

## AGS/RHIC SHUTDOWN SCHEDULE

R. Zaharatos – Jan. 14, 2003

### SHUTDOWN REQUEST PRIMARILY FOR ACCESS TO IR'S BY EXPERIMENTERS

SHUTDOWN PERIOD: WEDS., JAN 15, 2003, 1200 TO 2000HRS(SYSTEMS  
READY FOR BEAM BY 2000HRS)

HEBT 3 RESTRICTED ACCESS – 1200-1800 OR AS MUCH TIME AS CAN  
BE ALLOWED UP TO BEAM TURN-ON

“U” UP/DWN CONTROLLED ACCESS – 1330-1530

AGS RING CONTROLLED ACCESS ENTRIES PERIOD – 1400-1600

RHIC IR's – Restricted Access – 1200 to ?? most sweeps completed by 2100

RHIC TUNNEL RESTRICTED ACCESS PERIOD - 1200 to 1930  
(SWEEPS BEGIN AS JOBS ARE COMPLETED) – HP surveys required for  
beam dump and injection line

BOOSTER CONTROLLED ACCESS - NO REQUESTS

BAF STUB TUNNEL – NO REQUESTS

### PRIMAY JOBS:

JOBS STATUS CODE: C complete IP in-process RS reschedule CAN  
cancelled

\* additions

NETWORK REBOOT – Rebooting of operations logging server, [cfse.pbn.bnl.gov](http://cfse.pbn.bnl.gov).  
Expected to take place at approx. 1300hrs and lasting for 20 minutes.

\* Reboot [www.cadops.bnl.gov](http://www.cadops.bnl.gov) – same time as above. No web service during this period.

### AGS RING ACCESS JOBS

- RS
1. Investigate chamber gnd. problems at A4, A8, A14, B4, C14, J14, and L18(Bm. Comp.)
  2. Reconnect gap short relays for RF Station K
  3. Main Magnet serial number inventory(M. Hemmer)
  4. RF Station C – readjust feedback ampl. air flow switch
  5. RF Dipole set-up for pol. Protons – 1hr(Warburton)
  6. Review ATR magnets cooled by Tower 1(MS)

### **AGS RING ACCESS JOBS(cont'd)**

7. BTA QV11 – check water flow and auto resettable klixon.(MS/PS)

### **AGS EXTERNAL**

1. D Fan Hse. – replace both smoke detectors in air duct. (1 failed, 1 on-line)
2. D Fan Hse. – relamp
3. Siemen's M/G – inspect and clean brushes as required
4. Siemen's controls – reprogram PLC(Maneris)

### **BOOSTER RING ACCESS JOBS**

1. Replace emergency light batteries at plug door

### **BOOSTER EXTERNAL**

1. Remove V102 and install V202 in 930A-INST1.(Ctrls. Grp.)
2. Booster Reference Magnet flow switch cleaning/repair.(MS)
3. Horizontal Quad – connect harmonic tune feed back ckt.(Kotlyar)

### **BAF STUB TUNNEL – NO ACCESS**

### **BAF EXTERNAL – NO REQUESTS**

### **ATR ACCESS JOBS**

1. U-line – relocate water flow interlock switches external to tunnel(FES)
2. Complete the draining of G-2 magnets VD3&4 – 2hrs(MS)
3. Recertification of U Down(Access Ctrls.)
4. Clean all P.S. water flow switches(FES)
5. Water systems flow checks(Phillips)

### **LINAC/HEBT ACCESS JOBS**

1. Vacuum – complete HEBT 3 remote controls wiring for Pol. Protons diagnostics line.

## LINAC EXTERNAL

1. Recertification of BLIP interlocks to Linac

## RHIC ACCESS JOBS

1. P.S.'s – repairs(See List)
2. Stochastic Cooling(sect. 1 & 2) – commissioning(Gassner)
3. 1008 – install contactors and switches (FES – Pearson)
4. Inspect entire tunnel for condition of ice balls.(Zapasek)
5. Cryo - reinsulate those return lines that are close to instrumentation box–sectors 6, 7, 8, 9, and 12 to be completed(Wiegand)
6. Cryo – continue installation of temperature monitors in sector 4-Rack at 4Q6 which covers sects.4 & 5.(4-6hrs Kollmar)
7. Vacuum – continue checking and draining of valve air lines.
8. Vacuum – leak check sector 5 Blue(inner)
9. Re-install Vacuum RGA's in following areas:
  - Sector 5 – y05-ppa-pi8, y05-ppa-pi6, g5-ppa-pi2(Gate 5GE1)
  - Sector 6 – g6-ppa-pi6(Gate 6Ge3 in 1007W)
  - Sector 10 – yi10-ppa-pi21, bo10-ppa-pi14(Gates 10GE1,10GI1)
  - Sector 11 – bo11-ppa-pi6(Gates 12GE1, 11GI1)
- 10 Network communications – replace network switch in 7C(Popken)
- 11 Vacuum – check turbo power outlets at 7 o'clock.
- 12 All B Alcoves – cross connect PS1, PS2, and QD1 together(Ctrls. Grp.)
- 13 Check IPM's at warm sectors in sect. 1 & 2.(Cameron)
- 14 Change one Injection Kicker in Ylw.(Bm. Comp.)
- 15 Cryo, snakes and spin rotators – adjust zero ref. for lead flows. Sectors 3, 4, 5, 6, 8, and 9.(1/2 hr per sect., Kollmar)
- 16 BPM's – change three IFE Modules in 1C and check the XBV13 Module in 1005E(Sikora)
- 17 Hodoscopes in sect. 12 – continue testing and set-up(Bm. Inst.)
- 18 Pin Diodes testing in sect. 12(Bm. Inst.)
- 19 Roman Pots in sects. 1 & 2 – repairs and modifications(Bm. Inst.)
- 20 Electron Detectors in sects. 1, 2, & 12 – testing and ampl. work(Bm. Inst.)
- 21 Luminosity Monitor in sect. 12 – start set-up for upcoming work(Bm. Inst.)

## RHIC EXTERNAL

1. Power supplies. See P.S. List
2. Vacuum – replace the ion pump controller in 1002B for yi2-ip-pw3.2/bo2-ip-pw3.2
3. TRW6(1000P) PSI test(MS/Phillips)

## RHIC POWER SUPPLIES(Bruno)

### Maintenance To Do For Next Maintenance Day

#### IR Power supplies

1. Send 2 teams in to tighten connections on 3 sextupole p.s. magnet strings that needed to be re-tuned. Re-tuning should be done after tightening. The p.s.'s are yo1-sxd-ps, bi9-sxd-ps, and yi7-sxd-ps. **Rich C and Gene, Brian and Fred**
2. Send 2 teams through the ring checking for ice balls. They should split up and cover the whole ring. **Mitch and Jeff.**
3. Possible work on y2-dh0, yi10-dh0 and yo9-dh0 regarding this fiber optic interface card problem. **NO ONE YET**
4. Ed Weigand's guys must go through and insulate the return gas line on the last ¼ of the ring.
5. Keep an eye out for any trips of y6-dh0. We had one on Thurs 12/19 at around 11:56 pm due to voltage spike and we want to see if it comes back. Gregg reseated some hkps connectors and it has not come back since. **NO ONE YET.**
6. Two teams work on the following Gamma-T's since they have dropped to the OFF state: yi11-qgt-ps, bo11-qgt-ps, yo12-qgt-ps, yi6-qgt-ps, bo3-qgt-ps, bo2-qgt-ps. After these Gamma-T's have been checked we will try to check all of the other ones as well. **Don and Gregg, Joe and Tom.**

#### **ATR Power Supplies**

1. Check out problem with XARC90 Phase Sequence Relay. **Don and CAS, If I have time.**