

AGS/RHIC SHUTDOWN SCHEDULE – REV. 1 Jan. 2, 2003

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SHUTDOWN RESULTS – 1650HRS, JAN. 2, 2003

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

**SHUTDOWN PERIOD: THURS., JAN 2, 2003, 0830 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 CONTROLLED ACCESS – 0930-1100(HP Survey 0930)

**AGS RING CONTROLLED ACCESS ENTRIES PERIOD – NONE
SCHEDULED - No Job Requests**

RHIC IR's – Restricted Access – 0830 to ?? most sweeps completed by 1630

PHOBOS – 8hrs PHENIX – 8hrs Sectors 7,8 – 6hrs STAR – 8hrs
IR12 – 6hrs(hodoscope and vac. work)

**RHIC TUNNEL REMOTE CONTROLLED ACCESS PERIOD - 0830 to 1430
– HP surveys required for beam dump and injection line**

BOOSTER ACCESS – NONE SCHEDULED

BAF STUB TUNNEL RESTRICTED ACCESS - 0900-1300

PRIMAY JOBS:

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

* additions

AGS RING ACCESS JOBS

- RS 1. Investigate chamber gnd. problems at A4, A8, A14, B4, C14, J14, and
L18(Bm. Comp.)
- C * 2. Vacuum valve at K3 – replace leaking air line
- C * 3. K3 PUE – replace ampl. input cable(attempt to reduce noise)

AGS EXTERNAL

- C * 1. D Fan Hse. – replace communications module for heat/cool controls
- RS * 2. D Fan Hse. – replace both smoke detectors in air duct. (1 failed, 1 on-line)

BOOSTER RING ACCESS JOBS – NO ACCESS

- RS 1. Check ring grounds (Beam Comp.)

BOOSTER EXTERNAL

- C 1. Vacuum - Install analog board in CEA/C3B controller & run cables from analog output to Controls MADC inputs (930UEB)

BAF STUB TUNNEL

- C 1. Install remotely operated neutral density filter for R063 Flag(S. Bellavia)

ATR ACCESS JOBS

- C 1. U-line – clean all water flow interlock switches (FES)
- C 2. U Up/Dwn Access Controls recertification
- C 3. Repair WGE2 Gate controls

LINAC/HEBT ACCESS JOBS

- C 1. Complete installation of relocated HEBT Gate(AccessCtrls.)(**needs fault study**).
- IP/RS 2. Vacuum – complete remote control wiring downstream of new gate for Pol. Protons diagnostics line.
- RS 3. Access Controls recertification of Linac

RHIC ACCESS JOBS

- C 1. P.S.'s – repairs to ?? – See P.S. List.
- IP/RS 2. Stochastic Cooling(sect. 2) – commissioning(Gassner)
- IP/RS 3. 1008 – install contactors and switches (FES – Pearson)
- C 4. Survey- IPM in 1 o'clock (need to schedule 2 o'clock next access).
- C 5. Vacuum – perform heat run on detector solenoid in Sector 1012

RHIC ACCESS JOBS (CONT'D)

- C 6. Sector 12 – repair hodoscope stand(Seberg)
- IP/RS 7. Sector 12 – hodoscope set-up(Curcio). Includes survey(Karl)
- C 8. Leak check bi5 cryostat(internal helium leak, installed turbo)
- C 9. Vacuum – remove tmp from 1 o'clk warm bore
- C 10. Vacuum – check NO Reply readback at bil-tmp-pi21 and bo6-tmp-pi8.1
- C 11. Vacuum -0 check bad ccg reading at g2-tmp-pi1(1.2torr)
- C 12. Vacuum – Localized bakeout at bi1 of Argonne e-detector
- C 13. Vacuum – Check ion pump support stand at cooling tank Yi2
- RS 14. Cryo – Sector 6(near 6Q6), work on the snake/spin flow controllers
- IP 15. Cryo – Sector 7(near 7Q6), work on the snake/spin flow controllers
- RS 16. Cryo – Sector 4/5, install thermal switches
- IP/RS 17. Investigate failed smoke detector in sect. 12(problem not found, all smokes still off-line)

RHIC EXTERNAL

- IP/RS 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
- C 2. Power supplies. See P.S. List
- C 3. Vacuum – replace cards in ip controllers YIP6, bi4-ip-pw3.2, and Yi7-ip-pw3.3

RHIC POWER SUPPLIES(Bruno)

Maintenance To Do For Next Maintenance Day

IR Power supplies – ALL COMPLETE

- 1. Need new AC ON light for yo1-qd3-ps – I don't know if lights are in yet. **JOE AND BOB**
- 2. Continue working on yo9-dh0-ps fiber optic interface card problem if it comes back, so far it has not. **NO ONE YET.**
- 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. Examine y2-dh0-ps Fiber Optic Interface Card Problem. **ME AND GREGG**
- 5. We will go into alcoves 11B and 1B to check out some sextupole p.s.'s. In alcove 11B we will look at yi11-sxd-ps. We may re-connect the ground wire to the firing card. In alcove 1B we will probably look at bi1-sxd. **ME AND GREGG AND JOE**
- 6. Measure resistance of qpa fan switches on b8-q6-qp. If any switches read greater than 1 ohm they will be replaced. **TOM AND JEFF**

7. Go into 11c and check the pushbuttons on the control card of yi11-qgt-ps. Make sure local standby and off pushbuttons work. Swap out control card with spare Gamma-T control card from 1007W. Make sure all 3 local remote switches are in remote when you leave. Check on laptop that it says REMOTE. **GENE AND BRIAN**
8. Wing is going into sector 6 to remove equipment. **WING**
9. Swap out fiber optic interface card and call Al Marusic at 3651 after we have done it. Give card to Phil Pape after we remove it. **GENE AND BRIAN**
10. Check b8-dh0 AC connections to control card. **TOM AND JEFF**

Main p.s.'s - RESCHEDULE

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 - COMPLETE

1. In 1000P I would like to make sure slew rate board still works but putting a reference on the p.s. and just watching the current rise up slow. I may also check the delay shutoff circuit if I have time.

TANDEM