Activity ID	Activity Description	Baseline Start	Work Days	Baselinet Finish	Total Float
12 - Vacuum Vessel Systems					
Job: 1202 - Vacuum Vessel R&D - VIOLA					
Major Tool Subcontract (S04344F)					
1202-335	MT-Firm Fixed Price Proposal for VVSA (3.3.2)	27MAY04	19	23JUN04	197
Rohwedder Subcontract (S04345F)					
1202-435	RW-Firm Fixed Price Proposal for VVSA (3.3.2)	27MAY04	19	23JUN04	197
Job: 1203 - Vacuum Vessel Final Dsn-GORANSON					
Final Design Tasks					
1203-341	Conduct VVSA FDR		0	19MAY04	93
Vacuum Vessel Vendor Selection					
121-6-6	Finalize tech Doc package & Resolve chits	06MAY04	15	26MAY04	193
121-6-8	Evaluate and Select VV Production Vendor	24JUN04	16	16JUL04	193
121-6-83	Negotiate with vendor	19JUL04	9	29JUL04	193
121-6-85	DOE Approve VV Selection & contract	30JUL04	11	13AUG04	193
121-6-9	Award VV Production Vendor (Phase funded)		0	13AUG04	193
121-36-9.2	Release for Fabrication		0	20AUG04	193
Job:1204 - WBS 12 Title III, Procure,Fabricate					
121-038	FAB VVSA ba=.6/2.27/0 BO=.4/2.17/.3	23AUG04	303	28OCT05	198
13 - Conventional Coils					
Job: 1303 - WBS 13 Final Design -KALISH					
131-012	WBS 13 TF FDR		0	30SEP04	139
141-012	WBS 13 PF/CS SPRT FDR		0	30SEP05	187
Job: 1304 - WBS 13 Procure/Fab/Title III-KALISH					
TF Coils					
131-034	Bid & Award TF Coils	20OCT04*	45	23DEC04	126
131-035	TF Coils Awarded	17JAN05*	0		117
131-037	TF Coil Procurement [A/1]	17JAN05	425	15SEP06	117
131-038	All TF Coils Delivered		0	15SEP06	117
PF Coils					
141-035	Bid & Award PF Coils	30JAN06	45	31MAR06	154
141-036	PF Coils Awarded	03APR06*	0		154
143-037	PF 4 Procurement [A/1]	03APR06	155	08NOV06	158
144-037	PF 5 Procurement [A/1]	03APR06	155	08NOV06	158
145-037	PF 6 Procurement [A/1]	03APR06	155	08NOV06	158
141-037	PF OH Solenoid Procurement PF1 [A/1]	01MAY06*	205	26FEB07	134
141B-037	PF OH Solenoid Procurement PF2 [A/1]	01MAY06*	205	26FEB07	134
142-037	PF OH Solenoid Procurement PF3 [A/1]	01MAY06*	205	26FEB07	134
CS Support Structure					
163-035	Bid & Award CS Support Struct	21DEC05	45	01MAR06	132
163-036.9	Award CS Support Structure		0	01MAR06*	132
163-037	CS Support Structure Procurement/Fab	02MAR06*	249	28FEB07	132
14 - Modular Coils					
Job: 1403 - WBS 14 Final Design-WILLIAMSON					
Winding Form FDR Prep					
1403-51	Final Design Review		0	19MAY04*	93
Post FDR Update & Planning					
1403-53	Resolve FDR comments and recommendations	20MAY04	15	10JUN04	117
1403-54	Final bid package(specs,models,dwgs)	24MAY04	13	10JUN04	117
C-071	Project eval cost proposals & select vendor	02JUL04	40	27AUG04	117
C-081	Castings-Award Mfg contract (phase funded)	30AUG04*	0		117
Job:1404-Mod Coil Winding Form R&D-HEITZENROEDER					
EIO Subcontract (S04341F)					
1404-80	Fixed price proposal	20MAY04	30	01JUL04	117
JP Pattern Subcontract (S04340F)					
1404-94	Fixed price proposal	20MAY04	30	01JUL04	117
Job: 1411 - Modular Coil Casting Fabrication					
Type 1 Castings					
C-121	Castings-C-1-1 (1st MCC form delivered)	30AUG04	75	15DEC04	117
C-181	Castings-C-4-1	20DEC04	18	21JAN05	117
C-261	Castings-C-7-2	26JAN05	18	18FEB05	117
C-321	Castings-C-10-2	23FEB05	18	18MAR05	117
C-401	Castings-C-13-3	23MAR05	18	15APR05	117
C-461	Castings-C-16-3	20APR05	18	13MAY05	117
Type 2 Castings					
C-141	Castings-A-2-1	18MAY05	18	13JUN05	117
C-201	Castings-A-5-1	14JUN05	18	08JUL05	117
C-281	Castings-A-8-2	13JUL05	17	04AUG05	117
C-341	Castings-A-11-2	09AUG05	17	31AUG05	117
C-421	Castings-A-14-3	06SEP05	17	28SEP05	117
C-481	Castings-A-17-3	03OCT05	17	25OCT05	117
Type 3 Castings					
C-161B	Castings-B-3-1	28OCT05	17	21NOV05	117
C-221B	Castings-B-6-1	28NOV05	17	20DEC05	117
C-301B	Castings-B-9-2	23DEC05	17	24JAN06	117
C-361B	Castings-B-12-2	25JAN06	17	16FEB06	117
C-441B	Castings-B-15-3	21FEB06	17	15MAR06	117
C-501B	Castings-B-18-3 (last MCC form delivered)	20MAR06	17	11APR06	117
Job: 1421 - Type C Winding/VPI					
Period 1					
P1-001	Prep casting C-1-1 (station 1)	04JAN05	12	19JAN05	122
P1-011	Wind coil C-1-1 (station 2)	20JAN05*	38	14MAR05	122
P1-021	VPI,Test &Ship C-1-1 (1st MCC fabr) (sta 4/5/6)	15MAR05	34	29APR05	167
P1-091	Prep casting C-4-1 (station 1)	24JAN05	12	08FEB05	127
P1-101	Wind coil C-4-1 (station 3)	16FEB05*	37	07APR05	122
P1-111	VPI, Test & Ship C-4-1 (station 4/5/6)	08APR05	34	25MAY05	164
Period 2					
P2-001	Receive casting C7-2	21FEB05	12	08MAR05	129
P2-011	Wind coil BA-7-2 (station 2)	15MAR05	37	04MAY05	125
P2-091	Receive casting C-10-2	21MAR05	12	05APR05	124
P2-101	Wind coil C-10-2 (station 3)	08APR05	37	31MAY05	122
Period 3					
P3-001	Receive casting C-13-3	18APR05	12	03MAY05	126
P3-011	Wind coil C-13-3 (station 2)	05MAY05	37	27JUN05	125
P3-091	Receive casting C-16-3	16MAY05	12	01JUN05	121
P3-101	Wind coil C-16-3 (station 3)	02JUN05	37	25JUL05	121
Job: 1422 - Type A Winding/VPI					
Period 1					
P1-031	Receive casting A-2-1	14JUN05	12	29JUN05	123
P1-041	Wind coil A-2-1 (station 2)	30JUN05	37	22AUG05	123
P1-051	VPI, Test & Ship A-2-1 (station 4/5/6)	23AUG05	34	10OCT05	144
P1-121	Receive casting A-5-1	11JUL05	12	26JUL05	120
P1-131	Wind coil A-5-1 (station 3)	27JUL05	37	16SEP05	120
P1-141	VPI,Test & Ship A-5-1 (station 4/5/6)	19SEP05	34	03NOV05	141
Period 2					
P2-031	Receive casting A-8-2	05AUG05	12	22AUG05	123
P2-041	Wind coil A-8-2 (station 2)	23AUG05	37	13OCT05	123
P2-121	Receive casting A-11-2	01SEP05	12	19SEP05	119
P2-131	Wind coil A-11-2 (station 3)	20SEP05	37	09NOV05	119
Period 3					
P3-031	Receive casting A-14-3	29SEP05	12	14OCT05	122
P3-041	Wind coil A-14-3 (station 2)	17OCT05	37	08DEC05	122
P3-051	VPI,Test & ship A-14-3 (station 4/5/6)	09DEC05	34	02FEB06	129
P3-121	Receive casting A-17-3	26OCT05	12	10NOV05	118
P3-131	Wind coil A-17-3 (station 3)	11NOV05	37	12JAN06	118
P3-141	VPI,Test & ship A-17-3 (station 4/5/6)	13JAN06	34	01MAR06	125
Job: 1423 - Type B Winding/VPI					
Period 1					
P1-061	Receive casting B-3-1	22NOV05	12	09DEC05	121
P1-071	Wind coil B-3-1 (station 2)	12DEC05	37	08FEB06	121
P1-081	VPI,Test & Ship B-3-1 (station 4/5/6)	09FEB06	34	28MAR06	121
P1-151	Receive casting B-6-1	21DEC05	12	13JAN06	117
P1-161	Wind coil B-6-1 (station 3)	16JAN06	37	07MAR06	117
P1-171	VPI,Test & Ship B-6-1 (station 4/5/6)	08MAR06	34	24APR06	117
Period 2					
P2-061	Receive casting B-9-2	25JAN06	12	09FEB06	120
P2-071	Wind coil B-9-2 (station 2)	10FEB06	37	03APR06	120
P2-081	VPI,Test & Ship B-9-2 (station 4/5/6)	04APR06	34	19MAY06	120
P2-151	Receive casting B-12-2	17FEB06	12	06MAR06	118
P2-161	Wind coil B-12-2 (station 3)	08MAR06	37	27APR06	117
P2-171	VPI,Test & Ship B-12-2 (station 4/5/6)	28APR06	34	15JUN06	117
Period 3					
P3-061	Receive casting B-15-3	16MAR06	12	31MAR06	121
P3-071	Wind coil B-15-3 (station 2)	04APR06	37	24MAY06	120
P3-081	VPI,Test & ship B-15-3 (station 4/5/6)	25MAY06	34	13JUL06	120
P3-151	Receive casting B-18-3	12APR06	12	27APR06	117
P3-161	Wind coil B-18-3 (station 3)	28APR06	37	20JUN06	117
P3-171	Apply Mold, VPI ,Test & ship B-18-3 (last mcc)	21JUN06	34	08AUG06	117
15 - Structures					
Job: 1501 - Structures Design- Heitzenroeder					
Structures Final Design					
1501-241	Hold FDR		0	23NOV04	236
Job: 1520-Structures Procure,Fab,Title III					
1501-245	Prep Spec,Solicit Bids, and Evaluate Bids	05MAY05	65	05AUG05	124
162-036.9	Award Coil Support Assy		0	05AUG05*	119
162-037	WBS 151Coil Support Assy Procurement [A/1]	08AUG05	249	04AUG06	119
17 - Cryostat and Base Support Structure					
171 - Cryostat					
151-012	WBS 17 FDR		0	22SEP05	171
151-036.8	Prep Spec, Solicit bids, and Select Vendor	15DEC05*	65	23MAR06	124
151-036.9	Award Cryostat Procurement		0	23MAR06	124
151-037	Cryostat Procurement [A/1]	24MAR06	249	22MAR07	124
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	31MAR06	15	20APR06	121
184-205	Mount/align left mod coil in fixture-Period #1	25APR06	12	10MAY06	117
184-210	Mount/align right mod coil in fixture-Period #2	22MAY06	12	07JUN06	125
184-215	Mount/align left mod coil in fixture-Period #2	16JUN06	12	03JUL06	117
184-220	Mount/align right mod coil in fixture-Period #3	14JUL06	12	31JUL06	125
184-225	Mount/align left mod coil in fixture-Period #3	09AUG06	12	24AUG06	117
TF Coil Sub-assembly					
722.010	Receive/Inspect TF & PF Coils	03OCT05*	249*	29SEP06	761
184-100	Assemble 3 TF coils&structure -Right -Period #1	17FEB06	10	02MAR06	176
184-105	Assemble 3 TF coils&structure -Left -Period #1	03MAR06	10	16MAR06	176
184-110	Assemble 3 TF coils&structure -Right -Period #2	17MAR06	10	30MAR06	193
184-115	Assemble 3 TF coils&structure -Left -Period #2	26APR06	10	09MAY06	175
184-120	Assemble 3 TF coils&structure -Right -Period #3	21JUL06	10	03AUG06	142
184-125	Assemble 3 TF coils&structure -Left -Period #3	18SEP06	10	29SEP06	112
Job:1810 - Field Period Assembly					
Period 1					
721.010	Area preparations	03OCT05*	90	15FEB06	124
P1-180	Rec'v VV,Attach clng tubes &Insul to 1st Period	06MAR06	39	27APR06	112
725.001	Assemble Field Period #1 (summary task)	28APR06	92*	07SEP06	147
P1-181	Assemble 1st. Field Period - coils/VV	28APR06	37	20JUN06	116
P1-191	Position and weld port assemblies	21JUN06	15	12JUL06	147
P1-201	Bakeout vessel segment to 150 degrees C	13JUL06	6	20JUL06	147
P1-211	vacuum leak check &Ext Trim coil instl	21JUL06	25	24AUG06	147
P1-221	Prepare field period for shipment	25AUG06	5	31AUG06	147
P1-231	Ship 1st. Field period	01SEP06	3	06SEP06	147
P1-241	Field period 1 ready for installation	07SEP06	1	07SEP06	147
Period 2					
P2-180	Rec'v VV,Attach clng tubes &Insul to 2nd Period	28APR06	39	22JUN06	112
725.101	Assemble Field Period #2 (summary task)	23JUN06	91*	31OCT06	129
P2-181	Assemble 2nd. Field Period- coils/ VV	23JUN06	37	15AUG06	114
P2-191	Position and weld port assemblies	16AUG06	15	06SEP06	129
P2-201	Bakeout vessel segment to 150 degrees C	07SEP06	6	14SEP06	129
P2-211	vacuum leak check &Ext Trim coil instl	15SEP06	25	19OCT06	129
P2-221	Prepare field period for shipment	20OCT06	5	26OCT06	129
P2-231	Ship 2nd. Field period	27OCT06	3	31OCT06	129
P2-241	Field Period 2 ready for installation	01NOV06	1	01NOV06	129
Period 3					
P3-180	Rec'v VV,Attach clng tubes &Insul to 3rd Period	23JUN06*	39	17AUG06	112
725.201	Assemble Field Period #3 (summary task)	18AUG06	90*	03JAN07	112
P3-181	Assemble 3rd. Field Period - coils/ VV	18AUG06	37	10OCT06	112
P3-191	Position and weld port assemblies	11OCT06	15	31OCT06	112
P3-201	Bakeout vessel segment to 150 degrees C	01NOV06	5	07NOV06	112
P3-211	vacuum leak check &Ext Trim coil instl	08NOV06	25	14DEC06	112
P3-221	Prepare field period for shipment	15DEC06	5	21DEC06	112
P3-231	Ship 3rd. Field Period	22DEC06	3	03JAN07	112
P3-241	3rd. Period ready for installation	04JAN07	1	04JAN07	112
75 - Test Cell and Basement Assembly Operations					
7503 - Machine Assembly					
730.1000	Begin Assembly Activities	18JUL06*	0		124
730.1020	Install & Level Support Base Plates	18JUL06	15	07AUG06	124
730.1030	Install/Level Machine Support Columns	08AUG06	25	12SEP06	124
730.1040	Install Platform	13SEP06	55	30NOV06	124
730.1060	Install Lower Cryostat Floor	27SEP06	5	03OCT06	124
730.1070	Install Lower PF 3,4,5&6 into prelim position	04OCT06	5	10OCT06	124
730.1081	1st Field Period Assembly-Position	11OCT06	6	18OCT06	124
730.1081X	*******PBR add1st Field Period Assembly-Position	19OCT06	6	26OCT06	124
730.1082	1st Field Period Assembly-Weld	27OCT06	4	01NOV06	124
730.1083	1st Field Period Assembly-Leak Check	02NOV06	5	08NOV06	124
730.1091	2nd Field Period Assembly-Position	09NOV06	6	16NOV06	124
730.1091X	*****PBR add2nd Field Period Assembly-Position	17NOV06	6	28NOV06	124
730.1092	2nd Field Period Assembly-Weld	29NOV06	4	04DEC06	124
730.1093	2nd Field Period Assembly-Leak Check	05DEC06	5	11DEC06	124
730.1101	3rd Field Period Assembly-Position	05JAN07	12	22JAN07	112
730.1101X	********pbr add'l Field Period Assembly-Position	23JAN07	12	07FEB07	112
730.1102	3rd Field Period Assembly-Weld	08FEB07	4	13FEB07	112
730.1103	3rd Field Period Assembly-Leak Check	14FEB07	5	20FEB07	112
730.1130	Make Final Vacuum Pump Connections to VV	21FEB07	13	09MAR07	112
730.1140	PTP Pumpdown & leak check VV (WBS 220-025)	12MAR07	10	23MAR07	112
730.1150	Raise lower PF-3,4,5&6 coils into final position	26MAR07	3	28MAR07	112
730.1170	Install PF Solenoid into position (U/L 1&2 PF)	29MAR07	4	03APR07	112
730.1175	Install Upper PF-3,4,5 & 6 coils	04APR07	3	06APR07	112
730.1180	Install Bus connections to coil sys (WBS 431-131	09APR07	40	04JUN07	112
730.1230	Complete Bus connections (WBS 4)	09APR07	40	04JUN07	112
730.1249	Operational Readiness Assessment	07MAY07	20	04JUN07	112
730.1250	Operational Readiness		0	04JUN07	112
730.8075	Prep Cryostat for installation	05OCT07	10	18OCT07	112
730.8100	Cryo stat installation & Test & Cooldown	19OCT07	20	15NOV07	112
730.8200	Cold Power Test PTP	16NOV07	10	03DEC07	112
85 - Integrated Systems Testing					
920.005	Start-up Testing	05JUN07	55	21AUG07	112
920.010	Power Testing and E-Beam Mapping	22AUG07	41	18OCT07	112
920.020	Final ISTP	04DEC07	10	17DEC07	112
730.9000	First Plasma		0	30MAY08*	0

Run Date 24FEB04 11:35

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

ECP5

NCSX CRITICAL PATHS
ECP5 Baseline

Sheet 1 of 1

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