

SSRL ACCELERATOR - 2007 SHUTDOWN SCHEDULE

ID	% complet	Task Name	Duration	Start	Finish	Preced	Project manager	Task person or shop responsible	Shift, Form Req'd, Safety Analysis	October	
										9/24	10/1
1	69%	<u>SHUTDOWN</u>									
2	56%	<u>MILESTONES</u>									
3	26%	<u>SLAC</u>									
4	0%	PEPII DOWN	65 d	9/4	12/3				-		
7	84%	<u>SSRL</u>									
10	0%	INJECTOR STARTUP	10 d	9/18	10/1				-		
12	0%	BEAM TO USERS	0 d	10/29	10/29				-		
13	0%	BEAMLINE COMMISSIONING	6 d	10/29	11/5	12			-		
14	99%	<u>UTILITIES</u>	38 d	8/6	9/26						
18	0%	LINAC TCW ON	0 d	9/25	9/25				◆ 9/25		
21	0%	SPEAR HCW ON	0 d	9/25	9/25				◆ 9/25		
22	50%	<u>INJECTOR</u>	367.13 d?	6/7	10/18						
24	0%	GTF	0 d	8/6	8/6						
25	52%	<u>LINAC</u>	162 d?	3/1	10/12						
26	0%	Low level RF - adjustable phase/amplitude	15 d	8/14	9/3		Schmerge				
28	71%	<u>K3 5045 Replacement</u>	147 d?	3/1	9/21		Schmerge				
33	0%	Isolation valves leaked	1 d?	3/1	3/1						
37	92%	<u>BTS Vacuum System Upgrade</u>	153 d?	3/1	10/1						
111	0%	<u>B130 Cable trench</u>	5 d	8/21	8/27						
112	0%	Identify cables for re-routing to B130 cable tray	5 d	8/21	8/27						
116	51%	Shutdown_I&C_2007_3	51 d	8/9	10/18						
1	31%	<u>I&amp;C Systems</u>	44 d	8/20	10/18						
2	31%	<u>B140 Transport Line BPM System</u>	44 d	8/20	10/18						
8	0%	Install RF Input Jumper Cables	3 d	10/1	10/3						
9	0%	Input Signal Cabling Completed	0 d	10/3	10/3	6,8				◆ 10/3	
10	0%	Install Timing Chassis	4 d	10/1	10/4						
11	0%	Install Output Cable Wiring Harness	3 d	10/1	10/3						
12	0%	Timing/Output Signal Distribution Complete	0 d	10/4	10/4	10,11				◆ 10/4	
13	0%	Modify Trigger Source Jumper Cables	2 d	10/1	10/2						
14	0%	Install SRS Trigger Jumper Cables	1 d	10/3	10/3	13					
16	0%	Timing Signal Source Completed	0 d	9/7	9/7	13,14,					
19	0%	Injector Checkout w/ Beam Begins	0 d	10/2	10/2					◆ 10/2	
20	0%	Commission BPM System (w/o Pre-Processor)	12 d	10/3	10/18	6,7,10					
21	71%	<u>Air Filtration, I&amp;C Systems</u>	38 d	8/9	10/1						
23	0%	Clean B117 air filters, vacuum cabinets	3 d	8/22	8/24	22					
27	0%	Replace B132-102 HVAC filter	1 d	10/1	10/1						
28	0%	Replace B116-101 HVAC filter	1 d	10/1	10/1						
29	0%	Install B116-101 Space Heater	1 d	8/22	8/22						
30	0%	Install B117-12 Cabinet Blower	1 d	8/30	8/30						
31	0%	Install B140-106 Cabinet Blower	1 d	8/31	8/31						
118	26%	<u>TUNNEL VENTILATION</u>	229.13 d	9/6	7/9		bs/dd	MSG,Contrac			
119	0%	Install shielding wall	10 d	9/6	9/18				RSCWF		

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120	0%	Install extractor fan in 17 line	4 d	9/18	9/22	119			RSCWF		
123	0%	CORRECTIVE ACTIONS	60 d	6/7	8/28				-		
135	95%	SPEAR	94 d?	6/1	10/10						
145	93%	DOWNTIME	54 d?	7/27	10/10						
150	90%	BL13 Insertion Device - 17S	54 d?	7/27	10/10		Rowen				
178	66%	Installation in 17S	39 d	8/17	10/10						
179	38%	Install Vac Chb, etc	38 d	8/17	10/9						
182	50%	Install vac bellows couplings	1 d	9/27	9/27	181	Neal	Vac			
183	50%	Install lead shielding - lateral (12"x18"x1" Pb or 2"HI	2 d	10/1	10/2		Ernst	MSG			MSG
184	0%	Install LCW flow switch (prep for EPU)	2 d	8/21	8/22		Ernst				
185	0%	Install pneumatics for ring isolation valves	2 d	8/17	8/20		Ernst				
186	0%	Install cable tray/cable for valve panels	2 d	8/17	8/20		Lessard				
188	87%	EPU	38 d	8/20	10/10						
198	0%	Electrical connections to EPU	1 d	10/9	10/9	197					
199	0%	Function tests EPU	1 d	10/10	10/10	198					
200	50%	BL13 Front End	10 d	9/26	10/9						
203	0%	Install LCW connections/flow switch panel	5 d	10/3	10/9	202					
267	80%	System Maintenance	159 d?	3/1	10/9						
268	73%	Alignment Engineering	16 d?	9/4	9/25						
269	58%	Magnet survey and corrections	12 d	9/10	9/25						
271	0%	Magnet moves	5 d	9/19	9/25	270					
274	0%	Install invar flange motion sensors	1 d?	9/20	9/20			MSG			
275	81%	ESG - Electrical Systems Maintenance	92 d?	6/4	10/9						
276	81%	EDM planning	92 d?	6/4	10/9						
6	87%	Booster	30 d?	8/13	9/21						
8	0%	K1 - Trigger Retrofit	2 d?	8/20	8/21	7,4		G. Johnson,C			
13	80%	SPEAR3	92 d?	6/4	10/9						
15	0%	Filters Cleaning	5 d?	8/27	8/31	3		R. Theobald			
21	67%	BL-13	92 d	6/4	10/9						
33	56%	Integration B-131	49 d	8/2	10/9						
37	0%	Test controls system	4 d	9/24	9/27						
38	0%	Fernando Rafael reinstall cable trays and cables	1 d	8/28	8/28						
41	0%	Connect load to BL-4	1 d	9/13	9/13	40					
42	0%	test controls of trims in BL4	1 d	10/9	10/9	41					
43	0%	BL-13 (BL-5) ID skew coil check out	21 d	9/3	10/1						
44	0%	Tom Dao testing/ fiducialization	12 d	9/3	9/18						
45	0%	Skew coil polarity and isolation testing	3 d	9/19	9/21	44					
46	0%	Final skew coil isolation testing of BL-13 after in:	1 d	10/1	10/1						
47	0%	test controls of BL-13 skew	1 d	10/1	10/1						
280	50%	PPS	24 d	8/21	9/21						
281	50%	E-Gate	24 d	8/21	9/21		Horton				
283	0%	Cover magnet leads	2 d	9/20	9/21	282	Franklin	MSG			

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ID	% complete	Task Name	Duration	Start	Finish	Predecessor	Project manager	Task person or shop responsible	Shift, Form Req'd, Safety Analysis	October	
										9/24	10/1
285	93%	RF	31 d	8/20	10/1						
287	91%	Cavity trips - troubleshoot	31 d	8/20	10/1		Sebek				
289	0%	Restore waveguide	1 d	10/1	10/1			MSG			MSG
290	93%	LCW & Pneumatics	155 d?	3/1	10/3						
300	0%	Calibrate BL4, 13, 14 flow loops	2 d	9/26	9/27	299					
301	0%	SPEAR LCW Flow Checks	4 d	9/28	10/3	300					
302	0%	Magnets	0 d	3/1	3/1						
303	35%	Insertion Devices	15.5 d	9/17	10/8						
305	0%	ID Checkouts	5.5 d	10/1	10/8						
306	0%	BL7	0.5 d	10/1	10/1						
307	0%	BL10, BL9	1 d	10/1	10/2	306					
308	0%	BL6, BL5	1 d	10/2	10/3	307					
309	0%	BL11, BL4	1 d	10/3	10/4	308					
310	0%	BL12	1 d	10/4	10/5	309					
311	0%	BL13 EPU	1 d	10/5	10/8	310					
312	48%	Vacuum	32 d	8/16	9/28						
313	63%	QFC retrofit w/spacers	30 d	8/16	9/26						
314	63%	Sector 4 (G16, G17)	30 d	8/16	9/26						
317	50%	Install spacer (remove TSP)	1 d	9/25	9/25	316		Vac	-		
318	0%	Re-install corrector magnets	1 d	9/26	9/26	317		MSG	-		
319	45%	Vacuum System Maintenance	17 d	9/6	9/28						
320	0%	Install IG baffle on 16G-IG-BL11	0.25 d	9/6	9/6		Neal				
321	0%	Check/replace IG filaments	2 d	9/6	9/7		Neal		-		
322	50%	Upgrade Gamma MPC (IP PS) 12SP, 15BL	15 d	9/6	9/26		Neal		-		
323	50%	Pumpdowns	4 d	9/25	9/28						
325	0%	Pump down Sector 4	2 d	9/27	9/28	324			-		
327	33%	Safety Systems	2 d	9/27	9/28						
329	0%	Close rolling door blocks	2 d	9/27	9/28			BLOPS			BLOPS
330	72%	Conventional Facilities	40 d	8/6	9/28						
334	0%	B120 Seismic retrofit - thru OCT 2008	20 d	8/14	9/10						
335	0%	BL9 Rolling door - bring chain falls up to code	3 d	9/17	9/19						
338	0%	Beam Line Maintenance	20 d	9/4	10/1		Johnson				
339	0%	BL8-2 in-alcove mirror slit installation	20 d	9/4	10/1						
340	0%	BL10-2 mirror mover re-alignment	5 d	9/10	9/14						
342	0%	Startup Checks	10 d	9/24	10/5						
343	0%	Vacuum	10 d	9/24	10/5						
344	0%	Injector	5 d	9/25	10/1			Vac			Vac
345	0%	SPEAR	5 d	9/25	10/1			Vac			Vac
346	0%	Beam Line	10 d	9/24	10/5			Vac			
347	0%	BL Mirror/slits motion checks	10 d	9/24	10/5						