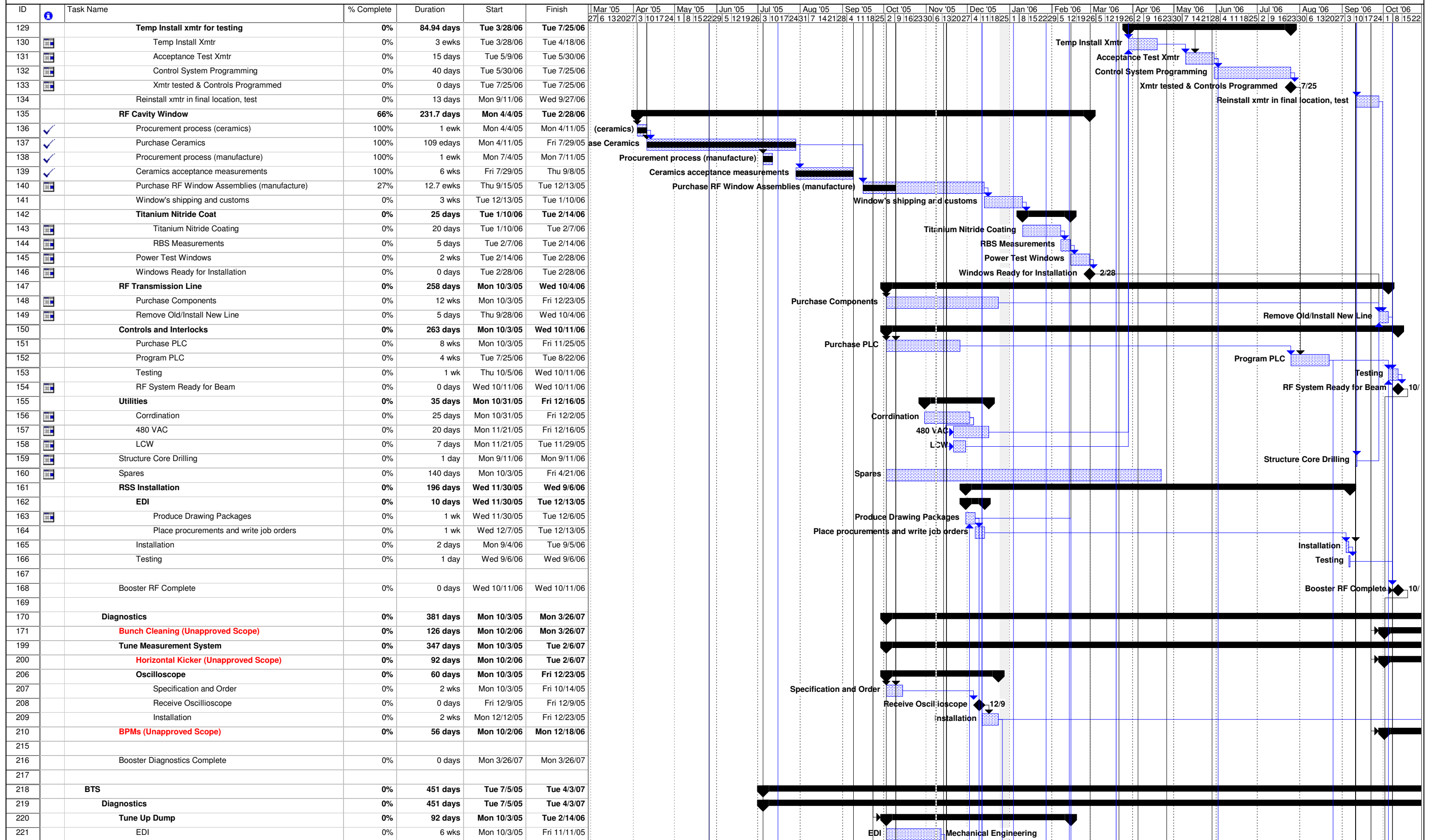
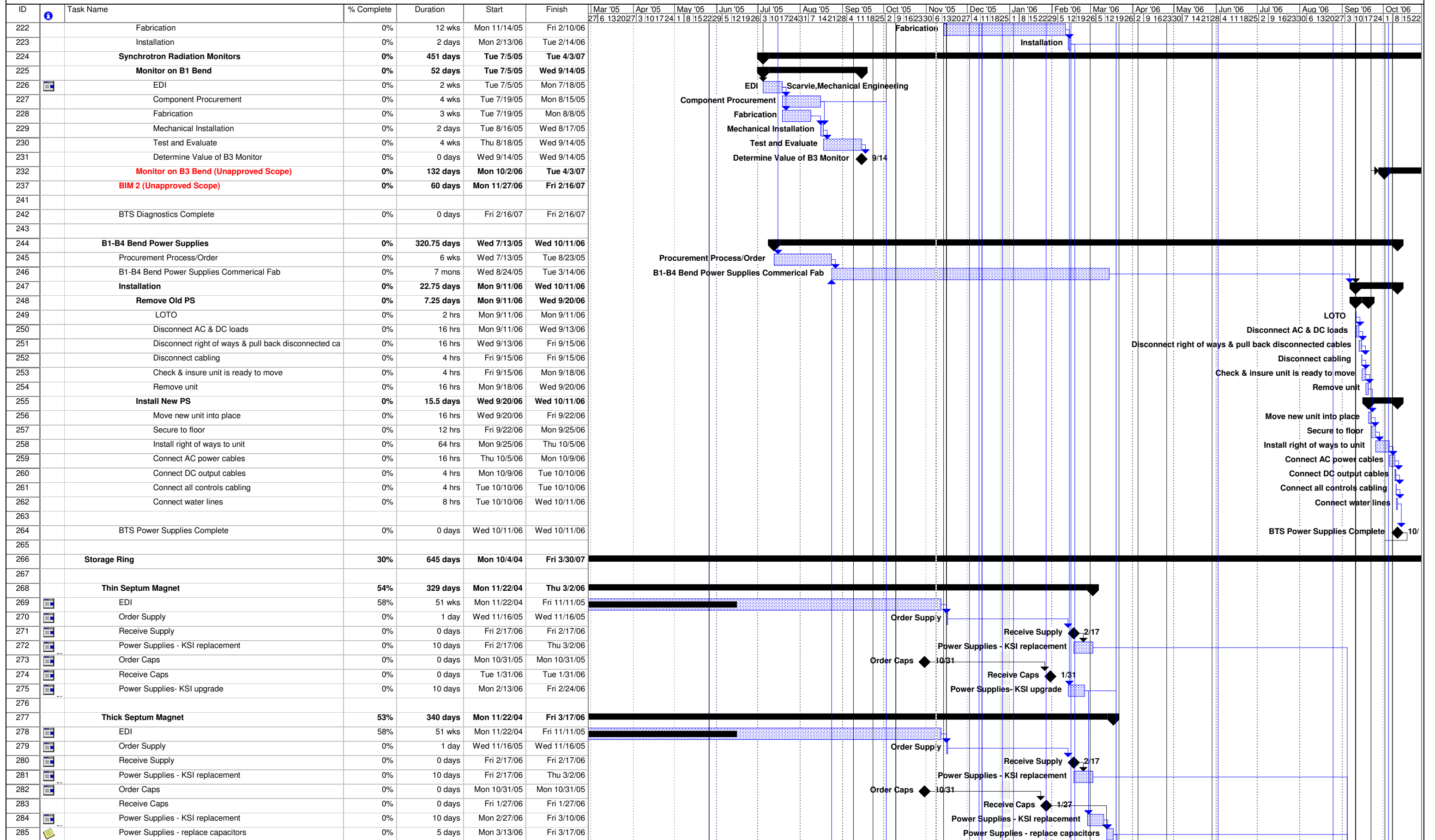
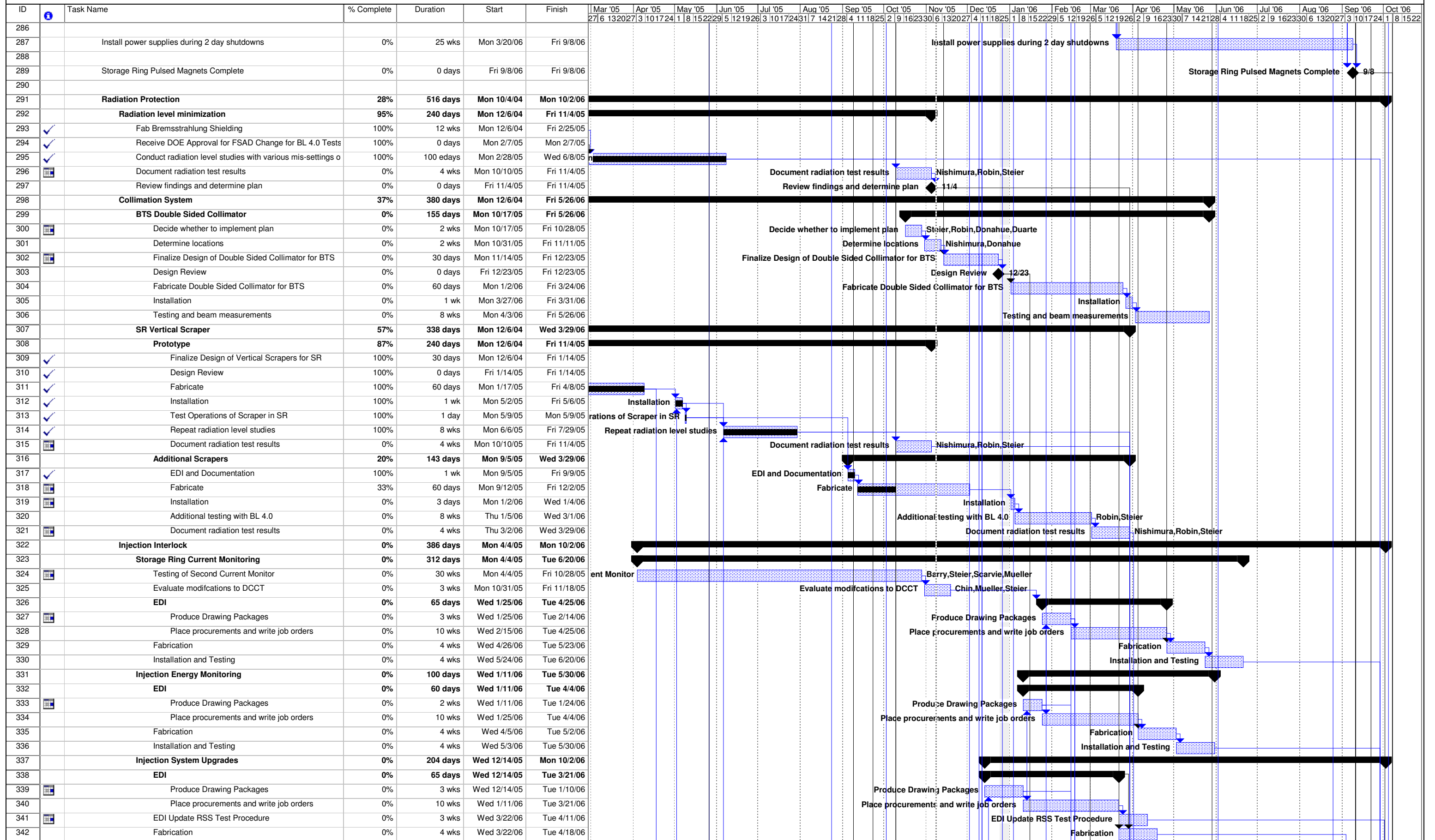


ID	Task Name	% Complete	Duration	Start	Finish	Mar '05	Apr '05	May '05	Jun '05	Jul '05	Aug '05	Sep '05	Oct '05	Nov '05	Dec '05	Jan '06	Feb '06	Mar '06	Apr '06	May '06	Jun '06	Jul '06	Aug '06	Sep '06	Oct '06				
1	Top Off Project	28%	661 days?	Mon 10/4/04	Mon 4/23/07	[Gantt bar for Top Off Project]																							
2																													
3	Project Management	50%	26 mons	Mon 10/4/04	Fri 10/6/06	[Gantt bar for Project Management]																							
4	Receive Additional FY05 Funding	100%	0 days	Tue 3/1/05	Tue 3/1/05	[Gantt bar for Receive Additional FY05 Funding]																							
5	Receive FY06 Funding	0%	0 days	Mon 10/3/05	Mon 10/3/05	[Gantt bar for Receive FY06 Funding]																							
6	Installation Shutdown	0%	0 days	Mon 9/4/06	Mon 9/4/06	[Gantt bar for Installation Shutdown]																							
7	Approval of Delayed Scope	0%	0 days	Mon 10/2/06	Mon 10/2/06	[Gantt bar for Approval of Delayed Scope]																							
8																													
9	Top Off Documentation	100%	80 days	Mon 10/4/04	Fri 1/21/05	[Gantt bar for Top Off Documentation]																							
14																													
15	Linac (Unapproved Scope)	0%	100 days	Mon 10/2/06	Fri 2/16/07	[Gantt bar for Linac (Unapproved Scope)]																							
26																													
27	Booster	40%	606 days	Mon 11/22/04	Mon 3/26/07	[Gantt bar for Booster]																							
28	Power Supplies	29%	363.25 days	Fri 4/22/05	Thu 9/21/06	[Gantt bar for Power Supplies]																							
29	Write Specifications for Bend & Quads	100%	46.38 edays	Fri 4/22/05	Wed 6/8/05	[Gantt bar for Write Specifications for Bend & Quads]																							
30	Design Review/ReWrites if Needed	100%	5 days	Wed 7/6/05	Tue 7/12/05	[Gantt bar for Design Review/ReWrites if Needed]																							
31	Procurement Process/Order Bend & Quads	10%	6 wks	Mon 12/12/05	Fri 1/27/06	[Gantt bar for Procurement Process/Order Bend & Quads]																							
32	Bend & Quad PS Commercial Fab	0%	7 mons	Mon 1/30/06	Fri 8/11/06	[Gantt bar for Bend & Quad PS Commercial Fab]																							
33	Write Specifications for B1-B4 PS's	80%	2 wks	Mon 12/12/05	Fri 12/23/05	[Gantt bar for Write Specifications for B1-B4 PS's]																							
34	Review of Specifications B1-B4	0%	2 days	Mon 1/2/06	Tue 1/3/06	[Gantt bar for Review of Specifications B1-B4]																							
35	Procurement Process/Order B1-B4 PS's	0%	3 wks	Wed 1/4/06	Tue 1/24/06	[Gantt bar for Procurement Process/Order B1-B4 PS's]																							
36	B1-B4 Power Supply Commercial Fab	0%	6 mons	Wed 1/25/06	Tue 7/11/06	[Gantt bar for B1-B4 Power Supply Commercial Fab]																							
37	Receive Spare Control Unit for Programming	0%	0 days	Mon 5/22/06	Mon 5/22/06	[Gantt bar for Receive Spare Control Unit for Programming]																							
38	Specify Requirements for Sextupole PS's	0%	1 wk	Tue 11/1/05	Mon 11/7/05	[Gantt bar for Specify Requirements for Sextupole PS's]																							
39	Procurement Process Sextupole PS's	0%	1 wk	Mon 11/14/05	Fri 11/18/05	[Gantt bar for Procurement Process Sextupole PS's]																							
40	Sextupole Power Supplies Commercial Fab	0%	2 mons	Mon 11/21/05	Fri 1/20/06	[Gantt bar for Sextupole Power Supplies Commercial Fab]																							
41	Quadrupole PS Installation	0%	13.25 days	Mon 9/4/06	Thu 9/21/06	[Gantt bar for Quadrupole PS Installation]																							
42	Remove Old PS	0%	4.25 days	Mon 9/4/06	Fri 9/8/06	[Gantt bar for Remove Old PS]																							
43	LOTO	0%	2 hrs	Mon 9/4/06	Mon 9/4/06	[Gantt bar for LOTO]																							
44	Disconnect AC & DC loads	0%	8 hrs	Mon 9/4/06	Tue 9/5/06	[Gantt bar for Disconnect AC & DC loads]																							
45	Disconnect right of ways & pull back disconnected ca	0%	8 hrs	Tue 9/5/06	Wed 9/6/06	[Gantt bar for Disconnect right of ways & pull back disconnected ca]																							
46	Disconnect cabling	0%	2 hrs	Wed 9/6/06	Wed 9/6/06	[Gantt bar for Disconnect cabling]																							
47	Check & insure unit is ready to move	0%	2 hrs	Wed 9/6/06	Wed 9/6/06	[Gantt bar for Check & insure unit is ready to move]																							
48	Remove unit	0%	12 hrs	Wed 9/6/06	Fri 9/8/06	[Gantt bar for Remove unit]																							
49	Install New PS	0%	13.25 days	Mon 9/4/06	Thu 9/21/06	[Gantt bar for Install New PS]																							
50	Move new unit into place	0%	12 hrs	Mon 9/4/06	Tue 9/5/06	[Gantt bar for Move new unit into place]																							
51	Secure to floor	0%	8 hrs	Tue 9/5/06	Wed 9/6/06	[Gantt bar for Secure to floor]																							
52	Install right of ways to unit	0%	64 hrs	Wed 9/6/06	Mon 9/18/06	[Gantt bar for Install right of ways to unit]																							
53	Connect AC power cables	0%	8 hrs	Mon 9/18/06	Tue 9/19/06	[Gantt bar for Connect AC power cables]																							
54	Connect DC output cables	0%	4 hrs	Tue 9/19/06	Tue 9/19/06	[Gantt bar for Connect DC output cables]																							
55	Connect all controls cabling	0%	4 hrs	Wed 9/20/06	Wed 9/20/06	[Gantt bar for Connect all controls cabling]																							
56	Connect water lines	0%	6 hrs	Wed 9/20/06	Thu 9/21/06	[Gantt bar for Connect water lines]																							
57	Bend PS Installation	0%	50.5 days	Tue 7/11/06	Wed 9/20/06	[Gantt bar for Bend PS Installation]																							
58	Remove Old PS	0%	2.5 days	Thu 9/7/06	Mon 9/11/06	[Gantt bar for Remove Old PS]																							
59	LOTO	0%	2 hrs	Thu 9/7/06	Thu 9/7/06	[Gantt bar for LOTO]																							
60	Disconnect AC & DC loads	0%	4 hrs	Thu 9/7/06	Thu 9/7/06	[Gantt bar for Disconnect AC & DC loads]																							
61	Disconnect right of ways & pull back disconnected ca	0%	4 hrs	Thu 9/7/06	Fri 9/8/06	[Gantt bar for Disconnect right of ways & pull back disconnected ca]																							
62	Disconnect cabling	0%	1 hr	Fri 9/8/06	Fri 9/8/06	[Gantt bar for Disconnect cabling]																							
63	Check & insure unit is ready to move	0%	1 hr	Fri 9/8/06	Fri 9/8/06	[Gantt bar for Check & insure unit is ready to move]																							
64	Remove unit	0%	8 hrs	Fri 9/8/06	Mon 9/11/06	[Gantt bar for Remove unit]																							
65	Install New PS	0%	50.5 days	Wed 7/12/06	Wed 9/20/06	[Gantt bar for Install New PS]																							
66	Move new unit into place	0%	8 hrs	Mon 9/11/06	Tue 9/12/06	[Gantt bar for Move new unit into place]																							
67	Secure to floor	0%	4 hrs	Tue 9/12/06	Tue 9/12/06	[Gantt bar for Secure to floor]																							
68	Install right of ways to unit	0%	32 hrs	Wed 9/13/06	Mon 9/18/06	[Gantt bar for Install right of ways to unit]																							
69	Connect AC power cables	0%	4 hrs	Tue 9/19/06	Tue 9/19/06	[Gantt bar for Connect AC power cables]																							
70	Connect DC output cables	0%	2 hrs	Tue 9/19/06	Tue 9/19/06	[Gantt bar for Connect DC output cables]																							
71	Connect all controls cabling	0%	2 hrs	Tue 9/19/06	Tue 9/19/06	[Gantt bar for Connect all controls cabling]																							

ID	Task Name	% Complete	Duration	Start	Finish	Mar '05	Apr '05	May '05	Jun '05	Jul '05	Aug '05	Sep '05	Oct '05	Nov '05	Dec '05	Jan '06	Feb '06	Mar '06	Apr '06	May '06	Jun '06	Jul '06	Aug '06	Sep '06	Oct '06
72	Connect water lines	0%	4 hrs	Wed 9/20/06	Wed 9/20/06																				
73	Install New Sextupole PS's	0%	5 days	Wed 7/12/06	Tue 7/18/06																				
74	Install PS's	0%	1 wk	Wed 7/12/06	Tue 7/18/06																				
75	Booster Power Supplies Complete	0%	0 days	Tue 7/11/06	Tue 7/11/06																				
77	Thin Septum Magnet	67%	312 days	Tue 11/23/04	Wed 2/8/06																				
78	EDI	58%	51 wks	Tue 11/23/04	Mon 11/14/05																				
79	Magnet - swap out procedure	85%	45 days	Mon 5/2/05	Fri 7/1/05																				
80	Magnetic/mechanic measurements at higher fields on spare	100%	30 days	Wed 3/16/05	Tue 4/26/05																				
81	Short lifetime testing at higher field	100%	8 wks	Mon 6/27/05	Fri 8/19/05																				
82	Order Supply	0%	1 day	Wed 11/16/05	Wed 11/16/05																				
83	Receive Supply	0%	0 days	Wed 1/25/06	Wed 1/25/06																				
84	Power Supplies- KSI upgrade	0%	10 days	Thu 1/26/06	Wed 2/8/06																				
86	Thick Septum Magnet	44%	329 days	Mon 11/22/04	Thu 3/2/06																				
87	EDI	58%	13 mons	Mon 11/22/04	Fri 11/18/05																				
88	Magnetic/Mechanic Measurements at Higher Fields on Spare	100%	30 edays	Mon 2/7/05	Wed 3/9/05																				
89	Short lifetime testing at higher field	0%	60 edays	Fri 8/19/05	Tue 10/18/05																				
90	Review Specs and potential manufactureres	0%	0 days	Mon 9/12/05	Mon 9/12/05																				
91	Order Supply	0%	0 days	Wed 11/16/05	Wed 11/16/05																				
92	Receive Supply	0%	0 days	Fri 2/17/06	Fri 2/17/06																				
93	Power Supplies - KSI replacement	0%	10 days	Fri 2/17/06	Thu 3/2/06																				
94	Order Caps	0%	0 days	Mon 10/31/05	Mon 10/31/05																				
95	Receive Caps	0%	0 days	Fri 1/27/06	Fri 1/27/06																				
96	Power Supplies - replace capacitors	0%	10 days	Mon 1/30/06	Fri 2/10/06																				
98	Kicker Magnet	0%	40 days	Tue 11/1/05	Mon 1/2/06																				
99	EDI	0%	15 days	Tue 11/1/05	Mon 11/21/05																				
100	Power Supplies - one new interface	0%	5 days	Tue 11/22/05	Mon 11/28/05																				
101	Power Supplies - HV diode stack	0%	5 days	Tue 11/29/05	Mon 12/5/05																				
102	Power Supplies - Kicker structure upgades	0%	5 days	Tue 12/6/05	Mon 12/12/05																				
103	Power Supplies - charge-line upgades	0%	10 days	Tue 12/13/05	Mon 1/2/06																				
105	Booster Pulsed Magnets Complete	0%	0 days	Fri 2/10/06	Fri 2/10/06																				
107	RF	44%	417 days	Tue 3/1/05	Wed 10/11/06																				
108	Money Available for Procurement	0%	0 days	Tue 3/1/05	Tue 3/1/05																				
109	EDI Overall System	71%	389 days	Tue 3/1/05	Mon 9/4/06																				
110	EDI/Specs for Procurements	100%	92 days	Tue 3/1/05	Wed 7/6/05																				
111	Design Review for HVPS and Tranmitter	100%	20 days	Wed 6/1/05	Tue 6/28/05																				
112	Procurement Decision for Ceramics	100%	0 days	Mon 3/14/05	Mon 3/14/05																				
113	Design review for RF Window	100%	0 days	Thu 5/12/05	Thu 5/12/05																				
114	EDI Overall System	50%	160 days	Tue 3/1/05	Mon 10/10/05																				
115	Begin Installation Shutdown	0%	0 days	Mon 9/4/06	Mon 9/4/06																				
116	High Voltage Power Supply	39%	298 days	Thu 7/7/05	Tue 9/5/06																				
117	Procurement Process	100%	9.14 ewks	Thu 7/7/05	Fri 9/9/05																				
118	Purchase HVPS	20%	186 edays	Fri 9/9/05	Tue 3/14/06																				
119	Removal of existing HVPS	0%	2 days	Mon 9/4/06	Tue 9/5/06																				
120	Installation of new HVPS	0%	30 days	Tue 3/28/06	Tue 5/9/06																				
121	Installation of HVPS	0%	6 wks	Tue 3/28/06	Tue 5/9/06																				
122	Installation of HVPS complete	0%	0 days	Tue 5/9/06	Tue 5/9/06																				
123	Final Amplifier/Tranmitter	41%	315 days	Thu 7/7/05	Wed 9/27/06																				
124	Procurement Process	100%	9.14 ewks	Thu 7/7/05	Fri 9/9/05																				
125	Purchase Tranmitter System	16%	186 edays	Fri 9/9/05	Tue 3/14/06																				
126	IOT Procurement Process	90%	9.14 ewks	Thu 7/7/05	Fri 9/9/05																				
127	IOT Tube purchase	36%	12 ewks	Fri 9/9/05	Fri 12/2/05																				
128	Removal of existing xmtr	0%	3 days	Wed 9/6/06	Fri 9/8/06																				







ID	Task Name	% Complete	Duration	Start	Finish	Mar '05	Apr '05	May '05	Jun '05	Jul '05	Aug '05	Sep '05	Oct '05	Nov '05	Dec '05	Jan '06	Feb '06	Mar '06	Apr '06	May '06	Jun '06	Jul '06	Aug '06	Sep '06	Oct '06
343	Installation and Testing	0%	4 wks	Mon 9/4/06	Fri 9/29/06																				
344	2 Day RSS Test (exclusive accelerator access)	0%	1 day	Mon 10/2/06	Mon 10/2/06																				
345	Extraction Trigger Inhibit	0%	208 days	Wed 12/7/05	Fri 9/29/06																				
346	EDI	0%	55 days	Wed 12/7/05	Tue 2/28/06																				
347	Produce Drawing Packages	0%	1 wk	Wed 12/7/05	Tue 12/13/05																				
348	Place procurements and write job orders	0%	10 wks	Wed 12/14/05	Tue 2/28/06																				
349	Fabrication	0%	2 wks	Wed 3/1/06	Tue 3/14/06																				
350	Installation and Testing	0%	4 wks	Mon 9/4/06	Fri 9/29/06																				
351	Beamline/Shutter Interlock	7%	332 days	Mon 3/21/05	Tue 7/4/06																				
352	Evaluate Rad Monitors	100%	4 wks	Mon 3/21/05	Fri 4/15/05																				
353	Procure Rad Monitors/Electronics	0%	4 mons	Mon 10/3/05	Fri 1/27/06																				
354	EDI	0%	70 days	Wed 11/2/05	Tue 2/14/06																				
355	Produce Drawing Packages	0%	4 wks	Wed 11/2/05	Tue 11/29/05																				
356	Place procurements and write job orders	0%	10 wks	Wed 11/30/05	Tue 2/14/06																				
357	Fabrication	0%	14 wks	Wed 2/15/06	Tue 5/23/06																				
358	Installation and Testing	0%	6 wks	Wed 5/24/06	Tue 7/4/06																				
359	Interlock Review	0%	1 day	Wed 2/15/06	Wed 2/15/06																				
360	Tracking Studies	0%	355 days	Mon 10/4/04	Fri 2/17/06																				
361	Initial reverse studies (BL 2.1)	0%	12 wks	Mon 10/4/04	Fri 12/24/04																				
362	More detailed error scenarios	0%	12 wks	Mon 12/27/04	Fri 3/18/05																				
363	Initial forward studies (x.0/.1/.2/.3)	0%	4 wks	Mon 9/5/05	Fri 9/30/05																				
364	Document assumptions	0%	3 wks	Mon 10/17/05	Fri 11/4/05																				
365	Review results and determine final parameter range	0%	2 wks	Mon 11/7/05	Fri 11/18/05																				
366	Finalize initial and reverse studies	0%	4 wks	Mon 11/21/05	Fri 12/16/05																				
367	Independent second evaluation	0%	8 wks	Mon 12/19/05	Fri 2/17/06																				
368	Radiation Safety Review	0%	1 day	Thu 3/30/06	Thu 3/30/06																				
369	Apply for DOE Approval for Second FSAD Change	0%	2 wks	Fri 3/31/06	Thu 4/13/06																				
370	Receive Approval	0%	0 days	Thu 8/3/06	Thu 8/3/06																				
371																									
372	Storage Ring Radiation Protection Complete	0%	0 days	Mon 10/2/06	Mon 10/2/06																				
373																									
374	Diagnostics	0%	385 days	Mon 10/3/05	Fri 3/30/07																				
375	Upgrade Cleaning System (Unapproved Scope)	0%	10 days	Fri 12/29/06	Fri 1/12/07																				
379	Bunch by Bunch Current Monitor	0%	55 days	Mon 10/3/05	Fri 12/16/05																				
380	Oscilloscope	0%	55 days	Mon 10/3/05	Fri 12/16/05																				
381	Specification and Order	0%	1 wk	Mon 10/3/05	Fri 10/7/05																				
382	Receive Oscilloscope	0%	0 days	Fri 12/2/05	Fri 12/2/05																				
383	Installation	0%	2 wks	Mon 12/5/05	Fri 12/16/05																				
384	Visible Bunch Purity Monitor (Unapproved Scope)	0%	130 days	Mon 10/2/06	Fri 3/30/07																				
392																									
393	Storage Ring Diagnostics Complete	0%	0 days	Fri 3/30/07	Fri 3/30/07																				
394																									
395	Controls and Timing	15%	517 days	Fri 3/25/05	Mon 3/26/07																				
396	User Gateing Signal	0%	20 wks	Mon 1/2/06	Fri 5/19/06																				
397	Detail Timing Scheme	0%	6 ewks	Tue 1/24/06	Tue 3/7/06																				
398	Linac and Booster Timing	0%	20 wks	Wed 3/8/06	Tue 7/25/06																				
399	Power Supply Controls	43%	335 days	Mon 6/6/05	Fri 9/22/06																				
400	Network Infrastructure installed	0%	0 days	Wed 3/1/06	Wed 3/1/06																				
401	Develop PS test Procedure Document	0%	1 wk	Mon 5/22/06	Fri 5/26/06																				
402	Booster Large PS	56%	322 days	Mon 6/6/05	Tue 9/5/06																				
403	Develop Control Specs for Large Magnet Power Supplies	100%	8 wks	Mon 6/6/05	Fri 7/29/05																				
404	Develop Controls	0%	4 wks	Mon 5/29/06	Fri 6/23/06																				
405	Test Controls	0%	2 wks	Mon 6/26/06	Fri 7/7/06																				
406	Final Test After Installation	0%	2 days	Mon 9/4/06	Tue 9/5/06																				
407	Booster Small PS	0%	225 days	Mon 11/7/05	Fri 9/22/06																				
408	Decide On mini-IOC or Compact PCI Controls	0%	0 days	Mon 11/7/05	Mon 11/7/05																				
409	Order IOC IO Boards Parts	0%	2 days	Mon 11/7/05	Tue 11/8/05																				

Top Off Baseline Schedule v11-1-05.mpp

ID	Task Name	% Complete	Duration	Start	Finish	Mar '05	Apr '05	May '05	Jun '05	Jul '05	Aug '05	Sep '05	Oct '05	Nov '05	Dec '05	Jan '06	Feb '06	Mar '06	Apr '06	May '06	Jun '06	Jul '06	Aug '06	Sep '06	Oct '06
410	Receive, Fabricate & Test IOC IO Boards	0%	3 wks	Wed 11/9/05	Tue 11/29/05																				
411	ILC Removal and IOC Installation	0%	1 wk	Mon 9/4/06	Fri 9/8/06																				
412	PS IOC installation complete	0%	0 days	Fri 9/8/06	Fri 9/8/06																				
413	Move ILC cabling to IOCs	0%	1 wk	Mon 9/11/06	Fri 9/15/06																				
414	Final In Place Test	0%	1 wk	Mon 9/18/06	Fri 9/22/06																				
415	PS IOC control testing complete	0%	0 days	Fri 9/22/06	Fri 9/22/06																				
416	Spec and Design for Corrector Ramping System	75%	4 wks	Mon 10/3/05	Fri 10/28/05																				
417	BTS Diagnostics Controls	0%	97 days	Mon 10/3/05	Tue 2/21/06																				
418	B1	0%	5 days	Mon 10/3/05	Fri 10/7/05																				
419	Rework Existing Frame Grabber Software	0%	1 wk	Mon 10/3/05	Fri 10/7/05																				
420	Rework CRA	0%	1 wk	Mon 10/3/05	Fri 10/7/05																				
421	Beam Stopper Controls	0%	1 wk	Wed 2/15/06	Tue 2/21/06																				
422																									
423	Storage Ring Collimator Controls	96%	168 days	Fri 3/25/05	Tue 11/15/05																				
424	Motor Drive Avail for Software Test	100%	0 days	Fri 3/25/05	Fri 3/25/05																				
425	IOC Software Development	100%	3 wks	Fri 3/25/05	Thu 4/14/05																				
426	Order Boards and Crate	100%	1 day	Fri 4/15/05	Fri 4/15/05																				
427	Local Control Test	100%	2 wks	Mon 4/18/05	Fri 4/29/05																				
428	Install IOC	100%	1 day	Mon 5/2/05	Mon 5/2/05																				
429	Install Second IOC	0%	1 day	Tue 11/15/05	Tue 11/15/05																				
430	BTS Collimator Controls	0%	6 days	Mon 1/16/06	Mon 1/23/06																				
431	IOC Software Configuration	0%	3 days	Mon 1/16/06	Wed 1/18/06																				
432	Order Boards and Crate	0%	1 day	Thu 1/19/06	Thu 1/19/06																				
433	Test Configuration	0%	1 day	Fri 1/20/06	Fri 1/20/06																				
434	Install IOC	0%	1 day	Mon 1/23/06	Mon 1/23/06																				
435	Bunch Cleaning Controls(Unapproved Scope)	0%	126 days	Mon 10/2/06	Mon 3/26/07																				
447	RF Controls	21%	319.94 days	Wed 6/1/05	Tue 8/29/06																				
448	Develop Control Specs for RF Transmitter	100%	15 days	Wed 6/1/05	Tue 6/21/05																				
449	Transmitter Procurement Ramping System Layout Complete	100%	0 days	Tue 6/21/05	Tue 6/21/05																				
450	Control System Specification complete for Manufacturer of RF Transmitter CS interface (Embedded PLC)	100%	0 days	Tue 6/21/05	Tue 6/21/05																				
451	Specification and design for RF ramping system	0%	4 wks	Mon 10/31/05	Fri 11/25/05																				
452	Specification for LBNL Part of RF transmitter CS interface (Embedded PLC)	0%	4 wks	Mon 11/28/05	Fri 12/23/05																				
453	Develop Transmitter Controls	0%	2 wks	Tue 5/30/06	Tue 6/13/06																				
454	Develop Interlock Controls	0%	1 wk	Tue 8/22/06	Tue 8/29/06																				
455																									
456	Controls and Timing Complete	0%	0 days	Fri 9/22/06	Fri 9/22/06																				
457																									
458	Accelerator Physics Studies/Commissioning	3%	340 days	Mon 11/22/04	Fri 3/17/06																				
459	Precommissioning Studies	3%	340 days	Mon 11/22/04	Fri 3/17/06																				
460	Injector transfer efficiencies	4%	261 days	Mon 11/22/04	Tue 11/22/05																				
461	Linac beam loading and beam quality	0%	172 edays	Mon 11/22/04	Fri 5/13/05																				
462	Booster injection efficiency	0%	120 edays	Sun 3/6/05	Mon 7/4/05																				
463	Booster extraction efficiency	10%	90 edays	Sun 4/3/05	Sat 7/2/05																				
464	Storage ring injection efficiency/alignment/steering	10%	160 edays	Sun 3/6/05	Sat 8/13/05																				
465	Learn how to use existing booster BPM's	0%	20 ewks	Tue 7/5/05	Tue 11/22/05																				
466	Test ways to use existing kickers for tune measurement in booster	0%	12 ewks	Fri 12/23/05	Fri 3/17/06																				
467	Precommissioning Studies Complete	0%	0 days	Sat 8/13/05	Sat 8/13/05																				
468																									
469	Ready for Commissioning and Start Up of Full Energy Injector	0%	0 days	Wed 10/11/06	Wed 10/11/06																				
470																									
471	Commissioning/Startup	0%	14 edays	Wed 10/11/06	Wed 10/25/06																				
472																									
473	Ready for Top Off Commissioning	0%	0 days	Wed 10/25/06	Wed 10/25/06																				
474																									
475	Commissioning of Cleaning System	0%	4 wks	Tue 3/27/07	Mon 4/23/07																				
476		0%	1 day?	Mon 10/4/04	Mon 10/4/04																				