

**\*\* SPEAR/Beamline Maintenance list for Monday 2/4/02 \*\*****Guidelines for the SPEAR 32 hour maintenance/down period.**

- Beam dumped at 06:00 for maintenance.
- Access ~06:30
- Lock & Tag as necessary upon entry.
- Remove L&T upon leaving!
- Check in with Operations prior to access and after access.
- Inform SPEAR operations of status maintenance task at end of each day.
- The Accelerator Systems Managers MUST be involved with all activities related to their systems.
- SPEAR Operations & Accelerator System Managers MUST confirm that systems are ready for operations prior to 14:00 on Monday

**\*\* SPECIAL instructions:**

	<b>SP3:</b>		
1.	Visual inspections	Boyce, et al	
2.	Access BTS for measurements (through Spear gate)	Trautwein	1hr
3.	Inspect BL4 and 7 wigglers.	Davies, Ringwall	.5hr
4.	Survey measurements of BTS magnets and vacuum chambers	SLAC Align	12hr
	<b>BL:</b>		
1.	Ajdust 10-2 M0 mirror bender	JR Troxel	2hr
	<b>Controls:</b>		
1.	BL9 ID - test software control of brake actuation.	MSG, Rarback	1hr
2.	BL10 graphite filters - test actuation of filters by new control system	Rarback	1hr
	<b>Electrical:</b>		
1.	Replace contactor in SDA power supply	Larrus	3hr
2.	Permanent ground repair on two 8 Channel Analog Buffer (SPEAR Servo system)	Ortiz	3hr
3.	Repair cable connector on BL1-IG1	Ortiz	2hr

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4.	Modify 208 V receptacles located in Blds 140 racks 103, 104 & Bld 117 racks 12 and 7A.	Shewchuck, Ortiz	8hr
	<b>Engineering:</b>		
	<b>Facilities:</b>		
	<b>MSG:</b>		
	SPEAR:		
1.	Mechanical Inspections	Huber	1 hr
2.	LCW flow measurements	SLAC instr tech, Ernst, Nzeadibe	4 hr
3.	Check actuator LCW flow. Reduce pressure if possible	Woodcock, Ernst	3 hr
4.	Install LCW system gauges	Huber, Ernst, Nzeadibe	2 hr
5.	Review SP3 Installation/Items for reuse	Woodcock, Ernst	2hr
	Injector:		
1.	Mechanical Inspections	Huber	1 hr
	<b>MPS &amp; PPS:</b>		
	<b>RF:</b>		
1.	10S11 Klystron input cavity tuning	Park, et al	4hr
2.	Replace 10S11 WG directional coupler	MSG	2hr
	<b>Vacuum:</b>		
1.	Vacuum visual walkthrough, SPEAR2 and BL's in-alcove.	Wilson, Neal, Wiertel	.5hr
2.	Investigate 2-0 IG1 static readout.	Neal, Wilson, Morales, Horton?, Ortiz?	4hr

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3.	Begin reroute of the ring LN boiloff line at BL2 alcove through G13/14.	Wiertel, Wilson	2hr
	Non-SPEAR Access:		
4.	Investigate BL6-2 cold trap excessive LN usage (may begin on Feb.5rd).	Wiertel, Tompkins?	3hr
5.	1. Troubleshoot Q2-4 ion gauge readout (failed on 1-30-02).	Wilson, Neal	1hr

<http://www-ssrl.slac.stanford.edu/ets/Schedules/SPMaint/M02-04-02.pdf>