**** 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~~		~~x~~					
~~2.~~	~~Quad power supply 07G-QF1 tripped ; overtemp fault. Check the Klixon connections~~	~~Rafael~~				~~x~~			
3.	Rebuild the isolation board in Bias white circuit and move it to back Power supply in Bias and Pulse.	Rafael			~~x~~	~~X~~	~~x~~ ~~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~~				~~x~~	~~X~~		

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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	x	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	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~~				x		
14	SPEAR Kicker pulser IGBT boards: ~~Inspect~~ ~~Repair~~ Replace	PCD		x	x	x	x	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~~		~~x~~				
3.	Install BL-5 ID chain guard	Poling, et al	.5 hr		x	x	X install		
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~~						~~x~~		
~~6.~~	~~SPEAR LCW-- Install and test strainer basket in the LCW supply~~		~~8 hr~~		~~x~~	~~x~~			
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~~				X X	
9	Plug misc. cracks between shielding blocks in the ring	MSG, Scott							
10	*SPEAR – install S4 phase II shielding*	*MSG, Boyce*						*X*	
~~12~~	Modify and install cable tray step-up plates (12 out of 19 completed)	~~Fab shop, Anzur, Ibarra~~			~~x~~	~~x~~	~~X~~ ~~12~~		
~~14~~	~~White Circuit – install 5hz pad under pulse choke~~	~~MSG, ED&M, Dellorco~~	~~12 hr~~			~~x~~			
	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~~	~~X~~ ~~x~~	~~x~~	~~x~~	
~~2.~~	~~Reset pressure sensor in RFHVPS LCW to 160 psi~~	~~MSG, Nzeadibe~~				~~x~~			
	Vacuum:								
~~1.~~	~~SP3: Ring walkthrough, visual inspeciton of BL's and Accelerator vacuum systems.~~	~~Pak, Wiertel~~	~~.5 hr~~	~~x~~					
2.	SP3: 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~~						

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4.	P3: Continue vacuum component labelling in ring and Power Supply racks.	Pak	3 hr	x	x	x	x	x	
~~5.~~	~~SP3: Install pull-out drawer in controller rack #B118-19 (pending location approval).~~	~~Pak~~	~~1.5 hr~~	~~x~~					
6.	BL10-1: Install BL10-1 M0 chamber--vent/pumpdown BL10. BL10-1: Replace isolation valve 10-1 IV1.	Marks, Fukuba, Neal, Jacobson, etal Jacobson,Neal	 6 hr	x	x	X X	x		
7.	~~SLM: Install components in-alcove (as many as 3 items could be installed if ready).~~ ~~M~~*ove valve panel to clear* *Move PPS run Search Reset switch?*	~~Bach, Wiertel, Ringwall, et al~~ *MSG, Morales*		~~x~~	~~x~~	~~x~~	~~X~~ *x*		
~~8.~~	~~GTF: Vent systems, re-orient valves, install other components, pumpdown.~~	~~Nalls, et al~~	~~4 d~~	~~X~~	~~x/2~~	~~x~~			
9.	Injector BTS: Booster: Repair BTS vacuum leak in a rubber tube.	Nalls et al	4 hr		X/2				
~~10~~	~~Modify BL4 for Brehmsstrahlung dump~~ ~~Modify BL7 for Brehmsstrahlung dump~~			~~X~~ ~~x~~	~~X~~ ~~x~~	~~X~~ ~~x~~	~~X~~ ~~x~~		