

SPEAR Maintenance 5/2/05		Dur.	Time											
			am						pm					
			6	7	8	9	10	11	12	1	2	3	4	
<u>Access Schedule/Conditions:-</u>														
RSCWF Open:														
OUTAGES:														
SPEAR:					x	x	x	x						
Ring Controlled Access			xx	xx	xx	xx	xx	xx	xx	xx	xx			
Return ring to 'No Access' state													x	
System Checks:														
Power Supply Checkout													x	x
Accelerator Physics														x
<u>SPEAR Ring Access:-</u>														
Total persons in SPEAR (16 allowable)			13	15	16	15	14	15	4	7	5	4	0	
1.	Repair Roof Blocks	Ricardo,Boro,Larry	3.0	3										
2.	Run two new cables from the BL10-2 control racks to the BL10 photon BPM in the BL10 alcove in SPEAR.	BLE	2.0			2	2							
3.	-For the BL4 wiggler chamber verify that the three lateral masks, items 2,3, and 4 of sa-444-350-03 are oriented to the beam direction as show in the drawing. Also confirm the mask part numbers (they should have been marked as per the drawing) sa-444-350-	Morales, Ringwall	1.0				2							
4.	BL 12 alcove project	Shewchuk	2.0				2	2						
5.	13S - alignment checks on the BL4 ID Vac Chamber aperture check	Alignment, Ringwall	4.0		2	2	2	2						
6.	Remove BL5 ID trim coils	MSG, Dell'Orco, Rafael	1.0	3										
7.	SPEAR: Inspect cables in cabinets and BPM system cables in SPEAR Ring.	Martin, Wachter	1.0					2						
8.	SPEAR tour with the DOE site office in preparation for 500mA (11:15)	Evans and DOE site office	1.0					4						

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9.	Inspect East and West Straight for Chicane installation, support vacuum work	Ortiz	8.0	1	1	1	1	1	1	1	1	1	1	1		
10.	Inspect the BL 7-2 and BL 2-1 mirror systems	Paul, Johnson	1.0			2										
11	BL 12-1 mirror systems access	Johnson,B Troxel,C.	1.0				2									
12.	Inspect DCCT Test Interface Box	Wallters,Taylor	1.0	2												
	LCW:-															
13.	Check BL-5 FE LCW Flows, record/correct (7:30-8:30)	MSG 1	1.0		1											
14.	Check BL-6 FE LCW Flows, record/correct (8:30-9:45)	MSG 1	1.0			1	1									
15.	Check BL-7 FE LCW Flows, record/correct (9:45-10:45)	MSG 1	1.0					1								
	Shielding:-															
16.	Install lead shielding L4, L5 to S5 ( BL-7 ID) increase thickness of L1 to 2" (6:30-8:30)	MSG 3	2.0	3	3											
17.	Install lead shielding L1dn to S7 ( BL-9 ID) increase thickness of L1 to 2" (8:30-10:45)	MSG 3	2.0			3	3									
18.	Install lead shielding L3, L5 to S13 ( BL- 4ID(10:45-11:45)	MSG 4	1.0					4	4							
19.	Install lead shielding L1dn, L3dn to S15(BL-11ID)(13:00-15:00)	MSG 4	2.0									4	4	4		
	Vacuum:-															
20.	Visual walkthrough inspection of Ring and Beam Line vacuum systems. (6:30)	Pak, Wiertel, Jacobson	1.0	3												
21.	Re-terminate IP HV cable end at 8S (9S-IP6)(8:00)	Pak,Theobald,Ortiz	1.0			3										
22.	Install RGA assembly at 8S, set up video monitor (6:30)	Pak, Nalls, Neal, Bach	4.0	4	4	4	4									
23.	Re-stage SPEAR hoists and gantries in East Access maze (13:00)	Pak, Nalls	0.5									2				
24.	Terminate 8S-RGA cable(RS422 cable)(12:00)	Morales, Theobald,Ortiz	1.0								3					

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<u>SPEAR Ring Access NOT REQUIRED:-</u>																	
1.	Power Supplies:-																
2.	Swap 07G-QF1 with 07G-QF2 Reason: troubleshoot the ripple in 07G-QF1.	Rafael, Johnson	1.0														
3.	Various Buildings: Clean air filters, B132, B116, B118, BL, Booster, Etc	Martin, Theobald	1.5	xx	x												
4.	B132-102: Install SCI chassis and BPM current monitor	Yotam, Martin, Wallters	2.0			xx	xx										
5.	B116: Assist with Installation of cooling equipment	Martin, Wachter	1.5														
6.	SPEAR databases (History database mostly) will be down-4 hrs	Clemens	4.0														
7.	Remove 12S-IG1 bypass at IG controller, test (14:00)	Pak, Nalls	0.5										x				
8.	Remove 16G-IG-BL11 bypass at IG controller, test (14:00)	Pak, Nalls	0.5											x			
9.	Re-orient the RF Cavity IG controllers such that there is an air gap between controllers (13:30)	Pak, Nalls	1.0										x	xx			
<u>Booster</u>																	
1.	Booster and Linac W. tour with the DOE site office in preparation for 500mA (10:50)	Evans and DOE site office- 4	0.5					4									
2.	Move 49-IG1 MPS and controller cables to new controller, test connections (10:00)	Nalls, Lessard, Ortiz	1.0					3									
3.	Ground cable on white circuit enclosure	Rafael, Johnson, Taylor	1.0			3											
4.	Magnet Labels Inspection	Rafael, Johnson, Taylor	1.0		3												
5.	Bias Fan	Taylor, Johnson															
<u>Deferred Work</u>																	
<u>SPEAR Ring</u>																	
<u>Booster</u>																	
1.	Booster RF - replace fan unit inside SCR Soft start box (EWP/NRJHAM)	ED&M Wachter, Ramona	3.0					xx	xx	xx							