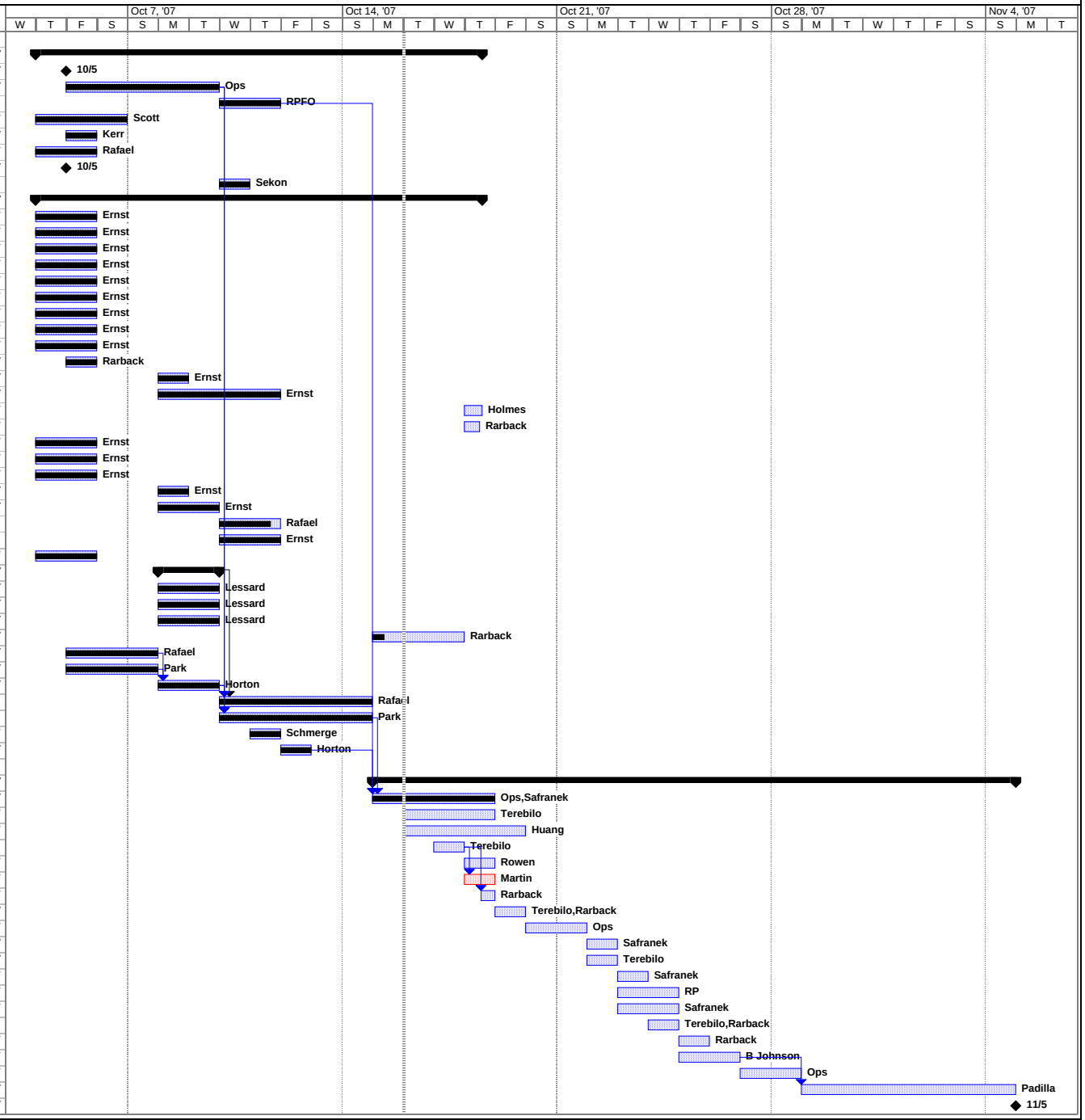ID		Task Name	Duration	Start
1				
2		**SPEAR Startup 2005**	**14.63 days**	**Thu 10/4/07**
3	✓	Provide SPEAR BAS	0 days	Fri 10/5/07
4	✓	BAS Checks	5 days	Fri 10/5/07
5	✓	BCS (BSOIC's) Checks	2 days	Wed 10/10/07
6	✓	pump down zone 4	3 days	Thu 10/4/07
7	✓	Close rolling blocks	1 day	Fri 10/5/07
8	✓	Kicker Readiness Checks	2 days	Thu 10/4/07
9	✓	Ring doors closed (4 pm)	0 days	Fri 10/5/07
10	✓	Hi Pot and Polarity measurements	1 day	Wed 10/10/07
11		**ID Work, Control & Checks**	**14.63 days**	**Thu 10/4/07**
12	✓	Install BL13 LCW and set flows	2 days	Thu 10/4/07
13	✓	Install BL13 1st IV panel	2 days	Thu 10/4/07
14	✓	Plumb BL13 fast valve and regulator	2 days	Thu 10/4/07
15	✓	Install BL-13 EPU chamber valve panels	2 days	Thu 10/4/07
16	✓	Install BL-13 EPU LCW cks, set flows	2 days	Thu 10/4/07
17	✓	Install BL-13 EPU lead shielding	2 days	Thu 10/4/07
18	✓	Replace BL-13 outer chamber support, shop fab	2 days	Thu 10/4/07
19	✓	Install BL-14 IV-panel	2 days	Thu 10/4/07
20	✓	Install BL-4 ID cover	2 days	Thu 10/4/07
21	✓	Perform 12-2 ID controls (GA) checks	1 day	Fri 10/5/07
22	✓	Connect BL 13 ID ground	1 day	Mon 10/8/07
23	✓	General ID checks	4 days	Mon 10/8/07
24		Install encoder for BL13 upper jaw and align	5 hrs	Thu 10/18/07
25		BL13 motor configuration tests	4 hrs	Thu 10/18/07
26	✓	Install G-16, G-17 QFC correctors, and LCW	2 days	Thu 10/4/07
27	✓	Install G-16, G-17 QFC TSP LCW	2 days	Thu 10/4/07
28	✓	Install RF HVPS cable clamps and supports	2 days	Thu 10/4/07
29	✓	Assemble RF waveguide	1 day	Mon 10/8/07
30	✓	LCW flow checks, check to MPS (SPEAR All)	2 days	Mon 10/8/07
31		Install new IG cables	2 days	Wed 10/10/07
32	✓	Modify BTS magnet covers	2 days	Wed 10/10/07
33	✓	Install 17S air line	2 days	Thu 10/4/07
34		**MPS readiness checks**	**2 days**	**Mon 10/8/07**
35	✓	Terminate the B131-MCOR1 PS permit	2 days	Mon 10/8/07
36	✓	Test new 17S-IV1 and IV2	2 days	Mon 10/8/07
37	✓	Include the new 5 IG interlocks	2 days	Mon 10/8/07
38		Build EPICS database for MPS, kickers, LCW	3 days	Mon 10/15/07
39	✓	Prepare PSs for PPS Cert.	3 days	Fri 10/5/07
40	✓	Prepare RF for PPS Cert.	3 days	Fri 10/5/07
41	✓	PPS Cert., PSs and RF	2 days	Mon 10/8/07
42	✓	PS's Intlk & Pwr tests	5 days	Wed 10/10/07
43	✓	RF checks & process	5 days	Wed 10/10/07
44	✓	BTS ACM Certification (no beam)	1 day	Thu 10/11/07
45	✓	Global PPS certification	1 day	Fri 10/12/07
46				
47		**Configuration Development**	**21 days**	**Mon 10/15/07**
48	✓	Develop Injection(<18mA)	4 days	Mon 10/15/07
49		QMS	3 days	Tue 10/16/07
50		LOCO	4 days	Tue 10/16/07
51		Orbit interlock	1 day	Wed 10/17/07
52		BL13 related access	1 day	Thu 10/18/07
53		current interlock tests (start of 100mA)	1 day	Thu 10/18/07
54		BL12 Interlock Verification	0.5 days	Thu 10/18/07
55		BL Trim Tables	1 day	Fri 10/19/07
56		Misc and Scrub 100mA	2 days	Sat 10/20/07
57		Kicker bump match	1 day	Mon 10/22/07
58		FOFB set up	1 day	Mon 10/22/07
59		Dynamic aperture meas.	1 day	Tue 10/23/07
60		Radiation Measurements	2 days	Tue 10/23/07
61		AP final checks	2 days	Tue 10/23/07
62		BL Trim Tables	1 day	Wed 10/24/07
63		Verify Curmon Mods	1 day	Thu 10/25/07
64		BLs set up	2 days	Thu 10/25/07
65		Flash TSPs, scrub	2 days	Sat 10/27/07
66		BLA Chks & Rad Surveys	7 days	Mon 10/29/07
67		Deliver Beam to users (6am)	0 days	Mon 11/5/07