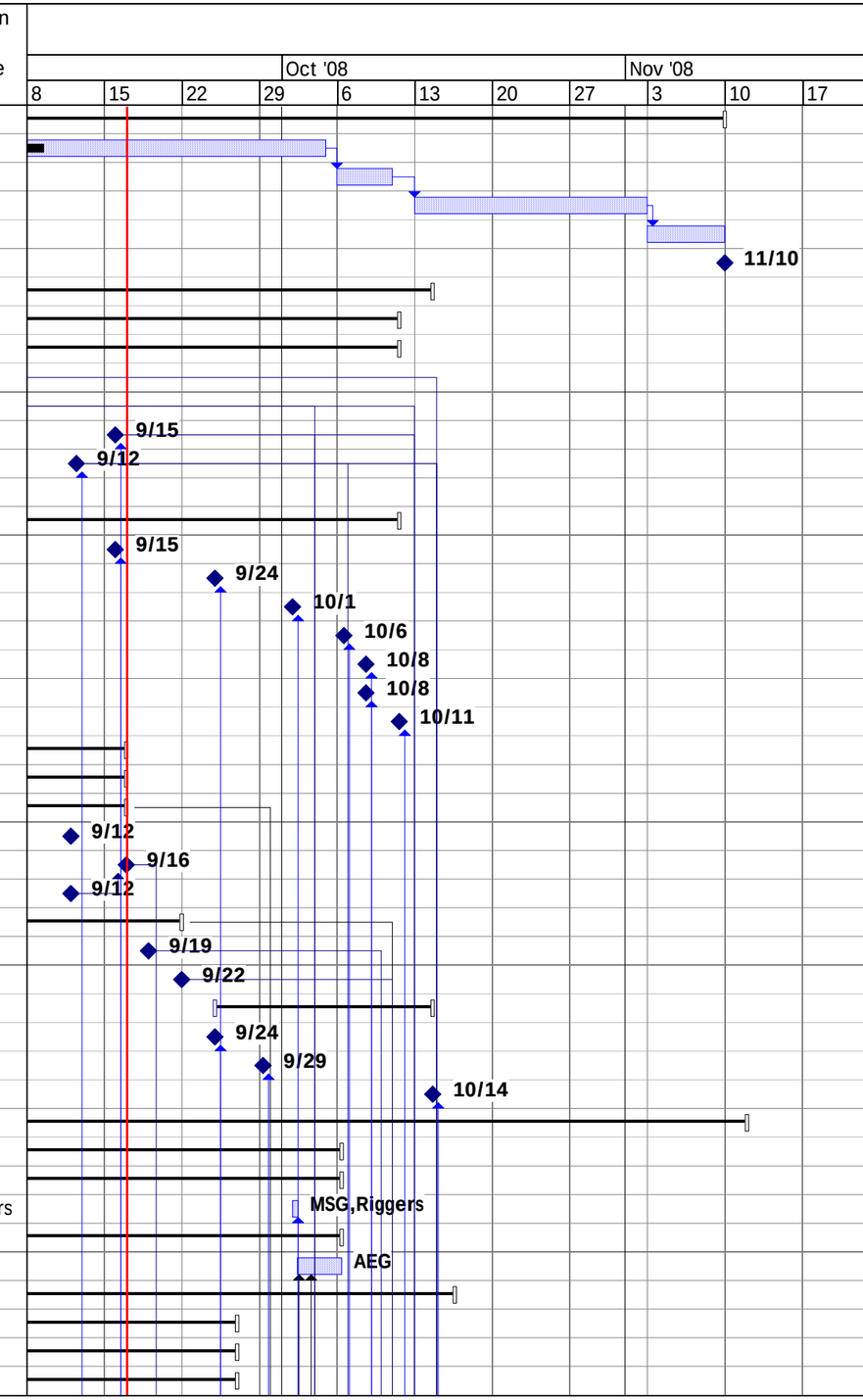
SSRL ACCELERATOR - 2008 SHUTDOWN - ESTIMATED END DATE 9/12/08

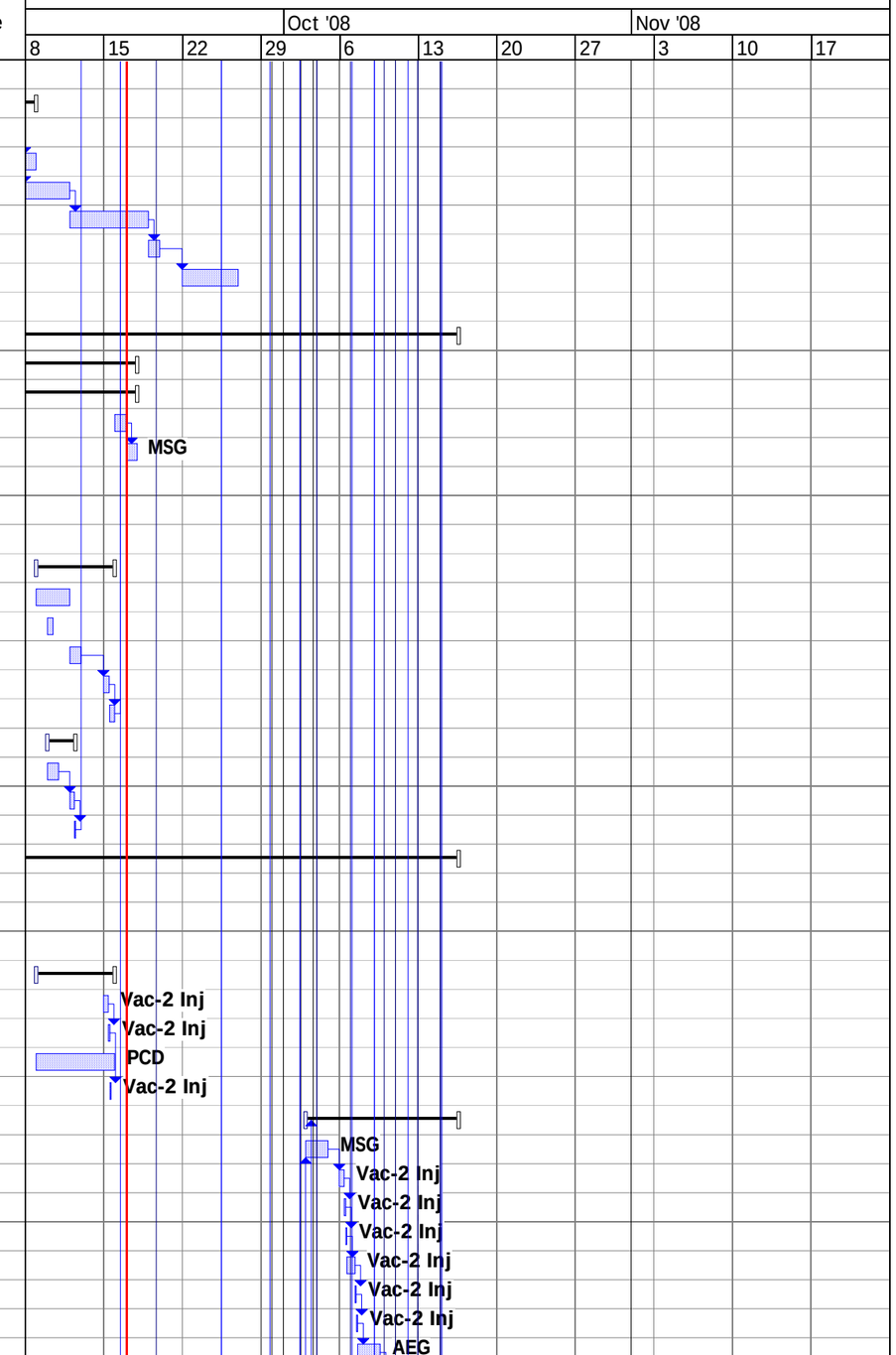
ID	% omplet	Task Name	Duration	Start	Finish	Prede	Project manager	Task person or shop responsible
1	**29%**	**Key Dates**						
3	50%	Down work	39 d	8/12/08	10/4/08	2		
5	0%	Startup - transition week	5 d	10/6/08	10/10/08	3		
6	0%	Startup	17 d	10/13/08	11/2/08	5		
7	0%	User-beam commissioning	7 d	11/3/08	11/9/08	6		
8	0%	Deliver beam to users	0 d	11/10/08	11/10/08			
9	**0%**	**PROJECT MILESTONES**						
10	**0%**	**Top-Off**						
13	**0%**	**BTS**						
14	*80%*	*G49 location - complete*	*0 d*	*8/29/08*	*8/29/08*	*148*		
15	*80%*	*ST1/ST2 location - complete*	*0 d*	*9/3/08*	*9/3/08*	*155*		
16	*0%*	*Faraday cup location - complete*	*0 d*	*9/15/08*	*9/15/08*	*161*		
17	*0%*	*Q8 - Q9 location - complete*	*0 d*	*9/12/08*	*9/12/08*	*165*		
18	*0%*	*Injection raft - upstream complete*	*0 d*	*3/1/07*	*3/1/07*			
19	**0%**	**Septum Vac Chb**	*57.75 d*	*7/24/08*	*10/11/08*			
22	*0%*	*Septum cbb ready for bake*	*0 d*	*9/15/08*	*9/15/08*	*270*		
23	*0%*	*Bakeout complete*	*0 d*	*9/24/08*	*9/24/08*	*271*		
26	*0%*	*Riggers install raft into 3S*	*0 d*	*10/1/08*	*10/1/08*	*279*		
27	*0%*	*Injection raft chambers installed*	*0 d*	*10/6/08*	*10/6/08*	*284*		
28	*0%*	*Pump down BTS*	*0 d*	*10/8/08*	*10/8/08*	*285*		
29	*0%*	*Pump down zone 1*	*0 d*	*10/8/08*	*10/8/08*	*286*		
30	*0%*	*Septum upgrade complete*	*0 d*	*10/11/08*	*10/11/08*	*288*		
33	**0%**	**SPEAR**						
34	**0%**	**Electron Clearing Magnets**						
35	**0%**	**Magnet calibration**						
38	*0%*	*Proto-type ECD magnetic measurement*	*0 d*	*9/12/08*	*9/12/08*			
41	*0%*	*Modify core with chamfer for new coil design*	*0 d*	*9/16/08*	*9/16/08*	*43FS+*		
43	*0%*	*Stangenes coil design review/bid*	*0 d*	*9/12/08*	*9/12/08*			
45	**0%**	**BL13 and BL14**						
48	*0%*	*ADC EPU - mag calib complete*	*0 d*	*9/19/08*	*9/19/08*			
49	*0%*	*Decision as to which EPU - ADC or Noodle*	*0 d*	*9/22/08*	*9/22/08*			
52	**0%**	**Restoratation**	**15.8 d**	**9/24/08**	**10/14/08**			
53	*0%*	*Pumpdowns zones 2, 3*	*0 d*	*9/24/08*	*9/24/08*	*438*		
54	*0%*	*Pumpdown zone 4*	*0 d*	*9/29/08*	*9/29/08*	*224*		
55	*0%*	*Pumpdown zone 1 and BTS*	*0 d*	*10/14/08*	*10/14/08*	*185*		
100	**38%**	**LONG-DOWN**						
102	**61%**	**PRELIMINARIES**						
103	**61%**	**Lockdown, Access door, LCW Shutdown, Venting**						
111	0%	Install West Equipment access door	0.5 d	10/2/08	10/2/08	279		MSG,Riggers
114	**40%**	**HLS (for ECD work)**					**LeCocq**	
117	0%	Rebuild HLS system (replace sensor pads?)	3 d	10/2/08	10/6/08	205,2		AEG
119	**46%**	**PROJECTS**						
120	**46%**	**TOP-OFF BOOSTER**						
121	**46%**	**Booster Kickers (Inject, Eject)**						
129	**7%**	**Pulser**						



Incomplete Tasks 46%

SSRL ACCELERATOR - 2008 SHUTDOWN - ESTIMATED END DATE **9/12/08**

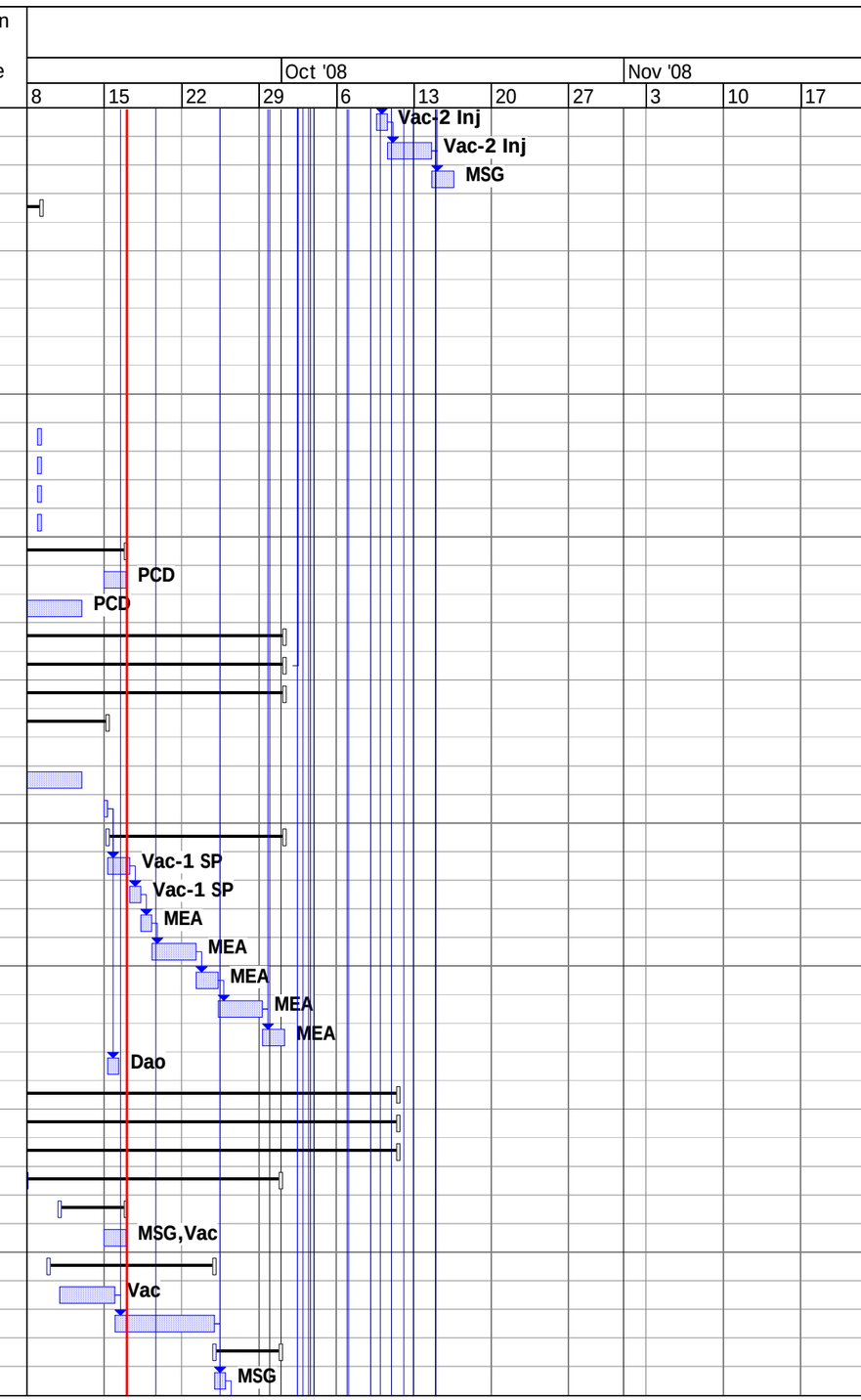
ID	% omplet	Task Name	Duration	Start	Finish	Prede	Project manager	Task person or shop responsible
130	0%	Install anciliary Chassis	10 d	4/18/08	8/18/08			
132	**0%**	**Drill floor anchors for Inj pulser**	**2 d?**	**9/5/08**	**9/8/08**			
133	0%	Scan for rebar	1 d?	9/5/08	9/5/08			
134	0%	Anchor drilling	1 d?	9/8/08	9/8/08	133,1		
135	0%	Install New Inj pulser	4 d	9/8/08	9/11/08	133		
136	0%	Connect Inj Cables	5 d	9/12/08	9/18/08	135		
137	0%	Connect Ej Cables	1 d?	9/19/08	9/19/08	136		
138	0%	test Inj Kicker	5 d	9/22/08	9/26/08	137		
139	0%	Test Ej Kicker	1 d?	3/1/07	3/1/07			
141	**14%**	**TOP-OFF BTS**						
143	**56%**	**Upstream BTS**						
144	**56%**	**G49 Location**						
149	0%	Leak check	1 d	9/16/08	9/16/08			
150	0%	Replace G49 lead	1 d	9/17/08	9/17/08	149		MSG
151	**58%**	**Stopper Location**						
154	0%	Install fast valve sensor	0.1 d	9/2/08	9/2/08	153	Nalls	
155	0%	Install fast valve sensor cable	1 d	9/2/08	9/3/08	154	Lessard	
156	**0%**	**Faraday Cup**						
157	0%	Install fast valve control cable	3 d	9/9/08	9/11/08			
158	0%	Remove shielding - down end faraday cup	0.5 d	9/10/08	9/10/08			
159	0%	Cut and replace alum/sst faraday cup flange	1 d	9/12/08	9/12/08			
160	0%	Install fast valve	0.5 d	9/15/08	9/15/08	159		
161	0%	Install ion pump/drift spools	0.5 d	9/15/08	9/15/08	160		
162	**0%**	**Q8 - Q9**	**2.5 d**	**9/10/08**	**9/12/08**			
163	0%	Cut Q9 and weld flange in-situ	1 d	9/10/08	9/10/08			
164	0%	Install bellows/pump port	0.25 d	9/12/08	9/12/08	163		
165	0%	Install ion pump	0.25 d	9/12/08	9/12/08	164		
166	**0%**	**Injection Raft**	**49.8 d**	**8/11/08**	**10/16/08**			
167	0%	Remove lead shielding off injection raft gantry frame	1 d	8/19/08	8/19/08			MSG
168	0%	Remove vacuum components and instrumentation	3 d	8/22/08	8/26/08	167FS-		Vac-2 Inj
169	0%	Install VAT valve panel	1 d	8/11/08	8/11/08			MSG
170	**0%**	**Injection Raft Upstream (to isolation valve)**	**5 d**	**9/9/08**	**9/15/08**			
171	0%	Install upstream BPM	0.3 d	9/15/08	9/15/08			Vac-2 Inj
172	0%	Install Bergoz inline toroid (fab spool)	0.3 d	9/15/08	9/15/08	171		Vac-2 Inj
173	0%	Pull cable for inline toroid	5 d	9/9/08	9/15/08			PCD
174	0%	Install shrt spool, cross, isolation valve (BTS-IV2)	0.3 d	9/15/08	9/15/08	172		Vac-2 Inj
175	**0%**	**Injection raft downstream**	**11.8 d**	**10/3/08**	**10/16/08**	**280**		
176	0%	Install new support frames	2 d	10/3/08	10/4/08	279		MSG
177	0%	Install quad spool (444-188-63)	0.3 d	10/6/08	10/6/08	176		Vac-2 Inj
178	0%	Install corrector spool	0.3 d	10/6/08	10/6/08	177		Vac-2 Inj
179	0%	Install cross	0.3 d	10/6/08	10/6/08	178		Vac-2 Inj
180	0%	Install profile monitor	0.3 d	10/6/08	10/7/08	179		Vac-2 Inj
181	0%	Install BPM	0.3 d	10/7/08	10/7/08	180		Vac-2 Inj
182	0%	Install stopper placeholder and pump (444-188-66)	0.3 d	10/7/08	10/7/08	181		Vac-2 Inj
183	0%	Alignment	2 d	10/7/08	10/9/08	182		AEG



Incomplete Tasks 46%

SSRL ACCELERATOR - 2008 SHUTDOWN - ESTIMATED END DATE 9/12/08

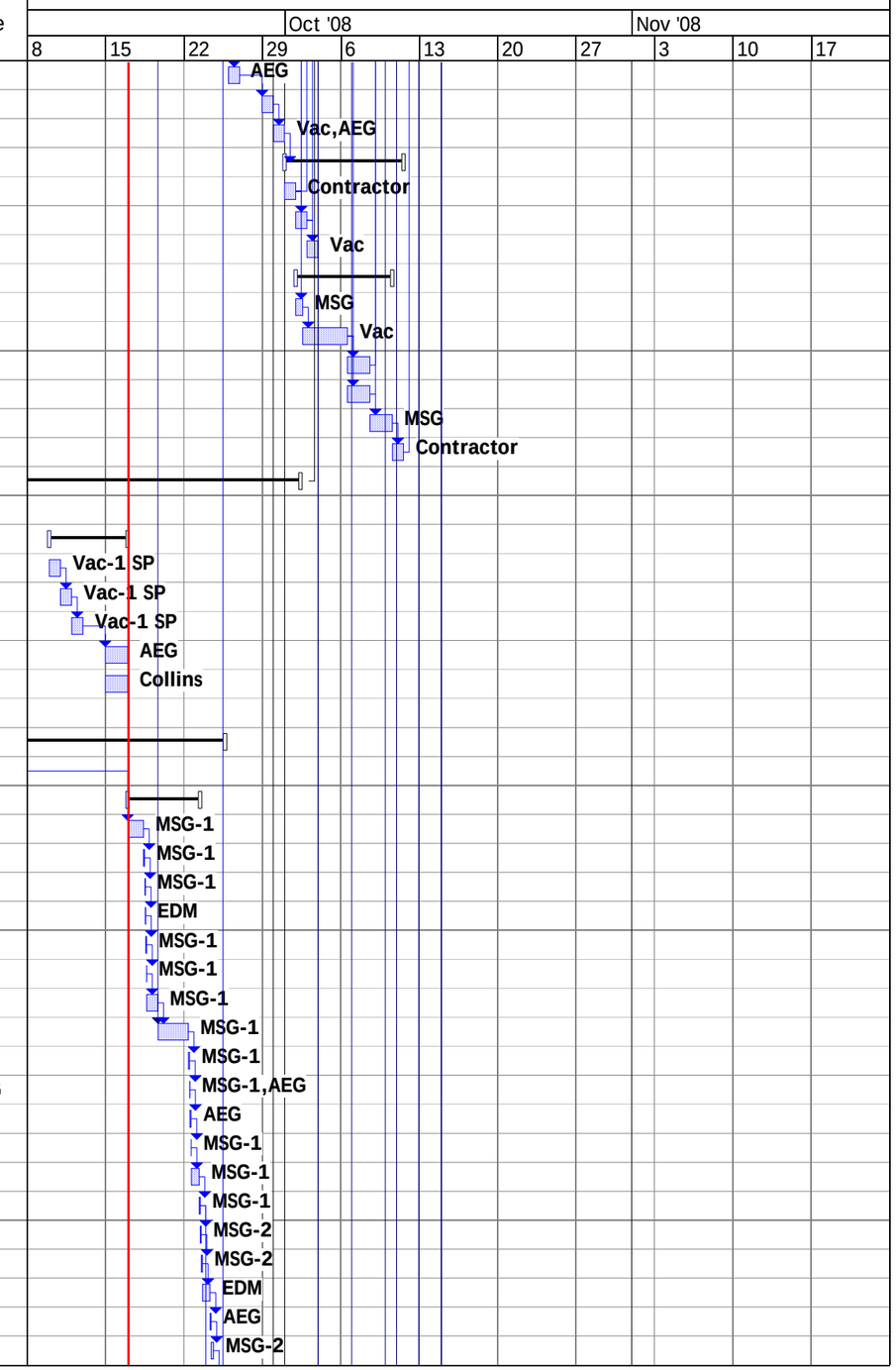
ID	% omplet	Task Name	Duration	Start	Finish	Prede	Project manager	Task person or shop responsible
184	0%	Install bellows inter-connects	1 d	10/9/08	10/10/08	183		Vac-2 Inj
185	0%	Pump down BTS (leak check)	3 d	10/10/08	10/14/08	184		Vac-2 Inj
186	0%	Install Shielding	2 d	10/14/08	10/16/08	185		MSG
187	**0%**	**VACUUM CONTROL SYSTEM**	**12.1 d?**	**8/21/08**	**9/9/08**			
188	**0%**	**B140 BTS Controls Rack**	**9 d?**	**8/21/08**	**9/3/08**			
189	0%	Install HV ion pump controllers in rack	1 d?	8/21/08	8/21/08			
190	0%	Move ion pump cables from Ctrl Rack to rack 105	1 d	9/3/08	9/3/08			PCD
191	0%	Install Ion gauge controllers in rack	1 d?	8/21/08	8/21/08			
192	0%	Install fast valves controls in rack	1 d?	8/21/08	8/21/08			
193	0%	Install isolation valve controls in rack	1 d?	8/21/08	8/21/08			
194	0%	Install control chassis	1 d?	8/21/08	8/21/08			
195	0%	Extend SPEAR MPS to B140 - Vacuum Controls Rack	0.1 d	9/9/08	9/9/08		Lessard	
196	0%	Interlock BTS-IV1 to stopper/ion gauges	0.1 d	9/9/08	9/9/08		Lessard	
197	0%	Interlock BTS-FS1 (to BTS and Booster gauges)	0.1 d	9/9/08	9/9/08			
198	0%	Interlock BTS-IV2 (to BTS, Booster gauges, and PPS)	0.1 d	9/9/08	9/9/08			
199	**30%**	**ELECTRICAL**	**18 d**	**8/21/08**	**9/16/08**			
201	0%	Pull ion gauge cable - Injection Raft to B118	2 d	9/15/08	9/16/08			PCD
202	0%	Pull fast shutter/sensor cables	5 d	9/8/08	9/12/08			PCD
204	**11%**	**SPEAR**						
205	**11%**	**BL13 EPU INSTALLATION**					**Ringwall**	
213	**0%**	**Offline**						
214	**0%**	**Noodle Frame EPU**						
215	0%	Noodle EPU field measurement	5 d	8/21/08	8/27/08		Ringwall	
216	0%	ADC field measurement	9 d	9/2/08	9/12/08		Ringwall	
217	*0%*	*Decision on EPU - ADC or Noodle Frame*	*0.1 hrs*	*9/15/08*	*9/15/08*			
218	**0%**	**EPU Installation**						
219	0%	EPU anchor setting - if required	2 d	9/15/08	9/17/08	217		Vac-1 SP
220	0%	Vacuum chamber/frame installation	1 d	9/17/08	9/18/08	219		Vac-1 SP
221	0%	Vac chb alignment	1 d	9/18/08	9/19/08	220		MEA
222	0%	EPU Installation	2 d	9/19/08	9/23/08	221		MEA
223	0%	EPU alignment	2 d	9/23/08	9/25/08	222		MEA
224	0%	Install EPU chb bellows	2 d	9/25/08	9/29/08	223		MEA
225	0%	Reinstall LCW flex lines ??	2 d	9/29/08	10/1/08	224		MEA
226	0%	Install EPU controls chassis in rack	1 d	9/15/08	9/16/08	217		Dao
228	**69%**	**TOP-OFF SPEAR**						
229	**85%**	**WINDOWLESS SEPTUM CHAMBER**						
247	**49%**	**Downtime Work**						
261	**27%**	**Septum raft - offline**						
264	**50%**	**Septum Magnet**	4 d	9/11/08	9/16/08			
267	0%	Install injection chamber and close septum magr	2 d	9/15/08	9/16/08	266		MSG,Vac
268	**9%**	**Septum Vacuum Chamber**	11 d	9/10/08	9/24/08			
270	0%	Prep chamber and weld adapter flange, leak che	3 d	9/11/08	9/15/08	269		Vac
271	0%	Bake chamber	7 d	9/16/08	9/24/08	270		
272	**0%**	**Re-assemble raft**	**4 d**	**9/25/08**	**9/30/08**			
273	0%	Install septum chamber onto magnet	1 d	9/25/08	9/25/08	271		MSG



Incomplete Tasks 46%

SSRL ACCELERATOR - 2008 SHUTDOWN - ESTIMATED END DATE **9/12/08**

ID	% omplet	Task Name	Duration	Start	Finish	Prede	Project manager	Task person or shop responsible
274	0%	Align chb	1 d	9/26/08	9/26/08	273		AEG
275	0%	Install kicker tank on to girder	1 d	9/29/08	9/29/08	274		
276	0%	Check kicker alignment	1 d	9/30/08	9/30/08	275		Vac,AEG
278	**0%**	**Install in SPEAR**	9.75 d	10/1/08	10/11/08	276		
279	0%	Install raft into 3S, making up blws to G4	1 d	10/1/08	10/1/08			Contractor
280	0%	Align raft	1 d	10/2/08	10/2/08	279		
281	0%	Interconnect bellows G3 to 3S	1 d	10/3/08	10/3/08	280		Vac
282	**0%**	**Injection Raft**	7.75 d	10/2/08	10/10/08			
283	0%	Reinstall gantry	0.75 d	10/2/08	10/2/08	279		MSG
284	0%	Install new vacuum chambers	3 d	10/2/08	10/6/08	283		Vac
285	0%	Pump down BTS	2 d	10/6/08	10/8/08	284		
286	0%	Pump down zone 1	2 d	10/6/08	10/8/08	284		
287	0%	Install lead shielding	2 d	10/8/08	10/10/08	286		MSG
288	0%	Reinstall cable tray/cables	1 d	10/10/08	10/11/08	287		Contractor
291	**0%**	**ELECTRON CLEARING MAGNETS - BL 1, 2, 8, 14**	**65.29 d**	**7/1/08**	**10/2/08**		**Dell'Orco**	
292	0%	Move thermocouples on exit port (4 chambers)	2 d	7/1/08	7/2/08		Ortiz	
293	**0%**	**MOVE BM1Z-SUPPORTS**	**5 d**	**9/10/08**	**9/16/08**		**Pak**	
294	0%	Change supports 4G (BL1)	1 d	9/10/08	9/10/08			Vac-1 SP
295	0%	Change supports 5G (BL2)	1 d	9/11/08	9/11/08	294		Vac-1 SP
296	0%	Change supports 7G (BL8)	1 d	9/12/08	9/12/08	295		Vac-1 SP
297	0%	Check alignment	2 d	9/15/08	9/16/08	296		AEG
298	0%	Move BL2 LCW Return Pipe (to go around ECD)	2 d	9/15/08	9/16/08		Ernst	Collins
299	0%	MOVE LCW ON V3 MASK - for all clearing magnets	2 d	7/9/08	7/10/08			
300	**0%**	**BL1**	**28.53 d**	**8/15/08**	**9/25/08**			
301	0%	Remove shadow wall shielding	4 hrs	8/15/08	8/15/08	211		MSG-2
302	**0%**	**Crane in place**	**4.42 d**	**9/17/08**	**9/23/08**			
303	0%	Setup and load test mobile crane	10 hrs	9/17/08	9/18/08	301		MSG-1
304	0%	Remove vac chb Z-sprt	0.25 d	9/18/08	9/18/08	303		MSG-1
305	0%	Disconnect magnet LCW	1 hr	9/18/08	9/18/08	304		MSG-1
306	0%	Disconnect magnet electrical	0.5 hrs	9/18/08	9/18/08	305		EDM
307	0%	Review lift plan, split quad	2.25 hrs	9/18/08	9/18/08	306		MSG-1
308	0%	Remove quad spacers	0.05 hrs	9/18/08	9/18/08	307		MSG-1
309	0%	Install clearing magnet support base	8 hrs	9/18/08	9/19/08	308		MSG-1
310	0%	Review lift plan, install clearing mag lower sections	2.25 hrs	9/19/08	9/22/08	309,4		MSG-1
311	0%	Rough align clearing mag lower sections	2 hrs	9/22/08	9/22/08	310		MSG-1
312	0%	Rough align/chamber clearance	0.25 hrs	9/22/08	9/22/08	311		MSG-1,AEG
313	0%	Final align clearing magnet	3 hrs	9/22/08	9/22/08	312		AEG
314	0%	Install new quad spacer	0.05 hrs	9/22/08	9/22/08	313		MSG-1
315	0%	Install quad top	2 hrs	9/22/08	9/23/08	314		MSG-1
316	0%	Remove mobile crane	2 hrs	9/23/08	9/23/08	315		MSG-1
317	0%	Install LCW manifold	1.5 hrs	9/23/08	9/23/08	316		MSG-2
318	0%	Install vac chb Z-sprt	0.3 d	9/23/08	9/23/08	317		MSG-2
319	0%	Install quad electrical	1.5 hrs	9/23/08	9/24/08	318		EDM
320	0%	Check quad alignment	2 hrs	9/24/08	9/24/08	319		AEG
321	0%	Install clearing magnet LCW	4 hrs	9/24/08	9/24/08	320		MSG-2



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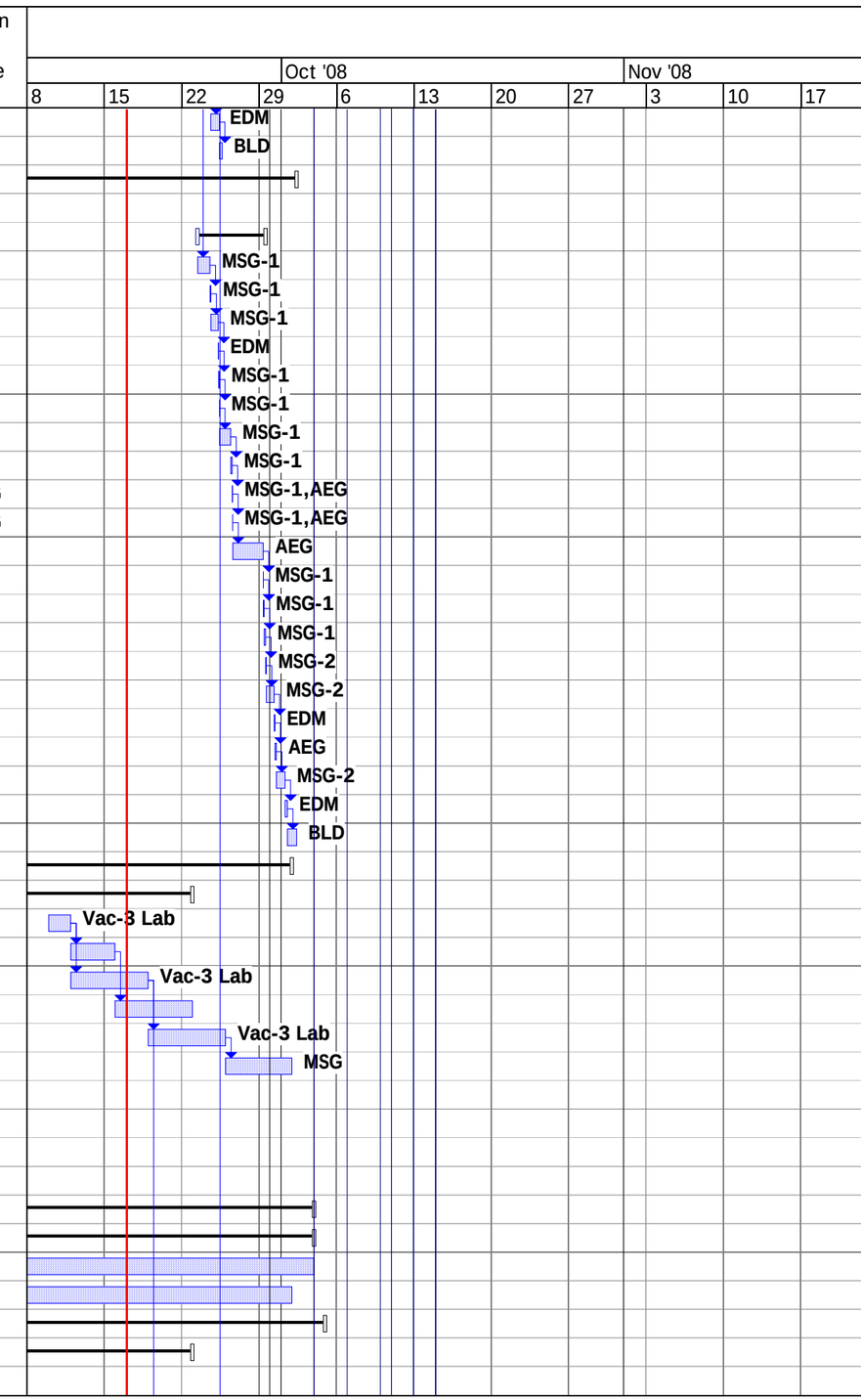
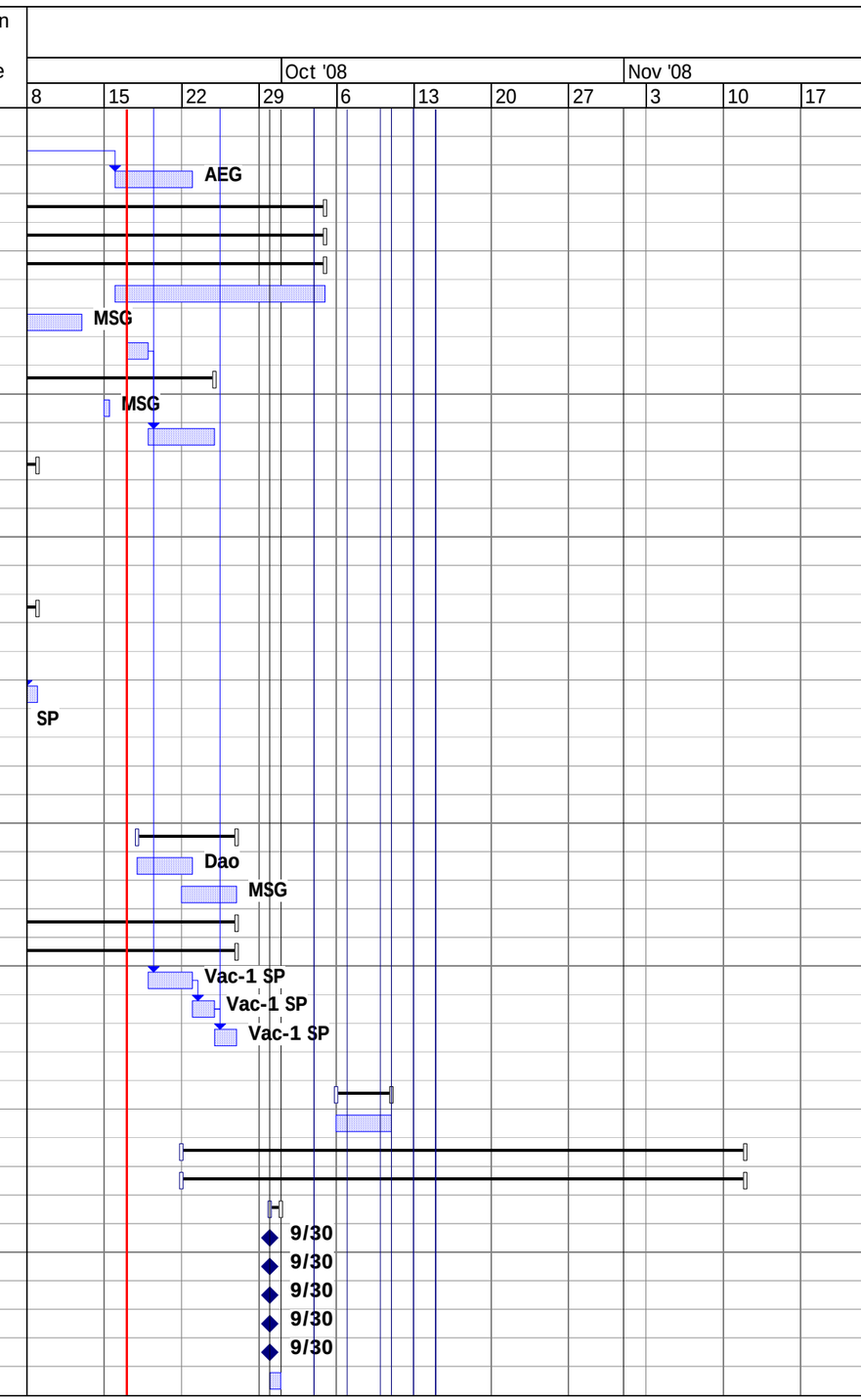
322	0%	Install clearing magnet electrical	4 hrs	9/24/08	9/25/08	321		EDM
323	0%	Install new shadow wall shielding	5 hrs	9/25/08	9/25/08	322		BLD
324	**0%**	**BL8**	**32.36 d**	**8/15/08**	**10/2/08**			
325	0%	Remove shadow wall shielding	4 hrs	8/15/08	8/18/08	301		MSG-2
326	**0%**	**Crane in place**	**4.33 d**	**9/23/08**	**9/29/08**			
327	0%	Setup and load test mobile crane	10 hrs	9/23/08	9/24/08	316		MSG-1
328	0%	Remove vac chb Z-sprt	0.25 d	9/24/08	9/24/08	327		MSG-1
329	0%	Disconnect magnet LCW	1 hr	9/24/08	9/25/08	328		MSG-1
330	0%	Disconnect magnet electrical	0.5 hrs	9/25/08	9/25/08	329		EDM
331	0%	Review lift plan, split quad	2.25 hrs	9/25/08	9/25/08	330		MSG-1
332	0%	Remove quad spacers	0.05 hrs	9/25/08	9/25/08	331		MSG-1
333	0%	Install clearing magnet support base	8 hrs	9/25/08	9/26/08	332		MSG-1
334	0%	Review lift plan, install clearing mag lower sections	2.25 hrs	9/26/08	9/26/08	333		MSG-1
335	0%	Rough align clearing mag lower sections	1 hr	9/26/08	9/26/08	334		MSG-1,AEG
336	0%	Rough align/chamber clearance	0.5 hrs	9/26/08	9/26/08	335		MSG-1,AEG
337	0%	Final align clearing magnet	3 hrs	9/26/08	9/29/08	336		AEG
338	0%	Install new quad spacer	0.05 hrs	9/29/08	9/29/08	337		MSG-1
339	0%	Install quad top	2 hrs	9/29/08	9/29/08	338		MSG-1
340	0%	Remove mobile crane	2 hrs	9/29/08	9/29/08	339		MSG-1
341	0%	Install LCW manifold	1.5 hrs	9/29/08	9/29/08	340		MSG-2
342	0%	Install vac chb z sprt	0.3 d	9/29/08	9/30/08	341		MSG-2
343	0%	Install quad electrical	1.5 hrs	9/30/08	9/30/08	342		EDM
344	0%	Check quad alignment	2 hrs	9/30/08	9/30/08	343		AEG
345	0%	Install clearing magnet LCW	4 hrs	9/30/08	10/1/08	344		MSG-2
346	0%	Install clearing magnet electrical	4 hrs	10/1/08	10/1/08	345		EDM
347	0%	Install new shadow wall shielding	5 hrs	10/1/08	10/2/08	346		BLD
350	**28%**	**V1 MASKS (BLs 7, 10, 9, 6, 5, 11, 4, 13MCB, 12 MCA)**	**33 d**	**8/15/08**	**10/1/08**		**Scott**	
355	**26%**	**OFFLINE**	**15 d**	**9/2/08**	**9/22/08**			
358	0%	Weld/lk chk/bake zone 2, 3 masks	2 d	9/10/08	9/11/08	357		Vac-3 Lab
359	0%	Weld/lk chk/bake zone 1, 4 masks	2 d	9/12/08	9/15/08	358		
360	0%	Bake zone 2, 3 masks	5 d	9/12/08	9/18/08	358		Vac-3 Lab
361	0%	Bake zone 1, 4 masks	5 d	9/16/08	9/22/08	359		
362	0%	Install all masks	5 d	9/19/08	9/25/08	360		Vac-3 Lab
363	0%	LCW hookup - all masks	4 d	9/26/08	10/1/08	362		MSG
365	**0%**	**BEAMLINE WORK**	**1 d?**	**8/11/08**	**8/11/08**			
366	**0%**	**BL14**	**1 d?**	**8/11/08**	**8/11/08**			**Vac-4 BLD**
367	0%	..	1 d?	8/11/08	8/11/08			
368	0%	..	1 d?	8/11/08	8/11/08			
370	**0%**	**FACILITIES**	**39 d**	**8/11/08**	**10/3/08**			
371	**0%**	**SSRL Chiller Upgrade**	**34 d**	**8/18/08**	**10/3/08**			
372	0%	Details to be added	34 d	8/18/08	10/3/08			
373	0%	B120 Seismic retrofit	37 d	8/11/08	10/1/08		Choi	
375	**57%**	**SYSTEM MAINTENANCE**	**153 d?**	**3/1/08**	**10/4/08**			
376	**73%**	**RING SURVEY AND ALIGNMENT**	**27 d?**	**8/14/08**	**9/22/08**		**LeCocq**	
377	95%	Levelling	9 d	8/14/08	8/26/08			AEG



Incomplete Tasks 46%

SSRL ACCELERATOR - 2008 SHUTDOWN - ESTIMATED END DATE **9/12/08**

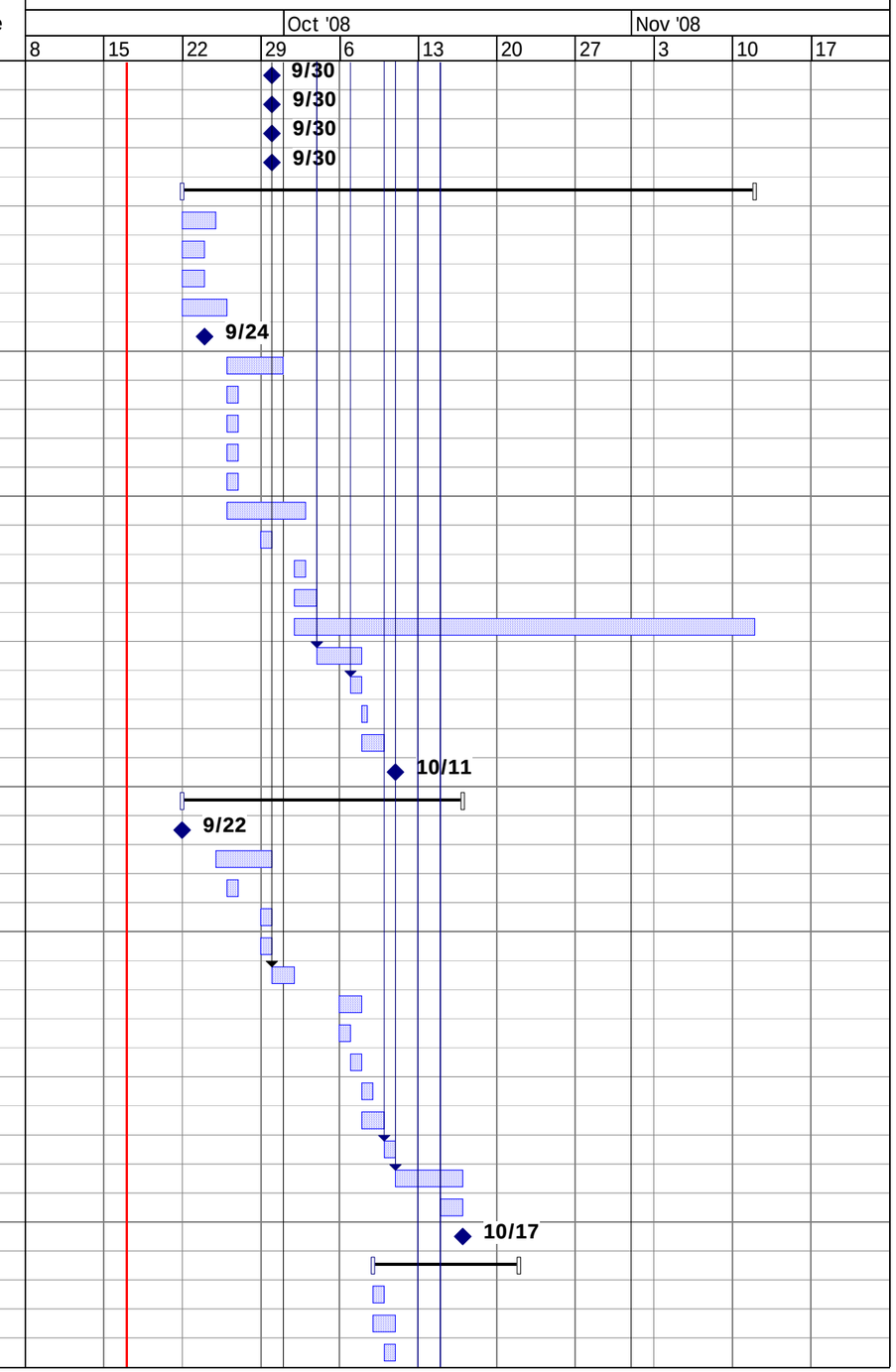
ID	% Complet	Task Name	Duration	Start	Finish	Prede	Project manager	Task person or shop responsible
378	70%	Tie-in to beamlines	1 d?	8/27/08	8/27/08	377		
379	95%	Mapping	8 d	8/20/08	8/29/08			AEG
380	0%	Magnet moves	5 d	9/16/08	9/22/08	379FS		AEG
381	**54%**	**Mechanical**	**153 d**	**3/1/08**	**10/4/08**			
382	**46%**	**Injector Preventive Maintenance:**	**35 d**	**8/18/08**	**10/4/08**		**Ernst**	
383	**44%**	**LCW Maintenance**	**35 d**	**8/18/08**	**10/4/08**			
384	0%	Flow control - re-tubing	15 d	9/16/08	10/4/08			
385	50%	TCW - pump seal repair	17 d	8/20/08	9/12/08			MSG
391	0%	Flow checks, MPS verification (2 Days)	2 d	9/17/08	9/18/08			
392	**47%**	**SPEAR Preventive Maintenance:**	**24 d**	**8/21/08**	**9/24/08**		**Ernst**	
397	0%	LCW turn ON	0.5 d	9/15/08	9/15/08			MSG
398	0%	Flow checks, MPS verification (4 Days)	4 d	9/19/08	9/24/08	391		
403	**57%**	**Vacuum Maintenance**	**13 d?**	**8/20/08**	**9/8/08**			
404	**62%**	**Zone 1 - QFC Spacers (G2, G3)**	**6.5 d**	**8/25/08**	**9/3/08**			
407	0%	Re-install corrector magnets	2 d	8/29/08	9/2/08	406		MSG
408	0%	Check magnet alignment	0.5 d	9/3/08	9/3/08	407		MEA
410	0%	Replace ion gauge tube on Cavity D	1 d	8/21/08	8/21/08	409		Vac-1 SP
412	**21%**	**Bergoz NPCT**	**8 d**	**8/27/08**	**9/8/08**		**Martin**	
413	50%	Install Bergoz NPCT	1.5 d	8/27/08	8/28/08		Pak	Vac-1 SP
414	0%	Run cable to B132	1 d	8/28/08	8/29/08	413	Martin	
415	0%	Install Bergoz chassis	1 d	9/8/08	9/8/08	414		
416	0%	Pump down zone 5	1 d	8/29/08	9/2/08	414		Vac-1 SP
417	**33%**	**BL 3- remove termination cap**	**3 d**	**8/22/08**	**8/26/08**			
420	0%	Install plug mask	1 d	8/25/08	8/26/08	419		Vac-1 SP
421	0%	Connect LCW	0.5 d	8/26/08	8/26/08	420		
423	**0%**	**INSERTION DEVICES**	**7 d**	**9/18/08**	**9/26/08**			
424	0%	ID checks - electrical	3 d	9/18/08	9/22/08			Dao
425	0%	ID checks - mechanical	5 d	9/22/08	9/26/08			MSG
435	**0%**	**END of DOWN TASKS**	**18.5 d?**	**9/2/08**	**9/26/08**			
436	**0%**	**PUMPDOWNS**	**18.5 d?**	**9/2/08**	**9/26/08**			**Vac-1 SP**
437	0%	Zone 2	2 d	9/19/08	9/22/08	360		Vac-1 SP
438	0%	Zone 3	2 d	9/23/08	9/24/08	437		Vac-1 SP
439	0%	Zone 4	2 d	9/25/08	9/26/08	438		Vac-1 SP
440	0%	Zone 5	1 d?	9/2/08	9/3/08	416		
442	**0%**	**TRANSITION WEEK**	**5 d**	**10/6/08**	**10/10/08**			
443	0%	Final magnet moves	5 d	10/6/08	10/10/08			
445	**0%**	**STARTUP**	**43 d?**	**9/22/08**	**11/11/08**			
446	**0%**	**PRE-REQUISITES**	**43 d?**	**9/22/08**	**11/11/08**			
447	**0%**	**Project Completion**	**1 d?**	**9/30/08**	**9/30/08**			
448	*0%*	*BL13 EPU*	*0 d*	*9/30/08*	*9/30/08*			
449	*0%*	*SPEAR Septum Vac Chb*	*0 d*	*9/30/08*	*9/30/08*			
450	*0%*	*BTS Transport Line*	*0 d*	*9/30/08*	*9/30/08*			
451	*0%*	*Booster Kickers*	*0 d*	*9/30/08*	*9/30/08*			
452	*0%*	*SPEAR Survey and Alignment*	*0 d*	*9/30/08*	*9/30/08*			
453	0%	Magnet polarity checks	1 d?	9/30/08	9/30/08			



Incomplete Tasks 46%

SSRL ACCELERATOR - 2008 SHUTDOWN - ESTIMATED END DATE **9/12/08**

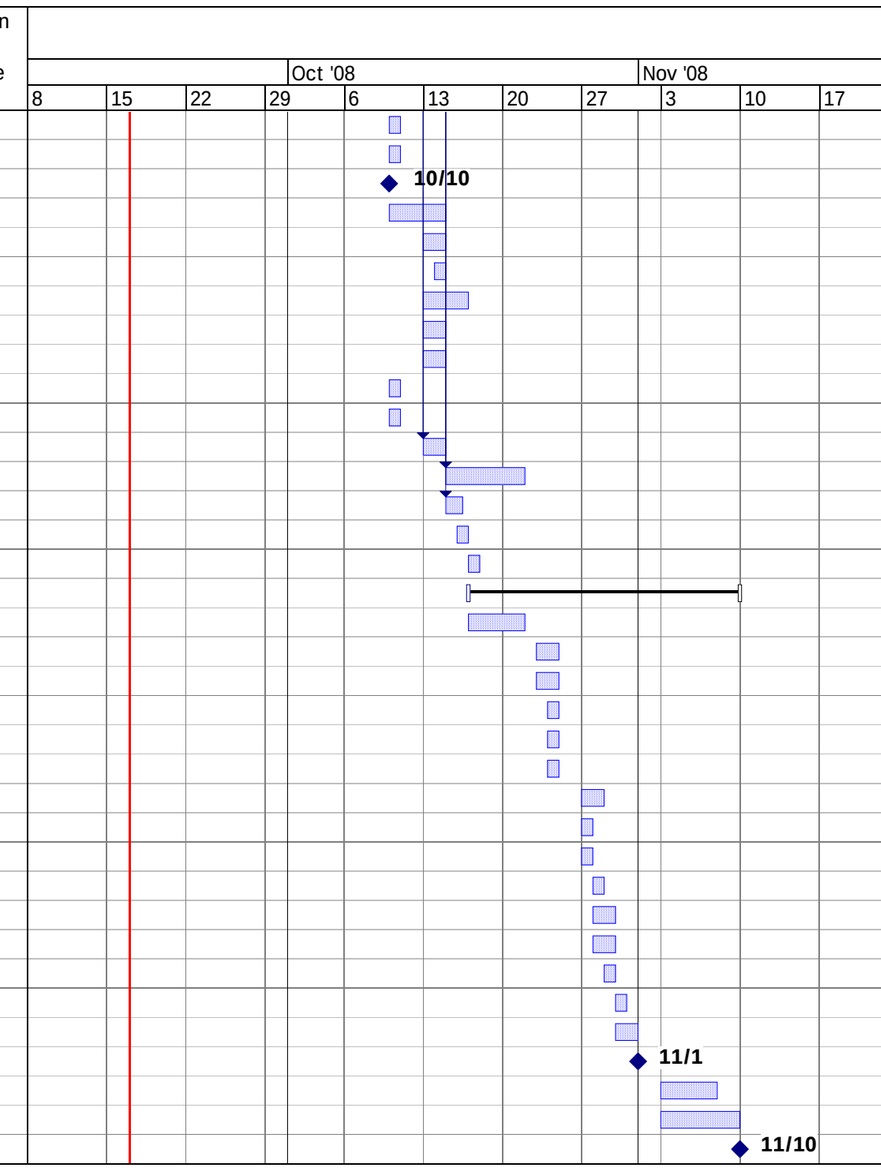
ID	% Complet	Task Name	Duration	Start	Finish	Prede	Project manager	Task person or shop responsible
454	**0%**	**Systems Completion**	**0 d**	**9/30/08**	**9/30/08**			
455	*0%*	*Shielding in place*	*0 d*	*9/30/08*	*9/30/08*			
456	*0%*	*LCW TURN-ON*	*0 d*	*9/30/08*	*9/30/08*			
457	*0%*	*ID Checkouts*	*0 d*	*9/30/08*	*9/30/08*			
459	**0%**	**LINAC & LTB**	**43 d?**	**9/22/08**	**11/11/08**			
460	0%	LCW ON	3 d	9/22/08	9/24/08		Ernst	
461	0%	Control system ready	2 d	9/22/08	9/23/08			
462	0%	MPS ready for system tests	2 d	9/22/08	9/23/08			
463	0%	Other - MPS <- Alpha -I, Peaking strip, feedbacks, etc	4 d?	9/22/08	9/25/08			
464	*0%*	*Provide Linac BAS.*	*0 d*	*9/24/08*	*9/24/08*		*Padilla*	
465	0%	BAS Checks and pre-run checks	3 d	9/26/08	9/30/08		Ops	
466	0%	ACM checks (No Beam)	1 d	9/26/08	9/26/08		Schmerge	
467	0%	BSOIC's Checks	1 d	9/26/08	9/26/08		OHP	
468	0%	Prep PS's for PPS Cert.	1 d	9/26/08	9/26/08		Rafael	
469	0%	Prep RF for PPS Cert.	1 d	9/26/08	9/26/08		Schmerge	
470	0%	Heat and smoke detectors for the linac	5 d	9/26/08	10/2/08			
471	0%	PPS Certification	1 d	9/29/08	9/29/08		Horton	
472	0%	Check Alpha-I MPS interlock	1 d	10/2/08	10/2/08			
473	0%	PS's Itlk and power Checks	2 d	10/2/08	10/3/08		Rafael	
474	0%	RF Itlk and pwr checks	35 d	10/2/08	11/11/08		Schmerge	
475	0%	Process Linac (Beam)	3 d	10/4/08	10/7/08	15,16	Ops,Schmerge	
476	0%	Tune Modulators	1 d	10/7/08	10/7/08	17FS-1		
477	0%	Rad survey Linac	0.5 d	10/8/08	10/8/08		RP,OHP	
478	0%	ACM Cert. (with beam)	2 d	10/8/08	10/9/08		Schmerge	
479	*0%*	*BEAM to Booster*	*0 d*	*10/11/08*	*10/11/08*		*Ops*	
481	**0%**	**BOOSTER & BTS**	**21 d**	**9/22/08**	**10/17/08**			
482	*0%*	*Provide Booster BAS*	*0 d*	*9/22/08*	*9/22/08*		*Padilla*	
483	0%	BAS Checks and pre-run checks	3 d	9/25/08	9/29/08		Ops	
484	0%	BCS (BSOIC's) Checks	1 d	9/26/08	9/26/08		OHP	
485	0%	Prep PSs for PPS Cert.	1 d	9/29/08	9/29/08		Rafael	
486	0%	Prepare RF for PPS Cert	1 d	9/29/08	9/29/08		Park	
487	0%	PPS Certification	2 d	9/30/08	10/1/08	42,37,	Horton	
488	0%	Kicker Tests & Timing	2 d	10/6/08	10/7/08		Rafael	
489	0%	Heat & Smoke det test	1 d	10/6/08	10/6/08		Ortiz	
490	0%	358 RF interlock Tests	1 d	10/7/08	10/7/08		Park	
491	0%	358 RF Processing	1 d	10/8/08	10/8/08	46	Park	
492	0%	PS's Itlk and Power Tests	2 d	10/8/08	10/9/08	36	Rafael	
493	0%	Controls Checks	1 d	10/10/08	10/10/08	48FS-1		
494	0%	Establish Booster Beam	5 d	10/11/08	10/16/08	45,49	Ops,Safranek	
495	0%	Injector Rad. Survey	2 d	10/15/08	10/16/08		RP,OHP	
496	*0%*	*Beam to SPEAR*	*0 d*	*10/17/08*	*10/17/08*	*50*	*Ops*	
498	**0%**	**SPEAR Startup 2008**	**10 d**	**10/9/08**	**10/21/08**			
499	0%	Provide SPEAR BAS	1 d	10/9/08	10/9/08		Padilla	
500	0%	Kicker Readiness Checks	2 d	10/9/08	10/10/08		Rafael	
501	0%	control system ready	1 d	10/10/08	10/10/08		Wermelskirchen	



Incomplete Tasks 46%

SSRL ACCELERATOR - 2008 SHUTDOWN - ESTIMATED END DATE **9/12/08**

ID	% Complet	Task Name	Duration	Start	Finish	Prede	Project manager	Task person or shop responsible
502	0%	MPS ready for system tests	1 d	10/10/08	10/10/08		Lessard	
503	0%	Close rolling blocks	1 d	10/10/08	10/10/08		Kerr	
504	*0%*	*Ring doors closed (4 pm)*	*0 d*	*10/10/08*	*10/10/08*		*Kerr,Ops*	
505	0%	BAS Checks	4 d	10/10/08	10/14/08		Ops	
506	0%	BCS (BSOIC's) Checks	2 d	10/13/08	10/14/08		RPFO	
507	0%	Hi Pot and Polarity measurements	1 d	10/14/08	10/14/08		Terebilo,Huang,F	
508	0%	General ID checks	4 d	10/13/08	10/16/08		Ernst	
509	0%	LCW flow checks, check to MPS (SPEAR All)	2 d	10/13/08	10/14/08		Ernst	
510	0%	MPS readiness checks	2 d	10/13/08	10/14/08		Lessard	
511	0%	Prepare PSs for PPS Cert.	1 d	10/10/08	10/10/08		Rafael	
512	0%	Prepare RF for PPS Cert.	1 d	10/10/08	10/10/08		Park	
513	0%	PPS Cert., PSs and RF	2 d	10/13/08	10/14/08	15,16	Horton	
514	0%	PS's Intlk & Pwr tests	5 d	10/15/08	10/21/08	17,4,1	Rafael	
515	0%	RF checks & process	1.5 d	10/15/08	10/16/08	17,4	Park	
516	0%	BTS ACM Certification (no beam)	1 d	10/16/08	10/16/08		Schmerge	
517	0%	Global PPS certification	1 d	10/17/08	10/17/08		Horton	
519	**0%**	**Configuration Development**	**20 d**	**10/17/08**	**11/10/08**			
520	0%	Develop Injection(<18mA)	3 d	10/17/08	10/21/08		Ops,Safranek	
521	0%	QMS	2 d	10/23/08	10/24/08		Terebilo	
522	0%	LOCO	2 d	10/23/08	10/24/08		Huang	
523	0%	Orbit interlock	1 d	10/24/08	10/24/08		Terebilo	
524	0%	current interlock tests (start of 100mA)	1 d	10/24/08	10/24/08	42	Martin	
525	0%	BL12 Interlock Verification	1 d	10/24/08	10/24/08	42	Rarback	
526	0%	Misc and Scrub 100mA	2 d	10/27/08	10/28/08		Ops	
527	0%	Match kicker bump	1 d	10/27/08	10/27/08		Safranek	
528	0%	FOFB set up	1 d	10/27/08	10/27/08		Terebilo	
529	0%	Dynamic aperture meas.	1 d	10/28/08	10/28/08		Safranek	
530	0%	Radiation Measurements	2 d	10/28/08	10/29/08		RP	
531	0%	AP final checks	2 d	10/28/08	10/29/08		Safranek	
532	0%	BL13 Trim and quad tabel checks	1 d	10/29/08	10/29/08		Terebilo,Rarback	
533	0%	Verify Curmon Mods	1 d	10/30/08	10/30/08		Rarback	
534	0%	BLs set up	2 d	10/30/08	10/31/08		B Johnson	
535	*0%*	*Flash TSPs, scrub*	*0 d*	*11/1/08*	*11/1/08*		*Ops*	
536	0%	BLA Chks & Rad Surveys	5 d	11/3/08	11/7/08	58	Padilla	
537	0%	Beamline commissioning	7 d	11/3/08	11/9/08			
538	*0%*	*Deliver Beam to users (6am)*	*0 d*	*11/10/08*	*11/10/08*			



Incomplete Tasks 46%