

# 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 a 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		