

**** SPEAR One Week Downtime 2/23-29/04 ****

:-(Artemis

			Dur.	Mon	Tues	Wed	Thur	Fri	Sat
RSWCF:									
BL1 Wall block removal SLM line exit port dump				x	x	x	x		
Outages:									
SPEAR LCW Down					x	x			
SPEAR:									
Lock up and Search									
BL:									
1. M0 mirror tank for BL 10-1	Marks			x	x	x	x	x	
Facilities:									
Wax floor - experimental area									
Controls:									
Electrical:									
1. BTS B9V examine/repair defective contactor (problem not found)	Rafael			*					
2. Quad power supply 07G-QF1 tripped ; overtemp fault. Check the Klixon connections	Rafael					*			
3. Rebuild the isolation board in Bias white circuit and move it to back Power supply in Bias and Pulse.	Rafael				*	*	* Calib, test	X Calib Pulse	
4. Electrically isolate Cable Tray in 132-102 from Racks 5,6, and 7, in an effort to reduce BPM noise.	Wachter, Martin					*	*		

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	Electrical continued...								
5.	Add ferrite cores to AC power lines, 132-102, Rack 7.	Wachter, Martin				X			
6.	Complete installation of Bunch Length cable, 7/8 inch Heliax, to Girder9-BPM5.	Wachter, Martin					X		
7.	Change burden resistors in DCCT Test Box from 100 ohms to 10 ohms and add inductors.	Taylor, Martin				X			
8.	Characterize noise and performance of Tune Monitor chassis.	Wachter, Martin						X	
9.	Complete crate assy. and installation of Turn By Turn BPM crates.	Wachter, Martin		*	*	X			
10	Clean air filters in 116-101, 132-102.	Theobald					X		
11	Remove un used cables and chassis; relocate existing chassis to make room for future re design EPU motor driver chassis in control rack B131-609 [12 hrs]	Dao & Wallters	12 hr	*	X				
12	Identify separate power source for the IQ Analyzers for the motor control centers	Dao	4 hr			x			
13	Investigate the BL9 ID motor driver (fan replaced)	Dao	8 hr					*	
14	SPEAR Kicker pulser IGBT boards: Inspect Repair Replace	PCD		*	*	*	*	X	

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15	Connect independent PS to BL5 end trims (borrow unused channel from BL4 ID)							x	
16	MCORR - measure bandwidth of system	Fernando					Prep	Test	
	MECHANICAL:								
1.	Mechanical inspections	Eddie Guerra)	.5 hr	X					
	Insertion Devices:...								
2.	BL 4/7 ID - setup for closure to min. gap	Poling, Ernst	6 hr		*				
3.	Install BL-5 ID chain guard	Poling, et al	.5 hr		x	x	X instal l		
4.	BL5 ID - EPU magnet repair				x	x	x	x	x
	LCW:...								
5.	Adjust flowswitch set point and valve set point on all the v.c. circuits. (all QFC, BM1, BM2						*		
6.	SPEAR LCW - Install and test strainer basket in the LCW supply		8 hr		*	*			
7.	Verify flowrates on all the Absorber and mask circuits. (found all valves ¼ turn open)		8 hr				x	X	
8.	HCW-- Install new chemical automatic feed pump by	Shin, SEM	4 hr		x				
	Shielding:...								

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	BL1 Shield block - remove/replace Rolling doors - open/close	BL Ops.		✕ ✕				X X	
9	Plug misc. cracks between shielding blocks in the ring	MSG, Scott							
10	<i>SPEAR - install S4 phase II shielding</i>	MSG, Boyce						x	
12	Modify and install cable tray step-up plates (12 out of 19 completed)	Fab shop, Anzur, Ibarra			*	*	X 12		
14	White Circuit - install 5hz pad under pulse choke	MSG, ED&M, Delloreo	12 hr			*			
	RF:								
1.	Drain excess oil in RFHVPS, tighten seal in cover plate as necessary Diode Stack Crowbar Remove stacks Replace failed SCRs Re-install stacks	PCD, Park	12 hr	*	X	*	X	*	*
2.	Reset pressure sensor in RFHVPS LCW to 160 psi	MSG, Nzeadibe				*			
	Vacuum:								
1.	SP3: Ring walkthrough, visual inspection of BL's and Accelerator vacuum systems.	Pak, Wiertel	.5 hr	*					
2.	Troubleshoot IG readback problems w/ED&M 1 of 8 fixed by changing IG controller.	Pak, ED&M, et al		x	x	x			
3.	SP3: Exchange IP PS modified boards (if received)	Pak	4 hr						

