

Accelerator Maintenance Day Tasks

12/11/2006

Dur. (hr)

Access	Access Conditions:	1. SPEAR:- 8 HR Controlled Access - 6:30 - 2:30 AM Injector Access - 6:30 to 2:30 AM		
		2. SPEAR - Power Supply Checks - 2 hrs after power restored		
		3. OUTAGES: NONE		
		4. RWSCF Open: a) Faraday Cup removal		
		5. Radiation Surveys: a) BTS - Faraday Cup (prior to work for removal)		
Beam Lines	Insertion Device - BL12	6. BL12 MPS/PPS limit switches in-alcove.	Yott, Harrington	
Beam Lines	PPS	7. Check operation of BL12 Mask and Stoppers	Horton	
		8. Unlock BL7 stoppers	Horton	
Beam Lines	Vacuum	9. Beamline Walkthru	Bach/Spector	0.5
		10. Messer Light Bulb Replacements - Out of Alcove	Bach/Spector	1
		11. BL7 inspection and improving BL7-1 Mo Mirror Bend (change bend limit) with one vac-tech.	Van Campen	
		12. RGA scans taken with no beam - Out of Alcove	Bach, Pak	1
Beam Lines	Vacuum - BL12	13. Vent BL12 to install spool w/purge port (to allow out of alcove purge Fri Dec 14 for installation of BL12 Horiz Slit)	Bach, Spector, Neal	
BTS	Vacuum	14. Remove Faraday Cup Assembly for repair:	Kaley, Nalls	5

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- a) Vent BTS
- b) Remove Faraday Cup
- c) Replace with blank flange
- d) Pump down BTS

Injector	Controls	15.	Priority: Routine. To be completed if resources are available.	Matin, Wachter, Sebek	
Injector	Power Supplies	16.	Add ground resistors to the Bias	ED&M	
		17.	Voltmeter installation on B-140 switchgear for white circuit and B2-B6.	Rafael	
		18.	Replace the B2 power supply and add fuse.	ED&M	
Injector	RF - Linac	19.	Modify the LINAC VSWR chassis to put K3 VSWR interlock from GTF Operation change to SSRL LINAC operation.	Wachter	6
Injector	Vacuum	20.	Injector Booster Walkthru	Nalls	.5
SPEAR	Controls	21.	Determine cables route for BL4 ID	Dao & Wallters	1
		22.	Installation of cable tags n 09S BPM cables.	Martin, Theobald	2
		23.	I would like to take a 2 hour downtime of the SPEAR databases for a database software upgrade.	Clemens	
SPEAR	Insertion Device - BL12	24.	Install new temperature control unit (TCU - Neslab) for BL12-2 ID (only if it has been checked out). Set flow to .45-.6 GPM. Monitor TC "S09R1C9" over time and adjust	MSG	

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the TCU setpoint until it diurnally averages about 25 C.

25. Install three new thermocouples to the 9S BPM's: 1) +y/+x CB1 chamber 2) +y/-x triplet chamber BPM block 3) +y/-x CB4 chamber. I think there are five additional channels available. Try to keep solder junctions small. Install in hotter part of BPM (see yellow/orange zones of the attached).

Vac, Ortiz

SPEAR	Magnets	26.	Septum Corrector: - Installation - Alignment, - Connection to power supply Cable Number - SPR00918 Identified for 03G-COR2H.	MSG	
SPEAR	Mechanical	27.	Mechanical inspections	1-MSG	1
		28.	Check 1S water flow circuit WFS-3	2-MSG	1
		29.	Take pictures of BL-4 Vat-Valve panels and general beam line,	1-MSG	20 min
		30.	Measure for additional sound deadening insulation for RF piping west straight	1-MSG tech.	1
		31.	Inspect and make new hoses from girder manifold to magnet, some were found to be tight	2 MSG techs	3
		32.	Install repaired HX-75 chiller to BL-12 ID, check flow	1-MSG tech.	2
SPEAR	Power Supplies	33.	Modify MCOR15 BW.	Rafael	
SPEAR	RF	34.	Install new flow meter on SPEAR RF circulator system	1-MSG tech	2

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SPEAR	Vacuum	35.	SPEAR Walkthru	Pak 0.5
		36.	Move the SLM entrance absorber by X = -1 mm toward Spear. Monitor upstream and down stream flange positions in X and Y. Minimize change in Y. Monitor vacuum gages.	Pak/Bach 1.5
		37.	14S RGA Reset	Pak/Bach 0.5
		38.	Change out IG controller This gauge reading is unstable and reads "0" intermittently, but does not have a history of shutting off. This IG is a high emissions gauge, it is ran at 9.5mA. 4mA is normal.	Pak
		39.	14G-IG-BL03 --- change out IG controller. This gauge reading is unstable and reads "0" intermittently, but does not have a history of shutting off. This IG is a high emissions gauge, it is ran at 9.5mA. 4mA is normal.	Pak

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