

**** SPEAR Maintenance 4/19-20/04 ****

:-(Artemis

			Dur.	Mon	Tues
	RSWCF:				
	Outages:				
	SPEAR: Start of Ring Access Lock up and Search			6:15am	2:00pm
	BL:				
1.	Inspection for pivot mask design.	Stefan	.5		
2.	Possibele - reset M0 limit switches BL?	Stefan			
	Facilities:				
1.	Install receptacle at bl 2-? (old hutch).	Shewchuk		x	
2.	Install support, conduit, wire, receptacle at bl 10 user area.	Shewchuk		x	x
3.	Subcontractor will replace bad 480v breaker in bl18 A5E1A panel. Work will be done hot. Approximately 1 hour. We'll do it before noon.	Shewchuk			x
4.	Subcontractor will reroute conduit and circuit at bl 6 hutch.	Shewchuk			x
	Controls:				
1.	Reboot prymatt for security reasons	Rarback or Allison			

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2.	Reboot RF IOC to fix load angle offset calc	Allison			
3.	Reboot 132 BPM IOC for database fix	Allison			
4.	Test new software for moving the BL5 and (perhaps) BL6 insertion devices.	MSG, Rarback		x	
	Electrical:				
1.	Remove IQ Analyzer on MCC-04 and send it back to vendor for repair	Dao & Wallters	4		
2.	Replace blown transformer and fuse for IQ Analyzer on MCC-02A	Dao & Wallters	4		
3.	Intermediate Power Supplies Check supply settings	Rafael, Johnson	8		
4.	11G-IG-TSP3 and 12G-IG-BL06: BL6 gauges are not operational.	Ortiz	4		
5.	06G-IG-BL07 and 06S-IG1: BL10 gauges are not operational.	Ortiz	4		
6.	12G-IG-TSP2 and 13G-IG-BL05: BL5 gauges are not operational.	Ortiz	3		
8.	Thermocouples: The following TCs are reading high. Check field wiring. 02G-TRP1-11; 05G-TRP3-14; 09G-TRP1-05; 09G-TRP3-05; 10G-TRP3-14; 11G-TRP1-11; 13G-TRP1-08; 18G-TRP1-05	Wachter, Walters	3		
9.	TestTone Couplers; Install PTS-500 in 132-102, and cables required, to deliver test signals to 3 TestTone Couplers.	Wachter, Walters	3		
10.	Kicker Fingers: apply contact grease to finger contacts	Rafael, Johnson	3		
11.	White Circuit: Check Cells		3		

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	MECHANICAL:				
1.	Mechanical inspections		.5	X	
2.	Move BL-1 Vat-Valve panel for better access	woodcock	3.0		
3.	BL-11 Insertion device cover	Ben Poling/Eddie Guerra	6.0		
4.	SPEAR PPS maze, add bird screen above gray door in east & west entries.	ernst	4.0		
5.	Shielding; Shielding needed at the beamline 9 rolling block door junction with SPEAR ring shielding.	Eddie Guerra, Gary Woodcock	4.0		
6.	Shielding: Cut threaded studs off (Building 132 roof access.) (trip hazard)	Eddie Guerra	1.0		
7.	Shielding; Fabricate and install bellows area shielding.	Woodcock	4.0		
8.	Read and Record LCW Flow Settings (Front Ends,Absorber,TSP+mask)	Woodcock	2.0		
9.	Replace two FE 40mesh screen strainer with 80mesh screens	DiMattia	1		
10.	Replace H2 Absorber N800SS Needle valve with 1/4" x 10"long SSTL tube	Woodcock	1.0		
11.	Replace H2 Absorber with Exit Port N800SS Needle valve with 1/4" x 10" long	E Guerra	1.0		
12.	Test H1-H3 Absorber flow: Remove N800SS with 1/4 x 6" or 10" long SSTL tube	Woodcock	2.0		
13.	Review dipole step	ernst	2.0		
14.	White circuit enclosure - measure the chokes and identify cooling hoses.	Dell'Orco	2	x	
15.	SPEAR tunnel - vibration measurements	Dell'Orco	1	6pm	

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	RF:				
	Vacuum:				
1.	SP3: Ring walkthrough, visual inspection of Accelerator and BL vacuum systems.	Pak, Wiertel	.5		
2.	SP3: Zone 5 Rate of Rise.	Pak, Morales	2		
3.	SP3 SLM: Bracket and stand installation, shielding alignment.	Bach, Wiertel-- 4 hr	4		
4.	SP3: Support MSG in move of 1-0 IV1 pneumatic panel to the aisle side.	Wiertel, MSG	4		
5.	SP3: Support EDM with ion gauge readback troubleshooting.	Pak, Morales	6		
6.	SP3: Review IP and IG protective cover drawings. Anz SP3: Review straight section ion pump ball plunger installation criteria, adjust as necessary.	Morales, Pak, Kurita--4 hr.ur, Pak, Morales, et al	2		
7.	Injector: Review Injector Functional Diagram, update as necessary.	Nalls	2		
8.	BL5: Install 5-0 MM3 chamber (out of alcove).	Jacobson, Wiertel, Bach	8		
9.	SP3: Review bellows thermocouple installation procedure.	Pak, Jacobson	2		

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10.	BL3: Measure fast sensor cable length for replacement.	Wiertel	1		