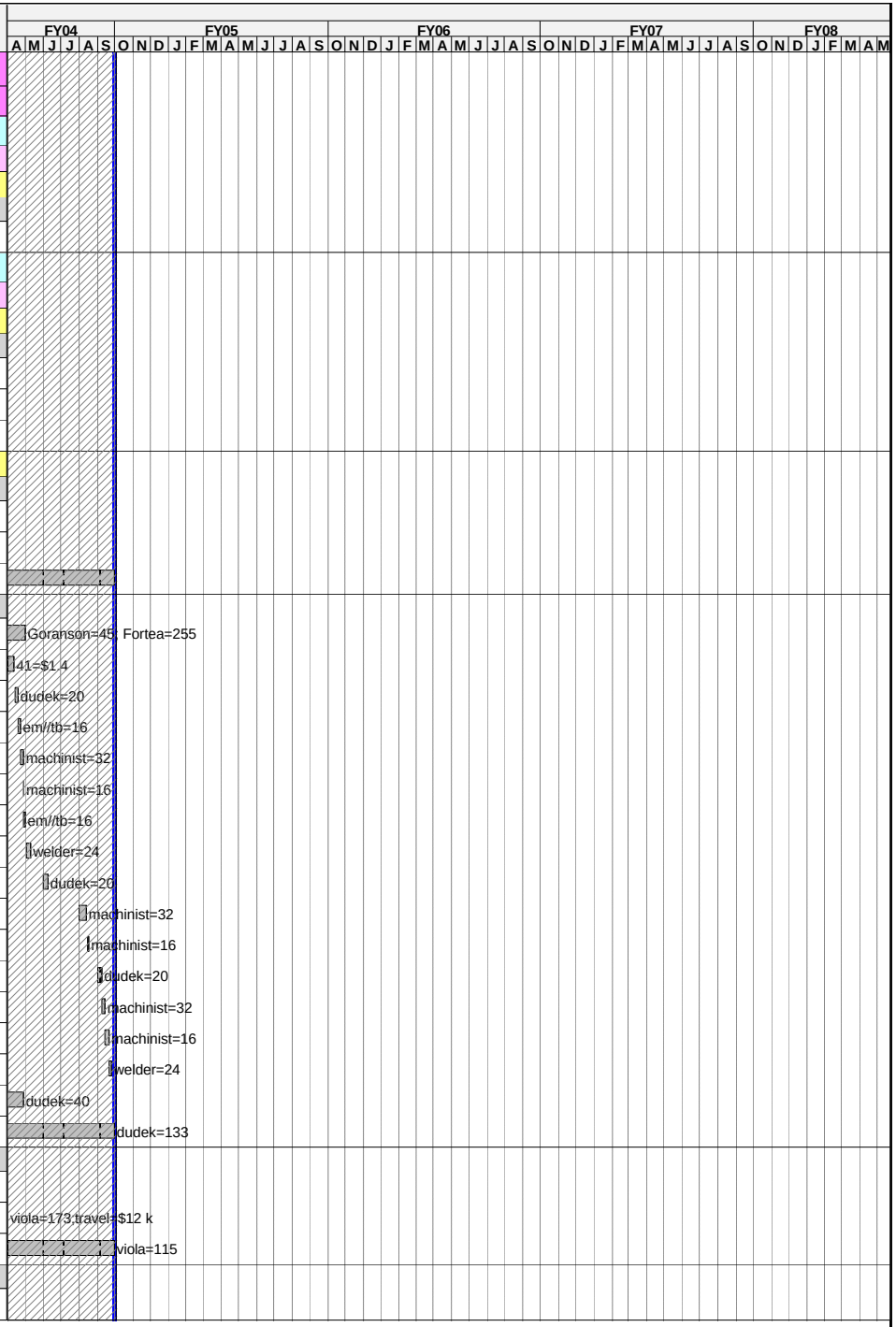
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Budget	contin-gency %
cc 9450 - NCSX Fabrication (MIE)								
1 - Stellarator Core Systems								
11 - In-Vessel Components								
111 - Limiters								
Job: 1101 - Limiter Adv Conc/Prel Dsn-GORANSON								
0000								
1101-100	Update Conceptual Design	**15JUL03A**	*78**	**30SEP03A**		***100***	60.00	0
12 - Vacuum Vessel Systems								
121 - Vacuum Vessel Assembly								
Job: 1201 - Vacuum Vessel Prelim Dsn-GORANSON								
0000								
1201-002	Apr-Sept MIE Cost ORNL	**01APR03A**	*47*	**30SEP03A**		***100***	319,050.00	0
1201-003	Apr-MSept MIE Cost PPPL	**01APR03A**	*47*	**30SEP03A**		***100***	105,370.00	0
1201-500	WBS 12 & 14 PDR		*0*	**07OCT03A**		***100***	0.00	0
Job: 1202 - Vacuum Vessel R&D - DUDEK								
0000								
1202-002	Apr-Sept MIE Cost ORNL	**01APR03A**	*47*	**30SEP03A**		***100***	60.00	0
1202-003	Apr-Sept MIE Cost PPPL	**01APR03A**	*47*	**30SEP03A**		***100***	128,340.00	0
1202-ECP16	ecp-16	**01OCT03A**	*47*	**30SEP04A**		***100***	14,600.00	0
Vessel Weld Joint R&D								
1203-405	Field Weld joint design and Specific spool piece	**01DEC03A**	*107**	**30APR04A**		***100***	38,607.00	40
1202-800	Inconnel Procurement *ECP6*	**01APR04A**	*10*	**09APR04A**		***100***	1,783.60	40
1202-803	Drawings for Arc/Samples *ECP6*	**12APR04A**	*10*	**16APR04A**		***100***	3,230.00	40
1202-806	Waterjet Arcs *ECP6*	**19APR04A**	*2*	**22APR04A**		***100***	1,228.80	40
1202-809	Machine weld groove *ECP6*	**23APR04A**	*5*	**26APR04A**		***100***	3,369.60	40
1202-812	Anneal Samples *ECP6*	**27APR04A**	*2*	**28APR04A**		***100***	1,684.80	40
1202-815	Setup weld test *ECP6*	**29APR04A**	*4*	**30APR04A**		***100***	1,228.80	40
1202-818	Weld samples *ECP6*	**03MAY04A**	*6*	**10MAY04A**		***100***	2,527.20	40
1202-821	Eval & Redesign Joint iteration 2 *ECP6*	**01JUN04A**	*5*	**07JUN04A**		***100***	3,230.00	40
1202-824	Machine iteration 2 *ECP6*	**02AUG04A**	*10**	**13AUG04A**		***100***	3,369.60	40
1202-827	Anneal iteration 2 *ECP6*	**16AUG04A**	*2*	**17AUG04A**		***100***	1,684.80	40
1202-833	Eval & redesign joint iteration 3 *ECP6*	**01SEP04A**	*4*	**07SEP04A**		***100***	3,230.00	40
1202-836	Machine iteration 3 *ECP6*	**08SEP04A**	*4*	**13SEP04A**		***100***	3,369.60	40
1202-839	Anneal iteration 3 *ECP6*	**14SEP04A**	*5*	**20SEP04A**		***100***	1,684.80	40
1202-842	Weld iteration 3 *ECP6*	**21SEP04A**	*4*	**24SEP04A**		***100***	2,527.20	40
1202-845	SOW for full size test sample *ECP6*	**24MAR04A**	*28**	**28APR04A**		***100***	6,460.00	40
1202-866	Engineering Oversght *ECP6*	**03MAR04A**	*149**	**30SEP04A**		***100***	18,249.50	40
VV Subcontractor Oversight								
1202-400	Oversight and Contract Management	**01OCT03A**	*79**	**02JAN04A**		***LOE***	62,738.00	40
1202-401	Oversight and Contract Management	**05JAN04A**	*63**	**31MAR04A**		***LOE***	48,687.50	40
1202-402	Oversight and Contract Management	**01APR04A**	*128**	**30SEP04A**		***LOE***	18,572.50	40
Major Tool Subcontract (S04344F)								
1202-303	MT-Issue VVSA MIT/QA plans and C&S Est (3.1)	**02JUN03A**	*0**	**13JUN03A**		***100***	17,153.60	0



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CD-3 Proposed Baseline
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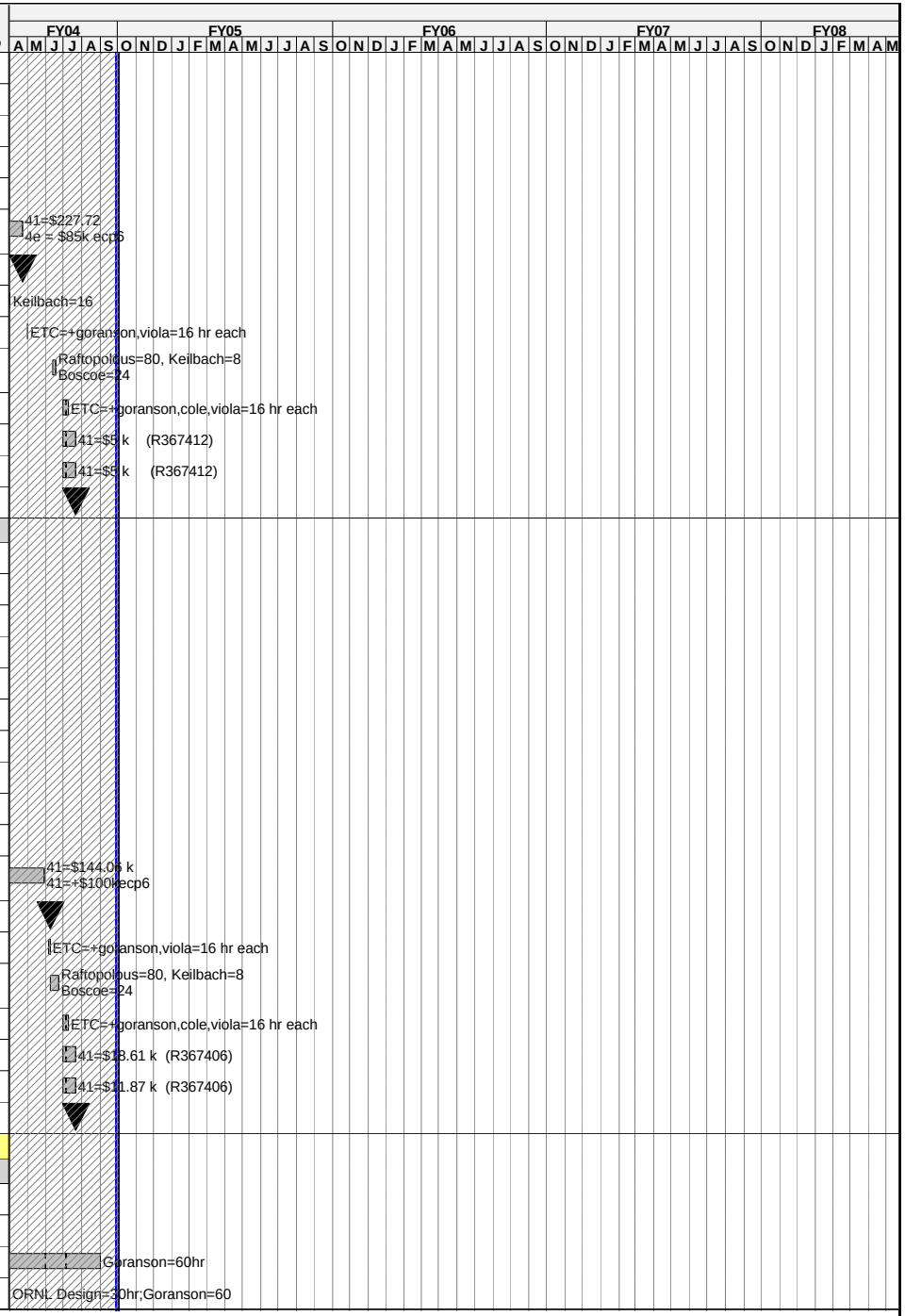
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Budget	contin-gency %
1202-305	MT-Issue Draft MIT/QA plan (3.2.1)	13JUN03A	15	27JUN03A		100	10,050.56	0
1202-310	MT-Incorp Comments & Reissue MIT/QA Plan (3.2.1)	10JUL03A	0*	17JUL03A		100	0.00	0
1202-315	Fiinalize SOW/contract & Release MT for PVVS Fab	18JUL03A	52*	15AUG03A		100	0.00	0
1202-320	MT-PPPL Fabrication Release		0	15AUG03A		100	0.00	0
1202-324	MT-PVVS Begin Fabrication (3.2.2)	18AUG03A	56*	30SEP03A		100	368,464.16	0
1202-325	MT-PVVS Complete Fabrication (3.2.2) [A/ 1]	10NOV03A	122*	23APR04A		100	375,115.28	40
1202-325.1	Major Tool VVSA Prototype Received		0	23APR04A		100	0.00	40
1202-325A	Vist MT for welding	01APR04A	3	01APR04A		100	2,584.00	40
1202-326	Prep Inspection Plan for MT PVVS	30APR04A	5	30APR04A		100	0.00	40
1202-327	PPPL Receipt Inspection of MT PVVS	14JUN04A	5	18JUN04A		100	14,148.00	40
1202-328	Prep Inspection Report of MT PVVS	01JUL04A	5	08JUL04A		100	0.00	40
1202-330	MT-Final MIT/QA plans for VVSA (3.3.1)	01JUL04A	15*	22JUL04A		100	6,370.00	40
1202-335	MT-Firm Fixed Price Proposal for VVSA (3.3.2)	01JUL04A	15*	22JUL04A		100	6,370.00	40
1202-335.1	Major Tool VVSA Price Proposal Received		0	22JUL04A		100	0.00	40
Rohwedder Subcontract (S04345F)								
1202-403	RW-Issue VVSA MIT/QA plans and C&S Est (3.1)	02JUN03A	0*	13JUN03A		100	71,888.08	0
1202-405	RW-Issue Draft MIT/QA plan (3.2.1)	13JUN03A	76*	27JUN03A		100	19,352.16	0
1202-410	RW-Incorp Comments&Reissue MIT/QA Plan (3.2.1)	10JUL03A	0*	17JUL03A		100	0.00	0
1202-415	Fiinalize SOW/contract & Release MT for PVVS Fab	18JUL03A	52*	15AUG03A		100	0.00	0
1202-420	RW-PPPL Fabrication Release		0	15AUG03A		100	0.00	0
1202-424	RW-PVVS Begin Fabrication (3.2.2)	18AUG03A	131*	30SEP03A		100	143,280.88	0
1202-424A	RW identify fabricator	01DEC03A	1	15DEC03A		100	0.00	40
1202-424B	PPPL approve new fabricator	16DEC03A	1	31DEC03A		100	0.00	40
1202-424D	PPPL visit fabricator (Jan)	01JAN04A	2	30JAN04A		100	0.00	40
1202-424E	PPPL visit fabricator (Feb)	01MAR04A	2	31MAR04A		100	0.00	40
1202-425	RW-PVVS Complete Fabrication (3.2.2)	01OCT03A	170	28MAY04A		100	311,059.84	40
1202-425.1	Rohwedder VVSA Prototype Received		0	08JUN04A		100	0.00	40
1202-426	Prep Inspection Plan for RW PVVS	07JUN04A	5	08JUN04A		100	0.00	40
1202-427	PPPL Receipt Inspection of RW PVVS	08JUN04A	10	21JUN04A		100	14,148.00	40
1202-428	Prep Inspection Report of RW PVVS	01JUL04A	5	08JUL04A		100	0.00	40
1202-430	RW-Final MIT/QA plans for VVSA (3.3.1)	01JUL04A	15*	22JUL04A		100	23,709.14	40
1202-435	RW-Firm Fixed Price Proposal for VVSA (3.3.2)	01JUL04A	15*	22JUL04A		100	15,122.38	40
1202-435.1	Rohwedder VVSA Price Proposal Received		0	22JUL04A		100	0.00	40
Job: 1203 - Vacuum Vessel Final Dsn-GORANSON								
Closeout PDR Design Deliverables								
1203-101	Prepare documents for PDR closeout	03NOV03A	62*	30JAN04A		100	7,721.40	40
1203-111	Response to chits, prepare FY04 WP/WAF/Checklist	01OCT03A	25	31OCT03A		100	7,721.40	40
1203-121	Review, revise, and approve SRD	01NOV03A	212*	31AUG04A		100	7,721.40	40
1203-131	Complete preliminary design of insulation and he	10NOV03A	122*	31MAR04A		100	11,582.10	40



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CD-3 Proposed Baseline
Progress Bar
Critical Activity

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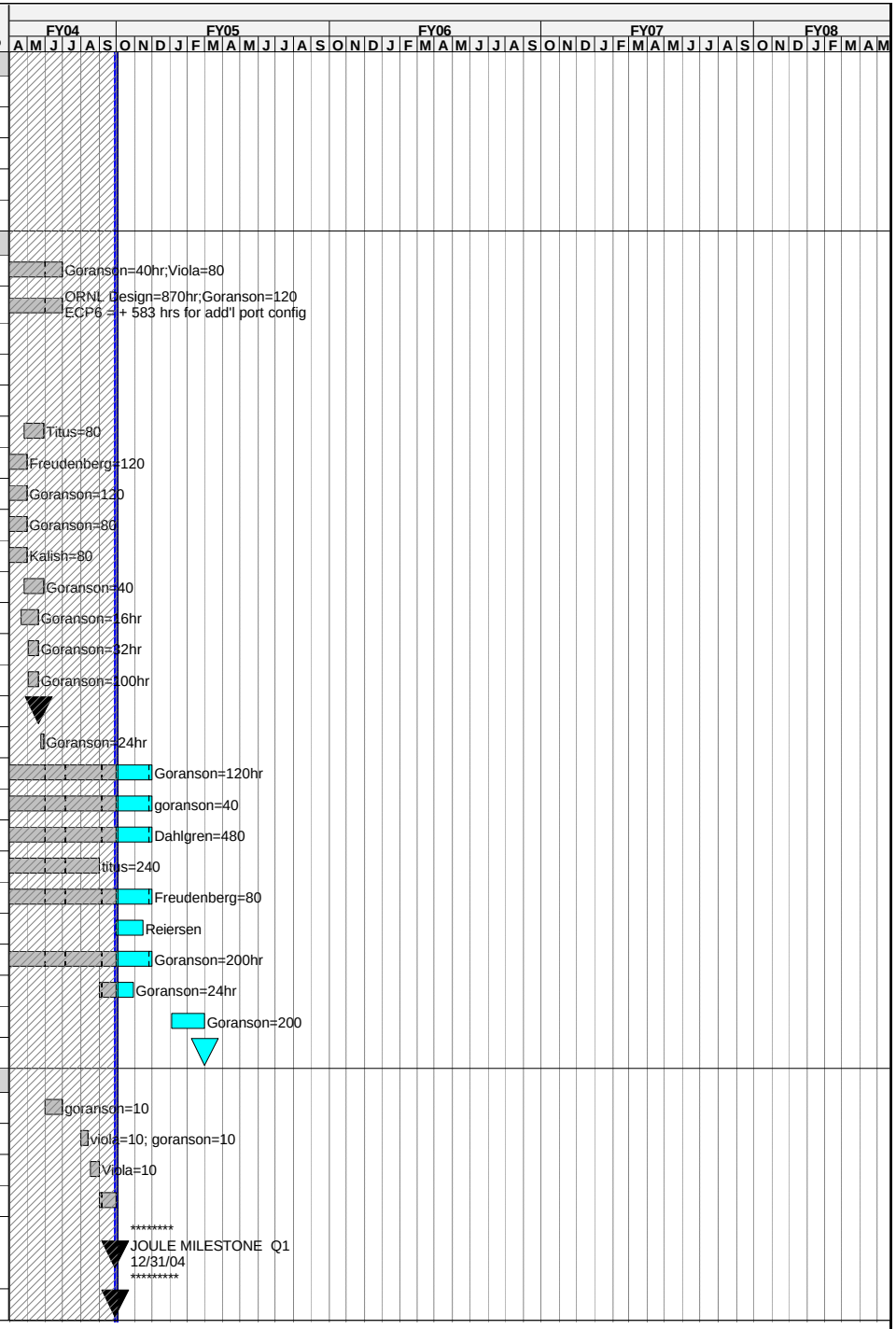
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Budget	contin-gency %
PDR Recommendations								
1203-400	350c Bakeout Study	03NOV03A	94*	31DEC03A		100	25,738.00	40
1203-401	Analysis & testing of tube attachment method	01DEC03A	20	31DEC03A		100	0.00	40
1203-402	Determine thermal expansion vv to mcc clearance	01NOV03A	39*	31DEC03A		100	0.00	40
1203-403	Determine cost of fabrication	01DEC03A	20	31DEC03A		100	0.00	40
1203-404	DECISION TO PROCEED WITH 350c BAKEOUT		0	31DEC03A		100	0.00	40
Final Design Tasks								
1203-141	Finalize Spec for VVSA	01MAR04A	87*	30JUN04A		100	18,067.60	40
1203-151	Update VVSA Drawings incl ECP6 add'l port config	01DEC03A	149*	30JUN04A		100	202,403.63	40
1203-181	Start Thermal Analyses	01NOV03A	82*	30JAN04A		100	23,012.76	40
1203-191	Start Eddy Current Analyses	03NOV03A	87*	30JAN04A		100	3,536.05	40
1203-202	Start Port Nozzle Analysis	02JAN04A	63*	30JAN04A		100	5,142.40	40
1203-233	Check structural analysis	26APR04A	25*	28MAY04A		100	12,638.08	40
1203-235	Perform Local Thermal Analysis	02FEB04A	65*	30APR04A		100	15,442.80	40
1203-236	Checdk Local Thermal Analysis	02FEB04A	65*	30APR04A		100	15,442.80	40
1203-237	Perform Thermal-Hydraulic Analysis VV htg/clng	02FEB04A	65*	30APR04A		100	10,295.20	40
1203-238	Check Thermal-Hydraulic Analysis VV htg/clng	02FEB04A	65*	30APR04A		100	12,856.00	40
1203-240	Check Analysis of VV Supports	26APR04A	25*	28MAY04A		100	5,147.60	40
1203-291	Update Design Basis Document	20APR04A	29*	18MAY04A		100	2,059.04	40
1203-321	Assemble FDR Drawing Package, Check & Promote	03MAY04A	20*	18MAY04A		100	4,118.08	40
1203-331	Prepare Presentations	03MAY04A	20*	18MAY04A		100	12,869.00	40
1203-341	Conduct VVSA FDR		0	19MAY04A		100	0.00	40
1203-311	Prepare Final Design ECP	24MAY04A	10	28MAY04A		100	3,088.56	40
1203-161	Finalize & Sign All ICDs	20NOV03A	262*	01DEC04	333	70	15,799.64	40
1203-201	Update/Perform FMECA Analyses	01MAR04A	192*	30NOV04	334	85	5,306.05	40
1203-232	Structural Analysis of Vac Vsl	01MAR04A	191*	29NOV04	335	98	77,136.00	40
1203-234	Perform Global Seismic Analysis	01MAR04A	151*	31AUG04A		100	37,914.24	40
1203-239	Perform Analysis of VV Supports	01MAR04A	193*	01DEC04	333	95	10,295.20	40
1203-241	Check FMECA Analyses	01OCT04*	32*	15NOV04	343		0.00	40
1203-261	Startup Plan	01OCT03A	298*	01DEC04	333	90	25,738.00	40
1203-301	Update Cost and Schedule Estimates	01SEP04A	42*	29OCT04	1,235	30	3,311.16	40
1203-271	Develop/Confirm & Installation Process	03JAN05*	41*	28FEB05	276		29,448.00	40
1203-900	Compreshensive WBS 12 FDR		0	28FEB05	276		0.00	40
Vacuum Vessel Vendor Selection								
121-6-6	Finalize tech Doc package & Resolve chits	01JUN04A	0*	30JUN04A		100	1,286.90	40
121-6-8	Evaluate and Select VV Production Vendor	01AUG04A	0*	12AUG04A		100	2,901.90	40
121-6-83	Negotiate with vendor	17AUG04A	0*	31AUG04A		100	1,615.00	40
121-6-85	DOE Approve VV Selection & contract	01SEP04A	11	30SEP04A		100	0.00	40
121-6-9	Award VV Production Vendor (Phase funded)		0	27SEP04A		100	0.00	40
121-36-9.2	Release for Fabrication		0	27SEP04A		100	0.00	40



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CD-3 Proposed Baseline
Progress Bar
Critical Activity

EC18

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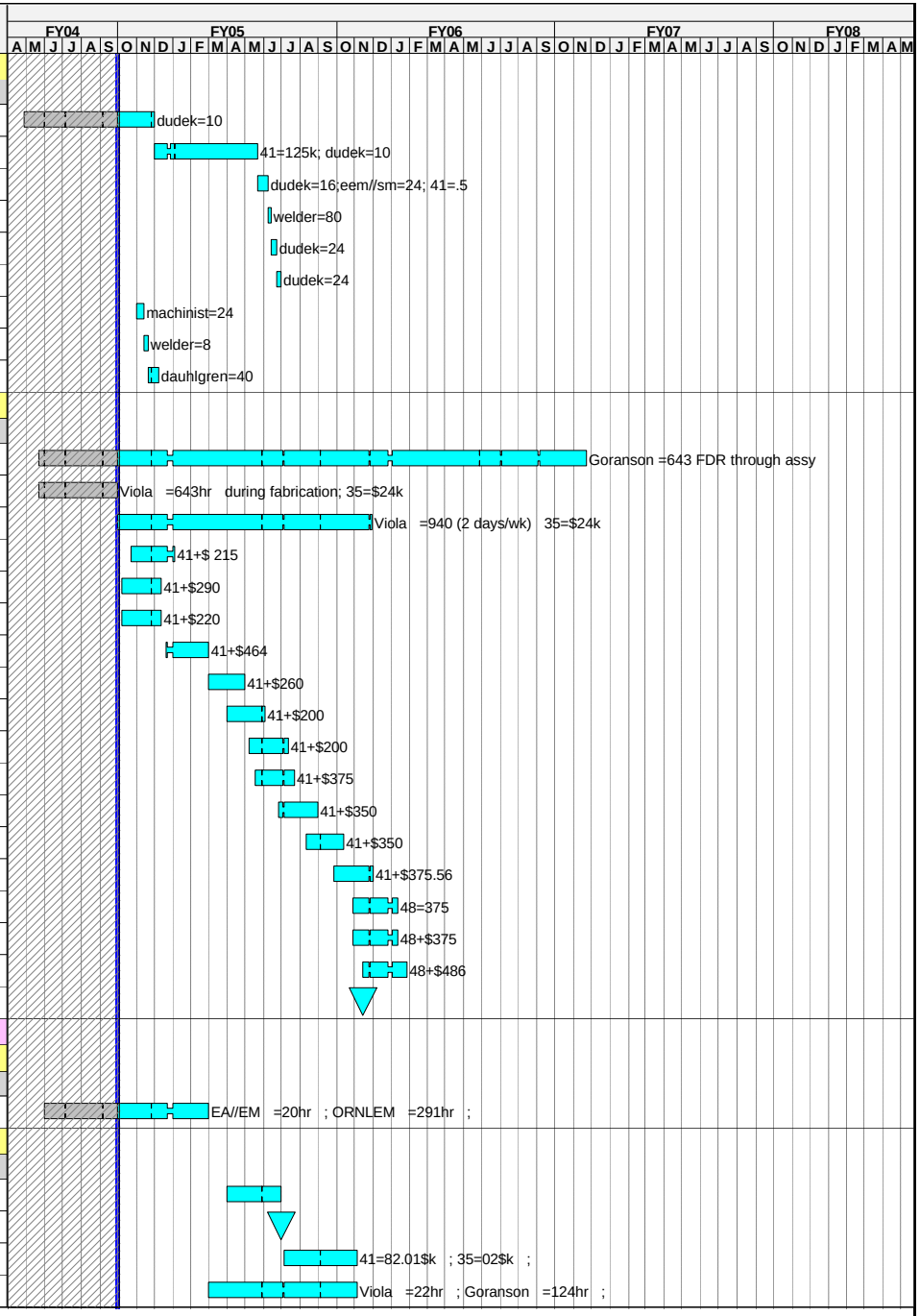
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Budget	contin-gency %
Job: 1206 - VV Field Weld Joint R&D-DUDEK								
Vessel Weld Joint R&D								
1202-848	Bid,eval,award full size test sample *ECP6*	29APR04A	150*	01DEC04	1,101	LOE	1,631.77	40
1202-851	vendor fab & deliver full size sample *ECP6*	02DEC04	120	23MAY05	1,101		175,299.90	40
1202-854	Instrument sample *ECP6*	24MAY05	11	07JUN05	1,101		5,986.50	40
1202-857	Perform welds on sample *ECP6*	08JUN05	5	14JUN05	1,101		8,707.20	40
1202-860	Measure Results *ECP6*	15JUN05	6	22JUN05	1,101		4,019.76	40
1202-863	Report Results *ECP6*	23JUN05	5	29JUN05	1,101		4,019.76	40
1206-100	Prep Sample	01NOV04*	10	12NOV04	1,244		2,612.16	40
1206-110	Weld	15NOV04	5	19NOV04	1,244		636.40	40
1206-115	Analyze	22NOV04	10	07DEC04	1,244		6,715.60	40
Job: 1250 - Vacuum Vessel Fabrication-VIOLA								
121-031	VVSA Title III engr	21MAY04A	628*	22NOV06	720	LOE	93,216.65	40
121-032	VVSA Contract oversight FY04	21MAY04A	386*	30SEP04A		LOE	20,187.50	40
121-033	VVSA Contract oversight FY05 & FY06	01OCT04	289*	28NOV05	967	LOE	199,562.76	40
121-100	S005243 #1-Die Material	22OCT04*	45	04JAN05	1,196		298,635.00	10
121-105	S005243 #2-Vessel material procured	08OCT04*	45	13DEC04	1,206		402,810.00	10
121-110	S005243 #3-Fixture material procured	08OCT04*	45	13DEC04	1,206		220,000.00	10
121-115	S005243 #4-Dies Manufactured	20DEC04*	45	28FEB05	1,157		464,000.00	10
121-120	S005243 #5-1/3 of Vessel plates formed	28FEB05*	45	29APR05	1,113		260,000.00	10
121-125	S005243 #6-Second 1/3 of vsl plates formed	01APR05*	45	03JUN05	1,089		200,000.00	10
121-130	S005243 #7-Last 1/3 of vsl plates formed	09MAY05*	45	12JUL05	1,063		200,000.00	10
121-135	S005243 #8-One VVSA fabricated	19MAY05*	45	22JUL05	1,055		375,000.00	10
121-140	S005243 #9-Second VVSA fabricated	27JUN05*	45	29AUG05	1,029		350,000.00	10
121-145	S005243 #10-Third VVSA fabricated	11AUG05*	45	13OCT05	997		350,000.00	10
121-150	S005243 #11-Receipt/Acceptance of 1st VVSA	28SEP05*	45	01DEC05	140		375,560.00	10
121-155	S005243 #12-Receipt /Acceptance of 2nd VVSA	28OCT05*	45	10JAN06	198		375,000.00	10
121-160	S005243 #13-Receipt/Acceptance of 3rd VVSA	28OCT05*	45	10JAN06	278		375,000.00	10
121-165	S005243 #14-Delivefy of tooling,dies,fixtures	15NOV05*	45	26JAN06	311		486,000.00	10
121-038.1	Vacuum Vessel Delivered		0	14NOV05	311		0.00	10
122 - Vacuum Vessel Thermal Insulation								
Job: 1203 - Vacuum Vessel Final Dsn-GORANSON								
Final Design Tasks								
122-011	Final design WBS 122 Thermal insulation	01JUN04A	185*	28FEB05	276	25	43,631.59	32
Job:1204-VV Sys Procurements (non VVSA)-GORANSON								
122-030	SPEA VV Thermal Insulation	01APR05*	65	01JUL05	165		0.00	30
122-036.9	Award VV Insulation		0	01JUL05	165		0.00	32
122-037	VV Insulation Procurement WBS 122	05JUL05	88	04NOV05	165		109,262.90	32
122-031	Title III engr WBS 122	01MAR05	176	04NOV05	165		21,952.88	32



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CD-3 Proposed Baseline
Progress Bar
Critical Activity

EC18

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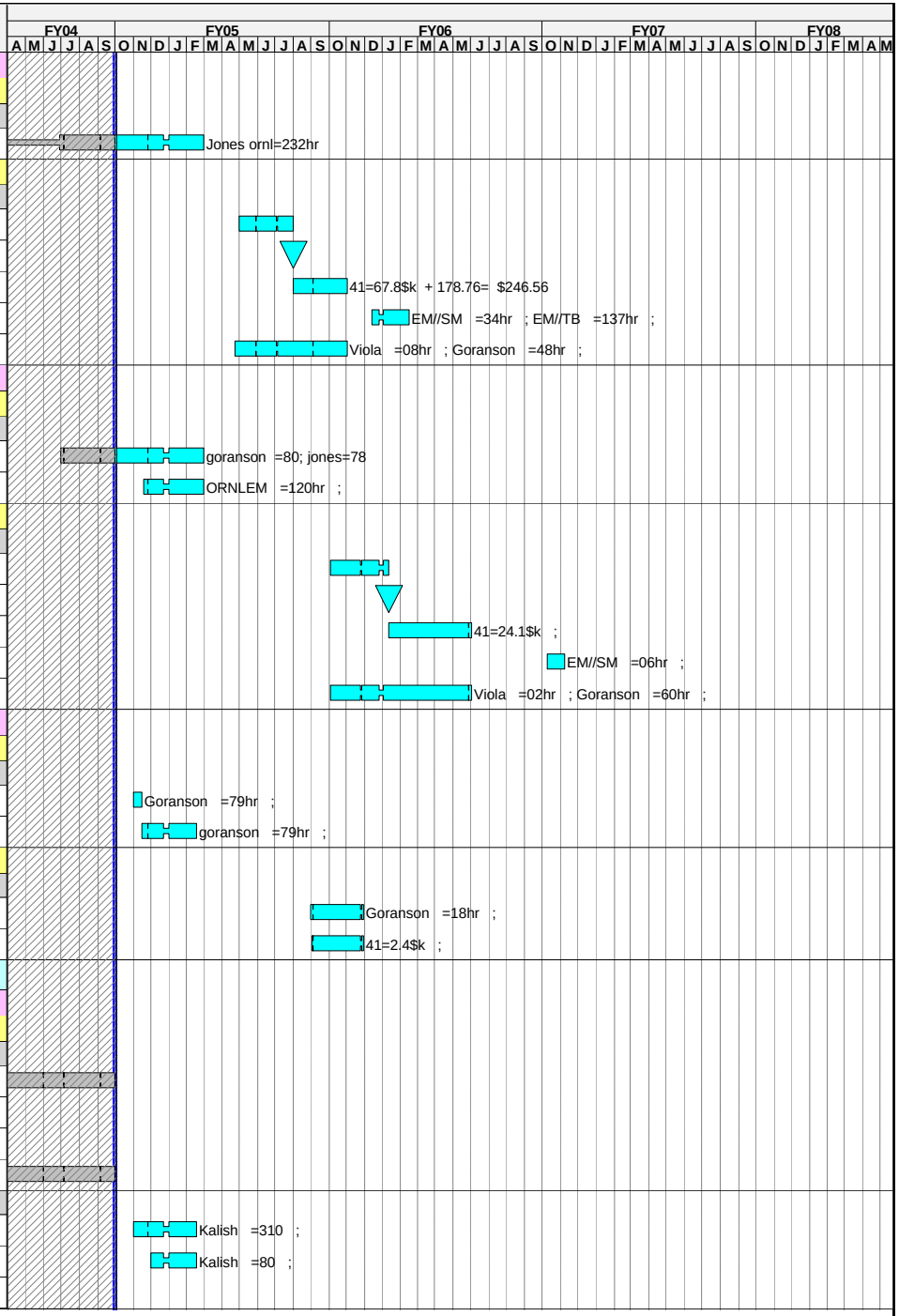
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Budget	contin-gency %
123 - Vacuum Vessel Heating and Cooling Distrib								
Job: 1203 - Vacuum Vessel Final Dsn-GORANSON								
Final Design Tasks								
1203-361	Final Design of Heating/Cooling	03NOV03A	229*	28FEB05	276	50	31,716.59	40
Job:1204-VV Sys Procurements (non VVSA)-GORANSON								
123-030	SPEA VV Heating & Cooling	02MAY05*	65	02AUG05	167		0.00	30
123-036.9	Award VV Heating/Cooling Distribution		0	02AUG05	167		0.00	32
123-037	VV Heating/Cooling Distr Procurement WBS 123	03AUG05	65	02NOV05	167		318,062.40	32
123-041	VV Heating/Cooling Fab/Assy WBS 123	14DEC05	40	15FEB06	140		14,887.44	32
123-031	Title III engr WBS 123	25APR05	135	02NOV05	167		8,411.95	32
124 - Vacuum Vessel Supports								
Job: 1203 - Vacuum Vessel Final Dsn-GORANSON								
Final Design Tasks								
124-011	Final design WBS 124 VV supports	01JUL04A	163*	28FEB05	276	50	22,113.14	30
124-011.1	Lateral VV supports	18NOV04	65	28FEB05	276		23,322.82	30
Job:1204-VV Sys Procurements (non VVSA)-GORANSON								
124-030	SPEA VV Supports	03OCT05*	65	11JAN06	206		0.00	30
124-036.9	Award VV Supports		0	11JAN06	206		0.00	30
124-037	VV Supports Procurement WBS 124	12JAN06	100	01JUN06	206		31,089.00	30
124-041	VV Supports Fab/assy WBS 124	10OCT06	20	06NOV06	117		699.30	30
124-031	Title III engr WBS 124	03OCT05	165	01JUN06	206		9,176.00	30
125 - Vacuum Vessel Local I&C								
Job: 1203 - Vacuum Vessel Final Dsn-GORANSON								
Final Design Tasks								
125-001	Prelim design WBS 125 local I&C	01NOV04*	11*	15NOV04	285		11,631.96	30
125-011	Final design WBS 125 local I&C	16NOV04	58*	15FEB05	285		11,661.41	30
Job:1204-VV Sys Procurements (non VVSA)-GORANSON								
125-015	Title III design Local I&C	01SEP05*	61	29NOV05	158		2,650.32	30
125-037	Procurement Local I&C	02SEP05*	60	29NOV05	158		3,096.00	30
13 - Conventional Coils								
130 - Conventional Coil Design								
Job: 1301 - TF Design-KALISH								
0000								
163-001	Title I design CS sprt struc	01DEC03A	341*	30SEP04A		LOE	46,702.93	32
1301-0002	Apr-Sept MIE Cost ORNL	01APR03A	64*	30SEP03A		100	0.00	0
1301-0003	Apr-Sept MIE Cost PPPL	01APR03A	64*	30SEP03A		100	91,660.00	0
1301-FY04	FY04 cost variance	01OCT03A	64*	30SEP04A		100	27,000.00	0
130-000	TF PDR & FDR Engineering	01NOV04*	69*	15FEB05	1,168		52,045.90	24
133-010	Design WBS 134 Conv Coil I&C	01DEC04*	49*	15FEB05	581		13,431.20	24
1402-004	Subcontract analysis upport for PDR	01OCT03A	41*	26NOV03A		100	5,096.00	0



Run Date **22NOV04 10:31**

CD-3 Proposed Baseline
Progress Bar
Critical Activity

EC18

NCSX
ECP 18

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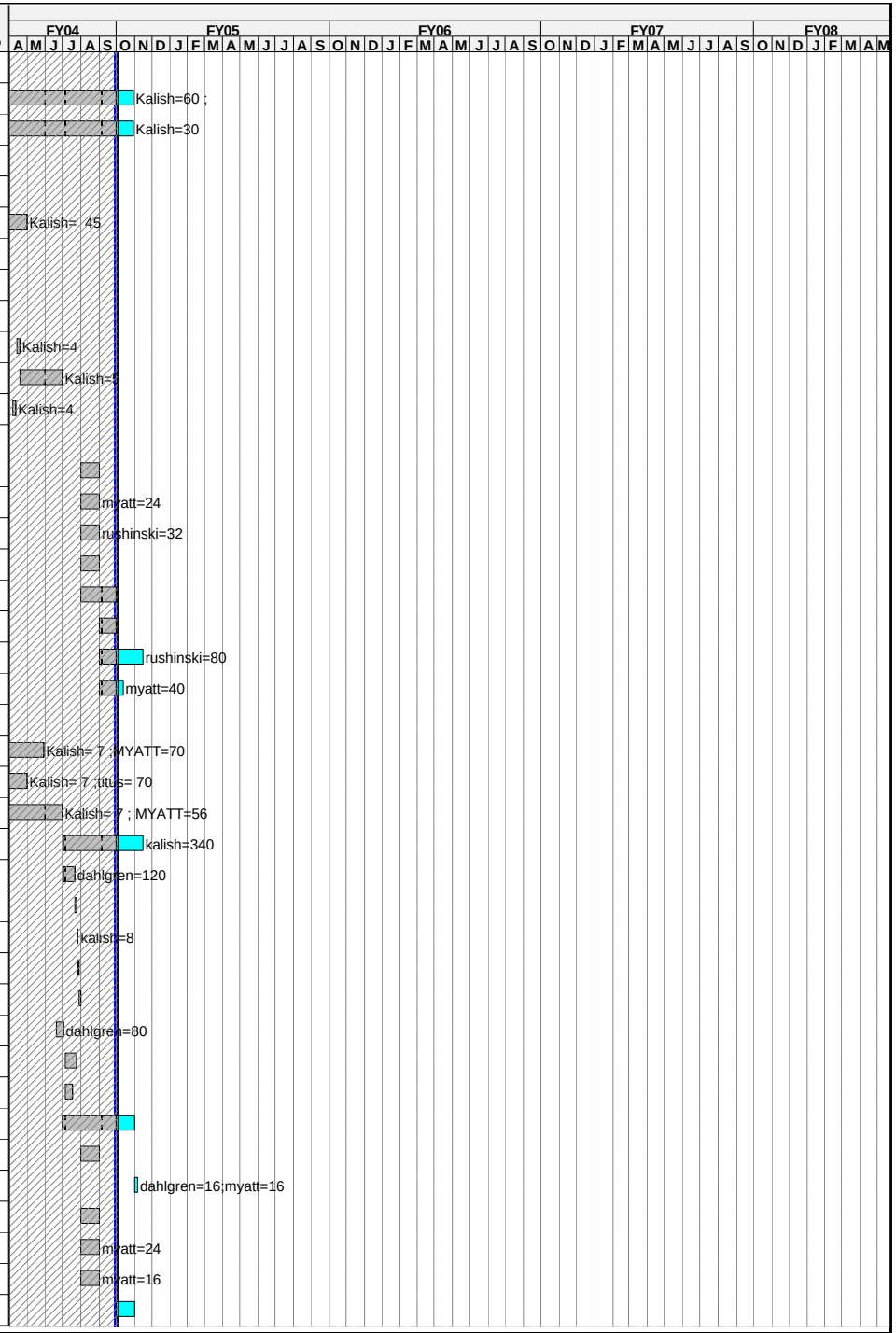
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Budget	contin-gency %
1402-005	VV/MCC PDR support	01OCT03A	37*	31OCT03A		100	4,178.20	0
1301-100	Prepare Scope Sheet to define interfaces	03NOV03A	248*	29OCT04	1,237	65	1,935.71	24
1301-105	Prepare Interface Dwgs for ICD's	01DEC03A	230*	29OCT04	1,237	65	2,904.42	24
1301-140	Complete Draft SOW	02JAN04A	10	15JAN04A		100	4,821.00	24
1301-145	Post Draft SOW on WEB to Solicit Vendr Input	16JAN04A	2	19JAN04A		100	1,285.60	24
1301-150	Vendor Responses	02FEB04A	102*	30APR04A		100	7,231.50	24
1301-155	Trim Coil Layouts	01OCT03A	59*	23DEC03A		100	55,762.90	24
1301-160	Trim Coil Leads	01DEC03A	140*	30JAN04A		100	7,070.80	24
1301-165	PF1-PF3 Support System Layouts	01DEC03A	15	30JAN04A		100	21,373.10	24
1301-300	Investigate Experimental Data *ECP6*	12APR04A	5	16APR04A		100	642.80	24
1301-303	Prepare Test Reqmnts *ECP6*	19APR04A	61*	30JUN04A		100	803.50	24
1301-318	Evaluate 3D glass *ECP6*	05APR04A	5	09APR04A		100	642.80	24
1301-170	New Lead Details	01DEC03A	10	23DEC03A		100	14,141.60	24
1301-175.1	Evaluate Design as Cost Savings	01AUG04A	3	31AUG04A		100	0.00	24
1301-175.2	Revised Design Stress Analysis	02AUG04A	5	31AUG04A		100	3,822.00	24
1301-175.3	Layout New Wedge Concept	02AUG04A	5	31AUG04A		100	5,142.40	24
1301-175.4	Develop Comparison	02AUG04A	4	31AUG04A		100	0.00	24
1301-175.5	Cost Estimate for Wedge Concept	02AUG04A	43*	30SEP04A		100	0.00	24
1301-175.6	Review Revised TF Concept	01SEP04A	1	30SEP04A		100	0.00	24
1301-175.7	Complete PDR Drawings	01SEP04A	53*	15NOV04	209	25	13,203.29	24
1301-175.8	Rerun Analysis	01SEP04A	30*	13OCT04	232	40	6,370.00	24
1301-180	Update ANSYS model & structure	03NOV03A	142*	27FEB04A		100	8,294.62	24
1301-185	FEA Analysis Coils,Stress deflection	01DEC03A	123*	28MAY04A		100	12,272.40	24
1301-195	Seismic Analysis	26NOV03A	104*	30APR04A		100	12,272.40	24
1301-190	FEA Analysis PF Supports,Stress Deflection	01MAR04A	108*	30JUN04A		100	9,817.92	24
1301R-00	Oversight,suprevision,job management	02JUL04A	95*	15NOV04	1,224	LOE	55,461.44	24
1301R-03	ReEvaluate Analysis, Dahlgren	02JUL04A	15	22JUL04A		100	19,284.00	24
1301R-04	Is Insulation Scheme Acceptable ?	23JUL04A	1	23JUL04A		100	0.00	24
1301R-05	Change Insulation Scheme	26JUL04A	1	26JUL04A		100	1,285.60	24
1301R-06	Prepare Test Spec	27JUL04A	3	29JUL04A		100	0.00	24
1301R-17	Insulation Voltage Standoff Evaluation	29JUL04A	2	30JUL04A		100	0.00	24
1301R-22	Hydraulic Analysis	21JUN04A	10	02JUL04A		100	12,856.00	24
1301R-24	Launching Load Evaluation	06JUL04A	15	23JUL04A		100	0.00	24
1301R-28	TF Defelction vs Island Study	05JUL04A	10	16JUL04A		100	0.00	24
1301R-29	Review SRD	30JUN04A	87*	01NOV04	1,234		0.00	24
1301R-19	Add New Pusher Support Stucture	01AUG04A	2	31AUG04A		100	0.00	24
1301R-23	Document and Summerize Analysis	01NOV04*	5	05NOV04	210		5,234.24	24
1301R-25	Final Determination ofLaunching Loads	01AUG04A	1	31AUG04A		100	1,274.00	24
1301R-26	Final Launch Load Analysis	02AUG04A	3	31AUG04A		100	3,822.00	24
1301R-27	Obtain Stresses from Deflection Analysis	01AUG04A	2	31AUG04A		100	2,548.00	24
1301R-32	Prepare ICDs	01OCT04	22*	01NOV04	214		0.00	24



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CD-3 Proposed Baseline
Progress Bar
Critical Activity

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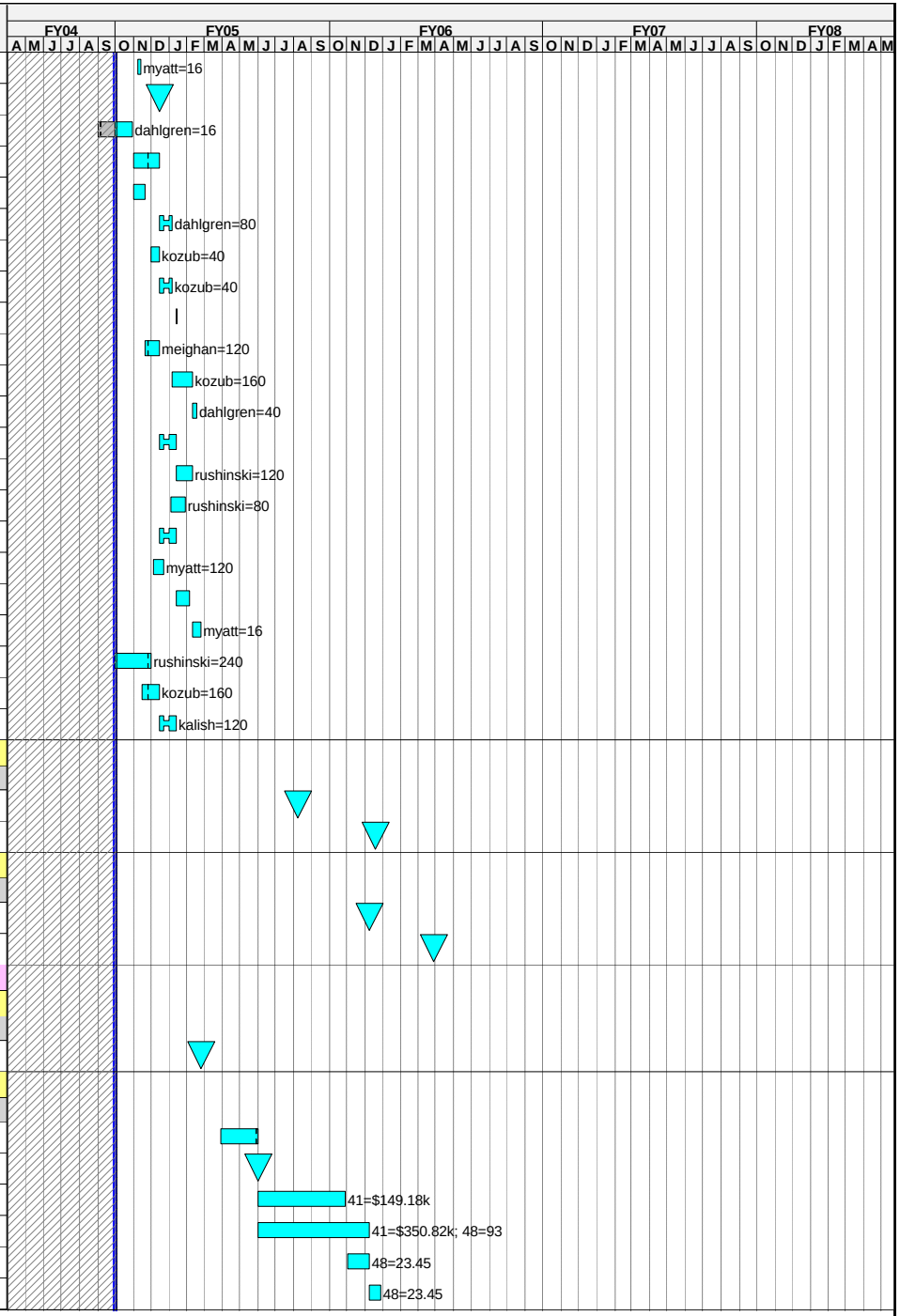
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Budget	contin-gency %
1301R-33	Prepare PDR Material	08NOV04*	5	12NOV04	210		2,548.00	24
1301R-20	TF PDR		0	15DEC04*	189		0.00	24
1301R-07	Procure Test Services	01SEP04A	42*	29OCT04	200		2,628.72	24
1301R-08	Test Materials at CTD	01NOV04	30	14DEC04	225		0.00	24
1301R-09	Order Sample Materials	01NOV04	15	19NOV04	200		0.00	24
1301R-10	Check or Re-Run Analysis with new data	15DEC04	10	05JAN05	225		13,431.20	24
1301R-11	Design Test Fixtures	01DEC04*	10	14DEC04	195		6,715.60	24
1301R-12	Build Test Fixture	15DEC04	10	05JAN05	195		6,715.60	24
1301R-13	Update Cost and Schedule	13JAN05*	0*	12JAN05	209		0.00	24
1301R-14	Build Samples	22NOV04	15	14DEC04	205		13,060.80	24
1301R-15	Cryo Test for Coil Sample	06JAN05	25	09FEB05	195		26,862.40	24
1301R-16	Evaluate Samples	10FEB05	5	16FEB05	195		6,715.60	24
1301R-21	Pusher Design Analysis	16DEC04*	15	13JAN05	189		0.00	24
1301R-34	Final Design Coil Windings	14JAN05*	19	09FEB05	189		20,146.80	24
1301R-36	Final Design Leads	04JAN05*	19	28JAN05	197		13,431.20	24
1301R-37	Prepare Coil Spec	16DEC04*	14	12JAN05	193		0.00	24
1301R-38	Analysis, Final with Leads Terminals & Supports	06DEC04*	14	23DEC04	217		19,110.00	24
1301R-31	Review and Approve Coil Spec	13JAN05*	16	03FEB05	193		0.00	24
1301R-35	Prepare for TF FDR	10FEB05*	11	24FEB05	189		2,548.00	24
1301-80	Engr & Design revisions for two piece design	01OCT04A	40	29NOV04	201		25,116.00	24
1301-82	Test Adhesion to Casting	16NOV04*	20	15DEC04	219		26,798.40	24
1301-84	Design Nose piece fab fixtures	16DEC04	15	13JAN05	219		20,146.80	24
Job: 1302 - PF and CS Design -KALISH								
1301-136	CS Support PDR		0	08AUG05*	1,046		0.00	24
1301-137	CS Support FDR		0	19DEC05	200		0.00	24
Job: 1303 - Trim coil Design-KALISH								
1303-136	Trim Coil PDR		0	08DEC05*	961		0.00	24
1303-137	Trim Coil FDR		0	28MAR06	207		0.00	24
131 - TF Coils								
Job: 1301 - TF Design-KALISH								
131-012	WBS 13 TF FDR		0	24FEB05*	189		0.00	24
Job: 1351 - TF Coil Procurement-KALISH								
TF Coil Fabrication								
131-034	Bid & Evaluate TF Coils	30MAR05	45	01JUN05	166		0.00	24
131-035	TF Coils Awarded		0	01JUN05*	166		0.00	24
1351-100	Tooling/Fixturing	02JUN05	106	27OCT05	180		195,334.32	24
1351-105	materials	02JUN05	135	07DEC05	176		545,245.96	24
1351-110	Wind,wrap,VPI & test TF #1	03NOV05	25	07DEC05	176		23,450.00	24
1351-115	Wind,wrap,VPI & test TF #2	08DEC05	14	27DEC05	176		23,450.00	24



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CD-3 Proposed Baseline
Progress Bar
Critical Activity

EC18

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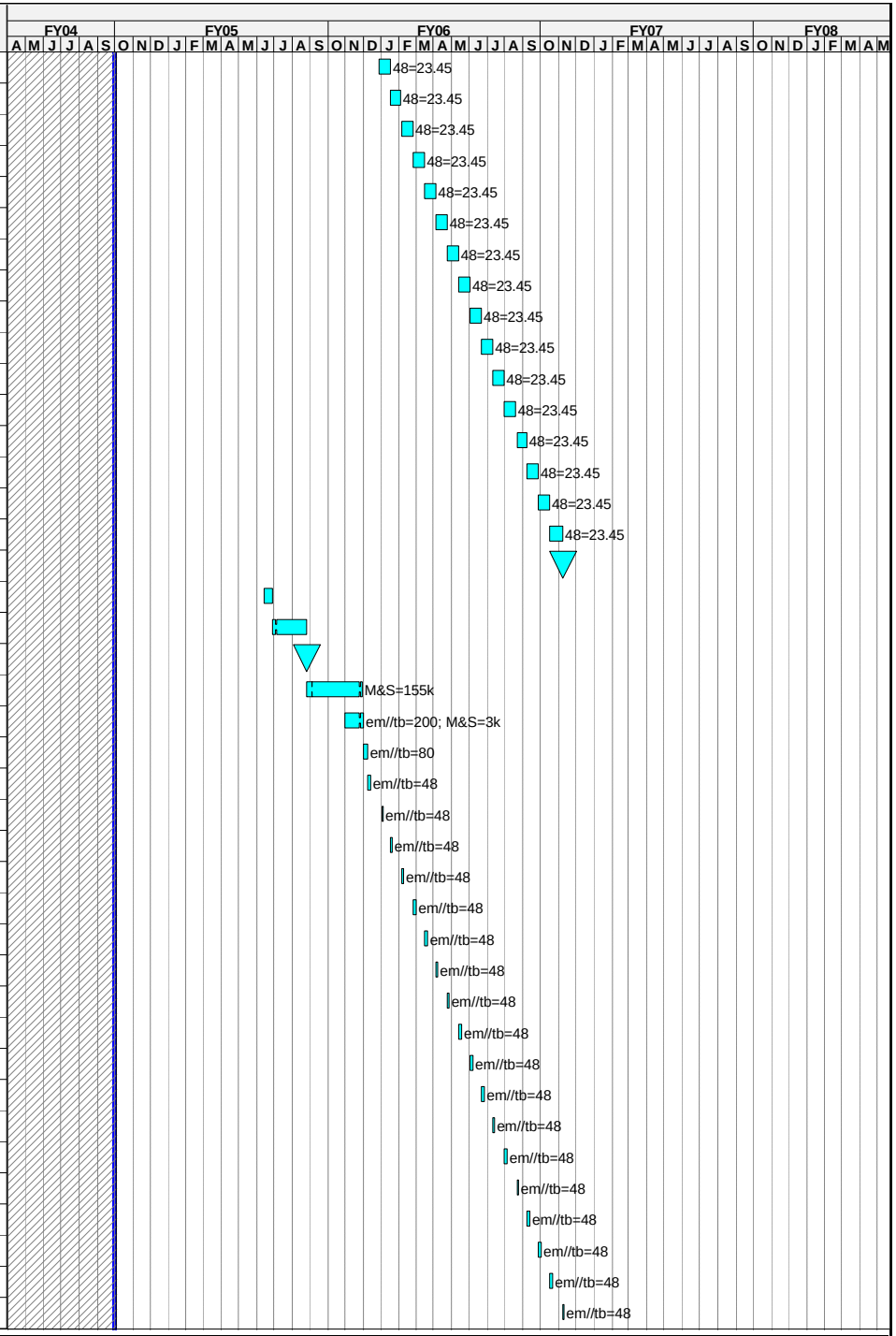
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Budget	contin-gency %
1351-120	Wind,wrap,VPI & test TF #3	28DEC05	14	16JAN06	176		23,450.00	24
1351-125	Wind,wrap,VPI & test TF #4	17JAN06	14	03FEB06	176		23,450.00	24
1351-130	Wind,wrap,VPI & test TF # 5	06FEB06	14	23FEB06	176		23,450.00	24
1351-135	Wind,wrap,VPI & test TF # 6	24FEB06	14	15MAR06	176		23,450.00	24
1351-140	Wind,wrap,VPI & test TF # 7	16MAR06	14	04APR06	176		23,450.00	24
1351-145	Wind,wrap,VPI & test TF # 8	05APR06	14	24APR06	176		23,450.00	24
1351-150	Wind,wrap,VPI & test TF # 9	25APR06	14	12MAY06	176		23,450.00	24
1351-155	Wind,wrap,VPI & test TF # 10	15MAY06	14	01JUN06	176		23,450.00	24
1351-160	Wind,wrap,VPI & test TF # 11	02JUN06	14	21JUN06	176		23,450.00	24
1351-165	Wind,wrap,VPI & test TF # 12	22JUN06	14	11JUL06	176		23,450.00	24
1351-170	Wind,wrap,VPI & test TF # 13	12JUL06	14	31JUL06	176		23,450.00	24
1351-175	Wind,wrap,VPI & test TF # 14	01AUG06	14	18AUG06	176		23,450.00	24
1351-180	Wind,wrap,VPI & test TF # 15	21AUG06	14	07SEP06	176		23,450.00	24
1351-185	Wind,wrap,VPI & test TF # 16	08SEP06	14	27SEP06	176		23,450.00	24
1351-190	Wind,wrap,VPI & test TF # 17	28SEP06	14	17OCT06	176		23,450.00	24
1351-195	Wind,wrap,VPI & test TF # 18	18OCT06	14	06NOV06	176		23,450.00	24
131-038	All TF Coils Delivered		0	06NOV06	179		0.00	24
1351-85A	Prep Spec and Req for TF castings	15JUN05	10	28JUN05	249		0.00	24
1351-85B	Bid & Award TF Castings	29JUN05	40	24AUG05	249		0.00	24
1351-85C	Award TF Castings		0	24AUG05*	249		0.00	24
1351-85D	Vendor Fab TF Castings	25AUG05	65	28NOV05	249		195,455.00	24
1301-86	Fab/Assemble Fixture	01NOV05	20	30NOV05	242		19,869.00	24
1301-88	Setup Wedge Casting Fixture	01DEC05	5	07DEC05	242		6,489.60	24
1351-110A	Assemble TF to Wedge Casting TF#1	08DEC05	3	12DEC05	242		3,893.76	24
1351-115A	Assemble TF to Wedge Casting TF#2	03JAN06	3	05JAN06	332		3,893.76	24
1351-120A	Assemble TF to Wedge Casting TF#3	17JAN06	3	19JAN06	325		3,893.76	24
1351-125A	Assemble TF to Wedge Casting TF#4	06FEB06	3	08FEB06	315		3,893.76	24
1351-130A	Assemble TF to Wedge Casting TF#5	24FEB06	3	28FEB06	304		3,893.76	24
1351-135A	Assemble TF to Wedge Casting TF#6	16MAR06	3	20MAR06	293		3,893.76	24
1351-140A	Assemble TF to Wedge Casting TF#7	05APR06	3	07APR06	283		3,893.76	24
1351-145A	Assemble TF to Wedge Casting TF#8	25APR06	3	27APR06	272		3,893.76	24
1351-150A	Assemble TF to Wedge Casting TF#9	15MAY06	3	17MAY06	261		3,893.76	24
1351-155A	Assemble TF to Wedge Casting TF#10	02JUN06	3	06JUN06	252		3,893.76	24
1351-160A	Assemble TF to Wedge Casting TF#11	22JUN06	3	26JUN06	241		3,893.76	24
1351-165A	Assemble TF to Wedge Casting TF#12	12JUL06	3	14JUL06	232		3,893.76	24
1351-170A	Assemble TF to Wedge Casting TF#13	01AUG06	3	03AUG06	222		3,893.76	24
1351-175A	Assemble TF to Wedge Casting TF#14	21AUG06	3	23AUG06	211		3,893.76	24
1351-180A	Assemble TF to Wedge Casting TF#15	08SEP06	3	12SEP06	201		3,893.76	24
1351-185A	Assemble TF to Wedge Casting TF#16	28SEP06	3	02OCT06	191		3,958.72	24
1351-190A	Assemble TF to Wedge Casting TF#17	18OCT06	3	20OCT06	180		4,088.64	24
1351-195A	Assemble TF to Wedge Casting TF#18	07NOV06	3	09NOV06	169		4,088.64	24



Run Date **22NOV04 10:31**

CD-3 Proposed Baseline
Progress Bar
Critical Activity

EC18

NCSX
ECP 18

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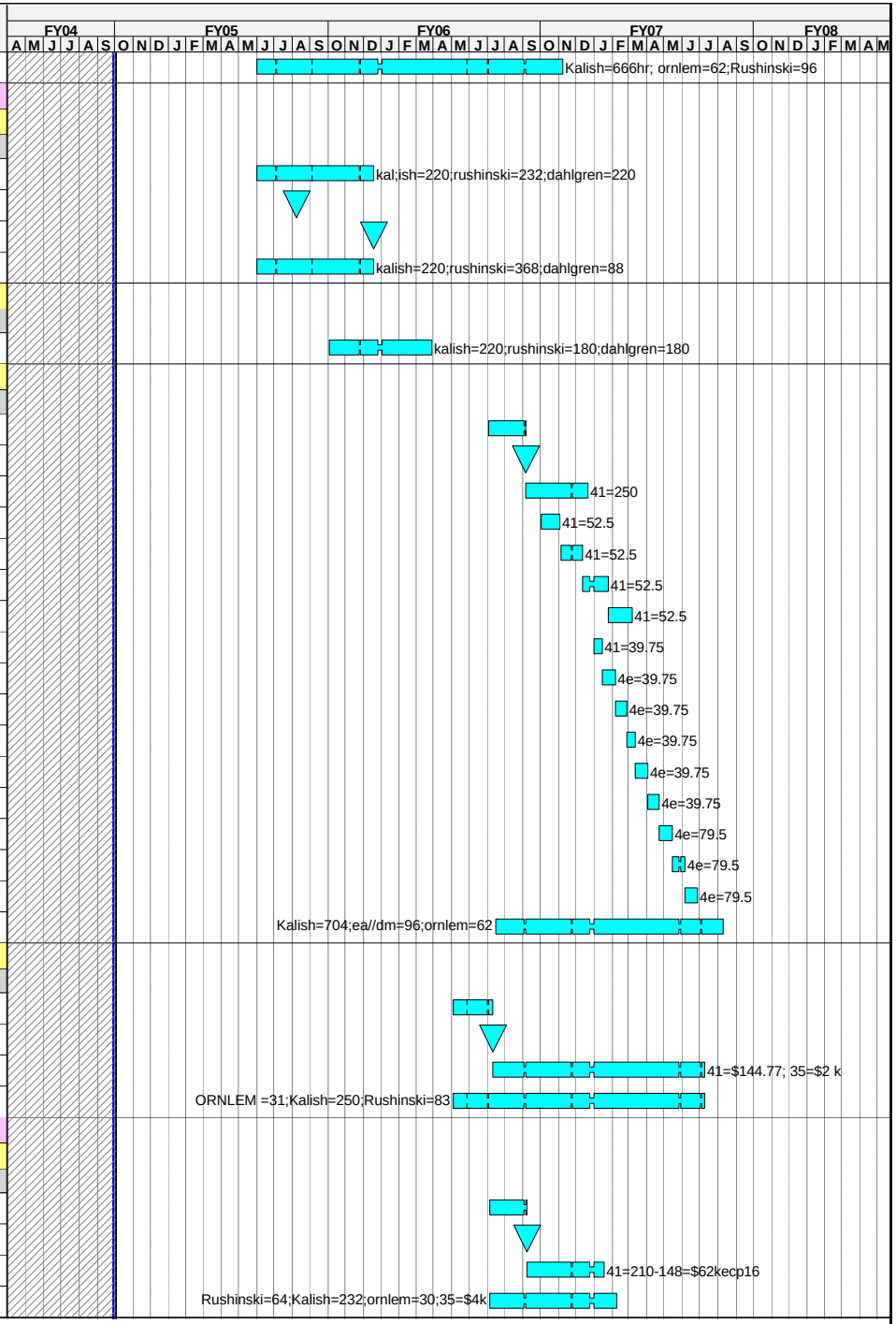
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Budget	contin-gency %
131-031	Title III engr	02JUN05*	361	08NOV06	732		139,542.66	24
132 - PF Coils								
Job: 1302 - PF and CS Design -KALISH								
1302-PF	PF Design	01JUN05*	140	19DEC05	249		113,685.21	32
141-012	PF 1-6 PDR		0	08AUG05*	292		0.00	24
141-013	PF 1-6 FDR		0	19DEC05	249		0.00	24
1302-CSS	Center Stack Support Design	01JUN05*	140	19DEC05	200		114,361.91	32
Job: 1303 - Trim coil Design-KALISH								
1303-TRIM	Trim Coil Design	03OCT05*	119	28MAR06	207		99,307.60	32
Job: 1352 - PF Coil Procurement-KALISH								
PF Coil Fabrication								
141-035	Bid & Award PF Coils	05JUL06*	45	06SEP06	117		0.00	24
141-036	PF Coils Awarded		0	06SEP06	117		0.00	24
1352-100	Material & leads	07SEP06	75	22DEC06	117		329,266.67	24
1352-110	Tooling for PF 4	02OCT06*	25	03NOV06	135		69,562.50	24
1352-115	Tooling for PF 5	06NOV06	25	12DEC06	135		69,562.50	24
1352-120	Tooling for PF 6	13DEC06	25	24JAN07	150		69,562.50	24
1352-105	Tooling for PF 1,2 and 3	25JAN07	30	07MAR07	150		69,562.50	24
1352-140	Fabricate/Dlvr PF 4 lower	02JAN07	10	15JAN07	117		52,668.75	24
1352-145	Fabricate/Dlvr PF 5 lower	16JAN07	15	05FEB07	117		43,009.50	24
1352-150	Fabricate/Dlvr PF 6 lower	06FEB07	15	26FEB07	117		43,009.50	24
1352-155	Fabricate/Dlvr PF 4 upper	27FEB07	10	12MAR07	117		43,009.50	24
1352-160	Fabricate/Dlvr PF 5 upper	13MAR07	15	02APR07	117		43,009.50	24
1352-165	Fabricate/Dlvr PF 6 upper	03APR07	15	23APR07	117		43,009.50	24
1352-125	Fabricate/Dlvr PF 1 upper & lower	24APR07	15	14MAY07	117		86,019.00	24
1352-130	Fabricate/Dlvr PF 2 upper & lower	15MAY07	15	05JUN07	117		86,019.00	24
1352-135	Fabricate/Dlvr PF 3 upper & lower	06JUN07	15	26JUN07	117		86,019.00	24
141-031	Title III engr WBS 132	17JUL06*	268	09AUG07	546		151,940.41	24
Job: 1353 - CS Structure Procurement-KALISH								
CS Support Structure								
163-035	Bid & Award CS Support Struct	04MAY06	45	10JUL06	109		0.00	24
163-036.9	Award CS Support Structure		0	10JUL06*	109		0.00	32
163-037	CS Support Structure Procurement/Fab	11JUL06*	249	09JUL07	109		194,263.41	32
163-015	Title III design CS sprt struc	04MAY06	294	09JUL07	569		63,581.97	32
133 - External Trim Coils								
Job: 1354 - Trim Coil Procurement-KALISH								
Trim Coils								
184-035	Bid & Award Ext Trim Coils	06JUL06	45	07SEP06	139		0.00	24
184-036	Award External Trim Coils		0	07SEP06*	139		0.00	40
184-037	External Trim Coil Procurement/Fab*ecp16	08SEP06	87	18JAN07	139		81,750.92	40
184-015	Title III WBS 133 Rxt Trim Coils	06JUL06	147	08FEB07	674		63,884.90	40



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CD-3 Proposed Baseline
Progress Bar
Critical Activity

EC18

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ECP 18

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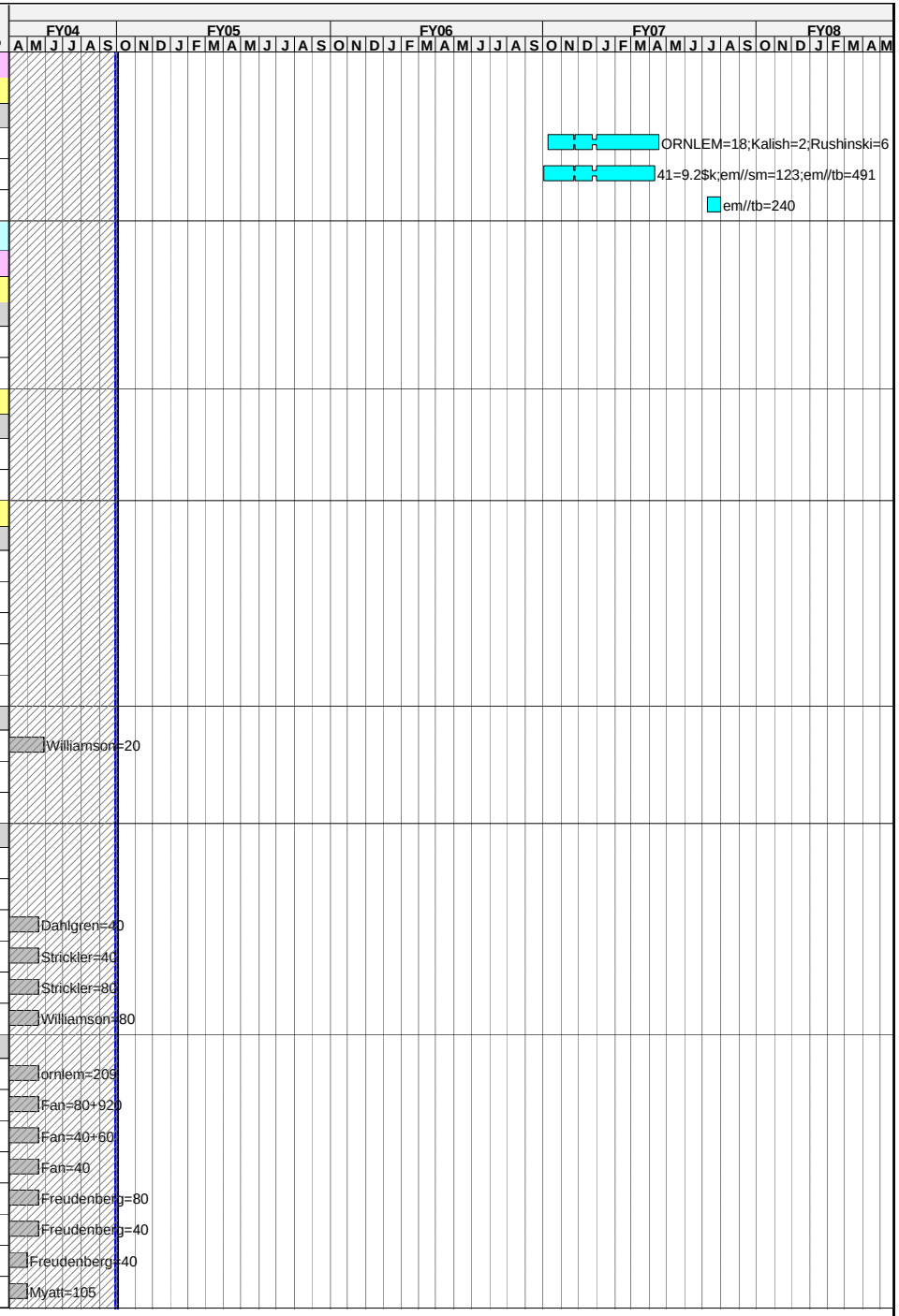
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Budget	contin-gency %
134 - Conventional Coil Local I&C								
Job: 1355 - WBS 13 I&C Proc & Coil Assy-KALISH								
TF/PF Loacl I&C								
133-015	Title III WBS 134 Conv Coil I&C	09OCT06*	130	18APR07	625		3,842.74	20
133-037	Conv Coil I&C WBS 134 Proc & Install	02OCT06*	130	11APR07	173		68,349.03	20
1355-100	CS and PF 1-3 Pre-Assy incl coil I&C procurement	10JUL07	15	30JUL07	109		20,443.20	20
14 - Modular Coils								
141 - Modular Coil Winding Form								
Job: 1401 - Mod Coil Prel.Dsn-WILLIAMSON								
0000								
1401-002	Apr-Sept MIE Cost ORNL	01APR03A	64*	30SEP03A		100	303,040.00	0
1401-003	Apr-Sept MIE Cost PPPL	01APR03A	64*	30SEP03A		100	0.00	0
Job: 1402 - Mod.Coil Analyses-WILLIAMSON								
0000								
1402-002	Apr-Sept MIE Cost ORNL	01APR03A	64*	30SEP03A		100	84,220.00	0
1402-003	Apr-Sept MIE Cost PPPL	01APR03A	64*	30SEP03A		100	154,920.00	0
Job: 1403 - Modular Coil Final Design-WILLIAMSON								
PDR/PBR Prep								
1403-04	Plan response to PDR chits	01OCT03A	23	31OCT03A		100	2,573.80	40
1403-05	Prepare FY04 WP / WAF / Checklists	08OCT03A	21	14OCT03A		100	2,573.80	40
1403-06	Prepare documents for PDR closeout	15OCT03A	52*	24DEC03A		100	10,295.20	40
1403-07	Prepare PBR documentation	31OCT03A	19*	18NOV03A		100	2,573.80	40
1403-08	Performance Baseline Review		0	18NOV03A		100	0.00	40
Requirements/Config and Interfaces								
1403-10	Review, revise, and approve SRD	15OCT03A	160	28MAY04A		100	2,573.80	40
1403-13	Finalize winding pack ref xsec, conductor dims	15OCT03A	45*	26NOV03A		100	2,573.80	40
1403-14	Revise winding form and windings/asm models	15OCT03A	75*	30JAN04A		100	41,309.49	40
Analysis - Thermal & Electrical								
1403-21	Document electrical, insulation parameters	15OCT03A	56*	19DEC03A		100	2,573.80	40
1403-22	Update thermal analysis to current WP design	22OCT03A	51*	19DEC03A		100	5,147.60	40
1403-23	Update thermo-hydraulic analysis of coils	01DEC03A	127*	18MAY04A		100	6,428.00	40
1403-25	Check EM loads calculation for ref scenarios	02FEB04A	85*	18MAY04A		100	5,147.60	40
1403-26	Perform scan of EM fault load conditions	01DEC03A	127*	18MAY04A		100	10,295.20	40
1403-26.1	Check thermal & electrical calculations	02FEB04A	85*	18MAY04A		100	10,295.20	40
Analysis - Structural								
141TITLE2P	PDR #1,4,26 Access,Tolerance Budget,Bolting	01MAR04A	65*	18MAY04A		100	26,896.21	30
1403-29	Complete ANSYS model of coil structure asm	15OCT03A	160*	18MAY04A		100	160,700.00	40
1403-30	Analyze global stress /deflect winding form asm	31OCT03A	148*	18MAY04A		100	16,070.00	40
1403-31	Analyze stress in bolted connections	01MAR04A	65*	18MAY04A		100	6,428.00	40
1403-32	Update MECHANICA model of 3 coil types	15OCT03A	160*	18MAY04A		100	10,295.20	40
1403-33	Anlyz wind pack deflect/stress fo thrml, EM lds	01MAR04A	65*	18MAY04A		100	5,147.60	40
1403-34	Analyze and optimize clamp locations	01MAR04A	55*	30APR04A		100	5,147.60	40
1403-35	Perform supporting analysis for material tests	15OCT03A	150*	30APR04A		100	16,727.62	40



Run Date **22NOV04 10:31**

CD-3 Proposed Baseline
Progress Bar
Critical Activity

EC18

NCSX
ECP 18

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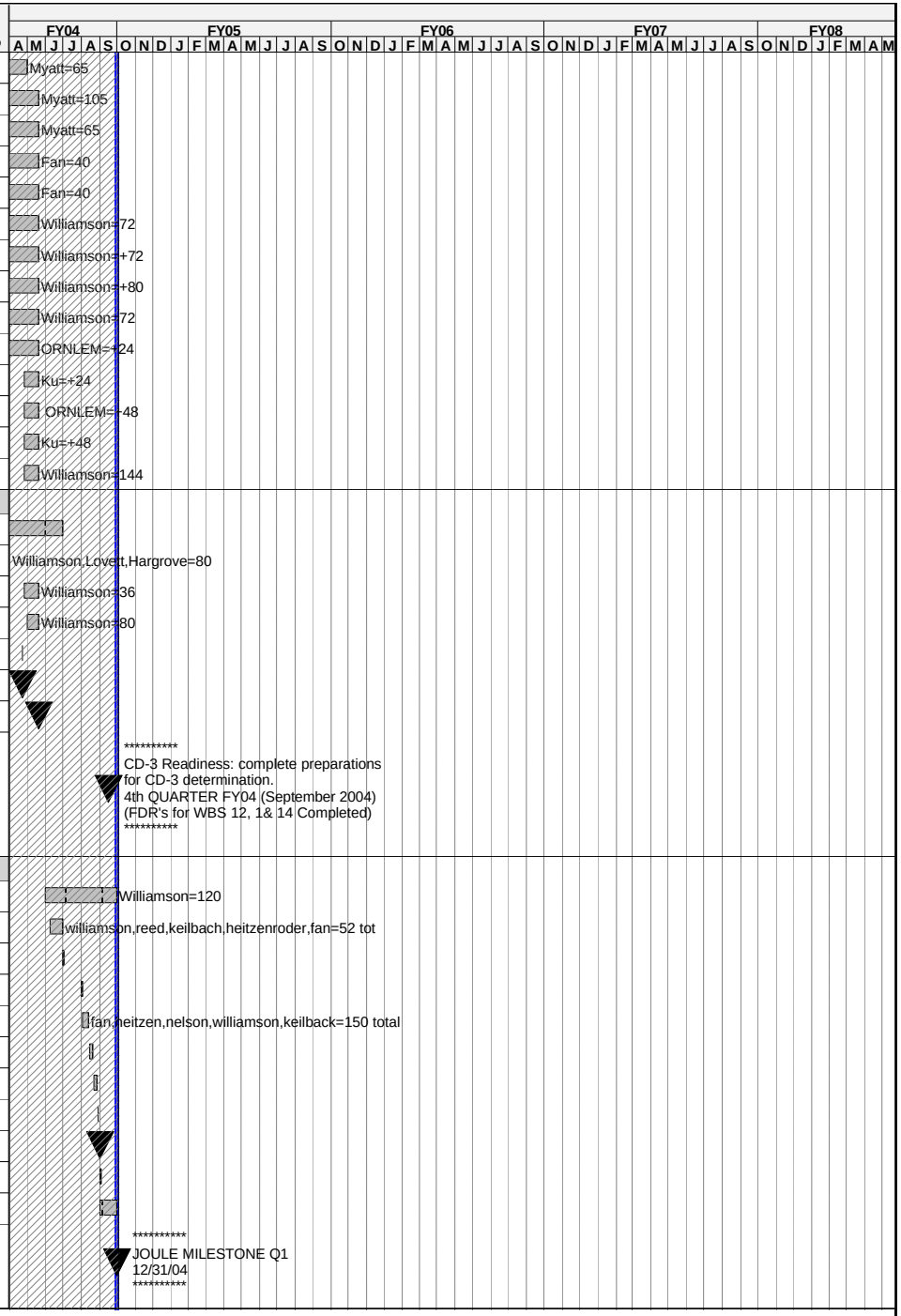
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Budget	contin-gency %
1403-36	Update EM loads for reference scenarios	01MAR04A	55*	30APR04A		100	10,357.62	40
1403-37	Perform check og global structural analysis	01MAR04A	65*	18MAY04A		100	16,727.62	40
1403-38	Check nonlinear winding pack analysis	01MAR04A	65*	18MAY04A		100	10,357.62	40
1403-39	Analyze gravity, equip, seismic loading	01MAR04A	65*	18MAY04A		100	6,428.00	40
1403-40	Analyze combined loads and fault conditions	01MAR04A	65*	18MAY04A		100	6,428.00	40
1403-40.1	Check Structural Calculations	02FEB04A	107*	18MAY04A		100	9,265.68	40
1403-40.1A	Prepare plate element model of coil structure	01MAR04A	65*	18MAY04A		100	9,265.68	40
1403-40.1B	Confirm global deflection/stress, re-inf of shel	02FEB04A	85*	18MAY04A		100	10,295.20	40
1403-40.1C	Check all struct calculkations	01MAR04A	65*	18MAY04A		100	9,265.68	40
1403-40.2A	Develop multi-filament model of all coils	01MAR04A	65*	18MAY04A		100	3,088.56	40
1403-40.2B	Confirm Plasma performance & surface quality	26APR04A	25*	18MAY04A		100	3,856.80	40
1403-40.2C	Model expected deflections under thermal/EM load	26APR04A	25*	18MAY04A		100	6,177.12	40
1403-40.2D	Confirm plasma performance & surface quality	26APR04A	25*	18MAY04A		100	7,713.60	40
1403-41	Prepare structural analysis report	26APR04A	25*	18MAY04A		100	18,531.36	40
Winding Form FDR Prep								
1403-03	Increase for actual cost of Final Design ECP 11	15OCT03A	118*	30JUN04A		100	358,000.00	40
1403-43	Incorporate changes due to prototype fabr	01MAR04A	22*	31MAR04A		100	10,423.89	40
1403-47	Prepare failure modes assessment (FMECA)	26APR04A	68*	19MAY04A		100	4,504.15	40
1403-50	Prepare FDR documentation / presentations	01MAY04A	9	18MAY04A		100	10,295.20	40
1403-50.2	Prepare Prelim Bid Package	23APR04A	0*	23APR04A		100	0.00	40
1403-50.5	Prelim Bid Package Released		0	23APR04A		100	0.00	40
1403-51	MCWF FDR		0	19MAY04A		100	0.00	40
C-081.1	JOULE MILESTONE #4 - CD-3 Readiness		0	16SEP04A		100	0.00	40
MCWF Procurement								
1403-53	Resolve FDR comments and recommendations	01JUN04A	86*	30SEP04A		100	15,442.80	40
1403-54	Final bid package(specs,models,dwgs)	09JUN04A	17*	30JUN04A		100	8,109.32	40
1010	Prep & Issue RFP	01JUL04A	1	01JUL04A		100	0.00	40
1020	EIO & JPP Prepare and submit FPP proposal	02AUG04A	0*	02AUG04A		100	0.00	40
1030.1	Review & Evaluate Proposals	03AUG04A	5	13AUG04A		100	22,208.40	40
1030.2	Vendor Oral Presentations	16AUG04A	3	20AUG04A		100	0.00	40
1030.3	Best & Final Offers	23AUG04A	2	27AUG04A		100	0.00	40
1030.4	Evaluate & Make Recomendation	30AUG04A	5	30AUG04A		100	0.00	40
1040	Vendor Decision		0	31AUG04A		100	0.00	40
1030.5	Prepare Contract Package	01SEP04A	0*	03SEP04A		100	0.00	40
1050	DOE review and PPPL Award Contract	01SEP04A	0*	30SEP04A		100	0.00	40
C-081	Award MCWF Mfg Contract (phase funded)		0	30SEP04A		100	0.00	40



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CD-3 Proposed Baseline
Progress Bar
Critical Activity

EC18

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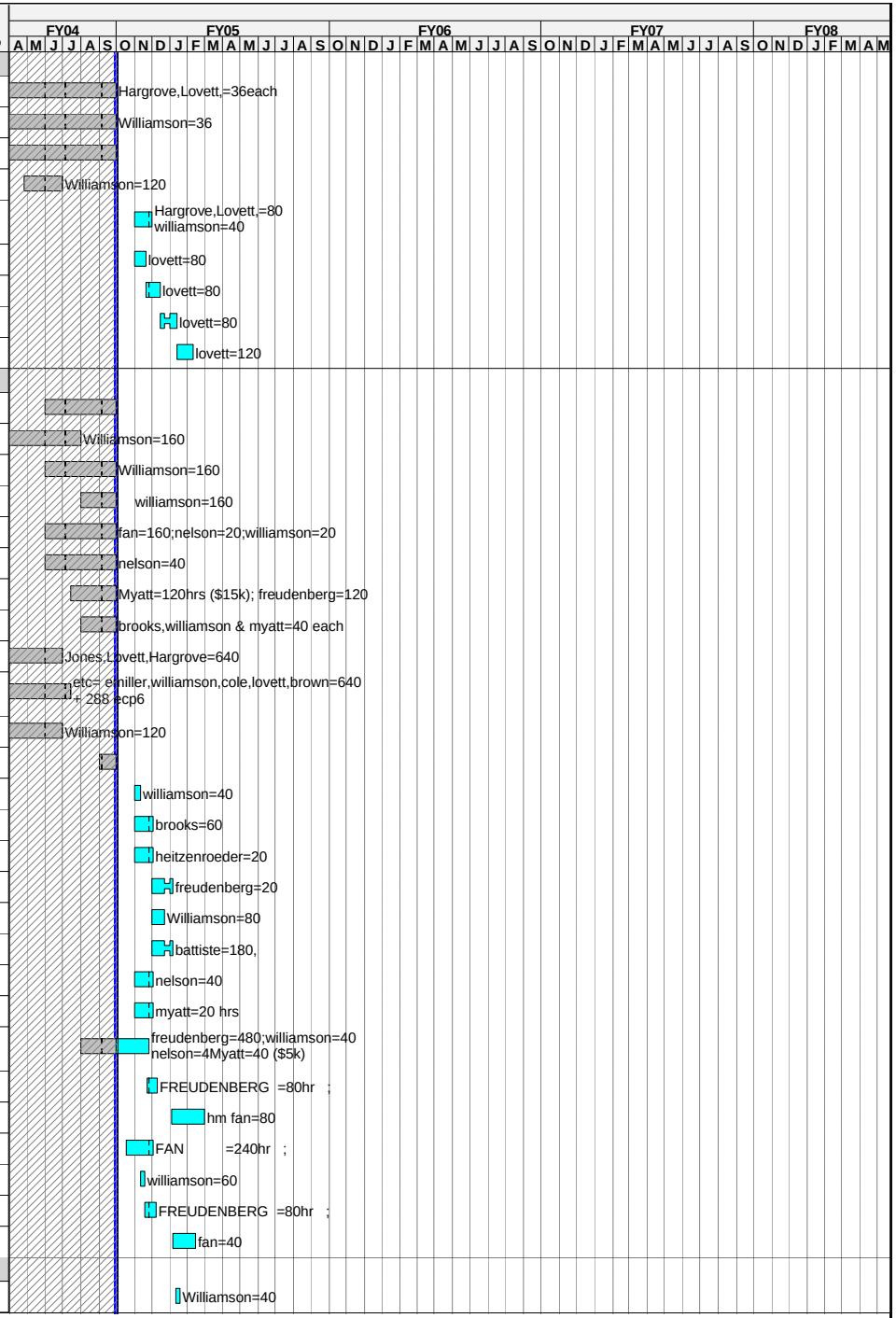
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Budget	contin-gency %
Winding and Assembly Design								
1403-11	Prepare assembly / interface drawings for ICDs	15OCT03A	268*	30SEP04A		100	9,304.29	40
1403-12	Finalize and approve all ICDs	01MAR04A	173*	30SEP04A		100	4,632.84	40
1403-15	Prepare winding form asm / detail drawings	03NOV03A	265*	30SEP04A		100	62,028.58	40
1403-48	Update design basis document	26APR04A	47*	30JUN04A		100	15,442.80	40
1403-11.1	Compl assembly / interface drawings for ICDs	01NOV04*	20	30NOV04	180		29,448.00	40
1403-16	Assembly bolts, nuts,washers	01NOV04*	15	19NOV04	135		11,779.20	40
1403-17	Assembly shims	22NOV04*	15	14DEC04	135		11,779.20	40
1403-18	Eccentric ball assembly	15DEC04*	15	12JAN05	135		11,779.20	40
1403-19	Top assembly dwgs for mod coil shell	13JAN05*	20	09FEB05	135		17,668.80	40
MCWF & Winding Analysis/Testing								
1403-FY04	Analysis fy04	01JUN04A	108*	30SEP04A		100	48,517.50	40
1403-27	Prepare thermal, electrical analysis report	02FEB04A	128*	30JUL04A		100	20,590.40	40
1403-27A	Update winding pack thermal/hydraulic analysis	01JUN04A	97*	30SEP04A		100	20,590.40	40
1403-40.3X	Modify MCWF Contract Documents & drawings	01AUG04A	43*	30SEP04A		100	20,590.40	40
1403-42	Complete FDR Struct Analysis Report	01JUN04A	108*	30SEP04A		100	30,859.60	40
1403-42B	Modify ORNL beam test setup provide torsional ld	01JUN04A	108*	30SEP04A		100	5,147.60	40
1403-42C	Revise analysis incorp final modeling changes	15JUL04A	77*	30SEP04A		100	34,552.80	40
1403-42E	Complete checking struct calculations	01AUG04A	65*	30SEP04A		100	17,945.60	40
1403-44	Prepare final drawings for winding forms, asm	01MAR04A	75*	30JUN04A		100	82,232.91	40
1403-45	Check and promote models / drawings	01MAR04A	97*	15JUL04A		100	120,704.72	40
1403-46	Update build-to specification / SOW	01MAR04A	75*	30JUN04A		100	15,442.80	40
1403-70	Complete non-linear model revisions	01SEP04A	31	30SEP04A		100	0.00	40
1403-40.2X	Multifilament coils file incl leads	01NOV04*	9*	11NOV04	191		5,889.60	40
1403-42D	Fracture fatigue analysis for MCWF	01NOV04*	22	02DEC04	178		10,073.40	40
1403-42D.0	Determine Fatigue properties	01NOV04*	22	02DEC04	1,213		3,357.80	40
1403-42G	WP beam FEA modeling	01DEC04*	21	06JAN05	132		2,944.80	40
1403-47A	Update,review & approve FMECA	01DEC04*	16	22DEC04	164		5,889.60	40
1403-42F	Perform WP beam tests at ORNL	01DEC04*	21	06JAN05	159		26,503.20	40
1403-42A	WP beam bending results documentation	01NOV04*	22	02DEC04	178		5,889.60	40
1403-47B	det boundary conditions single nonlinear windng	01NOV04*	22	02DEC04	178		6,370.00	40
1403-40.2Z	Update nonlinear winding pack analysis	01AUG04A	82*	24NOV04	182	80	78,426.58	40
1403-73	Prep struct analysis report	24NOV04*	11*	10DEC04	1,207		11,779.20	40
1403-90	Compile Material properties database	03JAN05*	42	01MAR05	1,156		13,431.20	40
1403-74	check analysis using simplified models	19OCT04*	32	03DEC04	1,212		40,293.60	40
1403-42H	calculate EM loads at leads	11NOV04*	6*	18NOV04	186		8,834.40	40
1403-76	Structural analysis of leads	18NOV04*	11*	06DEC04	1,211		11,779.20	40
1403-47C	Backup analysis/check of leads	07JAN05*	27	14FEB05	132		6,715.60	40
Winding and Assembly Design-Type C								
1403-49	Update cost / schedule estimates	11JAN05*	6*	18JAN05	151		5,889.60	40



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CD-3 Proposed Baseline
Progress Bar
Critical Activity

EC18

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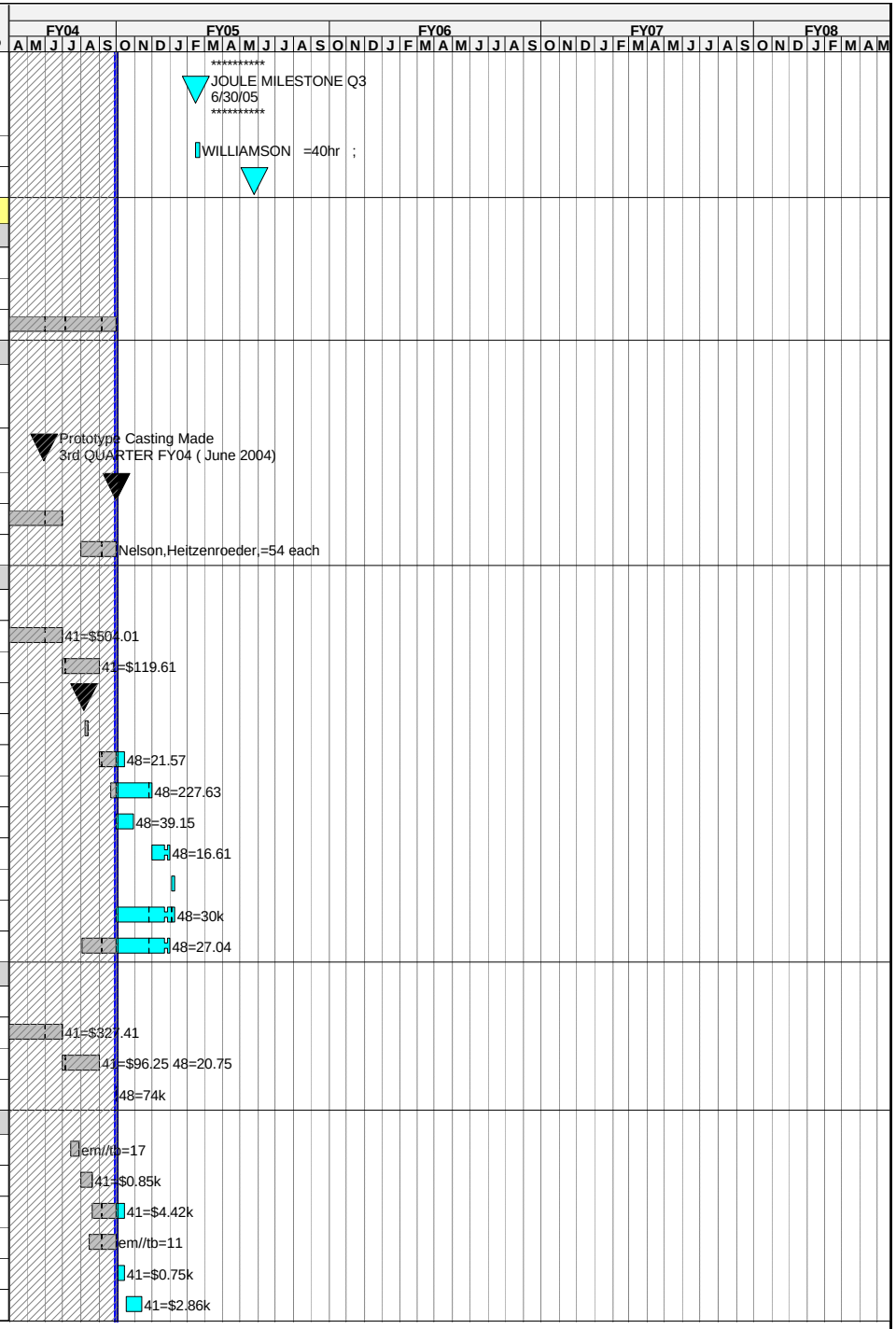
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Budget	contin-gency %
1403-20	Mod Coil Winding Type C FDR		0	14FEB05*	132		0.00	40
1403-20.2	Resolve FDR chits	15FEB05*	5	21FEB05	1,162		5,889.60	40
1403-20.1	Mod Coil Type C Fab Preparedness Review		0	25MAY05*	122		0.00	40
Job:1404-MCWF R&D & 1st Prod Casting-HEITZENROED								
0000								
1404-002	Apr-Sept YTD MIE Cost ORNL	01APR03A	64*	30SEP03A		100	100,220.00	0
1404-003	Apr-Sept YTD MIE Cost PPPL	01APR03A	64*	30SEP03A		100	64,670.00	0
1404-ECP16	ecp16	01OCT03A	64*	30SEP04A		100	93,000.00	0
Prototype Design Issues								
1404-109.J	JOULE MILESTONE #1-Authorize Prototype Fab		0	20OCT03A		100	0.00	0
1404-110.J	JOULE MILESTONE #3-Prototype Casting Made		0	28MAY04A		100	0.00	0
3000	Issue Type C final drawings to EIO & JPP		0	30SEP04A		100	0.00	40
1404-65	Fabrication oversight by Project	01OCT03A	213*	30JUN04A		100	132,000.00	40
1404-66	Proposal evaluation & contract oversight	01AUG04A	43*	30SEP04A		100	15,627.06	40
EIO Subcontract (S04341F)								
1404-100	EIO-Cost FY03	01MAY03A	10	30SEP03A		100	307,170.24	40
1404-105	EIO-FY04 Cost Through June 30,2004 ECP 11	01OCT03A	10*	30JUN04A		100	571,337.28	40
1404-106	contract balance ECP 11	01JUL04A	0*	31AUG04A		100	119,610.00	40
1404-107	EIO-Suspend Prototype work ECP 11		0	06AUG04A		100	0.00	40
3010	Vendor #1 Contract Amended	09AUG04A	0*	13AUG04A		100	0.00	40
PPC-1	Engr & Flow Solidification	01SEP04A	32*	15OCT04	222		21,570.00	40
PPC-2	Lawton mold Assy	22SEP04A	48*	30NOV04	192		227,630.00	40
PPC-3	Materials	01OCT04*	21*	29OCT04	212		39,150.00	40
PPC-4	Build Pattern & Pour Casting	01DEC04*	21*	31DEC04	192		16,610.00	40
PPC-5	Clean/Inspect Casting	04JAN05*	4*	07JAN05	192		0.00	40
PPC-5C	contract resolution setaside	01OCT04*	66*	07JAN05	1,224		30,000.00	40
PPC-6	Oversight/Reporting	04AUG04A	103*	31DEC04	1,228		27,040.00	40
JP Pattern Subcontract (S04340F)								
1404-200	JPP- cost FY03	01MAY03A	10	30SEP03A		100	92,170.40	40
1404-205	JPP-FY04 Cost Through June 30,2004 ECP 11	01OCT03A	10*	30JUN04A		100	417,120.34	40
1404-206	JPP- July forecast ECP 11	01JUL04A	0*	31AUG04A		100	143,372.50	40
3110	Contract balance	30SEP04A	2*	30SEP04A		C	74,000.00	40
MCWF Fracture Analysis								
1404-FR1	Rough machine specimens, Lot 1 (17 pcs.) at PPPL	15JUL04A	10	29JUL04A			1,305.60	40
1404-FR2	Machine Lot 1 specimens to ASTM spec (Crystal En	02AUG04A	10	20AUG04A			1,082.90	40
1404-FR3	Test Lot 1 specimens - 17 pcs. At $260	20AUG04A	40*	15OCT04	215		5,770.86	40
1404-FR4	Rough machine Lot 2 (11 specimens) at PPPL	16AUG04A	34*	01OCT04	195		845.69	40
1404-FR5	Machine Lot 2 specimens to ASTM spec. (Crystal E	04OCT04*	10	15OCT04	195		1,041.75	40
1404-FR6	Test Lot 2 specimens @NHMFL 11 pcs.	18OCT04	20	12NOV04	195		3,972.54	40



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CD-3 Proposed Baseline
Progress Bar
Critical Activity

EC18

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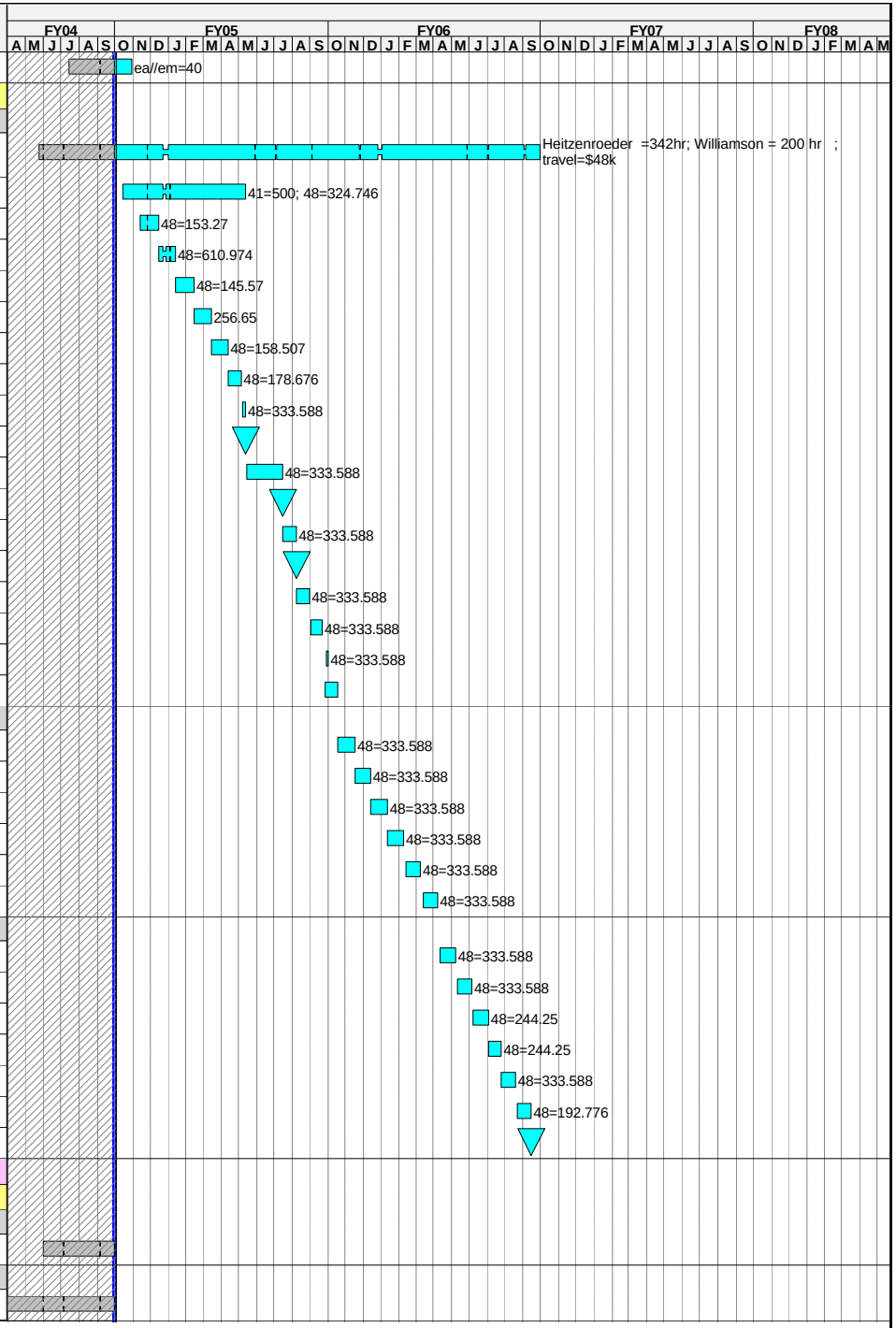
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Budget	contin-gency %
1404-FR7	Engineering coordination	15JUL04A	76*	29OCT04	1,269		6,507.47	40
Job: 1411-MCWF Fabrication S005242-HEITZENROEDER								
Type C Castings								
172-031	Title III engr	24MAY04A	589*	29SEP06	760		169,689.42	40
1064.1	Payment #1 Reporting &Materials	15OCT04*	146	13MAY05	1,134		1,019,250.00	10
1064.2	Payment #2 Pattern work	15NOV04*	20	14DEC04	1,239		153,270.00	10
1064.3	Payment #3 Pattern work and Major Tool Startup	15DEC04*	19	13JAN05	1,220		610,970.00	10
1064.4	Payment #4 Pattern work	14JAN05*	22	14FEB05	1,198		145,570.00	10
1064.5	Payment #5 Pattern work and Major Tool	15FEB05*	20	14MAR05	1,178		256,650.00	10
1064.6	Payment #6 Pattern Work&Deliver C1 for machining	15MAR05*	23	14APR05	1,155		158,510.00	10
1064.7	Payment #7 Deliver C-2 for Machining	15APR05*	16	06MAY05	1,139		178,670.00	10
1071	Payment #8 Ship C-1 to PPPL	09MAY05*	5	13MAY05	107		333,590.00	10
C-121.1	First MCWF C-1 Delivered		0	13MAY05	107		0.00	10
1092	Payment #9 Ship C-2 to PPPL	16MAY05	44*	14JUL05	107		333,590.00	10
1091	Second Casting C-2 Delivered to PPPL		0	14JUL05	107		0.00	10
1112	Payment #10 Ship A-1 to PPPL	15JUL05	17	08AUG05	111		333,580.00	10
1111	Third Casting A-1 Delivered to PPPL		0	08AUG05	111		0.00	10
C-321	Payment #11 Castings-C-3	09AUG05	16	30AUG05	111		333,590.00	10
C-401	Payment #12 Castings-B-1	02SEP05	15	22SEP05	111		333,590.00	10
C-461.1	Payment #13 accrual	30SEP05*	1	30SEP05	1,034		333,590.00	10
C-461	Payment #13 Castings-A-2	27SEP05	15	17OCT05	111		0.00	10
Type B Castings								
C-141	Payment #14 Castings-A-3	20OCT05	19	15NOV05	111		333,590.00	10
C-201	Payment #15 Castings-A-4	16NOV05	19	12DEC05	111		333,590.00	10
C-281	Payment #16 Castings-A-5	15DEC05	19	10JAN06	111		333,580.00	10
C-341	Payment #17 Castings-A-6	13JAN06	19	08FEB06	111		333,590.00	10
C-421	Paymenmt #18 Castings-B-2	13FEB06	19	09MAR06	111		333,590.00	10
C-481	Payment #19 Castings-B-3	14MAR06	19	07APR06	111		333,590.00	10
Type A Castings								
C-161B	Payment #20 Castings-B-4	12APR06	19	08MAY06	111		333,590.00	10
C-221B	Payment #21 Castings-B-5	11MAY06	18	05JUN06	111		333,590.00	10
C-301B	Payment #22 Castings-B-6	08JUN06	18	03JUL06	111		244,250.00	10
C-301B.1	Payment #22 Castings- C-4	04JUL06	17	26JUL06	111		244,250.00	10
C-361B	Payment #23 Castings-C-5	27JUL06	17	18AUG06	111		333,590.00	10
C-441B	Payment #24 Castings C-6	23AUG06	17	14SEP06	111		192,770.00	10
C-501B1	Last MCWF Delivered		0	14SEP06	111		0.00	10
142 - Modular Coil Windings and Assembly								
Job: 1403 - Modular Coil Final Design-WILLIAMSON								
MCWF & Winding Analysis/Testing								
1403-ECP16	ecp16	01JUN04A	108*	30SEP04A		100	139,000.00	40
Winding and Assembly Design-Type C								
1403-202	G-10 Filler Dwgs (24)-Type C ?????????????	01JAN04A	227*	30SEP04A		100	13,512.45	40



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CD-3 Proposed Baseline
Progress Bar
Critical Activity

EC18

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ECP 18

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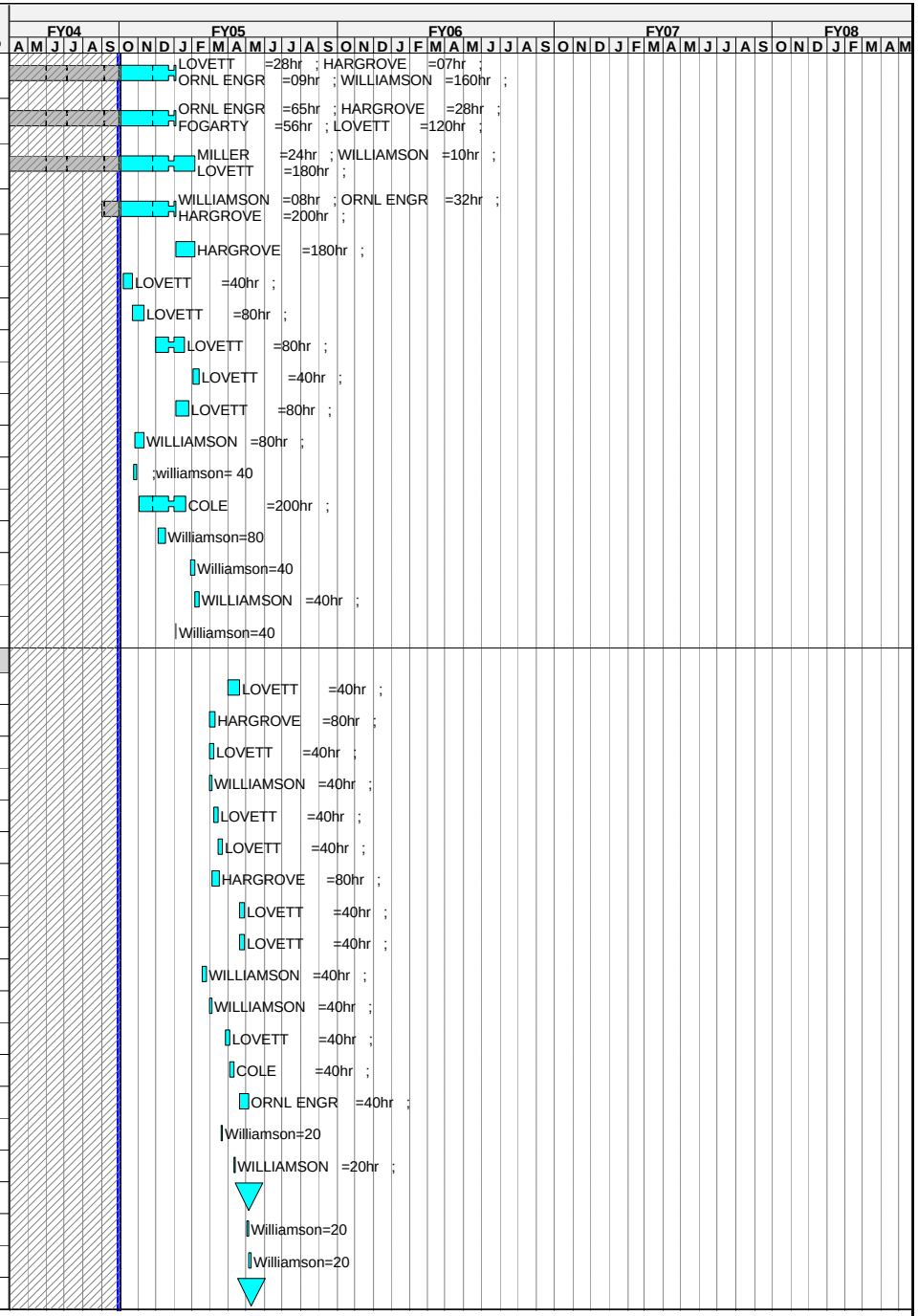
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Budget	contin-gency %
1403-200	Winding & Insulation Dwgs (8)-Type C	01JAN04A	250*	03JAN05	162	35	26,953.21	40
1403-201	Leads & crossover Dwgs (10)-Type C	01JAN04A	250*	03JAN05	162	35	35,142.95	40
1403-203	Clamp Dwgs (5)-Type C	01JAN04A	273*	03FEB05	139	30	28,542.58	40
1403-204	Chill Plate Dwgs (66)-Type C	01SEP04A	80*	03JAN05	162	20	33,621.73	40
1403-220	Cladding assembly-Type C	03JAN05*	25	04FEB05	138		26,503.20	40
1403-219	MCWF studs,modifications-Type C	08OCT04*	10	21OCT04	163		5,889.60	40
1403-221	Lead ends & closure-Type C	22OCT04	15	11NOV04	163		11,779.20	40
1403-222	Terminal assembly-Type C	01DEC04*	28	17JAN05	152		11,779.20	40
1403-223	Top level coil assembly-Type C	03FEB05*	6	10FEB05	134		5,889.60	40
1403-224	VPI mold assembly0-Type C	04JAN05*	15	24JAN05	147		11,779.20	40
1403-206	Cooling, Electr Schematic Dwgs (1)- Type C	28OCT04*	10*	10NOV04	192		11,779.20	40
1403-208	I&C Dwgs (1) -Type C	25OCT04*	5*	29OCT04	200		5,889.60	40
1403-58C	Check and promote models / drawings -Type C	05NOV04*	48*	21JAN05	148		29,448.00	40
1403-60	Update design basis document	06DEC04*	10*	17DEC04	167		11,779.20	40
1403-62	Prepare FDR documentation / presentations	28JAN05*	5*	03FEB05	139		5,889.60	40
1403-70.05	Update MIT/QA Plans for Type C Winding Fab	04FEB05*	5*	10FEB05	196		5,889.60	40
1403-59	Update build-to specifications	03JAN05*	1*	03JAN05	224		5,889.60	40
Winding and Assembly Design-Type B								
1403-419	MCWF studs,modifications-Type B	01APR05*	15	21APR05	241		5,889.60	40
1403-420	Cladding assembly-Type B	28FEB05*	10*	11MAR05	270		11,779.20	40
1403-401	Leads & crossover Dwgs (10)-Type B	01MAR05*	5	07MAR05	264		5,889.60	40
1403-400	Winding pack assy Dwgs (8)-Type B	28FEB05*	5*	04MAR05	275		5,889.60	40
1403-421	Lead ends & closure-Type B	08MAR05	5	14MAR05	264		5,889.60	40
1403-422	Terminal assembly-Type B	15MAR05	5	21MAR05	264		5,889.60	40
1403-404	Chill Plate Dwgs (66)-TypeB	07MAR05*	10*	18MAR05	265		11,779.20	40
1403-424	VPI mold assembly0-Type B	21APR05*	6	28APR05	236		5,889.60	40
1403-403	Clamp Dwgs (5)-Type B	21APR05*	6	28APR05	236		5,889.60	40
1403-406	Cooling, Electr Schematic Dwgs (1)-Type B	18FEB05*	5*	24FEB05	281		5,889.60	40
1403-408	I&C Dwgs (1) -Type B	28FEB05*	5*	04MAR05	275		5,889.60	40
1403-423	Top level coil assembly-Type B	29MAR05*	5*	04APR05	254		5,889.60	40
1403-58B	Check and promote models / drawings -Type B	05APR05*	5*	11APR05	249		5,889.60	40
1403-80	Update design basis doc & cost sched est	21APR05*	10*	04MAY05	232		5,889.60	40
1403-72.06	Update build-to spec	21MAR05*	3*	23MAR05	262		3,357.80	40
1403-81	Prepare FDR doc	11APR05*	3*	13APR05	247		2,944.80	40
1403-72	Final Design Review Production Type B		0	04MAY05*	232		0.00	40
1403-72.05	Update MIT/QA Plans for Type C Winding Fab	04MAY05*	3*	06MAY05	280		3,357.80	40
1403-72.07	Resolve FDR comments	05MAY05	3	09MAY05	279		3,357.80	40
1403-72.1	Fab Readiness Review - Production Type B		0	09MAY05*	279		0.00	40



Run Date **22NOV04 10:31**

CD-3 Proposed Baseline
Progress Bar
Critical Activity

EC18

NCSX
ECP 18

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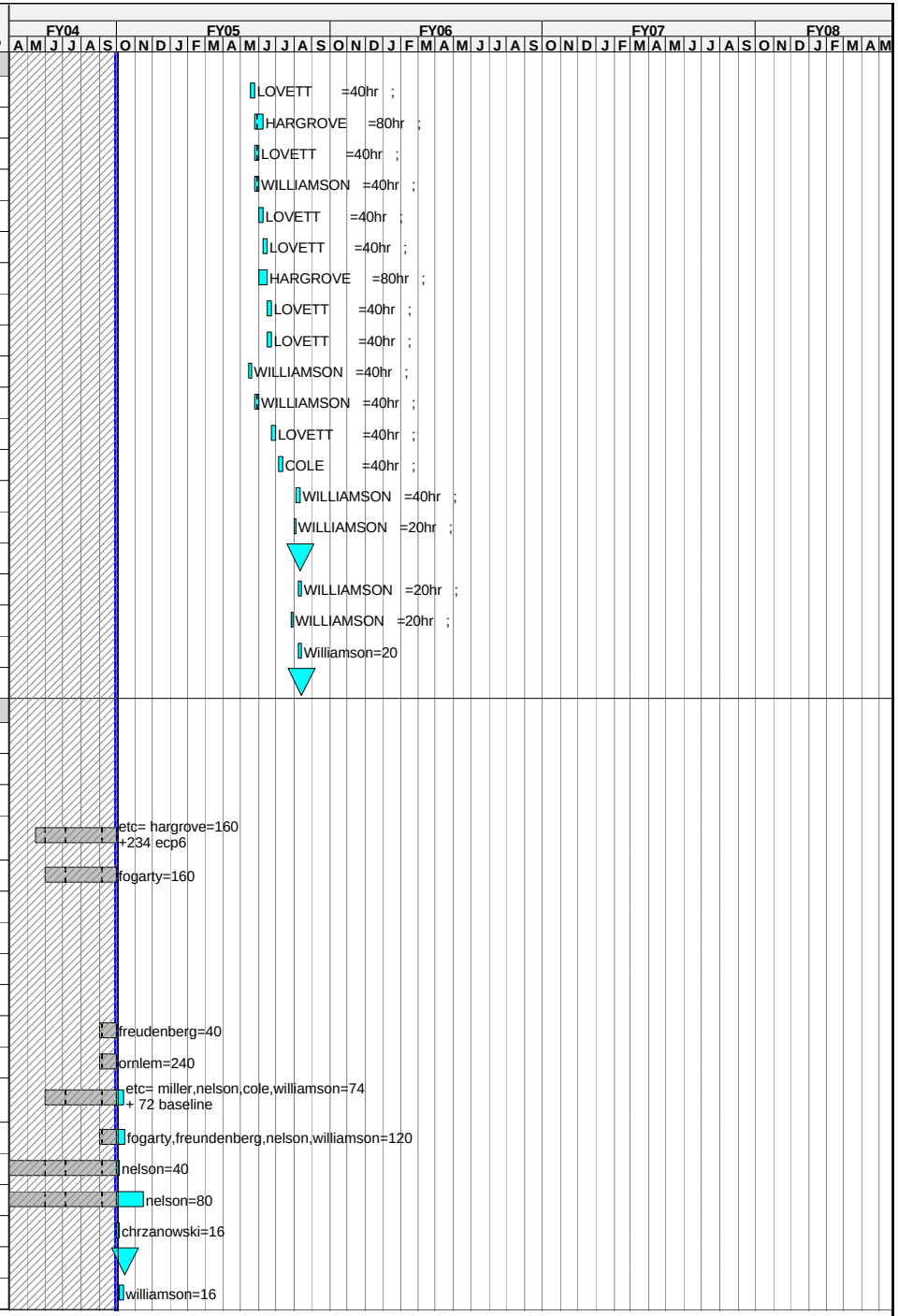
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Budget	contin-gency %
Winding and Assembly Design-Type A								
1403-319	MCWF studs,modifications-Type A	18MAY05*	5*	24MAY05	323		5,889.60	40
1403-320	Cladding assembly-Type A	25MAY05*	10*	08JUN05	313		11,779.20	40
1403-301	Leads & crossover Dwgs (10)-Type A	25MAY05*	5*	01JUN05	318		5,889.60	40
1403-300	Winding pack assy Dwgs (8)-Type A	25MAY05*	5*	01JUN05	318		5,889.60	40
1403-321	Lead ends & closure-Type A	02JUN05*	5*	08JUN05	313		5,889.60	40
1403-322	Terminal assembly-Type A	09JUN05*	5*	15JUN05	308		5,889.60	40
1403-304	Chill Plate Dwgs (66)-Type A	02JUN05*	10*	15JUN05	308		11,779.20	40
1403-324	VPI mold assembly0-Type A	16JUN05*	5*	22JUN05	303		5,889.60	40
1403-303	Clamp Dwgs (5)-Type A	16JUN05*	5*	22JUN05	303		5,889.60	40
1403-306	Cooling, Electr Schematic Dwgs (1)-Type A	16MAY05*	5*	20MAY05	325		5,889.60	40
1403-308	I&C Dwgs (1) -Type A	25MAY05*	5*	01JUN05	318		5,889.60	40
1403-323	Top level coil assembly-Type A	23JUN05*	5*	29JUN05	298		5,889.60	40
1403-58A	Check and promote models / drawings -Type A	06JUL05*	5*	12JUL05	290		5,889.60	40
1403-904	Update cost/sched estimates&Design Basis doc.	04AUG05*	5*	10AUG05	269		5,889.60	40
1403-900	Prep FDR Documentation	01AUG05*	3*	03AUG05	274		2,944.80	40
1403-71	FDR Production Type A Mod Coil Winding		0	10AUG05*	269		0.00	40
1403-901	Resolve FDR comments	10AUG05*	3*	12AUG05	320		2,944.80	40
1403-902	Update build-to spec	27JUL05*	3*	29JUL05	330		2,944.80	40
1403-71.05	Update MIT/QA Plans for Type A Winding Fab	10AUG05*	3*	12AUG05	320		2,944.80	40
1403-71.1	Fab Readiness Review - Production Type A		0	12AUG05*	320		0.00	40
Twisted Racetrack Design (Williamson)								
1406-097	Verify Conductor Dims	01OCT03A	3	03OCT03A		100	2,573.80	40
1406-098	Complete Drawings of Casting	13OCT03A	21	26NOV03A		100	15,442.80	40
1406-099	Review/Approve Casting Drawings	26NOV03A	10	26NOV03A		100	15,442.80	40
1406-101	Prepare Clamp & Chill Plate detail Drawings	14MAY04A	99*	30SEP04A		100	50,703.86	40
1406-101.1	Winding block dwgs for prototype leads?????????	01JUN04A	87*	30SEP04A		100	20,590.40	40
1406-105	Prepare ANSYS thermal analysis model	31OCT03A	3	31OCT03A		100	2,573.80	40
1406-106	Analyze Thermal Behavior due to pulse	31OCT03A	3	31OCT03A		100	2,573.80	40
1406-107	Calculate EM Loads due to max current	03NOV03A	3	26NOV03A		100	5,147.60	40
1406-108	Prep MECHANICA Struct Analysis Model	03NOV03A	3	26NOV03A		100	5,147.60	40
1406-109	Analyze Stress/deflection due to cooldown,pulse	01SEP04A	5*	30SEP04A		100	5,147.60	40
1406-111	Write papers and present at conferences	01SEP04A	241*	30SEP04A		100	30,885.60	40
1406-102	Review/Approve Clamp& Chill Plate Dwgs	01JUN04A	95*	13OCT04	1,249	90	21,915.16	40
1406-103.1	Prepare for Twisted Racetrack FDR	01SEP04A	32*	15OCT04	147	70	16,208.00	40
1406-104	Prepare Draft of Coil Test Plan	01OCT03A	254*	06OCT04	269	75	5,159.29	40
1406-110	Finalize, Approve coil test plan	01DEC03A	241*	15NOV04	241	75	10,492.25	40
1406-103.0	Prep MIT plan	01OCT04*	4*	06OCT04	1,254		2,686.24	40
1406-103.2	Twisted Racetrack FDR		0	15OCT04*	147		0.00	40
1406-103.3	Resolve TRC FDR Issues	07OCT04*	4*	12OCT04	1,250		2,355.84	40



Run Date **22NOV04 10:31**

CD-3 Proposed Baseline
Progress Bar
Critical Activity

EC18

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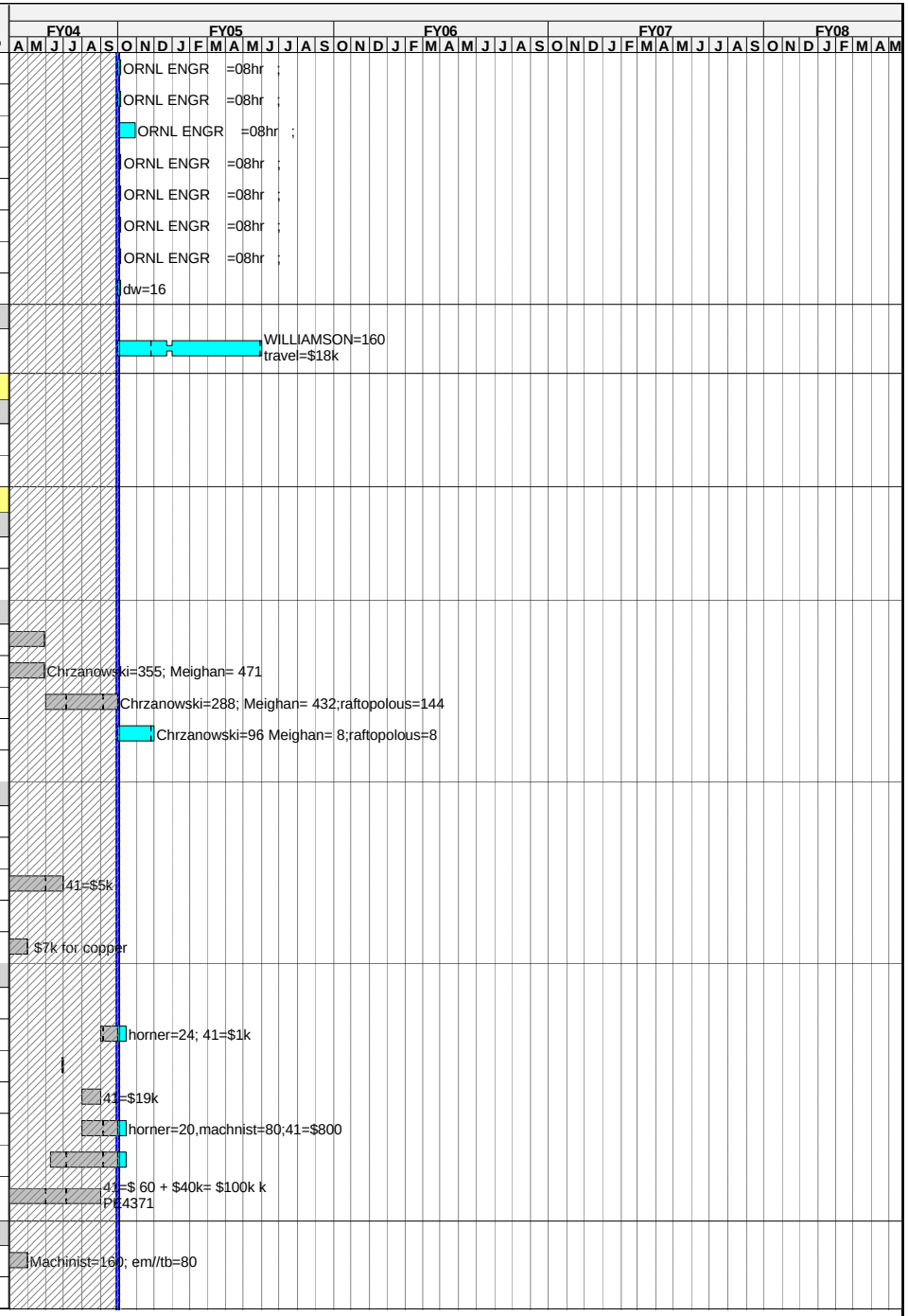
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Budget	contin-gency %
1406-150	Winding pack assy	01OCT04*	2*	04OCT04	1,256		1,177.92	40
1406-151	Lead ends & closure	01OCT04*	2*	04OCT04	1,256		1,177.92	40
1406-152	Terminal Assy	04OCT04*	20*	29OCT04	1,237		1,177.92	40
1406-153	VPI mold assy	05OCT04*	1*	05OCT04	1,255		1,177.92	40
1406-154	Clamp assy	06OCT04*	1*	06OCT04	1,254		1,177.92	40
1406-155	Cooling ,electr schematics	05OCT04*	1*	05OCT04	1,255		1,177.92	40
1406-156	I&C dwgs	06OCT04*	1*	06OCT04	1,254		1,177.92	40
1406-157	Build to specification	01OCT04*	4*	06OCT04	1,254		2,355.84	40
TITLE2TRC	Titel III Design-TRC FAB	01OCT04*	164*	31MAY05	1,094		54,842.40	40
Job: 1405-Mod Coil Winding R&D Prep-CHRZANOWSKI								
0000								
1405-002	Apr-Sep YTD MIE Cost ORNL	01APR03A	64*	30MAY03A			0.00	0
1405-003	Apr-Sep YTD MIE Cost PPPL	01APR03A	64*	30MAY03A			168,070.00	0
Job: 1406 - Mod. Coil Winding R&D-CHRZANOWSKI								
0000								
1406-0002	Apr-Sep YTD MIE Cost ORNL	01APR03A	64*	30SEP03A		100	0.00	0
1406-0003	Apr-Sep YTD MIE Cost PPPL	01APR03A	64*	30SEP03A		100	831,120.00	0
Oversight & Supervision								
1406-049	Increased cost of FDR support ECP 11	01OCT03A	20	28MAY04A		100	292,000.00	40
1406-000	Supervision & Oversight	01OCT03A	180	28MAY04A		LOE	106,644.80	40
1406-000.1	Supervision & Oversight	01JUN04A	86*	30SEP04A		LOE	114,912.00	40
1406-000.2	Supervision & Oversight	01OCT04*	41*	30NOV04	1,217	LOE	39,362.76	40
1406-048	Testing & Strain Gauge Design	01OCT03A	20	31OCT03A		100	24,253.50	40
Keystone R&D								
1406-001	Purchase 10 spools conductor (twisted racetrack)	03NOV03A	40*	23DEC03A		100	7,644.00	40
1406-003	Purchase 8 spools conductor (long twisted windin	03NOV03A	40*	23DEC03A		100	7,644.00	40
1406-005	Purchase epoxy & Insulation	03NOV03A	163*	30JUN04A		100	5,516.42	40
1406-010	Keystone Test for New Conductor	02JAN04A	41*	27FEB04A		100	6,144.00	40
1406-011	Purchase add'l copper Conductor	01MAR04A	45*	30APR04A		100	8,918.00	40
Twisted Racetrack Hardware Fabrication (Chrzano								
1406-014	Bid, Evaluate and Award Casting to EIO or JPP	01DEC03A	28	23DEC03A		100	0.00	40
1406-016.5	PPPL Fabricate TRC Cladding	01SEP04A	31*	14OCT04	148	75	3,175.59	40
1406-016.8	order trc clamps	29JUN04A	1	29JUN04A		100	0.00	40
1406-016.9	fab trc clamps	02AUG04A	37	31AUG04A		100	24,206.00	40
1406-016.A	fab trc lead components	01AUG04A	54	15OCT04	162	70	11,066.83	40
1406-016.B	write procedures, doc mit/qa plan	09JUN04A	90*	14OCT04	148	70	0.00	40
1406-016	Procure casting from EIO (new scope)	02FEB04A	150*	31AUG04A		100	127,387.26	40
Testing								
1406-029	Fab New Specimen Molds	01DEC03A	107*	30APR04A		100	22,992.00	40
1406-029.1	Design samples	01MAR04A	15	31MAR04A		100	0.00	40



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CD-3 Proposed Baseline
Progress Bar
Critical Activity

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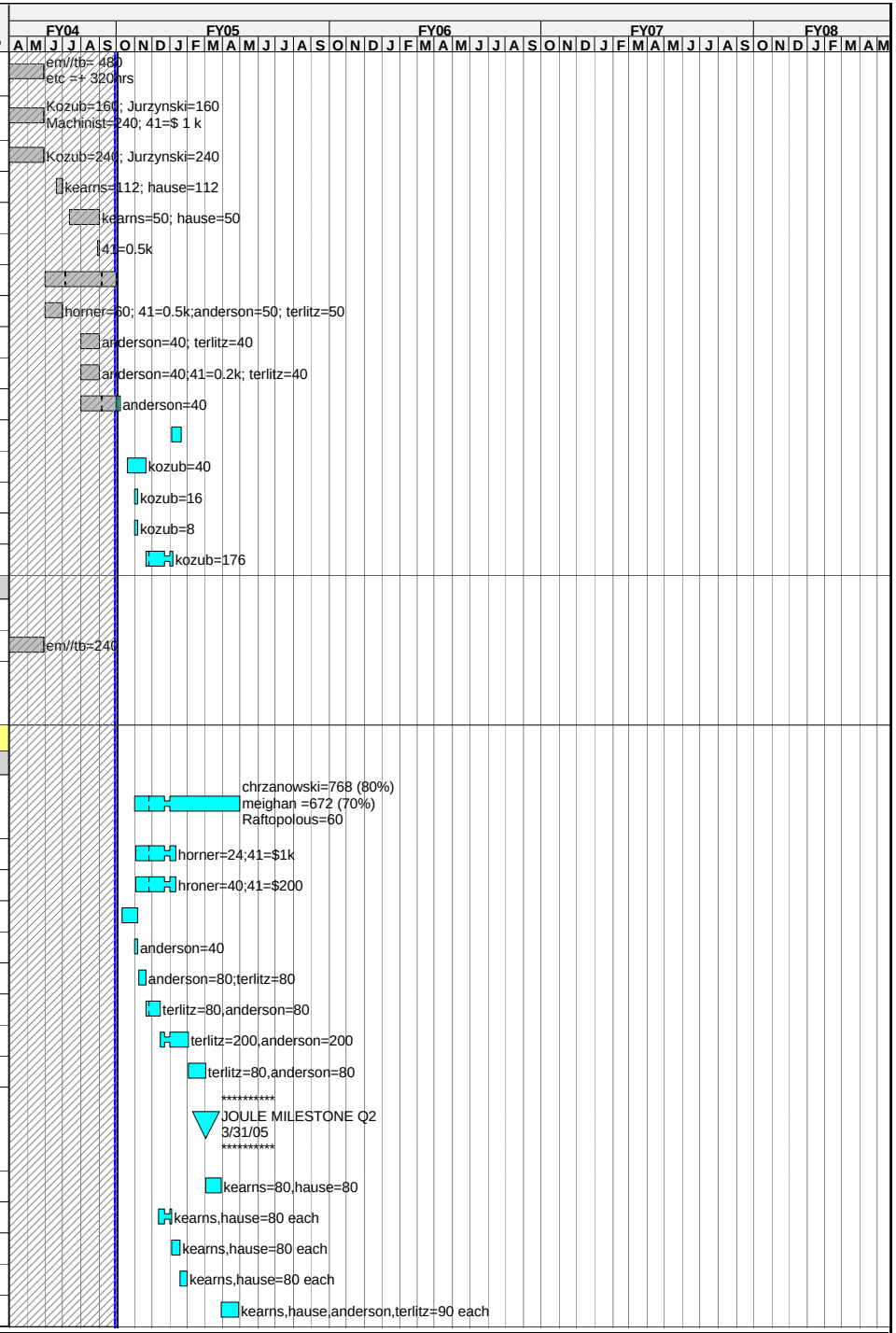
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Budget	contin-gency %
1406-030	Fab & Pot samples	26JAN04A	108*	28MAY04A		100	31,334.40	40
1406-031	Prep fixtures and test equipt	03NOV03A	141	28MAY04A		100	69,234.00	40
1406-032	Test samples	01MAR04A	65	28MAY04A		100	51,225.60	40
1406-50	Fab Straight Tee Specimen	21JUN04A	14*	30JUN04A		100	17,203.20	40
1406-51	VPI Tee specimen	12JUL04A	37*	31AUG04A		100	7,680.00	40
1406-52	Ship Tee specimen to ORNL	31AUG04A	5	31AUG04A		100	637.00	40
1406-54	Complete shear modulus & cyclic testing	01JUN04A	125*	30SEP04A		100	32,277.70	40
1406-55	Fab chill plate specimens	01JUN04A	24	30JUN04A		100	12,925.00	40
1406-56	test chill plate specimens	01AUG04A	0*	31AUG04A		100	6,144.00	40
1406-57	fab cooling tube/chill plate assy	01AUG04A	5	31AUG04A		100	6,398.80	40
1406-58	fab MC lead braze specimens	01AUG04A	5	07OCT04	216	90	3,083.46	40
1406-033	Prepare Test report	04JAN05*	13*	20JAN05	1,186		0.00	40
1406-100	Single conductor torsion test	20OCT04*	23	19NOV04	1,222		6,699.60	40
1406-200	Transverse compression at LN2	01NOV04*	5	05NOV04	1,232		2,679.84	40
1406-210	Dogbone test @RT	01NOV04*	5	05NOV04	1,232		1,339.92	40
1406-215	4 turn racetrack fatigue tests	22NOV04*	25	05JAN05	1,197		29,478.24	40
"inchworm" Twisted Winding								
1406-119	Join straight sections w/2 end loops	01OCT03A	79*	30JAN04A		100	31,590.00	40
1406-120	Wind Conductor	30JAN04A	86*	28MAY04A		100	18,432.00	40
1406-040	JOULE MILESTONE #2-Begin winding on 3D surface	30JAN04A	0			100	0.00	40
Job: 1410 MC Twisted Racetrack Fabr-CHRZANOWSKI								
Twisted Racetrack Hardware Fabrication (Chrzano								
1406-016.0	Oversight & Supervision	01NOV04*	122*	29APR05	1,115		212,153.40	40
1406-016.6	PPPL Fabricate TRC Chill plates	05NOV04*	40	11JAN05	138		2,950.95	40
1406-016.7	PPPL Fabricate TRC Tubing	05NOV04*	40	11JAN05	138		3,459.80	40
1406-016.1	Inspect & Measure Casting	11OCT04*	20	05NOV04	132		0.00	40
1406-016.2	Install Studs	01NOV04*	5	05NOV04	122		3,182.00	40
1406-106.3	Winding Trials (wo/ cladding)	08NOV04	10	19NOV04	122		12,728.00	40
1406-017	Instl cladding(station 2)	22NOV04	15	14DEC04	122		12,728.00	40
1406-017.1	Instl grnd wrap & wind coil(station 2)	15DEC04	30	02FEB05	122		31,820.00	40
1406-017.2	Instl chill plates & tubing (station 2)	03FEB05	20	02MAR05	122		12,728.00	40
1406-017.3	Cmplt Assy of twisted racetrack (Joule milestone		0	02MAR05	1,157		0.00	40
1406-018	Apply bag mold (station 4)	03MAR05	20	30MAR05	122		12,728.00	40
1406-ST1	Fab Straight Tee Specimen	13DEC04*	10	03JAN05	164		12,728.00	40
1406-ST2	Straight Tee VPI Prep	04JAN05	10	17JAN05	164		12,728.00	40
1406-ST3	VPI Tee Specimen	18JAN05	10	31JAN05	164		12,728.00	40
1406-019	VPI TRC in autoclave	31MAR05	20	27APR05	122		28,638.00	40



Run Date **22NOV04 10:31**

CD-3 Proposed Baseline
Progress Bar
Critical Activity

EC18

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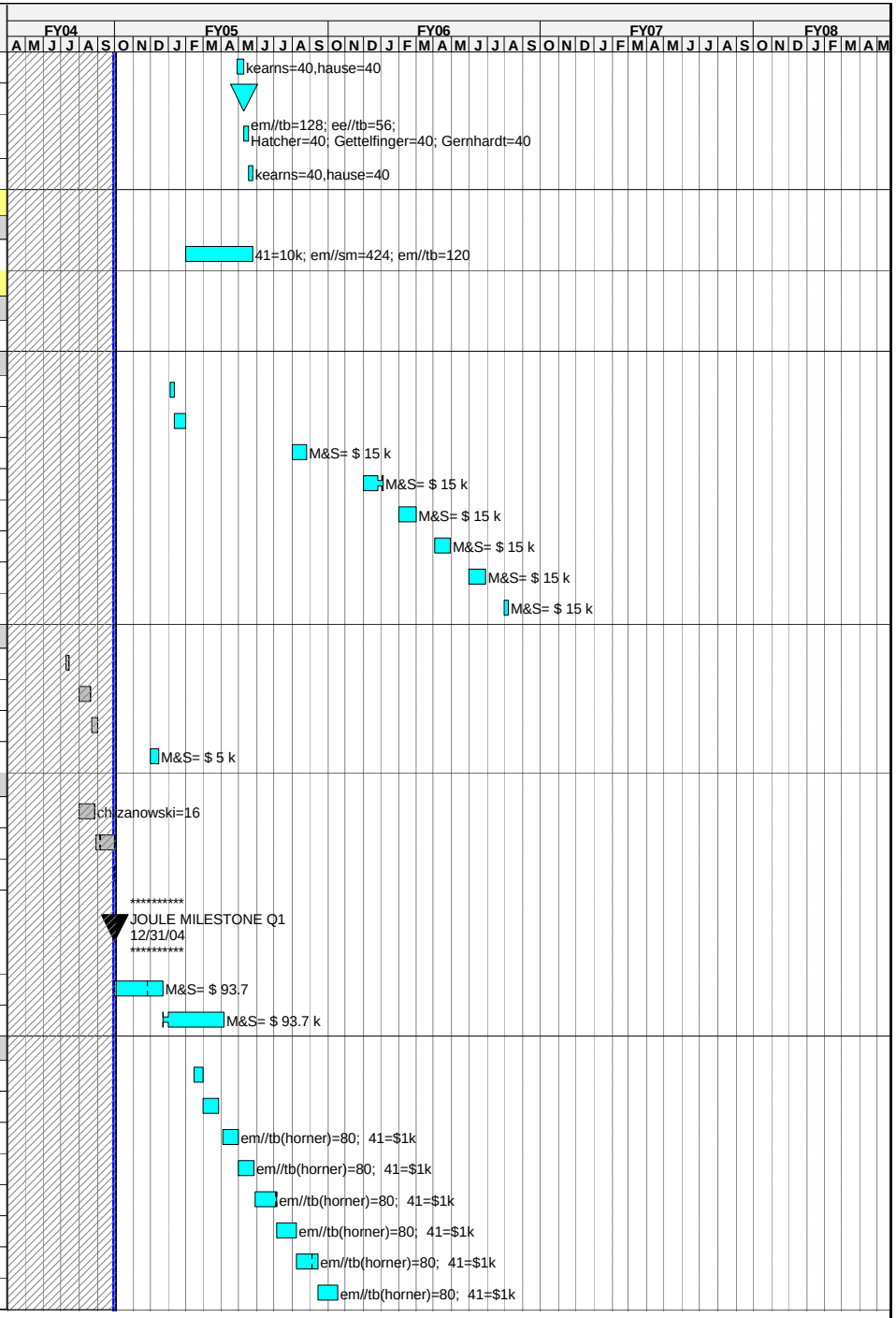
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Budget	contin-gency %
1406-019.1	Instl permanent clamps	28APR05	10	11MAY05	122		12,728.00	40
1406-020	Begin Testing of Twisted RT in Coil test Stand	12MAY05	0		122		0.00	40
1406-021	Test Coil	12MAY05	5	18MAY05	122		32,284.72	40
1406-023	Dissect Coil	19MAY05	5	25MAY05	122		6,364.00	40
Job: 1412 - Complete Winding Facilities-CHRZANOW								
Remaining fixtures & tooling								
1408-999	3rd winding line conductor payout sys	01FEB05*	82	25MAY05	170		69,584.16	40
Job:1408-Mod Coil Winding Supplies-CHRZANOWSKI								
0000								
1408-001	Apr-Sep YTD MIE Cost PPPL	01APR03A	64	30SEP03A		100	29,790.00	0
Epoxy								
1408-111	Epoxy - Requisition	04JAN05*	5	10JAN05	310		0.00	40
1408-114	Epoxy -Evaluate Bids & Award	11JAN05	15	31JAN05	310		0.00	40
1408-117	Epoxy -1st Delivery for Production	01AUG05*	20	26AUG05	183		20,835.00	40
1408-119	Epoxy -2nd Delivery for Production	01DEC05*	20	05JAN06	140		19,350.00	40
1408-121	Epoxy -3rd Delivery for Production	01FEB06*	20	28FEB06	142		19,350.00	40
1408-123	Epoxy -4th Delivery for Production	03APR06*	20	28APR06	135		19,350.00	40
1408-125	Epoxy -5th Delivery for Production	01JUN06*	20	28JUN06	129		19,350.00	40
1408-127	Epoxy -6th Delivery for Production	01AUG06*	5	07AUG06	135		19,350.00	40
Insulation for conductor								
1408-101	Insulation-Spec & Requisition	09JUL04A	3*	13JUL04A		100	0.00	40
1408-103	Insulation-Prep & Issue RFQ/RFP	01AUG04A	10	20AUG04A		100	0.00	40
1408-104	Insulation-Evaluate Bids & Award	23AUG04A	5	31AUG04A		100	0.00	40
1408-107	Insulation-Delivery for Production	01DEC04*	11	15DEC04	231		6,945.00	40
Copper Conductor								
1408-141	Copper Conductor -Spec & Requisition	02AUG04A	3	27AUG04A		100	2,571.20	40
1408-142	Copper Conductor -Prep & Issue RFQ/RFP	30AUG04A	23*	30SEP04A		90	0.00	40
1408-143	Copper Conductor -Evaluate Bids & Award	30SEP04A	5	30SEP04A			0.00	40
1408-143.1	Mod Coil Copper Conductor Awarded		0	01OCT04A			0.00	40
1408-147	Copper Conductor -Delivery #1 PE005371	01OCT04*	56	21DEC04	227		130,149.30	40
1408-145	Copper Conductor -Delivery #2 PE005371	22DEC04	69	05APR05	303		130,149.30	40
Chill Plates,Cladding&Tubing								
1408-131L	Chill Plates -Spec & Requisition	15FEB05	10	28FEB05	132		0.00	40
1408-133L	Chill plates -Bid & Award Material	01MAR05	20	28MAR05	132		0.00	40
1408-137L	Chill plates ,cladsding,tubing Fab Type C1	04APR05*	20	29APR05	128		7,753.00	40
1408-137L1	Chill plates ,cladsding,tubing Fab Type C2	02MAY05	20	27MAY05	130		7,753.00	40
1408-137L2	Chill plates ,cladsding,tubing Fab Type A1	31MAY05	25	05JUL05	130		7,753.00	40
1408-137L3	Chill plates ,cladsding,tubing Fab Type C3	06JUL05	25	09AUG05	130		7,753.00	40
1408-137L4	Chill plates ,cladsding,tubing Fab Type B1	10AUG05	25	14SEP05	130		7,753.00	40
1408-137L5	Chill plates ,cladsding,tubing Fab Type A2	15SEP05	25	19OCT05	130		7,766.83	40



Run Date **22NOV04 10:31**

CD-3 Proposed Baseline
Progress Bar
Critical Activity

EC18

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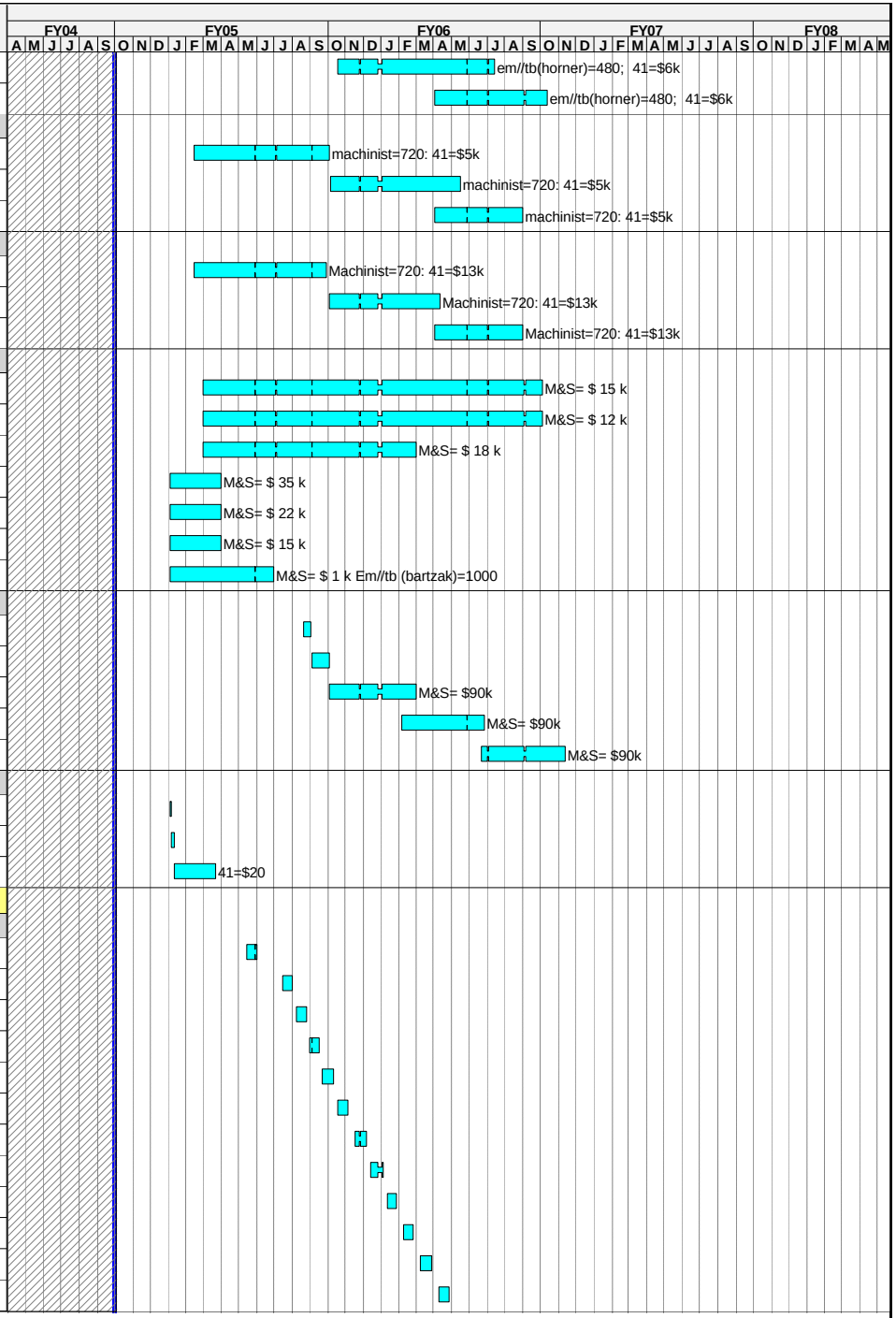
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Budget	contin-gency %
1408-138L	Chill plates ,cladsding,tubing Fab Bal of A's	20OCT05*	180	13JUL06	145		46,677.60	40
1408-139L	Chill plates ,cladsding,tubing Fab Bal of B's	03APR06*	134	11OCT06	111		46,806.49	40
G-11 Filler								
1408-153	G-11 Filler Fabrication - Production Type C	15FEB05	163	04OCT05	144		85,322.81	40
1408-154	G-11 Filler Fabrication - Production Type B	06OCT05*	150	15MAY06	125		86,370.00	40
1408-155	G-11 Filler Fabrication - Production Type A	03APR06*	105	30AUG06	114		86,370.00	40
Lead hardware								
1408-163	Lead hardware Fabrication - Production Type C	15FEB05	159	28SEP05	144		96,421.80	40
1408-164	Lead hardware Fabrication - Production Type B	03OCT05*	130	12APR06	128		96,690.00	40
1408-165	Lead hardware Fabrication - Production Type A	03APR06*	105	30AUG06	114		96,690.00	40
Other								
1408-137	Safety & Disposable supplies	01MAR05*	401	03OCT06	142		19,911.81	40
1408-138	Misc. Supplies	01MAR05*	401	03OCT06	287		15,929.45	40
1408-173	Epoxy for Shell Mold (Hysol)	01MAR05*	250	28FEB06	154		23,220.00	40
1408-183	Tubing (Chem flor and Poly)	03JAN05*	65	01APR05	160		48,615.00	40
1408-184	Vulcanizing tape, felt and RTV	03JAN05*	65	01APR05	160		30,558.00	40
1408-185	Valves and Fittings	03JAN05*	65	01APR05	160		20,835.00	40
1408-186	Manifolds	03JAN05*	127	29JUN05	195		80,939.00	40
Clamps								
1408-131P	Clamps -Spec & Requisition	22AUG05*	10	02SEP05	196		0.00	40
1408-133P	Clamps -Bid & Award	06SEP05	20	03OCT05	196		0.00	40
1408-137P	Clamps Production Type C	04OCT05	100	02MAR06	196		116,100.00	40
1408-138P	Clamps Production Type B	06FEB06*	100	26JUN06	159		116,100.00	40
1408-139P	Clamps Production Type A	22JUN06*	100	13NOV06	110		117,076.50	40
Groundwrap Insulation								
1408-110	Grndwrap Insulation-Spec & Requisition	04JAN05*	3	06JAN05	168		0.00	40
1408-112	Grndwrap-Bid & Award	07JAN05	3	11JAN05	168		0.00	40
1408-112.1	Grndwrap-Delivery	12JAN05	50	22MAR05	168		27,780.00	40
Job: 1451 - Mod Coil Winding-CHRZANOWSKI								
Station 1 Prep, Install Cladding, Final Clamps								
P1-001	Receive C1, Prep& Instl Cladding(Station 1)	16MAY05	12	01JUN05	118		0.00	40
P1-091	Receive C2, Prep& Instl Cladding(Station 1)	15JUL05	12	01AUG05	104		0.00	40
P2-001	Receive A-1, Prep& Instl Cladding(Station 1)	09AUG05	12	24AUG05	107		0.00	40
P2-091	Receive C3, Prep& Instl Cladding(Station 1)	31AUG05	12	16SEP05	125		0.00	40
P3-001	Receive B1, Prep& Instl Cladding(Station 1)	23SEP05	12	10OCT05	137		0.00	40
P3-091	Receive A2, Prep& Instl Cladding(Station 1)	20OCT05	12	04NOV05	130		0.00	40
P1-031	Receive A3, Prep& Instl Cladding(Station 1)	16NOV05	12	05DEC05	134		0.00	40
P1-121	Receive A4, Prep& Instl Cladding(Station 1)	13DEC05	12	05JAN06	145		0.00	40
P2-031	Receive A5, Prep& Instl Cladding(Station 1)	11JAN06	12	26JAN06	142		0.00	40
P2-121	Receive A6, Prep& Instl Cladding(Station 1)	09FEB06	12	24FEB06	149		0.00	40
P3-031	Receive B2, Prep& Instl Cladding(Station 1)	10MAR06	12	27MAR06	140		0.00	40
P3-121	Receive B3, Prep& Instl Cladding(Station 1)	10APR06	12	25APR06	131		0.00	40



Run Date **22NOV04 10:31**

CD-3 Proposed Baseline
Progress Bar
Critical Activity

EC18

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ECP 18

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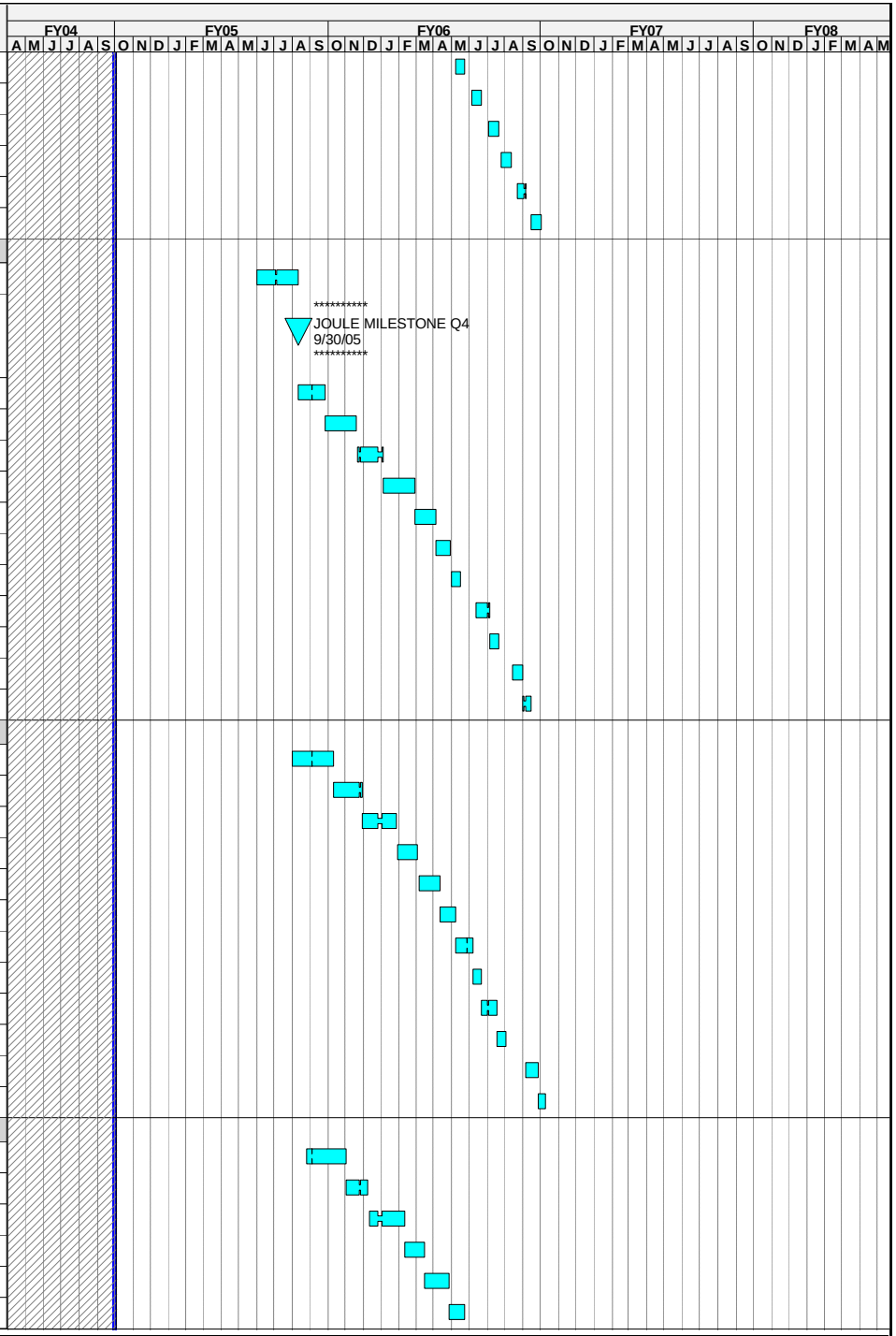
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Budget	contin-gency %
P1-061	Receive B4, Prep& Instl Cladding(Station 1A)	09MAY06	12	24MAY06	124		0.00	40
P1-151	Receive B5, Prep& Instl Cladding(Station 1A)	06JUN06	12	21JUN06	117		0.00	40
P2-061	Receive B6, Prep& Instl Cladding(Station 1A)	05JUL06	12	20JUL06	110		0.00	40
P2-151	Receive C4, Prep& Instl Cladding(Station 1A)	27JUL06	12	11AUG06	107		0.00	40
P3-061	Receive C5, Prep& Instl Cladding(Station 1A)	21AUG06	12	06SEP06	110		0.00	40
P3-151	Receive C6, Prep& Instl Cladding(Station 1A)	15SEP06	12	02OCT06	104		0.00	40
Station 2-Winding, Instl Chill Plates,Tubing,Bag								
P1-011	Wind coil C-1 (station 2)	02JUN05*	49	10AUG05	118		0.00	40
P1-011J	Complete Winding First Modular Coil		0	10AUG05	118		0.00	40
P1-020	Instl Chill Plates,Tubing, Bag C1 (Station 2)	11AUG05	33	27SEP05	118		0.00	40
P2-101	Wind coil C-3 (station2)	28SEP05	38	18NOV05	118		0.00	40
P2-110	Instl Chill Plates,Tubing, Bag C3(Station 2)	21NOV05	25	04JAN06	118		0.00	40
P1-041	Wind coil A3 (station 2)	05JAN06	38	27FEB06	118		0.00	40
P1-050	Instl Chl Plates,Tubing,Bag A3(Station 2)	28FEB06	25	03APR06	118		0.00	40
P2-131	Wind coil A6 (station 2)***2 SHIFT***	04APR06	19	28APR06	123		0.00	40
P2-140	Instl Chl Plates,Tubing, Bag A6(Station 2) 2shft	01MAY06	12	16MAY06	123		0.00	40
P1-071	Wind coil B4 (station 2)**2 shift	13JUN06	16	06JUL06	114		0.00	40
P1-080	Instl Chl Plates,Tubing,Bag B4(Station 2)*2 shft	07JUL06	11	21JUL06	114		0.00	40
P2-161	Wind coil C4 (station 2) **2 shift	14AUG06	14	31AUG06	107		0.00	40
P2-170	Instl Chill Plates,Tubing,Bag C4Station2)*2 shft	01SEP06	10	15SEP06	107		0.00	40
Station 3-Winding, Instl Chill Plates,Tubing,Bag								
P1-101	Wind coil C-2(station 3)	02AUG05*	49	10OCT05	104		0.00	40
P1-110	Instl Chill Plates,Tubing, Bag C2 (Station 3)	11OCT05	33	28NOV05	104		0.00	40
P3-011	Wind coil B1 (station 3)	29NOV05	38	27JAN06	104		0.00	40
P3-020	Instl Chill Plates,Tubing, Bag B1 (Station 3)	30JAN06	25	03MAR06	104		0.00	40
P1-131	Wind coil A4 (station 3) 60h/wk	06MAR06	28	12APR06	104		0.00	40
P1-140	Instl Chl Plates,Tubing,BagA4Station 3)60h/wk	13APR06	19	09MAY06	104		0.00	40
P3-041	Wind coil B2 (station 3) ***2 SHIFT***	10MAY06	19	06JUN06	109		0.00	40
P3-050	Instl Chl Plates,Tubing, BagB2Station 3)2 shft	07JUN06	12	22JUN06	109		0.00	40
P1-161	Wind coil B5 (station 3) **2 shift	23JUN06	16	18JUL06	117		0.00	40
P1-170	Instl Chill Plates,Tubing,Bag B5Station 3)*2shft	19JUL06	11	02AUG06	117		0.00	40
P3-071	Wind coil C5 (station 3) **2 shift	07SEP06	14	26SEP06	112		0.00	40
P3-080	Instl Chill Plates,Tubing,Bag C5Station 3)*2shft	27SEP06	10	10OCT06	112		0.00	40
Station 4-Winding, Instl Chill Plates,Tubing,Bag								
P2-011	Wind coil A1 (station 4)	25AUG05	49	02NOV05	107		0.00	40
P2-020	Instl Chill Plates,Tubing, Bag A1 (Station 4)	03NOV05	25	09DEC05	107		0.00	40
P3-101	Wind coil A2 (station 4)	12DEC05	38	09FEB06	107		0.00	40
P3-110	Instl Chill Plates,Tubing, Bag A2 (Station 4)	10FEB06	25	16MAR06	107		0.00	40
P2-041	Wind coil A5 (station 4) 60h/wk	17MAR06	28	25APR06	107		0.00	40
P2-050	Instl Chl Plates,Tubing,Bag A5 Station 4) 60h/w	26APR06	19	22MAY06	107		0.00	40



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CD-3 Proposed Baseline
Progress Bar
Critical Activity

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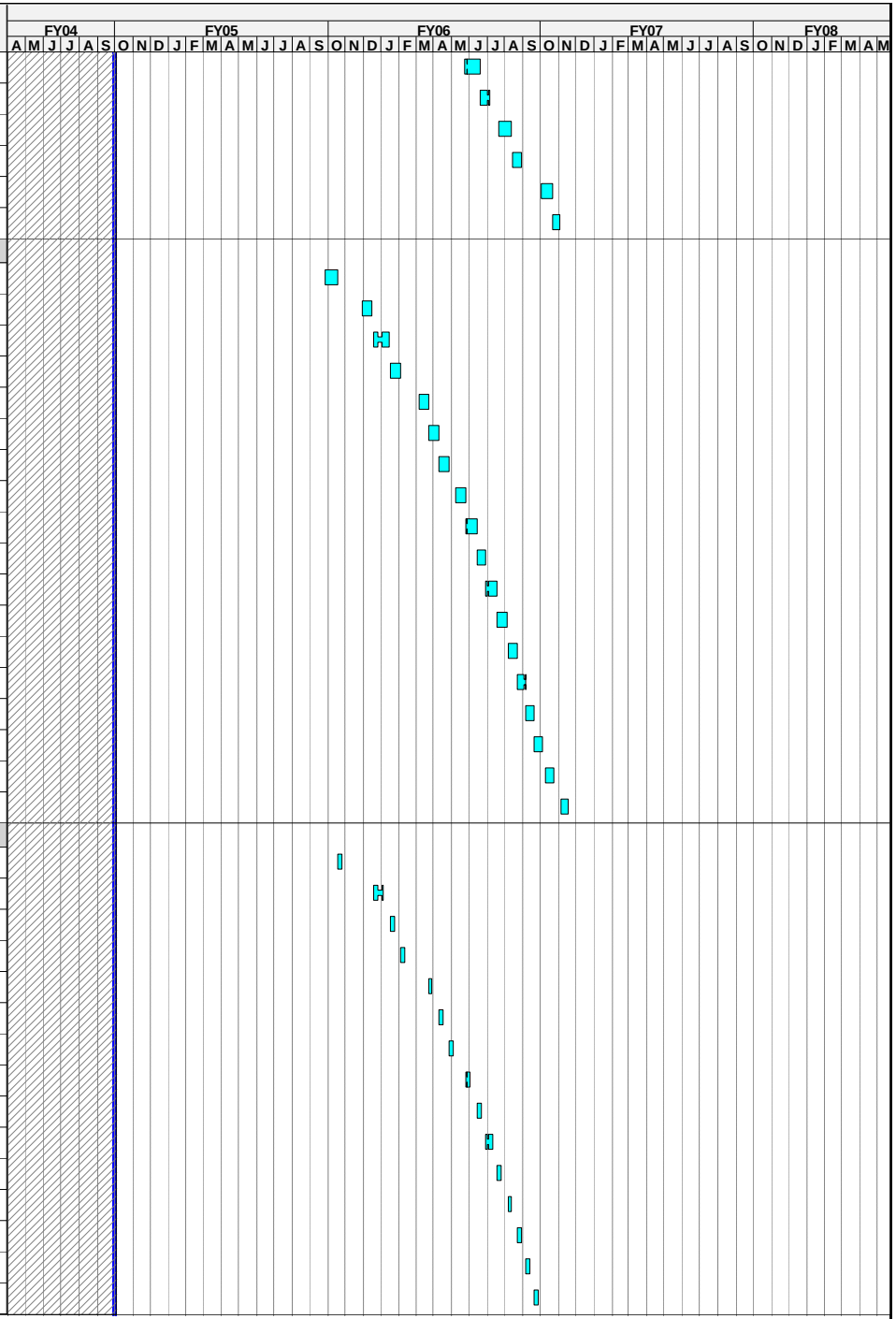
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Budget	contin-gency %
P3-131	Wind coil B3 (station 4) ***2 SHIFT**	23MAY06	19	19JUN06	112		0.00	40
P3-140	Instl Chl Plates,Tubing, Bag B3 (Station 4)2shft	20JUN06	12	07JUL06	112		0.00	40
P2-071	Wind coil B6 (station 4)**2 shift	21JUL06	16	11AUG06	110		0.00	40
P2-080	Instl Chill Plates,Tubing,Bag B6(Station 4)2shft	14AUG06	11	28AUG06	110		0.00	40
P3-161	Wind coil C6 (station 4)** 2 shift	03OCT06	14	20OCT06	104		0.00	40
P3-170	Instl Chill Plates,Tubing,BagC6Station 4)**2shft	23OCT06	10	03NOV06	104		0.00	40
Station 5-VPI								
P1-021V	VPI (Station 5) C1	28SEP05	14	17OCT05	162		0.00	40
P1-111V	VPI (Station 5) C2	29NOV05	14	16DEC05	134		0.00	40
P2-021V	VPI (Station 5) A1	19DEC05	14	13JAN06	134		0.00	40
P2-111V	VPI (Station 5) C3	16JAN06	14	02FEB06	134		0.00	40
P3-021V	VPI (Station 5) B1	06MAR06	13	22MAR06	113		0.00	40
P3-111V	VPI (Station 5) A2	23MAR06	13	10APR06	113		0.00	40
P1-051V	VPI (Station 5) A3	11APR06	12	26APR06	113		0.00	40
P1-141V	VPI (Station 5) A4	10MAY06	12	25MAY06	104		0.00	40
P2-051V	VPI (Station 5) A5	26MAY06	12	13JUN06	104		0.00	40
P2-141V	VPI (Station 5) A6	14JUN06	12	29JUN06	104		0.00	40
P3-051V	VPI (Station 5) B2	30JUN06	12	19JUL06	104		0.00	40
P3-141V	VPI (Station 5) B3	20JUL06	12	04AUG06	104		0.00	40
P1-081V	VPI (Station 5) B4	07AUG06	11	21AUG06	104		0.00	40
P1-171V	VPI (Station 5) B5	22AUG06	11	06SEP06	104		0.00	40
P2-081V	VPI (Station 5) B6	07SEP06	10	20SEP06	104		0.00	40
P3-081V	VPI (Station 5) C4	21SEP06	10	04OCT06	104		0.00	40
P2-171V	VPI (Station 5) C5	11OCT06	10	24OCT06	112		0.00	40
P3-171V	VPI (Station 5) C6	06NOV06	10	17NOV06	104		0.00	40
Station 1B Final Clamp Installation								
P1-021C	Install Clamps (Station1) C1	18OCT05	7	26OCT05	229		0.00	40
P1-111C	Install Clamps (Station1) C2	19DEC05	7	04JAN06	195		0.00	40
P2-021C	Install Clamps (Station1) A1	16JAN06	6	23JAN06	190		0.00	40
P2-111C	Install Clamps (Station1) C3	03FEB06	6	10FEB06	183		0.00	40
P3-021C	Install Clamps (Station1) B1	23MAR06	5	29MAR06	157		0.00	40
P3-111C	Install Clamps (Station1) A2	11APR06	5	17APR06	151		0.00	40
P1-051C	Install Clamps (Station1) A3	27APR06	5	03MAY06	146		0.00	40
P1-141C	Install Clamps (Station1) A4	26MAY06	5	02JUN06	132		0.00	40
P2-051C	Install Clamps (Station1) A5	14JUN06	5	20JUN06	127		0.00	40
P2-141C	Install Clamps (Station1) A6	30JUN06	5	10JUL06	122		0.00	40
P3-051C	Install Clamps (Station1) B2	20JUL06	5	26JUL06	117		0.00	40
P3-141C	Install Clamps (Station1) B3	07AUG06	5	11AUG06	118		0.00	40
P1-081C	Install Clamps (Station1) B4	22AUG06	5	28AUG06	114		0.00	40
P1-171C	Install Clamps (Station1) B5	07SEP06	5	13SEP06	110		0.00	40
P2-081C	Install Clamps (Station1) B6	21SEP06	5	27SEP06	107		0.00	40



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CD-3 Proposed Baseline
Progress Bar
Critical Activity

EC18

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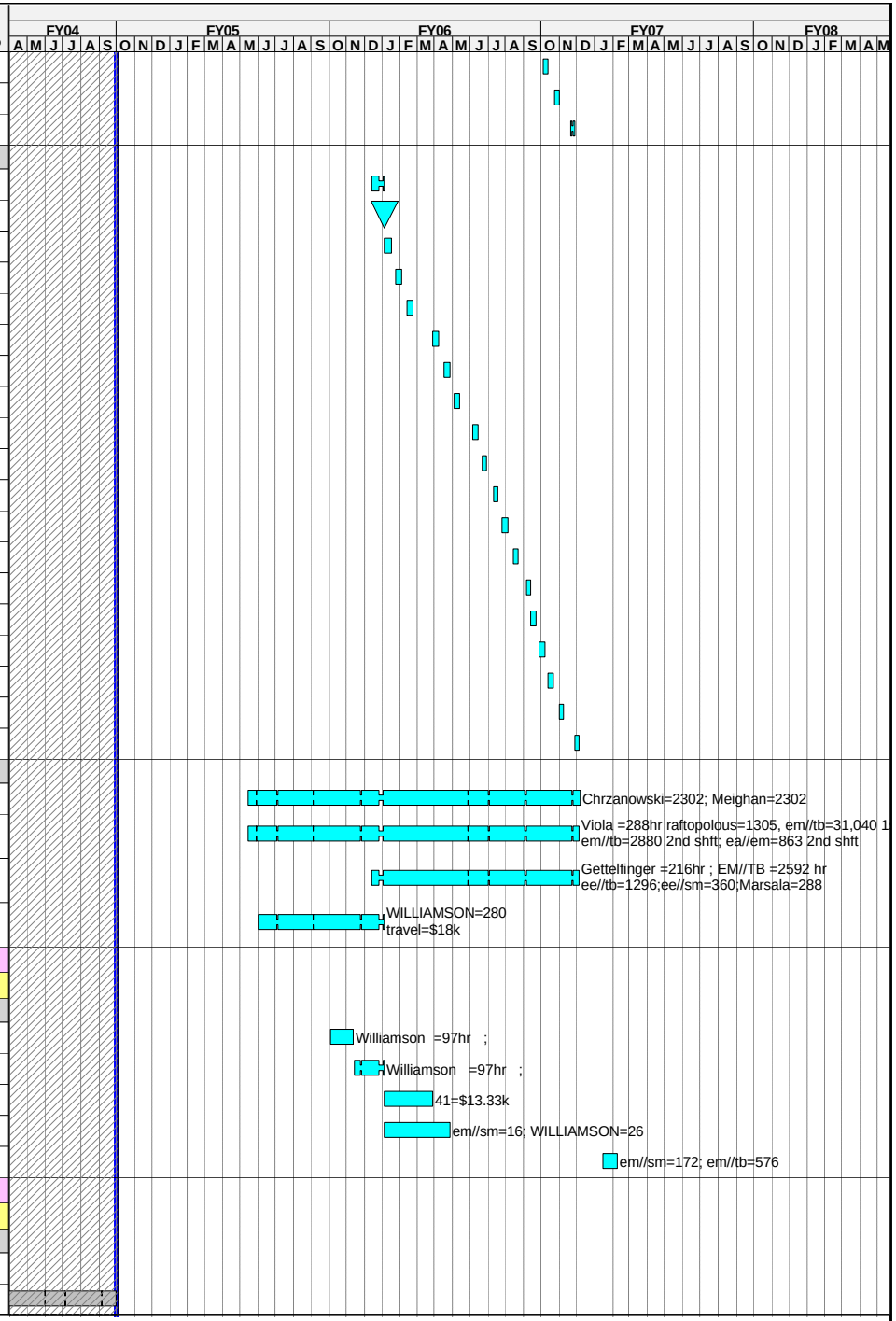
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Budget	contin-gency %
P3-081C	Install Clamps (Station1) C4	05OCT06	5	11OCT06	104		0.00	40
P3-171C	Install Clamps (Station1) C5	25OCT06	4	30OCT06	113		0.00	40
P2-171C	Install Clamps (Station1) C6	20NOV06	4	27NOV06	104		0.00	40
Station 6- Coil Test Facility								
P1-021	Test Coil (Coil Test Stand) C1	15DEC05	8	03JAN06	196		0.00	40
P1-021.1	Complete First Mod Coil Fabrication C1		0	03JAN06	196		0.00	40
P1-111	Test Coil (Coil Test Stand) C2	05JAN06	8	16JAN06	195		0.00	40
P2-021	Test Coil (Coil Test Stand) A1	24JAN06	7	01FEB06	190		0.00	40
P2-111	Test Coil (Coil Test Stand) C3	13FEB06	7	21FEB06	183		0.00	40
P3-021	Test Coil (Coil Test Stand) B1	30MAR06	7	07APR06	157		0.00	40
P3-111	Test Coil (Coil Test Stand) A2	18APR06	7	26APR06	151		0.00	40
P1-051	Test Coil (Coil Test Stand) A3	04MAY06	7	12MAY06	146		0.00	40
P1-141	Test Coil (Coil Test Stand) A4	05JUN06	7	13JUN06	132		0.00	40
P2-051	Test Coil (Coil Test Stand) A5	21JUN06	7	29JUN06	127		0.00	40
P2-141	Test Coil (Coil Test Stand) A6	11JUL06	7	19JUL06	122		0.00	40
P3-051	Test Coil (Coil Test Stand) B2	27JUL06	7	04AUG06	117		0.00	40
P3-141	Test Coil (Coil Test Stand) B3	14AUG06	7	22AUG06	118		0.00	40
P1-081	Test Coil (Coil Test Stand) B4	05SEP06	7	13SEP06	110		0.00	40
P1-171	Test Coil (Coil Test Stand) B5	14SEP06	7	22SEP06	110		0.00	40
P2-081	Test Coil (Coil Test Stand) B6	28SEP06	7	06OCT06	107		0.00	40
P2-171	Test Coil (Coil Test Stand) C4	12OCT06	7	20OCT06	104		0.00	40
P3-171	Test Coil (Coil Test Stand) C5	31OCT06	6	07NOV06	113		0.00	40
P3-081	Test Coil (Coil Test Stand) C6	28NOV06	6	05DEC06	104		0.00	40
LABR								
171-040	Winding Oversight (LOE)	16MAY05*	391	06DEC06	714		650,356.51	40
171-041	Modular Coil Winding (18 coils)	16MAY05	390*	05DEC06	104		3,175,023.06	40
171-041CT	PBR Increment for cold testing	15DEC05	242*	05DEC06	104		444,062.79	40
TITLE3WIND	Titel III Design-PRODUCTION WINDING	01JUN05*	145*	03JAN06	949		72,489.23	40
143 - Modular Coil Local I&C								
Job: 1431 - Modular Coil Local I&C								
174-001	Title I design WBS 143 Mod coil local I&C	03OCT05*	30	11NOV05	868		14,252.83	24
174-011	Title II design WBS 143 Mod coil local I&C	14NOV05	30	04JAN06	868		14,252.83	24
174-035	Modular Coil local I&C -Procurement	05JAN06	60	29MAR06	866		17,195.70	24
174-036	Modular Coil local I&C -Title III	05JAN06	80	26APR06	866		5,604.24	24
174-037	Modular Coil local I&C -Install	15JAN07*	20	09FEB07	671		69,110.28	24
144 - Modular Coil Winding Facility & Fixtures								
Job: 1407 -Mod Coil Winding Facility-CHRZANOWSKI								
0000								
1407-001	Apr-Sep YTD MIE Cost PPPL	01APR03A	64*	30SEP03A		100	267,550.00	0
1407-ECP16	ecp16	01OCT03A	64*	30SEP04A		100	507,000.00	0



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CD-3 Proposed Baseline
Progress Bar
Critical Activity

EC18

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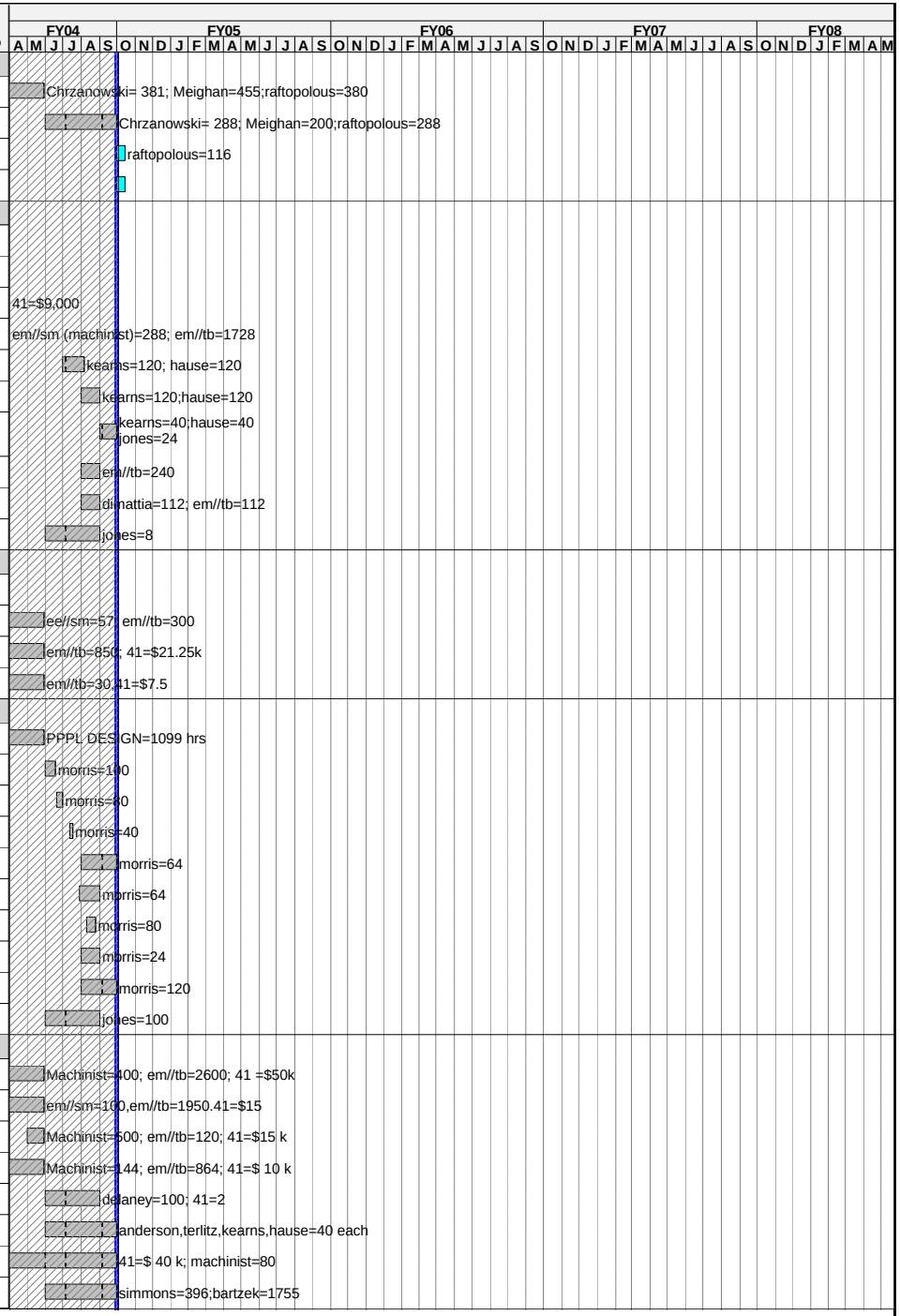
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Budget	contin-gency %
Oversight and Supervision								
1407-002	Winding Facility, Tooling, Materials Oversight	01OCT03A	186*	28MAY04A		100	170,204.20	34
1407.002.2	Winding Facility, Tooling, Materials Oversight	01JUN04A	86*	30SEP04A		100	113,623.20	34
1407.002.3	Winding Facility, Tooling, Materials Oversight	01OCT04*	11*	15OCT04	1,247	LOE	19,475.24	34
1407-002.1	Prep Winding Facility Ops Plan(reqd for TRT FRR)	01OCT04	10	14OCT04	1,248	LOE	0.00	34
Autoclave								
1407-005	Domes & cylinder Fab & Deliver (PE4226)	01DEC03A	18	23DEC03A		100	20,167.42	34
1407-006.2	Blower/Elec HW- Fab & Deliver (PE 4218)	31OCT03A	18	31OCT03A		100	509.60	34
1407-008	Remaining Autoclave components-Deliver	01OCT03A	49	31MAR04A		100	11,466.00	34
1407-011	Fabricate Autoclave	01OCT03A	128*	31MAR04A		100	163,036.80	34
1407-011.1	Autoclave assembly	01JUL04A	26*	06AUG04A		100	18,432.00	34
1407-011.2	Rebuild vacuum pumps (2)	01AUG04A	15	31AUG04A		100	18,432.00	34
1407-012	Autoclave PTP	01SEP04A	5	30SEP04A		100	8,668.80	34
1407.011.3	Fab & Install vacuum lines	01AUG04A	15	31AUG04A		100	18,432.00	34
1407.011.4	Instl insulation on autoclave	02AUG04A	14	31AUG04A		100	17,203.20	34
1407.011.5	Write autoclave PTP	01JUN04A	9	31AUG04A		100	841.60	34
Area Preparation								
1407-200	Decon TFTR test Cell Crane	26NOV03A	20	26NOV03A		N/R	18,432.00	34
1407-202	Setup facility stations	01MAR04A	118*	28MAY04A		100	29,161.80	34
1407-204	Build cleanrooms (2) locations	02FEB04A	128*	28MAY04A		100	92,352.50	34
1407-204.2	Build cleanroom (1 add'l) **2nd line**	02FEB04A	171*	28MAY04A		100	32,595.00	28
Design Activities								
1407-003	Winding Facility, Tooling, Design	01OCT03A	207*	28MAY04A		100	115,614.80	34
1407-003.1	Facility Drawings	01JUN04A	14*	18JUN04A		100	10,520.00	34
1407-003.2	Final Drawings for winding clamps	21JUN04A	10*	30JUN04A		100	8,416.00	34
1407-003.3	Final Drawings -type C casting supports	12JUL04A	5*	16JUL04A		100	4,208.00	34
1407-003.4	Final Drawings -casting to ring fixture	02AUG04A	43*	30SEP04A		100	6,732.80	34
1407-003.5	Final Drawings -Type A casting supports	29JUL04A	24*	31AUG04A		100	6,732.80	34
1407-003.6	Final Drawings -Type B casting supports	10AUG04A	11*	24AUG04A		100	8,416.00	34
1407-003.7	Final Drawings -casting stud fixture	01AUG04A	0*	31AUG04A		100	2,524.80	34
1407-003.8	Misc Drawings (ecn's etc)	01AUG04A	54*	30SEP04A		100	12,624.00	34
1407-003.9	Electrical design support/oversight	01JUN04A	86*	31AUG04A		100	10,520.00	34
Remaining fixtures & tooling								
1407-100	Fabricate turning fixtures and coil supports	01DEC03A	166*	28MAY04A		100	245,050.00	34
1407-100.2	Fabr turning fixt&coil supports **2nd line**	02FEB04A	128*	28MAY04A		100	131,313.00	28
1407-110	Fabricate Winding clamp sets (125)	01MAY04A	40	28MAY04A		100	40,488.00	34
1407-115	Fabricate Conductor payout spool system	01MAR04A	119*	28MAY04A		100	94,258.40	34
1407-115.2	Fabr Conduct payout spool syst ** 2nd line**	01JUN04A	65*	31AUG04A		100	13,078.00	28
1407-128	Setup facility stations 2&5	01JUN04A	86*	30SEP04A		100	12,288.00	34
1407-130	Misc tools & equipt FY04	02FEB04A	171*	30SEP04A		100	29,692.00	34
1407-100.3	Fab & Instl Turning Fixt 2,3&4	01JUN04A	107*	30SEP04A		100	176,482.80	28



Run Date **22NOV04 10:31**

CD-3 Proposed Baseline
Progress Bar
Critical Activity

EC18

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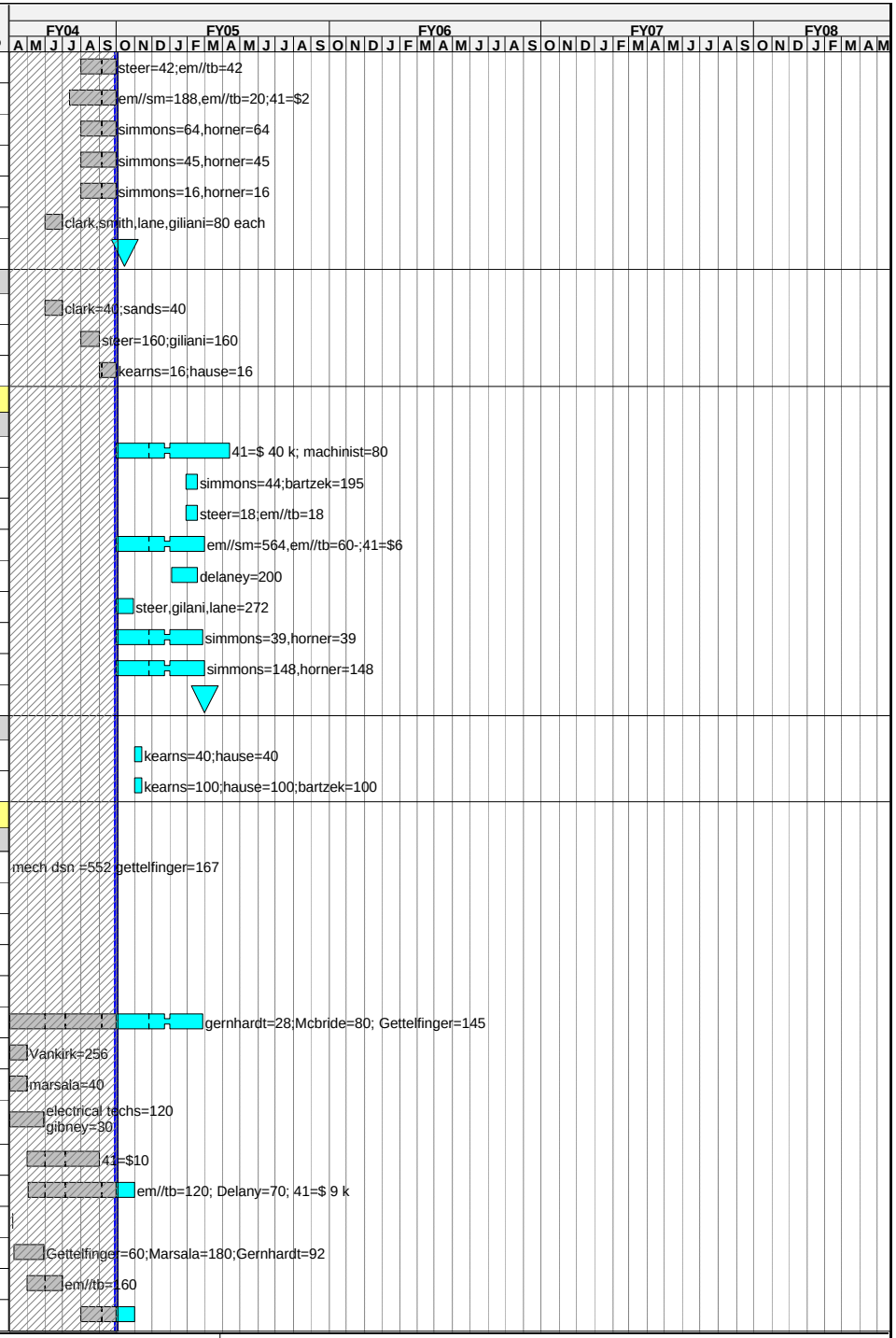
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Budget	contin-gency %
1407-100.4	Electr hookup turning fixtures 2,3&4	01AUG04A	64*	30SEP04A		100	7,648.20	28
1407-110.2	Compl Fabr Winding clamp sets (100 of 400)	12JUL04A	58*	30SEP04A		100	23,880.40	28
1407-125	Fab Type C casting supports (6) sets	02AUG04A	15	30SEP04A		100	9,830.40	34
1407-126	Fab Type A casting supports (6) sets	02AUG04A	65*	30SEP04A		100	6,912.00	34
1407-127	Fab Type B casting supports (6) sets	02AUG04A	65*	30SEP04A		100	2,457.60	34
1407-135	construct cleanroom mech and electrical	01JUN04A	22*	30JUN04A		100	24,576.00	34
1407-199	Winding Facility ACC Rvw stations 2&5		0	15OCT04*	147		0.00	34
VPI Preparations								
1407-105	Anchor VPI platforms	01JUN04A	4*	30JUN04A		100	6,144.00	34
1407-106	Instl electric to VPI platforms & cntrl panel	01AUG04A	0*	31AUG04A		100	24,576.00	34
1407-108	Mount mixing tanks onto VPI platforms	01SEP04A	2	30SEP04A		100	2,457.60	34
Job: 1412 - Complete Winding Facilities-CHRZANOW								
Remaining fixtures & tooling								
1407-130.1	Misc tools & equipt FY05	01OCT04*	130	12APR05	1,128		32,133.60	34
1407-100.5	Complete Fab & Instl Turning Fixt 4	28JAN05*	15	17FEB05	179		20,301.21	28
1407-100.6	Complete Electr hookup turning fixtures 4	28JAN05*	15	17FEB05	179		3,391.02	28
1407-110.3	Compl Fabr Winding clamp sets (300 of 400)	01OCT04*	99*	28FEB05	172		74,492.76	28
1407-124	Fab casting to ring assy fixture station 1	03JAN05*	34	17FEB05	179		21,768.00	34
1407-124.5	Electrical Installations	01OCT04*	21*	29OCT04	1,237		21,637.60	34
1407-126.1	Complete Fab Type A casting supports (6) sets	01OCT04*	98	25FEB05	173		6,204.90	34
1407-127.1	Complete Fab Type B casting supports (6) sets	01OCT04	99*	28FEB05	172		23,546.80	34
1412-199	Complete Winding Facility ACC Review		0	28FEB05*	172		0.00	34
VPI Preparations								
1407-107	Perform epoxy mixing trials with delivery sys	01NOV04*	10	12NOV04	1,227		6,364.00	34
1407-109	Fab & assemble VPI delivery sys	01NOV04*	10	12NOV04	1,227		23,865.00	34
Job: 1409 - Mod. Coil Test Stand-GETTELFINGER								
Test Stand								
1409-000	FY04 Oct-Mar	20OCT03A	66*	31MAR04A		100	215,830.82	34
1409-026	Install Electrical	01JAN04A	94*	31MAR04A		100	0.00	34
1409-030	Generate I2T Reqmnts	23FEB04A	16	15MAR04A		100	0.00	34
1409-036	Define N2 Election Scheme	23FEB04A	2	24FEB04A		100	0.00	34
1409-038	Plan/Procure N2 Ejection Scheme	25FEB04A	14	15MAR04A		100	0.00	34
1409-029	Oversight/Supervision	01APR04A	226*	25FEB05	175	LOE	35,671.51	34
1409-025	Complete Design	01APR04A	0*	30APR04A		100	26,931.20	34
1409-032	Design I2T Protection	01APR04A	0*	30APR04A		100	6,028.00	34
1409-034	Fabricate I2T Cards	01APR04A	42*	28MAY04A		100	15,795.00	34
1409-040	Install N2 Ejection Scheme	01MAY04A	85*	31AUG04A		100	12,740.00	34
1409-027	Cryo Line Installation	03MAY04A	128*	01NOV04	225	5	28,330.20	34
1409-110	ES&H Peer Review	05APR04A	1	05APR04A		100	0.00	34
1409-100	Design Controls Modifications	08APR04A	37*	28MAY04A		100	46,696.80	34
1409-120	Install Control Modifications	01MAY04A	42*	30JUN04A		100	12,288.00	34
1409-140	Design Closed Loop LN2 System	02AUG04A	65*	01NOV04	1,236	60	0.00	34



Run Date **22NOV04 10:31**

CD-3 Proposed Baseline
Progress Bar
Critical Activity

EC18

NCSX
ECP 18

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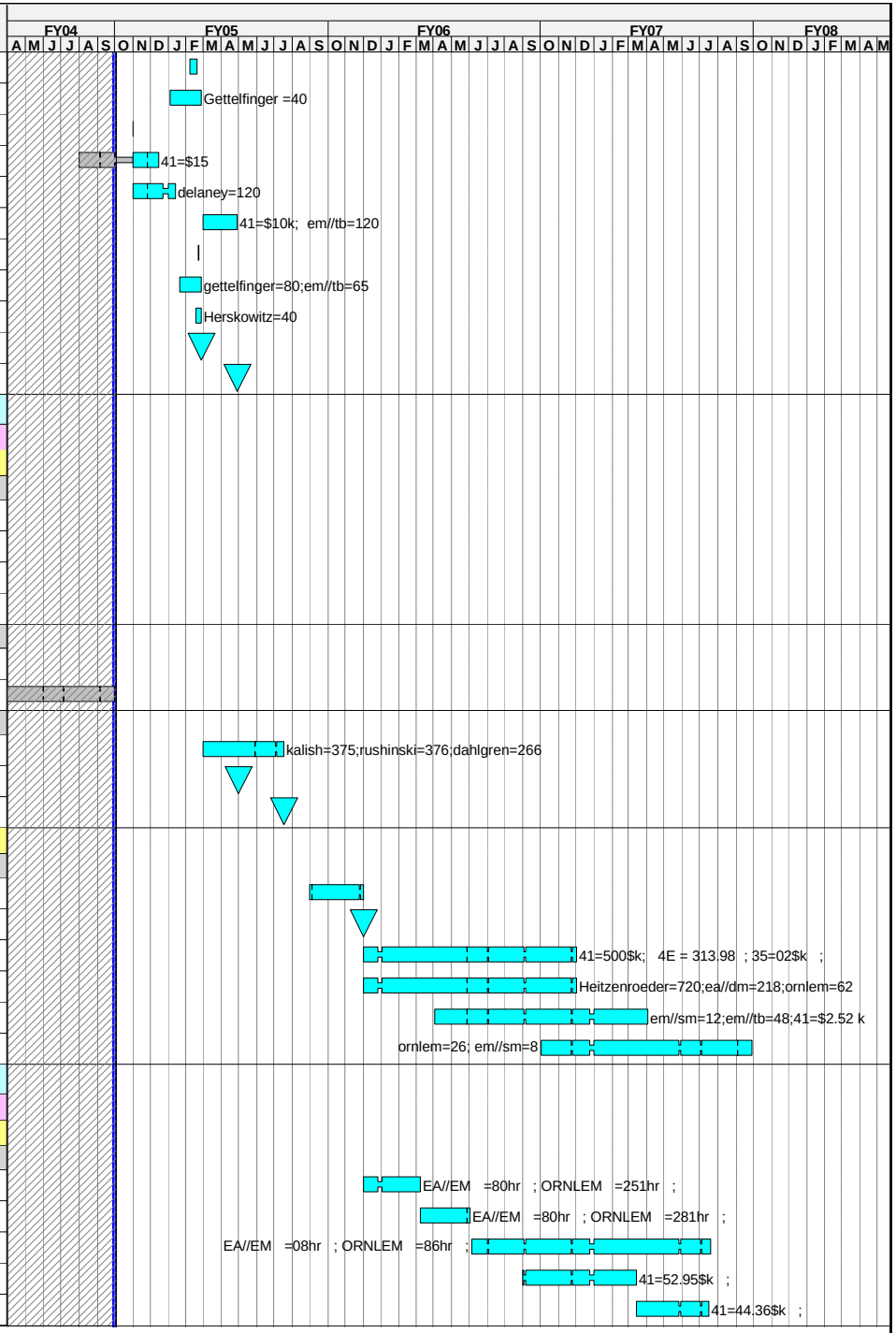
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Budget	contin-gency %
1409-141	Modify Cryostat for TRC	07FEB05*	10	18FEB05	1,165		0.00	34
1409-130	Cryostat (specimen shroud) dsn	03JAN05*	40	25FEB05	356		6,699.60	34
1409-145	FDR closed loop LN2 syst	01NOV04*	1	01NOV04	215		0.00	34
1409-150	Proc Matl's/pump f/closed LN2	02AUG04A	95*	15DEC04	215	50	19,818.90	34
1409-155	Fab/Instl Closed Loop LN2 sys	01NOV04*	45*	12JAN05	201		13,060.80	34
1409-135	Cryostat (specimen shroud) Fabr & Install	28FEB05	43	27APR05	356		23,436.00	34
1409-044	Final Design & ACC Review	21FEB05	0	18FEB05	1,165		0.00	34
1409-028	System Testing (planar racetrack)	21JAN05*	26	25FEB05	175		18,569.95	34
1409-160	Test Closed Loop Cooling	18FEB05	6	25FEB05	175		3,182.00	34
1409-165	Closed Loop Facility Available for TRC		0	25FEB05	175		0.00	34
1409-199	Closed Loop Facility Available for Production MC		0	27APR05	356		0.00	34
15 - Structures								
151 - Coil Support Structure								
Job: 1501 - Structures Design- Kalish								
PDR/PBR Task List								
1501-105	Project PDR	07OCT03A	1	07OCT03A		100	0.00	32
1501-109	Prepare FY 04 WP/WAF	31OCT03A	20	31OCT03A		100	12,856.00	32
1501-113	Prepare PBR documentation	04NOV03A	10	18NOV03A		100	6,428.00	32
1501-117	Performance baseline review		0	18NOV03A		100	0.00	32
Reqmnts,Configuration, Interfaces and PDR								
1501-125	Update drawings & models based on vendor recomm	21OCT03A	30	26NOV03A		100	28,765.30	32
1501-133	Prepare a "scope sheet" which defines all interf	03NOV03A	124	30SEP04A		LOE	5,624.50	32
1501-FY05	Prelim & Final Design Structures	01MAR05*	98*	18JUL05	185		170,744.13	32
1501-PDR	Structures PDR		0	29APR05*	1,113		0.00	32
1501-FDR	Structures FDR		0	18JUL05*	185		0.00	32
Job:1550 - Structures Procurement -KALISH								
1501-245	Prep Spec,Solicit Bids, and Evaluate Bids	30AUG05	65	01DEC05	155		0.00	32
162-036.9	Award Coil Support Assy		0	01DEC05*	155		0.00	32
162-037	WBS 151Coil Support Assy Procurement [A/1]	02DEC05	249	01DEC06	155		985,798.06	32
162-031	Title III engr WBS 151	02DEC05	249	01DEC06	717		157,017.04	32
153.037	WBS 153 Support Structure I&C Procurement/Fab	03APR06*	249	02APR07	637		8,649.30	20
153.015	Title III design WBS 153 locall&C	02OCT06*	249	28SEP07	511		4,953.56	20
16 - Coil Services								
161 - LN2 Distribution								
161 - LN2 Distribution								
191-001	Title I design WBS 161 LN2 manifolds&piping	01DEC05*	65	09MAR06	214		50,654.84	28
191-011	Title II design WBS 161 LN2 manifolds&piping	10MAR06	60	02JUN06	214		101,456.92	28
191-031	Title III engr WBS 161	05JUN06*	280	18JUL07	562		14,532.07	28
191-037	Procurement WBS 161	01SEP06*	130	14MAR07	152		69,873.63	28
191-038	PDR#17	15MAR07*	86	16JUL07	564		58,777.00	30



Run Date **22NOV04 10:31**

CD-3 Proposed Baseline
Progress Bar
Critical Activity

EC18

NCSX
ECP 18

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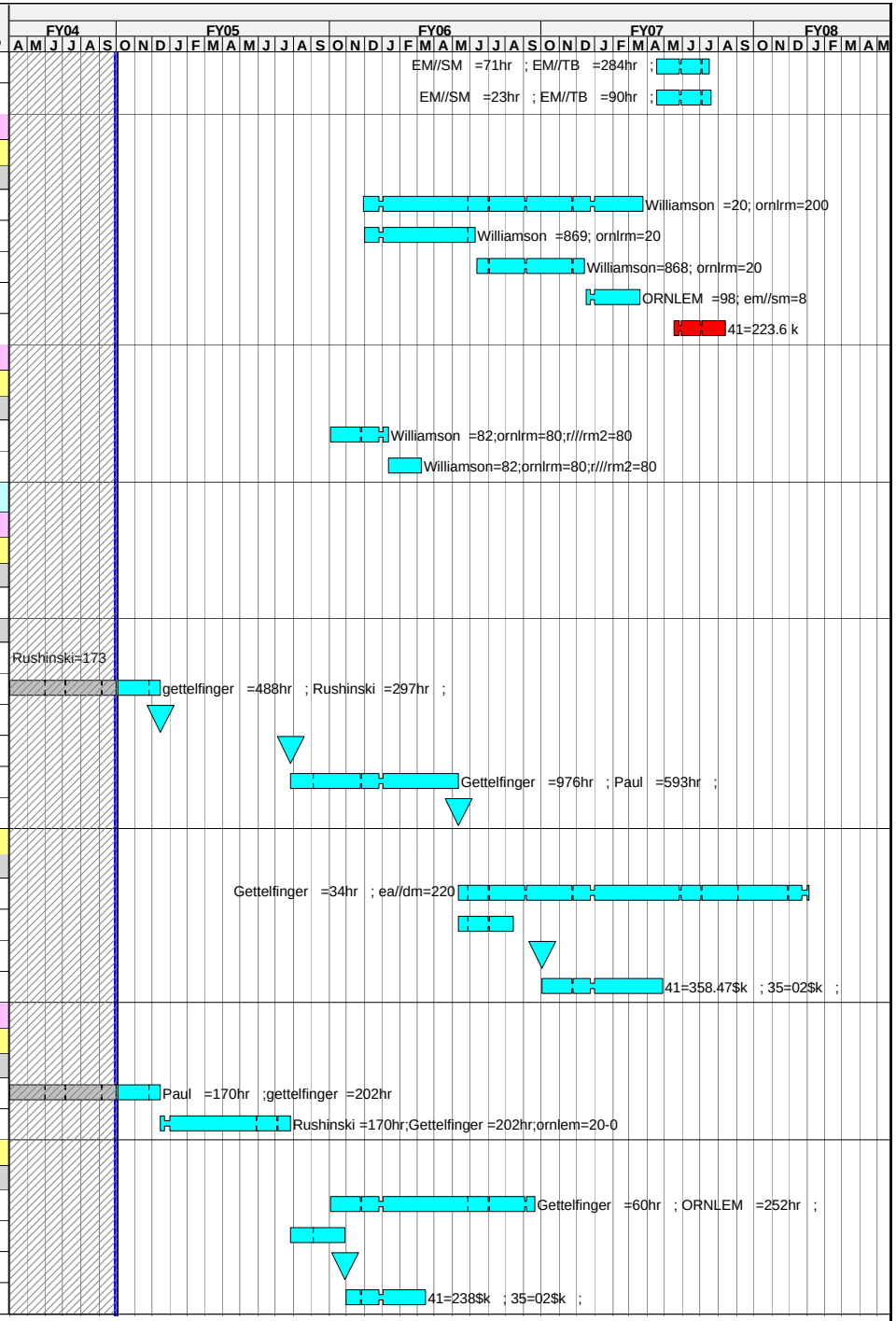
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Budget	contin-gency %
191-041	LN2 Manifolds & ppg Fab/assy/instl WBS 161	19APR07*	62	17JUL07	127		32,466.17	28
191-042	PDR #17,25,3	19APR07*	65	20JUL07	560		10,346.85	30
162 - Electrical Leads								
162 - Electrical Leads								
132-000	PDR #17 & 25	30NOV05*	325	23MAR07	643		40,196.14	30
132-001	Title I design WBS 162 Coil leads	01DEC05*	130	09JUN06	206		131,638.16	22
132-011	Title II design WBS 162 Coil leads	12JUN06	130	15DEC06	206		134,304.54	22
132-015	Title III design WBS 162 Coil leads	18DEC06*	60	19MAR07	647		16,089.08	22
132-037	Coil Leads Procurement WBS 162	18MAY07*	60	13AUG07	103		296,296.50	22
163 - Coil Protection System								
163 - Coil Protection System								
163.001	Title I design WBS 163 Coil protection	03OCT05*	65	11JAN06	903		39,432.08	28
163.011	Title II design WBS 163 Coil protection	12JAN06	40	08MAR06	903		39,432.08	28
17 - Cryostat and Base Support Structure								
171 -Cryostat								
Job:1701-Cryost&Base Sprt Strct Dsn-GETTLEFINGER								
0000								
1701-001	Apr-Sept MIE Costs PPPL	01APR03A	54	30SEP03A		100	12,180.00	0
151-000	Adv Concep Design Cryostat shell & struct	01DEC03A	103*	31MAR04A		100	0.00	28
151-001	Title I design WBS 171 cryostat shell & struct	01APR04A	180*	15DEC04	221	85	128,001.26	28
151-002	Cryostat & Base Support Struct PDR		0	15DEC04	221		0.00	28
172-199	Base Support Structure FDR		0	28JUL05	221		0.00	28
151-011	Final Design Cryostat WBS 171	29JUL05	196	11MAY06	221		228,962.22	28
171-199	Cryostat FDR		0	11MAY06	221		0.00	28
Job: 1751 - Cryostat Procurement								
171 - Cryostat								
151-031	Title III engr	12MAY06	405	02JAN08	452		30,552.17	28
151-036.8	Prep Spec, Solicit bids, and Select Vendor	12MAY06	65	15AUG06	221		0.00	28
151-036.9	Award Cryostat Procurement		0	02OCT06*	188		0.00	28
151-037	Cryostat Procurement [A/1]	03OCT06	140	26APR07	188		478,642.75	28
172 - Base Support Structure								
Job:1701-Cryost&Base Sprt Strct Dsn-GETTLEFINGER								
161-001	Title I design WBS 172 base support struct	01APR04A	180*	15DEC04	221	85	50,829.54	32
161-011	Final Design Base Support Structure WBS 172	16DEC04	153	28JUL05	221		62,374.28	32
Job: 1752 - Base Support Structure Procurement								
172 - Base Support Structure								
161-031	Title III engr WBS 172	03OCT05*	240	19SEP06	768		47,352.48	32
161-036.8	Prep Spec, Solicit bids, and Select Vendor	29JUL05	65	28OCT05	322		0.00	28
161-036.9	Award Machine Base&supports Procurement		0	28OCT05*	322		0.00	32
161-037	Machine Base&supports Procurement [A/1]	31OCT05	90	15MAR06	322		283,051.70	32



Run Date **22NOV04 10:31**

CD-3 Proposed Baseline
Progress Bar
Critical Activity

EC18

NCSX
ECP 18

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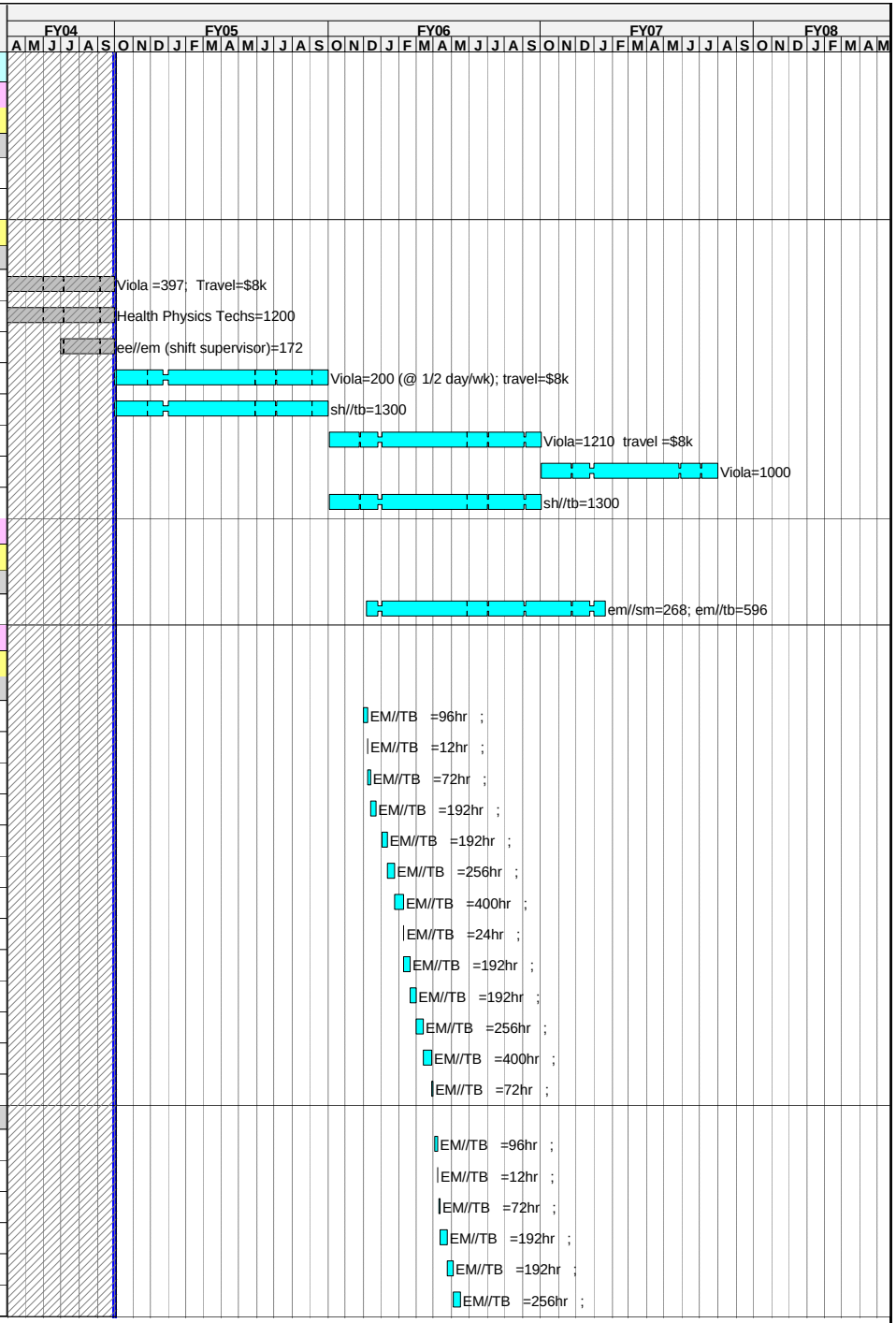
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Budget	contin-gency %
18 - Field Period Assembly								
181 - Field Period Assembly Planning/Oversight								
Job: 1801-Field Period Assly -CHRZANOWSKI (ORNL)								
0000								
1801-001	Apr-Sept MIE Costs PPPL	01APR03A	42	30SEP03A		100	7,750.00	0
1801-002	Apr-Sept MIE Costs ORNL	01APR03A	42	30SEP03A		100	53,050.00	0
Job: 1802 - FP Assy Oversight&Support-VIOLA								
Oversight and Supervision								
181.100	PPPL EM LOE FY04	13OCT03A	242*	30SEP04A		LOE	77,947.50	24
181.200	HP Coverage in the TFTR TC LOE FY04	02FEB04A	171*	30SEP04A		LOE	115,320.00	24
181.201	D-Site Shift Supervisor LOE FY04	01JUL04A	64*	30SEP04A		LOE	25,920.40	24
181.110	PPPL EM LOE FY05	01OCT04*	250*	30SEP05	1,008		47,402.00	24
181.210	HP Coverage in the TFTR TC LOE FY05	01OCT04*	250*	30SEP05	1,008		142,129.00	24
181.120	PPPL EM LOE FY06	03OCT05*	249*	02OCT06	759		220,592.71	24
181.121	PPPL EM LOE FY06	02OCT06*	207*	31JUL07	553		179,340.00	24
181.220	HP Coverage in the TFTR TC LOE FY06	03OCT05*	249*	02OCT06	759		144,966.13	24
183 - Receive,Inspect, and Test Coils								
1808 - TF/Mod Coil Sub-Assembly-VIOLA								
TF Coil Sub-assembly								
722.010	Receive/Inspect TF & PF Coils	07DEC05*	275*	19JAN07	688		79,118.49	20
184 - Receive, Inspect, and Test VV								
Job:1810 - Field Period Assembly-VIOLA								
Stage 1 VV Prep FP#1								
S1P1-101	Receive VV and inspect	02DEC05	4	07DEC05	140		7,787.52	40
S1P1-102	Mount VV on VV Prep fixture (top side up)	08DEC05	1	08DEC05	140		973.44	40
S1P1-103	Establish metrology setting; align VV base	09DEC05	3	13DEC05	140		5,840.64	40
S1P1-106	Attach studs, coolant lines and insulation on to	14DEC05	8	23DEC05	140		15,575.04	40
S1P1-107	Wind magnetic diagnostic sensors to top surface	03JAN06	8	12JAN06	140		15,575.04	40
S1P1-108	Install cooling/htg lines to vac vsl top surface	13JAN06	8	24JAN06	140		20,766.72	40
S1P1-109	Install insulation to vac vsl to top surface	25JAN06	10	07FEB06	140		32,448.00	40
S1P1-110	Flip VV to expose lower surface	08FEB06	1	08FEB06	140		1,946.88	40
S1P1-112	Attach studs, coolant lines and insulation on bo	09FEB06	8	20FEB06	140		15,575.04	40
S1P1-113	Wind magnetic diagnostic sensors to bot surface	21FEB06	8	02MAR06	140		15,575.04	40
S1P1-114	Install cooling/htg lines to vac vsl bot surface	03MAR06	8	14MAR06	140		20,766.72	40
S1P1-115	Install insulation to vac vsl to bot surface	15MAR06	10	28MAR06	140		32,448.00	40
S1P1-116	Prepare and transfer completed VV to holding are	29MAR06	3	31MAR06	140		5,840.64	40
Stage 1 VV Prep FP#2								
S1P2-101	Receive VV and inspect	03APR06	4	06APR06	140		7,787.52	40
S1P2-102	Mount VV on VV Prep fixture (top side up)	07APR06	1	07APR06	140		973.44	40
S1P2-103	Establish metrology setting; align VV base	10APR06	3	12APR06	140		5,840.64	40
S1P2-106	Attach studs, coolant lines and insulation on to	13APR06	8	24APR06	140		15,575.04	40
S1P2-107	Wind magnetic diagnostic sensors to top surface	25APR06	8	04MAY06	140		15,575.04	40
S1P2-108	Install cooling/htg lines to vac vsl top surface	05MAY06	8	16MAY06	140		20,766.72	40



Run Date **22NOV04 10:31**

CD-3 Proposed Baseline
Progress Bar
Critical Activity

EC18

NCSX
ECP 18

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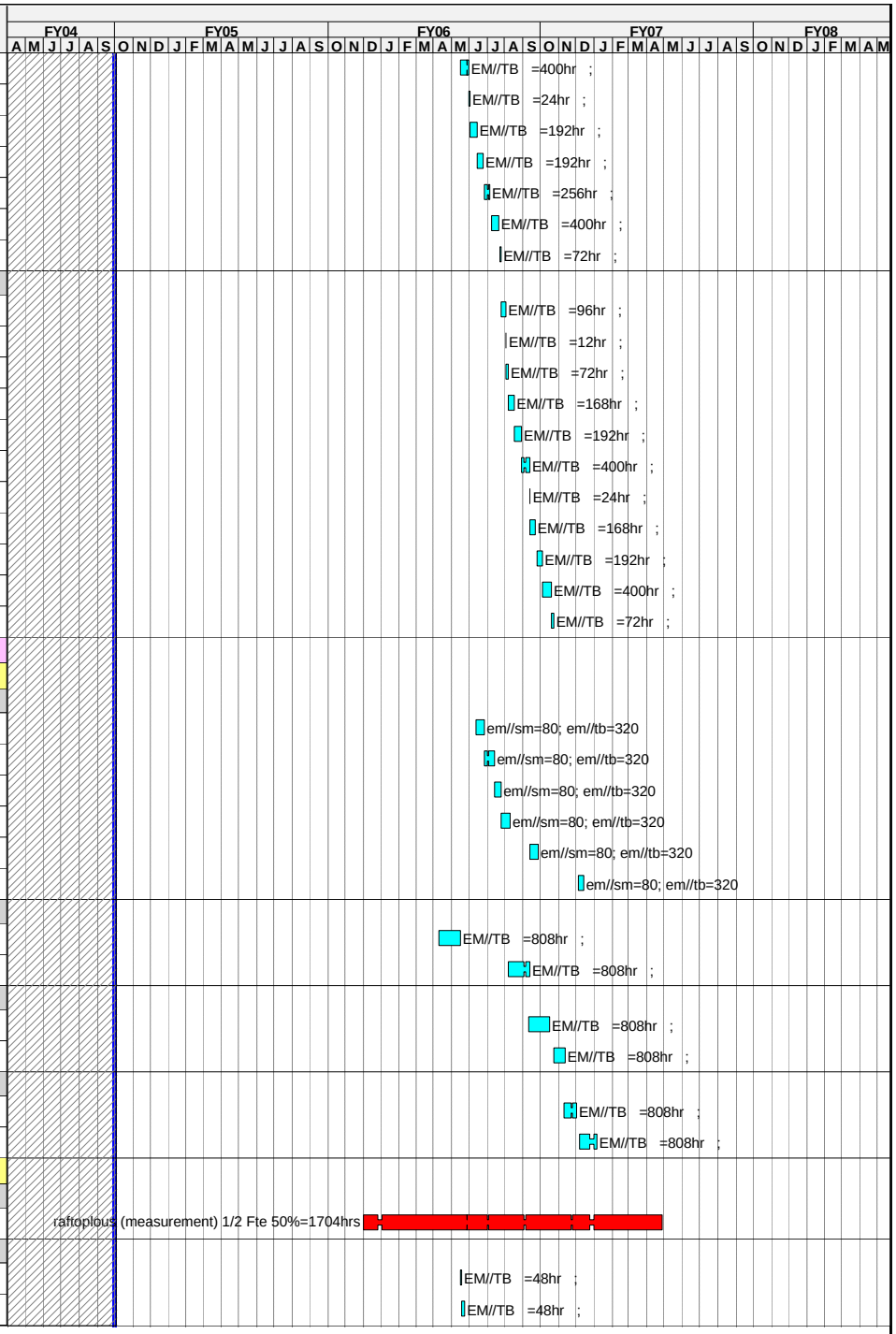
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Budget	contin-gency %
S1P2-109	Install insulation to vac vsl to top surface	17MAY06	10	31MAY06	140		32,448.00	40
S1P2-110	Flip VV to expose lower surface	01JUN06	1	01JUN06	140		1,946.88	40
S1P2-112	Attach studs, coolant lines and insulation on bo	02JUN06	8	13JUN06	140		15,575.04	40
S1P2-113	Wind magnetic diagnostic sensors to bot surface	14JUN06	8	23JUN06	140		15,575.04	40
S1P2-114	Install cooling/htg lines to vac vsl bot surface	26JUN06	8	07JUL06	140		20,766.72	40
S1P2-115	Install insulation to vac vsl to bot surface	10JUL06	10	21JUL06	140		32,448.00	40
S1P2-116	Prepare and transfer completed VV to holding are	24JUL06	3	26JUL06	140		5,840.64	40
Stage 1 VV Prep FP#3								
S1P3-101	Receive VV and inspect	27JUL06	4	01AUG06	140		7,787.52	40
S1P3-102	Mount VV on VV Prep fixture (top side up)	02AUG06	1	02AUG06	140		973.44	40
S1P3-103	Establish metrology setting; align VV base	03AUG06	3	07AUG06	140		5,840.64	40
S1P3-106	Attach studs, coolant lines and insulation on to	08AUG06	7	16AUG06	140		13,628.16	40
S1P3-107	Install cooling/htg lines to vac vsl top surface	17AUG06	8	28AUG06	140		15,575.04	40
S1P3-108	Install insulation to vac vsl to top surface	29AUG06	10	12SEP06	140		32,448.00	40
S1P3-109	Flip VV to expose lower surface	13SEP06	1	13SEP06	140		1,946.88	40
S1P3-110	Attach studs, coolant lines and insulation on bo	14SEP06	7	22SEP06	140		13,628.16	40
S1P3-112	Install cooling/htg lines to vac vsl bot surface	25SEP06	8	04OCT06	140		15,867.36	40
S1P3-113	Install insulation to vac vsl to bot surface	05OCT06	10	18OCT06	140		34,072.00	40
S1P3-114	Prepare and transfer completed VV to holding are	19OCT06	3	23OCT06	140		6,132.96	40
185 - Assemble Field Periods								
1808 - TF/Mod Coil Sub-Assembly-VIOLA								
TF Coil Sub-assembly								
184-100	Assemble 3 TF coils&structure -Left-Period #1	13JUN06	10	26JUN06	224		34,838.40	40
184-105	Assemble 3 TF coils&structure -Right -Period #1	27JUN06	10	12JUL06	224		34,838.40	40
184-110	Assemble 3 TF coils&structure -Left-Period #2	13JUL06	10	26JUL06	224		34,838.40	40
184-115	Assemble 3 TF coils&structure -Right -Period #2	27JUL06	10	09AUG06	224		34,838.40	40
184-120	Assemble 3 TF coils&structure -Left -Period #3	13SEP06	10	26SEP06	201		34,838.40	40
184-125	Assemble 3 TF coils&structure -Right -Period #3	04DEC06	10	15DEC06	155		36,581.60	40
Stage 2 MC subassy FP#1								
S2P1-100	Assemble Mod-Coils a1.b1,c1 FP 1 left	10APR06	27	16MAY06	190		65,544.96	40
S2P1-200	Assemble Mod-Coils a2.b2,c2 FP 1 right	07AUG06	27	13SEP06	117		65,544.96	40
Stage 2 MC subassy FP#2								
S2P2-100	Assemble Mod-Coils a3.b3,c3 FP 2 left	11SEP06*	27	17OCT06	114		67,002.95	40
S2P2-200	Assemble Mod-Coils a4.b4,c4 FP 2 right *2 SHIFT	25OCT06	14	13NOV06	104		68,825.44	40
Stage 2 MC subassy FP#3								
S2P3-100	Assemble Mod-Coils a5.b5,c5 FP 3 left *2 SHIFT	10NOV06	14	01DEC06	113		68,825.44	40
S2P3-200	Assemble Mod-Coils a6.b6,c6 FP 3 right *2 SHIFT	08DEC06	14	04JAN07	104		68,825.44	40
Job:1810 - Field Period Assembly-VIOLA								
Metrology Support								
S1P1-000	LOE support staff for FP assemblies	02DEC05	347*	26APR07	103		297,685.85	40
Stage 3 MC Installation-FP#1								
S3P1-101	Mount VV to MC turning fixt base; metr check	17MAY06	2	18MAY06	190		3,893.76	40
S3P1-102	Mount MC on turning fixt; perform metr checks	19MAY06	2	22MAY06	190		3,893.76	40



Run Date **22NOV04 10:31**

CD-3 Proposed Baseline
Progress Bar
Critical Activity

EC18

NCSX
ECP 18

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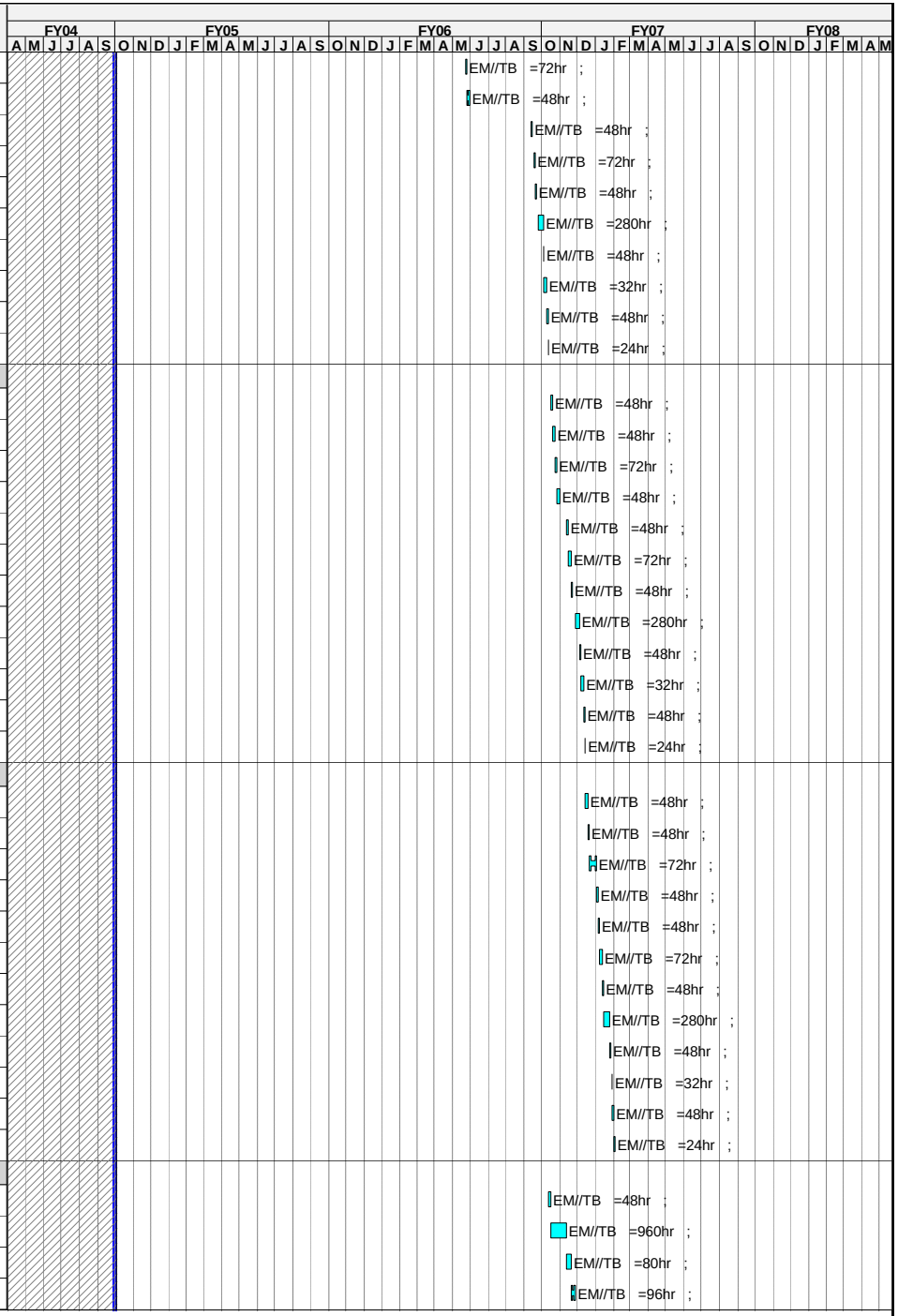
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Budget	contin-gency %
S3P1-103	Rotate right MC to stand-off position&chk	23MAY06	3	25MAY06	190		5,840.64	40
S3P1-104	Transfer load to crane and recheck position	26MAY06	2	30MAY06	190		3,893.76	40
S3P1-105	Move MC turning fixt; mount MC on turning fixt	14SEP06	2	15SEP06	117		3,893.76	40
S3P1-106	Rotate left MC to stand-off position and check p	18SEP06	3	20SEP06	117		5,840.64	40
S3P1-107	Move left & right MC to final position & measure	21SEP06	2	22SEP06	117		3,893.76	40
S3P1-108	Install shims (as reqd); ream 24 holes	25SEP06	7	03OCT06	117		23,038.40	40
S3P1-109	Bolt together at flange interface.	04OCT06	2	05OCT06	117		4,088.64	40
S3P1-110	Perform final metrology position check	06OCT06	2	09OCT06	117		2,725.76	40
S3P1-111	Secure VV to MC's using temporary supports.	10OCT06	2	11OCT06	117		4,088.64	40
S3P1-112	Prep& xfr completed assembly to Stage 4 area	12OCT06	1	12OCT06	117		2,044.32	40
Stage 3 MC Installation-FP#2								
S3P2-101	Mount VV to MC turning fixt base; metr check	18OCT06	2	19OCT06	114		4,088.64	40
S3P2-102	Mount MC on turning fixt; perform metr checks	20OCT06	2	23OCT06	114		4,088.64	40
S3P2-103	Rotate right MC to stand-off position&chk	24OCT06	3	26OCT06	114		6,132.96	40
S3P2-104	Transfer load to crane and recheck position	27OCT06	2	30OCT06	114		4,088.64	40
S3P2-105	Move MC turning fixt; mount MC on turning fixt	14NOV06	2	15NOV06	104		4,088.64	40
S3P2-106	Rotate left MC to stand-off position and check p	16NOV06	3	20NOV06	104		6,132.96	40
S3P2-107	Move left & right MC to final position & measure	21NOV06	2	22NOV06	104		4,088.64	40
S3P2-108	Install shims (as reqd); ream 24 holes	27NOV06	7	05DEC06	104		23,850.40	40
S3P2-109	Bolt together at flange interface.	06DEC06	2	07DEC06	104		4,088.64	40
S3P2-110	Perform final metrology position check	08DEC06	2	11DEC06	104		2,725.76	40
S3P2-111	Secure VV to MC's using temporary supports.	12DEC06	2	13DEC06	104		4,088.64	40
S3P2-112	Prep& xfr completed assembly to Stage 4 area	14DEC06	1	14DEC06	104		2,044.32	40
Stage 3 MC Installation-FP#3								
S3P3-101	Mount VV to MC turning fixt base; metr check	15DEC06	2	18DEC06	104		4,088.64	40
S3P3-102	Mount MC on turning fixt; perform metr checks	19DEC06	2	20DEC06	104		4,088.64	40
S3P3-103	Rotate right MC to stand-off position&chk	21DEC06	3	02JAN07	104		6,132.96	40
S3P3-104	Transfer load to crane and recheck position	03JAN07	2	04JAN07	104		4,088.64	40
S3P3-105	Move MC turning fixt; mount MC on turning fixt	05JAN07	2	08JAN07	104		4,088.64	40
S3P3-106	Rotate left MC to stand-off position and check p	09JAN07	3	11JAN07	104		6,132.96	40
S3P3-107	Move left & right MC to final position & measure	12JAN07	2	15JAN07	104		4,088.64	40
S3P3-108	Install shims (as reqd); ream 24 holes	16JAN07	7	24JAN07	104		23,850.40	40
S3P3-109	Bolt together at flange interface.	25JAN07	2	26JAN07	104		4,088.64	40
S3P3-110	Perform final metrology position check	29JAN07	2	30JAN07	104		2,725.76	40
S3P3-111	Secure VV to MC's using temporary supports.	31JAN07	2	01FEB07	104		4,088.64	40
S3P3-112	Prep& xfr completed assembly to Stage 4 area	02FEB07	1	02FEB07	104		2,044.32	40
Stage 4 - Final FP Assy FP#1								
S4P1-101	Mount MC/VV assembly to support frame a	13OCT06	2	16OCT06	162		4,088.64	40
S4P1-102	Position and weld all ports to VV **2 SHIFT**	17OCT06	20	13NOV06	162		81,772.80	40
S4P1-103	Inspect Welds	14NOV06	5	20NOV06	162		6,814.40	40
S4P1-104	Assemble left TF Coil Assembly check position	21NOV06	3	27NOV06	162		8,177.28	40



Run Date **22NOV04 10:31**

CD-3 Proposed Baseline
Progress Bar
Critical Activity

EC18

NCSX
ECP 18

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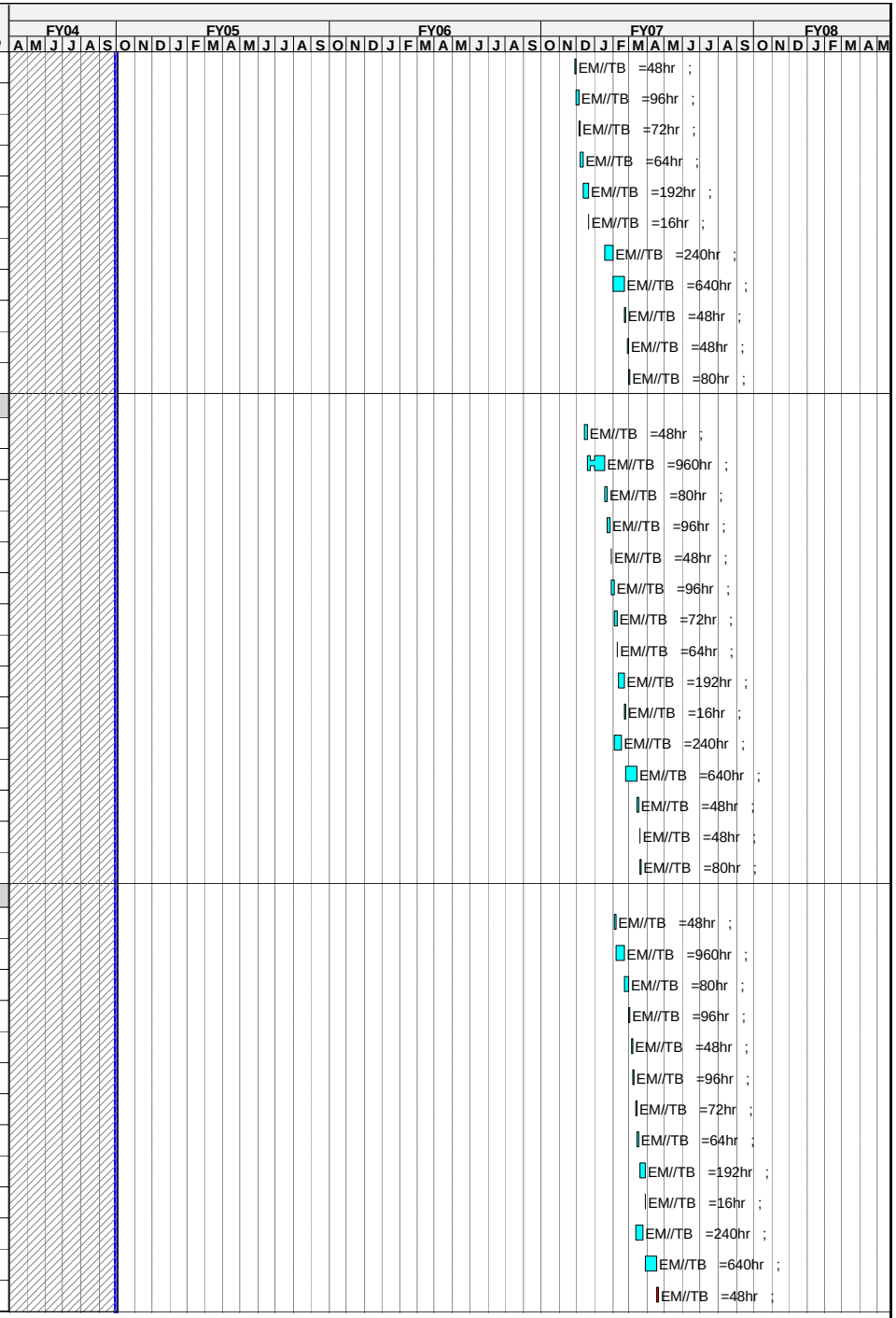
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Budget	contin-gency %
S4P1-105	Change platforms	28NOV06	2	29NOV06	162		4,088.64	40
S4P1-106	Assemble right TF Coil Assembly	30NOV06	3	04DEC06	162		8,177.28	40
S4P1-107	Attach TF coils to MC's	05DEC06	3	07DEC06	162		6,132.96	40
S4P1-108	Change platforms	08DEC06	2	11DEC06	162		5,451.52	40
S4P1-109	Position, weld two large horizontal diag ports	12DEC06	8	21DEC06	162		16,354.56	40
S4P1-110	Inspect Welds	22DEC06	1	22DEC06	162		1,362.88	40
S4P1-111	Assemble external trim coils to TF Coil	19JAN07	10	01FEB07	139		20,443.20	40
S4P1-112	Close up VV, bakeout 350 deg C, leak check	02FEB07	20	21FEB07	197		54,515.20	40
S4P1-113	Adjust final support base interfaces	22FEB07	2	23FEB07	138		4,088.64	40
S4P1-114	Prepare Field Period for shipment	26FEB07	2	27FEB07	138		4,088.64	40
S4P1-115	Transfer completed assy to C-site test cell	28FEB07	2	01MAR07	138		6,814.40	40
Stage 4 - Final FP Assy FP#2								
S4P2-101	Mount MC/VV assembly to support frame a	15DEC06	2	18DEC06	124		4,088.64	40
S4P2-102	Position and weld all ports to VV **2 SHIFT**	19DEC06	15	16JAN07	124		81,772.80	40
S4P2-103	Inspect Welds	17JAN07	5	23JAN07	124		6,814.40	40
S4P2-104	Assemble left TF Coil Assembly check position	24JAN07	3	26JAN07	124		8,177.28	40
S4P2-105	Change platforms	29JAN07	2	30JAN07	124		4,088.64	40
S4P2-106	Assemble right TF Coil Assembly	31JAN07	3	02FEB07	124		8,177.28	40
S4P2-107	Attach TF coils to MC's	05FEB07	3	07FEB07	124		6,132.96	40
S4P2-108	Change platforms	08FEB07	2	09FEB07	124		5,451.52	40
S4P2-109	Position, weld two large horizontal diag ports	12FEB07	8	21FEB07	124		16,354.56	40
S4P2-110	Inspect Welds	22FEB07	1	22FEB07	124		1,362.88	40
S4P2-111	Assemble external trim coils to TF Coil	05FEB07	10	16FEB07	128		20,443.20	40
S4P2-112	Close up VV, bakeout 350 deg C, leak check	23FEB07	20	14MAR07	176		54,515.20	40
S4P2-113	Adjust final support base interfaces	15MAR07	2	16MAR07	123		4,088.64	40
S4P2-114	Prepare Field Period for shipment	19MAR07	2	20MAR07	123		4,088.64	40
S4P2-115	Transfer completed assy to C-site test cell	21MAR07	2	22MAR07	123		6,814.40	40
Stage 4 - Final FP Assy FP#3								
S4P3-101	Mount MC/VV assembly to support frame a	05FEB07	2	06FEB07	104		4,088.64	40
S4P3-102	Position and weld all ports to VV **2 SHIFT**	07FEB07	10	20FEB07	104		81,772.80	40
S4P3-103	Inspect Welds	21FEB07	5	27FEB07	104		6,814.40	40
S4P3-104	Assemble left TF Coil Assembly check position	28FEB07	3	02MAR07	104		8,177.28	40
S4P3-105	Change platforms	05MAR07	2	06MAR07	104		4,088.64	40
S4P3-106	Assemble right TF Coil Assembly	07MAR07	3	09MAR07	104		8,177.28	40
S4P3-107	Attach TF coils to MC's	12MAR07	3	14MAR07	104		6,132.96	40
S4P3-108	Change platforms	15MAR07	2	16MAR07	104		5,451.52	40
S4P3-109	Position, weld two large horizontal diag ports	19MAR07	8	28MAR07	104		16,354.56	40
S4P3-110	Inspect Welds	29MAR07	1	29MAR07	104		1,362.88	40
S4P3-111	Assemble ext trim coils and I&C,bus,cool leads	12MAR07	10	23MAR07	108		20,443.20	40
S4P3-112	Close up VV, bakeout 350 deg C, leak check	30MAR07	20	18APR07	148		54,515.20	40
S4P3-113	Adjust final support base interfaces	19APR07	2	20APR07	103		4,088.64	40



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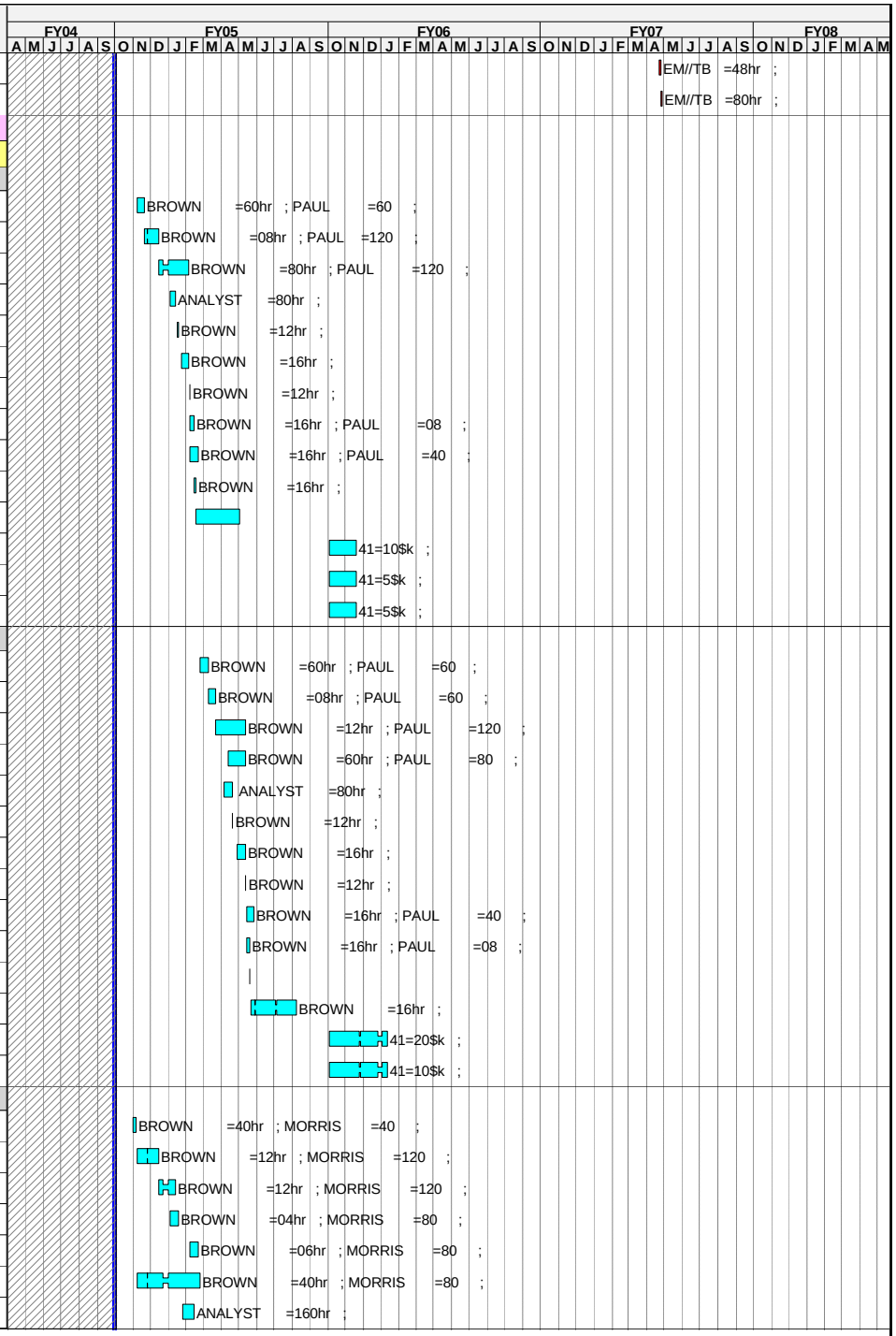
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Budget	contin-gency %
S4P3-114	Prepare Field Period for shipment	23APR07	2	24APR07	103		4,088.64	40
S4P3-115	Transfer completed assy to C-site test cell	25APR07	2	26APR07	103		6,814.40	40
186 - Tooling Design and Fabrication								
Job: 1803- FP Assy Toolg/Constructability-BROWN								
VV Prep Station								
1803-1.01	Concept definition and requirements	08NOV04*	10	19NOV04	252		16,352.40	40
1803-1.02	VV Support Fixture - model design& drawing detai	22NOV04	15	14DEC04	252		13,901.12	40
1803-1.04	Metrology -sightline layout metrology support	15DEC04*	32	04FEB05	252		25,989.20	40
1803-1.05	Structural / Seismic Analysis check	03JAN05*	10	14JAN05	266		13,431.20	40
1803-1.06	Design review PDR	17JAN05*	1	17JAN05	266		2,014.68	40
1803-1.09	Safety Review documentation / presentation	24JAN05	10	04FEB05	252		2,686.24	40
1803-1.061	Design review FDR	07FEB05*	1	07FEB05	252		2,014.68	40
1803-1.07	Design check and sign-off	08FEB05*	5	14FEB05	252		3,523.44	40
1803-1.10	Fab / Design Review - follow-up activities	08FEB05	10	21FEB05	303		6,872.24	40
1803-1.08	Prep & Issue Spec,dwgs,and requisition	15FEB05*	1	15FEB05	252		2,686.24	40
1803-1.081	Procurement Lead Time and Award	16FEB05	55	03MAY05	252		0.00	40
1803-1.12	FAB - VV support Fixture	03OCT05*	35	18NOV05	147		12,900.00	40
1803-1.13	FAB VV Prep Station Platform	03OCT05*	35	18NOV05	147		6,450.00	40
1803-1.14	FAB VV Prep Station metrology stands	03OCT05*	35	18NOV05	147		6,450.00	40
Half Period Assembly								
1803-2.01	Concept definition and requirements	24FEB05*	10	09MAR05	289		16,352.40	40
1803-2.02	MC Holding Fixture 1 - model design and drawing	10MAR05	10	23MAR05	289		7,622.12	40
1803-2.03	MC Assembly Fixture 2- design & drawing details	24MAR05	36	12MAY05	289		14,572.68	40
1803-2.04	Metrology - sightline layout design details metr	15APR05	20	12MAY05	289		18,445.40	40
1803-2.05	Structural / Seismic Analysis check	07APR05	10	20APR05	289		13,431.20	40
1803-2.06	PDR	21APR05*	1	21APR05	289		2,014.68	40
1803-2.09	Safety Review documentation / presentation	29APR05	10	12MAY05	289		2,686.24	40
1803-2.061	FDR	13MAY05	1	13MAY05	289		2,014.68	40
1803-2.10	Fab / Design Review - follow-up activities	16MAY05	10	27MAY05	1,093		6,872.24	40
1803-2.07	Design check and sign-off	16MAY05	5	20MAY05	289		3,523.44	40
1803-2.08A	Prep & Issue Spec,dwgs,and requisition	20MAY05	1	20MAY05	289		0.00	40
1803-2.08	Procurement Lead Time and Award	23MAY05	55	09AUG05	289		2,686.24	40
1803-2.11	Fab MC HP Assy Fixtures (2)	03OCT05*	65	11JAN06	252		25,800.00	40
1803-2.12	Fab MC MC HP Assy Metrology support stands (2)	03OCT05*	65	11JAN06	252		12,900.00	40
MC Installation								
1803-3.01	Concept definition and requirements	01NOV04*	5	05NOV04	327		10,901.60	40
1803-3.02	MC Turning Fixture and base - model design and d	08NOV04	25	14DEC04	327		14,572.68	40
1803-3.03	MC Gantry Crane - model design and drawing detai	15DEC04	15	12JAN05	327		14,572.68	40
1803-3.04	VV support stand - model design and drawing deta	04JAN05*	10	17JAN05	324		9,043.56	40
1803-3.05	Platform - design and drawing details	08FEB05*	10	21FEB05	299		9,379.34	40
1803-3.06	Metrology - sightline layout design details metr	09NOV04*	70	24FEB05	296		15,087.60	40
1803-3.07	Structural / Seismic Analysis check	25JAN05	15	14FEB05	304		26,862.40	40



Run Date **22NOV04 10:31**

CD-3 Proposed Baseline
Progress Bar
Critical Activity

EC18

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ECP 18

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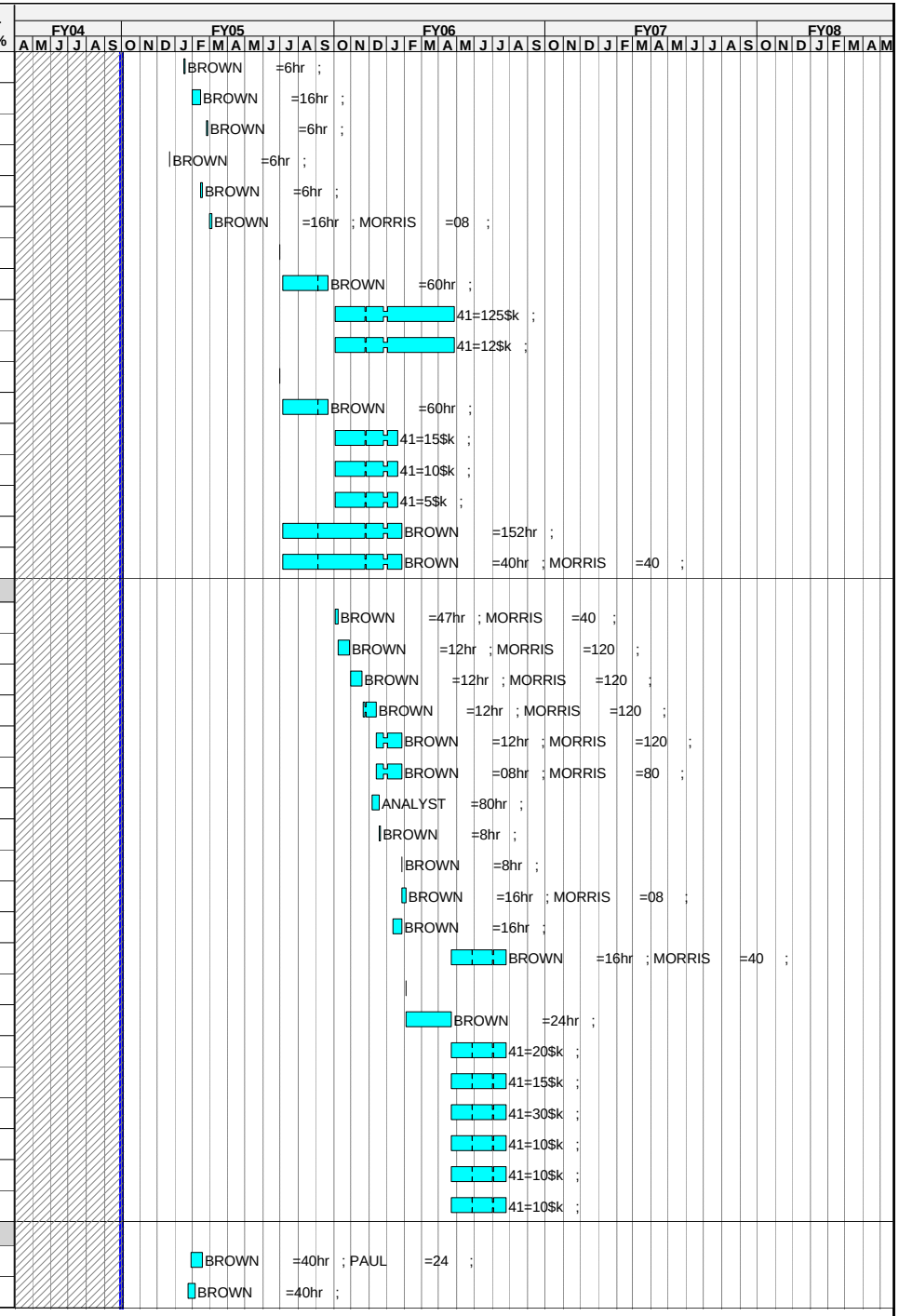
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Budget	contin-gency %
1803-3.08	PDR Platform & Support Stands	17JAN05*	1	17JAN05	304		1,007.34	40
1803-3.12	Safety Review documentation / presentation	01FEB05*	10	14FEB05	304		2,686.24	40
1803-3.081	FDR Platform & Support Stands	25FEB05	1	25FEB05	296		1,007.34	40
1803-3.082	PDR Turning Fixture,base&gantry crane	23DEC04*	1	23DEC04	315		1,007.34	40
1803-3.083	FDR Turning Fixture,base&gantry crane	15FEB05	1	15FEB05	304		1,007.34	40
1803-3.09	Design check and sign-off	28FEB05	5	04MAR05	296		3,523.44	40
1803-3.10A	Prep & Issue Spec,dwgs,and req-turning fixt	01JUL05	1	01JUL05	212		0.00	40
1803-3.10	Procurement lead time turning fixt,base&gantry	05JUL05*	55	20SEP05	212		10,073.40	40
1803-3.15	FAB - MC Turning fixture & Base	03OCT05*	140	26APR06	204		161,250.00	40
1803-3.15A	FAB - MC Gantry Crane	03OCT05*	140	26APR06	204		15,480.00	40
1803-3.110	Prep & Issue Spec,dwgs,and req-pltfrm&sprts	01JUL05	1	01JUL05	282		0.00	40
1803-3.101	Procurement lead time platforms & supports	05JUL05*	55	20SEP05	282		10,073.40	40
1803-3.16	FAB - VV suprt stand & misc crane fixtures	03OCT05*	70	18JAN06	274		19,350.00	40
1803-3.16A	FAB -Platform	03OCT05*	70	18JAN06	274		12,900.00	40
1803-3.16B	FAB -MC Installation Metrology sprt stands	03OCT05*	70	18JAN06	274		6,450.00	40
1803-3.11	Procurement Technical Rep	05JUL05	140	27JAN06	929		25,797.67	40
1803-3.13	Fabrication - follow-up activities	05JUL05	140	27JAN06	929		11,020.40	40
Final FP Assembly								
1803-4.01	Concept definition and requirements	03OCT05*	5	07OCT05	218		11,117.60	40
1803-4.02	MC Support Stand - model design and drawing deta	10OCT05	15	28OCT05	218		14,861.04	40
1803-4.03	TF HP support turning fixture - model design d	31OCT05	15	18NOV05	218		14,861.04	40
1803-4.04	FP Assembly platform - model design drawing det	21NOV05	15	13DEC05	218		14,861.04	40
1803-4.05	VV Port Alignment/Weldment Fixture - design and	14DEC05	25	25JAN06	218		14,861.04	40
1803-4.06	Metrology - sightline layout design details metr	14DEC05	25	25JAN06	218		9,907.36	40
1803-4.07	Structural / Seismic Analysis check	06DEC05	10	19DEC05	218		13,697.60	40
1803-4.08	PDR	20DEC05	1	20DEC05	218		1,369.76	40
1803-4.081	FDR	26JAN06	1	26JAN06	218		1,369.76	40
1803-4.09	Design check and sign-off	27JAN06	5	02FEB06	218		3,593.28	40
1803-4.11	Safety Review documentation / presentation	12JAN06	10	25JAN06	218		2,739.52	40
1803-4.12	Fabrication - follow-up activities	21APR06	65	25JUL06	218		7,008.32	40
1803-4.10A	Prep & Issue Spec,dwgs,and req-pltfrm&sprts	02FEB06	1	02FEB06	218		0.00	40
1803-4.10	Procurement lead time	03FEB06	55	20APR06	218		4,109.28	40
1803-4.13	FAB-MC Support Stands (2)	21APR06*	65	25JUL06	218		25,800.00	40
1803-4.14	FAB-TF HP support & Turning Fixtures (2)	21APR06*	65	25JUL06	245		19,350.00	40
1803-4.15	FAB-FP Assy platforms (2)	21APR06*	65	25JUL06	218		38,700.00	40
1803-4.16	FAB-MC Temporary End Supports (2)	21APR06*	65	25JUL06	218		12,900.00	40
1803-4.17	FAB-Final FP Assy Metrology suprt stands (2)	21APR06*	65	25JUL06	218		12,900.00	40
1803-4.18	FAB-VV Port alignment/weldment fixtures (2)	21APR06*	65	25JUL06	218		12,900.00	40
Interface/Test Activities								
1803-5.01	Finalize TFTR test cell FPA assembly layout draw	28JAN05*	14	16FEB05	1,165		9,227.20	40
1803-5.02	Establish an assembly interface requirements doc	24JAN05*	10	04FEB05	1,098		6,715.60	40



Run Date **22NOV04 10:31**

CD-3 Proposed Baseline
Progress Bar
Critical Activity

EC18

NCSX
ECP 18

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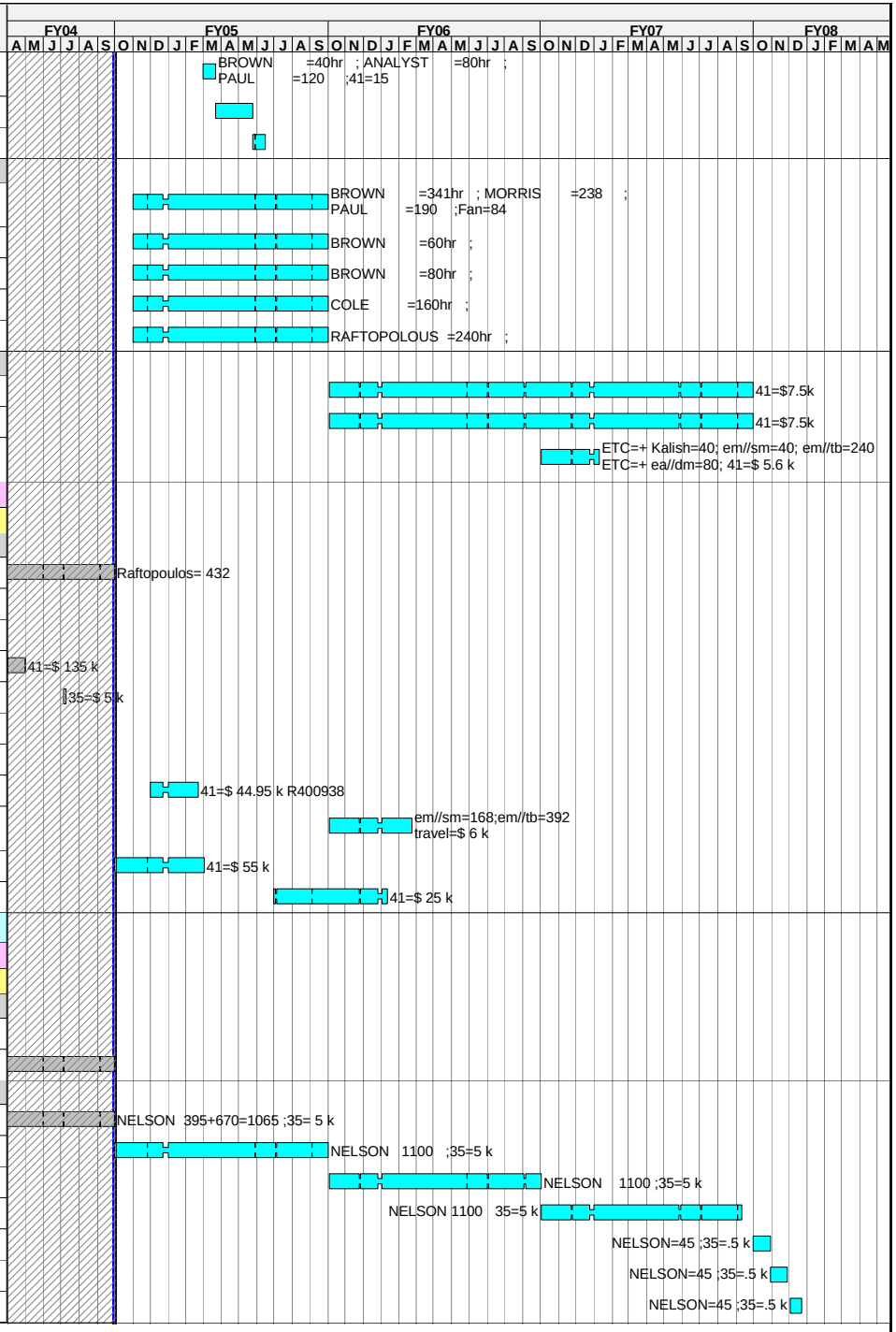
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Budget	contin-gency %
1803-5.03	Develop test components as needed to qualify ass	02MAR05*	15	22MAR05	1,081		53,539.80	40
1803-5.04	Fab - Test Articles	23MAR05*	45	24MAY05	1,081		0.00	40
1803-5.05	Metrology Validation	25MAY05	15	15JUN05	1,081		0.00	40
Oversight								
1803-7.01	Meetings Prep and Reporting	01NOV04*	229*	30SEP05	1,006		116,143.45	40
1803-7.02	Develop and maintain concept definition document	01NOV04*	229*	30SEP05	1,006		10,073.40	40
1803-7.03	Develop and maintain assembly plan document	01NOV04*	229*	30SEP05	1,006		13,431.20	40
1803-7.04	Mike Cole's FY05 on-site involvement in assembly	01NOV04*	229*	30SEP05	1,006		23,558.40	40
1803-8	Metrology Support	01NOV04*	229*	30SEP05	1,006		40,293.60	40
Tooling Design & Fabrication								
713A.040	General procurements	03OCT05*	498	01OCT07	510		9,807.18	40
713A.050	Welding tools, materials & equipt	03OCT05*	498	01OCT07	510		9,807.18	40
713A.060	Instl He gas piping from NSTX to D-site tc	02OCT06*	65	10JAN07	155		43,287.80	40
187 - Measurement Systems								
Job: 1804-FP Assy Measurement Sys-RAFTOPOULOS								
Metrology								
740.010	Final Design Measurement systems	19JAN04A	181*	30SEP04A		LOE	69,422.40	24
740.011	3-D Scanner/Faro Arm FDR		0	30JAN04A			0.00	24
740.015	Prepare Requisition 3-D scanner & Romer Arm	30JAN04A	10	30JAN04A			0.00	24
740.030	Deliver 3-D Scanner & Romer Arm	01APR04A	10*	30APR04A		100	171,990.00	24
740.030A	Romer Arm Training	06JUL04A	3*	08JUL04A		100	0.00	24
740.031	Metrology Software Review		0	30JAN04A			0.00	24
740.032	Prepare Met Software Requisition	30JAN04A	10	30JAN04A			0.00	24
740.035	Deliver Metrology Software	01DEC04*	53	21FEB05	1,164		62,435.55	24
740.020	Faculity Prep	03OCT05*	95	22FEB06	913		60,857.04	24
740.045	Purchase- second Faro Arm PE005330	01OCT04*	102	03MAR05	1,156		76,395.00	24
740.050	Purchase- targets [A/9]	01JUL05*	130	12JAN06	942		34,725.00	24
19 - Stellarator Core Management and Integration								
191 - Stellarator Core Management & Oversight								
Job: 1901 - Stellarator Core Mngtt&Integr-NELSON								
0000								
1901-002	Apr-Sept MIE Costs ORNL	01APR03A	248	30SEP03A		100	187,090.00	0
1901-ECP16	ecp16	01OCT03A	250*	30SEP04A		LOE	30,000.00	10
191 - Stellarator Core Management & Oversight								
191-4	LOE-FY04 WBS 191-4 Management Activities	01OCT03A	250*	30SEP04A		LOE	145,699.85	10
0191-5	LOE-FY05 WBS 191	01OCT04*	250*	30SEP05	1,008	LOE	170,654.00	10
0191-6	LOE-FY06 WBS 191	03OCT05*	249*	02OCT06	525	LOE	170,673.79	10
0191-6X	LOE-FY07 WBS 191	03OCT06*	234	10SEP07	525	LOE	179,301.00	10
0191-91	LOE-FY06 WBS 191 1 mo SO	01OCT07*	22	30OCT07	345	LOE	7,877.20	0
0191-92	LOE-FY06 WBS 191 1 mo SO	31OCT07*	21	28NOV07	345	LOE	7,877.20	0
0191-93	LOE-FY06 WBS 191 1 mo SO	03DEC07*	15	21DEC07	345	LOE	7,877.20	0



Run Date **22NOV04 10:31**

CD-3 Proposed Baseline
Progress Bar
Critical Activity

EC18

NCSX
ECP 18

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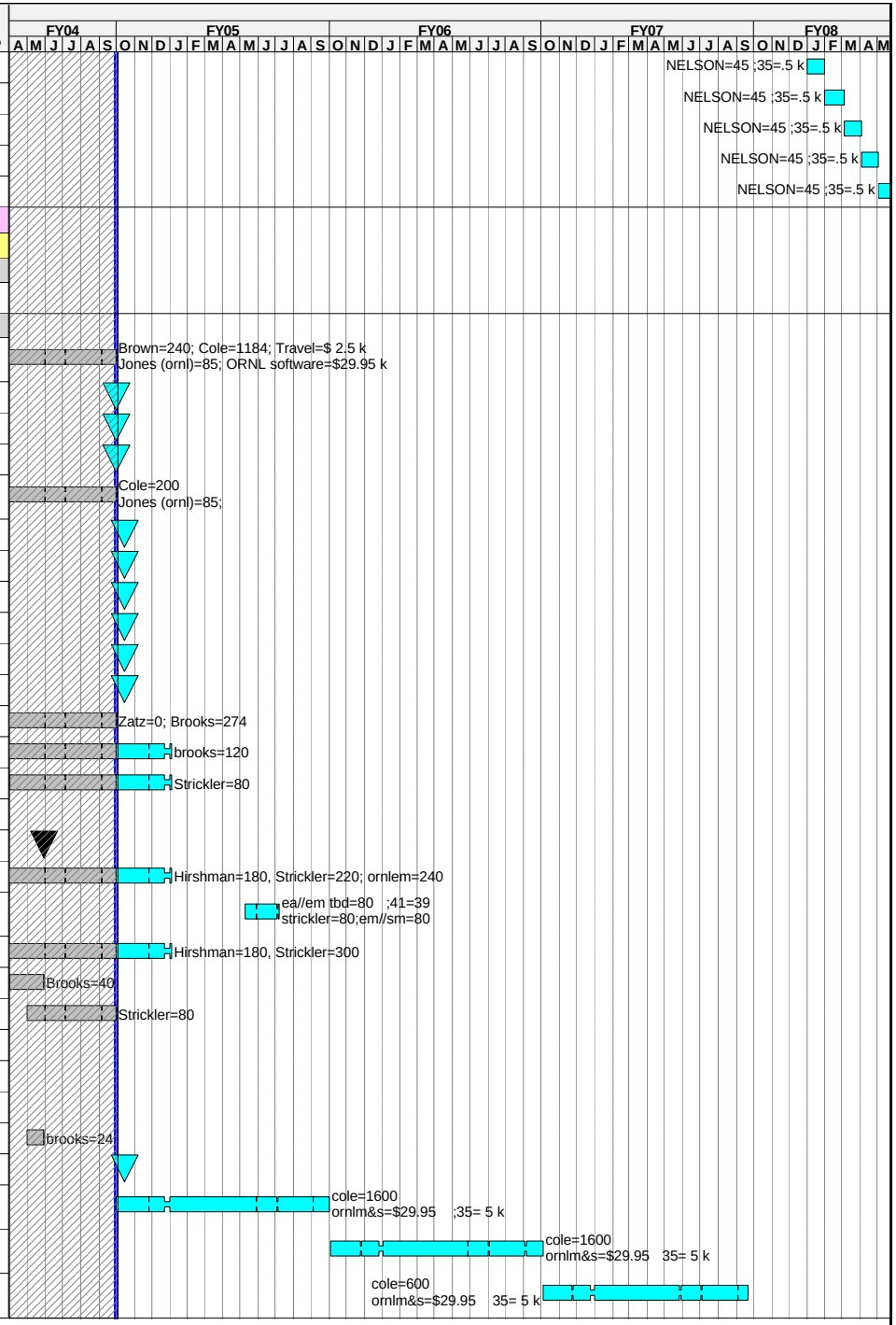
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Budget	contin-gency %
0191-94	LOE-FY06 WBS 191 1 mo SO	02JAN08*	22	31JAN08	345	LOE	7,877.20	0
0191-95	LOE-FY06 WBS 191 1 mo SO	01FEB08*	22	03MAR08	345	LOE	7,877.20	0
0191-96	LOE-FY06 WBS 191 1 mo SO	04MAR08*	22	02APR08	345	LOE	7,877.20	0
0191-97	LOE-FY06 WBS 191 1 mo SO	03APR08*	21	01MAY08	345	LOE	7,877.20	0
0191-98	LOE-FY06 WBS 191 1 mo SO	02MAY08*	21	02JUN08	345	LOE	7,877.20	0
192 - Stellarator Core Integration & Analysis								
Job: 1901 - Stellarator Core Mngtt&Integr-NELSON								
0000								
1901-003	Apr-Sept MIE Costs PPPL	01APR03A	248	30SEP03A		100	67,070.00	0
192 - Stellarator Core Integration & Analysis								
192-4	LOE-FY05 WBS 192-4 Design Integration Activities	01OCT03A	250*	30SEP04A		LOE	237,358.09	10
192-4.1	Self consistent models/dwgs f/ Mod Coil & VV FDR		0	30SEP04*	1,258	100	0.00	10
192-4.2	Self consistent models/dwgs Conv Coils&sprt strc		0	30SEP04*	1,258		0.00	10
192-4.4	Stellarator Core Assy dwgs & assy sequence		0	30SEP04*	1,258		0.00	10
192-5	LOE-FY05 WBS 192-5 VV & Coil Services Integr	01OCT03A	250*	30SEP04A		LOE	36,676.65	10
192-5.1	\VV Helium Line Models		0	15OCT04*	1,247		0.00	10
192-5.2	Mod Coil LN2 Lines Layouts		0	15OCT04*	1,247		0.00	10
192-5.3	Mod Coil Leads Layouts		0	15OCT04*	1,247		0.00	10
192-5.4	PF Coil Leads & Services Layouts		0	15OCT04*	1,247		0.00	10
192-5.5	TF Coil leads & Services Layouts		0	15OCT04*	1,247		0.00	10
192-5.6	External Trim Coil Leads /services Layouts		0	15OCT04*	1,247		0.00	10
192-6	LOE-FY05 WBS 192-6 Integrated Analysis	01OCT03A	271	30SEP04A		LOE	44,031.80	10
192-6.01	Document coil tolerance and trim coil requiremen	01MAR04A	210*	03JAN05	1,197	95	19,526.41	10
192-6.02	Check critical coil tolerance calculations.	01APR04A	187*	03JAN05	1,197	50	10,763.41	10
192-6.2	Final Mod Coil Trajectories		0	27FEB04A			0.00	10
192-6.5	Structural Design criteria		0	28MAY04A		100	0.00	10
192-6.03	Method for determining current center	01FEB04A	230*	03JAN05	1,197	80	85,407.03	10
192-6.031	Demo Method for current center on TRC	12MAY05	40	08JUL05	1,065		88,519.19	10
192-6.06	Coil positions to minimize islands.	02FEB04A	230*	03JAN05	1,197	70	64,055.27	10
192-6.07	Time constant calcs using SPARK	01APR04A	42*	28MAY04A		100	6,428.00	10
192-6.08	Indep check time constant calcs using EDDYCUFF	01MAY04A	138*	30SEP04A		100	10,295.20	10
192-6.09	Revised VV geometry	02FEB04A	6	27FEB04A		100	3,214.00	10
192-6.10	MC interf during assly, geometry, assly trajecto	02FEB04A	31	27FEB04A		100	34,073.60	10
192-6.11	Range of motion reqts for Assly MC fixture.	02FEB04A	20	27FEB04A		100	18,003.60	10
192-6.12	Final Check & Verification	01MAY04A	6	28MAY04A		100	3,856.80	10
192-6.3	Best fit for mod coil assy on winding measuremen		0	15OCT04*	1,247		0.00	10
0192-5	LOE-FY05 WBS 192	01OCT04*	250*	30SEP05	1,008	LOE	271,606.12	10
0192-6	LOE-FY06 WBS 192	03OCT05*	250	03OCT06	516	LOE	272,334.19	10
0192-6X	LOE-FY06 WBS 192	04OCT06*	242	21SEP07	516	LOE	135,038.20	10



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CD-3 Proposed Baseline
Progress Bar
Critical Activity

EC18

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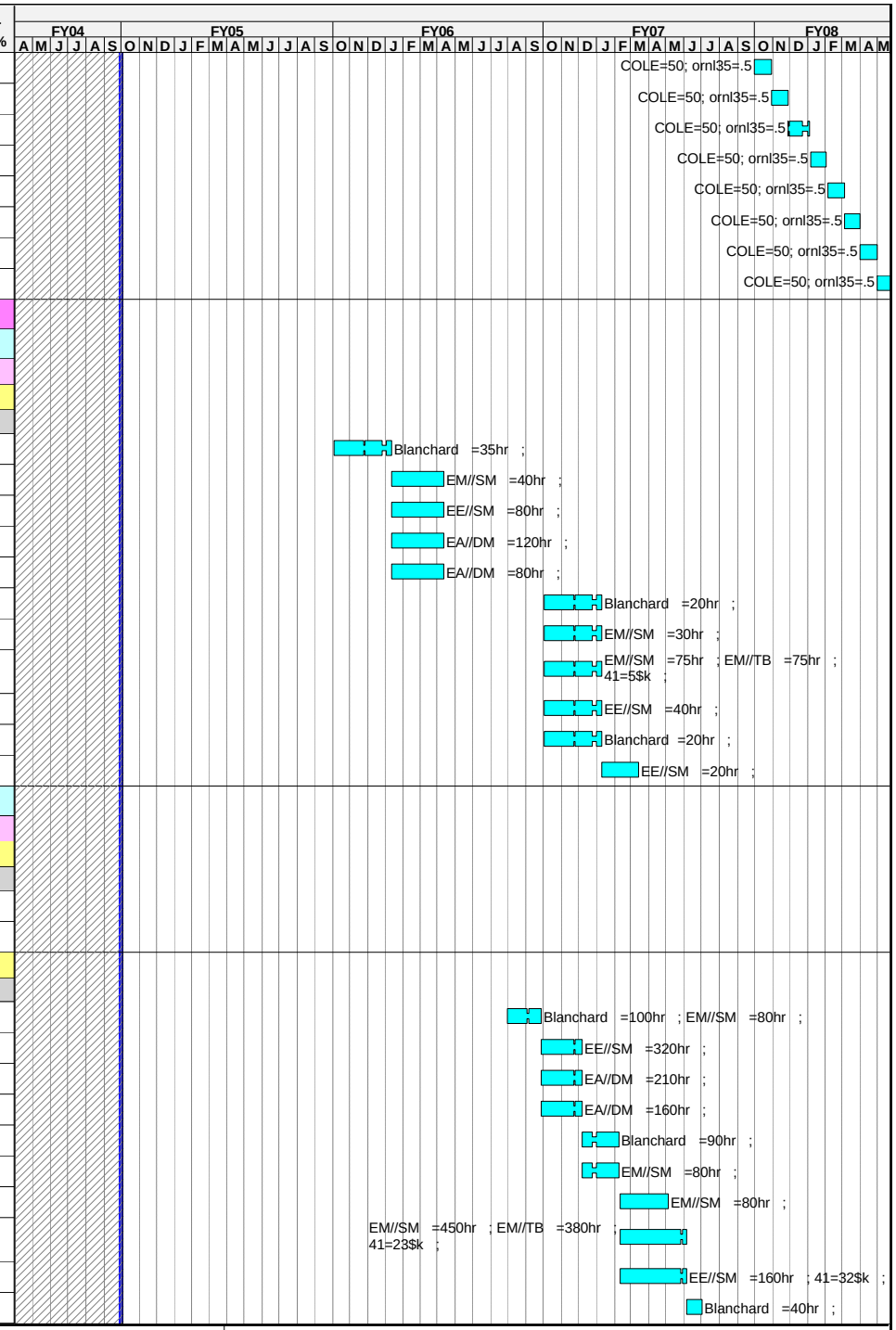
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Budget	contin-gency %
0192-91	LOE-F1 mo SO	01OCT07*	22	30OCT07	348	LOE	8,285.04	10
0192-92	LOE-F1 mo SO	31OCT07*	20	27NOV07	348	LOE	8,285.04	10
0192-93	LOE-F1 mo SO	28NOV07*	19	04JAN08	348	LOE	8,285.04	10
0192-94	LOE-F1 mo SO	07JAN08*	20	01FEB08	348	LOE	8,285.04	10
0192-95	LOE-F1 mo SO	04FEB08*	21	03MAR08	348	LOE	8,285.04	10
0192-96	LOE-F1 mo SO	04MAR08*	21	01APR08	348	LOE	8,285.04	10
0192-97	LOE-F1 mo SO	02APR08*	20	29APR08	348	LOE	8,285.04	10
0192-98	LOE-F1 mo SO	30APR08*	20	28MAY08	348	LOE	8,285.04	10
2 - Plasma Heating, Fueling & Vac Systems								
21 - Fueling Systems								
ECP 16 October 2004								
21-10	Eng. Work Planning and Design	03OCT05*	65	11JAN06	306		5,978.00	14
21-15	Design Gas Handling Hardware	12JAN06	65	12APR06	306		4,440.00	14
21-20	Design PLC Controls	12JAN06*	65	12APR06	306		9,247.20	14
21-25	Electrical Drafting for pumping system	12JAN06*	65	12APR06	306		12,806.40	14
21-30	Drafting	12JAN06*	65	12APR06	306		8,537.60	14
21-35	Eng. Work Planning and Design during fab	02OCT06*	65	10JAN07	188		3,586.80	14
21-40	Fabrication/Install Hardware	02OCT06*	65	10JAN07	188		3,496.50	14
21-45	Fabrication/installation	02OCT06*	65	10JAN07	188		21,754.75	14
21-55	Install PLC Controls	02OCT06*	65	10JAN07	188		4,854.80	14
21-60	Integrated Systems Testing/Eng	02OCT06*	65	10JAN07	188		3,586.80	14
21-65	Integrated Systems Testing/Tech Support	11JAN07*	45	14MAR07	188		2,427.40	14
22 - Torus Vacuum Pumping Systems								
Job: 2001-VPS,Gas& Cond Sys Oversight-BLANCHARD								
0000								
2001-001	Apr-May MIE Cost	01APR03A	43*	30MAY03A		100	35,300.00	0
2001-100	PDR Support	01JUN03A	164*	30SEP03A		LOE	24,896.00	0
22-25	Eng. Work Planning and Design	01AUG06*	40	26SEP06	118		25,960.00	14
22-30	Design PLC based control system	27SEP06	50	07DEC06	158		38,727.42	14
22-35	Electrical Drafting for pumping system	27SEP06	50	07DEC06	178		23,465.32	14
22-40	Drafting	27SEP06	50	07DEC06	118		17,878.34	14
22-45	Eng. Work Planning and Design during fab	08DEC06*	40	09FEB07	138		16,140.60	14
22-50	Perform maint. & repair of pmpg sys	08DEC06*	40	09FEB07	118		9,324.00	14
22-55	Repair and Calibration of vac instrumentation	12FEB07*	60	04MAY07	138		9,324.00	14
22-60	Fabrication/installation	12FEB07*	80	04JUN07	118		115,290.90	14
22-65	Fab PLC conrols	12FEB07*	80	04JUN07	118		61,819.20	14
22-70	Integrated Systems Testing/Eng	05JUN07*	20	02JUL07	118		7,173.60	14



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CD-3 Proposed Baseline
Progress Bar
Critical Activity

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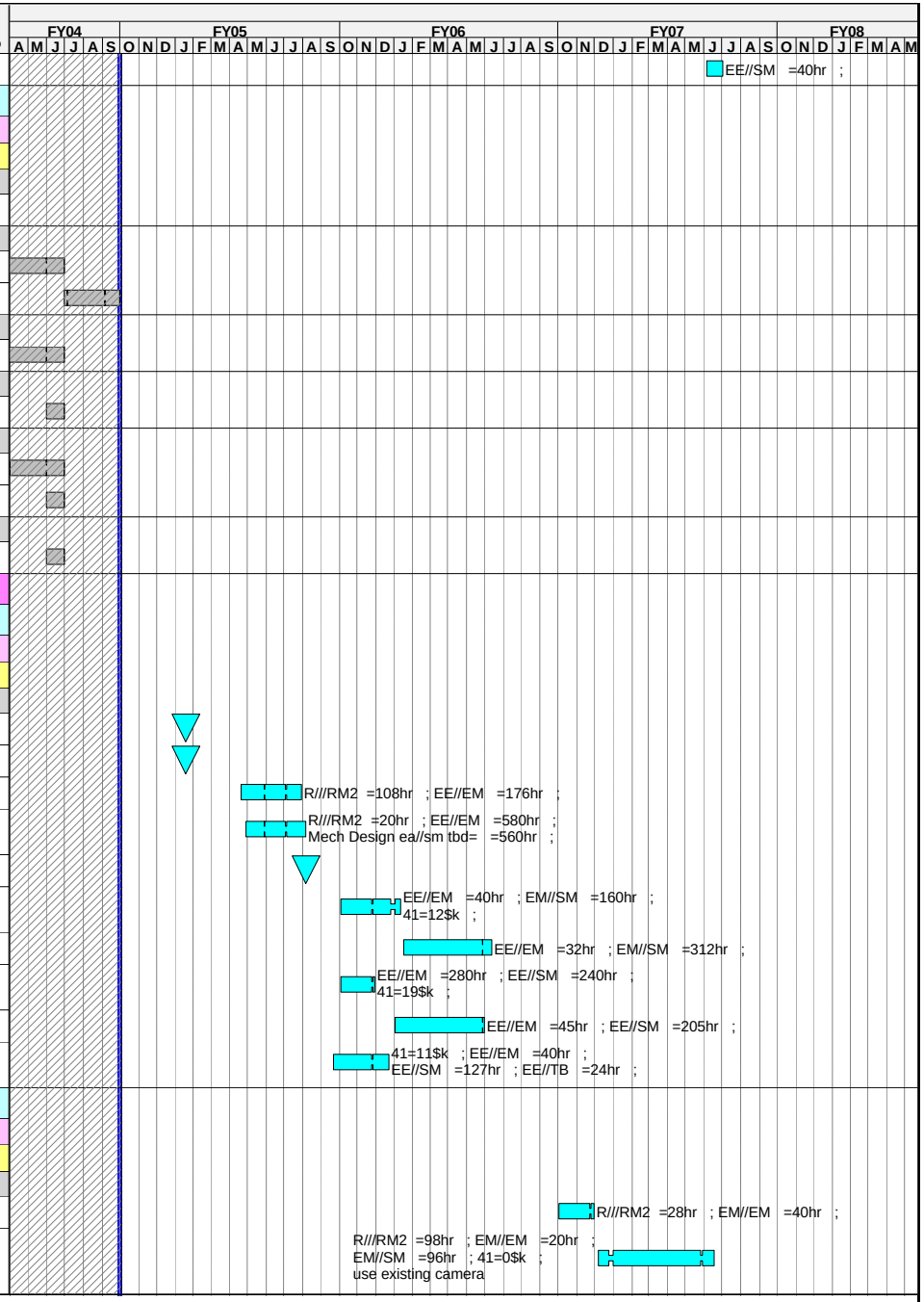
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Budget	contin-gency %
22-75	Integrated Systems Testing/Tech Support	05JUN07*	20	02JUL07	118		4,854.80	14
25 - Neutral Beam Injection System								
250 - Neutral Beam Injection System								
Job: 2501 - Neutral Beam Refurbishment-STEVENSON								
0000								
2501-001	Apr-Sept MIE Cost	01APR03A	43*	30SEP03A		100	146,310.00	0
FY04 Work Plan								
2501-014	FY04 work accomplished	03NOV03A	227	30JUN04A			81,853.50	16
2501-014.1	FY04 work closeout *TBD*	01JUL04A	64*	30SEP04A		LOE	49,247.90	16
RefurbishmentCD-3 deleted scope**								
25-099	FY04 work accomplished	01MAR04A	846*	30JUN04A			44,652.60	16
Re-Install BeamlineCD-3 deleted scope**								
25-190.1	33) Fabr BL alignment measur fixture,	01JUN04A	699*	30JUN04A			2,586.20	16
Re-Install CablesCD-3 deleted scope**								
25-225.1	Cabling-Design & WP Procedures	01APR04A	872*	30JUN04A			4,845.00	16
25-230.1	Cabling-Fabr and Install new Junction Box	02JUN04A	190	30JUN04A			736.80	16
Beamline ConnectionsCD-3 deleted scope**								
25-310.1	Drafting Labor Support	01JUN04A	298	30JUN04A			2,524.80	16
3 - Diagnostics								
31 - Magnetic Diagnostics								
Job: 3101 Magnetic Diagnostics								
310-005	Finalize Loop Geometry		0	17JAN05*	270		0.00	30
310-006	Magnetics CDR		0	17JAN05*	245		0.00	30
310-010	Design Mag Diagnostics	22APR05*	69	29JUL05	202		45,197.16	30
310-020	Design other ex-vessel sensors	29APR05*	69	05AUG05	172		155,621.00	30
310-011	Mag diag and Coil Sensor FDR		0	05AUG05	197		0.00	30
310-025	Procure matl for ex-vsl sensors	03OCT05*	65	11JAN06	226		39,290.90	30
310-026	Install ex-vessel sensors on coils	16JAN06	105	12JUN06	224		39,916.48	30
310-015	Fabricate Magnetics	03OCT05*	40	29NOV05	158		65,591.80	30
310-016	Install terminal boxes and terminate	03JAN06	105	30MAY06	845		31,127.25	30
310-030	Design & Fab Magnetic integrators	22SEP05	65	23DEC05	140		37,138.36	30
36 - Edge and Divertor Diagnostics								
361-001	Design Visible Camera sys	02OCT06*	40	28NOV06	128		11,821.60	20
361-015	Fab/Assy/Installation Visible Camera	08DEC06*	130	18JUN07	121		31,043.60	20



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CD-3 Proposed Baseline
Progress Bar
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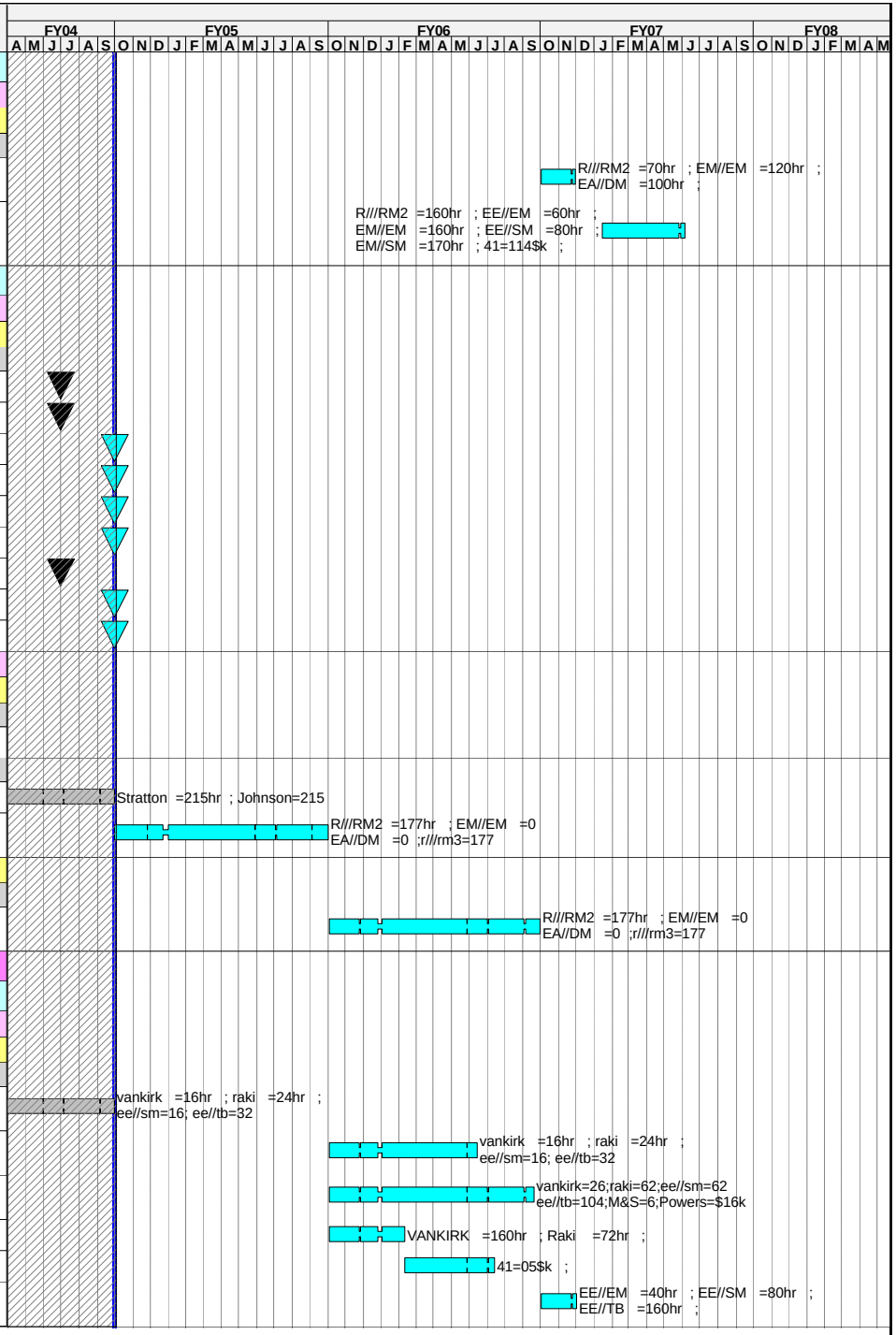
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Budget	contin-gency %
38 - Electron Beam (EB) Mapping								
380-010	Designe-Beam Probe,Fluor. Screen	02OCT06*	40	28NOV06	156		44,346.80	34
380-015	Fab & Install Beam probe	15JAN07*	102	06JUN07	129		246,231.50	34
39 - Diagnostics Integration								
390 - Diagnostics Integration								
Job: 3901 - Diagnostics sys Integration-JOHNSON								
390-100	Finalize VV ports (number,size,locations)		0	30JUN04A		100	0.00	10
390-110	Resolve port interferences.Final port config		0	30JUN04A		100	0.00	10
390-120	Update port map&revise diag port assignments		0	30SEP04*	1,258	90	0.00	10
390-130	Rvw status of existing ICD's w/VV & Mod Coils		0	30SEP04*	1,258	100	0.00	10
390-140	Write ICD's-Define external space for diagnostic		0	30SEP04*	1,258	50	0.00	10
390-150	Write ICD's-Define space f/racks in cntrl rm		0	30SEP04*	1,258	50	0.00	10
390-160	Start recruiting diag team at HTPD conference		0	30JUN04A		100	0.00	10
390-170	Develop space envelopes for SXR		0	30SEP04*	1,258	70	0.00	10
390-180	Hold CDR's co-wound mag sensors&ext saddle loops		0	30SEP04*	1,258		0.00	10
Job: 3901 - Diagnostics sys Integration-JOHNSON								
0000								
390-001	LOE Support FY03	01APR03A	151*	30SEP03A		100	155,450.00	30
390-010	LOE Support FY04	01OCT03A	250*	30SEP04A		LOE	78,023.50	30
390-015	LOE Support FY05 **reduced scope	01OCT04*	250*	30SEP05	1,008		67,300.71	30
390-020	LOE Support FY06	03OCT05*	248*	29SEP06	760		68,631.75	30
4 - Electrical Power Systems								
41 - AC Power								
411 - Auxliary AC Power Systems								
Job: 4101 - AC Power-RAMAKRISHNAN								
411 - Auxiliary AC Power Systems								
4101-100	Prepare Preliminary One line diagram	01MAR04A	173*	30SEP04A		100	8,496.72	18
4101-100.1	Prepare Preliminary One line diagram	03OCT05*	173	13JUN06	835		1,007.93	18
411-1-100	Ex-Test cell AC pwr-Reactivate& new instl	03OCT05*	241	20SEP06	767		56,876.86	18
411-2-2	Grounding-Dsn	03OCT05*	86	09FEB06	324		28,965.28	18
411-2-4	Grounding-Procure	10FEB06*	107	13JUL06	324		6,450.00	18
411-2-6	Grounding-Install	02OCT06*	43	01DEC06	226		63,205.80	18



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Progress Bar
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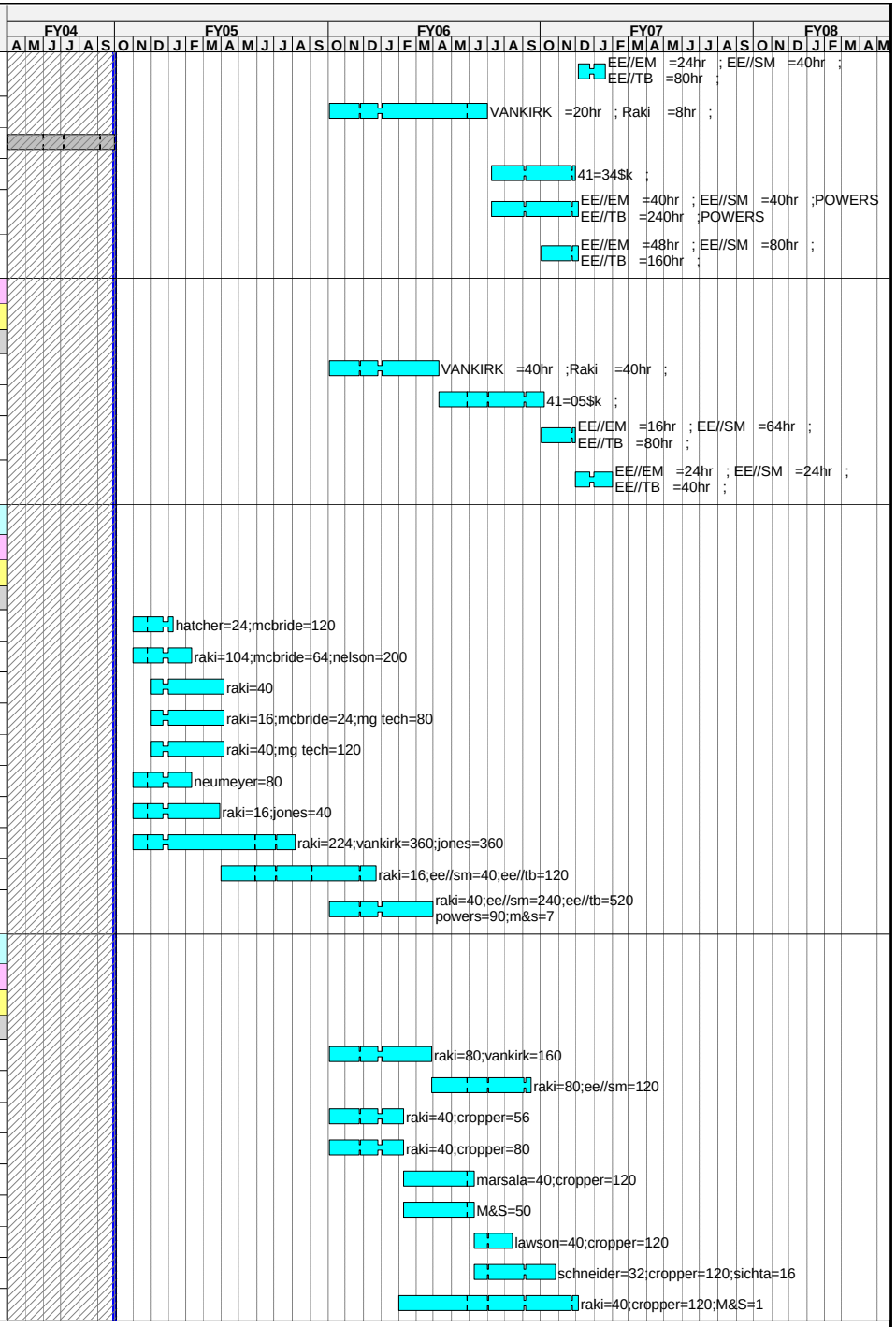
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Budget	contin-gency %
411-2-8	Grounding-Commission	04DEC06*	29	19JAN07	226		15,734.00	18
411-3-2	Test Cell AC Power Distr-Dsn	03OCT05*	186	30JUN06	360		3,455.52	18
411-3-2.04	Test Cell AC Power fy04	01APR04A	186*	30SEP04A		100	148,730.00	18
411-3-4	Test Cell AC Power Distr-Procure(pnls & xfrmrs)	10JUL06*	101	30NOV06	256		44,354.85	18
411-3-6	Test Cell AC Power Distr-Install	10JUL06*	104	05DEC06	253		31,080.38	18
411-3-8	Test Cell AC Power Distr-Commission	02OCT06*	45	05DEC06	253		31,468.00	18
412 - Experimental AC Power Systems								
Job: 4101 - AC Power-RAMAKRISHNAN								
412 - Experimental AC Power Systems								
412-1-2	D-site Pulsed AC Power Distr-Dsn	03OCT05*	128	10APR06	230		10,874.40	18
412-1-4	D-site Pulsed AC Power Distr-Procure	11APR06	125	06OCT06	230		6,457.00	18
412-1-6	D-site Pulsed AC Power Distr-Install	02OCT06*	40	28NOV06	195		17,259.68	18
412-1-8	D-site Pulsed AC Power Distr-Commission	29NOV06	40	31JAN07	195		10,433.28	18
43 - DC Systems								
431 - C-Site DC Systems								
Job: 4301 - DC Systems-RAMAKRISHNAN								
431 - C-Site DC Systems								
431-200	Condition/spare parts inventory	01NOV04*	42	07JAN05	1,195		17,487.36	18
431-210	Organize & verify documentation	01NOV04*	65	09FEB05	1,172		45,025.52	18
431-215	Document status	01DEC04*	84	05APR05	1,133		6,477.60	18
431-225	Reactivate DF & PEI units	01DEC04*	84	05APR05	1,133		11,584.80	18
431-230	Load	01DEC04*	84	05APR05	1,133		15,888.00	18
431-240	Simulate each of 6 pwr loops in PSCAD	01NOV04*	65	09FEB05	1,172		12,955.20	18
431-250	c-site dc sys DGS dsn documentation	01NOV04*	100	30MAR05	1,137		6,777.04	18
431-260	Power loop design	01NOV04*	190	05AUG05	606		111,622.56	18
431-265	Fabricate bus components	01APR05*	185	22DEC05	510		16,635.86	18
431-275	Power cabling & Installation	03OCT05*	121	30MAR06	446		201,061.60	18
44 - Control and protection Systems								
441 - Electrical Interlocks								
Job: 4401 - Control & Protection-RAMAKRISHNAN								
441 - Electrical Interlocks								
441-095	Design Interlock sys	03OCT05*	118	27MAR06	330		30,286.40	18
441-097	Install Interlock sys	28MAR06	119	14SEP06	330		27,082.00	18
441-100	PLC Specification	03OCT05*	85	08FEB06	741		13,078.64	18
441-105	Prep Block diagrams	03OCT05*	85	08FEB06	923		15,852.80	18
441-110	PLC CWD's & Cabling	09FEB06*	85	08JUN06	741		20,476.40	18
441-115	deliver PLC	09FEB06*	85	08JUN06	838		64,500.00	18
441-120	Program PLC Logic	09JUN06*	45	14AUG06	793		20,476.40	18
441-125	Program Control pages	09JUN06*	97	26OCT06	741		21,808.26	18
441-130	Pre-commissioning tests	31JAN06*	214	04DEC06	716		21,984.14	18



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CD-3 Proposed Baseline
Progress Bar
Critical Activity

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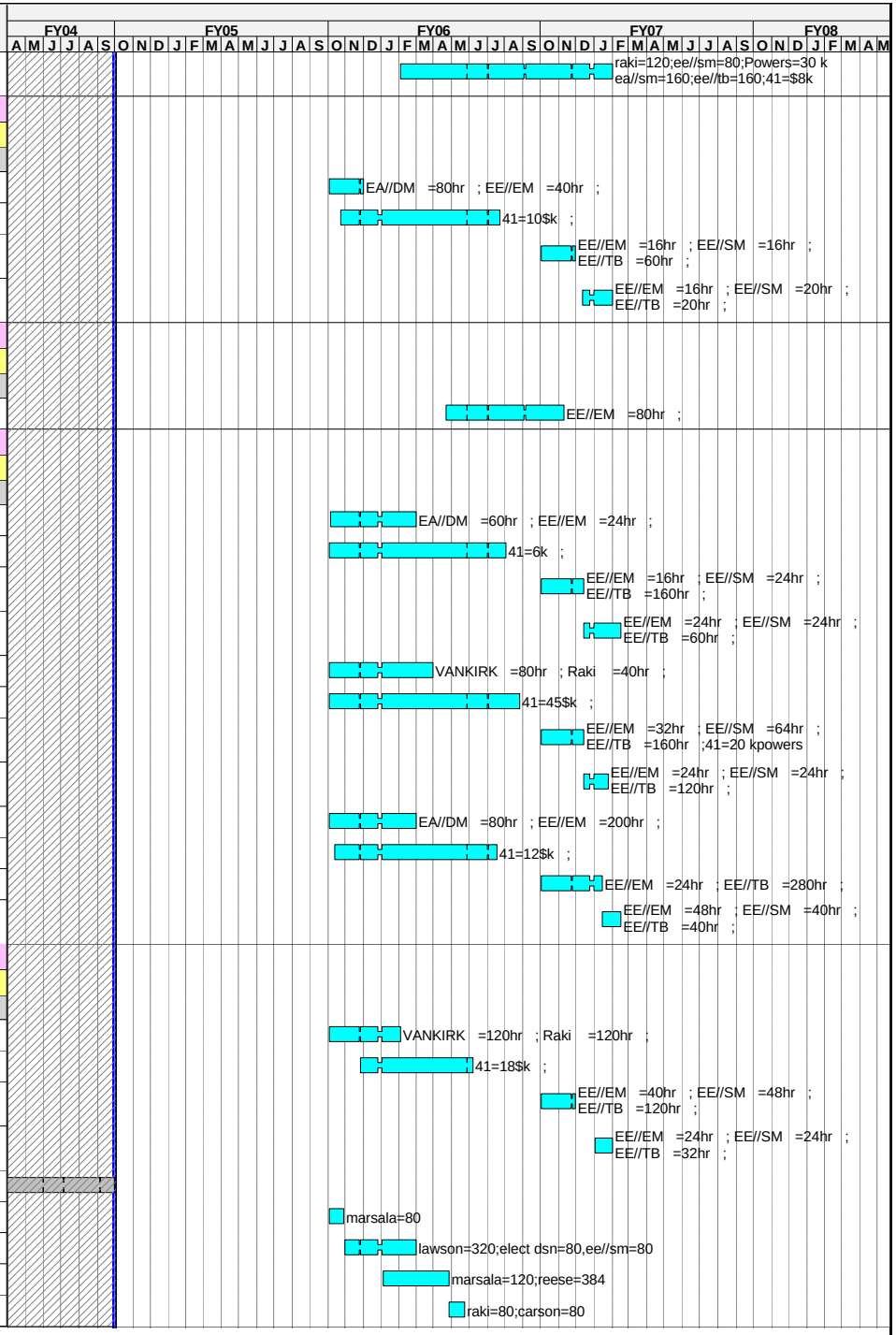
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Budget	contin-gency %
441-135	Install I/O Cabling	03FEB06*	248	01FEB07	679		109,351.65	18
442 - Kirk Key Interlocks								
Job: 4401 - Control & Protection-RAMAKRISHNAN								
442 - Kirk Key Interlocks								
442-1-2	Kirk Keys-Dsn	03OCT05*	41	30NOV05	402		15,143.20	18
442-1-4	Kirk Keys-Procure	24OCT05*	185	24JUL06	243		12,900.00	18
442-1-6	Kirk Keys-Install	02OCT06*	40	28NOV06	195		42,879.52	18
442-1-8	Kirk Keys-Commission	13DEC06	30	31JAN07	195		6,881.20	18
443 - Real Time Control Systems								
Job: 4401 - Control & Protection-RAMAKRISHNAN								
443 - Real Time Control Systems								
443-1-2	Develop Control Algorithms-Dsn	21APR06*	142	10NOV06	219		13,350.81	18
444 - Instrument Systems								
Job: 4401 - Control & Protection-RAMAKRISHNAN								
444 - Instrument Systems								
444-2-2	DC Potential Transducers (DCPTs)-Dsn	07OCT05*	95	28FEB06	818		10,366.56	18
444-2-4	DC Potential Transducers (DCPTs)-Procure	03OCT05*	207	02AUG06	741		7,740.00	18
444-2-6	DC Potential Transducers (DCPTs)-Install	02OCT06*	51	13DEC06	669		19,122.48	18
444-2-8	DC Potential Transducers (DCPTs)-Commission	14DEC06	40	15FEB07	669		12,112.68	18
444-3-2	DC Shunts-Dsn	03OCT05*	122	31MAR06	811		15,143.20	18
444-3-4	DC Shunts-Procure	03OCT05*	224	25AUG06	740		58,050.00	18
444-3-6	DC Shunts-Install	02OCT06*	51	13DEC06	685		53,251.68	18
444-3-8	DC Shunts-Commission	14DEC06*	24	24JAN07	685		17,150.88	18
444-4-2	Signal Conditioning & Cabling-Dsn	03OCT05*	99	28FEB06	819		41,565.60	18
444-4-4	Signal Conditioning & Cabling-Procure	13OCT05*	188	18JUL06	703		15,480.00	18
444-4-6	Signal Conditioning & Cabling-Install	02OCT06*	68	15JAN07	670		27,673.20	18
444-4-8	Signal Conditioning & Cabling-Commission	16JAN07	22	14FEB07	670		16,536.80	18
445 - Coil protection Systems								
Job: 4401 - Control & Protection-RAMAKRISHNAN								
445 - Coil Protection Systems								
445-1-2	Ground Fault Protection-Dsn	03OCT05*	82	03FEB06	361		32,623.20	22
445-1-4	Ground Fault Protection-Procure	28NOV05*	130	06JUN06	275		23,220.00	22
445-1-6	Ground Fault Protection-Install	02OCT06*	40	28NOV06	195		22,838.16	22
445-1-8	Ground Fault Protection-Commission	04JAN07	20	31JAN07	195		9,761.52	22
445-2-0	Overload Protection & Cabling-Prelim Dsn	01MAR04A	272	30SEP04A			1,054.90	22
445-2-105	Overload Protect-Write spec and approve	03OCT05*	20	28OCT05	808		13,211.20	22
445-2-110	Overload Protect-Design	31OCT05*	80	01MAR06	908		70,629.60	22
445-2-115	Overload Protect-Fabr 4 chassis 120 modls	06JAN06*	79	26APR06	808		64,203.36	22
445-2-120	Overload Protect-Test 4 units	27APR06	20	24MAY06	808		22,458.40	22



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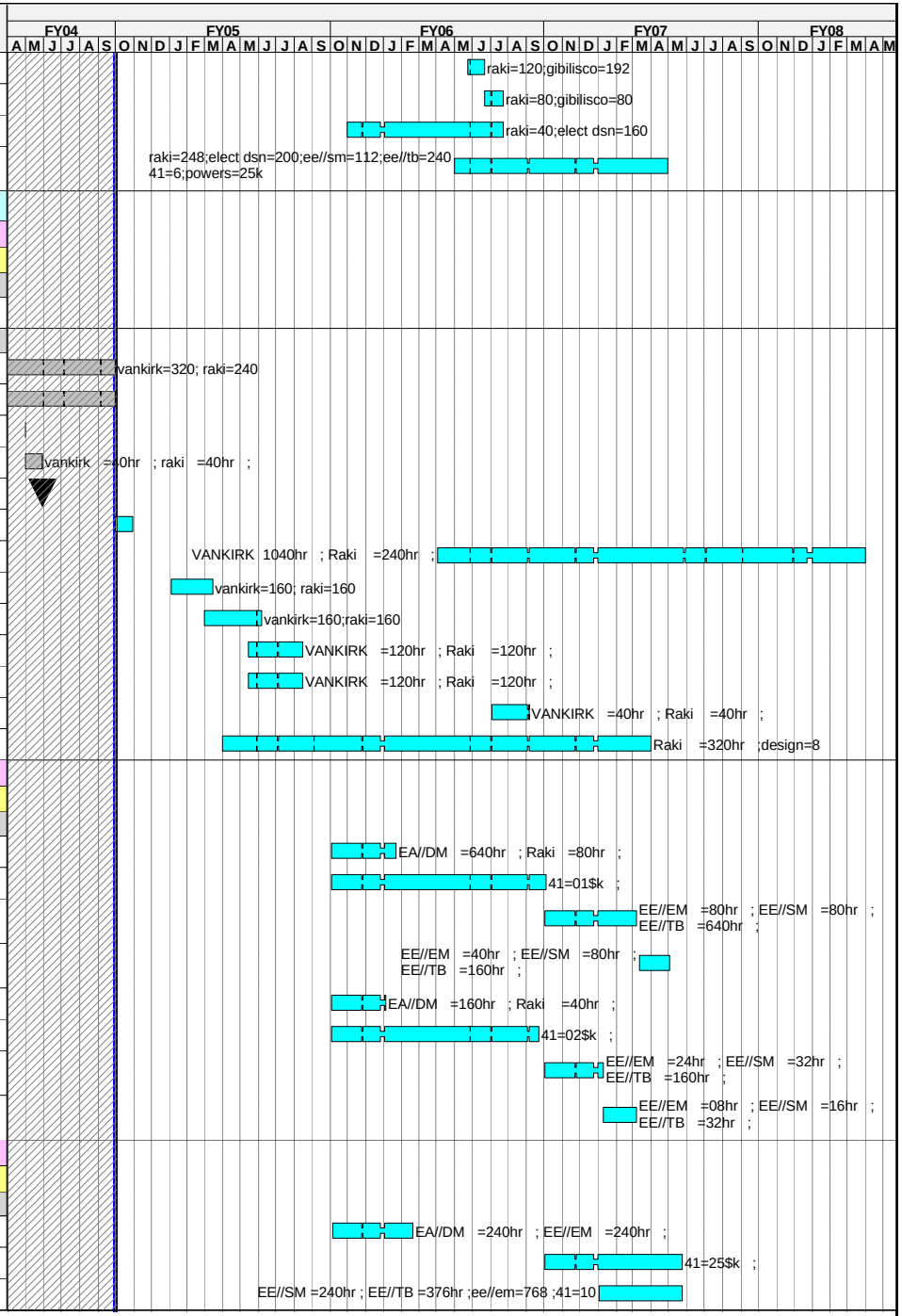
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Budget	contin-gency %
445-2-125	Overload Protect-Install & Rack wiring	25MAY06	20	22JUN06	808		42,010.08	22
445-2-130	Overload Protect-Write & perform ISTP	23JUN06	20	24JUL06	808		22,458.40	22
445-2-135	Overload Protect-Documentation	31OCT05	180	24JUL06	808		23,680.80	22
445-2-140	Overload Protection&cabling design,procure instl	01MAY06*	249	30APR07	617		137,763.61	22
45 - Power System Design and Integration								
451 - System Design and Interfaces								
Job: 4501 - Power Sys Dsn & Integr-RAMAKRISHNAN								
0000								
4501-001	Apr-Sept MIE Cost	01APR03A	43*	30SEP03A		100	112,340.00	0
451 - System Design & Interfaces								
4501-100	Design Drawings	02FEB04A	193*	30SEP04A		100	23,941.30	18
4501-110	Calculations-FY04	01MAR04A	151*	30SEP04A		100	0.00	18
451-0-1	C-Site Decision	30APR04A	0	30APR04A		100	0.00	18
451-7-2	FDR DC transmission-Dsn	01MAY04A	0*	28MAY04A		100	10,236.00	18
451-7-20	FDR DC transmission		0	28MAY04A		100	0.00	18
451-0-2	Develop SRD	01OCT04*	21	29OCT04	1,237		0.00	18
451-3-2	Dwgs,asbuilts -Elect Dsn	03APR06*	497	31MAR08	389		157,567.53	18
451-2-1	CDR Power system -Dsn	04JAN05*	51*	15MAR05	1,148		42,654.40	18
451-2-2	PDR Power system -Dsn	01MAR05*	69*	06JUN05	1,090		42,654.40	18
451-2-2.1	FDR C-Site	16MAY05*	64*	15AUG05	1,041		31,990.80	18
451-6-2	FDR C-Site -Cabling	16MAY05*	64*	15AUG05	1,041		31,990.80	18
451-4-2	FDR AC auxiliaries & grounding-Dsn	05JUL06*	45	06SEP06	777		10,874.40	18
451-1-2	Calculations-Dsn	01APR05*	498	30MAR07	638		54,089.10	18
452 - Electrical Systems Support								
Job: 4501 - Power Sys Dsn & Integr-RAMAKRISHNAN								
452 - Electrical Systems Support								
452-1-2	Diagnostics AC Power Distr-Dsn	03OCT05*	72*	20JAN06	329		81,512.00	26
452-1-4	Diagnostics AC Power Distr-Procure	05OCT05*	248	03OCT06	256		1,290.28	26
452-1-6	Diagnostics AC Power Distr-Install	02OCT06*	105	07MAR07	153		77,322.40	26
452-1-8	Diagnostics AC Power Distr-Commission	13MAR07*	37	02MAY07	153		30,080.80	26
452-2-2	Diagnostics sensor cabling-Dsn	03OCT05*	61*	05JAN06	380		23,680.80	26
452-2-4	Diagnostics sensor cabling-Procure	05OCT05*	240	21SEP06	264		2,580.00	26
452-2-6	Diagnostics sensor cabling-Install	02OCT06*	65	10JAN07	193		21,480.64	26
452-2-8	Diagnostics sensor cabling-Commission	11JAN07*	40	07MAR07	193		6,016.16	26
453 - System Testing (PTP's)								
Job: 4501 - Power Sys Dsn & Integr-RAMAKRISHNAN								
453 - System Testing (PTP's)								
453-1-2	New Procedures	06OCT05*	90	20FEB06	300		65,246.40	18
453-1-4	Preop Testing-Procure test equipt	02OCT06*	160	23MAY07	145		33,125.00	18
453-1-8	Testing PTPs, ISTPs	04JAN07*	100	23MAY07	145		207,122.72	18



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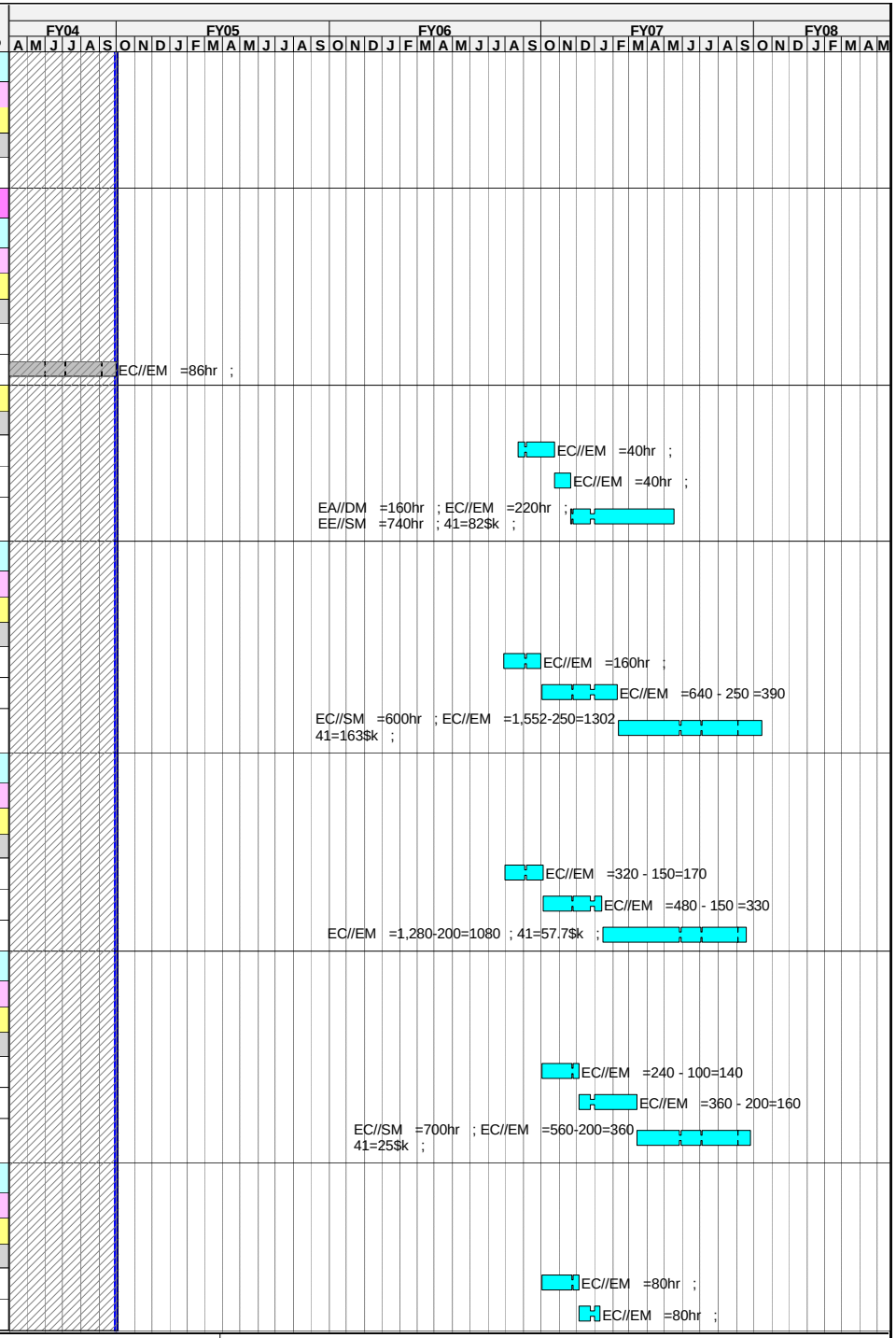
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Budget	contin-gency %
46 - FCPC Building Modifications								
460								
Job: 4601 - FCPC Bldg Mods-RAMAKRISHNAN								
0000								
4601-001	Apr-Sept MIE Cost	**01APR03A**	*43**	**30SEP03A**		***100***	1,300.00	0
5 - Central I&C Systems								
51 - TCP/IP Infrastructure Systems								
Job: 5801 -Central I&C Integr & Oversight-OLIARO								
51-00	FY03	**01APR03A**	*250**	**30SEP03A**		***LOE***	11,900.00	3
51-01	FY04 LOE support	**01OCT03A**	*250**	**30SEP04A**		***LOE***	12,358.20	3
51-10	Preliminary Design (Title I)	**21AUG06***	*45*	**23OCT06**	***213***		6,212.12	5
51-20	Final Network Design (Title II)	**24OCT06**	*20*	**20NOV06**	***213***		6,408.80	5
51-30	Installation, Testing, Documentation (Title III)	**21NOV06***	*120*	**17MAY07**	***213***		252,039.30	5
52 - Central Instrumentation & Control								
52-10	Preliminary Design (Title I)	**28JUL06***	*45*	**29SEP06**	***109***		24,414.40	10
52-20	Final Design (Title II) ECP17	**02OCT06***	*87*	**09FEB07**	***109***		62,485.80	10
52-30	Installation, Testing, Doc (Title III) ECP17	**12FEB07***	*173*	**15OCT07**	***109***		483,884.73	10
53 - Data Acquisition & Facility Computing								
53-10	Preliminary Design (Title I) ECP17	**01AUG06***	*45*	**03OCT06**	***129***		25,997.95	16
53-20	Final Design (Title II) ECP17	**04OCT06**	*65*	**12JAN07**	***129***		52,872.60	16
53-30	Coding, Configuration, Testing (Title III) ECP17	**15JAN07**	*173*	**17SEP07**	***129***		249,490.10	16
54 - Facility Timing & Synchronization								
54-10	Preliminary Design (Title I) ECP17	**02OCT06***	*45*	**05DEC06**	***124***		22,430.80	14
54-20	Final Design (Title II) ECP17	**06DEC06**	*65*	**14MAR07**	***124***		25,635.20	14
54-30	Installation, Testing, Doc ECP17	**15MAR07**	*135*	**24SEP07**	***124***		158,726.20	14
55 - Real Time Plasma & Power Supply Control Sys								
55-10	Preliminary Design (Title I)	**02OCT06***	*45*	**05DEC06**	***184***		12,817.60	8
55-20	Final Design (Title II)	**06DEC06**	*20*	**10JAN07**	***184***		12,817.60	8



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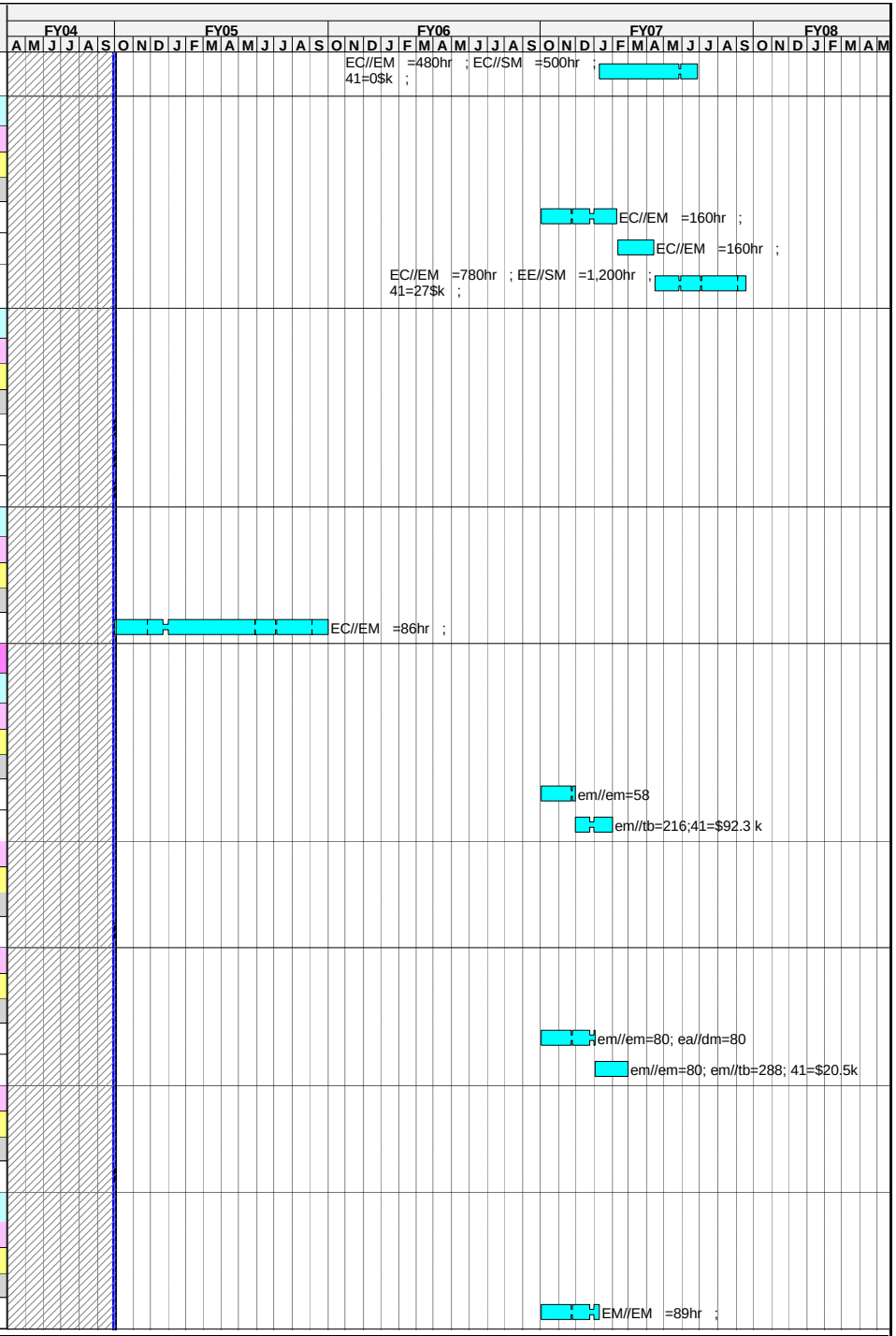
55-30	Installation, Testing, Documentation (Title III)	11JAN07	120	28JUN07	184		125,610.60	8
56 - Central Safety Interlock Systems								
56-10	Preliminary Design (Title I)	02OCT06*	87	09FEB07	129		25,635.20	8
56-20	Final Design (Title II)	12FEB07	45	13APR07	129		25,635.20	8
56-30	Installation, Testing, Documentation (Title III)	16APR07	108	17SEP07	129		306,390.60	8
57 - Control Room Facility								
57-10	Preliminary Design (Title I)	01OCT04	0	30SEP04	1,258		0.00	3
57-20	Final Design (Title II)	01OCT04	0	30SEP04	1,258		0.00	3
57-30	Installation, Testing, Documentation (Title III)	01OCT04	0	30SEP04	1,258		0.00	3
58 - Central I&C management and Integration								
Job: 5801 -Central I&C Integr & Oversight-OLIARO								
51-02	FY05 LOE support	01OCT04*	250*	30SEP05	1,008		12,900.00	3
6 - Facility Systems								
61 - Water Systems								
611 - C-Site Cooling System								
611 - C-Site Cooling System								
615.011	Engr recommissioning of C-Site Water systems	02OCT06*	40	28NOV06	213		10,401.72	20
615.021	Replace valves, resins, filters	29NOV06	40	31JAN07	213		140,696.38	20
612 - NB Water Cooling Systems								
612 - NB Water Cooling Systems								
622.001	**not req'd for CD-4** ECP 16	01OCT04	0	30SEP04	1,258		0.00	20
613 - Vacuum Pumping System								
613 - Vacuum Pumping System								
623.011	Design WBS 612	02OCT06*	59	02JAN07	194		23,312.00	20
632.021	WBS 612 Assembly/Fabrication/Installation	03JAN07*	40	27FEB07	194		66,041.54	20
614 - Bakeout Water System								
614 - Bakeout Water System								
625.001	*not req'd for CD-4** ECP 16	01OCT04	0	30SEP04	1,258		0.00	20
62 - Cryogenic Systems								
621 - LN2-LHe Supply System								
621 - LN2-LHe Supply System								
631-001	Preliminary Design	02OCT06*	65	10JAN07	134		15,961.26	20



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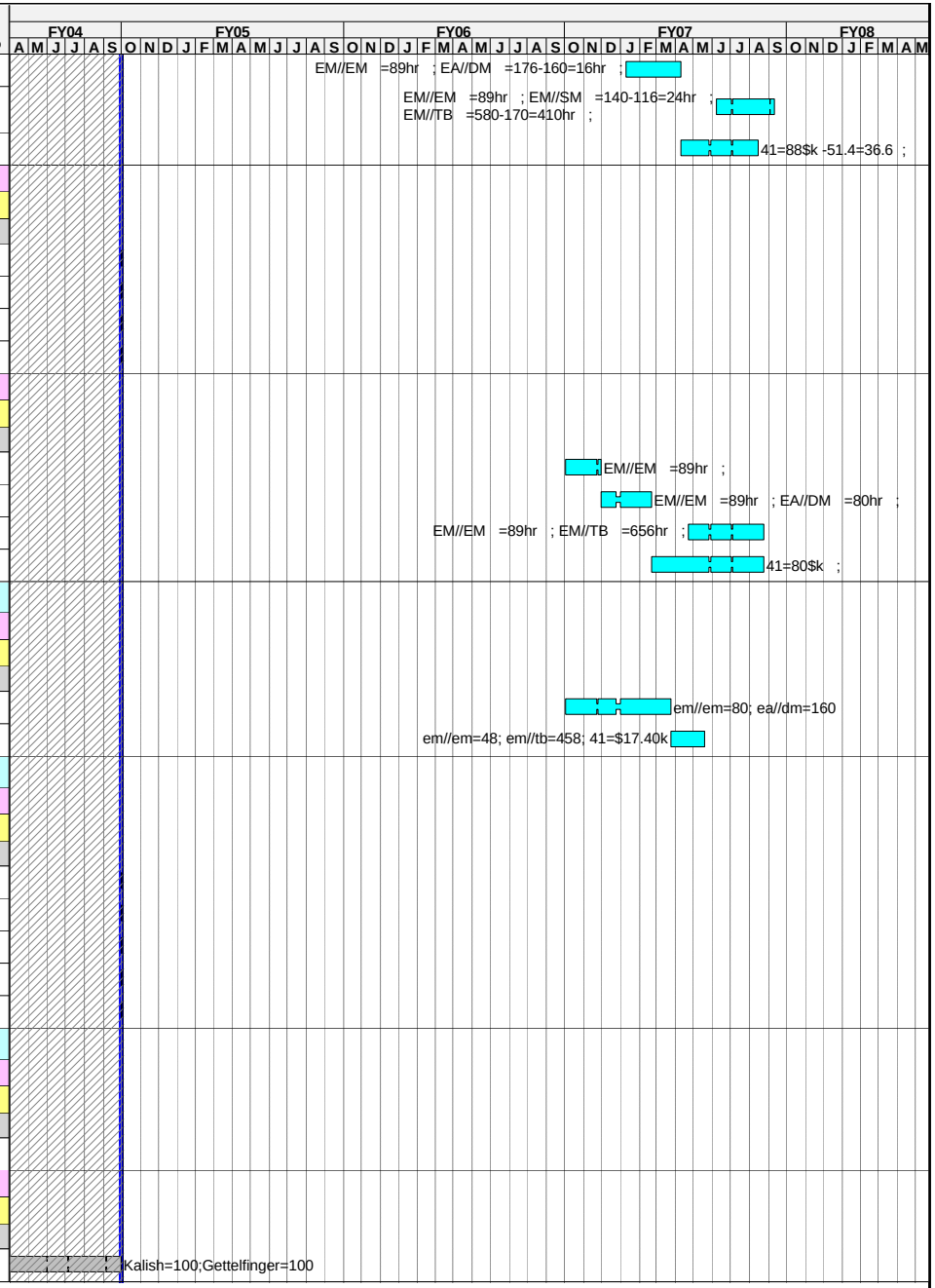
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Budget	contin-gency %
631-010	Final Design**reduced scope	11JAN07	65	11APR07	134		17,754.22	20
631-015	Fab/Assy/Installation**reduced scope	08JUN07*	65	10SEP07	134		71,144.16	20
631-020	Procurement **reduced scope	12APR07*	88	15AUG07	134		116,070.00	20
622 - LN2 Coil Cooling Supply								
622 - LN2 Coil Cooling Supply								
632-001	Preliminary Design**deleted scope	01OCT04	0	30SEP04	1,258		0.00	20
632-010	Final Design**deleted scope	01OCT04	0	30SEP04	1,258		0.00	20
632-015	Fab/Assy/Installation**deleted scope	01OCT04	0	30SEP04	1,258		0.00	20
632-020	Procurement**deleted scope	01OCT04	0	30SEP04	1,258		0.00	20
623 - GN2 Cryostat Cooling System								
623 - GN2 Cryostat Cooling System								
633-001	Preliminary Design	02OCT06*	40	28NOV06	144		15,961.26	20
633-010	Final Design	29NOV06	55	21FEB07	144		24,926.06	20
633-015	Fab/Assy/Installation	23APR07*	88	24AUG07	144		71,839.34	20
633-020	Procurement	22FEB07*	130	24AUG07	144		105,933.75	20
63 - Utility Systems								
640.011	Design GN2, Air & Vent Systems	02OCT06*	117	23MAR07	148		32,276.80	20
640.021	Assembly/Fabrication	26MAR07*	40	18MAY07	148		71,205.76	20
64 - PFC/VV Heating & Cooling*ELIMINATED*								
640 - PFC/VV Heating & Cooling								
650.001	Preliminary Design	01OCT04	0	30SEP04	1,258		0.00	20
650.005	Final Design	01OCT04	0	30SEP04	1,258		0.00	20
650.010	Lab Fab/Assy/Installation/Test	01OCT04	0	30SEP04	1,258		0.00	20
650.012	Procured Hardware/Material	01OCT04	0	30SEP04	1,258		0.00	20
650.015	Procured Installation/Assy	01OCT04	0	30SEP04	1,258		0.00	20
65 - Facility Systems Integration								
612 - NB Water Cooling Systems								
Job: 6501 - Facility Systems Integration-DUDEK								
0000								
6501-001	Apr-Sept MIE Cost PPPL	01APR03A	0	30SEP03A		100	9,380.00	0
650 - Facility Systems Integration								
Job: 6163 - Facility Systems Support FY04								
65-03	LOE WBS 6	01OCT03A	250*	30SEP04A		LOE	32,220.00	20



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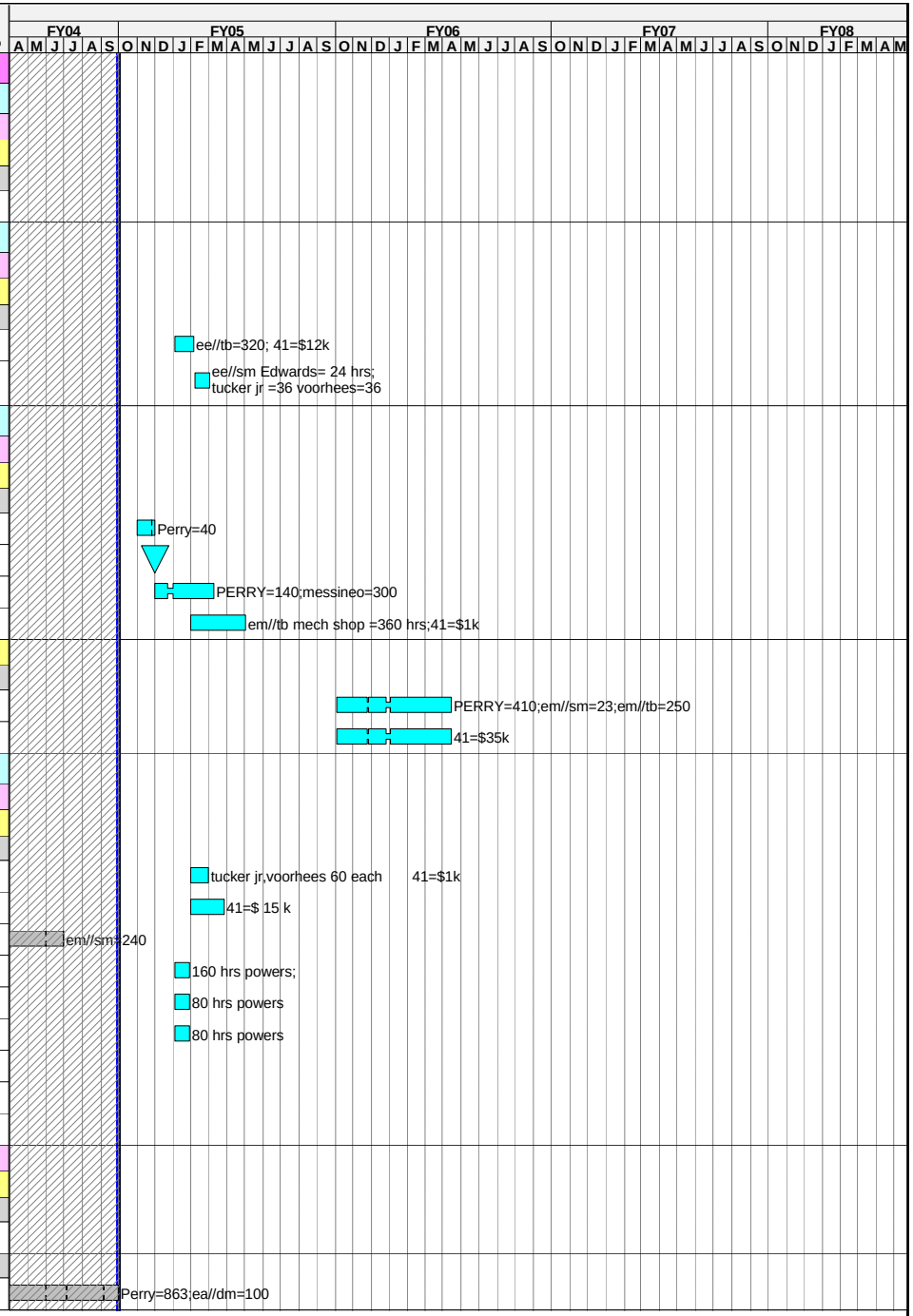
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Budget	contin-gency %
7 - Test Cell Preparation and Machine Assy								
71 - Shield Wall Seismic Modifications								
740 - Machine Assembly Planning and Oversight								
Job: 7101 - Shield Wall Modif Design-PERRY								
0000								
7101-000	Apr-Sept MIE Cost PPPL	01APR03A	66	30SEP03A		100	32,150.00	0
72 - Control Room Refurbishment								
720								
Job: 7201 - Control Room Walls&Floors-PERRY								
710.001	Block Wall east side control room	04JAN05*	24	04FEB05	1,157		41,762.40	10
711B.050	Complete Control Room Flooring	07FEB05	18	02MAR05	1,157	85	8,447.76	10
73 - Platform Design & Fabrication								
730 - Test Cell & Basement Assembly Operations								
Job: 7301 - Platform Design & Fab-PERRY								
712.008	Update Platform Specification	01NOV04*	20	30NOV04	444		6,699.60	24
712.009	Platform PDR		0	30NOV04*	444		0.00	24
712.010	Final Design	01DEC04	65	09MAR05	444		54,843.60	6
711A.040	Platform nut plates	01FEB05*	65	02MAY05	406	75	30,027.00	6
Job: 7401 - TC Prep & Mach Assy Planning-PERRY								
712.020	Fab & Assemble Platform	03OCT05*	132	14APR06	300		24,541.00	10
712.030	Miscs Hardware/Material	03OCT05*	132	14APR06	300		45,150.00	10
74 - Machine Assembly Planning and Oversight								
740 - Machine Assembly Planning and Oversight								
Job: 7401 - TC Prep & Mach Assy Planning-PERRY								
Test Cell Modifications & Upgrades								
613.030	Test Cell copper ground plane cuts	01FEB05*	20	28FEB05	1,157		10,935.00	24
713.010	General procurements	01FEB05*	40	28MAR05	1,137		20,835.00	24
7502-000	Outlet Design	02FEB04A	107*	30JUN04A		100	25,272.00	24
7502-001	Test Cell 110v outlets	03JAN05*	20	28JAN05	1,180		15,556.80	24
7502-002	Test Cell 208v outlets	03JAN05*	20	28JAN05	1,180		7,778.40	24
7502-010	Ready Rooms (under control room) 110v outlets	03JAN05*	20	28JAN05	1,054		7,778.40	24
7502-011	Cable Removal in test cell (S04335-32)	01OCT03A	0*	31OCT03A		100	9,937.20	24
7502-025	TC Floor penetration covers	03NOV03A	42	26NOV03A		100	16,848.00	24
EXFAC001.2	Complete Crane Modifications (S04354)	02FEB04A	0*	30JAN04A		100	37,608.48	24
741 - Planning Prior to Machine Assembly								
Job: 7401 - TC Prep & Mach Assy Planning-PERRY								
0000								
7401-001	Apr-Sept MIE Cost PPPL	01APR03A	66	30SEP03A		100	131,680.00	15
Oversight and Supervision								
711A.020	LOE FY04	01OCT03A	256*	30SEP04A		LOE	149,894.50	15



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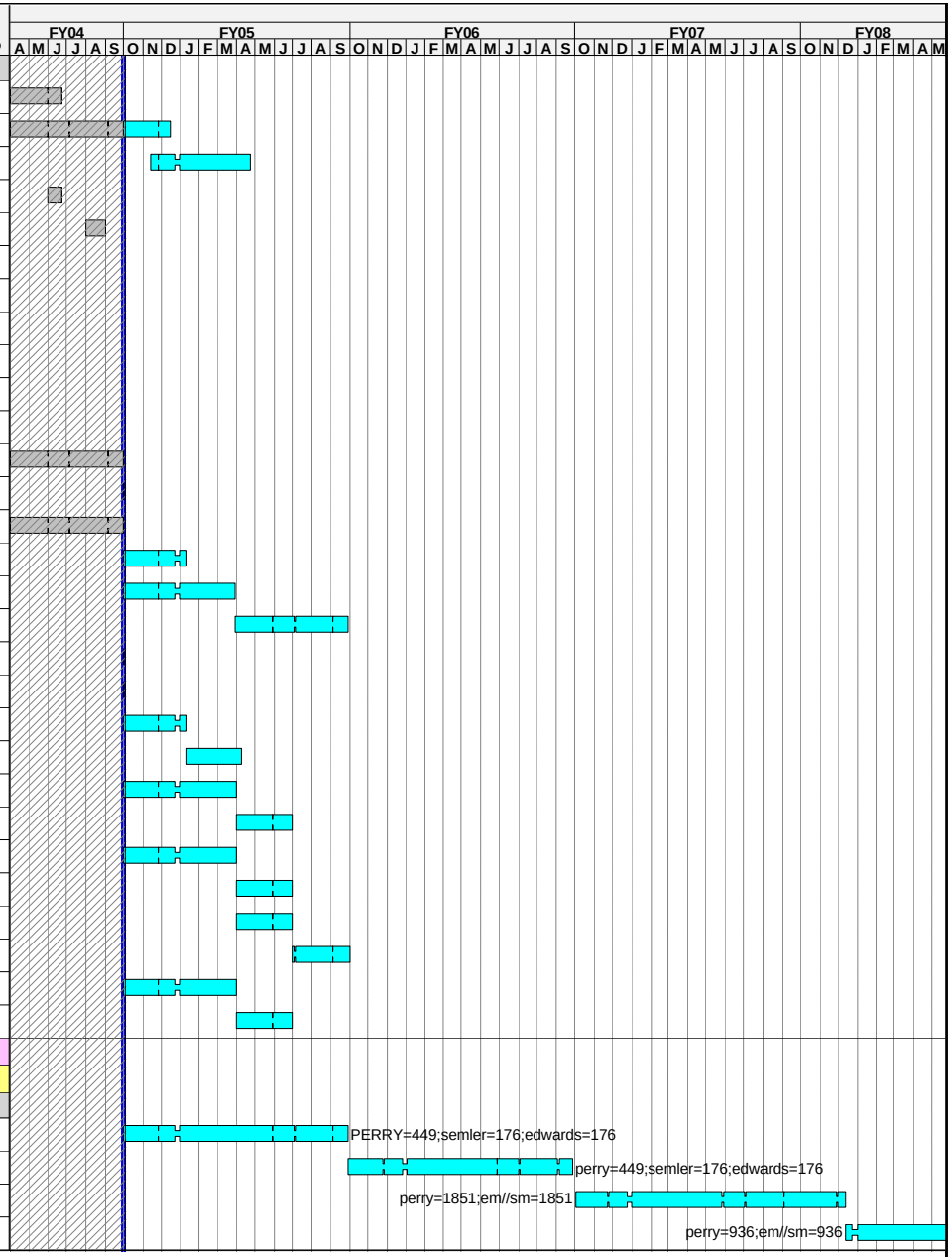
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Budget	contin-gency %
FED/Infrastructure Support (non Project cost)								
613.010	Remove Shield Walls ** GPP **	01APR04A	64*	22JUN04A			0.00	
613.015	Fabricate New Bottom Course of Blocks **GPP**	01APR04A	180*	15DEC04	1,204		0.00	
613.017	Install New Bottom Course **GPP**	15NOV04*	107	22APR05	1,118		0.00	
613.020	Remove south PLT shielding (cc 7230)	01JUN04A	0*	22JUN04A			0.00	
613.025	Dispose of old south PLT shielding **GPP**	01AUG04A	0*	31AUG04A			0.00	
EXFAC003	Clear PBX control room & Safe PBX (cc7230)	27JAN03A	110*	30JUN03A		100	0.00	
EXFAC004	Remove Fire protection PLT wall (cc7230)	01MAY03A	21	09MAY03A		100	0.00	
EXFAC005	Remove Fire Protection under platform (cc7230)	01APR03A	21	30APR03A		100	0.00	
EXFAC006	Remove Fire Protection Control rm walls(cc7230)	01MAY03A	21	09MAY03A		100	0.00	
EXFAC007	Remove PBX Base Plates cc7230)	25FEB04A	48*	12MAR04A		100	0.00	
GPP001	GPP-Upgarde C-Site central chilled wtr plant*TBD	01OCT02A	1	01OCT02A			0.00	
GPP004	GPP-Roofing Design	01APR04A	128*				0.00	
GPP004.1	GPP-Roofing Install	01OCT04*	0*	30SEP04	1,258		0.00	
GPP005	GPP-Test Cell lighting Design	01APR04A	128*				0.00	
GPP005.1	GPP-Test Cell lighting Install	01OCT04	64	10JAN05	1,194		0.00	
GPP006	GPP-Test Cell HVAC/dew point control Design	01OCT04*	120	29MAR05	1,010		0.00	
GPP006.1	GPP-Test Cell HVAC/dew point control Install	30MAR05	128	28SEP05	1,010		0.00	
GPP007	GPP-C-Site elevators Design	01OCT04*	0*	30SEP04	1,258		0.00	
GPP007.1	GPP-C-Site elevators Install	01OCT04	0*	30SEP04	1,258		0.00	
GPP008	GPP-Fire suppression high bay design	01OCT04*	64	10JAN05	1,130		0.00	
GPP008.1	GPP-Fire suppression high bay install	11JAN05	64	08APR05	1,130		0.00	
GPP009	Control Room Lights & Outlets design	01OCT04*	122*	31MAR05	1,008		0.00	
GPP009.1	Control Room Lights & Outlets install	01APR05	64	30JUN05	1,008		0.00	
GPP010	Control Room HVAC Design	01OCT04*	122*	31MAR05	1,008		0.00	
GPP010.1	Control Room HVAC Install	01APR05	64	30JUN05	1,008		0.00	
GPP011	Control Room Ceiling Design	01APR05*	64	30JUN05	1,008		0.00	
GPP011.1	Control Room Ceiling Install	01JUL05	64	30SEP05	1,008		0.00	
GPP012	Control Rm Fire Detection & Suppression Design	01OCT04*	122*	31MAR05	1,008		0.00	
GPP012.1	Control RmFire Detection & Suppression Install	01APR05	64	30JUN05	1,008		0.00	
742 - Construction Management								
Job: 7401 - TC Prep & Mach Assy Planning-PERRY								
Project Scope								
714.010	LOE FY05	01OCT04*	249	29SEP05	351		114,306.69	15
714.020	LOE FY06 prior to assy starting	30SEP05	246	26SEP06	351		116,559.84	15
714.030	LOE FY07 thru first plasma	02OCT06*	300	12DEC07	348		550,917.49	15
714.031	WBS 7 mgt stretch out cost	13DEC07	112	28MAY08	348		286,369.20	15



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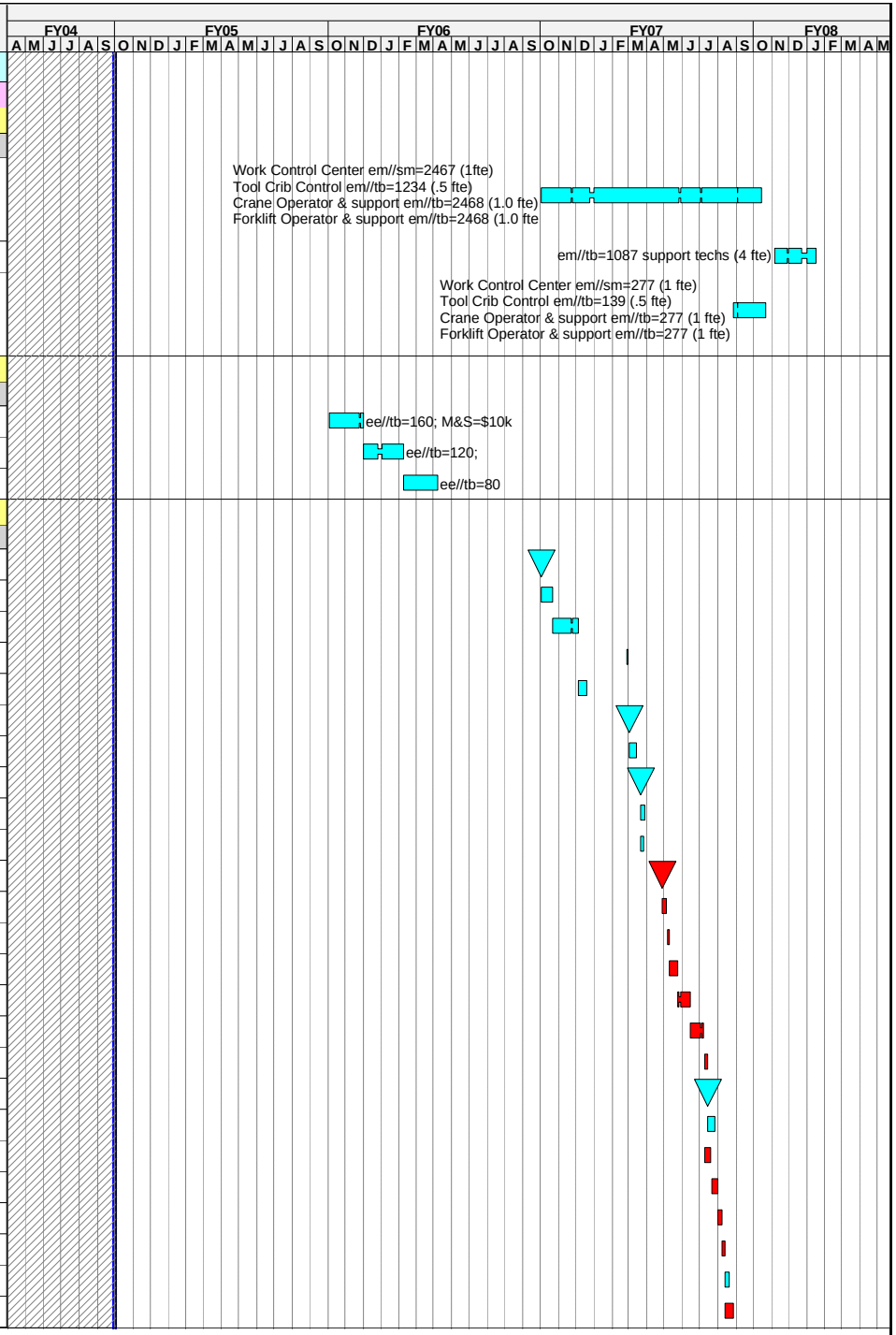
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Budget	contin-gency %
75 - Test Cell and Basement Assembly Operations								
750 - Test Cell & Basement Assembly Operations								
7501 - Construction Support Crew								
7501-05	Construction Support Crew during machine assy	02OCT06*	260	15OCT07	109		814,222.14	24
7501-06	Construction Support Crew during e-beam mapping	07NOV07	41	15JAN08	443		95,732.09	24
7501-07	Construction Support Crew during cryostat instl	28AUG07	40	23OCT07	494		92,672.39	24
7502 - Test Cell Facility Preparations								
7502-020	Resurface TC floor	03OCT05*	42	01DEC05	882		30,660.00	24
7502-030	TC Floor firesealing	02DEC05	42	07FEB06	882		13,320.00	24
7502-035	Control room firesealing	08FEB06	42	06APR06	882		8,880.00	24
7503 - Machine Assembly								
Final Assembly *Preliminary revised logic)*								
7503-010	Begin Assembly Activities	02OCT06*	0		184		0.00	24
7503-020	Install & Level Support Base Plates	02OCT06	15	20OCT06	184		65,659.20	24
7503-030	Install/Level FPA's and Spool Piece supports	23OCT06	30	05DEC06	184		131,318.40	24
7503-060	Install Lower PF 4,5&6 into prelim position	27FEB07	2	28FEB07	144		4,590.56	24
7503-070	Install 3 Spool Pieces on fixt & test movement	06DEC06	10	19DEC06	184		43,772.80	24
7503-080	FPA-1 Installed on support platform		0	01MAR07	138		0.00	24
7503-090	Install local Platforms around FPA-1	02MAR07	10	15MAR07	139		43,772.80	24
7503-110	FPA-2 Installed on support platform		0	22MAR07	123		0.00	24
7503-120	Test movement of FPA-1& -2 & position checks.	23MAR07	5	29MAR07	123		21,886.40	24
7503-130	Install local Platforms around FPA-2	23MAR07	3	27MAR07	131		43,772.80	24
7503-150	FPA-3 Installed on support platform		0	26APR07	103		0.00	24
7503-160	Position all FPA's / Spool Pieces @ MC Interface	27APR07	6	04MAY07	103		26,263.68	24
7503-170	FPA Metrology Checks to Assure Alignment	07MAY07	3	09MAY07	103		3,179.52	24
7503-190	Install local Platforms around FPA-3	10MAY07	10	23MAY07	103		43,772.80	24
7503-180	MC Interfaces: shim, ream holes ,bolt together	24MAY07	15	14JUN07	103		86,102.40	24
7503-200	Mate-up and weld all VV-to-Spool interfaces	15JUN07	15	06JUL07	103		75,315.60	24
7503-240	Bolt on preassembled pump duct	09JUL07	5	13JUL07	103		18,290.80	24
7503-250	Begin Vac Vsl Pumpdown	16JUL07	0		110		0.00	24
7503-260	PTP Pumpdown & leak check VV	16JUL07	10	27JUL07	110		50,210.40	24
7503-210	Fit-up all TF coils	09JUL07	10	20JUL07	103		57,401.60	24
7503-270	Raise lower PF 4,5&6 coils into final position	23JUL07	6	30JUL07	103		26,263.68	24
7503-280	Install Upper PF 4,5 & 6 coils	31JUL07	6	07AUG07	103		26,263.68	24
7503-290	Install PF Solenoid into position (U/L PF1,2,3)	08AUG07	4	13AUG07	103		17,509.12	24
7503-310	Complete LN2 connections **2 SHIFT**	14AUG07	5	20AUG07	108		36,581.60	24
7503-320	Complete Elect Pwr connections **2 SHIFT**	14AUG07	10	27AUG07	103		100,420.80	24



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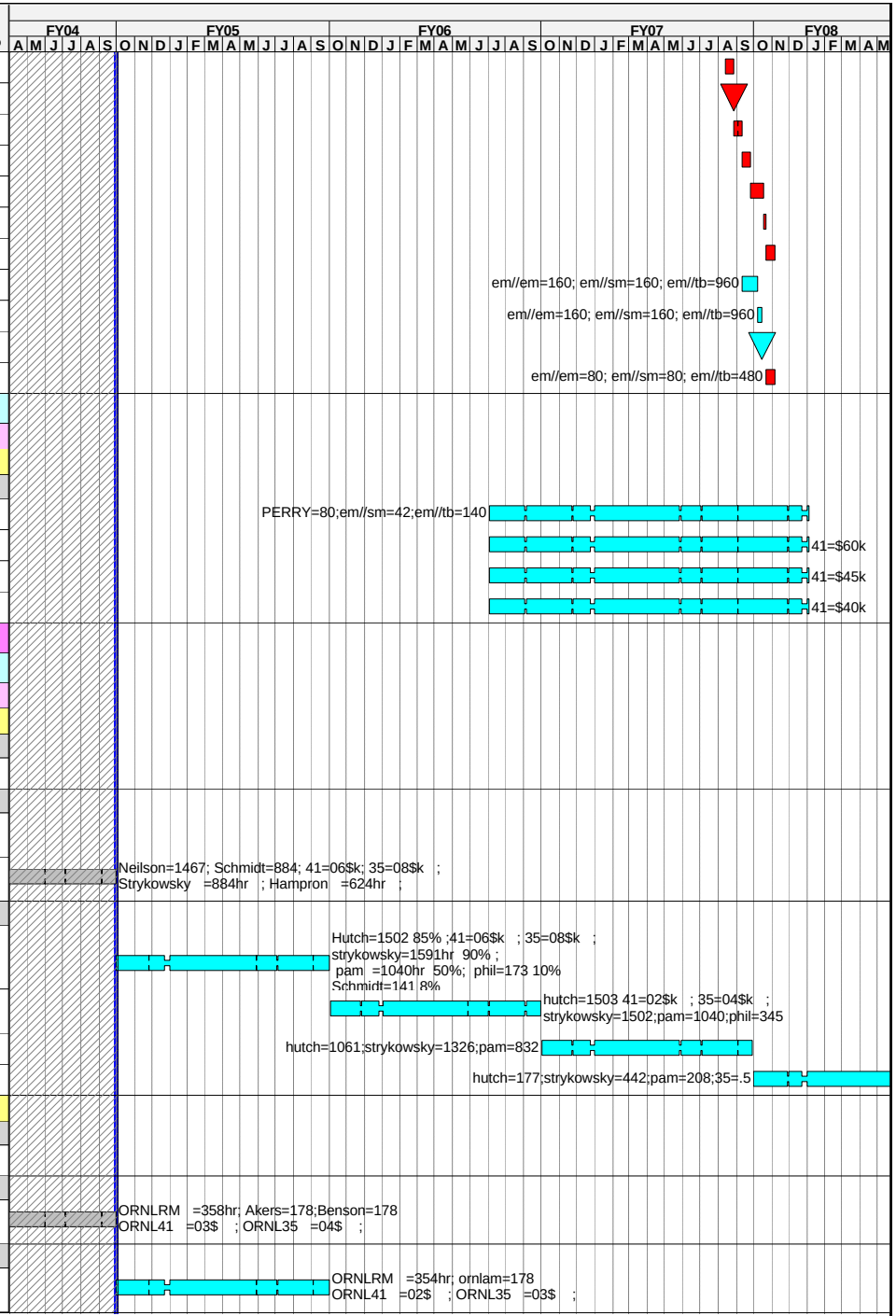
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Budget	contin-gency %
7503-321	Complete mag diag & machine I&C **2 SHIFT**	14AUG07	10	27AUG07	103		45,905.60	24
7503-330	Begin Cryostat Installation	28AUG07	0		103		0.00	24
7503-340	Install Cryostat Base, vapor barrie& port boots	28AUG07	10	11SEP07	103		36,581.60	24
7503-350	Install Cryostat upper section,VB and port boots	12SEP07	10	25SEP07	103		36,581.60	24
7503-360	Install Midplane Cryostat sections and port boot	26SEP07	15	16OCT07	103		56,362.32	24
7503-370	Install Cryostat Circulation Duct	17OCT07	5	23OCT07	103		18,911.60	24
730.8200Z	PTP and Cooldown (dup of 730.8200)	24OCT07	10	06NOV07	103		0.00	30
730.1248	ACC Review	11SEP07	20	08OCT07	109		0.00	30
730.1249	PSO Operational Readiness Assessment	09OCT07	5	15OCT07	109		0.00	30
730.1250	PSO Operational Readiness Assessment		0	15OCT07	109		0.00	24
730.8200	PTP and Cooldown	24OCT07	10	06NOV07	103		66,749.60	30
76 - Tooling Design & Fabrication								
Job: 7601 - Tooling Design & Fabrication								
713.020	Lab Fab/Assy/Installation	05JUL06*	370*	02JAN08	450		31,087.56	24
713.030	Tooling,assy fixtures,misc equipt	05JUL06*	370*	02JAN08	450		79,406.43	24
713.040	General procurements	05JUL06*	370*	02JAN08	450		59,554.82	24
713.050	Welding tools, materials & equipt	05JUL06*	370*	02JAN08	450		52,937.62	24
8 - Project Oversight and Support								
81 - Project Management and Control								
810 - Project Management & Control								
Job: 8101 - Project Management & Control-NEILSON								
0000								
810.001	Apr-Sept MIE Cost PPPL	01APR03A	128*	30SEP03A		100	387,340.00	0
FY04 Actual Cost								
810.009	PDR Support	01OCT03A	3*	31OCT03A		100	41,163.08	17
810.002	Project Management Office PPPL FY04	01OCT03A	256*	30SEP04A		LOE	689,381.22	17
810.003	Project Management Office PPPL FY05	01OCT04*	250*	30SEP05	1,006		687,785.00	17
810.004	Project Management Office PPPL FY06	03OCT05*	248*	29SEP06	758		644,509.94	17
810.005	Project Management OfficePPPL FY07	02OCT06*	249*	28SEP07	509		513,758.61	17
810.900	Project Management Office PPPL FY08	01OCT07*	164	29MAY08	345		126,311.11	17
Job: 8102 - NCSX MIE Management ORNL-LYON								
0000								
810.101	Apr-Sept MIE Cost ORNL	01APR03A	129*	30SEP03A		100	58,600.00	0
FY04 Actual Cost								
810.102	Project Management Office ORNL FY04	01OCT03A	256*	30SEP04A		LOE	120,228.22	17
810.103	Project Management Office ORNL FY05	01OCT04*	250*	30SEP05	1,006		95,660.87	17



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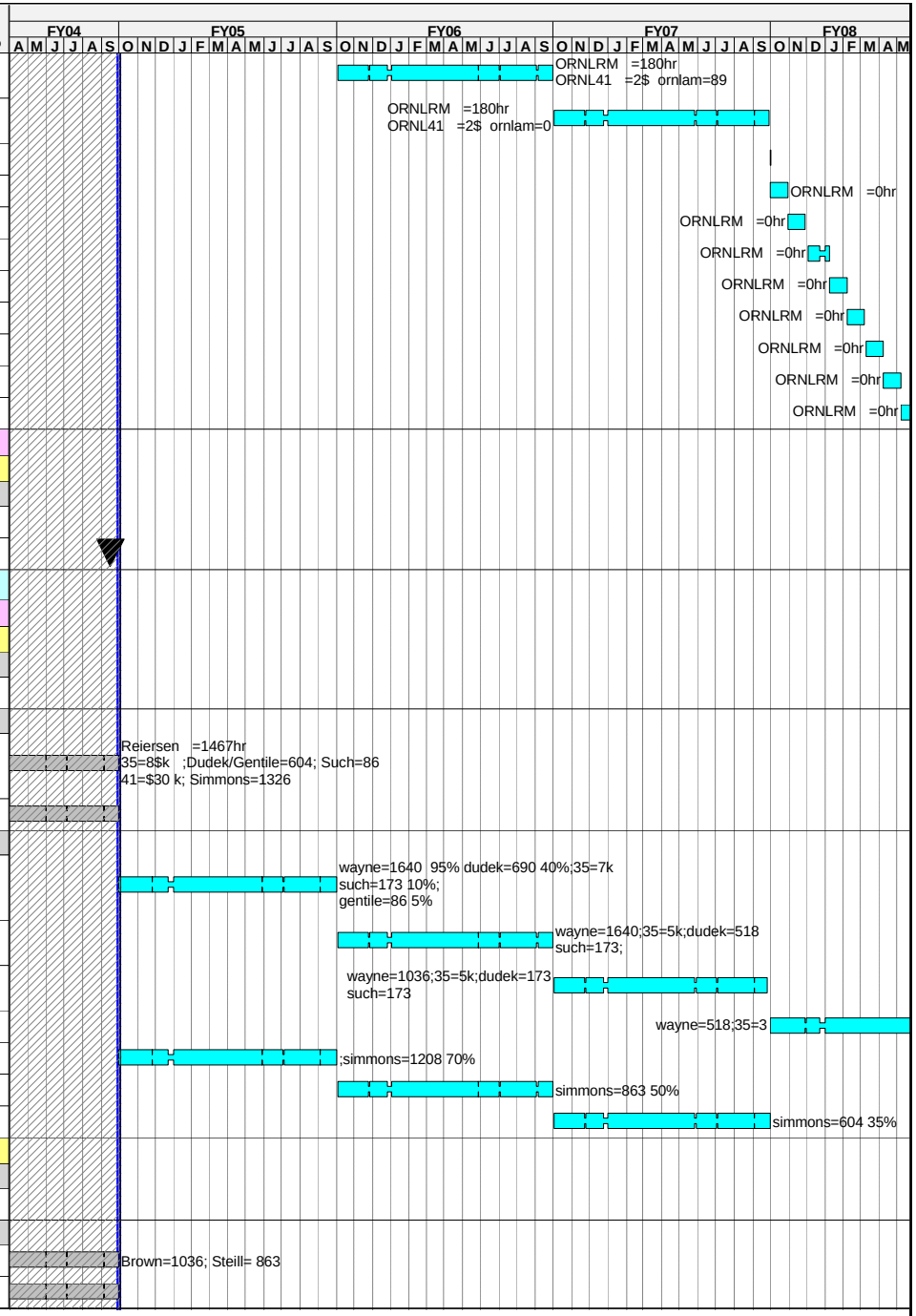
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Budget	contin-gency %
810.104	Project Management Office ORNL FY06	03OCT05*	248*	29SEP06	509		49,323.49	17
810.104X	Project Management Office ORNL FY06	02OCT06	249*	28SEP07	509		36,217.36	17
810.105	Project Management Office ORNL FY07	01OCT07	0*	28SEP07	509		0.00	17
810.901	Project Management Office ORNL 1 mo SO	02OCT07*	21	30OCT07	340		0.00	0
810.980	Project Management Office ORNL 1 mo SO	31OCT07*	21	28NOV07	340		0.00	0
810.981	Project Management Office ORNL 1 mo SO	03DEC07*	21	09JAN08	340		0.00	0
810.982	Project Management Office ORNL 1 mo SO	10JAN08*	21	07FEB08	340		0.00	0
810.983	Project Management Office ORNL 1 mo SO	08FEB08*	21	07MAR08	340		0.00	0
810.984	Project Management Office ORNL 1 mo SO	10MAR08*	21	07APR08	340		0.00	0
810.985	Project Management Office ORNL 1 mo SO	08APR08*	21	06MAY08	340		0.00	0
810.986	Project Management Office ORNL 1 mo SO	07MAY08*	21	05JUN08	340		0.00	0
820 - Project Engineering								
Job: 8101 - Project Management & Control-NEILSON								
FY04 Actual Cost								
M-0110	CD-2		0	03FEB04A			0.00	
M-0115	CD-3		0	16SEP04A			0.00	
82 - Project Engineering								
820 - Project Engineering								
Job: 8202 - Engr Mgmt & Sys Eng Support-REIERSEN								
0000								
820.110	Apr-Sept MIE Cost PPPL	01APR03A	128*	30SEP03A		100	295,530.00	0
FY04 Actual Cost								
820.002	LOE FY04	01OCT03A	256*	30SEP04A		LOE	626,751.30	17
8202-ECP16	ecp16	01OCT03A	256*	30SEP04A		LOE	68,000.00	17
820.003	Proj engr FY05	01OCT04*	250*	30SEP05	1,006		431,767.64	17
820.004	Proj engr FY06	03OCT05*	248*	29SEP06	758		392,793.60	17
820.004Z	Proj engr FY07	02OCT06*	246*	25SEP07	512		241,867.20	17
820.005	Proj engr FY08	01OCT07*	165*	30MAY08	344		101,796.02	17
8205FY05	System Engr Support FY05	01OCT04*	250*	30SEP05	1,006		222,308.24	17
8205FY06	Systems Engineering Support FY06	03OCT05*	248*	29SEP06	758		161,959.21	17
8205FY07	Systems Engineering Support FY07	02OCT06*	250*	01OCT07	508		119,024.24	17
Job: 8203 - Design Integration-BROWN								
0000								
820.150	Apr-Sept MIE Cost PPPL	01APR03A	128*	30SEP03A		100	178,750.00	0
FY04 Actual Cost								
820.200	LOE FY04	01OCT03A	256*	30SEP04A		LOE	257,272.80	17
8203-ECP16	ecp16	01OCT03A	256*	30SEP04A		LOE	125,000.00	17



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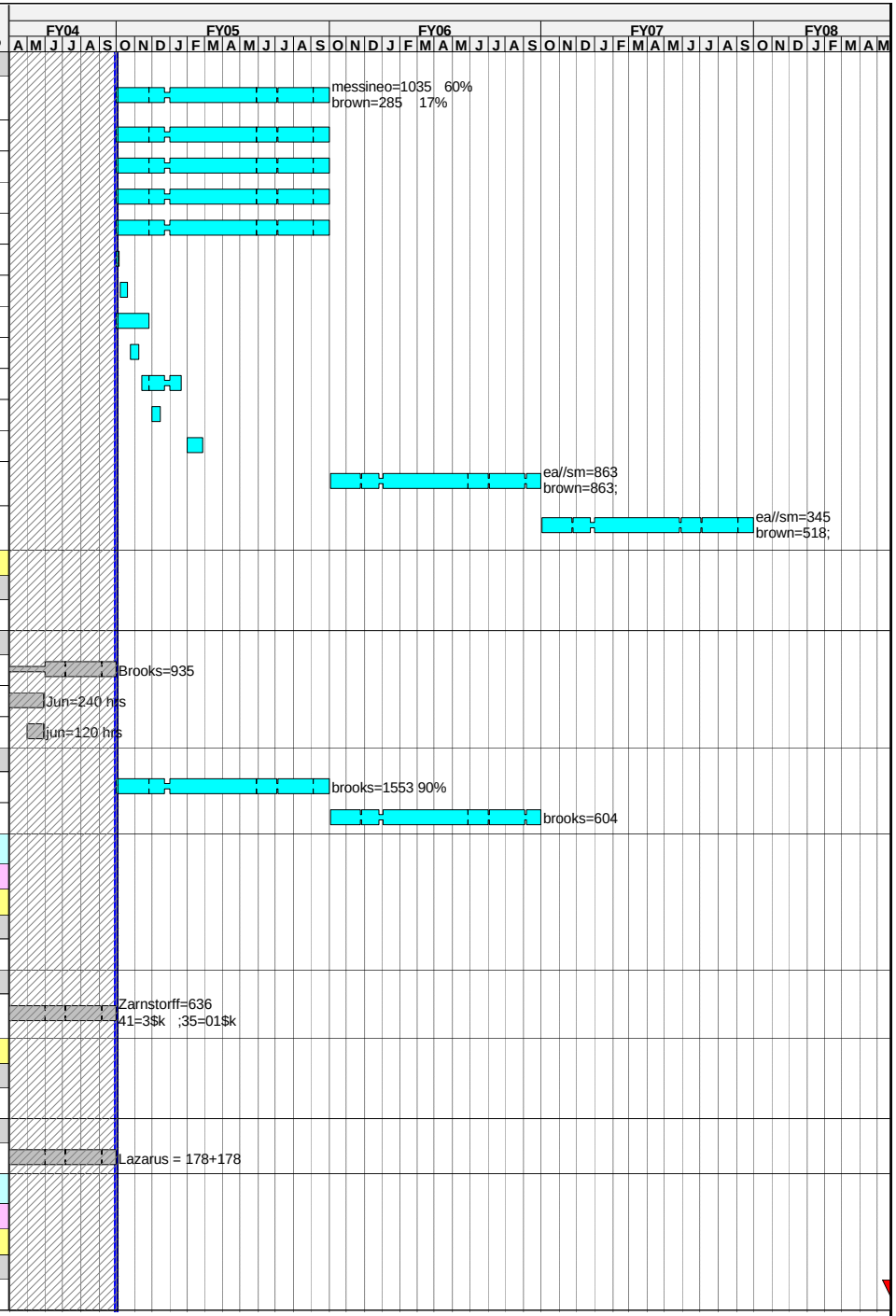
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Budget	contin-gency %
8203FY05	Design Integration FY05 LOE	01OCT04*	250*	30SEP05	1,006		156,161.40	17
8203-01	General Design Integration	01OCT04*	250*	30SEP05	1,006		0.00	17
8203-02	Suprt interface aux sys dev&coolant/lead routing	01OCT04*	250*	30SEP05	1,006		0.00	17
8203-03	Develop /maintain Pro/E model of NCSX facility	01OCT04*	250*	30SEP05	1,006		0.00	17
8203-04	Support metrology efforts	01OCT04*	250*	30SEP05	1,006		0.00	17
8203-06	Complt rvw of machine assembly approach	01OCT04*	4	06OCT04	1,252		0.00	17
8203-07	Rvw cryostat & conventional magnet sys design	08OCT04*	9	20OCT04	1,242		0.00	17
8203-08	tollerance reqmnts for MCsuprt install fixt dwgs	01OCT04*	39	24NOV04	1,217		0.00	17
8203-09	Machine suprt dsn f/compatibility with assy reqt	25OCT04*	12	09NOV04	1,228		0.00	17
8203-10	Dynamic simul MC half period install fixt w/ Pro	15NOV04*	42	21JAN05	1,183		0.00	17
8203-11	Document NCSX Interlink& dwg control process	01DEC04*	11	15DEC04	1,204		0.00	17
8203-12	Update definition VV spool piece assy simul	01FEB05*	19	25FEB05	1,158		0.00	17
8203FY06	Design Integration FY06	03OCT05*	248*	29SEP06	758		239,862.22	17
8203FY07	Design Integration FY07	02OCT06*	250*	01OCT07	508		131,804.66	17
Job: 8204 - Systems Analysis-BROOKS								
0000								
820.173	Apr-Sept MIE Cost PPPL	01APR03A	128*	30SEP03A		100	44,620.00	0
FY04 Actual Cost								
820.174	LOE FY04	01OCT03A	172*	30SEP04A		LOE	150,254.50	17
8204.01	Assess magnetic material in test cell	02FEB04A	85*	28MAY04A		100	38,568.00	32
8204.02	Model effects local high MU regions on MCWF	01MAY04A	29	28MAY04A		100	19,284.00	32
8204FY05	Systems Analysis FY05	01OCT04*	250*	30SEP05	1,006		260,733.17	17
8204FY06	Systems Analysis FY06	03OCT05*	248*	29SEP06	758		103,416.88	17
84 - Project Physics								
840 - Project Physics								
Job: 8401 - Project Physcis-ZARNSTORFF								
0000								
840.201	Apr-Sept MIE Cost PPPL	01APR03A	128*	30SEP03A		100	210,270.00	0
FY04 Actual Cost								
840.202	Project Physics/Engr Analysis FY04	01OCT03A	256*	30SEP04A		LOE	99,806.20	3
Job: 8402 - Project Physics MIE ORNL-LYON								
0000								
840.301	Apr-Sept MIE Cost ORNL	01APR03A	152*	30SEP03A		100	40,980.00	0
FY04 Actual Cost								
840.302	Project Physics/Engr Analysis FY04	01OCT03A	256*	30SEP04A		LOE	61,110.96	3
85 - Integrated Systems Testing								
820 - Project Engineering								
M-0120	CD-4		0	30MAY08*	0		0.00	



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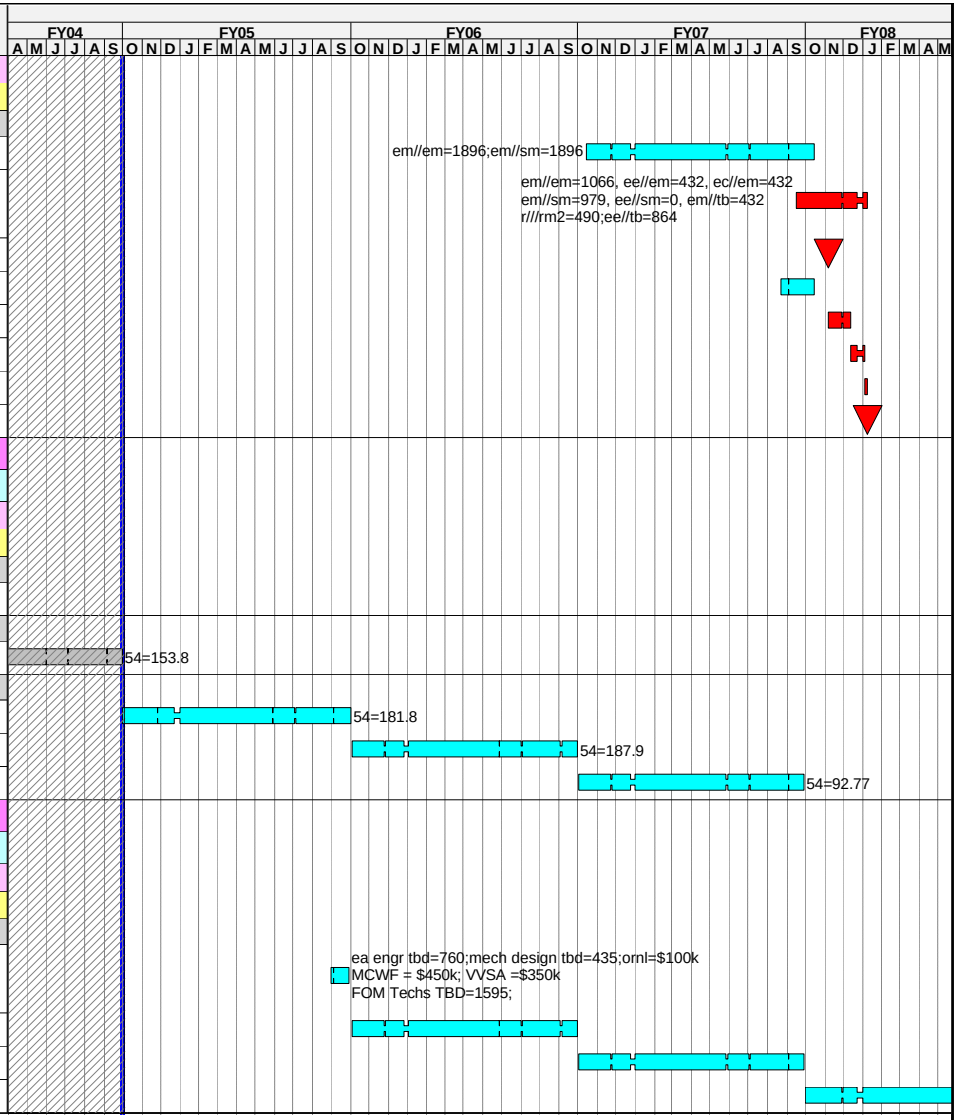
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Budget	contin-gency %
920.001	Procedure and Document Preparation	16OCT06*	250	15OCT07	109		561,846.69	20
920.000	Startup Personnel	17SEP07	72	07JAN08	103		658,829.59	30
920.004	Begin Start-up Testing	07NOV07	0		103		0.00	30
920.005	Punch list,Cmplt PTP's,Reconfig, Rm temp Hi-pot	23AUG07	37	15OCT07	119		0.00	30
920.010	Field Coil Testsing,FCPC test & E-Beam Mapping	07NOV07	25	13DEC07	103		0.00	30
920.020	Final ISTP	14DEC07	7	02JAN08	103		0.00	30
920.021	Operations Approval	03JAN08	3	07JAN08	103		0.00	30
730.9000	First Plasma		0	07JAN08	103		0.00	24
Allocations								
PPPL Allocations								
PPPL Allocations								
Job: 8998 - Allocations								
0000								
99.03	Apr-Sept MIE Cost PPPL	01APR03A	128*	30SEP03A		100	60,670.00	0
FY04 Actual Cost								
99.04	PPPL Allocations FY04	01OCT03A	256*	30SEP04A		LOE	265,920.20	10
99.05	PPPL Allocations FY05	01OCT04*	250*	30SEP05	1,006		314,332.20	10
99.06	PPPL Allocations FY06	03OCT05*	248*	29SEP06	758		320,745.30	10
99.07	PPPL Allocations FY07	02OCT06*	249*	28SEP07	509		166,893.23	10
Contingency								
Contingency								
Contingency								
Contingency-Project								
99.105	Contingency	01SEP05*	20*	29SEP05	1,007		1,200,001.40	0
99.106	Contingency	03OCT05*	248*	29SEP06	758		2,917,148.73	0
99.107	Contingency	02OCT06*	249*	28SEP07	509		5,431,133.02	0
99.108	Contingency	01OCT07*	165*	30MAY08	344		3,504,602.56	0



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