

AGS/RHIC SHUTDOWN SCHEDULE

R. Zaharatos – Jan. 6, 2003

**SHUTDOWN REQUEST PRIMARILY FOR ACCESS TO IR'S BY
EXPERIMENTORS**

**SHUTDOWN PERIOD: WEDS., JAN 8, 2003, 0800 TO 1700HRS(READY FOR
BEAM BY 1700)**

**HEBT 3 RESTRICTED ACCESS – 0900-TO?? AS MUCH TIME AS CAN BE
ALLOWED UP TO BEAM TURN-ON**

“U” UP/DWN RESTRICTED ACCESS – 0930-1200(HP Survey 0930)

AGS RING CONTROLLED ACCESS ENTRIES PERIOD – 1000-1200

RHIC IR's – Restricted Access – 0800 to ?? most sweeps completed by 1630

**RHIC TUNNEL REMOTE CONTROLLED ACCESS PERIOD - 0800 to 1430
– HP surveys required for beam dump and injection line**

BOOSTER CONTROLLED ACCESS – 0930-1230

BAF STUB TUNNEL ??

PRIMAY JOBS:

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

* additions

COMPUTERS/CONTROLS(Katz)

One hour of maintenance needed to reboot the two operations file servers, cfsb and cfsf, and the remote user server machines (acnsun65, acnsun64, acnsun78). Probable time period including recovery – 0930-1200hrs. Any problems with this notify R. Katz.

AGS RING ACCESS JOBS

1. Investigate chamber gnd. problems at A4, A8, A14, B4, C14, J14, and L18(Bm. Comp.)
2. Inspect C20 Polarimeter(Mahler)
3. Main Magnet serial number inventory(M. Hemmer)
4. Replace ampl. for RF Stat. K

AGS EXTERNAL

1. D Fan Hse. – replace both smoke detectors in air duct. (1 failed, 1 on-line)
2. D Fan Hse. – replace steam valve(PE)
3. D Fan Hse. – relamp
4. Siemens – motor brush inspection/replacement/cleaning(3hrs)
5. Siemens – disconnect shaft encoder(30mins)
6. Siemens – laser inspection(30mins)
7. RF UPS1 maintenance. To external by-pass(0830-1630) – Bldg. 929

AGS RING POWERED TESTING

1. Siemens load temperature tests.(1330 to ??)

BOOSTER RING ACCESS JOBS

1. Check ring grounds (Beam Comp.)
2. Replace emergency light batteries at plug door
3. Check QV-7 water flow interlock problem(2hrs)(MS/Main Ring PS)
4. Connection of C4 Magnet(Danowski)
5. Install SNS test PMT – F5(Bm. Comp.)

BOOSTER EXTERNAL

BAF STUB TUNNEL

ATR ACCESS JOBS

1. U-line – relocate water flow interlock switches external to tunnel(FES)
2. Drain G-2 magnets – 6hrs(MS)

LINAC/HEBT ACCESS JOBS

1. Vacuum – complete remote control wiring downstream of new gate for Pol. Protons diagnostics line.
- IP**
2. Access Controls recertification of Linac

LINAC EXTERNAL

1. Change out all water system bag filters for cavities(MS)

RHIC ACCESS JOBS

RHIC ACCESS JOBS(cont'd)

1. P.S.'s – repairs to ?? – See P.S. List.
2. Stochastic Cooling(sect. 2) – commissioning(Gassner)
3. 1008 – install contactors and switches (FES – Pearson)
4. Sector 12 – hodoscope set-up(Curcio). Includes survey(Karl)
5. Cryo – Sector 6(near 6Q6), work on the snake/spin flow controllers
6. Cryo – Sector 7(near 7Q6), work on the snake/spin flow controllers
7. Cryo – Sector 4/5, install thermal switches
8. Investigate failed smoke detector in sect. 12(problem not found, all smokes still off-line)
9. Inspect entire tunnel for condition of ice balls and reinsulate those return lines that are close to box(Bruno)
10. Cryo thermostats and lead heater(Feng):
Sect. 1 – replace 3 lead heater thermostats
Sect. 4 – replace Q13 lead heater
Sect. 6 – replace 3 lead heater thermostats
Sect. 11-replace one lead heater therm.
Sect. 12-replace 2 lead heater therms.
11. Cryo – CQS lead flows(2GE2 and 12G11)
12. Electron Detector Amplifier work in sectors 1,2, and 12(Bm. Comp.)
13. Repair 4 scintillators at the 12:00 IP(CMS Grp.)

RHIC EXTERNAL

1. Begin installing and connecting new Modicom Network cables to fiber optic interface modules – begin at 1012A and go clk. wise(Ctrls. Grp.)
Replace cards in ip controllers YIP6, bi4-ip-pw3.2, an
2. Power supplies. See P.S. List

RHIC POWER SUPPLIES(Bruno)

Maintenance To Do For Next Maintenance Day

IR Power supplies

1. Replace AC on light for a 200A p.s. in 1002B. **MITCH AND**
2. Possible work to do on y2-dh0-ps and yo9-dh0-ps. Watching fiber optic cards. **ME AND**
3. 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.**
4. Remove Dranetz from alcove 11B with Costas and get data. Also re-tighten all magnet connections for magnets connected to yi11-sxd-ps. **COSTAS AND**
5. Possible work on the following Gamma-T's if they continue to drop to OFF state: yi11-qgt-ps, yi6-qgt-ps, bo3-qgt-ps, bo2-qgt-ps. **NO ONE YET**
6. Dan Oldham requires 4 hours to work on the quench detection servers in 1004B. **DAN.**
7. Yi10-q89-ps in 1010A still sends error messages back from fiber optic card. Phil and Ed from controls will work with
8. Turn on suncrafts in 1010A and look at AC current with clamp on to determine if any IGBT's have blown.
9. Two timing resolvers need to be looked at in 1008B. **WING AND**
10. Keep an eye on corrector yi7-th3-ps. I think a false trip status has been observed. We may go in and look at it if it continues.
11. Check readback from WFG 12a-ps1.B1 and B0(Ctrls)

Main p.s.'s

1. Investigate PFN2 fault on blue main dipole p.s. **FRED**
2. Carl may investigate ACUV trip he had. **FRED**

ATR Line p.s.'s

1. Test PLC 5/25 in ATR line.
2. CAS should lock out XARC90 and YARC90 so water group can move water flow switches to the outside of the 1MW p.s.'s.

TANDEM