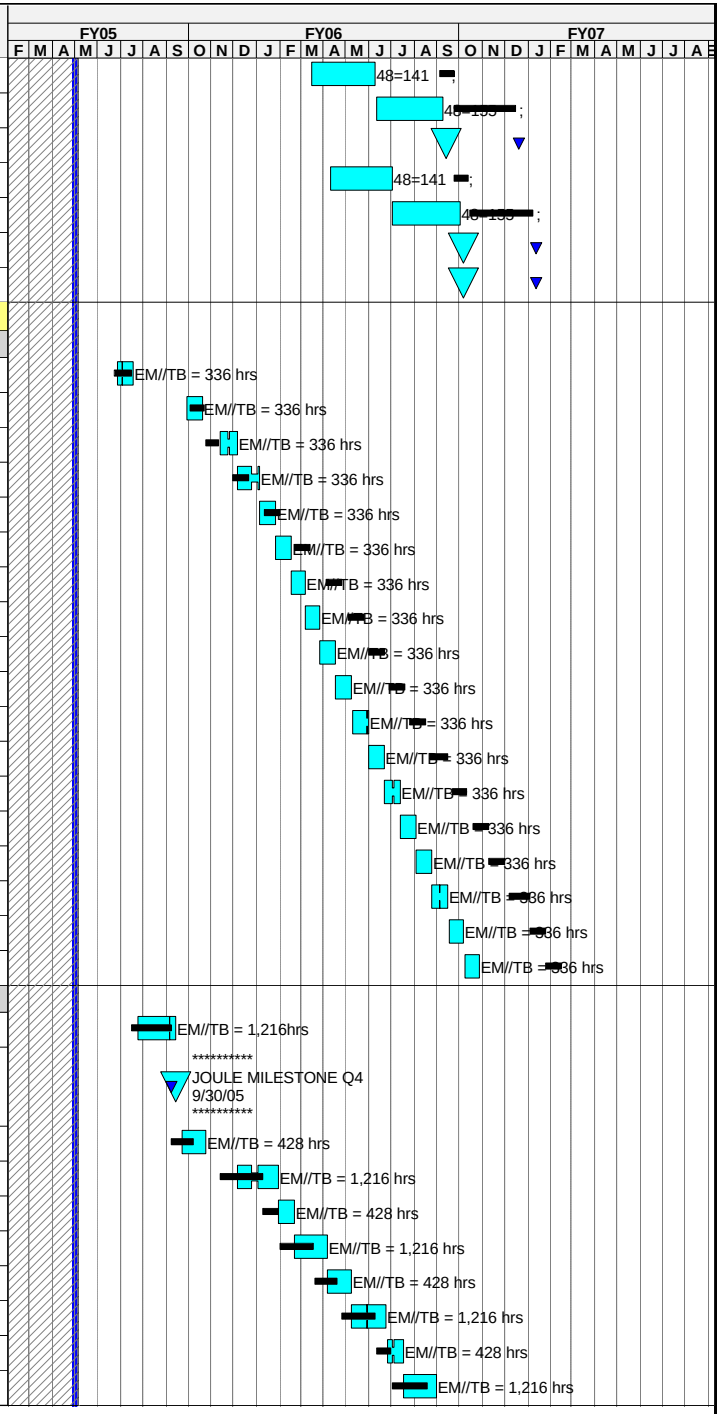
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	ECP-30 Budget	ETC
MCWF-531	B5-MTK-casting	16MAR06*	62	09JUN06	335		0.00	140,810.00	
MCWF-541	B5-MTM - machining/inspection	12JUN06	65	08SEP06	335		0.00	154,910.00	
MCWF-551	B5-Receive at PPPL		0	13SEP06	335		0.00	0.00	
MCWF-561	B6-MTK-casting	10APR06*	61	03JUL06	338		0.00	140,810.00	
MCWF-571	B6-MTM - machining/inspection	04JUL06	65	02OCT06	338		0.00	154,910.00	
MCWF-581	B6-Receive at PPPL		0	05OCT06	338		0.00	0.00	
C-501B1	Last MCWF Delivered		0	05OCT06	770		0.00	0.00	
Job: 1451 - Mod Coil Winding-CHRZANOWSKI									
Station 1 Prep casring & Install Cladding									
P1-001	Receive C1, Prep& Instl Cladding(Station 1)	27JUN05*	15	18JUL05	161		0.00	25,038.72	
P1-091	Receive C2, Prep& Instl Cladding(Station 1)	30SEP05	15	20OCT05	109		0.00	27,925.12	
P2-001	Receive A1, Prep& Instl Cladding(Station 1)	14NOV05	15	06DEC05	118		0.00	28,069.44	
P2-091	Receive C3, Prep& Instl Cladding(Station 1)	07DEC05	15	04JAN06	118		0.00	28,069.44	
P3-001	Receive A2, Prep& Instl Cladding(Station 1)	05JAN06	15	25JAN06	141		0.00	28,069.44	
P3-091	Receive C4, Prep& Instl Cladding(Station 1)	26JAN06	15	15FEB06	143		0.00	28,069.44	
P1-031	Receive B1, Prep& Instl Cladding(Station 1)	16FEB06	15	08MAR06	163		0.00	28,069.44	
P1-121	Receive C5, Prep& Instl Cladding(Station 1)	09MAR06	13	27MAR06	163		0.00	28,069.44	
P2-031	Receive C6, Prep& Instl Cladding(Station 1)	28MAR06	15	17APR06	181		0.00	28,069.44	
P2-121	Receive B2, Prep& Instl Cladding(Station 1)	18APR06	15	08MAY06	181		0.00	28,069.44	
P3-031	Receive A3, Prep& Instl Cladding(Station 1)	10MAY06	15	31MAY06	205		0.00	28,069.44	
P3-121	Receive A4, Prep& Instl Cladding(Station 1)	01JUN06	15	21JUN06	205		0.00	28,069.44	
P1-061	Receive A5, Prep& Instl Cladding(Station 1)	22JUN06	15	13JUL06	246		0.00	28,069.44	
P1-151	Receive A6, Prep& Instl Cladding(Station 1)	14JUL06	15	03AUG06	246		0.00	28,069.44	
P2-061	Receive B3, Prep& Instl Cladding(Station 1)	04AUG06	15	24AUG06	277		0.00	28,069.44	
P2-151	Receive B4, Prep& Instl Cladding(Station 1)	25AUG06	15	15SEP06	277		0.00	28,069.44	
P3-061	Receive B5, Prep& Instl Cladding(Station 1)	18SEP06	15	06OCT06	321		0.00	28,378.24	
P3-151	Receive B6, Prep& Instl Cladding(Station 1)	09OCT06	15	27OCT06	325		0.00	28,717.92	
Station 2-Winding, Instl Chill Plates,Tubing,Bag									
P1-011	Wind coil C1 ------>@+50% for first coil	25JUL05*	37	14SEP05	158		0.00	90,616.32	
P1-011J	Complete Winding First Modular Coil		0	14SEP05	1,022		0.00	0.00	
P1-020	Instl Chill Plates,Tubing, Bag C1 (Station 2)	23SEP05	22	24OCT05	152		0.00	34,702.24	
P2-011	Wind coil A1	07DEC05	33	30JAN06	123		0.00	101,584.64	
P2-020	Instl Chill Plates,Tubing, Bag A1 (Station 2)	31JAN06	15	20FEB06	123		0.00	35,755.12	
P3-011	Wind coil A2	21FEB06	33	06APR06	123		0.00	101,584.64	
P3-020	Instl Chill Plates,Tubing, Bag A2 (Station 2)	07APR06	22	08MAY06	123		0.00	35,755.12	
P1-041	Wind coil B1	09MAY06	33	23JUN06	123		0.00	101,584.64	
P1-050	Instl Chl Plates,Tubing, Bag B1 (Station 2)	26JUN06	15	17JUL06	123		0.00	35,755.12	
P2-041	Wind coil C6 (station 2)	18JUL06	33	31AUG06	123		0.00	101,584.64	



Run Date 31MAY05 15:44

PMB Schedule
xECP-30 Baseline
Progress Bar
Critical Activity

0504

NCSX
STATUS THROUGH APRIL 30
AGAINST ECP-30

Actual Completions Suppressed

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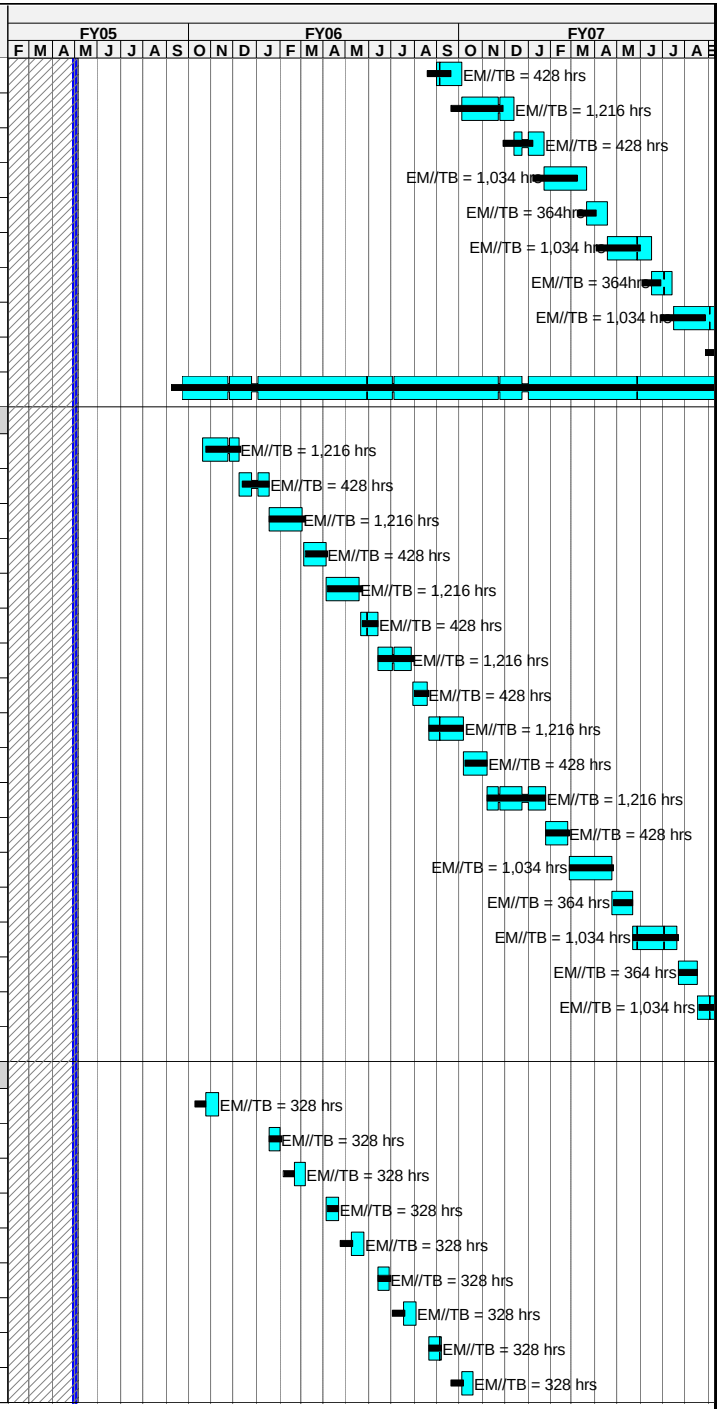
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	ECP-30 Budget	ETC
P2-050	Instl Chl Plates,Tubing, Bag C6 (Station 2)	01SEP06	22	03OCT06	123		0.00	35,830.21	
P3-041	Wind coil A3 (station 2)	04OCT06	49	13DEC06	123		0.00	103,931.52	
P3-050	Instl Chl Plates,Tubing, Bag A3 Station 2)	14DEC06	22	22JAN07	123		0.00	36,581.16	
P1-071	Wind coil A5 (station 2)@15%	23JAN07	42	21MAR07	123		0.00	88,375.98	
P1-080	Instl Chl Plates,Tubing,Bag A5(Station 2)@15%	22MAR07	19	17APR07	123		0.00	31,111.08	
P2-071	Wind coil B3 (station 2)@15%	18APR07	42	15JUN07	123		0.00	88,375.98	
P2-080	Instl Chill Plates,Tubing,Bag B3 (Station 2)@15%	18JUN07	19	13JUL07	123		0.00	31,111.08	
P3-071	Wind coil B5 (station 2)@15%	16JUL07	42	12SEP07	131		0.00	88,375.98	
P3-080	Instl Chill Plates,Tubing,Bag B5 Station 2)@15%	13SEP07	19	09OCT07	131		0.00	31,524.12	
174-037	Modular Coil local I&C -Install (from wbs 143)	23SEP05	514*	09OCT07	130		0.00	69,107.90	
Station 3-Winding, Instl Chill Plates,Tubing,Bag									
P1-101	Wind coil C-2(station 3)	21OCT05*	33	08DEC05	109		0.00	101,584.64	
P1-110	Instl Chill Plates,Tubing, Bag C2 (Station 3)	09DEC05	22	17JAN06	109		0.00	35,755.12	
P2-101	Wind coil C-3 (station3)	18JAN06	33	03MAR06	109		0.00	101,584.64	
P2-110	Instl Chill Plates,Tubing, Bag C3(Station 3)	06MAR06	22	04APR06	109		0.00	35,755.12	
P3-101	Wind coil C4 (station 3)	05APR06	33	19MAY06	109		0.00	101,584.64	
P3-110	Instl Chill Plates,Tubing, Bag C4 (Station 3)	22MAY06	15	12JUN06	109		0.00	35,755.12	
P1-131	Wind coil C5 (station 3	13JUN06	33	28JUL06	109		0.00	101,584.64	
P1-140	Instl Chl Plates,Tubing, Bag C5 Station 3)	31JUL06	15	18AUG06	109		0.00	35,755.12	
P2-131	Wind coil B2 (station3)	21AUG06	33	05OCT06	109		0.00	101,869.11	
P2-140	Instl Chl Plates,Tubing, Bag B2 (Station 3)	06OCT06	22	06NOV06	109		0.00	36,581.16	
P3-131	Wind coil A4 (station 3)	07NOV06	49	24JAN07	109		0.00	103,931.52	
P3-140	Instl Chl Plates,Tubing, Bag A4 (Station 3)	25JAN07	22	23FEB07	109		0.00	36,581.16	
P1-161	Wind coil A6 (station 3)@15%	26FEB07	42	24APR07	109		0.00	88,375.98	
P1-170	Instl Chill Plates,Tubing,Bag A6Station 3)@15%	25APR07	19	21MAY07	109		0.00	31,111.08	
P2-161	Wind coil B4 (station 3)@15%	22MAY07	42	20JUL07	109		0.00	88,375.98	
P2-170	Instl Chill Plates,Tubing,Bag B4Station3)@15%	23JUL07	19	16AUG07	109		0.00	31,111.08	
P3-161	Wind coil B6 (station 3)@15%	17AUG07	42	16OCT07	126		0.00	89,285.90	
P3-170	Instl Chill Plates,Tubing,Bag B6Station3)@15%	17OCT07	19	12NOV07	126		0.00	32,232.20	
Station 5-VPI									
P1-021V	VPI (Station 5) C1	25OCT05	12	09NOV05	353		0.00	27,401.12	
P1-111V	VPI (Station 5) C2	18JAN06	12	02FEB06	312		0.00	27,401.12	
P2-021V	VPI (Station 5) A1	21FEB06	12	08MAR06	300		0.00	27,401.12	
P2-111V	VPI (Station 5) C3	05APR06	12	20APR06	281		0.00	27,401.12	
P3-021V	VPI (Station 5) A2	09MAY06	12	24MAY06	269		0.00	27,401.12	
P3-111V	VPI (Station 5) C4	13JUN06	12	28JUN06	257		0.00	27,401.12	
P1-051V	VPI (Station 5) B1	18JUL06	12	02AUG06	245		0.00	27,401.12	
P1-141V	VPI (Station 5) C5	21AUG06	12	06SEP06	233		0.00	27,401.12	
P2-051V	VPI (Station 5) C6	04OCT06	12	19OCT06	214		0.00	28,034.16	



Run Date 31MAY05 15:44

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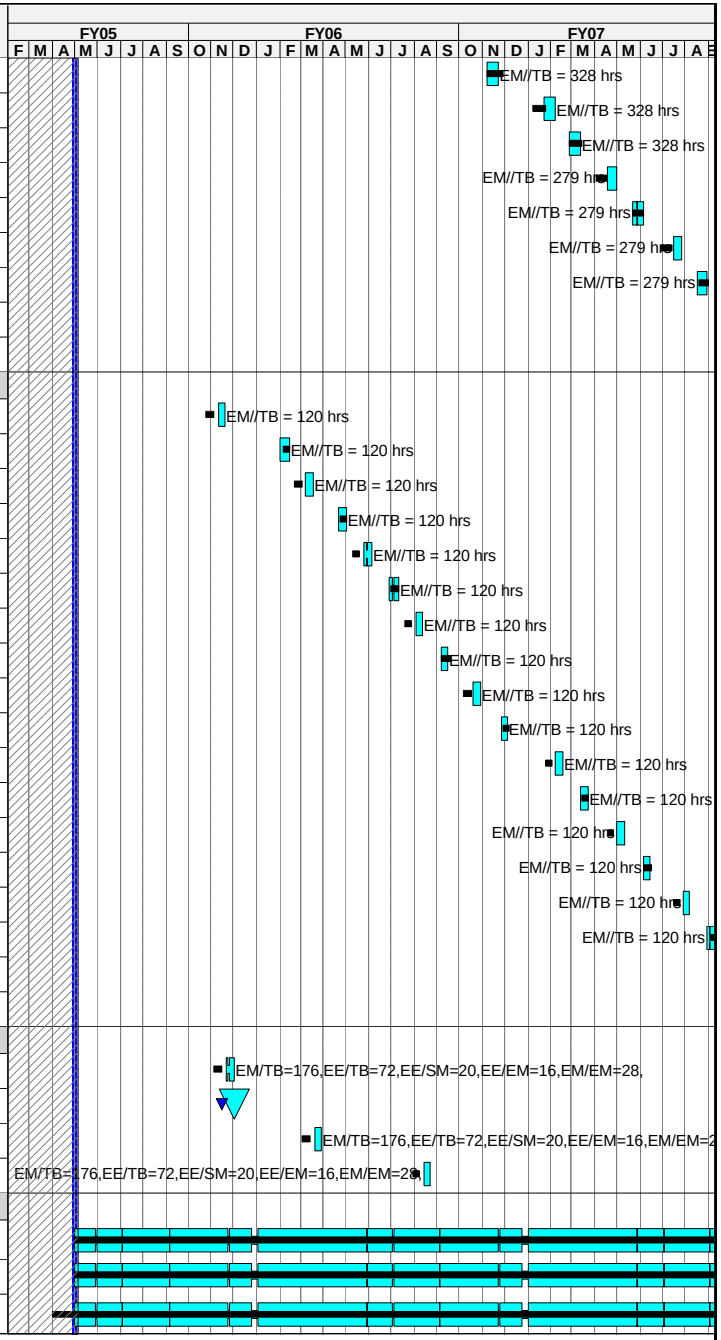
PMB Schedule
xECP-30 Baseline
Progress Bar
Critical Activity

0504

NCSX
STATUS THROUGH APRIL 30 AGAINST ECP-30

Actual Completions Suppressed

Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	ECP-30 Budget	ETC
P2-141V	VPI (Station 5) B2	07NOV06	12	22NOV06	202		0.00	28,034.16	
P3-051V	VPI (Station 5) A3	23JAN07	12	07FEB07	201		0.00	28,034.16	
P3-141V	VPI (Station 5) A4	26FEB07	12	13MAR07	189		0.00	28,034.16	
P1-081V	VPI (Station 5) A5 @15% learning curve	18APR07	10	01MAY07	164		0.00	23,846.13	
P1-171V	VPI (Station 5) A6 @15% learning curve	22MAY07	10	05JUN07	150		0.00	23,846.13	
P2-081V	VPI (Station 5) B3 @15% learning curve	16JUL07	10	27JUL07	123		0.00	23,846.13	
P3-081V	VPI (Station 5) B4 @15% learning curve	17AUG07	10	30AUG07	109		0.00	23,846.13	
P2-171V	VPI (Station 5) B5 @15% learning curve	10OCT07	10	23OCT07	140		0.00	24,705.45	
P3-171V	VPI (Station 5) B6 @15% learning curve	13NOV07	10	26NOV07	126		0.00	24,705.45	
Station 1B Final Clamp Installation									
P1-021C	Final Clamps & Warm Test (Station1) C1	10NOV05	7	18NOV05	386		0.00	10,024.80	
P1-111C	Final Clamps & Warm Test (Station1) C2	03FEB06	7	13FEB06	340		0.00	10,024.80	
P2-021C	Final Clamps & Warm Test (Station1) A1	09MAR06	7	17MAR06	323		0.00	10,024.80	
P2-111C	Final Clamps & Warm Test (Station1) C3	21APR06	7	01MAY06	299		0.00	10,024.80	
P3-021C	Final Clamps & Warm Test (Station1) A2	25MAY06	7	05JUN06	282		0.00	10,024.80	
P3-111C	Final Clamps & Warm Test (Station1) C4	29JUN06	7	10JUL06	265		0.00	10,024.80	
P1-051C	Final Clamps & Warm Test (Station1) B1	03AUG06	7	11AUG06	248		0.00	10,024.80	
P1-141C	Final Clamps & Warm Test (Station1) C5	07SEP06	7	15SEP06	243		0.00	10,024.80	
P2-051C	Final Clamps & Warm Test (Station1) C6	20OCT06	7	30OCT06	219		0.00	10,256.40	
P2-141C	Final Clamps & Warm Test (Station1) B2	27NOV06	7	05DEC06	202		0.00	10,256.40	
P3-051C	Final Clamps & Warm Test (Station1) A3	08FEB07	7	16FEB07	218		0.00	10,256.40	
P3-141C	Final Clamps & Warm Test (Station1) A4	14MAR07	7	22MAR07	201		0.00	10,256.40	
P1-081C	Final Clamps & Warm Test (Station1) A5	02MAY07	7	10MAY07	173		0.00	10,256.40	
P1-171C	Final Clamps & Warm Test (Station1) A6	06JUN07	7	14JUN07	156		0.00	10,256.40	
P2-081C	Final Clamps & Warm Test (Station1) B3	30JUL07	7	07AUG07	126		0.00	10,256.40	
P3-081C	Final Clamps & Warm Test (Station1) B4	31AUG07	7	11SEP07	109		0.00	10,256.40	
P3-171C	Final Clamps & Warm Test (Station1) B5	24OCT07	7	01NOV07	143		0.00	10,626.00	
P2-171C	Final Clamps & Warm Test (Station1) B6	27NOV07	7	07DEC07	126		0.00	10,626.00	
Station 6- Coil Test Facility									
P1-021	Test Coil (Coil Test Stand) C1	21NOV05	7	01DEC05	428		0.00	31,012.48	
P1-021.1	Complete First Mod Coil Fabrication C1		0	01DEC05	428		0.00	0.00	
P2-021	Test Coil (Coil Test Stand) A1	20MAR06	7	28MAR06	351		0.00	31,012.48	
P1-051	Test Coil (Coil Test Stand) B1	14AUG06	7	22AUG06	248		0.00	31,012.48	
LOE Oversight & Supervision									
171-040	Winding Oversight (LOE)	02MAY05*	663*	21DEC07	454		0.00	931,799.53	
171-041	Tech Supervision	02MAY05*	707	29FEB08	410		0.00	343,901.41	
TITLE3W	Titel III Design-CASTING FAB & WINDING	02MAY05*	751	01MAY08	366		0.00	197,483.78	



Run Date 31MAY05 15:44

PMB Schedule
xECP-30 Baseline
Progress Bar
Critical Activity

0504

NCSX

STATUS THROUGH APRIL 30
AGAINST ECP-30

Actual Completions Suppressed

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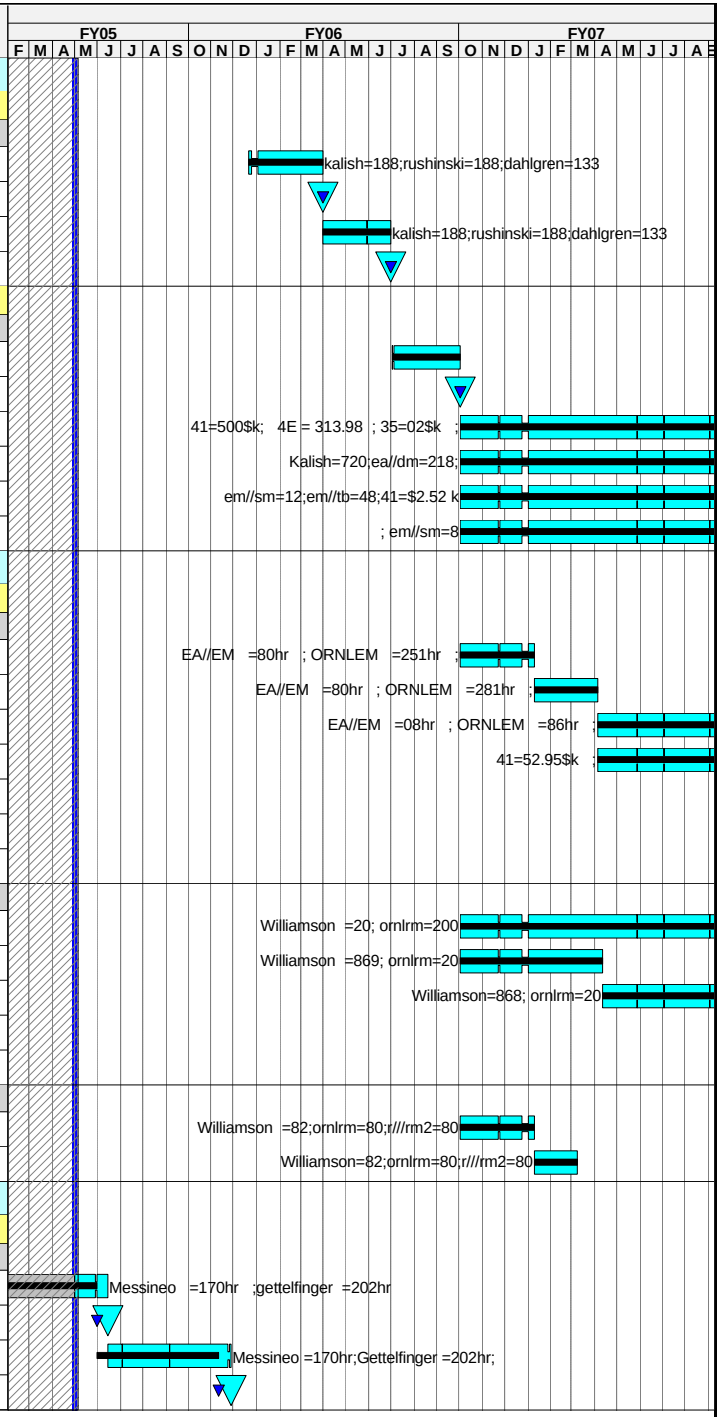
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	ECP-30 Budget	ETC
15 - Structures									
Job: 1501 - Structures Design- Kalish									
1501-FY05	Prelim Design Structures	22DEC05	65	30MAR06	177		0.00	93,437.13	
1501-PDR	Structures PDR		0	30MAR06	177		0.00	0.00	
1501-FD	Final Design Structures	31MAR06	65	30JUN06	177		0.00	93,437.13	
1501-FDR	Structures FDR		0	30JUN06	177		0.00	0.00	
Job:1550 - Structures Procurement -KALISH									
1501-245	Prep Spec,Solicit Bids, and Evaluate Bids	03JUL06	65	02OCT06	177		0.00	0.00	
162-036.9	Award Coil Support Assy		0	02OCT06*	177		0.00	0.00	
162-037	WBS 151Coil Support Assy Procurement [A/1]	03OCT06	249	01OCT07	177		0.00	1,020,858.45	
162-031	Title III engr WBS 151	03OCT06	249	01OCT07	511		0.00	160,613.56	
153.037	WBS 153 Support Structure I&C Procurement/Fab	03OCT06*	249	01OCT07	511		0.00	9,039.07	
153.015	Title III design WBS 153 localI&C	03OCT06*	249	01OCT07	511		0.00	963.66	
16 - Coil Services									
161 - LN2 Distribution									
191-001	Title I design WBS 161 LN2 manifolds&piping	02OCT06*	65	10JAN07	306		0.00	58,172.50	
191-011	Title II design WBS 161 LN2 manifolds&piping	11JAN07	60	04APR07	306		0.00	116,516.90	
191-031	Title III engr WBS 161	05APR07	280	15MAY08	356		0.00	16,656.28	
191-037	Procurement WBS 161	05APR07	130	08OCT07	306		0.00	73,391.96	
191-038	PDR#17	09OCT07*	86	15FEB08	420		0.00	62,458.88	
191-041	LN2 Manifolds & ppg Fab/assy/instl WBS 161	09OCT07*	62	14JAN08	306		0.00	34,007.58	
191-042	PDR #17,25,3	09OCT07*	65	17JAN08	441		0.00	10,839.44	
162 - Electrical Leads									
132-000	PDR #17 & 25	02OCT06	325	24JAN08	436		0.00	41,396.19	
132-001	Title I design WBS 162 Coil leads	02OCT06*	130	11APR07	303		0.00	153,159.10	
132-011	Title II design WBS 162 Coil leads	12APR07	130	15OCT07	303		0.00	153,686.42	
132-015	Title III design WBS 162 Coil leads	16OCT07*	60	17JAN08	441		0.00	18,540.24	
132-037	Coil Leads Procurement WBS 162	16OCT07*	60	17JAN08	303		0.00	314,856.96	
163 - Coil Protection System									
163.001	Title I design WBS 163 Coil protection	02OCT06*	65	10JAN07	656		0.00	43,149.40	
163.011	Title II design WBS 163 Coil protection	11JAN07	40	07MAR07	656		0.00	43,149.40	
17 - Cryostat and Base Support Structure									
Job:1701-Cryost&Base Sprt Strct Dsn-GETTLEFINGER									
161-001	Title I design WBS 172 base support struct	01APR04A	302*	15JUN05	385	90	44,762.31	49,735.89	
151-003	Base Support Struct PDR		0	15JUN05	385		0.00	0.00	
161-011	Final Design Base Support Structure WBS 172	16JUN05	114	28NOV05	385		0.00	62,903.43	
172-199	Base Support Structure FDR		0	28NOV05	385		0.00	0.00	



Run Date 31MAY05 15:44

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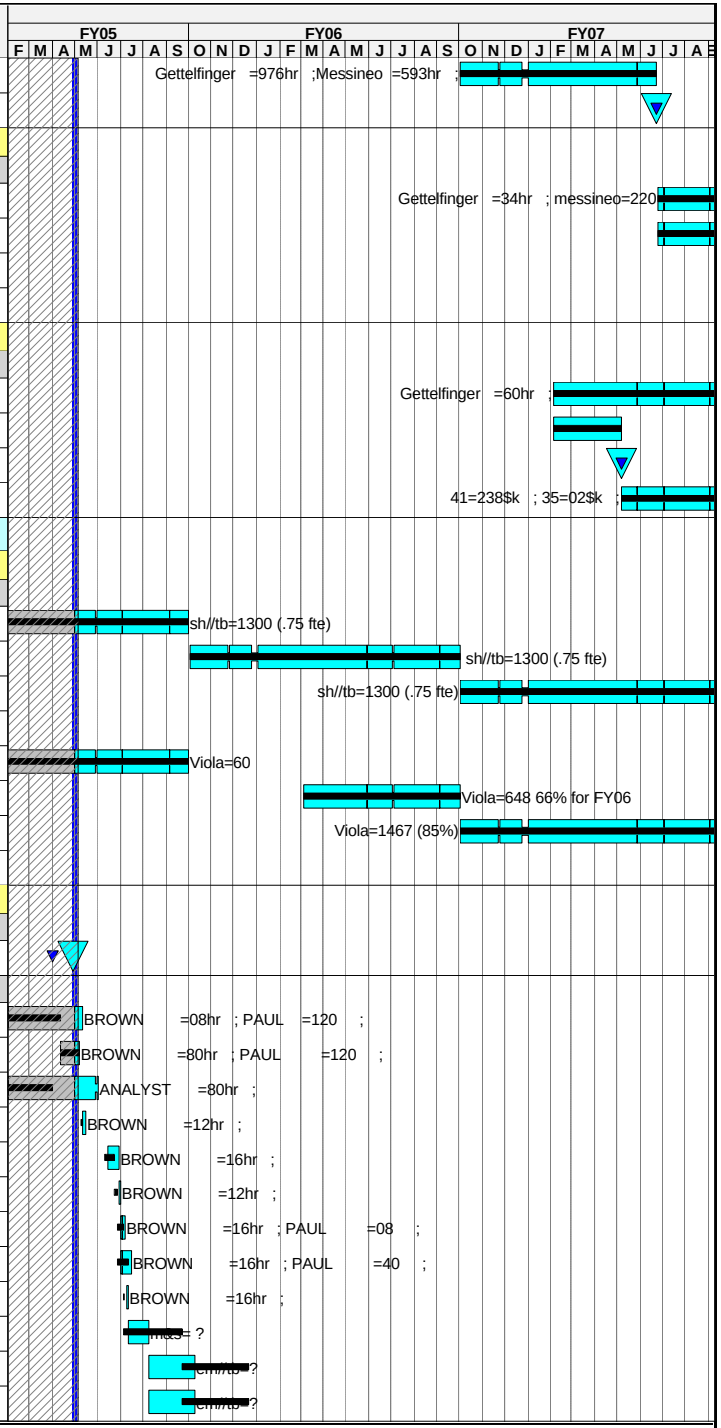
PMB Schedule
xECP-30 Baseline
Progress Bar
Critical Activity

0504

NCSX
STATUS THROUGH APRIL 30
AGAINST ECP-30

Actual Completions Suppressed

Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	ECP-30 Budget	ETC
151-011	Final Design Cryostat WBS 171	02OCT06*	181	22JUN07	175		0.00	248,548.17	
171-199	Cryostat FDR		0	22JUN07	175		0.00	0.00	
Job: 1751 - Cryostat Procurement									
171 - Cryostat									
151-031	Title III engr	25JUN07	405	28JAN09	175		0.00	33,054.33	
151-036.8	Prep Spec, Solicit bids, and Select Vendor	25JUN07	65	25SEP07	175		0.00	0.00	
151-036.9	Award Cryostat Procurement		0	01OCT07*	242		0.00	0.00	
151-037	Cryostat Procurement [A/1]	02OCT07	141	25APR08	242		0.00	508,421.76	
Job: 1752 - Base Support Structure Procurement									
172 - Base Support Structure									
161-031	Title III engr WBS 172	06FEB07	240	22JAN08	438		0.00	11,161.46	
161-036.8	Prep Spec, Solicit bids, and Select Vendor	06FEB07*	65	07MAY07	241		0.00	0.00	
161-036.9	Award Machine Base&supports Procurement		0	07MAY07	241		0.00	0.00	
161-037	Machine Base&supports Procurement [A/1]	08MAY07	90	13SEP07	241		0.00	303,805.05	
18 - Field Period Assembly									
Job: 1802 - FP Assy Oversight&Support-VIOLA									
Oversight and Supervision									
181.210	HP Coverage in the TFTR TC LOE FY05	01OCT04A	249*	30SEP05	1,010	LOE	77,827.23	136,539.00	
181.222	HP Coverage in the TFTR TC LOE FY06	03OCT05*	250*	02OCT06	760		0.00	151,697.99	
181.220	HP Coverage in the TFTR TC LOE FY07	02OCT06*	250*	01OCT07	511		0.00	155,203.36	
181.221	HP Coverage in the TFTR TC LOE FY08	01OCT07*	251*	30SEP08	261		0.00	160,771.00	
181.110	PPPL EM LOE FY05	01OCT04A	249*	30SEP05	1,010	LOE	5,486.36	9,625.20	
181.120	PPPL EM LOE FY06	06MAR06*	148*	02OCT06	760		0.00	116,541.57	
181.121	PPPL EM LOE FY07	02OCT06*	249*	28SEP07	512		0.00	269,898.66	
181.122	PPPL EM LOE FY08	01OCT07*	251*	30SEP08	261		0.00	279,624.87	
Job: 1803- FP Assy Toolg/Constructability-BROWN									
0									
1803-0	Constructability Review **TBD***		0	29APR05	1,123	100	0.00	0.00	
1.00-VV Prep Station									
1803-1.02	VV Support Fixture - model design& drawing detai	01FEB05A	73*	12MAY05	418	90	12,243.60	13,604.00	
1803-1.04	Metrology -sightline layout metrology support	13APR05A	18*	06MAY05	454	50	12,751.00	25,502.00	
1803-1.05	Structural / Seismic Analysis check	01FEB05A	86*	01JUN05	437	20	2,644.00	13,220.00	
1803-1.06	Design review PDR VV Prep Station	13MAY05*	2	16MAY05	418		0.00	1,983.00	
1803-1.09	Safety Review documentation / presentation	15JUN05	10	28JUN05	418		0.00	2,644.00	
1803-1.061	Design review FDR VV Prep Station	29JUN05*	2	30JUN05	418		0.00	1,983.00	
1803-1.07	Design check and sign-off	01JUL05*	5	08JUL05	418		0.00	3,462.80	
1803-1.10	Fab / Design Review - follow-up activities	01JUL05*	10	15JUL05	434		0.00	6,738.00	
1803-1.08	Prep & Issue Spec,dwgs,and requisition	11JUL05*	1	11JUL05	418		0.00	2,644.00	
1803-1.081	Procure Materials	12JUL05	20	08AUG05	418		0.00	12,810.00	
1803-1.12	PPPL FAB - VV support Fixture	09AUG05	45	10OCT05	435		0.00	4,997.70	
1803-1.13	PPPL FAB VV Prep Station Platform	09AUG05	45	10OCT05	435		0.00	4,997.70	



Run Date 31MAY05 15:44

PMB Schedule
xECP-30 Baseline
Progress Bar
Critical Activity

0504

NCSX
STATUS THROUGH APRIL 30
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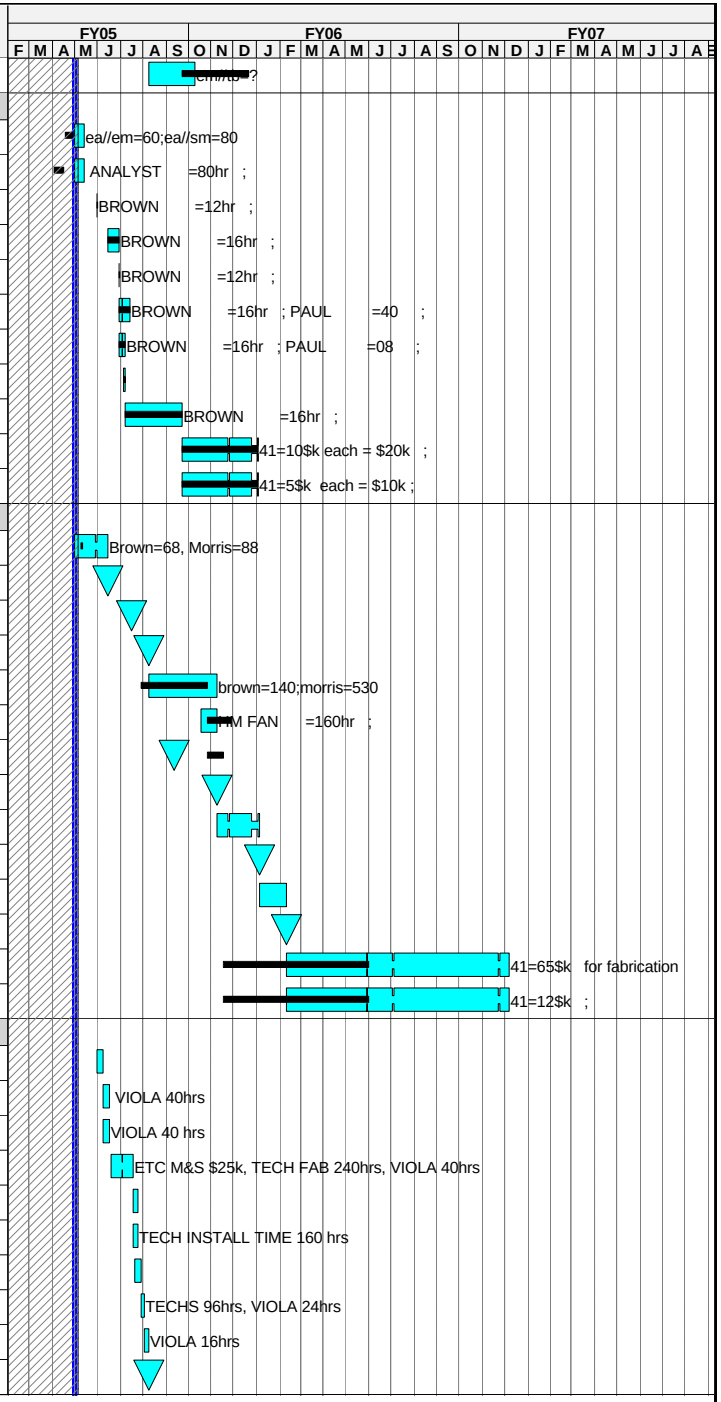
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	ECP-30 Budget	ETC
1803-1.14	PPPL FAB VV Prep Station metrology stands	09AUG05	45	10OCT05	435		0.00	4,997.70	
2.00-Half Period Assembly									
1803-2.04	Metrology - sightline layout design details metr	02MAY05*	10	13MAY05	1,113		0.00	21,728.00	
1803-2.05	Structural / Seismic Analysis check	02MAY05*	10	13MAY05	424		0.00	13,220.00	
1803-2.06	PDR Half Period Assy	31MAY05*	1	31MAY05	414		0.00	1,983.00	
1803-2.09	Safety Review documentation / presentation	15JUN05	10	28JUN05	413		0.00	2,644.00	
1803-2.061	FDR Half Period Assy	29JUN05*	1	29JUN05	413		0.00	1,983.00	
1803-2.10	Fab / Design Review - follow-up activities	30JUN05	10	14JUL05	1,071		0.00	6,738.00	
1803-2.07	Design check and sign-off	30JUN05	5	07JUL05	413		0.00	3,462.80	
1803-2.08A	Prep & Issue Spec,dwgs,and requisition	07JUL05	1	07JUL05	413		0.00	0.00	
1803-2.08	Procurement Lead Time and Award	08JUL05	55	22SEP05	413		0.00	2,644.00	
1803-2.11	Fab MC HP Assy Fixtures (2)	23SEP05	65	03JAN06	413		0.00	29,214.46	
1803-2.12	Fab MC MC HP Assy Metrology support stands (2)	23SEP05	65	03JAN06	413		0.00	14,607.23	
3.10 MC Turning Fixture-Industry Option									
1803-3.10A	Issue specs & dwgs	02MAY05	30	13JUN05	1,093		0.00	20,243.80	
180303.10A	Issue RFP		0	15JUN05*	1,091		0.00	0.00	
1803-3.10C	Proposals Due		0	15JUL05*	1,070		0.00	0.00	
1803-3.14	DECISION ON APPROACH		0	08AUG05	221		0.00	0.00	
1803-3.15	PPPL Dsn Turning fixt &Base	09AUG05	65	07NOV05	221		0.00	80,812.62	
1803-3.07	Seismic Analysis check	18OCT05*	15	07NOV05	989		0.00	29,371.20	
1803-3.15B	PDR Turning fixture & Base		0	12SEP05	261		0.00	0.00	
1803-3.15E	FDR Turning fixture & Base		0	07NOV05	221		0.00	0.00	
1803-3.07A	Prep Procurement Pkg	08NOV05*	35	05JAN06	221		0.00	0.00	
1803-3.08A	Issue RFP		0	05JAN06	221		0.00	0.00	
1803-3.08B	Recieve & Evaluate Bids	06JAN06	25	09FEB06	221		0.00	0.00	
1803-3.15D	Award Fabrication Contract		0	09FEB06	221		0.00	0.00	
1803-3.15C	Fabricate - MC Turning fixture & Base	10FEB06*	210	06DEC06	221		0.00	94,796.62	
1803-3.15A	Fabricate - MC Gantry Crane	10FEB06*	210	06DEC06	221		0.00	17,500.91	
3.20 MC Turning Fixture-Crane Option									
1803-3.30	Develop Crane Design Option	01JUN05*	6*	08JUN05	221		0.00	0.00	
1803-3.33	Design Equivalent Test Simulation Model	09JUN05	7	17JUN05	221		0.00	0.00	$6,400
1803-3.36	Design Test Track	09JUN05	7	17JUN05	221		0.00	0.00	$6,400
1803-3.39	Fab Test Track	20JUN05	20	18JUL05	221		0.00	0.00	$56,300
1803-3.40	Site Prep	19JUL05	5	25JUL05	221		0.00	0.00	
1803-3.43	Assembly of Test Article	19JUL05	5	25JUL05	221		0.00	0.00	$12,000
1803-3.46	Metrology set-up	22JUL05	5	28JUL05	221		0.00	0.00	
1803-3.49	Run Test	29JUL05	3	02AUG05	221		0.00	0.00	$11,000
1803-3.50	Test Evaluation and Write up	03AUG05	4	08AUG05	221		0.00	0.00	$2,600
1803-3.52	DECISION ON APPROACH		0	08AUG05	221		0.00	0.00	



Run Date 31MAY05 15:44

PMB Schedule
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Progress Bar
Critical Activity

0504

NCSX
STATUS THROUGH APRIL 30
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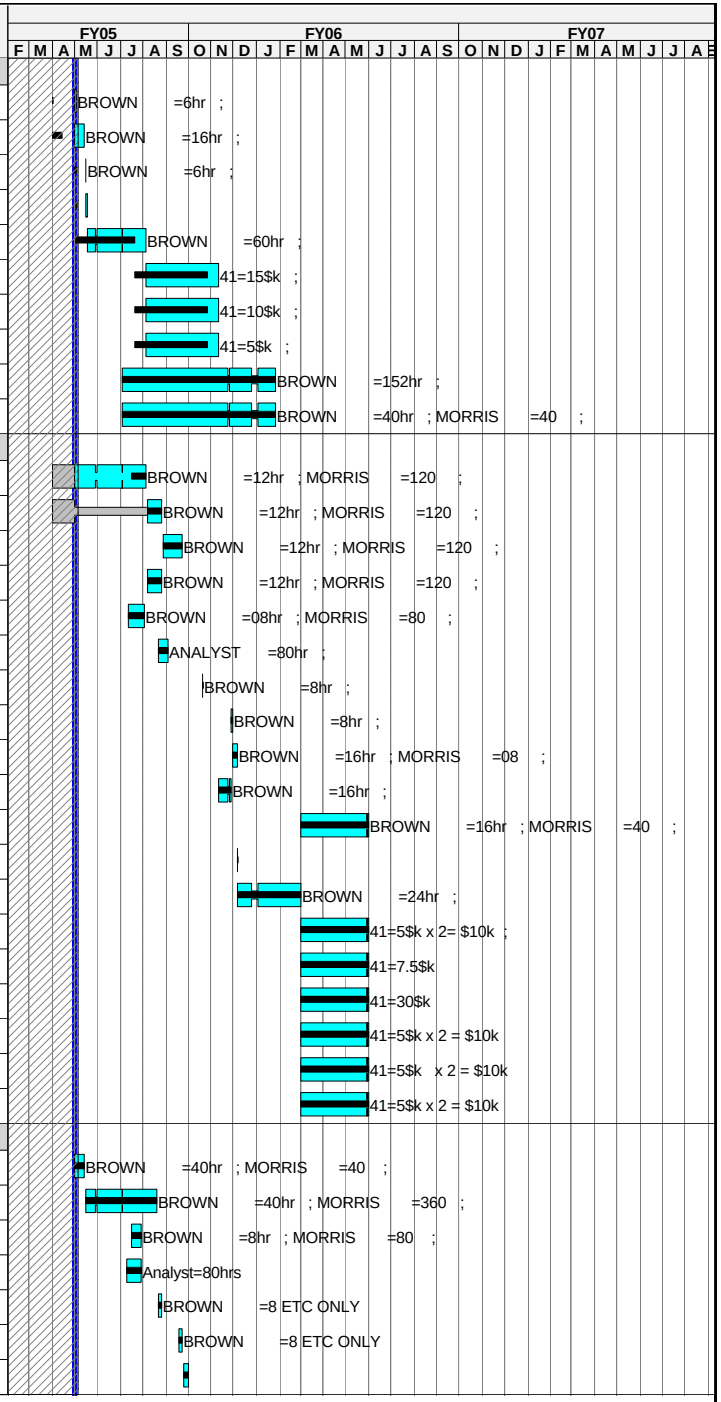
3.30 MC Assy -Platforms,Suprt Stands,&other									
1803-3.08	** PDR ** Platform & Support Stands	02MAY05*	1	02MAY05	488		0.00	991.50	
1803-3.12	Safety Review documentation / presentation	02MAY05*	10	13MAY05	488		0.00	2,644.00	
1803-3.081	** FDR ** Platform & Support Stands	16MAY05*	1	16MAY05	488		0.00	991.50	
1803-3.110	Prep & Issue Spec,dwgs,and req-pltfrm&sprts	17MAY05	1	17MAY05	488		0.00	0.00	
1803-3.101	Procurement lead time platforms & supports	18MAY05	55	04AUG05	488		0.00	9,915.00	
1803-3.16	FAB - VV suprt stand & misc crane fixtures	05AUG05	70	10NOV05	488		0.00	20,445.43	
1803-3.16A	FAB -Platform	05AUG05	70	10NOV05	488		0.00	13,630.29	
1803-3.16B	FAB -MC Installation Metrology sprt stands	05AUG05	70	10NOV05	488		0.00	6,815.14	
1803-3.11	Procurement Technical Rep	05JUL05*	140	26JAN06	939		0.00	26,629.66	
1803-3.13	Fabrication - follow-up activities	05JUL05*	140	26JAN06	939		0.00	11,348.27	
4.00-Final FP Assembly									
1803-4.02	MC Support Stand - model design and drawing deta	01APR05A	89*	05AUG05	446	50	7,132.50	14,265.00	
1803-4.03	TF HP support turning fixture - model design d	01APR05A	15	26AUG05	1,020	50	7,132.50	14,265.00	
1803-4.04	FP Assembly platform - model design drawing det	29AUG05	20	23SEP05	1,020		0.00	14,265.00	
1803-4.05	VV Port Alignment/Weldment Fixture - design and	08AUG05	15	26AUG05	446		0.00	14,265.00	
1803-4.06	Metrology - sightline layout design details metr	13JUL05*	16*	03AUG05	463		0.00	9,510.00	
1803-4.07	Structural / Seismic Analysis check	22AUG05*	10*	02SEP05	440		0.00	13,220.00	
1803-4.08	PDR Final FP Assy	20OCT05*	1	20OCT05	407		0.00	1,468.56	
1803-4.081	FDR Final FP Assy	29NOV05*	1	29NOV05	382		0.00	1,468.56	
1803-4.09	Design check and sign-off	30NOV05	5	06DEC05	382		0.00	3,846.72	
1803-4.11	Safety Review documentation / presentation	11NOV05	10	28NOV05	382		0.00	2,937.12	
1803-4.12	Fabrication - follow-up activities	02MAR06	65	01JUN06	382		0.00	7,485.12	
1803-4.10A	Prep & Issue Spec,dwgs,and req-pltfrm&sprts	06DEC05	1	06DEC05	382		0.00	0.00	
1803-4.10	Procurement lead time	07DEC05	55	01MAR06	382		0.00	4,405.68	
1803-4.13	FAB-MC Support Stands (2)	02MAR06*	65	01JUN06	382		0.00	14,790.00	
1803-4.14	Fab -TF HP support and turning fixture (2)	02MAR06*	65	01JUN06	409		0.00	11,092.50	
1803-4.15	FAB-FP Assy platforms (2)	02MAR06*	65	01JUN06	382		0.00	44,370.00	
1803-4.16	FAB-MC Temporary End Supports (2)	02MAR06*	65	01JUN06	382		0.00	14,790.00	
1803-4.17	FAB-Final FP Assy Metrology suprt stands (2)	02MAR06*	65	01JUN06	382		0.00	14,790.00	
1803-4.18	FAB-VV Port alignment/weldment fixtures (2)	02MAR06*	65	01JUN06	382		0.00	14,790.00	
5.00-TF HP Assembly									
1803-5.001	Concept definition and requirements	02MAY05*	10*	13MAY05	454		0.00	10,704.00	
1803-5.002	TF Rotation Fixture plus dwgs	16MAY05	68*	19AUG05	454		0.00	43,456.00	
1803-5.003	Metrology layout/support stand dwgs	18JUL05*	10*	29JUL05	469		0.00	9,510.00	
1803-5.004	Structural Analysis	11JUL05*	15*	29JUL05	469		0.00	13,220.00	
1803-5.005	PDR	22AUG05*	5	26AUG05	454		0.00	0.00	
1803-5.006	FDR	19SEP05*	5	23SEP05	439		0.00	0.00	
1803-5.007	Pre & Issue Specs and Dwgs	26SEP05	5	30SEP05	439		0.00	0.00	



Run Date **31MAY05 15:44**

PMB Schedule
xECP-30 Baseline
Progress Bar
Critical Activity

0504

NCSX
STATUS THROUGH APRIL 30
AGAINST ECP-30

Actual Completions Suppressed

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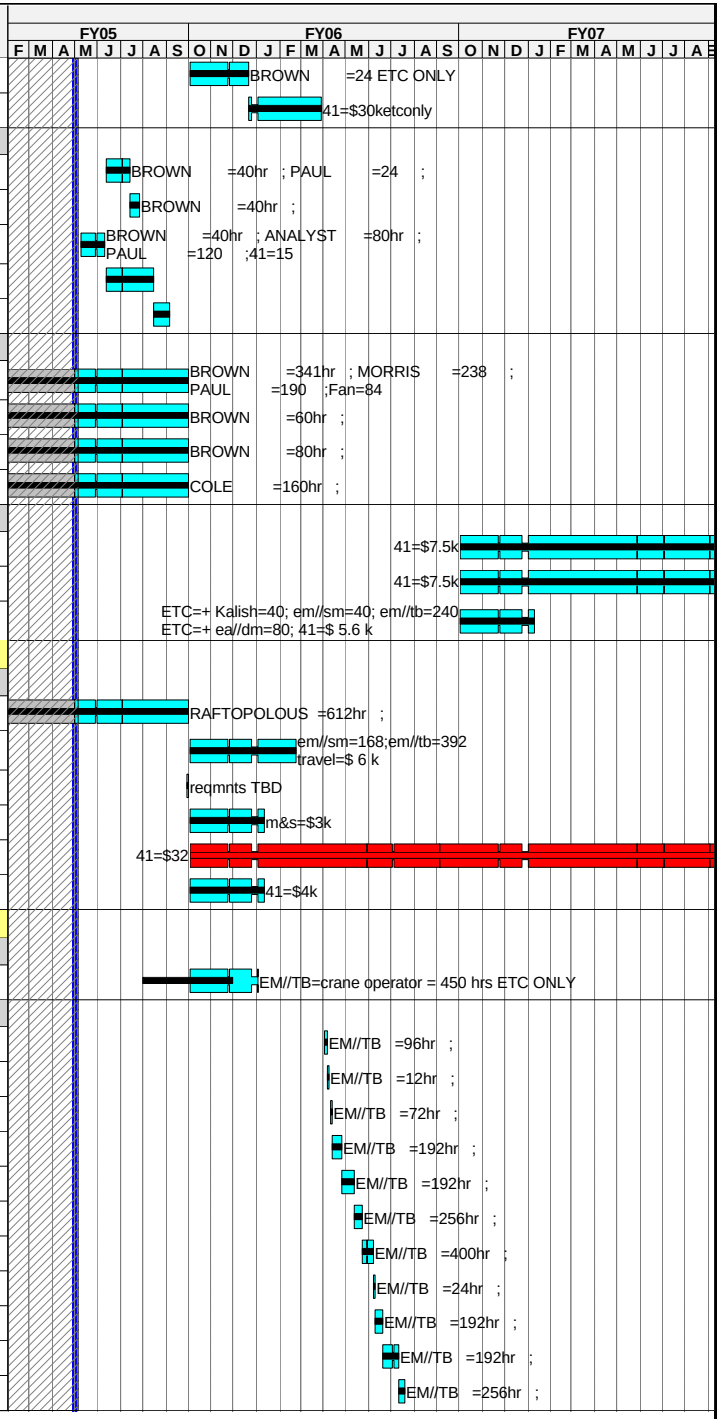
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	ECP-30 Budget	ETC
1803-5.008	Procurement Lead Time	03OCT05	55	20DEC05	439		0.00	0.00	
1803-5.009	Fabricate TF HP Assembly (1)	21DEC05	65	29MAR06	439		0.00	0.00	
6.00-Interface/Test Activities									
1803-5.01	Finalize TFTR test cell FPA assembly layout draw	13JUN05*	22*	13JUL05	1,062		0.00	9,066.40	
1803-5.02	Establish an assembly interface requirements doc	14JUL05*	10	27JUL05	1,062		0.00	6,610.00	
1803-5.03	Design test components as needed to qualify ass	09MAY05*	24*	10JUN05	1,034		0.00	51,327.00	
1803-5.04	Fab - Test Articles	13JUN05*	45	15AUG05	1,034		0.00	0.00	
1803-5.05	Metrology Validation	16AUG05	15	05SEP05	1,034		0.00	0.00	
7.00-Oversight									
1803-7.01	Meetings Prep and Reporting	01NOV04A	230*	30SEP05	1,015	LOE	60,439.64	114,037.05	
1803-7.02	Develop and maintain concept definition document	01NOV04A	230*	30SEP05	1,015	LOE	5,254.95	9,915.00	
1803-7.03	Develop and maintain assembly plan document	01NOV04A	230*	30SEP05	1,015	LOE	7,006.60	13,220.00	
1803-7.04	Mike Cole's FY05 on-site involvement in assembly	01NOV04A	230*	30SEP05	1,015	LOE	13,144.00	24,800.00	
Tooling Design & Fabrication									
713A.040	General procurements	02OCT06*	498	26SEP08	263		0.00	10,473.75	
713A.050	Welding tools, materials & equipt	02OCT06*	498	26SEP08	263		0.00	10,473.75	
713A.060	Instl He gas piping from NSTX to D-site tc	02OCT06*	65	10JAN07	290		0.00	44,271.00	
Job: 1804-FP Assy Measurement Sys-RAFTOPOULOS									
Metrology									
1803-8	Metrology Support (moved from 1803)	01NOV04A	230*	30SEP05	1,015	LOE	53,600.49	101,133.00	
740.020	Facility Prep	03OCT05*	95	22FEB06	915		0.00	63,396.64	
740.035	Deliver Metrology Software	30SEP05*	1	30SEP05	1,010		0.00	0.00	
740.100	Romer CMM- spare probes	03OCT05*	65	11JAN06	945		0.00	4,437.00	
740.105	Romer CMM-Software support & warranty renewal	03OCT05*	1,010*	30SEP09	0		0.00	45,633.14	
740.110	Romer CMM-Laptop for 2nd arm	03OCT05*	65	11JAN06	945		0.00	5,916.00	
Job:1810 - Field Period Assembly-VIOLA									
Prep TFTR TC for Assembly operations									
S0P0-100	Clearout realestate & setup fixturing	03OCT05*	59*	03JAN06	956		0.00	0.00	
Stage 1 VV Prep (instl diag & insul)FP#1									
S1P1-101	Receive VV and inspect	03APR06*	4	06APR06	302		0.00	8,019.84	
S1P1-102	Mount VV on VV Prep fixture (top side up)	07APR06	1	07APR06	302		0.00	1,002.48	
S1P1-103	Establish metrology setting; align VV base	10APR06	3	12APR06	302		0.00	6,014.88	
S1P1-106	Attach studs for coolant lines,insulation on top	13APR06	8	24APR06	302		0.00	16,039.68	
S1P1-107	Wind magnetic diagnostic sensors to top surface	25APR06	13	11MAY06	302		0.00	16,039.68	
S1P1-108	Install cooling/htg lines to vac vsl top surface	12MAY06	8	23MAY06	302		0.00	21,386.24	
S1P1-109	Install insulation to vac vsl to top surface	24MAY06	10	07JUN06	302		0.00	33,416.00	
S1P1-110	Flip VV to expose lower surface	08JUN06	1	08JUN06	302		0.00	2,004.96	
S1P1-112	Attach studs for coolant lines, insulation bott	09JUN06	8	20JUN06	302		0.00	16,039.68	
S1P1-113	Wind magnetic diagnostic sensors to bot surface	21JUN06	13	10JUL06	302		0.00	16,039.68	
S1P1-114	Install cooling/htg lines to vac vsl bot surface	11JUL06	8	20JUL06	302		0.00	21,386.24	



Run Date 31MAY05 15:44

PMB Schedule
xECP-30 Baseline
Progress Bar
Critical Activity

0504

NCSX
STATUS THROUGH APRIL 30
AGAINST ECP-30

Actual Completions Suppressed

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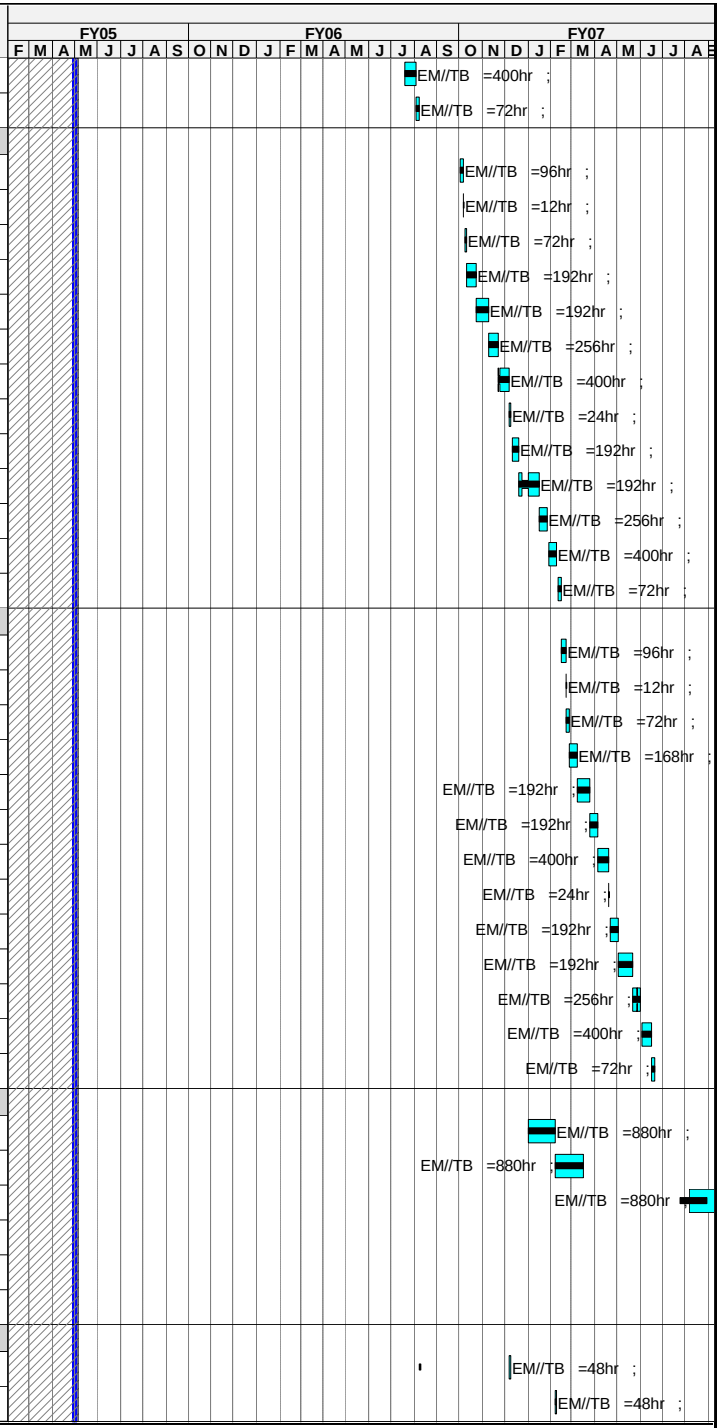
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	ECP-30 Budget	ETC
S1P1-115	Install insulation to vac vsl to bot surface	21JUL06	10	03AUG06	302		0.00	33,416.00	
S1P1-116	Prepare and transfer completed VV to holding are	04AUG06	3	08AUG06	302		0.00	6,014.88	
Stage 1 VV Prep (instl diag & insul)FP#2									
S1P2-101	Receive VV and inspect	02OCT06*	4	05OCT06	264		0.00	8,205.12	
S1P2-102	Mount VV on VV Prep fixture (top side up)	06OCT06	1	06OCT06	264		0.00	1,025.64	
S1P2-103	Establish metrology setting; align VV base	09OCT06	3	11OCT06	264		0.00	6,153.84	
S1P2-106	Attach studs forcoolant lines,insulation on top	12OCT06	8	23OCT06	264		0.00	16,410.24	
S1P2-107	Wind magnetic diagnostic sensors to top surface	24OCT06	13	09NOV06	264		0.00	16,410.24	
S1P2-108	Install cooling/htg lines to vac vsl top surface	10NOV06	8	21NOV06	264		0.00	21,880.32	
S1P2-109	Install insulation to vac vsl to top surface	22NOV06	10	07DEC06	264		0.00	34,188.00	
S1P2-110	Flip VV to expose lower surface	08DEC06	1	08DEC06	264		0.00	2,051.28	
S1P2-112	Attach studs for coolant lines, insulation bott	11DEC06	8	20DEC06	264		0.00	16,410.24	
S1P2-113	Wind magnetic diagnostic sensors to bot surface	21DEC06	13	16JAN07	264		0.00	16,410.24	
S1P2-114	Install cooling/htg lines to vac vsl bot surface	17JAN07	8	26JAN07	264		0.00	21,880.32	
S1P2-115	Install insulation to vac vsl to bot surface	29JAN07	10	09FEB07	264		0.00	34,188.00	
S1P2-116	Prepare and transfer completed VV to holding are	12FEB07	3	14FEB07	264		0.00	6,153.84	
Stage 1 VV Prep (instl diag & insul)FP#3									
S1P3-101	Receive VV and inspect	15FEB07	4	20FEB07	264		0.00	8,205.12	
S1P3-102	Mount VV on VV Prep fixture (top side up)	21FEB07	1	21FEB07	264		0.00	1,025.64	
S1P3-103	Establish metrology setting; align VV base	22FEB07	3	26FEB07	264		0.00	6,153.84	
S1P3-106	Attach studs forcoolant lines,insulation on top	27FEB07	7	07MAR07	264		0.00	14,358.96	
S1P3-107	Wind magnetic diagnostic sensors to top surface	08MAR07	13	26MAR07	264		0.00	16,410.24	
S1P3-108	Install cooling/htg lines to vac vsl top surface	27MAR07	8	05APR07	264		0.00	16,410.24	
S1P3-109	Install insulation to vac vsl to top surface	06APR07	10	19APR07	264		0.00	34,188.00	
S1P3-110	Flip VV to expose lower surface	20APR07	1	20APR07	264		0.00	2,051.28	
S1P3-112	Attach studs for coolant lines, insulation bott	23APR07	8	02MAY07	264		0.00	16,410.24	
S1P3-113	Wind magnetic diagnostic sensors to bot surface	03MAY07	13	21MAY07	264		0.00	16,410.24	
S1P3-114	Install cooling/htg lines to vac vsl bot surface	22MAY07	8	01JUN07	264		0.00	21,880.32	
S1P3-115	Install insulation to vac vsl to bot surface	04JUN07	10	15JUN07	264		0.00	34,188.00	
S1P3-116	Prepare and transfer completed VV to holding are	18JUN07	3	20JUN07	264		0.00	6,153.84	
Stage 2 MC HP Sub-assembly (bolt 3 MC together)									
S2P1-100	Assemble Mod-Coils a1.b1,c1 FP 1 left	02JAN07*	27	07FEB07	164		0.00	75,213.60	
S2P1-200	Assemble Mod-Coils a2.b2,c2 FP 1 right	08FEB07	27	16MAR07	164		0.00	75,213.60	
S2P2-100	Assemble Mod-Coils a3.b3,c3 FP 2 left	08AUG07*	27	13SEP07	126		0.00	75,213.60	
S2P2-200	Assemble Mod-Coils a4.b4,c4 FP 2 right	12SEP07	27	18OCT07	108		0.00	76,618.99	
S2P3-100	Assemble Mod-Coils a5.b5,c5 FP 3 left	02NOV07	27	12DEC07	143		0.00	77,924.00	
S2P3-200	Assemble Mod-Coils a6.b6,c6 FP 3 right	10DEC07	27	24JAN08	126		0.00	77,924.00	
Stage 3 MC Instl (rotate MC over Vsl)-FP#1									
S3P1-101	Mount VV to MC turning fixt base; metr check	07DEC06	2	08DEC06	221		0.00	4,102.56	
S3P1-102	Mount MC on turning fixt; perform metr checks	08FEB07	2	09FEB07	184		0.00	4,102.56	



Run Date **31MAY05 15:44**

PMB Schedule
xECP-30 Baseline
Progress Bar
Critical Activity

0504

NCSX
STATUS THROUGH APRIL 30
AGAINST ECP-30

Actual Completions Suppressed

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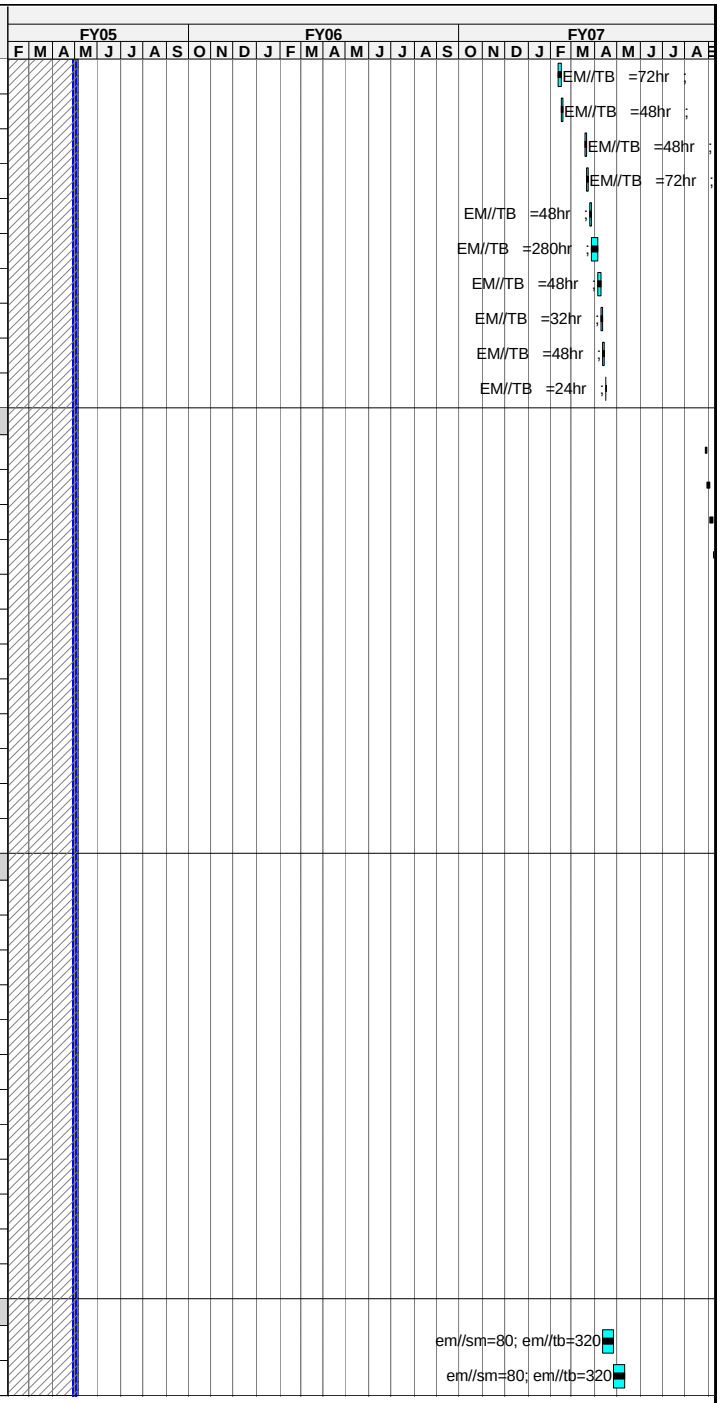
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	ECP-30 Budget	ETC
S3P1-103	Rotate right MC to stand-off position&chk	12FEB07	3	14FEB07	184		0.00	6,153.84	
S3P1-104	Transfer load to crane and recheck position	15FEB07	2	16FEB07	184		0.00	4,102.56	
S3P1-105	Move MC turning fixt; mount MC on turning fixt	19MAR07	2	20MAR07	164		0.00	4,102.56	
S3P1-106	Rotate left MC to stand-off position and check p	21MAR07	3	23MAR07	164		0.00	6,153.84	
S3P1-107	Move left & right MC to final position & measure	26MAR07	2	27MAR07	164		0.00	4,102.56	
S3P1-108	Install shims (as reqd); ream 24 holes	28MAR07	7	05APR07	164		0.00	23,931.60	
S3P1-109	Bolt together at flange interface.	06APR07	2	09APR07	164		0.00	4,102.56	
S3P1-110	Perform final metrology position check	10APR07	2	11APR07	164		0.00	2,735.04	
S3P1-111	Secure VV to MC's using temporary supports.	12APR07	2	13APR07	164		0.00	4,102.56	
S3P1-112	Prep& xfr completed assembly to Stage 4 area	16APR07	1	16APR07	164		0.00	2,051.28	
Stage 3 MC Instl (rotate MC over Vsl)-FP#2									
S3P2-101	Mount VV to MC turning fixt base; metr check	12SEP07	2	13SEP07	126		0.00	4,102.56	
S3P2-102	Mount MC on turning fixt; perform metr checks	14SEP07	2	17SEP07	126		0.00	4,102.56	
S3P2-103	Rotate right MC to stand-off position&chk	18SEP07	3	20SEP07	126		0.00	6,153.84	
S3P2-104	Transfer load to crane and recheck position	21SEP07	2	24SEP07	126		0.00	4,102.56	
S3P2-105	Move MC turning fixt; mount MC on turning fixt	19OCT07	2	22OCT07	108		0.00	4,250.40	
S3P2-106	Rotate left MC to stand-off position and check p	23OCT07	3	25OCT07	108		0.00	6,375.60	
S3P2-107	Move left & right MC to final position & measure	26OCT07	2	29OCT07	108		0.00	4,250.40	
S3P2-108	Install shims (as reqd); ream 24 holes	30OCT07	7	07NOV07	108		0.00	24,794.00	
S3P2-109	Bolt together at flange interface.	08NOV07	2	09NOV07	108		0.00	4,250.40	
S3P2-110	Perform final metrology position check	12NOV07	2	13NOV07	108		0.00	2,833.60	
S3P2-111	Secure VV to MC's using temporary supports.	14NOV07	2	15NOV07	108		0.00	4,250.40	
S3P2-112	Prep& xfr completed assembly to Stage 4 area	16NOV07	1	16NOV07	108		0.00	2,125.20	
Stage 3 MC Instl (rotate MC over Vsl)-FP#3									
S3P3-101	Mount VV to MC turning fixt base; metr check	19NOV07	2	20NOV07	157		0.00	4,250.40	
S3P3-102	Mount MC on turning fixt; perform metr checks	13DEC07	2	14DEC07	143		0.00	4,250.40	
S3P3-103	Rotate right MC to stand-off position&chk	17DEC07	3	19DEC07	143		0.00	6,375.60	
S3P3-104	Transfer load to crane and recheck position	20DEC07	2	21DEC07	143		0.00	4,250.40	
S3P3-105	Move MC turning fixt; mount MC on turning fixt	25JAN08	2	28JAN08	126		0.00	4,250.40	
S3P3-106	Rotate left MC to stand-off position and check p	29JAN08	3	31JAN08	126		0.00	6,375.60	
S3P3-107	Move left & right MC to final position & measure	01FEB08	2	04FEB08	126		0.00	4,250.40	
S3P3-108	Install shims (as reqd); ream 24 holes	05FEB08	7	13FEB08	126		0.00	24,794.00	
S3P3-109	Bolt together at flange interface.	14FEB08	2	15FEB08	126		0.00	4,250.40	
S3P3-110	Perform final metrology position check	18FEB08	2	19FEB08	126		0.00	2,833.60	
S3P3-111	Secure VV to MC's using temporary supports.	20FEB08	2	21FEB08	126		0.00	4,250.40	
S3P3-112	Prep& xfr completed assembly to Stage 4 area	22FEB08	1	22FEB08	126		0.00	2,125.20	
Station 5 - TF HP Pre-Assy (bolt 3 TF together)									
184-100	Assemble 3 TF coils&structure -Left-Period #1	13APR07	10	26APR07	177		0.00	36,985.60	
184-105	Assemble 3 TF coils&structure -Right -Period #1	27APR07	10	10MAY07	177		0.00	36,985.60	



Run Date 31MAY05 15:44

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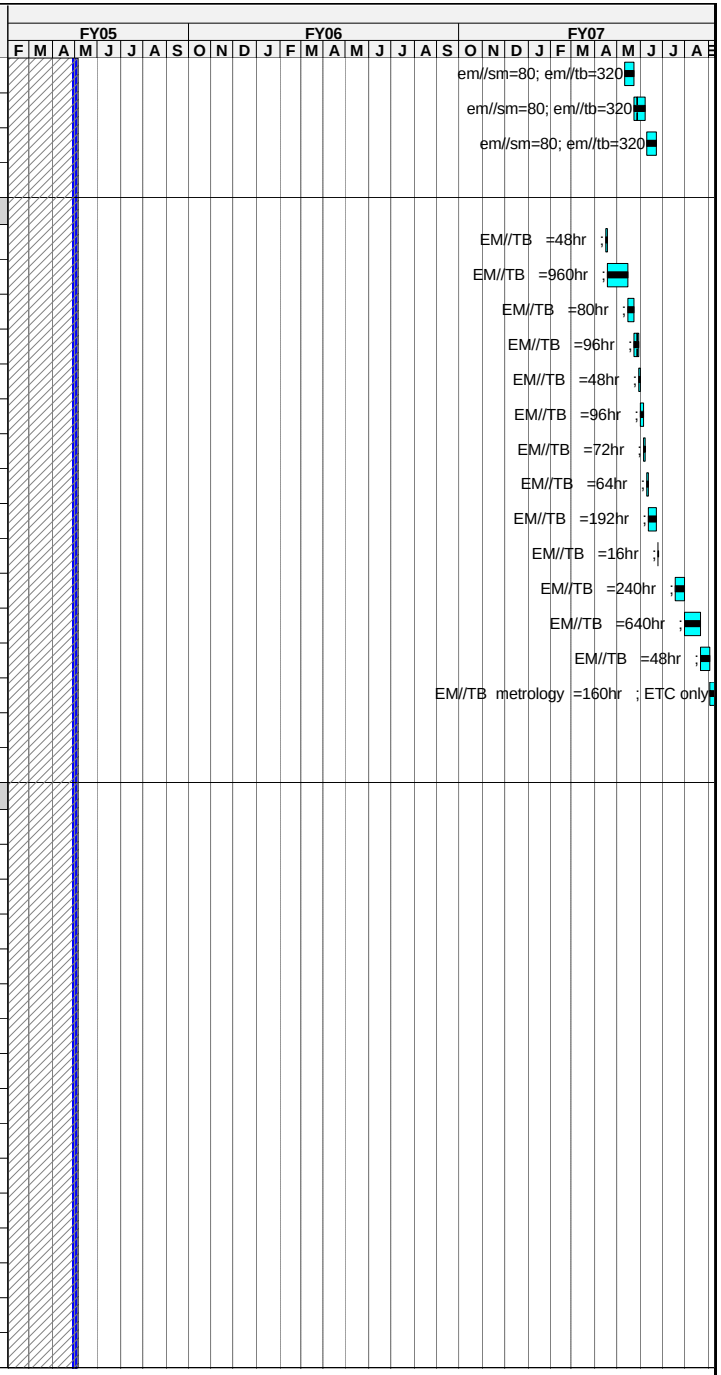
PMB Schedule
xECP-30 Baseline
Progress Bar
Critical Activity

0504

NCSX
STATUS THROUGH APRIL 30 AGAINST ECP-30

Actual Completions Suppressed

Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	ECP-30 Budget	ETC
184-110	Assemble 3 TF coils&structure -Left-Period #2	11MAY07	10	24MAY07	253		0.00	36,985.60	
184-115	Assemble 3 TF coils&structure -Right -Period #2	25MAY07	10	08JUN07	253		0.00	36,985.60	
184-120	Assemble 3 TF coils&structure -Left -Period #3	11JUN07	10	22JUN07	300		0.00	36,985.60	
184-125	Assemble 3 TF coils&structure -Right -Period #3	02OCT07	10	15OCT07	231		0.00	38,318.40	
Stage 4 - Final FP Assy (Instl ports & TF's)FP#1									
S4P1-101	Mount MC/VV assembly to support frame a	17APR07	2	18APR07	164		0.00	4,102.56	
S4P1-102	Position and weld all ports to VV	19APR07	20	16MAY07	164		0.00	82,051.20	
S4P1-103	Inspect Welds	17MAY07	5	23MAY07	164		0.00	6,837.60	
S4P1-104	Assemble left TF Coil Assembly check position	24MAY07	3	29MAY07	164		0.00	8,205.12	
S4P1-105	Change platforms	30MAY07	2	31MAY07	164		0.00	4,102.56	
S4P1-106	Assemble right TF Coil Assembly chk position	01JUN07	3	05JUN07	164		0.00	8,205.12	
S4P1-107	Attach TF coils to MC's	06JUN07	3	08JUN07	164		0.00	6,153.84	
S4P1-108	Change platforms	11JUN07	2	12JUN07	164		0.00	5,470.08	
S4P1-109	Position, weld two large horizontal diag ports	13JUN07	8	22JUN07	164		0.00	16,410.24	
S4P1-110	Inspect Welds	25JUN07	1	25JUN07	164		0.00	1,367.52	
S4P1-111	Assemble external trim coils to TF Coil	18JUL07	10	31JUL07	148		0.00	20,512.80	
S4P1-112	Close up VV, bakeout 350 deg C, leak check	01AUG07	20	20AUG07	219		0.00	54,700.80	
S4P1-113	Adjust final support base interfaces	21AUG07	10	03SEP07	148		0.00	4,102.56	
S4P1-113.5	Final metrology outside & inside	04SEP07	10	17SEP07	148		0.00	0.00	
S4P1-114	Prepare Field Period for shipment	18SEP07	2	19SEP07	148		0.00	4,102.56	
S4P1-115	Transfer completed assy to C-site test cell	20SEP07	2	21SEP07	148		0.00	6,837.60	
Stage 4 - Final FP Assy (Instl ports & TF's)FP#2									
S4P2-101	Mount MC/VV assembly to support frame a	19NOV07	2	20NOV07	108		0.00	4,250.40	
S4P2-102	Position and weld all ports to VV	21NOV07	20	20DEC07	108		0.00	85,008.00	
S4P2-103	Inspect Welds	21DEC07	5	07JAN08	108		0.00	7,084.00	
S4P2-104	Assemble left TF Coil Assembly check position	08JAN08	3	10JAN08	108		0.00	8,500.80	
S4P2-105	Change platforms	11JAN08	2	14JAN08	108		0.00	4,250.40	
S4P2-106	Assemble right TF Coil Assembly chk position	15JAN08	3	17JAN08	108		0.00	8,500.80	
S4P2-107	Attach TF coils to MC's	18JAN08	3	22JAN08	108		0.00	6,375.60	
S4P2-108	Change platforms	23JAN08	2	24JAN08	108		0.00	5,667.20	
S4P2-109	Position, weld two large horizontal diag ports	25JAN08	8	05FEB08	108		0.00	17,001.60	
S4P2-110	Inspect Welds	06FEB08	1	06FEB08	108		0.00	1,416.80	
S4P2-111	Assemble external trim coils to TF Coil	18JAN08	10	31JAN08	112		0.00	21,252.00	
S4P2-112	Close up VV, bakeout 350 deg C, leak check	07FEB08	20	26FEB08	152		0.00	56,672.00	
S4P2-113	Adjust final support base interfaces	27FEB08	2	28FEB08	108		0.00	4,250.40	
S4P2-113.5	Final metrology outside & inside	29FEB08	10	13MAR08	108		0.00	0.00	
S4P2-114	Prepare Field Period for shipment	14MAR08	2	17MAR08	108		0.00	4,250.40	
S4P2-115	Transfer completed assy to C-site test cell	18MAR08	2	19MAR08	108		0.00	7,084.00	



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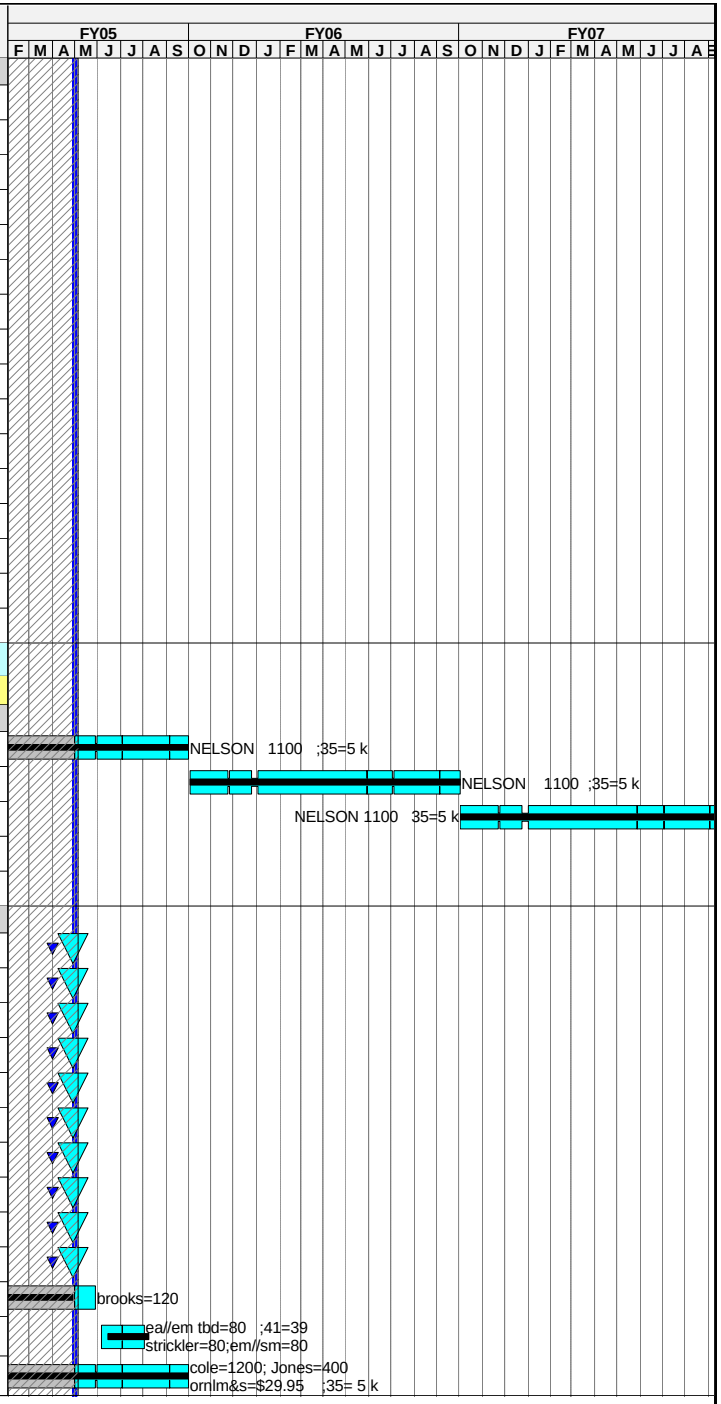
PMB Schedule
xECP-30 Baseline
Progress Bar
Critical Activity

0504

NCSX
STATUS THROUGH APRIL 30
AGAINST ECP-30

Actual Completions Suppressed

Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	ECP-30 Budget	ETC
Stage 4 - Final FP Assy (Instl ports & TF's)FP#3									
S4P3-101	Mount MC/VV assembly to support frame a	20MAR08	2	21MAR08	108		0.00	4,250.40	
S4P3-102	Position and weld all ports to VV*2 shift*	24MAR08	10	04APR08	108		0.00	85,008.00	
S4P3-103	Inspect Welds	07APR08	5	11APR08	108		0.00	7,084.00	
S4P3-104	Assemble left TF Coil Assembly check position	14APR08	3	16APR08	108		0.00	8,500.80	
S4P3-105	Change platforms	17APR08	2	18APR08	108		0.00	4,250.40	
S4P3-106	Assemble right TF Coil Assembly chk position	21APR08	3	23APR08	108		0.00	8,500.80	
S4P3-107	Attach TF coils to MC's	24APR08	3	28APR08	108		0.00	6,375.60	
S4P3-108	Change platforms	29APR08	2	30APR08	108		0.00	5,667.20	
S4P3-109	Position, weld two large horizontal diag ports	01MAY08	8	12MAY08	108		0.00	17,001.60	
S4P3-110	Inspect Welds	13MAY08	1	13MAY08	108		0.00	1,416.80	
S4P3-111	Assemble external trim coils to TF Coil	24APR08	10	07MAY08	112		0.00	21,252.00	
S4P3-112	Close up VV, bakeout 350 deg C, leak check	14MAY08	20	02JUN08	150		0.00	56,672.00	
S4P3-113	Adjust final support base interfaces	03JUN08	2	04JUN08	108		0.00	4,250.40	
S4P3-113.5	Final metrology outside & inside	05JUN08	10	18JUN08	108		0.00	0.00	
S4P3-114	Prepare Field Period for shipment	19JUN08	2	20JUN08	108		0.00	4,250.40	
S4P3-115	Transfer completed assy to C-site test cell	23JUN08	2	24JUN08	108		0.00	7,084.00	
19 - Stellarator Core Management and Integration									
Job: 1901 - Stellarator Core Mngtt&Integr-NELSON									
191 - Stellarator Core Management & Oversight									
0191-5	LOE-FY05 WBS 191	01OCT04A	249*	30SEP05	1,010	LOE	101,930.25	178,825.00	
0191-6	LOE-FY06 WBS 191	03OCT05*	250*	02OCT06	513	LOE	0.00	194,644.18	
0191-6X	LOE-FY07 WBS 191	03OCT06*	247	27SEP07	513	LOE	0.00	198,175.00	
0191-7	LOE-FY08 WBS 191	03OCT07*	247	26SEP08	263	LOE	0.00	96,592.00	
191-8	LOE-FY089 WBS 191	03OCT08*	130	02APR09	129	LOE	0.00	54,784.00	
192 - Stellarator Core Integration & Analysis									
192-4.1	Self consistent models/dwgs f/ Mod Coil & VV FDR		0	29APR05*	1,117	100	0.00	0.00	
192-4.2	Self consistent models/dwgs Conv Coils&sprt strc		0	29APR05*	1,117		0.00	0.00	
192-4.4	Stellarator Core Assy dwgs & assy sequence		0	29APR05*	1,117		0.00	0.00	
192-5.1	\VV Helium Line Models		0	29APR05*	1,117		0.00	0.00	
192-5.2	Mod Coil LN2 Lines Layouts		0	29APR05*	1,117		0.00	0.00	
192-5.3	Mod Coil Leads Layouts		0	29APR05*	1,117		0.00	0.00	
192-5.4	PF Coil Leads & Services Layouts		0	29APR05*	1,117		0.00	0.00	
192-5.5	TF Coil leads & Services Layouts		0	29APR05*	1,117		0.00	0.00	
192-5.6	External Trim Coil Leads /services Layouts		0	29APR05*	1,117		0.00	0.00	
192-6.3	Best fit for mod coil assy on winding measuremen		0	29APR05*	1,117		0.00	0.00	
192-6.01	Document coil tolerance and trim coil requiremen	01MAR04A	250	27MAY05	1,103	95	18,249.17	19,209.65	
192-6.031	Demo Method for current center on TRC	06JUN05	40	01AUG05	1,059		0.00	84,381.60	
0192-5	LOE-FY05 WBS 192	01OCT04A	249*	30SEP05	1,010	LOE	160,747.13	282,012.50	



Run Date 31MAY05 15:45

PMB Schedule
xECP-30 Baseline
Progress Bar
Critical Activity

0504

NCSX
STATUS THROUGH APRIL 30
AGAINST ECP-30

Actual Completions Suppressed

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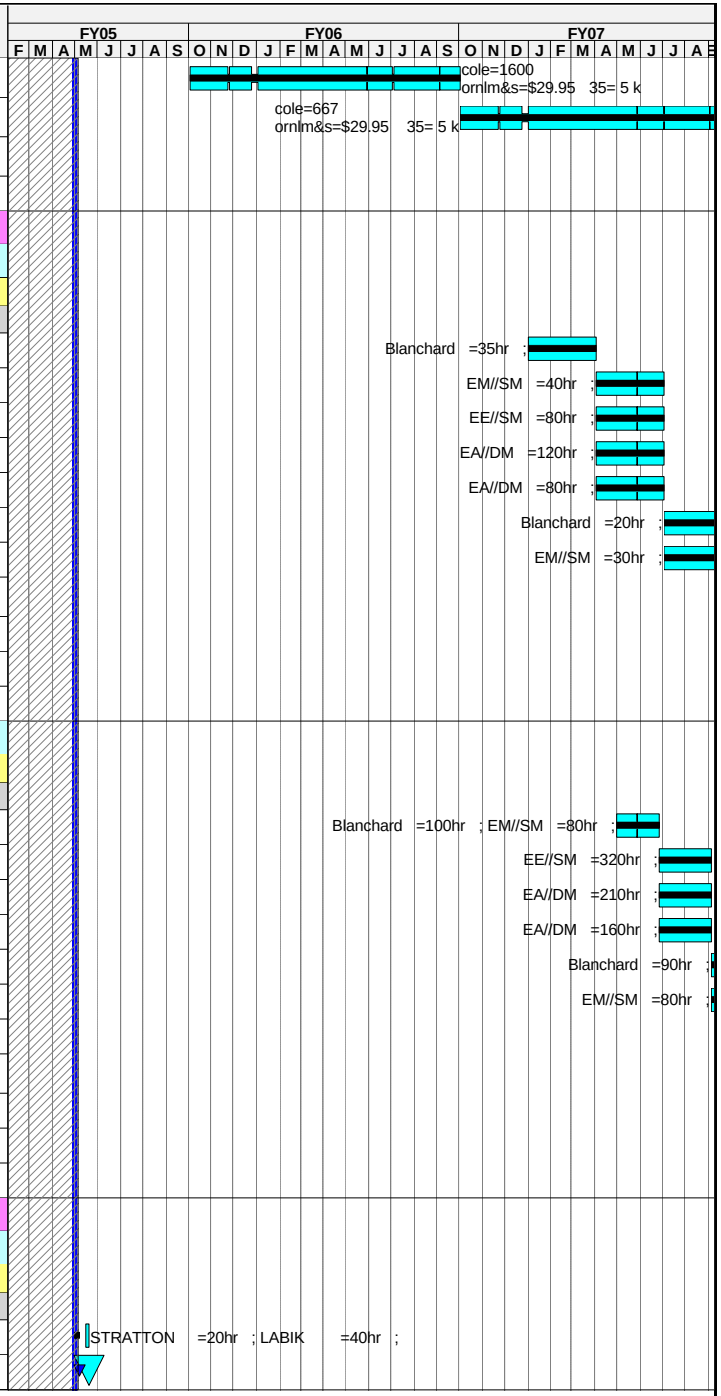
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	ECP-30 Budget	ETC
0192-6	LOE-FY06 WBS 192	03OCT05*	250	02OCT06	518	LOE	0.00	304,830.01	
0192-6X	LOE-FY07 WBS 192	03OCT06*	242	20SEP07	518	LOE	0.00	154,710.60	
0192-7	LOE-FY08 WBS 192	03OCT07*	242	19SEP08	268	LOE	0.00	148,147.40	
0192-99	LOE-FY09	01OCT08*	130	31MAR09	131	LOE	0.00	98,650.00	
2 - Plasma Heating, Fueling & Vac Systems									
21 - Fueling Systems									
ECP 16 October 2004									
21-10	Eng. Work Planning and Design	02JAN07*	65	02APR07	233		0.00	6,439.30	
21-15	Design Gas Handling Hardware	03APR07	65	03JUL07	233		0.00	4,817.60	
21-20	Design PLC Controls	03APR07	65	03JUL07	298		0.00	10,052.80	
21-25	Electrical Drafting for pumping system	03APR07	65	03JUL07	298		0.00	13,959.60	
21-30	Drafting	03APR07	65	03JUL07	298		0.00	9,306.40	
21-35	Eng. Work Planning and Design during fab	04JUL07	65	02OCT07	298		0.00	3,683.68	
21-40	Fabrication/Install Hardware	04JUL07	65	02OCT07	233		0.00	3,617.21	
21-45	Fabrication/installation	03OCT07	65	14JAN08	233		0.00	23,039.75	
21-55	Install PLC Controls	03OCT07	65	14JAN08	233		0.00	5,207.60	
21-60	Integrated Systems Testing/Eng	03OCT07	65	14JAN08	233		0.00	3,812.20	
21-65	Integrated Systems Testing/Tech Support	15JAN08	45	17MAR08	233		0.00	2,603.80	
22 - Torus Vacuum Pumping Systems									
22-25	Eng. Work Planning and Design	01MAY07*	40	26JUN07	230		0.00	28,033.20	
22-30	Design PLC based control system	27JUN07	50	04SEP07	270		0.00	40,211.20	
22-35	Electrical Drafting for pumping system	27JUN07	50	04SEP07	290		0.00	24,429.30	
22-40	Drafting	27JUN07	50	04SEP07	230		0.00	18,612.80	
22-45	Eng. Work Planning and Design during fab	05SEP07	40	30OCT07	250		0.00	16,886.39	
22-50	Perform maint. & repair of pmpg sys	05SEP07	40	30OCT07	230		0.00	9,826.16	
22-55	Repair and Calibration of vac instrumentation	31OCT07	60	04FEB08	250		0.00	9,982.40	
22-60	Fabrication/installation	31OCT07	80	03MAR08	230		0.00	122,184.00	
22-65	Fab PLC conrols	31OCT07	80	03MAR08	230		0.00	65,886.40	
22-70	Integrated Systems Testing/Eng	04MAR08	20	31MAR08	230		0.00	7,624.40	
22-75	Integrated Systems Testing/Tech Support	04MAR08	20	31MAR08	230		0.00	5,207.60	
3 - Diagnostics									
31 - Magnetic Diagnostics									
Job: 3101 Magnetic Diagnostics									
Vacuum Vessel Saddle Loops									
3101-125	PDR PREP -VESSEL SADDLE LOOP MOUNTING	16MAY05	5	20MAY05	433		0.00	9,483.60	
3101-126	PDR -VESSEL SADDLE LOOP MOUNTING		0	20MAY05	433		0.00	0.00	



Run Date 31MAY05 15:45

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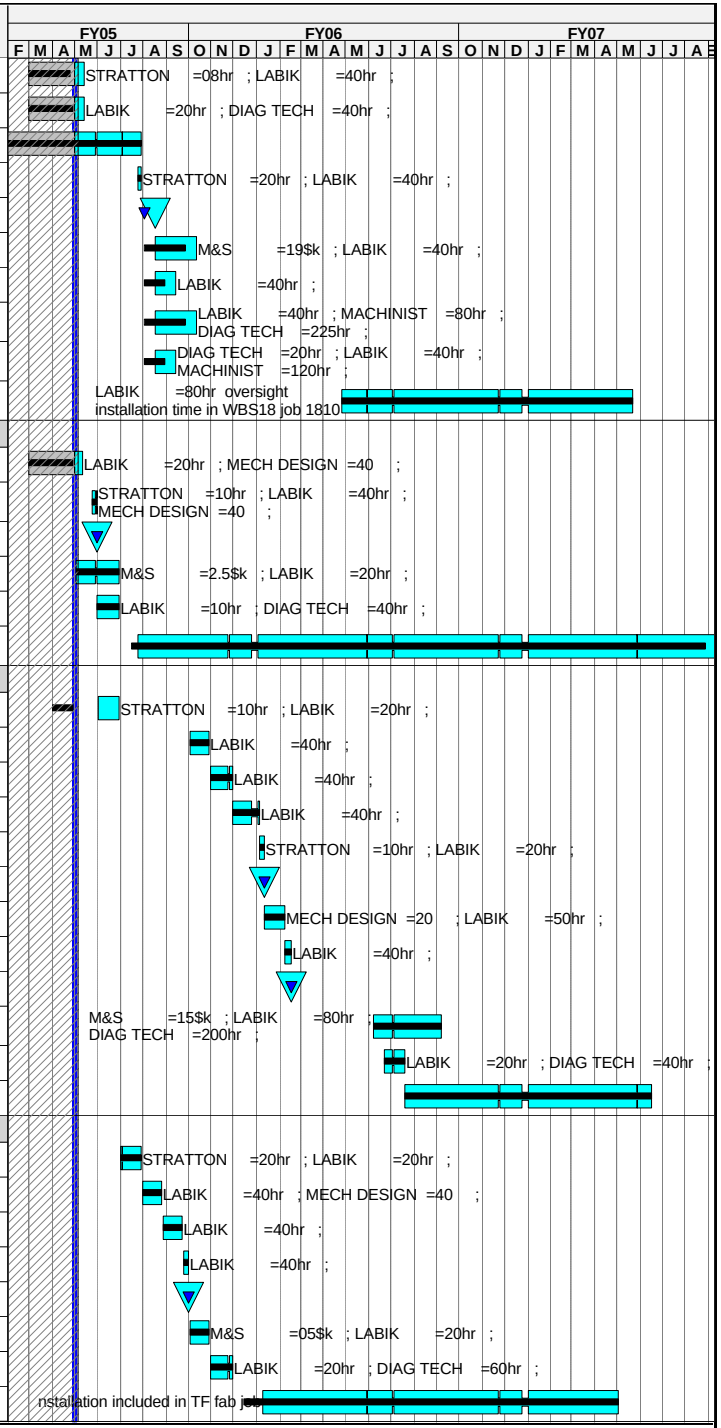
PMB Schedule
xECP-30 Baseline
Progress Bar
Critical Activity

0504

NCSX
STATUS THROUGH APRIL 30
AGAINST ECP-30

Actual Completions Suppressed

Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	ECP-30 Budget	ETC
3101-129	DESIGN AND PROTOTYPE SADDLE LOOP	01MAR05A	54*	13MAY05	438	50	3,821.76	7,643.52	
3101-133	Prototype loops on vsl proto segment using ARI	01MAR05A	54*	13MAY05	433	40	2,475.68	6,189.20	
3101-137	FINAL OPTIMIZATION OF LOOP LOCATION, AREA	01JAN05A	148*	29JUL05	445		0.00	0.00	
3101-141	FDR PREP- VESSEL SADDLE LOOPS	25JUL05	5	29JUL05	445		0.00	9,483.60	
3101-142	FDR - VESSEL SADDLE LOOPS		0	16AUG05	433		0.00	0.00	
3101-145	PROCURE MATERIALS	17AUG05	40	11OCT05	433		0.00	31,681.52	
3101-149	PREPARE METROLOGY	17AUG05	20	13SEP05	442		0.00	6,416.80	
3101-153	FAB TERMINATION BOXES & CLAMPS	17AUG05	40	11OCT05	433		0.00	32,254.16	
3101-157	Design Tooling	17AUG05	20	13SEP05	453		0.00	20,509.60	
3101-161	SUPT LOOP INSTL 200 LOOPS),	25APR06	270*	21MAY07	264		0.00	14,580.35	
Modular Coil C-wound Loops									
3101-213	DESIGN TERMINATION	01MAR05A	53*	12MAY05	203	90	6,060.99	7,302.40	
3101-217	FDR PREP- MC CO-WOUND LOOP	24MAY05	5	31MAY05	196		0.00	12,044.20	
3101-218	FDR - MC CO-WOUND LOOP		0	31MAY05*	196		0.00	0.00	
3101-221	PROCURE MATERIALS	03MAY05	40	28JUN05	1,082		0.00	6,410.90	
3101-225	FAB TERMINATION BOXES	01JUN05	20	28JUN05	1,082		0.00	4,585.00	
3101-229	SUPPORT NSTALLATION, TERMINATION, TESTING	25JUL05	539*	12SEP07	130		0.00	7,194.60	
Rogowski Coils									
3101-301	LAYOUT LOCATION ROWGOSKI COIL &EST COIL	02JUN05*	20	29JUN05	447		0.00	4,741.80	
3101-305	ROWGOWSKI COIL DESIGN	03OCT05*	20	28OCT05	381		0.00	7,192.80	
3101-309	DESIGN COIL MOUNTING TECHNIQUE	31OCT05	20	29NOV05	381		0.00	7,192.80	
3101-313	DESIGN LEAD ROUTING AND TERMINATION	30NOV05	20	04JAN06	381		0.00	7,192.80	
3101-317	PDR PREP- ROWGOWSKI COIL	05JAN06	5	11JAN06	381		0.00	5,299.70	
3101-318	PDR - ROWGOWSKI COIL		0	11JAN06	381		0.00	0.00	
3101-321	DETAILED DESIGN OF ROWGOWSKI COILS,	12JAN06	20	08FEB06	381		0.00	11,265.00	
3101-325	FDR PREP ROWGOSKI COIL	09FEB06	5	15FEB06	381		0.00	7,192.80	
3101-326	FDR - ROWGOSKI COIL		0	15FEB06	381		0.00	0.00	
3101-329	FAB ROWGOWSKI COILS (2)	08JUN06	65	07SEP06	302		0.00	53,278.60	
3101-333	FAB TERMINATIONS	22JUN06	20	20JUL06	302		0.00	6,938.00	
3101-337	INSTALL COILS AND TERMINATIONS	21JUL06	227*	15JUN07	264		0.00	0.00	
TF Co-wound Loops									
3101-401	MOUNTING/LOCATING TECHNIQUE TF CO-WOUND	01JUL05*	20	29JUL05	427		0.00	6,275.20	
3101-405	DESIGN TERMINATION	01AUG05	20	26AUG05	427		0.00	10,510.80	
3101-409	FINALIZE LOOP LOCATION/MOUNTING TECHNIQUE	29AUG05	20	23SEP05	427		0.00	6,416.80	
3101-413	FDR PREP- TF CO-WOUND LOOPS	26SEP05	5	30SEP05	427		0.00	6,416.80	
3101-414	FDR - TF CO-WOUND LOOPS		0	30SEP05	427		0.00	0.00	
3101-417	PROCURE MATERIALS	03OCT05	20	28OCT05	427		0.00	10,991.40	
3101-421	FAB TERMINATIONS	31OCT05	20	29NOV05	427		0.00	8,608.80	
3101-425	INSTALL TF CO-WOUND LOOPS	10JAN06	333*	03MAY07	315		0.00	0.00	



Run Date **31MAY05 15:45**

PMB Schedule
xECP-30 Baseline
Progress Bar
Critical Activity

0504

NCSX
STATUS THROUGH APRIL 30 AGAINST ECP-30

Sheet 31 of 41

Actual Completions Suppressed

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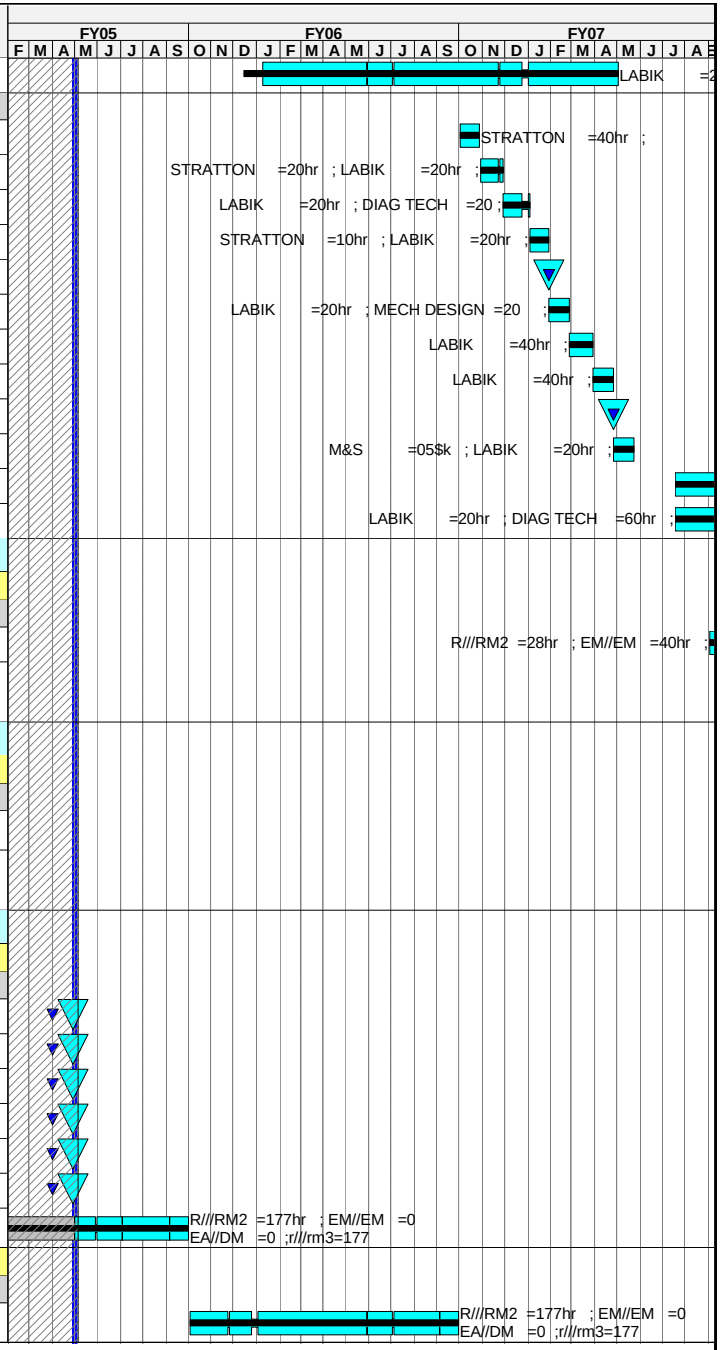
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	ECP-30 Budget	ETC
3101-429	INSTALL TERMINATIONS	10JAN06	333*	03MAY07	315		0.00	8,696.05	
Modular Coil Shell Saddle Loops									
3101-501	DETERMINE NUMEBR AND LOCATION OF LOOPS	02OCT06*	20	27OCT06	185		0.00	6,970.80	
3101-505	MOUNTING/LOCATING TECHN MC SHELL SADDLE	30OCT06	20	28NOV06	185		0.00	7,165.00	
3101-509	PROTOTYPE MC SHELL SADDLE LOOPS	29NOV06	20	03JAN07	185		0.00	5,389.00	
3101-513	PDR PREP -MC SHELL SADDLE LOOPS	04JAN07	18	29JAN07	185		0.00	5,422.30	
3101-514	PDR-MC SHELL SADDLE LOOPS		0	29JAN07	185		0.00	0.00	
3101-517	DESIGN TERMINATION	30JAN07	20	26FEB07	185		0.00	6,006.20	
3101-521	FINALIZE LOOP LOCATION/MOUNTING TECHNIQUE	27FEB07	23	29MAR07	185		0.00	7,359.20	
3101-525	FDR PREP - MC SHELL SADDLE LOOPS	30MAR07	20	26APR07	185		0.00	7,359.20	
3101-526	FDR - MC SHELL SADDLE LOOPS		0	26APR07	185		0.00	0.00	
3101-529	PROCURE MATERIALS	27APR07	20	24MAY07	185		0.00	10,604.60	
3101-533	INSTALL MC SHELL SADDLE LOOPS	18JUL07	202*	07MAY08	112		0.00	0.00	
3101-537	INSTALL TERMINATIONS	18JUL07	120	14JAN08	194		0.00	8,985.02	
36 - Edge and Divertor Diagnostics									
361-001	Design Visible Camera sys	04SEP07	40	29OCT07	192		0.00	12,470.31	
361-015	Fab/Assy/Installation Visible Camera	30OCT07*	130	08MAY08	192		0.00	33,484.98	
38 - Electron Beam (EB) Mapping									
380-010	Designe-Beam Probe,Fluor. Screen	12OCT07	40	10DEC07	192		0.00	47,563.70	
380-015	Fab & Install Beam probe	11DEC07*	102	08MAY08	192		0.00	262,530.00	
39 - Diagnostics Integration									
Job: 3901 - Diagnostics sys Integration-JOHNSON									
390-120	Update port map&revise diag port assignments		0	29APR05*	1,117	90	0.00	0.00	
390-130	Rvw status of existing ICD's w/VV & Mod Coils		0	29APR05*	1,117	100	0.00	0.00	
390-140	Write ICD's-Define external space for diagnostic		0	29APR05*	1,117	50	0.00	0.00	
390-150	Write ICD's-Define space f/racks in cntrl rm		0	29APR05*	1,117	50	0.00	0.00	
390-170	Develop space envelopes for SXR		0	29APR05*	1,117	70	0.00	0.00	
390-180	Hold CDR's co-wound mag sensors&ext saddle loops		0	29APR05*	1,117		0.00	0.00	
390-015	LOE Support FY05 **reduced scope	01OCT04A	249*	30SEP05	1,010	LOE	37,823.66	66,357.30	
390-020	LOE Support FY06	03OCT05*	249*	29SEP06	761		0.00	73,709.88	



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PMB Schedule
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Progress Bar
Critical Activity

0504

NCSX
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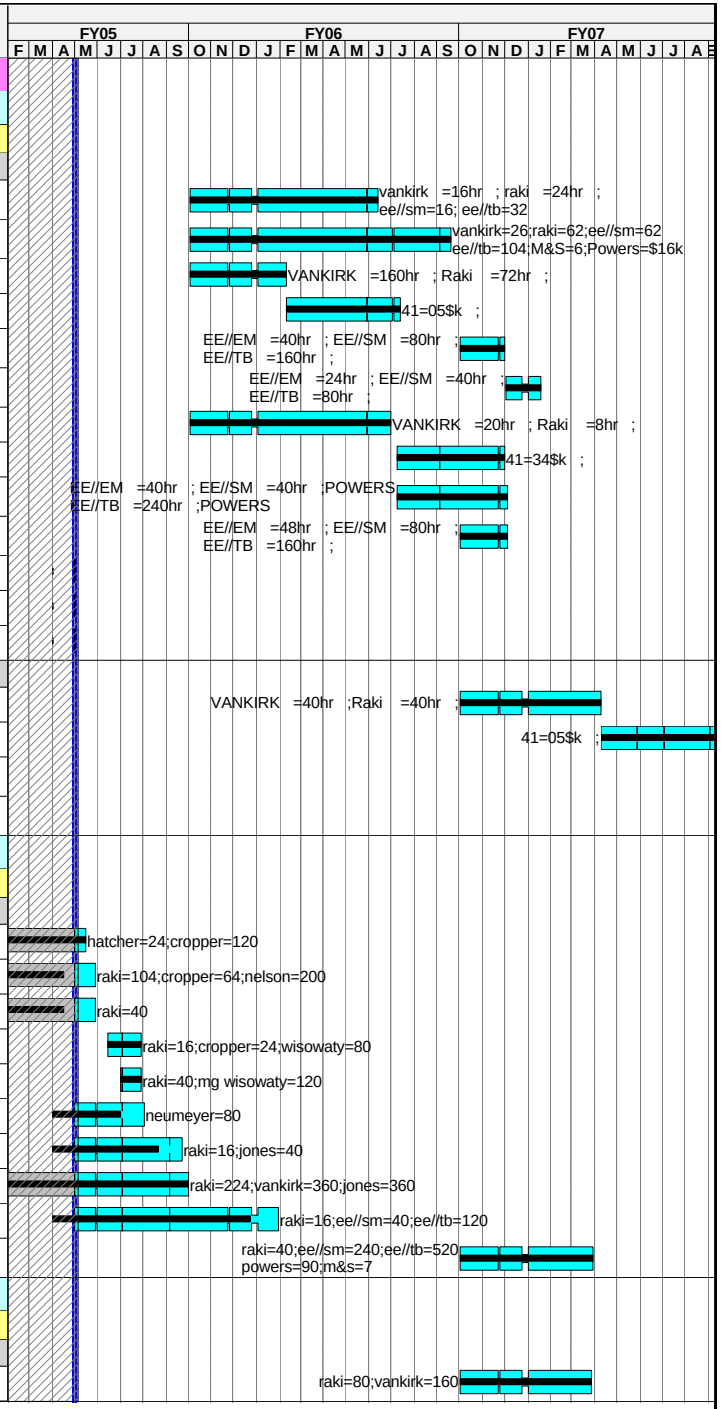
AGAINST ECP-30

Actual Completions Suppressed

Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	ECP-30 Budget	ETC
4 - Electrical Power Systems									
41 - AC Power									
Job: 4101 - AC Power-RAMAKRISHNAN									
411 - Auxiliary AC Power Systems									
4101-100.1	Prepare Preliminary One line diagram	03OCT05*	173	13JUN06	837		0.00	1,062.59	
411-1-100	Ex-Test cell AC pwr-Reactivate& new instl	03OCT05*	241	19SEP06	769		0.00	62,575.60	
411-2-2	Grounding-Dsn	03OCT05*	86	09FEB06	619		0.00	30,650.88	
411-2-4	Grounding-Procure	10FEB06*	107	12JUL06	619		0.00	7,395.00	
411-2-6	Grounding-Install	02OCT06*	43	01DEC06	520		0.00	65,513.00	
411-2-8	Grounding-Commission	04DEC06*	29	19JAN07	520		0.00	16,152.16	
411-3-2	Test Cell AC Power Distr-Dsn	03OCT05*	186	30JUN06	655		0.00	3,658.32	
411-3-4	Test Cell AC Power Distr-Procure(pnls & xfrmrs)	10JUL06*	101	30NOV06	550		0.00	48,956.97	
411-3-6	Test Cell AC Power Distr-Install	10JUL06*	104	05DEC06	547		0.00	32,319.04	
411-3-8	Test Cell AC Power Distr-Commission	02OCT06*	45	05DEC06	547		0.00	32,304.32	
411-4-2	Standby Power for Cryo Sys -Dsn	02MAY05	0	29APR05	1,117		0.00	0.00	
411-4-4	Standby Power for Cryo Sys -Procure	02MAY05	0	29APR05	1,117		0.00	0.00	
411-4-6	Standby Power for Cryo Sys -Install	02MAY05	0	29APR05	1,117		0.00	0.00	
412 - Experimental AC Power Systems									
412-1-2	D-site Pulsed AC Power Distr-Dsn	02OCT06*	128	09APR07	236		0.00	11,734.80	
412-1-4	D-site Pulsed AC Power Distr-Procure	10APR07	125	04OCT07	236		0.00	6,928.68	
412-1-6	D-site Pulsed AC Power Distr-Install	05OCT07	40	03DEC07	236		0.00	18,390.72	
412-1-8	D-site Pulsed AC Power Distr-Commission	04DEC07	40	05FEB08	236		0.00	11,088.40	
43 - DC Systems									
Job: 4301 - DC Systems-RAMAKRISHNAN									
431 - C-Site DC Systems									
431-200	Condition/spare parts inventory	01OCT04A	153*	16MAY05	1,106	90	15,306.19	17,006.88	
431-210	Organize & verify documentation	01OCT04A	162*	27MAY05	1,097	90	39,371.90	43,746.56	
431-215	Document status	01OCT04A	162*	27MAY05	1,097	80	4,984.64	6,230.80	
431-225	Reactivate DF & PEI units	15JUN05*	32*	29JUL05	1,054		0.00	11,196.40	
431-230	Load test	01JUL05*	20	29JUL05	1,054		0.00	15,306.40	
431-240	Simulate each of 6 pwr loops in PSCAD	02MAY05*	65	02AUG05	1,052		0.00	12,461.60	
431-250	c-site dc sys DGS dsn documentation	02MAY05*	100	21SEP05	1,017		0.00	6,586.32	
431-260	Power loop design	01NOV04A	228*	30SEP05	1,010	45	48,863.02	108,584.48	
431-265	Fabricate bus components	02MAY05*	185	30JAN06	932		0.00	16,738.30	
431-275	Power cabling & Installation	02OCT06*	121	29MAR07	492		0.00	216,284.20	
44 - Control and protection Systems									
Job: 4401 - Control & Protection-RAMAKRISHNAN									
441 - Electrical Interlocks									
441-095	Design Interlock sys	03OCT06*	118	27MAR07	224		0.00	32,776.00	



Run Date 31MAY05 15:45

PMB Schedule
xECP-30 Baseline
Progress Bar
Critical Activity

0504

NCSX
STATUS THROUGH APRIL 30
AGAINST ECP-30

Actual Completions Suppressed

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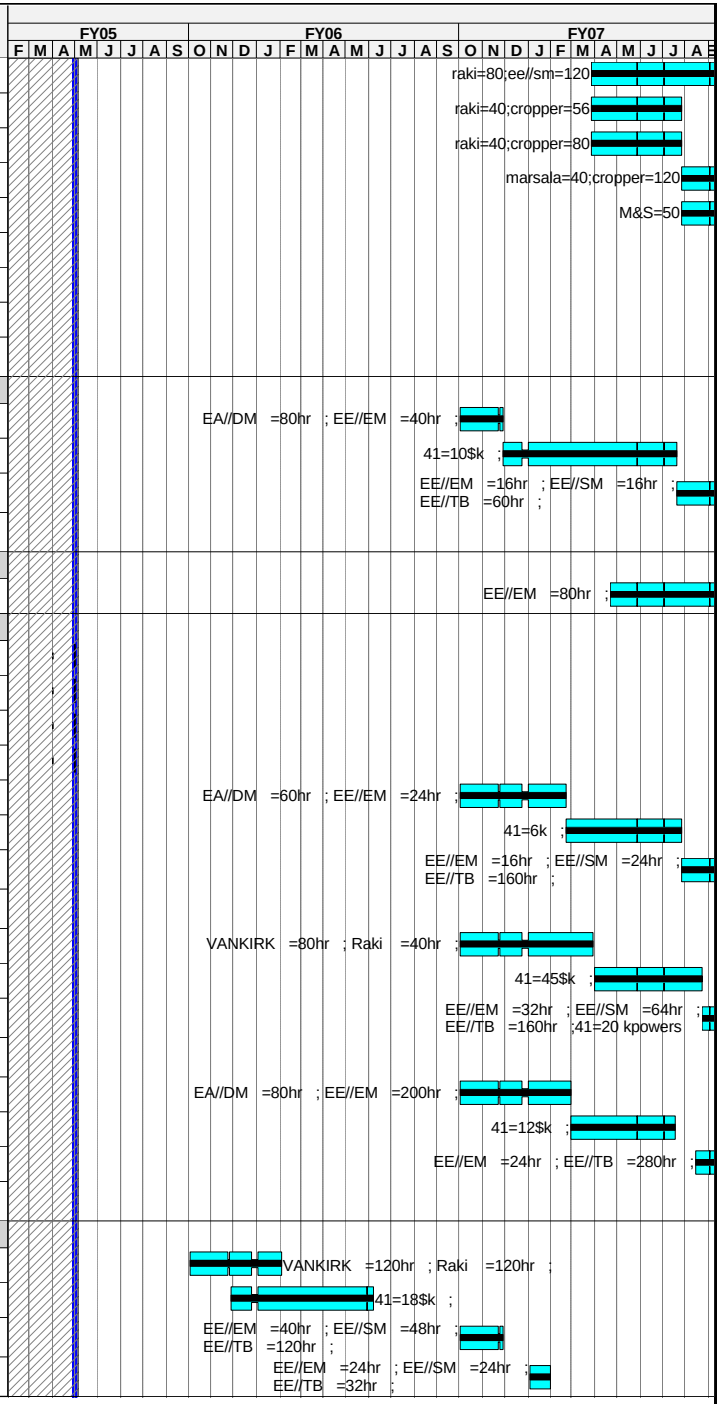
441-097	Install Interlock sys	28MAR07	119	13SEP07	309		0.00	29,242.40	
441-100	PLC Specification	28MAR07	85	26JUL07	224		0.00	14,118.56	
441-105	Prep Block diagrams	28MAR07	85	26JUL07	224		0.00	17,134.40	
441-110	PLC CWD's & Cabling	27JUL07*	85	23NOV07	224		0.00	22,536.52	
441-115	deliver PLC	27JUL07*	85	23NOV07	472		0.00	70,400.00	
441-120	Program PLC Logic	26NOV07	45	06FEB08	427		0.00	22,959.20	
441-125	Program Control pages	26NOV07	97	18APR08	375		0.00	24,222.00	
441-130	Pre-commissioning tests	14SEP07	214	23JUL08	309		0.00	24,324.98	
441-135	Install I/O Cabling	26NOV07	248	20NOV08	224		0.00	119,949.68	
442 - Kirk Key Interlocks									
442-1-2	Kirk Keys-Dsn	02OCT06*	41	29NOV06	290		0.00	16,388.00	
442-1-4	Kirk Keys-Procure	30NOV06	158	19JUL07	290		0.00	13,850.00	
442-1-6	Kirk Keys-Install	20JUL07	40	14SEP07	290		0.00	44,625.80	
442-1-8	Kirk Keys-Commission	01OCT07	30	09NOV07	290		0.00	7,319.36	
443 - Real Time Control Systems									
443-1-2	Develop Control Algorithms-Dsn	23APR07*	142	09NOV07	274		0.00	14,270.86	
444 - Instrument Systems									
444-1-2	DC Current Transducers (DCCTs)-Dsn	02MAY05	0	29APR05	1,117		0.00	0.00	
444-1-4	DC Current Transducers (DCCTs)-Procure	02MAY05	0	29APR05	1,117		0.00	0.00	
444-1-6	DC Current Transducers (DCCTs)-Install	02MAY05	0	29APR05	1,117		0.00	0.00	
444-1-8	DC Current Transducers (DCCTs)-Commission	02MAY05	0	29APR05	1,117		0.00	0.00	
444-2-2	DC Potential Transducers (DCPTs)-Dsn	02OCT06*	95	21FEB07	466		0.00	11,228.76	
444-2-4	DC Potential Transducers (DCPTs)-Procure	22FEB07	109	26JUL07	466		0.00	8,310.00	
444-2-6	DC Potential Transducers (DCPTs)-Install	27JUL07	51	08OCT07	466		0.00	19,685.02	
444-2-8	DC Potential Transducers (DCPTs)-Commission	09OCT07	40	05DEC07	466		0.00	12,869.40	
444-3-2	DC Shunts-Dsn	02OCT06*	122	30MAR07	463		0.00	16,388.00	
444-3-4	DC Shunts-Procure	02APR07	101	22AUG07	463		0.00	62,325.00	
444-3-6	DC Shunts-Install	23AUG07	51	02NOV07	463		0.00	55,871.00	
444-3-8	DC Shunts-Commission	05NOV07	24	10DEC07	463		0.00	18,212.40	
444-4-2	Signal Conditioning & Cabling-Dsn	03OCT06*	99	28FEB07	454		0.00	44,714.40	
444-4-4	Signal Conditioning & Cabling-Procure	01MAR07	98	18JUL07	454		0.00	16,620.00	
444-4-6	Signal Conditioning & Cabling-Install	15AUG07	68	19NOV07	454		0.00	28,856.75	
444-4-8	Signal Conditioning & Cabling-Commission	20NOV07	22	21DEC07	454		0.00	17,573.28	
445 - Coil Protection Systems									
445-1-2	Ground Fault Protection-Dsn	03OCT05*	82	03FEB06	656		0.00	34,408.80	
445-1-4	Ground Fault Protection-Procure	28NOV05*	130	06JUN06	570		0.00	26,622.00	
445-1-6	Ground Fault Protection-Install	02OCT06*	40	28NOV06	489		0.00	23,428.48	
445-1-8	Ground Fault Protection-Commission	04JAN07	20	31JAN07	489		0.00	10,015.52	



Run Date 31MAY05 15:45

PMB Schedule
xECP-30 Baseline
Progress Bar
Critical Activity

0504

NCSX
STATUS THROUGH APRIL 30
AGAINST ECP-30

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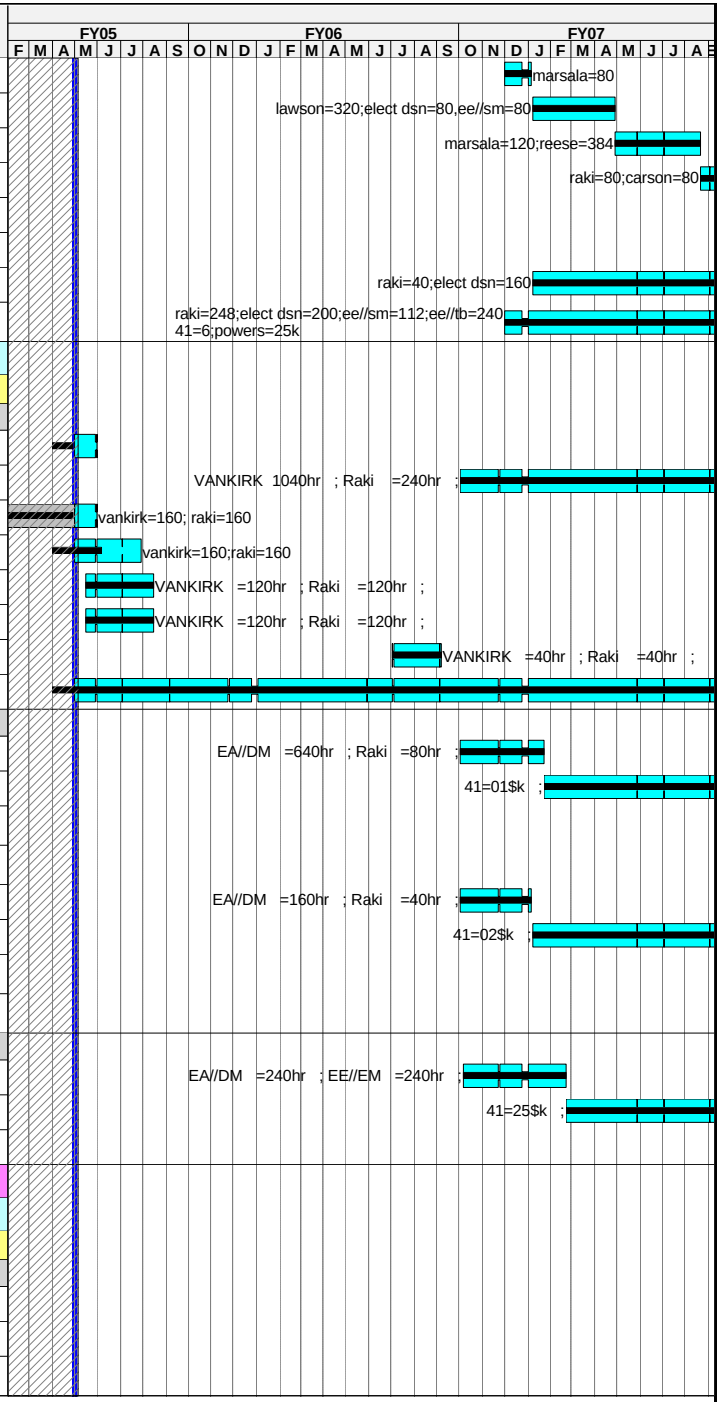
445-2-105	Overload Protect-Write spec and approve	01DEC06*	20	05JAN07	470		0.00	14,163.20	
445-2-110	Overload Protect-Design	08JAN07	80	27APR07	480		0.00	76,012.00	
445-2-115	Overload Protect-Fabr 4 chassis 120 modls	30APR07*	79	20AUG07	480		0.00	69,498.24	
445-2-120	Overload Protect-Test 4 units	21AUG07	20	18SEP07	480		0.00	24,216.00	
445-2-125	Overload Protect-Install & Rack wiring	19SEP07	20	16OCT07	480		0.00	46,352.02	
445-2-130	Overload Protect-Write & perform ISTP	17OCT07	20	13NOV07	480		0.00	25,088.00	
445-2-135	Overload Protect-Documentation	08JAN07*	180	19SEP07	519		0.00	25,694.40	
445-2-140	Overload Protection&cabling design,procure instl	01DEC06*	249	27NOV07	470		0.00	145,550.00	
45 - Power System Design and Integration									
Job: 4501 - Power Sys Dsn & Integr-RAMAKRISHNAN									
451 - System Design & Interfaces									
451-0-2	Develop SRD	02MAY05*	21	31MAY05	1,096		0.00	0.00	
451-3-2	Dwgs,asbuilts -Elect Dsn	02OCT06*	500*	30SEP08	261		0.00	166,427.78	
451-2-1	CDR Power system -Dsn	01DEC04A	122*	31MAY05	1,096	40	16,519.68	41,299.20	
451-2-2	PDR Power system -Dsn	02MAY05*	63*	29JUL05	1,054		0.00	41,299.20	
451-2-2.1	FDR C-Site	16MAY05*	64*	15AUG05	1,043		0.00	30,974.40	
451-6-2	FDR C-Site -Cabling	16MAY05*	64*	15AUG05	1,043		0.00	30,974.40	
451-4-2	FDR AC auxiliaries & grounding-Dsn	03JUL06*	45	05SEP06	779		0.00	11,469.60	
451-1-2	Calculations-Dsn	02MAY05*	605*	28SEP07	512		0.00	55,824.41	
452 - Electrical Systems Support									
452-1-2	Diagnostics AC Power Distr-Dsn	03OCT06*	72	22JAN07	192		0.00	88,614.40	
452-1-4	Diagnostics AC Power Distr-Procure	23JAN07	182	08OCT07	192		0.00	1,385.76	
452-1-6	Diagnostics AC Power Distr-Install	09OCT07	105	13MAR08	192		0.00	82,080.00	
452-1-8	Diagnostics AC Power Distr-Commission	19MAR08	37	08MAY08	192		0.00	31,999.60	
452-2-2	Diagnostics sensor cabling-Dsn	03OCT06*	61	05JAN07	240		0.00	25,694.40	
452-2-4	Diagnostics sensor cabling-Procure	08JAN07	185	26SEP07	240		0.00	2,770.00	
452-2-6	Diagnostics sensor cabling-Install	27SEP07	65	07JAN08	240		0.00	22,791.55	
452-2-8	Diagnostics sensor cabling-Commission	08JAN08	40	03MAR08	240		0.00	6,399.92	
453 - System Testing (PTP's)									
453-1-2	New Procedures	06OCT06*	90	20FEB07	345		0.00	70,408.80	
453-1-4	Preop Testing-Procure test equipt	21FEB07*	160	05OCT07	345		0.00	34,642.97	
453-1-8	Testing PTPs, ISTPs	19OCT07*	100	18MAR08	236		0.00	219,667.28	
5 - Central I&C Systems									
51 - TCP/IP Infrastructure Systems									
51-10	Preliminary Design (Title I)	01OCT07*	45	04DEC07	239		0.00	6,825.20	
51-20	Final Network Design (Title II)	05DEC07	20	09JAN08	239		0.00	6,825.20	
51-30	Installation, Testing, Documentation (Title III)	10JAN08	120	26JUN08	239		0.00	269,040.80	



Run Date 31MAY05 15:45

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PMB Schedule
xECP-30 Baseline
Progress Bar
Critical Activity

0504

NCSX
STATUS THROUGH APRIL 30
AGAINST ECP-30

Actual Completions Suppressed

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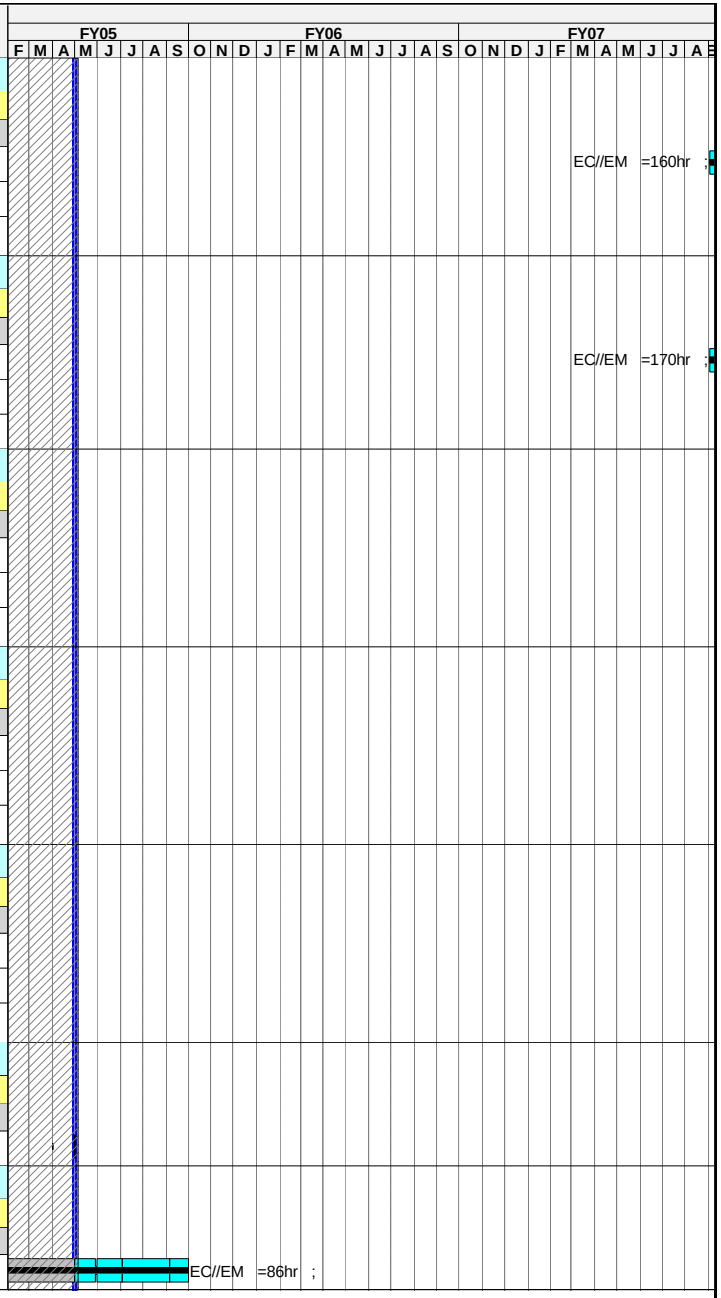
52 - Central Instrumentation & Control									
52-10	Preliminary Design (Title I)	04SEP07*	45	05NOV07	138		0.00	26,900.20	
52-20	Final Design (Title II)	06NOV07	87	17MAR08	138		0.00	66,545.70	
52-30	Installation, Testing, Documentation (Title III)	18MAR08	173	18NOV08	138		0.00	517,471.88	
53 - Data Acquisition & Facility Computing									
53-10	Preliminary Design (Title I)	04SEP07*	45	05NOV07	160		0.00	28,581.46	
53-20	Final Design (Title II)	06NOV07	65	14FEB08	160		0.00	56,307.90	
53-30	Coding, Configuration, Testing (Title III)	15FEB08	173	17OCT08	160		0.00	266,124.36	
54 - Facility Timing & Synchronization									
54-10	Preliminary Design (Title I)	02OCT07*	45	05DEC07	178		0.00	23,888.20	
54-20	Final Design (Title II)	06DEC07	65	13MAR08	178		0.00	27,300.80	
54-30	Installation, Testing, Documentation (Title III)	14MAR08	135	23SEP08	178		0.00	169,775.20	
55 - Real Time Plasma & Power Supply Control Sys									
55-10	Preliminary Design (Title I)	02OCT07*	45	05DEC07	238		0.00	13,650.40	
55-20	Final Design (Title II)	06DEC07	20	10JAN08	238		0.00	13,650.40	
55-30	Installation, Testing, Documentation (Title III)	11JAN08	120	27JUN08	238		0.00	134,352.40	
56 - Central Safety Interlock Systems									
56-10	Preliminary Design (Title I)	02OCT07*	87	11FEB08	183		0.00	27,300.80	
56-20	Final Design (Title II)	12FEB08	45	14APR08	183		0.00	27,300.80	
56-30	Installation, Testing, Documentation (Title III)	15APR08	108	16SEP08	183		0.00	327,335.40	
57 - Control Room Facility									
57-10		02MAY05	0	29APR05	1,117		0.00	0.00	
58 - Central I&C management and Integration									
Job: 5801 -Central I&C Integr & Oversight-OLIARO									
51-02	FY05 LOE support	01OCT04A	249*	30SEP05	1,010	LOE	7,103.49	12,462.26	



Run Date 31MAY05 15:45

PMB Schedule
xECP-30 Baseline
Progress Bar
Critical Activity

0504

NCSX
STATUS THROUGH APRIL 30
AGAINST ECP-30

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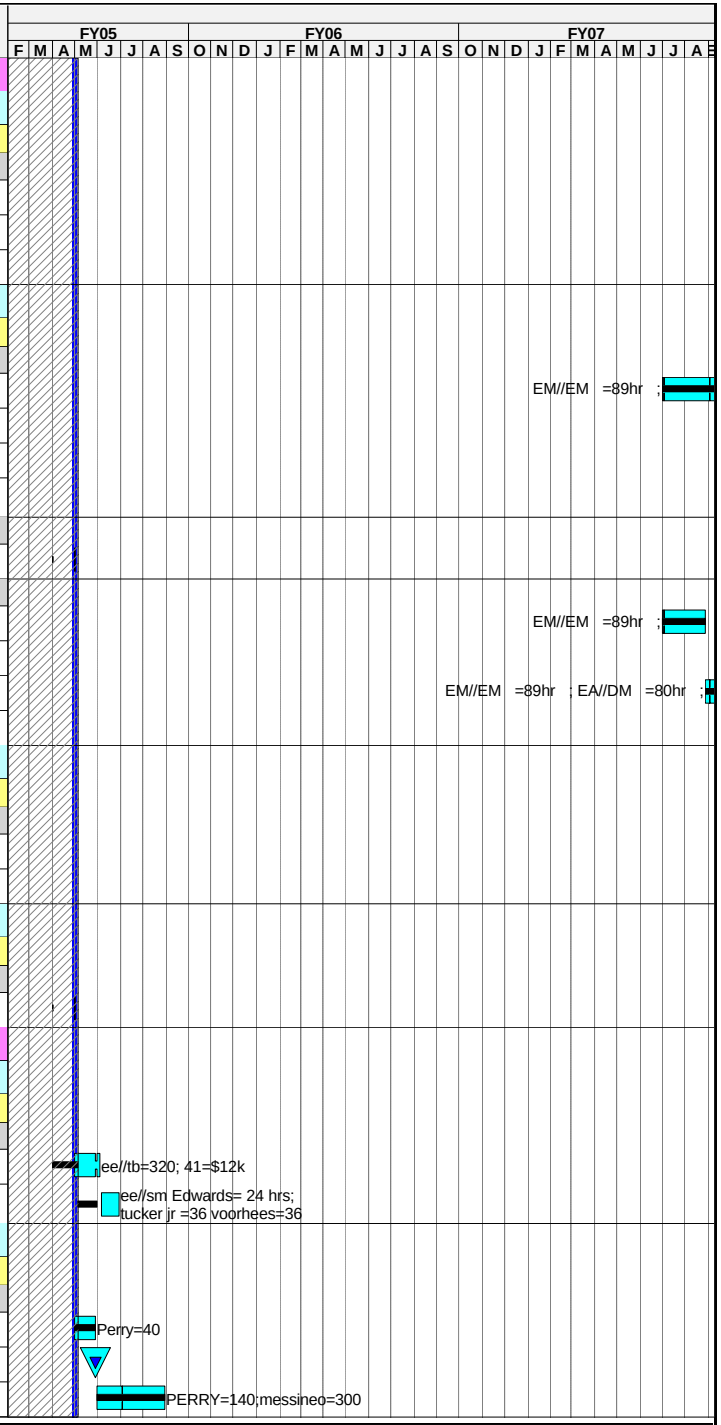
6 - Facility Systems									
61 - Water Systems									
613 - Vacuum Pumping System									
623.011	Design WBS 612	01NOV07*	59	01FEB08	216		0.00	24,890.40	
623.013	FDR WBS 612		0	01FEB08	216		0.00	0.00	
632.021	WBS 612 Assembly/Fabrication/Installation	04FEB08	40	28MAR08	216		0.00	69,615.20	
62 - Cryogenic Systems									
621 - LN2-LHe Supply System									
631-001	Preliminary Design	02JUL07*	65	02OCT07	252		0.00	16,392.38	
631-010	Final Design**reduced scope	03OCT07	65	11JAN08	252		0.00	18,892.61	
631-020	Procurement **reduced scope	14JAN08	88	14MAY08	252		0.00	123,340.80	
631-015	Fab/Assy/Installation**reduced scope	10MAR08	65	09JUN08	252		0.00	74,417.26	
622 - LN2 Coil Cooling Supply									
632-001	**deleted scope	02MAY05	0	29APR05	1,117		0.00	0.00	
623 - GN2 Cryostat Cooling System									
633-001	Preliminary Design	02JUL07*	40	27AUG07	262		0.00	16,374.22	
633-020	Procurement	14NOV07	130	23MAY08	262		0.00	112,569.60	
633-010	Final Design	28AUG07	55	13NOV07	262		0.00	26,218.96	
633-015	Fab/Assy/Installation	23JAN08	88	23MAY08	262		0.00	75,053.09	
63 - Utility Systems									
640.011	Design GN2, Air & Vent Systems	01OCT07*	59	01JAN08	251		0.00	34,532.00	
640.021	Assembly/Fabrication	02JAN08	40	26FEB08	251		0.00	74,767.58	
64 - PFC/VV Heating & Cooling*ELIMINATED*									
650.001	Eliminated scope	02MAY05	0	29APR05	1,117		0.00	0.00	
7 - Test Cell Preparation and Machine Assy									
72 - Control Room Refurbishment									
Job: 7201 - Control Room Walls&Floors-PERRY									
710.001	Block Wall east side control room	02MAY05*	24	03JUN05	1,075		0.00	39,573.60	
711B.050	Complete Control Room Flooring	06JUN05	18	29JUN05	1,075		0.00	8,019.12	
73 - Platform Design & Fabrication									
Job: 7301 - Platform Design & Fab-PERRY									
712.008	Update Platform Specification	02MAY05*	20	27MAY05	1,032		0.00	6,416.80	
712.009	Platform PDR		0	27MAY05*	1,032		0.00	0.00	
712.010	Final Design	31MAY05*	65	30AUG05	1,038		0.00	53,163.80	



Run Date 31MAY05 15:45

PMB Schedule
xECP-30 Baseline
Progress Bar
Critical Activity

0504

NCSX
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AGAINST ECP-30

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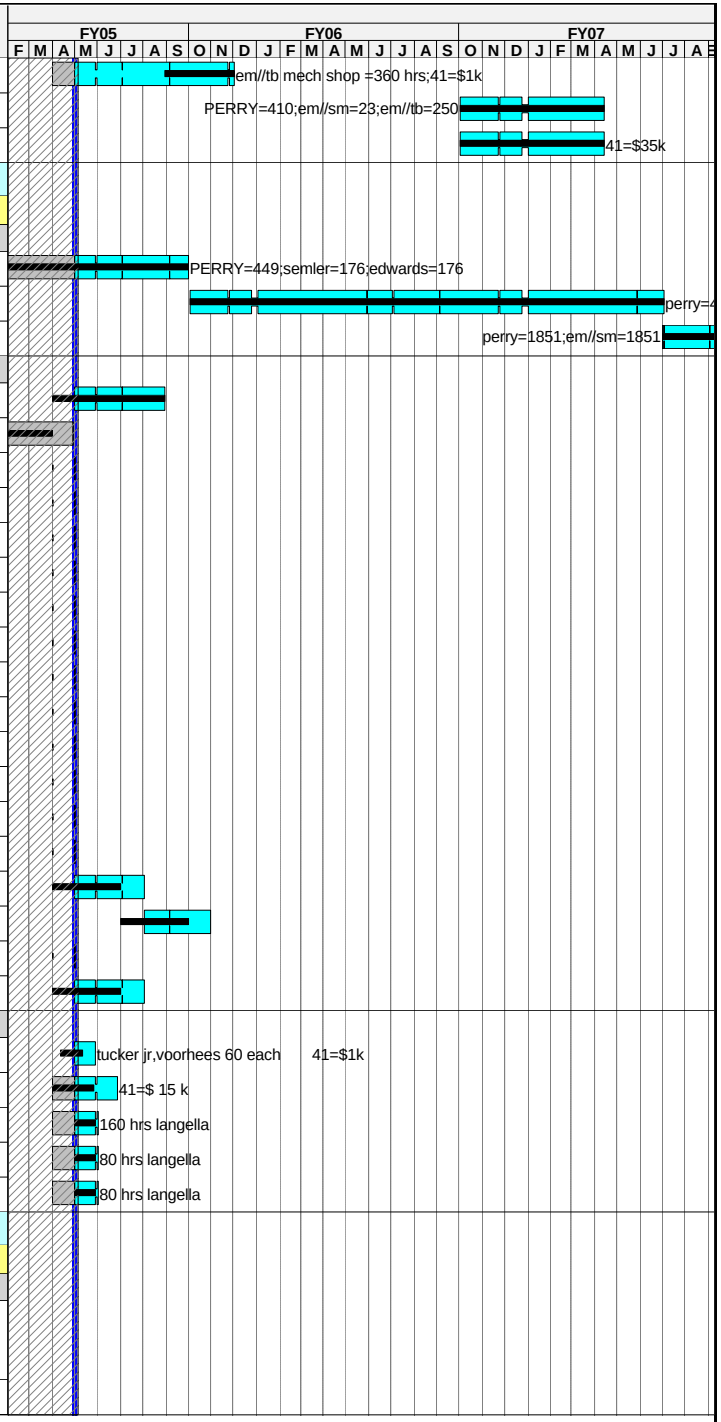
711A.040	Platform nut plates	01APR05A	171*	02DEC05	967	90	26,077.09	28,974.54	
712.020	Platform Parts	02OCT06*	132	13APR07	283		0.00	25,977.42	
712.030	Miscs Hardware/Material	02OCT06*	132	13APR07	283		0.00	48,475.00	
74 - Machine Assembly Planning and Oversight									
Job: 7401 - TC Prep & Mach Assy Planning-PERRY									
Project Scope									
714.010	LOE FY05	01OCT04A	249*	30SEP05	1,010	LOE	62,684.28	109,972.42	
714.020	LOE FY06 prior to assy starting	03OCT05*	436*	02JUL07	574		0.00	124,295.03	
714.030	LOE FY07 thru first plasma	02JUL07*	444*	31MAR09	131		0.00	865,203.33	
FED/Infrastructure Support (non Project cost)									
613.017	Install New Bottom Course **GPP**	02MAY05*	85*	30AUG05	1,038		0.00	0.00	
GPP004	GPP-Roofing Design	01APR04A	270*				0.00	0.00	
GPP004.1	GPP-Roofing Install	02MAY05*	0*	29APR05	1,117		0.00	0.00	
GPP005.1	GPP-Test Cell lighting Install ***TBD***	02MAY05	0	29APR05	1,117		0.00	0.00	
GPP006	GPP-Test Cell HVAC/dew point control Design*TBD	02MAY05	0	29APR05	1,117		0.00	0.00	
GPP006.1	GPP-Test Cell HVAC/dew point control InstallTBD	02MAY05*	0	29APR05	1,117		0.00	0.00	
GPP007	GPP-C-Site elevators Design	02MAY05*	0*	29APR05	1,117		0.00	0.00	
GPP007.1	GPP-C-Site elevators Install	02MAY05	0	29APR05	1,117		0.00	0.00	
GPP008	GPP-Fire suppression high bay design*TBD*	02MAY05	0	29APR05	1,117		0.00	0.00	
GPP008.1	GPP-Fire suppression high bay install*TBD*	02MAY05	0	29APR05	1,117		0.00	0.00	
GPP009	Control Room Lights & Outlets design*TBD*	02MAY05	0	29APR05	1,053		0.00	0.00	
GPP009.1	Control Room Lights & Outlets install*TBD*	02MAY05	0	29APR05	1,053		0.00	0.00	
GPP010	Control Room HVAC Design **TBD**	02MAY05	0	29APR05	1,053		0.00	0.00	
GPP010.1	Control Room HVAC Install **TBD**	02MAY05	0	29APR05	1,053		0.00	0.00	
GPP011	Control Room Ceiling Design	02MAY05*	64	01AUG05	989		0.00	0.00	
GPP011.1	Control Room Ceiling Install	02AUG05	64	31OCT05	989		0.00	0.00	
GPP012	Control Rm Fire Detection & Suppression Design	02MAY05*	0*	29APR05	989		0.00	0.00	
GPP012.1	Control RmFire Detection & Suppression Install	02MAY05	64	01AUG05	989		0.00	0.00	
Test Cell Modifications & Upgrades									
613.030	Test Cell copper ground plane cuts	02MAY05*	20*	27MAY05	1,103		0.00	10,223.40	
713.010	General procurements	02APR05A	60*	27JUN05	1,083	LOE	6,398.60	19,215.00	
7502-001	Test Cell 110v outlets	01APR05A	43*	01JUN05	1,095	50	8,401.60	16,803.20	
7502-002	Test Cell 208v outlets	01APR05A	43*	01JUN05	1,095	50	4,200.80	8,401.60	
7502-010	Ready Rooms (under control room) 110v outlets	01APR05A	43*	01JUN05	969	50	4,200.80	8,401.60	
75 - Test Cell and Basement Assembly Operations									
7501 - Construction Support Crew									
7501-05	Construction Support Crew during machine assy	01OCT07*	260	13OCT08	164		0.00	855,212.25	
7501-06	Construction Support Crew during e-beam mapping	14JAN09*	41	11MAR09	145		0.00	99,710.51	



Run Date 31MAY05 15:45

PMB Schedule
xECP-30 Baseline
Progress Bar
Critical Activity

0504

NCSX
STATUS THROUGH APRIL 30
AGAINST ECP-30

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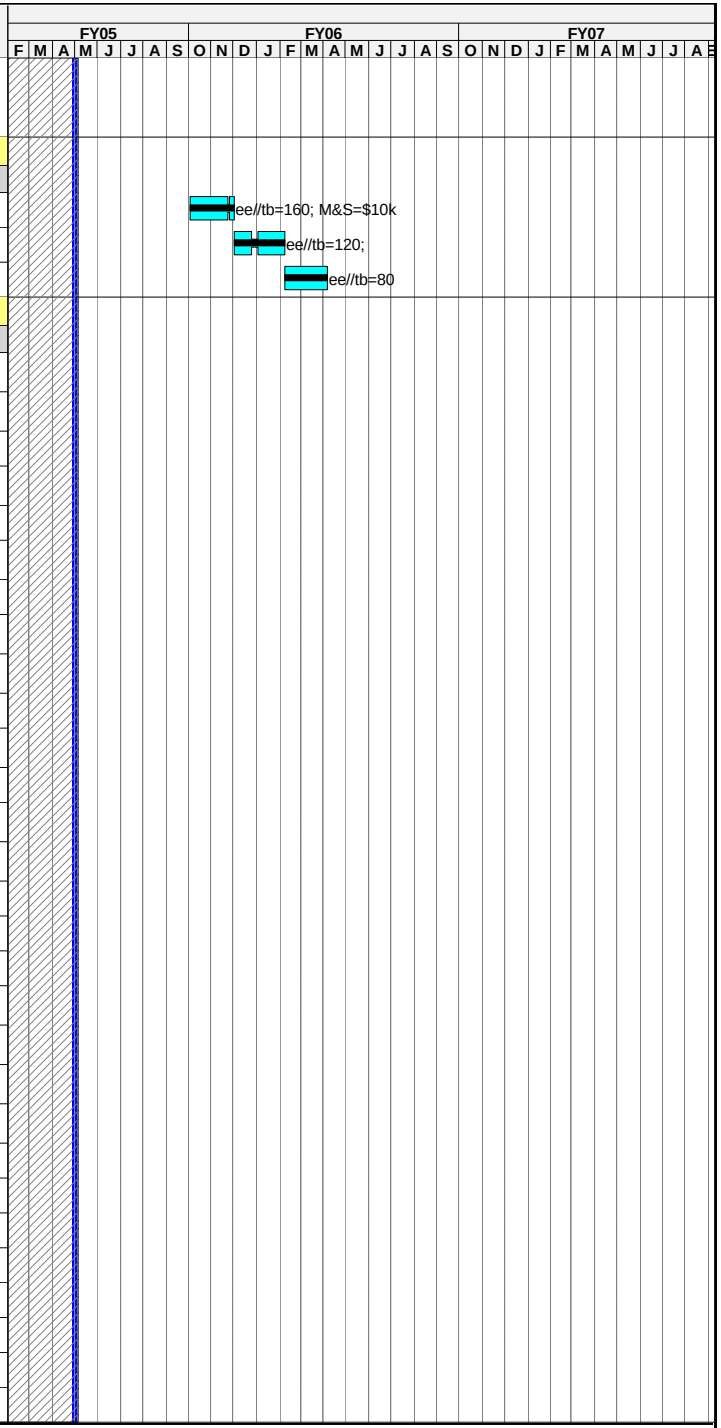
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	ECP-30 Budget	ETC
7501-07	Construction Support Crew during cryostat instl	05NOV08*	40	30DEC08	196		0.00	99,420.88	
7502 - Test Cell Facility Preparations									
7502-020	Resurface TC floor	03OCT05*	42	01DEC05	884		0.00	33,625.20	
7502-030	TC Floor firesealing	02DEC05	42	07FEB06	884		0.00	14,126.40	
7502-035	Control room firesealing	08FEB06	42	06APR06	884		0.00	9,417.60	
7503 - Machine Assembly									
Revised Assembly Logic (ecp18)									
7503-020	Install & Level Support Base Plates	01OCT07	15	19OCT07	231		0.00	69,152.40	
7503-030	Install/Level FPA's and Spool Piece supports	22OCT07	30	04DEC07	231		0.00	138,304.80	
7503-060	Install Lower PF 4,5&6 into prelim position	18APR08	2	21APR08	154		0.00	4,830.08	
7503-070	Install 3 Spool Pieces on fixt & test movement	05DEC07	10	18DEC07	231		0.00	46,101.60	
7503-080	FPA-1 Installed on support platform		0	18DEC07	231		0.00	0.00	
7503-090	Install local Platforms around FPA-1	19DEC07	10	10JAN08	232		0.00	46,101.60	
7503-110	FPA-2 Installed on support platform		0	19MAR08	172		0.00	0.00	
7503-120	Test movement of FPA-1& -2 & position checks.	20MAR08	5	26MAR08	172		0.00	23,050.80	
7503-130	Install local Platforms around FPA-2	20MAR08	3	24MAR08	180		0.00	46,101.60	
7503-150	FPA-3 Installed on support platform		0	24JUN08	108		0.00	0.00	
7503-160	Position all FPA's / Spool Pieces @ MC Interface	25JUN08	6	02JUL08	108		0.00	27,660.96	
7503-170	FPA Metrology Checks to Assure Alignment	03JUL08	3	07JUL08	108		0.00	3,397.56	
7503-190	Install local Platforms around FPA-3	08JUL08	10	21JUL08	108		0.00	46,101.60	
7503-180	MC Interfaces: shim, ream holes ,bolt together	22JUL08	15	11AUG08	108		0.00	90,404.40	
7503-200	Mate-up and weld all VV-to-Spool interfaces	12AUG08	15	01SEP08	108		0.00	78,729.60	
7503-240	Bolt on preassembled pump duct	02SEP08	5	08SEP08	108		0.00	19,159.20	
7503-260	PTP Pumpdown & leak check VV	09SEP08	10	22SEP08	115		0.00	52,486.40	
7503-210	Fit-up all TF coils	02SEP08	10	15SEP08	108		0.00	60,269.60	
7503-270	Raise lower PF 4,5&6 coils into final position	16SEP08	6	23SEP08	108		0.00	27,660.96	
7503-280	Install Upper PF 4,5 & 6 coils	24SEP08	6	01OCT08	108		0.00	27,826.64	
7503-290	Install PF Solenoid into position (U/L PF1,2,3)	02OCT08	4	07OCT08	108		0.00	19,103.36	
7503-310	Complete LN2 connections	08OCT08	10	21OCT08	118		0.00	39,695.20	
7503-320	Complete Elect Pwr connections	08OCT08	20	04NOV08	108		0.00	108,744.00	
7503-321	Complete mag diag & machine I&C	08OCT08	20	04NOV08	108		0.00	50,036.80	
7503-340	Install Cryostat Base, vapor barrie& port boots	05NOV08	10	18NOV08	108		0.00	39,695.20	
7503-350	Install Cryostat upper section,VB and port boots	19NOV08	10	02DEC08	108		0.00	39,695.20	
7503-360	Install Midplane Cryostat sections and port boot	03DEC08	15	23DEC08	108		0.00	59,542.80	
7503-370	Install Cryostat Circulation Duct	24DEC08	5	30DEC08	108		0.00	19,847.60	
730.8200Z	PTP and Cooldown (dup of 730.8200)	31DEC08	10	13JAN09	186		0.00	0.00	



Run Date 31MAY05 15:45

PMB Schedule
xECP-30 Baseline
Progress Bar
Critical Activity

0504

NCSX
STATUS THROUGH APRIL 30
AGAINST ECP-30

Actual Completions Suppressed

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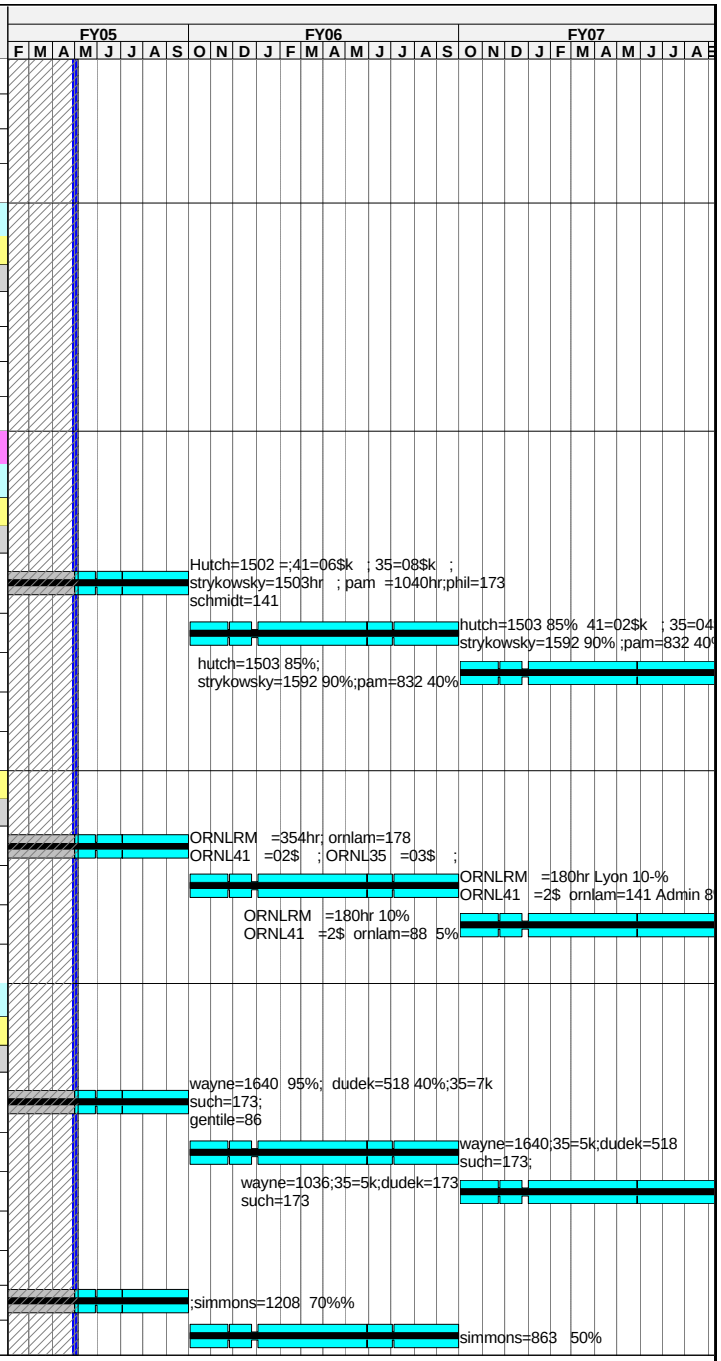
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	ECP-30 Budget	ETC
730.1248	ACC Review	26NOV08	20	23DEC08	108		0.00	0.00	
730.1249	PSO Operational Readiness Assessment	24DEC08	5	30DEC08	108		0.00	0.00	
730.1250	PSO Operational Readiness Assessment		0	30DEC08	108		0.00	0.00	
730.8200	PTP and Cooldown	31DEC08	10	13JAN09	108		0.00	70,169.60	
76 - Tooling Design & Fabrication									
Job: 7601 - Tooling Design & Fabrication									
713.020	Lab Fab/Assy/Installation	01OCT07*	341*	30JAN09	173		0.00	33,191.75	
713.030	Tooling,assy fixtures,misc equipt	01OCT07*	341*	30JAN09	173		0.00	84,851.61	
713.040	General procurements	01OCT07*	341*	30JAN09	173		0.00	63,638.71	
713.050	Welding tools, materials & equipt	01OCT07*	341*	30JAN09	173		0.00	56,567.74	
8 - Project Oversight and Support									
81 - Project Management and Control									
Job: 8101 - Project Management & Control-NEILSON									
810.003	Project Management Office PPPL FY05	01OCT04A	251*	30SEP05	1,015	LOE	408,353.66	696,116.95	
810.004	Project Management Office PPPL FY06	03OCT05*	250*	29SEP06	765		0.00	698,791.02	
810.005	Project Management OfficePPPL FY07	02OCT06*	251*	28SEP07	514		0.00	682,074.19	
810.900	Project Management Office PPPL FY08	01OCT07*	253*	30SEP08	261		0.00	576,229.66	
810.909	Project Management Office PPPL FY09	01OCT08*	173*	29MAY09	88		0.00	196,534.17	
Job: 8102 - NCSX MIE Management ORNL-LYON									
810.103	Project Management Office ORNL FY05	01OCT04A	251*	30SEP05	1,015	LOE	54,360.32	95,368.98	
810.104	Project Management Office ORNL FY06	03OCT05*	250*	29SEP06	514		0.00	57,354.87	
810.104X	Project Management Office ORNL FY07	02OCT06	251*	28SEP07	514		0.00	50,514.32	
810.105X	Project Management Office ORNL FY08	02OCT07*	251*	29SEP08	262		0.00	36,664.00	
82 - Project Engineering									
Job: 8202 - Engr Mgmt & Sys Eng Support-REIERSEN									
820.003	Proj engr FY05	01OCT04A	251*	30SEP05	1,015	LOE	288,329.69	469,631.02	
820.004	Proj engr FY06	03OCT05*	250*	29SEP06	765		0.00	419,347.10	
820.04X	Proj engr FY07	02OCT06*	248*	25SEP07	517		0.00	251,952.55	
820.004Z	Proj engr FY08	02OCT07*	249*	25SEP08	264		0.00	260,851.29	
820.005	Proj engr FY09	01OCT08*	173*	29MAY09	88		0.00	110,058.44	
8205FY05	System Engr Support FY05	01OCT04A	251*	30SEP05	1,015	LOE	113,784.54	199,622.00	
8205FY06	Systems Engineering Support FY06	03OCT05*	250*	29SEP06	765		0.00	158,420.91	



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xECP-30 Baseline
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0504

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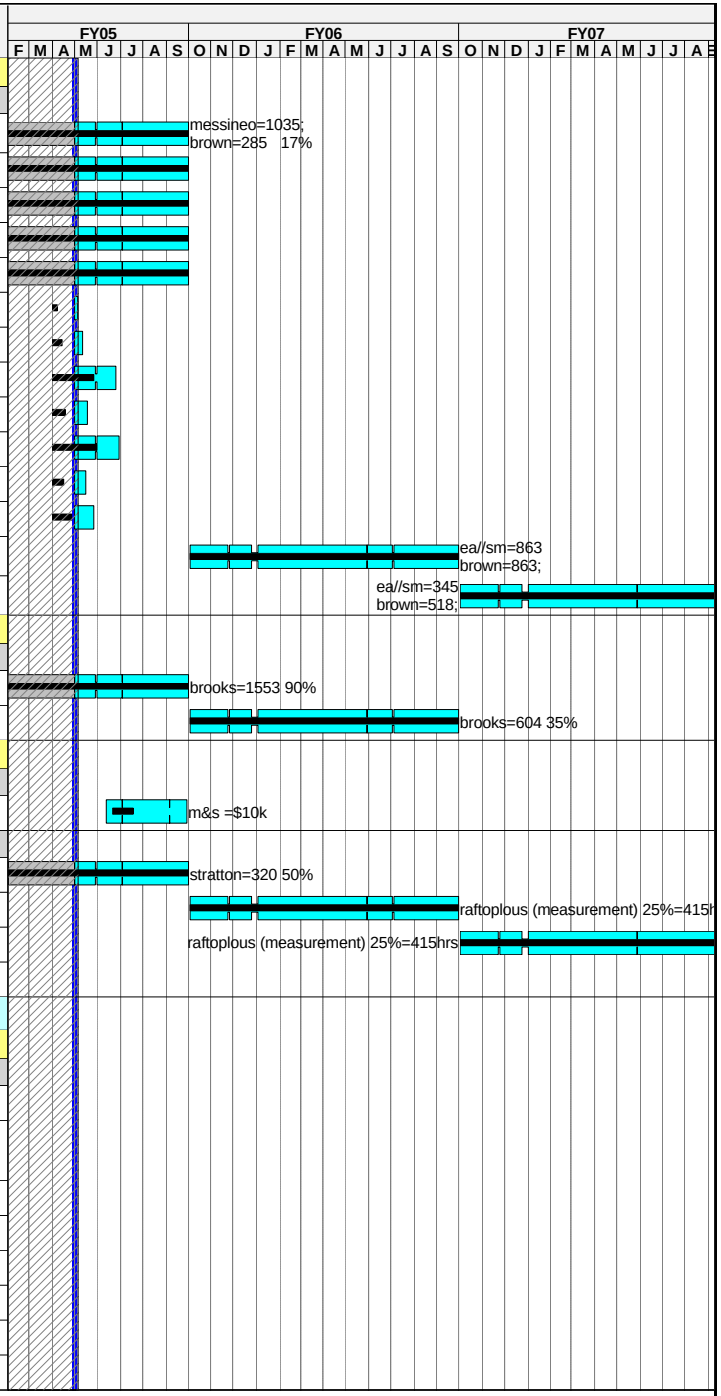
Job: 8203 - Design Integration-BROWN									
8203FY05	Design Integration FY05 LOE	01OCT04A	251*	30SEP05	1,015		105,226.24	171,028.50	
8203-01	General Design Integration	01OCT04A	251*	30SEP05	1,015	LOE	0.00	0.00	
8203-02	Suprt interface aux sys dev&coolant/lead routing	01OCT04A	251*	30SEP05	1,015	LOE	0.00	0.00	
8203-03	Develop /maintain Pro/E model of NCSX facility	01OCT04A	251*	30SEP05	1,015	LOE	0.00	0.00	
8203-04	Support metrology efforts	01OCT04A	251*	30SEP05	1,015	LOE	0.00	0.00	
8203-06	Complt rvw of machine assembly approach	02MAY05*	4	05MAY05	1,119		0.00	0.00	
8203-07	Rvw cryostat & conventional magnet sys design	02MAY05*	9	12MAY05	1,114		0.00	0.00	
8203-08	tollerance reqmnts for MCsuprt install fixt dwgs	02MAY05*	39	24JUN05	1,084		0.00	0.00	
8203-09	Machine suprt dsn f/compatibility with assy reqt	02MAY05*	12	17MAY05	1,111		0.00	0.00	
8203-10	Dynamic simul MC half period install fixt w/ Pro	02MAY05*	42	29JUN05	1,081		0.00	0.00	
8203-11	Document NCSX Interlink& dwg control process	02MAY05*	11	16MAY05	1,112		0.00	0.00	
8203-12	Update definition VV spool piece assy simul	02MAY05*	19	26MAY05	1,104		0.00	0.00	
8203FY06	Design Integration FY06	03OCT05*	250*	29SEP06	765		0.00	256,544.01	
8203FY07	Design Integration FY07	02OCT06*	252*	01OCT07	513		0.00	137,444.25	
Job: 8204 - Systems Analysis-BROOKS									
8204FY05	Systems Analysis FY05	01OCT04A	251*	30SEP05	1,015	LOE	146,280.95	256,633.25	
8204FY06	Systems Analysis FY06	03OCT05*	250*	29SEP06	765		0.00	110,876.28	
Job: 8205 - Dimensional Control Coordination									
Metrology									
740.135	Gary Puhl subcontract for metrology support	13JUN05	77	29SEP05	1,011		0.00	12,810.00	
METFY05	Dimensional control FY05 ECP24	01FEB05A	172*	30SEP05	1,015	LOE	35,953.37	96,648.84	
METFY06R	Metrology for FP & machine assy FY06	03OCT05*	250*	29SEP06	765		0.00	76,181.55	
METFY07R	Metrology for FP & machine assy FY07	03OCT06*	251*	01OCT07	513		0.00	78,268.30	
METFY08R	Metrology for FP & machine assy FY08	03OCT07*	250*	29SEP08	262		0.00	80,750.70	
85 - Integrated Systems Testing									
920.001	Procedure and Document Preparation	11JAN08*	250	30DEC08	108		0.00	482,604.96	
920.000	Startup Personnel	24NOV08	72	03MAR09	108		0.00	706,501.81	
920.005	Punch list,Cmplt PTP's,Reconfig, Rm temp Hi-pot	24NOV08	37	13JAN09	108		0.00	0.00	
920.010	Field Coil Testsing,FCPC test & E-Beam Mapping	14JAN09	25	17FEB09	108		0.00	0.00	
920.020	Final ISTP	18FEB09	7	26FEB09	108		0.00	0.00	
920.021	Operations Approval	27FEB09	3	03MAR09	108		0.00	0.00	
730.9000	First Plasma		0	03MAR09	108		0.00	0.00	
M-0120	CD-4 First Plasma		0	31JUL09*	0		0.00	0.00	



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