

AGS MAINTENANCE/MODIFICATIONS/REPAIRS

AUGUST 3-4, 1998 SHUTDOWN SCHEDULE

R. Zaharatos - July 31, 1998

SHUTDOWN DETAILED SCHEDULE

August 3rd

- 0530 HEP off. Set all equipment to off.
Begin LOTO of Booster and AGS Ring for Restricted Access
- 0600 Begin LINAC source change.
Cooling towers 2 and 5 off for cleaning
- 0630 Booster - detailed HP survey plus specific survey requests.
- 0715 AGS - detailed HP survey plus specific survey requests.
- 0730 Booster - switched to Restricted Access.
- 0830 AGS Ring Restricted Access
SEB and U Line access as required

August 4th

- 1100 Secure Booster Ring and remove LOTO
- 1600 Booster equipment turn-on as required
- 1530 Secure AGS Ring and remove LOTO

PRIMARY JOBS

C - Complete IP - In-process Can - Cancelled RS - Reschedule

AGS RING SYSTEMS

- C 1. L10 Barrier Cavity Commissioning
- C 2. Replace C10 RF Cavity
- C 3. Change over AGS Wells to domestic water for main mag. cooling.
- C 4. Inspect and clean Siemen's brushes
- C 5. Install hosing and pumps for condensate in Fan Houses A-E
- C 6. Replace L20 septum failed cables.
- C 7. Tower 1 cleaning.

BOOSTER RING SYSTEMS

- CAN** 1. Change Band III (E6 & A6) back to H=2
- CAN** 2. Clean Cooling Tower 5
- C** 3. Install and test new BMMPS harmonic interlock ckt..

LINAC SYSTEMS

- C** 1. Change Source
- C** 2. Connect Extractor P.S. to UPS

"U" LINE

- C** 1. UF1 Flag Controls - repair intermittent

AGS MAINTENANCE, REPAIR AND MODIFICATION PROGRAM

JOBS SCHEDULING REQUEST

GROUP: Beam Components: D. Lehn (Ext. 4542, [4276], T. Russo (Ext. 7330 [4201]

For Maintenance Period August 5, 1998 Shutdown

<u>JOB#</u>	<u>ACCESS</u> <u>TO</u>	<u>EST.</u> <u>HRS.</u>	<u>JOB DESCRIPTION AND</u> <u>RESPONSIBLE PERSON</u>	<u>ADD'L.</u> <u>SUPPORT</u>	<u>HP</u> <u>SURVEY</u>
C 1	AGS	8 hrs.	Construct terminal encl. for L20 Septum		

AGS MAINTENANCE, REPAIR AND MODIFICATION PROGRAM

JOBS SCHEDULING REQUEST

GROUP: Controls: K. Kohler (Ext. 3917), B. Oerter (Ext. 2799)

For Maintenance Period August 5, 1998 Shutdown

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C 1	Bldg. 914	8	Calibrate set points on 1tb supplies dh1, dh2, qh14. V. WONG		
C 2	L18A	2	REPLACE FAN IN CDC.ABIL18	V. WONG	

AGS MAINTENANCE, REPAIR AND MODIFICATION PROGRAM
JOBS SCHEDULING REQUEST

GROUP: Instrumentation: T. Curcio (Ext. 4659 [4270], A. McNerney (Ext. 7693 [4222])

For Maintenance Period August 5, 1998

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C 1	AGS Ring	2 hr	UF1 Flag Controls - Find and repair intermittent problem	HP	
C 2	AGS Ring	10 mn	H20 Video - Replace light and adjust as necessary.	HP	
C 3	AGS Ring	10 mn	CF100 Video - Check light, neutral density filters and camera.	HP	
C 4	South Wiring Tunnel	2 hr	F15 Current Transformer - Check electronics and cabling.		
C/RS 5	Switchyard	2 hr	Repair or adjust as necessary the following cameras - AF124, DF146, CF223, AF238 1 RS 1RS C C	HP	
6	B-LINE	.5 hr	Repair or adjust as necessary BF448 camera		
C 7	AGS Ring	1 hr	Repair RLM gas line at L20		
C 8	UF2		Check out Flag drive		
C 9	V1 swics		V1W646, V1N712, V1I712		

AGS MAINTENANCE, REPAIR AND MODIFICATION PROGRAM

JOBS SCHEDULING REQUEST

GROUP: LINAC – V. LoDestro Ext. 5007,5010, [4225], J. Alessi Ext. 7563

For Maintenance Period August 5, 1998 Shutdown

<u>JOB#</u>	<u>ACCESS TO</u>	<u>EST. HRS.</u>	<u>JOB DESCRIPTION AND RESPONSIBLE PERSON</u>	<u>ADD'L. SUPPORT</u>	<u>HP SURVEY</u>
RS 1		4 hrs.	Back flush LEPT solenoids	Pump Room	
RS 2		2 hrs.	Back flush RFQ1	Pump Room	
RS 3		1 hr.	Check for install of Sol. in 7835 city H20		
C 4		1 hr.	Check 7835 fill into Mod1 Drive Bucket		
RS 5		2 hrs.	Toubleshoot RF Trans bladders for leak		
C 6		2 hrs.	Check Malf. window on BLIP quads		
RS 7		6 hrs.	Load new program in Mod 5 and test		
C 8		1 hr.	Check Mod5 water mat card for broke wire		
RS 9		4 hrs.	Check noise into Mod1 quads		
C 10		8 hrs.	Change source		
RS 11		2 hrs.	Check operation of slow chopper		
RS 12		2 hrs.	Test operation of new slow chopper		
C 13		8 hrs.	Install extractor P.S. on UPS	Electricians	
RS 14		2 hrs.	Fix anode temp read back in source		
RS 15		8 hrs.	Change grounds on modulators		
C 16		2 hrs.	Check Mod7 PA Rev Power signal		
C 17		2 hrs.	Check connections on sol. Power breakers		
RS 18		8 hrs.	Check AC Connections on 7835 FIL supplies		
C 19		4 hrs.	Check measure flows in LEPT Quads	Pump Room	
RS 20		1 hr.	Check HEPA Filters in BLIP	HP	Yes

AGS MAINTENANCE, REPAIR AND MODIFICATION PROGRAM

JOBS SCHEDULING REQUEST

GROUP: Mechanical Services: J. deBoer (Ext. 4668 [4250], E. Dale (Ext. 7943 [0124])

For Maintenance Period August 5, 1998 Shutdown

<u>JOB#</u>	<u>ACCESS TO</u>	<u>EST. HRS.</u>	<u>JOB DESCRIPTION AND RESPONSIBLE PERSON</u>	<u>ADD'L. SUPPORT</u>	<u>HP SURVEY</u>
IP 1	TOWER 2	6 mhrs.	Repair two leaks on Tower 2 pressure control	P.E. Plumbers	N/A
RS 2	TOWER 2	6 mhrs.	Clean cooling tower basin and strainers	None	N/A
RS 3	TOWER 2	4 mhrs.	Inspect and repair packing glands on #7 Tower Pump.	None	N/A
C 4	TOWER 4	2 mhrs.	Replace 261T Time clock (bromine feed)	P.E. Electricians	N/A
C 5	G-2 Cooling TOWER	6 mhrs.	Clean cooling tower basin suction strainers and flow transmitter.	None	N/A
IP 6	Bldg. 928	12 mhrs.	Repair leaking seal on choke cooling system and test spare pump.	None	N/A
C 7	Bldg. 913 AGS Ring	10	Disconnect and drain buss, cavity and power amp. at C-10 and reinstall.	RF Group Siemens	CP
CAN 8	Booster Ring	3 mhrs.	RF Grid filter modification @ A-6 / E-6	RF Group	CP
C 9	913 A-E	24 mhrs.	Install hosing and pumps for fan house condensate.	P.E. AC Shop	N/A
C 10	913 AGS Ring	.5 mhrs.	Inspect piping at F-5 and F-10 for remote flow indication installation.	None	N/A
RS 11	912 W Target Area	3 mhrs.	Replace measure flows and incorporate needle valves on the special ejection drop lines.	None	N/A
C 12	911A	1 mhr.	Switch from WW to Domestic water for Main Magnet Cooling.	Water Treatment	N/A
C 13	911		Cooling Tower 1 Cleaning		
C 14	100P		Clean Tower #6		
C 15	911 TE Bldg.		Repair System deionizer		

AGS MAINTENANCE, REPAIR AND MODIFICATION PROGRAM

JOBS SCHEDULING REQUEST

GROUP: Power Supply: M. Bannon (Ext. 7704 [4224], I. Marneris (Ext. 7027 [4255])

For Maintenance Period August 5, 1998 Shutdown

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C 1	WCS - A146	1 hr	BTA- Line (P.S. DH1) replace 120 vac fan to cool P.S.		
C 2	WCS - A156	6 hrs.	AGS - Siemens MG Set - motor & generator brush inspection and cleaning.		
C 3	WCS - A157	3 hrs.	AGS - Ring @ C10 - remove main magnet bus @ C10 RF cavity so cavity can be removed, then reinstalled.	Pump Room	
C 4	WCS - A153	4 hrs.	Booster - MMPS - Install and test new circuit to trip BMMPS if harmonics reach a warning level on power monitor.		

AGS MAINTENANCE, REPAIR AND MODIFICATION PROGRAM

JOBS SCHEDULING REQUEST

GROUP: Pulsed Power: R. Zapasek (Ext. 2189 [4263], R. Sanders (Ext. 2591 [4228])

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C 1	Booster	1 hr.	F3 Kicker , Inspect PFN, (replaced some output resistors as A P.M. measure Zhang		
CAN 2	AGS	4 hr.	A5 Kicker , Inspect & modify PEFN?, Zhang		
CAN 3	AGS	.5 hr.	A10 Tune Meter , Restore ?, Sanders		
C 4	AGS	.5 hr.	L20 , replace H.V. cables at ring end		
C 5	AGS		Investigate sparking in PFN- (repaired by adding insulation)		

AGS MAINTENANCE, REPAIR AND MODIFICATION PROGRAM

JOBS SCHEDULING REQUEST

GROUP: RF – N. Laloudakis (Ext. 7177, 7417 [4261], A. Zaltsman (Ext. 2967 [4259])

For Maintenance Period August 5, 1998 Shutdown

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<u>AGS</u>					
C 1	AGS Ring (C10)	7 hrs.	Replace the RF cavity with the spare	HP, Vacuum , Power Room, Pump Room, Riggers, RF, Surveys	Yes
C 2	AGS Ring (L10)		Run the KEK Power Amplifier and Cavity	RF Group	Yes

BOOSTER

CAN 1	Booster Ring	5 hrs. 2 Men	Change Band III (E6 & A6) Back to H=2	Pump Room, RF	Yes
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JOBS SCHEDULING REQUEST

GROUP: Vaccum – S. Gill (Ext. 4627 [4164], M. Mapes (Ext. 2841 [4277])

For Maintenance Period August 5, 1998 Shutdown

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C 1	AGS	12 (?)	LO/TO "C" Sector, vent, remove C-10 RF Cavity, install new RF Cavity, Leak check, restore vacuum integrity.	RF, Beam Components, Survey, Water	