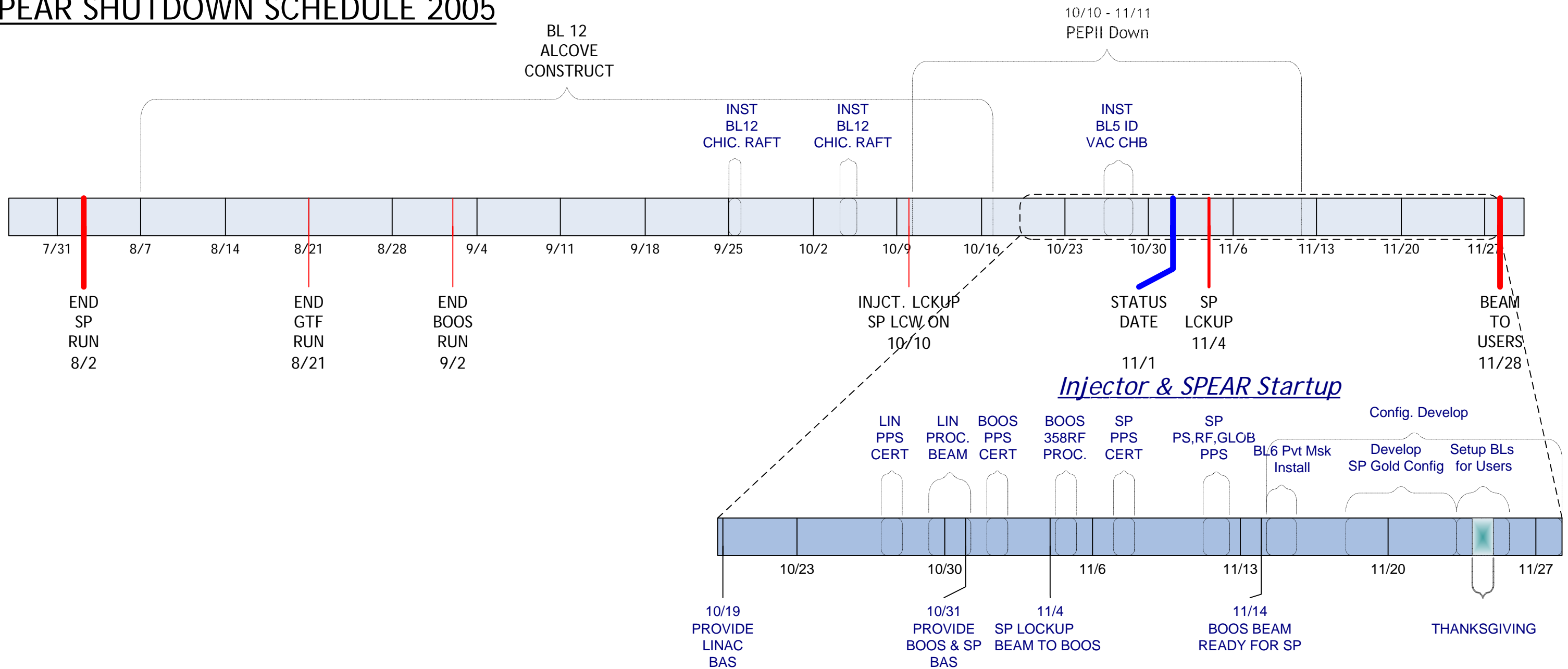


SPEAR SHUTDOWN SCHEDULE 2005



Priority Tasks - Status 9/8

Injector Plant Maintenance

Task	% Comp.
LINAC - Gun cathode replacement	100
Booster ring magnet survey	100
GTF 5045 Klystron Change Out	
Corrective Actions	

LINAC & BOOSTER

Booster Magnet Grounding	5
Grounding of Cable Trays (Booster Ring & B140)	75
Mixed voltage cable separation (Booster)	0
Unused Cable Removal	100
Choke magnets (seismic bracing)	0
Booster Lights and Receptacle Mods	100
Linac Lights and Receptacle Mods	100
Label Magnets w/ Power Source	0
Label CEBAF & Mags Energized During Access	0
Booster RF HVPs & oil containment	5

SPEAR Plant Maintenance

Task	% Comp.
BL 12 Chicane Lattice	
BL 12 Alcove Construction	100
PPS/BCS Mod for BL 12	
BL5 ID Vacuum Chamber	75
Stored Current Interlock	
LION System	
Synchrotron Light Monitor	
Survey & Alignment (Resurvey of Magnets)	60
Corrective Actions	
Cable Tray - cable separation	20

BEAM Line Upgrades

BL2
BL5
BL6
BL7
BL9
BL10
BL11

SSRL ACCELERATOR - 2005 SHUTDOWN SCHEDULE

10/31/05

ID	% Complete	Task Name	Duration	Start	Finish	Predecessor	Project manager	November				
								10/17	10/24	10/31	11/7	
1	58%	SHUTDOWN										
2	3%	MILESTONES										
3	0%	SLAC										
4	0%	PEPII DOWN	26 d	10/10/05	11/11/05			[Gantt bar from 10/10/05 to 11/11/05]				
5	5%	SSRL										
14	0%	INJECTOR STARTUP	22 d	10/17/05	11/12/05			[Gantt bar from 10/17/05 to 11/12/05]				
16	0%	SPEAR LOCKUP	0 d	11/4/05	11/4/05					◆		
17	0%	SPEAR STARTUP	16 d	11/5/05	11/24/05							[Gantt bar from 11/5/05 to 11/24/05]
18	0%	BEAM TO USERS	0 d	11/28/05	11/28/05							
19	0%	MECHANICAL SYSTEMS										
25	0%	HWC ON	0 d	10/10/05	10/10/05							
26	0%	HELIUM ON	0 d	10/25/05	10/25/05				◆ 10/25			

SSRL ACCELERATOR - 2005 SHUTDOWN SCHEDULE

10/31/05

ID	% Complete	Task Name	Duration	Start	Finish	Predecessor	Project manager	November				
								10/17	10/24	10/31	11/7	
28	60%	INJECTOR										
29	46%	LINAC	50 d?	8/22/05	10/21/05	9						
36	0%	GTF - LASER ROOM PPS - MODIFY / CONNECT INTERLOCKS	35 d	8/22/05	10/1/05		Horton					
45	0%	NESLAB GUN CHILLER - REPAIR NEW UNIT (OR REPLACE)	3 d	10/19/05	10/21/05		Ernst					
46	0%	NESLAB GUN CHILLER - SYSTEM INTERLOCK INTERFACE	2 d	8/22/05	8/23/05		Schmerge					
54	80%	BOOSTER	58 d	8/22/05	11/2/05							
65	0%	KICKERS ADD OPERATER ALARMS	4 d	9/27/05	9/30/05		Rafael					
66	0%	I&C INSTR, RACK PS & DOORS B140 - PM - FILTERS	5 d	10/3/05	10/7/05		Rafael					
67	0%	BIAS/PULSER PM - REPLACE AIR FILTERS AND CLEAR	6 d	10/7/05	10/14/05		Rafael					
69	0%	TEST/IDENTIFY BOOSTER BPM CABLES	4 d	10/19/05	10/24/05		Widmeyer					
79	63%	MECHANICAL	41 d?	8/23/05	10/11/05							
90	0%	RESET LCW FLOW RATES ON LTB & BTS QUADS	4 d	9/13/05	9/16/05		Dell'Orco					
93	0%	ROLLING DOOR CHECKOUTS	2 d	9/10/05	9/12/05		Ernst					
94	0%	STOPPER CHECKOUT LINAC	1 d	10/11/05	10/11/05		Ernst					
95	0%	STOPPER CHECKOUT BOOSTER	1 d	10/11/05	10/11/05		Ernst					
96	0%	BURN THROUGH MONITOR CHECKOUT	1 d	10/11/05	10/11/05		Ernst					
99	51%	CORRECTIVE ACTIONS										
100	51%	LINAC & BOOSTER	20 d	9/7/05	9/29/05	9						
101	0%	BOOSTER MAGNET GROUNDING	10 d	9/7/05	9/17/05		Dell'Orco					
102	25%	GROUNDING OF CABLE TRAYS (BOOSTER RING & LINAC)	10 d	9/7/05	9/17/05		Widmeyer					
106	0%	LABEL MAGNETS W/ POWER SOURCE	12 d	9/16/05	9/29/05		Widmeyer					
107	0%	LABEL CEBAF & MAGS ENERGIZED DURING ACCESS	12 d	9/16/05	9/29/05		Widmeyer					
110	22%	INJECTOR STARTUP	13 d	10/27/05	11/11/05		Guerra					
111	0%	PRE - STARTUP VACUUM CHECK	1 d	10/27/05	10/27/05		Morales					
112	0%	REPLACE B3 AND ALPHA MAGNET POWER SUPPLIES	1 d	11/4/05	11/4/05		Rafael				ED& M	
114	0%	BIAS PS AC CURRENT CALIBRATION	4 d	11/8/05	11/11/05		Rafael					
115	0%	TEST WHITE CIRCUIT FEEDBACK SYSTEM	1 d	11/8/05	11/8/05		Rafael					

SSRL ACCELERATOR - 2005 SHUTDOWN SCHEDULE

10/31/05

ID	% Complete	Task Name	Duration	Start	Finish	Predecessor	Project manager	November				
								10/17	10/24	10/31	11/7	
117	72%	SPEAR										
128	72%	BL12 CHICANE LATTICE										
185	82%	CHICANE RAFT	69 d	8/4/05	11/1/05							
205	58%	CHICANE RAFT INSTALLATION	17 d	10/10/05	11/1/05		Dell'Orco					
219	0%	ALIGN MAGNETS/VAC CHAMBERS	1 d	10/26/05	10/26/05	218	Dell'Orco					
221	0%	CONNECT LCW FLEX LINES	1 d	10/28/05	10/28/05		Ernst					
222	0%	CONNECT MAGNET BUSSING	2 d	10/31/05	11/1/05	221	Widmeyer					
224	0%	CONNECT MPS CABLES	1 d	10/31/05	10/31/05	220	Horton					
225	0%	RESTORE AUX AIR LINE	2 d	10/24/05	10/25/05		Ernst					
226	0%	RESTORE LION CABLE & GAS SYSTEM	1 d	10/27/05	10/27/05		Ernst					
228	0%	POWER SUPPLY/CABLING	20 d	10/18/05	11/11/05		Widmeyer					
229	0%	Cable Plant	20 d	10/18/05	11/11/05							
230	0%	West Straight	10 d	10/18/05	10/31/05							
231	0%	IINSTALL NEW CABLES TO 02G QF AND QD MAGNETS	10 d	10/18/05	10/31/05		Widmeyer					
232	0%	MODIFY QD, QF AND 01G AND 18B MAGNET STRINGS	10 d	10/18/05	10/31/05		Widmeyer					
233	0%	INSTALLATION TESTING, POLARITY CHECK, HIGH POT	10 d	10/18/05	10/31/05		Widmeyer					
234	0%	East Straight	20 d	10/18/05	11/11/05							
235	0%	INSTALL NEW CABLES FOR 09G AND 10G MAGNETS	10 d	10/18/05	10/31/05		Widmeyer					
236	0%	INSTALLATION TESTING, POLARITY CHECK, HIGH POT	10 d	11/1/05	11/11/05		Widmeyer					
237	97%	POWER SUPPLIES	81 d	8/2/05	11/12/05							
238	97%	REBUILD RACKS IN B118 (20 racks)	81 d	8/2/05	11/12/05		Widmeyer					
261	0%	CLEAN AND INSPECT INSTALLED PS	5 d	9/19/05	9/23/05							
262	0%	TEST MODIFICATION	6 d	11/7/05	11/12/05	261						
264	51%	OTHER PROJECTS	111 d	8/2/05	12/23/05							
265	24%	CABLE	20 d	8/22/05	9/14/05							
269	50%	BEAM INSTRUMENTATION	80 d	8/19/05	11/29/05							
275	32%	TEST TONE DRIVER CHASSIS	56 d	9/19/05	11/29/05		Martin					
276	85%	FABRICATE TWO CHASSISS	33 d	10/17/05	11/28/05							
277	0%	INSTALL 2 TEST TONE DRIVER CHSS B132, B116	56 d	9/19/05	11/29/05							
278	40%	TUNE DRIVER CHASSIS	28 d	10/24/05	11/28/05		Martin					
279	75%	FABRICATE CHASSIS	27 d	10/24/05	11/25/05							
280	0%	INSTALL B132-102-R4	24 d	10/28/05	11/28/05							
281	70%	VACUUM & CLEAN CABINETS (B132-102, B116-101 R4 TO	57 d	9/6/05	11/15/05							
285	14%	ECHOTEK MODULES	50 d	9/20/05	11/22/05							
287	0%	INSTALL MODULES AND CABLES B132, B116	37 d	10/5/05	11/22/05							
288	30%	INSTALL LOW PASS FILTERS ON ECHOTEK BPMs	23 d	10/3/05	11/2/05							
289	0%	DCCT	2 d	10/13/05	10/14/05							
290	0%	REPLACE TCs ON DCCT WITH RAD HARD TCs	2 d	10/13/05	10/14/05		Ortiz, Morale					
291	0%	TUNE BUNCH PROCESSOR (TEST SPARE)	1 d	11/7/05	11/7/05							
292	0%	INSTALL & TEST B116-101-R5	1 d	11/7/05	11/7/05		Martin, Wacht					
293	48%	INSERTION DEVICES	78 d	8/2/05	11/9/05							
294	59%	BL5 ID VACUUM CHAMBER	78 d	8/2/05	11/9/05							
298	0%	REMOVE VACUUM CHAMBER	1 d	11/1/05	11/1/05		Morales					
299	0%	INSTALL VAC CHAMBER SUPPORT SYSTEM	1 d	11/2/05	11/2/05	298	Trautwein					
300	0%	ID VAC CHAMBER INSTALLATION	1 d	11/3/05	11/3/05	296,	Morales, Trau					

SSRL ACCELERATOR - 2005 SHUTDOWN SCHEDULE

10/31/05

ID	% Complete	Task Name	Duration	Start	Finish	Predecessor	Project manager	November					
								10/17	10/24	10/31	11/7		
302	0%	ALIGN CHAMBER TO MAGNET	1 d	11/4/05	11/4/05	300	Ernst						
303	0%	INSTALL NEW CHAIN COVER	2 d	9/26/05	9/27/05		Ernst						
304	42%	NEW INTERLOCK ON GAP	28 d	10/4/05	11/9/05		Trautwein						
306	0%	FABRICATE PARTS FOR SWITCHES	5 d	10/24/05	10/28/05								
307	0%	INSTALL SWITCH ASSEMBLY	1 d	11/3/05	11/3/05								
308	0%	CHASSIS MODS - NEW INTERLOCKS ON BL5 ID GAP	3 d	10/4/05	10/6/05		Dao						
309	0%	TEST/SET TRIPS	2 d	11/8/05	11/9/05								
310	32%	ELECTRICAL	37 d	9/6/05	10/20/05								
311	0%	Calibrate the LVDT's for EPU #4	3 d	10/18/05	10/20/05		Dao						
312	0%	ION GAUGE FILAMENT ON/OFF STATUS	1 d	9/6/05	9/6/05		Ortiz						
313	85%	CHASSIS MODS TO BL5,6,9,10 TO MEET OSHA	9 d	9/7/05	9/16/05		Dao						
314	0%	INSTALL EXHAUST FANS IN CR RACKS	11 d	9/19/05	9/30/05		Dao						
315	0%	REP. AIR FILT. i&C/PS - 116,117,118,120,131,132	1 d	10/10/05	10/10/05		Theobald						
317	0%	REROUTE BL5 & 6 MOTOR CABLES	1 d	10/10/05	10/10/05		Dao						
319	9%	MPS / PPS	26 d	8/29/05	9/28/05								
321	1%	VESDA ALARM - INTERCONNECT TO TRIP ELEC HAZ ????	3 d	9/13/05	9/15/05		Horton						
322	0%	LION	15 d	9/12/05	9/28/05								
328	71%	POWER SUPPLY	83 d	9/8/05	12/23/05								
331	69%	MCOR	73 d	9/20/05	12/23/05								
333	65%	INSTALL VOLTAGE LIMITER BOXES (22)	73 d	9/20/05	12/23/05		Rafael						
334	90%	B118-15- INSTALL ADDITIONAL TSP POWER SUPPLY	5 d	10/5/05	10/11/05		Widmeyer						
335	93%	RF	38 d	8/16/05	9/30/05		Park						
338	0%	KLYSTRON FOC.COIL - NEW CHASSIS (REDUCE TRIPS)	1 d	9/30/05	9/30/05								
346	78%	SLM	51 d	9/7/05	11/9/05		Corbett						
348	0%	INSTALL 3RD PERMANENT MAGNET	1 d	11/7/05	11/7/05		Corbett						
349	0%	INSTALL SPOOL	1 d	11/8/05	11/8/05	348	Corbett						
350	0%	PUMP SLM LINE	1 d	11/9/05	11/9/05	349	Morales						
353	13%	VACUUM	7 d	10/6/05	10/14/05								
355	0%	MOVE ZONE 5 IG CONTROLLERS IN RACK	0.5 d	10/10/05	10/10/05		Pak						
356	0%	ADD FANS TO RING BELLOWS HI TEMP AREAS	1 d	10/14/05	10/14/05		Pak, Ortiz, M						
357	0%	RECONFIGURE LN2 BOIL OFF LINE TO SPEAR	0.5 d	10/12/05	10/12/05								
358	0%	RECONFIGURE LN2 BOIL OFF LINE TO BLDG 131	0.5 d	10/13/05	10/13/05								
359	0%	RECONFIGURE TUNE DRIVER FANS	1 d	10/11/05	10/11/05		Morales						
361	63%	RESTORE TO OPERATIONS	80 d	8/1/05	11/10/05								
362	0%	ID CHECKOUTS	22.5 d	10/7/05	11/7/05								
363	0%	BL4 6,7 ELEC. TEST. (PRIOR TO MSG TESTING)	3 d	10/7/05	10/11/05		Dao						
364	0%	BL 9 10 ELEC. TEST. (PRIOR TO MSG TESTING)	1 d	10/12/05	10/12/05	363	Dao						
365	0%	BL 5, 11 ELEC. TEST. (PRIOR TO MSG TESTING)	1 d	10/13/05	10/13/05	364	Dao						
366	0%	BL- 7 ID	0.5 d	10/31/05	10/31/05		Poling						
367	0%	BL-10 ID	0.5 d	10/31/05	10/31/05	366	Poling						
368	0%	BL-9 ID	0.5 d	11/1/05	11/1/05	367	Poling						
369	0%	BL-6 ID	0.5 d	11/7/05	11/7/05	368	Poling						
370	0%	BL-5 ID	1 d	11/4/05	11/4/05	300	Poling						
371	0%	BL-4 ID	0.5 d	11/5/05	11/5/05	370	Poling						
372	0%	BL-11 ID	0.5 d	11/5/05	11/5/05	371	Poling						

SSRL ACCELERATOR - 2005 SHUTDOWN SCHEDULE

10/31/05

ID	% Complete	Task Name	Duration	Start	Finish	Predecessor	Project manager	November				
								10/17	10/24	10/31	11/7	
373	80%	LCW	69 d	8/1/05	10/27/05							
382	0%	SPEAR 120, 131 LCW ON	2 d	10/10/05	10/11/05		Ernst					
383	95%	INSTALL TUBES ON VAC LCW CIR#1	6 d	10/11/05	10/18/05		Ernst	MSG				
384	0%	LCW FLOW CHECKS	5 d	10/21/05	10/27/05		Ernst		MSG			
385	0%	LCW FLOW CHECKS TO MPS	1 d	10/27/05	10/27/05		Ernst		MSG			
386	0%	SET LION CABLE PRESSURE	1 d	10/27/05	10/27/05		Ernst		MSG			
389	78%	SURVEY & ALIGNMENT	28 d	9/29/05	11/4/05		LeCocq					
391	0%	MAGNET MOVES/RESURVEY	6 d	10/28/05	11/4/05							
393	17%	SHIELDING CLOSURE	12 d	10/27/05	11/10/05							
394	0%	ROLLING BLOCK DOORS, 2,7,10,9, 5, 6	3 d	11/2/05	11/4/05		Kerr					
396	0%	CLOSE BL-1 SHIELDING DOOR	1 d	11/10/05	11/10/05		Ernst					Riggers
397	0%	CLOSE RSWCF	1 d	10/28/05	10/28/05	395	Ernst, Evans					
399	25%	PUMP DOWN	5 d	10/31/05	11/4/05		Morales					
401	0%	ZONE 3	1 d	11/4/05	11/4/05	300	Morales					
402	0%	PRE - STARTUP VACUUM CHECKS	2 d	11/3/05	11/4/05		Morales					Vac/rp,mn
404	0%	SPEAR STARTUP	7 d	11/4/05	11/11/05		Guerra					
405	0%	POWER SUPPLY	7 d	11/4/05	11/11/05							
406	0%	E/W. STRAIGHT HIGH POT NEW CBL/CHK MAG POL	4 d	11/4/05	11/8/05							
407	0%	TEST MPS FOR NEW POWER SUPPLIES	4 d	11/8/05	11/11/05							
408	0%	MPS TEST (TEST PROCEDURE REQUIRED)	1 d	11/8/05	11/8/05		Ortiz					
409	0%	MCOR POWER SUPPLY TESTS	1 d	11/8/05	11/8/05		Rafael					
410	0%	SPEAR STOPPER CHECKOUT	1 d	11/11/05	11/11/05		Ernst					MSG

SSRL ACCELERATOR - 2005 SHUTDOWN SCHEDULE

10/31/05

ID	% Complete	Task Name	Duration	Start	Finish	Predecessor	Project manager	November				
								10/17	10/24	10/31	11/7	
411	18%	BEAM LINE UPGRADES	156 d	6/1/05	12/26/05							
412	30%	BL2	1 d	10/10/05	10/10/05							
413	30%	BL2-1 Mirror (in helium)	1 d	10/10/05	10/10/05		Johnson					
414	7%	BL5 ACTIVITIES	73 d	8/1/05	11/2/05							
417	0%	5-4 M0 MODIFICATION	5.3 w	8/4/05	9/8/05		Rowen					
418	0%	M0 SLITS, BPM, MM2/3 INSTALL/ALIGN	1 w	10/3/05	10/7/05		Rowen					
419	0%	5-4 M0 INSTALL/ALIGN	0.67 w	10/17/05	10/20/05		Rowen					
420	0%	PLUMB & CABLE COMPONENTS	3 d	10/24/05	10/26/05		Rowen					
421	0%	PUMP BL5	1 d	10/27/05	10/27/05	420	Rowen					
422	0%	TEST COMPONENTS	1 w	10/27/05	11/2/05		Rowen					
423	0%	BL READY FOR COMMISSIONING	0 d	11/2/05	11/2/05		Rowen					
424	90%	BL6 ACTIVITIES	41 d	8/24/05	10/12/05							
428	5%	INSTALL/ALIGN BURN THRU MONITOR (BTM) FIXTURE	1 d	10/12/05	10/12/05		stefan					
431	0%	BL READY FOR COMMISSIONING	0 d	10/12/05	10/12/05							
432	8%	BL7 ACTIVITIES	113 d	8/1/05	12/26/05							
436	0%	IN ALCOVE MAIN PLUMBING & TRAY INSTALL	4.2 w	8/22/05	9/15/05		VanCampen					
437	0%	FRAME/ROOF HUTCH CONSTRUCTION	4.2 w	8/22/05	9/15/05		VanCampen					
438	0%	HUTCH ELECTRICAL INSTALLATION	3.2 w	9/19/05	10/6/05		VanCampen					
439	0%	FINISH GRIDER ASSM/INSTALLATION	2 w	9/19/05	9/29/05		VanCampen					
440	0%	IN ALCOVE INSTALLATION/ALIGN	3.2 w	9/19/05	10/6/05		VanCampen					
441	0%	IN ALCOVE PLUMB & CABLE	1.33 w	10/10/05	10/18/05		VanCampen					
442	0%	TEST IN ALCOVE COMPONENTS	1 w	10/24/05	10/28/05		VanCampen					
443	0%	INSTALL/ALIGN THRU BE WINDOWS	2 w	10/10/05	10/21/05		VanCampen					
444	0%	INSTALL/ALIGN d/s BE WINDOWS (7-2?)	4 w	10/24/05	11/16/05		VanCampen					
445	0%	COMPLETE HUTCH CONSTRUCTION	4 w	11/21/05	12/16/05		VanCampen					
446	0%	OUT OF ALCOVE PLUMB AND CABLE	2 w	11/21/05	12/2/05		VanCampen					
447	0%	TEST OUT OF ALCOVE COMPONENTS	2 w	12/5/05	12/16/05		VanCampen					
448	0%	PUMP BL	1 w	12/19/05	12/23/05		VanCampen					
449	0%	COOL MONOS	1 d	12/26/05	12/26/05	448	VanCampen					
450	0%	BL READY FOR COMMISSIONING	0 d	12/23/05	12/23/05							
451	0%	BL8	1 d	8/2/05	8/2/05							
452	0%	x	1 d	8/2/05	8/2/05		Brehmer					
453	23%	BL9 ACTIVITIES	85 d	8/1/05	11/16/05							
457	75%	INSTALL/ALIGN IN ALCOVE COMPONENTS	9 d	9/12/05	9/21/05		Busse					
458	0%	PLUMB & CABLE IN ALCOVE COMPONENTS	2.2 w	9/22/05	10/4/05		Busse					
459	0%	TEST IN ALCOVE COMPONENTS	0.5 w	10/6/05	10/10/05		Busse					
460	25%	INSTALL/ALIGN OUT OF ALCOVE COMPONENTS	3.2 w	9/22/05	10/11/05		Busse					
461	0%	PLUMB & CABLE OUT OF ALCOVE COMPONENTS	2 w	10/13/05	10/26/05		Busse					
462	0%	TEST OUT OF ALCOVE COMPONENTS	2 w	10/27/05	11/8/05		Busse					
463	0%	PUMP BL	1 w	11/10/05	11/15/05		Busse					
464	0%	COOL MONOS	1 d	11/16/05	11/16/05	463	Morales					
465	0%	BL READY FOR COMMISSIONING	0 d	11/16/05	11/16/05		Busse					
466	21%	BL10 ACTIVITIES	73 d	8/1/05	11/2/05							
471	0%	PLUMB & CABLE IN ALCOVE COMPONENTS	1 w	9/22/05	9/27/05		Bagnasco					
472	0%	TEST IN ALCOVE COMPONENTS	1 w	9/29/05	10/4/05		Bagnasco					

SSRL ACCELERATOR - 2005 SHUTDOWN SCHEDULE

10/31/05

ID	% Complete	Task Name	Duration	Start	Finish	Predecessor	Project manager	November				
								10/17	10/24	10/31	11/7	
473	0%	INSTALL/ALIGN OUT OF ALCOVE COMPONENTS	1.65 w	9/22/05	10/1/05		Bagnasco					
474	0%	PLUMB & CABLE OUT OF ALCOVE COMPONENTS	1.8 w	10/6/05	10/18/05		Bagnasco					
475	0%	TEST OUT OF ALCOVE COMPONENTS	1 w	10/19/05	10/25/05		Bagnasco					
476	0%	PUMP BL	1 w	10/26/05	11/1/05		Bagnasco					
477	0%	COOL MONOS	1 d	11/2/05	11/2/05	476	Morales					
478	0%	BL READY FOR COMMISSIONING	0 d	11/2/05	11/2/05	477	Bagnasco					
479	68%	BL11 ACTIVITIES	32 d	8/15/05	9/22/05							
487	0%	INSTALL/ALIGN 11-2 HUTCH STPP LN MONO BTM	2 d	9/14/05	9/15/05		Rogers/Busse					
488	0%	PUMP BL11-2 & COOL MONO	1.2 w	9/16/05	9/22/05		Rogers/Busse					
489	0%	BL READY FOR COMMISSIONING	1 d	9/22/05	9/22/05		Rogers/Busse					
490	0%	PRE-RUN VACUUM CHECKS	124.5 d	6/1/05	11/12/05							
491	0%	BL 1	0.5 d	11/4/05	11/4/05							
492	0%	BL 2	0.5 d	11/4/05	11/4/05							
493	0%	BL 3	0.5 d	11/4/05	11/4/05							
494	0%	BL 4	0.5 d	11/5/05	11/5/05							
495	0%	BL 5	0.5 d	10/28/05	10/28/05							
496	0%	BL 6	0.5 d	9/22/05	9/22/05							
497	0%	BL 7	0.5 d	6/1/05	6/1/05							
498	0%	BL 8	0.5 d	11/5/05	11/5/05							
499	0%	BL 9	0.5 d	11/12/05	11/12/05							
500	0%	BL 10	0.5 d	10/20/05	10/20/05							
501	0%	BL 11	0.5 d	10/3/05	10/3/05							