

SSRL ACCELERATOR - 2006 SHUTDOWN SCHEDULE

9/28

ID	%	Task Name	Duration	Start	Finish	Preced	Project manager	Task person or shop responsible	Shift, Form Req'd, Safety Analysis	Calendar							
										October							Novemb
										9/18	9/25	10/2	10/9	10/16	10/23	10/30	
1	67%	SHUTDOWN															
2	58%	MILESTONES															
3	10%	SLAC															
4	10%	PEPII DOWN	98 d	8/21	12/21				-	[Bar spanning 8/21 to 12/21]							
5	76%	SSRL															
10	0%	SPEAR LOCKUP	0 d	10/2	10/2				-			◆					
11	0%	BEAM TO USERS	0 d	10/30	10/30				-								◆
12	0%	BEAMLINE COMMISSIONING	6 d	10/30	11/6				-								[Bar 10/30-11/6]
13	71%	UTILITIES	44 d	8/6	10/3												
22	0%	POWER - CT404 OFF	32 d	8/22	10/3				-	[Bar 8/22 to 10/3]							
23	0%	POWER - 230 KV Power OFF	25 d	8/28	9/29				-	[Bar 8/28 to 9/29]							
27	27%	INJECTOR	95.13 d	6/7	10/11												
29	47%	LINAC - RF Isolator & Alpha Chamber	47.13 d	8/11	10/11		Schmerge										
31	19%	Connect K3 to Linac 3	39.13 d	8/23	10/11	30											
35	0%	Control System	27.13 d	9/11	10/11												
36	0%	Install new analog fan in/out chss in Rck 106A	2 d	9/26	9/27			Ortiz				[Bar]					
37	0%	Install cables to connect ANAFI/FO to controls	2 d	9/26	9/27			Ortiz				[Bar]					
38	0%	Connect ANAFO to K2 & K3 attn, K3 phase shif	2 d	9/26	9/27			Wachter				[Bar]					
39	0%	Connect ANAFO to K2, K3 maxwell supply	2 d	9/26	9/27			Wachter				[Bar]					
40	0%	Connect dm/ds cables to K3 maxwell	2 d	9/28	9/29	39		Ortiz				[Bar]					
41	0%	Software updates	3 d	10/1	10/3	40		Clem				[Bar]					
42	0%	Additional signal cables	2 d	10/4	10/5	41		Clem				[Bar]					
43	0%	Connect BCS to K3 modulator	2 d	10/6	10/7	42		Wachter				[Bar]					
44	0%	Test system	4 d	10/8	10/11	43		Schmerge				[Bar]					
45	0%	WG03-IG-1	0 d	9/11	9/11												
46	0%	Move WG03IG1 ig controller to new rack	0 d	9/11	9/11			Nalls									
47	0%	Instll cable - WG03IG1 IG cntrlr to SSRL MF	0 d	9/11	9/11			Horton									
48	0%	Add WG03IG1 to MPS software, dwnld new	0 d	9/11	9/11			Horton									
49	0%	Add WG03IG1 to SSRL startup checkout list	0 d	9/11	9/11			Nalls									
50	0%	Remove WG03IG1 from the GTF MPS	0 d	9/11	9/11			Horton									
51	0%	Rem WG03IG1 from GTF startup checkout l	0 d	9/11	9/11			Nalls									
70	0%	Bake gun	5 d	9/22	9/29	67		Vac				[Bar]					
71	0%	Replace quads, reconnect LCW	1 d	9/29	10/1	70						[Bar]					
72	33%	Remove GTF Linac section	20 d	8/21	9/15												
76	0%	Remove linac section and replace w/ spool	4 d	9/11	9/14	75			Lift plan								
77	0%	Replace toroid	2 d	9/15	9/15	76											
78	0%	Shielding	3 d	9/12	9/14												
79	0%	5" Shielding Over Chopper	3 d	9/12	9/14												
80	0%	Seismic analysis	3 d	9/12	9/14												
81	98%	BTS	29.9 d	8/14	9/22												
82	98%	REPLACE EJECTION SEPTUM CHAMBER	29.9 d	8/14	9/22		Armenta, Sc										
97	75%	Test profile monitor screen controls	2 d	9/20	9/22	96		MSG				[Bar]					

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100	9%	TUNNEL VENTILATION	45 d	7/25	9/22		bs/dd	MSG, Contr									
109	0%	CORRECTIVE ACTIONS (POSTPONED)	60 d	6/7	8/28				-								
119	76%	SPEAR	#####	3/14	12/18												
120	76%	BL12	#####	3/14	12/18												
121	88%	<i>Pre-Down Tasks</i>	147.63 d?	3/14	10/3												
122	0%	<i>Power supplies</i>	110 d	4/25	9/22		Rafael		-								
123	0%	<i>Dipole power supply, instrumentation purchase</i>	22 w	4/25	9/22												
124	98%	<i>Magnet</i>	146.63 d?	3/15	10/3		Dell'Orco										
133	97%	<i>Dipole</i>	146.63 d?	3/15	10/3												
141	60%	Chicane2006_Dipoles	17.5 d?	9/8	10/3												
6	0%	CD4 completion	3 d	9/25	9/28	16											
7	0%	CD1 completion	4 d	9/27	10/3	19											
16	0%	CD4-2 Mag Meas	2 d	9/21	9/25	15,13											
17	0%	CD1 Assembly	3 d	9/11	9/13												
18	0%	CD1 Fiducialization	2 d	9/14	9/15	17											
19	0%	CD1-0 Mag Meas	2 d	9/25	9/27	18,16											
187	56%	Downtime	#####	5/11	12/18												
216	71%	Large Equipment Installation	26.13 d	8/31	10/4												
223	0%	Install CD4	1 d	9/29	9/29			MSG	Lift plan								
224	0%	Install CD1	1 d	10/3	10/3	223		MSG	Lift plan								
225	0%	Alignment checks of dipoles	1 d	10/4	10/4	224		MEA,MSG	-								
226	0%	Mechanical installation complete	0 d	10/4	10/4	221,225			-								
227	0%	Install lead shielding in 34Q	1 d	10/2	10/2			MSG	-								
228	0%	MPS	5 d	9/5	9/11		Lessard										
229	0%	TCs - addition of 16 channels	5 d	9/5	9/11												
230	41%	Vacuum System	25.13 d	8/21	9/22												
235	0%	Front end installation	10 d	8/21	9/1		Peck	Vac	-								
237	0%	Front end pneumatics & LCW	3 d	9/7	9/11	236	MSG		-								
239	83%	Cabling	168.13 d	5/11	12/18		Widmeyer	Contractor									
253	82%	Cable Tray Construction	97.13 d	8/17	12/18												
256	81%	Electrical	95.13 d	8/21	12/18	255											
286	49%	Install Cable	14.4 d	8/21	9/11												
287	0%	B118	3 d	8/21	8/23			subcontractor									
288	0%	<i>Install Ethernet cables to PS controllers</i>	1 d	8/21	8/21			Subcontractor	-								
289	0%	<i>Label and test cables</i>	1 d	8/22	8/22	288			-								
290	0%	<i>Turnover</i>	1 d	8/23	8/23	289			-								
291	29%	B116 to 09S	7 d	8/22	8/30	288		subcontractor									
293	0%	<i>install ID control cables</i>	5 d	8/22	8/28			Subcontractor	-								
294	0%	<i>install MPS and Temperature Monitoring</i>	5 d	8/22	8/28			Subcontractor	-								
295	0%	<i>Label and test cables</i>	1 d	8/29	8/29	294			-								
296	0%	<i>Turnover</i>	1 d	8/30	8/30	295			-								
297	40%	SPEAR Ring separate magnet string	5 d	8/28	9/1			Subcontracto									

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										9/18	9/25	10/2	10/9	10/16	10/23	10/30	
299	0%	Label cables and splices	1 d	8/30	8/30	298		Subcontractor	-								
300	0%	Label and test cables	1 d	8/31	8/31	299			-								
301	0%	Turnover	1 d	9/1	9/1	300			-								
302	85%	Long Haul to East	13.4 d	8/21	9/8			Subcontractor									
312	0%	Label and test cables	1 d	9/6	9/7	311			-								
313	0%	Turnover	1 d	9/7	9/8	312			-								
316	0%	Subcontract Close-out	0 d	10/4	10/4			mw/ca	-			◆ 10/4					
317	0%	Completion of Cable contract	0 d	10/6	10/6			MW	-			◆ 10/6					
318	0%	Pull MPS, PPS Front End Cables	5 d	8/24	8/30		?? Peck		-								
319	20%	Facilities	114.13 d	6/7	10/30												
320	20%	Facility repair items	114.13 d	6/7	10/30												
324	0%	B130 Final Phase Build Out - AMEP	68 d	7/7	10/6				as needed								
325	0%	B130 Final Phase Office Furniture installati	18 d	10/13	10/30				as needed								
326	0%	B120 Addressable Fire Alarm sytem and Ox	30 d	9/18	10/20				as needed								
328	0%	B118 HVAC Unit Installation	27 d	9/15	10/15				as needed								
329	97%	VACUUM	39.13 d	8/7	9/28												
341	50%	SLM	1 d	9/26	9/26							◆					
343	0%	Re-align SLM absorber -0.03" towards SSRL	1 d	9/26	9/26		Vac, Corbet		-								
349	53%	Alignment	12 d	9/19	10/3							◆					
351	90%	Mapping	7 d	9/19	9/27				-								
352	0%	Magnet moves	5 d	9/28	10/3	351			-								
353	71%	MECHANICAL	36.13 d	8/15	10/2												
354	78%	LCW System	36.13 d	8/15	10/2		Ernst	MSG									
355	50%	BL12 Front End LCW	4 d	9/11	9/14												
361	0%	SPEAR LCW ON	1 d	9/27	9/27												
362	0%	SPEAR LCW Flow Checks	4 d	9/28	10/2	361											
363	0%	Close E Equipment Access Door	1 d	9/27	9/27			Riggers									
364	0%	Close rolling door blocks	2 d	9/27	9/28			BLOPS									
366	0%	Startup Checks	10 d	9/18	9/29												
367	0%	Vacuum	10 d	9/18	9/29												
373	71%	<i>ESG-Plan</i>	96.4 d?	6/2	10/16												
1	98%	2006 Shutdown Schedule	41 d?	8/7	10/2												
3	0%	SPEAR LockUp	1 d	9/29	9/29												
5	94%	RF	72 d	6/12	9/19			S. Park									
13	0%	Inspect and lube Booster RF cavity movable tune	1 d	9/18	9/18			S. Park,MSG									
17	76%	Electron Beam Instrumentation	91 d?	6/6	10/10			D. Martin									
18	73%	SSRL/SPEAR 09S BPM Cable Fab & Installation	65 d?	6/27	9/25												
22	0%	Second end termination shall be installed after	4 d	9/20	9/25	21		D. Martin,F									
23	42%	SSRL/LTB (Linac-To-Booster) BPM Cable Fab &	57 d	7/24	10/10												
26	20%	Installation LTB BPM Cables	3 d	9/20	9/22			Contractor									
27	0%	Phase Match LTB Cables	5 d	9/25	9/29	26		D. Martin									
28	0%	Second end termination shall be installed after	7 d	10/2	10/10	27		D. Martin,F									

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29	57%	SSRL/Booster Tune-Monitor/ BPM Cable Fab & I	56 d	7/24	10/9												
32	80%	Installation Tune Monitor Cables	3 d	9/20	9/22			Contractor									
33	0%	Phase Match Tune Monitor Cables	5 d	9/25	9/29			D. Martin									
34	0%	Second end termination shall be installed after	6 d	10/2	10/9	33		D. Martin,F									
35	48%	SSRL/BTS (Booster-To-SPEAR) BPM#5 Cable Fak	56 d	7/24	10/9												
38	0%	Installation BTS Cables	3 d	9/20	9/22			Contractor									
39	0%	Phase Match BTS Cables	5 d	9/25	9/29	38		D. Martin									
40	0%	Second end termination shall be installed after	6 d	10/2	10/9	39		D. Martin,F									
45	66%	SPEAR 09S BPM System Installation	20 d	9/11	10/6												
46	80%	Install SPEAR 09S BPM System Installation	20 d	9/11	10/6			J. Wachter									
47	25%	Phase Check SPEAR 09S BPM System Installatio	3 d	10/2	10/4			J. Wachter									
48	25%	Long-Haul Connect SPEAR 09S BPM System Ins	4 d	9/21	9/26			J. Wachter									
55	44%	SPEAR BPM System Maintenance	39 d	8/15	10/6												
56	0%	Air Filters SPEAR BPM System	3 d	10/4	10/6	2SS		D. Martin,F									
58	0%	Fan Cleaning SPEAR BPM System	2 d	8/21	8/22	57											
61	0%	SPEAR BPM VME Crate Installation	1 d	10/10	10/10												
62	0%	Installation SPEAR BPM VME Crate	1 d	10/10	10/10			D. Martin,S									
63	0%	Testing SPEAR BPM VME Crate	1 d	10/10	10/10	62SS		D. Martin,S									
65	87%	Beam Line Instrumentation	92 d?	6/2	10/9			T. Dao									
66	82%	BL12 Insertion Device	92 d?	6/2	10/9			T. Dao,R.									
79	0%	Functional test the device	2 d	9/29	10/2	78											
80	0%	Checkout all Insertion Devices for Startup	5 d	10/3	10/9	79											
94	35%	SPEAR3 Power Supplies	50.4 d?	8/7	10/16			F. Rafael									
95	9%	Beam Line 12	50 d?	8/7	10/13												
96	0%	Cabling	18 d?	8/7	8/30			Contractor									
97	0%	B118 Intermediate PS installation	22 d	9/7	10/6	2SS		G. Johnson									
98	0%	Cable connexion	8 d	9/20	9/29			C. Taylor,C									
99	80%	Ethernet Controller Installation	2 d	8/10	10/9	97,2SS		F. Rafael									
100	80%	DCCT Installation	5 d	9/29	10/10	2SS,99		C. Taylor,C									
101	0%	Power Supplies commisioning	10 d	10/2	10/13	3		G. Johnson									
113	40%	BOOSTER Power Supplies	36 d	8/21	10/9												
114	0%	White Circuit Tune up	5 d	10/2	10/6			G. Johnson									
115	0%	Copley Calibration	1 d	10/9	10/9	114		F. Rafael,C									
379	0%	BEAM LINES	30.13 d	8/7	9/18												