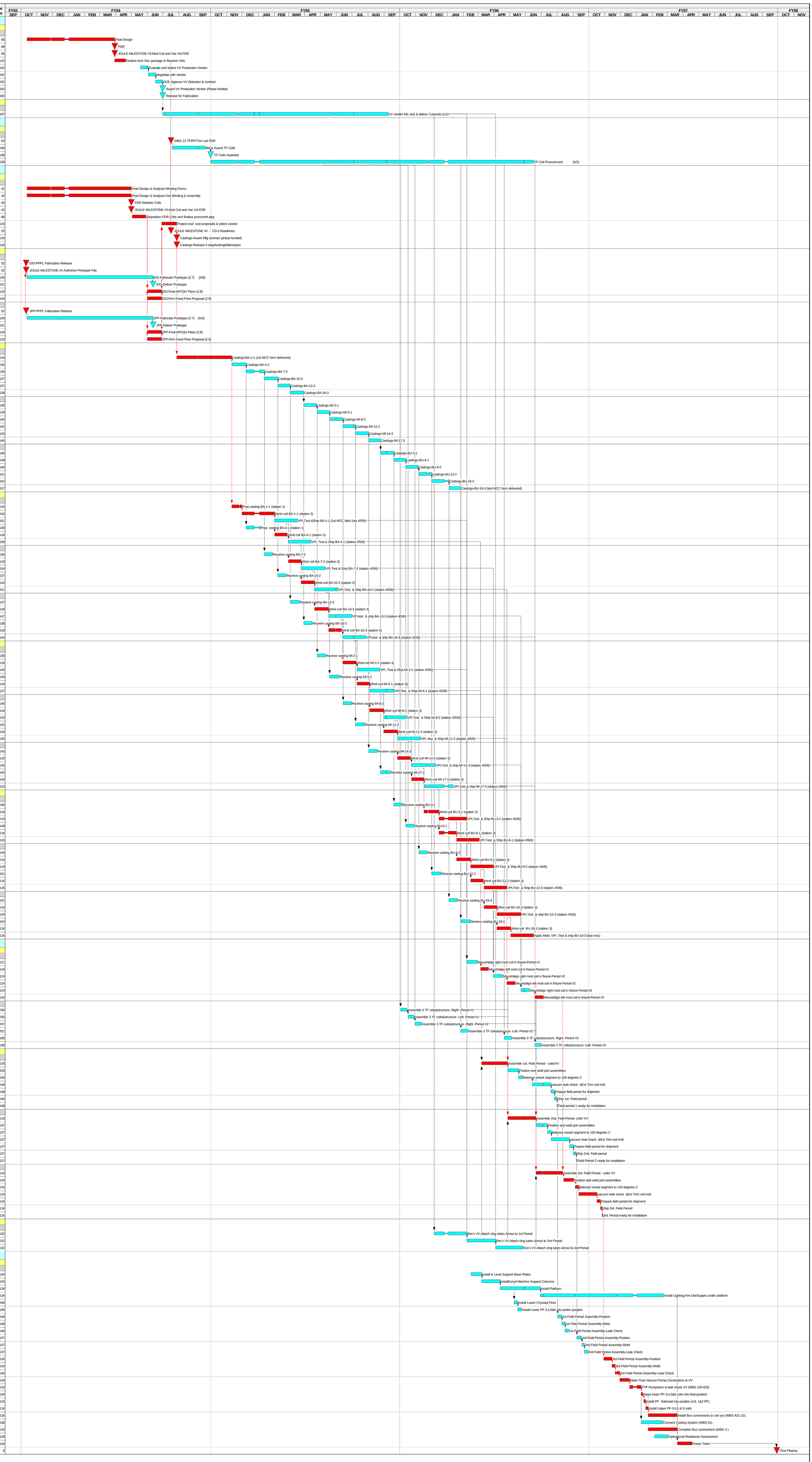
Activity ID	Activity Description	Baseline Start	Work Days	Baselinet Finish	Total Float
12 - Vacuum Vessel Systems					
Job: 1203 - Vacuum Vessel Final Dsn-GORANSON					
121-001	Final Design	13OCT03*	112	29MAR04	66
121-6-5	FDR		0	29MAR04	66
121-6-5J	JOULE MILESTONE #3-Mod Coil and Vac Vsl FDR		0	29MAR04	66
121-6-6	Finalize tech Doc package & Resolve chits	30MAR04	15	19APR04	115
121-6-8	Evaluate and Select VV Production Vendor	19MAY04	10	02JUN04	192
121-6-83	Negotiate with vendor	03JUN04	10	16JUN04	192
121-6-85	DOE Approve VV Selection & contract	17JUN04	10	30JUN04	192
121-6-9	Award VV Production Vendor (Phase funded)		0	30JUN04	192
121-36-9.2	Release for Fabrication		0	30JUN04	192
Job: 1250 - Vacuum Vessel Fabrication					
121-038	VV vendor fab, test & deliver 3 periods (c/1)	01JUL04	303	08SEP05	197
13 - Conventional Coils					
131-012	WBS 13 TF/PF/Trim coil FDR		0	16JUL04	53
131-034	Bid & Award TF Coils	19JUL04	45	20SEP04	146
131-035	TF Coils Awarded	01OCT04*	0		138
131-037	TF Coil Procurement [A/1]	01OCT04	425	16JUN06	138
14 - Modular Coils					
Job: 1403 - Mod. Coil Final Design-WILLIAMSON					
141TITLE2	Final Design & Analysis-Winding Forms	13OCT03*	136*	30APR04	42
142TITLE2	Final Design & Analysis-Coil Winding & Assembly	13OCT03*	136*	30APR04	42
140-6-3.1	FDR Modular Coils		0	30APR04	42
140-6-3.J	JOULE MILESTONE #3-Mod Coil and Vac Vsl FDR		0	30APR04	42
140-6-4	Disposition FDR Chits and finalize procurmnt pkg	03MAY04	20	28MAY04	86
C-071	Project eval cost proposals & select vendor	29JUN04	20	27JUL04	116
C-081.1	JOULE MILESTONE #4 - CD-3 Readiness		0	16JUL04	53
C-081	Castings-Award Mfg contract (phase funded)	28JUL04*	0		116
C-082	Castings-Release f/ engr/tooling&fabrication	28JUL04	0		116
Job:1404-Mod Coil Winding Form R&D-HEITZENROEDER					
EIO Subcontract (S04341F)					
1404-109	EIO-PPPL Fabrication Release		0	10OCT03*	52
1404-109.J	JOULE MILESTONE #1-Authorize Prototype Fab		0	10OCT03	52
1404-110	EIO-Fabricate Prototype (2.7) [A/6]	13OCT03	175	11JUN04	126
1404-111	EIO-Deliver Prototype		0	11JUN04	131
1404-115	EIO-Final MIT/QA Plans (2.8)	01JUN04	20	28JUN04	116
1404-125	EIO-Firm Fixed Price Proposal (2.9)	01JUN04	20	28JUN04	116
JP Pattern Subcontract (S04340F)					
1404-209	JPP-PPPL Fabrication Release		0	10OCT03*	52
1404-210	JPP-Fabricate Prototype (2.7) [A/3]	13OCT03	175	11JUN04	126
1404-211	JPP-Deliver Prototype		0	11JUN04	131
1404-215	JPP-Final MIT/QA Plans (2.8)	01JUN04	20	28JUN04	116
1404-225	JPP-Firm Fixed Price Proposal (2.9)	01JUN04	20	28JUN04	116
Job: 1411 - Modular Coil Casting Fabrication					
Type 1 Castings					
C-121	Castings-BA-1-1 (1st MCC form delivered)	28JUL04	75	10NOV04	116
C-181	Castings-BA-4-1	11NOV04	18	08DEC04	136
C-261	Castings-BA-7-2	09DEC04	18	12JAN05	136
C-321	Castings-BA-10-2	13JAN05	18	07FEB05	137
C-401	Castings-BA-13-3	08FEB05	18	03MAR05	137
C-461	Castings-BA-16-3	04MAR05	18	29MAR05	138
Type 2 Castings					
C-141	Castings-MI-2-1	30MAR05	18	22APR05	138
C-201	Castings-MI-5-1	25APR05	18	18MAY05	139
C-281	Castings-MI-8-2	19MAY05	17	13JUN05	140
C-341	Castings-MI-11-2	14JUN05	17	07JUL05	142
C-421	Castings-MI-14-3	08JUL05	17	01AUG05	143
C-481	Castings-MI-17-3	02AUG05	17	24AUG05	145
Type 3 Castings					
C-161B	Castings-BU-3-1	25AUG05	17	19SEP05	146
C-221B	Castings-BU-6-1	20SEP05	17	12OCT05	148
C-301B	Castings-BU-9-2	13OCT05	17	04NOV05	149
C-361B	Castings-BU-12-2	07NOV05	17	01DEC05	151
C-441B	Castings-BU-15-3	02DEC05	17	03JAN06	152
C-501B	Castings-BU-18-3 (last MCC form delivered)	04JAN06	17	26JAN06	157
Job: 1421 - Type 1 Winding/VPI					
Period 1					
P1-001	Prep casting BA-1-1 (station 1)	11NOV04	12	30NOV04	116
P1-011	Wind coil BA-1-1 (station 3)	01DEC04*	38	01FEB05	116
P1-021	VPI,Test &Ship BA-1-1 (1st MCC fabr) (sta 4/5/6)	02FEB05	32	17MAR05	161
P1-091	Prep casting BA-4-1 (station 1)	09DEC04	12	04JAN05	136
P1-101	Wind coil BA-4-1 (station 3)	02FEB05*	18	25FEB05	116
P1-111	VPI, Test & Ship BA-4-1 (station 4/5/6)	28FEB05	32	12APR05	158
Period 2					
P2-001	Receive casting BA-7-2	13JAN05	12	28JAN05	136
P2-011	Wind coil BA-7-2 (station 3)	28FEB05	19	24MAR05	116
P2-021	VPI,Test & Ship BA-7-2 (station 4/5/6)	25MAR05	32	09MAY05	154
P2-091	Receive casting BA-10-2	08FEB05	12	23FEB05	137
P2-101	Wind coil BA-10-2 (station 3)	25MAR05	18	19APR05	116
P2-111	VPI,Test & Ship BA-10-2 (station 4/5/6)	20APR05	32	03JUN05	151
Period 3					
P3-001	Receive casting BA-13-3	04MAR05	12	21MAR05	137
P3-011	Wind coil BA-13-3 (station 3)	20APR05	19	16MAY05	116
P3-021	VPI,test & ship BA-13-3 (station 4/5/6)	17MAY05	32	30JUN05	147
P3-091	Receive casting BA-16-3	30MAR05	12	14APR05	138
P3-101	Wind coil BA-16-3 (station 3)	17MAY05	18	10JUN05	116
P3-111	VPI,test & ship BA-16-3 (station 4/5/6)	13JUN05	32	27JUL05	144
Job: 1422 - Type 2 Winding/VPI					
Period 1					
P1-031	Receive casting MI-2-1	25APR05	12	10MAY05	138
P1-041	Wind coil MI-2-1 (station 3)	13JUN05	19	08JUL05	116
P1-051	VPI, Test & Ship MI-2-1 (station 4/5/6)	11JUL05	32	23AUG05	140
P1-121	Receive casting MI-5-1	19MAY05	12	06JUN05	139
P1-131	Wind coil MI-5-1 (station 3)	11JUL05	18	03AUG05	116
P1-141	VPI,Test & Ship MI-5-1 (station 4/5/6)	04AUG05	32	19SEP05	137
Period 2					
P2-031	Receive casting MI-8-2	14JUN05	12	29JUN05	140
P2-041	Wind coil MI-8-2 (station 3)	04AUG05	19	30AUG05	116
P2-051	VPI,Test & Ship MI-8-2 (station 4/5/6)	31AUG05	32	14OCT05	133
P2-121	Receive casting MI-11-2	08JUL05	12	25JUL05	142
P2-131	Wind coil MI-11-2 (station 3)	31AUG05	18	26SEP05	116
P2-141	VPI, test & Ship MI-11-2 (station 4/5/6)	27SEP05	32	09NOV05	130
Period 3					
P3-031	Receive casting MI-14-3	02AUG05	12	17AUG05	143
P3-041	Wind coil MI-14-3 (station 3)	27SEP05	19	21OCT05	116
P3-051	VPI,Test & ship MI-14-3 (station 4/5/6)	24OCT05	32	08DEC05	126
P3-121	Receive casting MI-17-3	25AUG05	12	12SEP05	145
P3-131	Wind coil MI-17-3 (station 3)	24OCT05	18	16NOV05	116
P3-141	VPI,Test & ship MI-17-3 (station 4/5/6)	17NOV05	32	11JAN06	123
Job: 1423 - Type 3 Winding/VPI					
Period 1					
P1-061	Receive casting BU-3-1	20SEP05	12	05OCT05	146
P1-071	Wind coil BU-3-1 (station 3)	17NOV05	19	15DEC05	116
P1-081	VPI,Test & Ship BU-3-1 (station 4/5/6)	16DEC05	32	07FEB06	119
P1-151	Receive casting BU-6-1	13OCT05	12	28OCT05	148
P1-161	Wind coil BU-6-1 (station 3)	16DEC05	18	18JAN06	116
P1-171	VPI,Test & Ship BU-6-1 (station 4/5/6)	19JAN06	32	03MAR06	116
Period 2					
P2-061	Receive casting BU-9-2	07NOV05	12	22NOV05	149
P2-071	Wind coil BU-9-2 (station 3)	19JAN06	19	14FEB06	116
P2-081	VPI,Test & Ship BU-9-2 (station 4/5/6)	15FEB06	32	30MAR06	119
P2-151	Receive casting BU-12-2	02DEC05	12	19DEC05	151
P2-161	Wind coil BU-12-2 (station 3)	15FEB06	18	10MAR06	116
P2-171	VPI,Test & Ship BU-12-2 (station 4/5/6)	13MAR06	32	25APR06	116
Period 3					
P3-061	Receive casting BU-15-3	04JAN06	12	19JAN06	152
P3-071	Wind coil BU-15-3 (station 3)	13MAR06	19	06APR06	116
P3-081	VPI,Test & ship BU-15-3 (station 4/5/6)	07APR06	32	22MAY06	119
P3-151	Receive casting BU-18-3	27JAN06	12	13FEB06	154
P3-161	Wind coil BU-18-3 (station 3)	07APR06	18	02MAY06	116
P3-171	Apply Mold, VPI ,Test & ship BU-18-3 (last mcc)	03MAY06	32	16JUN06	116
18 - Field Period Assembly					
1808 - TF/Mod Coil Sub-Assembly					
Modular Coil Sub-assembly					
184-200	Mount/align right mod coil in fixture-Period #1	08FEB06	15	28FEB06	121
184-205	Mount/align left mod coil in fixture-Period #1	06MAR06	12	21MAR06	116
184-210	Mount/align right mod coil in fixture-Period #2	31MAR06	12	17APR06	124
184-215	Mount/align left mod coil in fixture-Period #2	26APR06	12	11MAY06	116
184-220	Mount/align right mod coil in fixture-Period #3	23MAY06	12	08JUN06	124
184-225	Mount/align left mod coil in fixture-Period #3	19JUN06	12	05JUL06	116
TF Coil Sub-assembly					
184-100	Assemble 3 TF coils&structure -Right -Period #1	03OCT05	10	14OCT05	230
184-105	Assemble 3 TF coils&structure -Left -Period #1	17OCT05	10	28OCT05	230
184-110	Assemble 3 TF coils&structure -Right -Period #2	31OCT05	10	11NOV05	247
184-115	Assemble 3 TF coils&structure -Left -Period #2	27JAN06	10	09FEB06	201
184-120	Assemble 3 TF coils&structure -Right -Period #3	21APR06	10	04MAY06	168
184-125	Assemble 3 TF coils&structure -Left -Period #3	19JUN06	10	30JUN06	138
Job:1810 - Field Period Assembly					
Period 1					
P1-181	Assemble 1st. Field Period - coils/VV	08MAR06	37	27APR06	116
P1-191	Position and weld port assemblies	28APR06	15	18MAY06	159
P1-201	Bakeout vessel segment to 150 degrees C	19MAY06	6	26MAY06	159
P1-211	vacuum leak check &Ext Trim coil instl	14JUN06	25	19JUL06	148
P1-221	Prepare field period for shipment	20JUL06	5	26JUL06	148
P1-231	Ship 1st. Field period	27JUL06	3	31JUL06	148
P1-241	Field period 1 ready for installation	01AUG06	1	01AUG06	148
Period 2					
P2-181	Assemble 2nd. Field Period- coils/ VV	28APR06	37	20JUN06	116
P2-191	Position and weld port assemblies	21JUN06	15	12JUL06	137
P2-201	Bakeout vessel segment to 150 degrees C	13JUL06	6	20JUL06	137
P2-211	vacuum leak check &Ext Trim coil instl	21JUL06	25	24AUG06	137
P2-221	Prepare field period for shipment	25AUG06	5	31AUG06	137
P2-231	Ship 2nd. Field period	01SEP06	3	06SEP06	137
P2-241	Field Period 2 ready for installation	07SEP06	1	07SEP06	137
Period 3					
P3-181	Assemble 3rd. Field Period - coils/ VV	21JUN06	37	11AUG06	116
P3-191	Position and weld port assemblies	14AUG06	15	01SEP06	116
P3-201	Bakeout vessel segment to 150 degrees C	05SEP06	5	11SEP06	116
P3-211	vacuum leak check &Ext Trim coil instl	12SEP06	25	16OCT06	116
P3-221	Prepare field period for shipment	17OCT06	5	23OCT06	116
P3-231	Ship 3rd. Field Period	24OCT06	3	26OCT06	116
P3-241	3rd. Period ready for installation	27OCT06	1	27OCT06	116
P1-180	Rec'v VV,Attach clng tubes &Insul to 1st Period	07DEC05	39	07FEB06	132
P2-180	Rec'v VV,Attach clng tubes &Insul to 2nd Period	08FEB06	39	03APR06	132
P3-180	Rec'v VV,Attach clng tubes &Insul to 3rd Period	04APR06	39	26MAY06	132
75 - Test Cell and Basement Assembly Operations					
7503 - Machine Assembly					
730.1020	Install & Level Support Base Plates	16FEB06	15	08MAR06	134
730.1030	Install/Level Machine Support Columns	09MAR06	25	12APR06	134
730.1040	Install Platform	13APR06	55	29JUN06	134
730.1050	Install Lighting,Fire Det/Supprs under platform	30JUN06	160	22FEB07	134
730.1060	Install Lower Cryostat Floor	10MAY06	5	16MAY06	196
730.1070	Install Lower PF 3,4,5&6 into prelim position	17MAY06	5	23MAY06	196
730.1081	1st Field Period Assembly-Position	02AUG06	6	09AUG06	148
730.1082	1st Field Period Assembly-Weld	10AUG06	4	15AUG06	148
730.1083	1st Field Period Assembly-Leak Check	16AUG06	5	22AUG06	148
730.1091	2nd Field Period Assembly-Position	08SEP06	6	15SEP06	137
730.1092	2nd Field Period Assembly-Weld	18SEP06	4	21SEP06	137
730.1093	2nd Field Period Assembly-Leak Check	22SEP06	5	28SEP06	137
730.1101	3rd Field Period Assembly-Position	30OCT06	12	14NOV06	116
730.1102	3rd Field Period Assembly-Weld	15NOV06	4	20NOV06	116
730.1103	3rd Field Period Assembly-Leak Check	21NOV06	5	29NOV06	116
730.1130	Make Final Vacuum Pump Connections to VV	30NOV06	13	18DEC06	116
730.1140	PTP Pumpdown & leak check VV (WBS 220-025)	19DEC06	10	09JAN07	116
730.1150	Raise lower PF-3,4,5&6 coils into final position	10JAN07	3	12JAN07	116
730.1170	Install PF Solenoid into position (U/L 1&2 PF)	15JAN07	4	18JAN07	116
730.1175	Install Upper PF-3,4,5 & 6 coils	19JAN07	3	23JAN07	116
730.1180	Install Bus connections to coil sys (WBS 431-131	24JAN07	40	20MAR07	116
730.1210	Connect Cooling System (WBS 61)	10JAN07	30	20FEB07	136
730.1230	Complete Bus connections (WBS 4)	24JAN07	40	20MAR07	116
730.1249	Operational Readiness Assessment	05FEB07	20	02MAR07	128
730.1250	Power Tests	21MAR07	20	17APR07	116
730.9000	First Plasma		0	28SEP07*	0



Run Date 18SEP03 13:12

5/1/03 Status (forecast)
Progress Bar
Critical Activity

PDRB

NCSX
CRITICAL PATHS

Sheet 1 of 1

© Primavera Systems, Inc.