

# SSRL - Accelerator Maintenance Day Tasks

1/10/2011

System	Sub-System	Description	PIC	Shop	Task Person	Forms	Hr
Access	Conditions:	1. SPEAR access: 6:30 to 14:00 hrs Lockdown: SPEAR - ZVV Dipole PS by 6:30am Booster - ZVV white circuit by 7:00am					
Access	Conditions:	2. SPEAR - Power Supply Checks - 2 hrs after power restored					
Access	Conditions:	3. OUTAGES:					
Access	Conditions:	4. RSWCF Open: Deposit Linac and Booster roof 6:30am					
Booster	Vacuum	5. Inspection walkthrough, leak check north arc. Check current draw on ion pumps from PS2. We're seeing an increase in ion pump current but the pressure at 01-IG1, WGO2-IG1, 07-IG1, AND 08-IG1 are normal.	Nalls	Vacuum	Vargas, Nalls		
Injector	Power Conversion	6. 1) BTS-B7H: install new output cover on neg. buss 2) BTS-B7H: Calibrate V/V reading 3) BTS-B7H: check documentation 4) Investigate offsets on CEBAF modules 5) Install PS slides to existing PS in bld 140 rack103 6) Continue B140 clean up	Rafael	PCD	DC3: delira / Johnson		

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Injector	Mechanical	7 . Building 140 crane chain and hook PM	Ernst	MSG	2-SLAC Fac Techs	(requires roof access RSWCF)	3
Injector	Mechanical	8 . Mechanical inspections	Ernst	MSG	1- MSG tech		1
Injector	Mechanical	9 . Install electrical insulating blanket hanger for Booster ring	Ernst	MSG	1- MSG tech		2
LINAC	RF - Booster	10 . LINAC RF Diagnostic system calibration	Wachter				6
LINAC	Vacuum	11 . Inspection walkthrough.	Nalls	Vacuum	Vargas		
SP Accelerator	Facilities	12 . Seismic Upgrade - Phase 2 - Tour/Inspection: BL3/4 inside ring / on roof Booster Ring B140 on Linac and Booster roof	Stetson		Chen, Stetson, Scott, et al.		

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SPEAR	Beam Monitoring and Diagnostics	13 . 1. Label replacement BPLD chassis B116-101-05; label SCSI cables. 2. Install Bergoz "hot spare" module in BPM room B132. 3. BPM BTS-2 trouble investigation. 4. SPEAR ring walkthrough; cable plant visual inspection. 5. Clean air filter 117-13.	Martin				
SPEAR	Power Conversion	14 . 1) Check and repair bad SPEAR3 kicker boards. This will again require a brief 6am run before opening the main breaker. 2) Reroute booster kicker fire wires to make them more likely to trip in the event of a fire.	Rafael	PCD	PP1: Beukers / Krzaszczak		
SPEAR	Mechanical	15 . Mechanical inspections  Remove old LCW testing line/building 140, 2- MSG techs 2.5hrs (requires roof access RSWCF)	Ernst	MSG	1- MSG tech		1

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SPEAR	Mechanical	16 . Install electrical insulating blanket hanger for SPEAR ring,	Ernst	MSG	1- MSG tech		2
SPEAR	Insertion Device	17 . BL-13 ID limit switches test fit/install	Dell'Orco	MSG	2-MSG techs		7.5
SPEAR	Insertion Device	18 . BL-13 ID limit switches - control system	Dao	BLE			
SPEAR	Vacuum	19 . SPEAR: walkthrough	Nalls	Vacuum	Pak		
SPEAR	Vacuum	20 . SPEAR in alcove BL9: temporary fix of leak on 9-0 BPM (Bach, Pak, Nalls)  Restart LCW on mirror individually and watch ion gauges during restart. (Kerr, Tracey)	Nalls	Vacuum			
SPEAR	Vacuum	21 . Beam line functional diagram redlines.	Nalls	Vacuum	Jacobson		