

COLLIDER ACCELERATOR SHUTDOWN SCHEDULE(REV. 2)

RESULTS – 1800HRS, WEDS. APRIL 23, 2003

R. Zaharatos – April 22, 2003

SHUTDOWN PERIOD: 0800- 2000 Wednesday April 23rd

AGS – CONTROLLED ACCESS ENTRIES – LESS THEN 4HRS. ACTUAL START DEPENDS ON LAST RHIC STORE(Access BEGINS NO LATER THEN 1030HRS)

BOOSTER – NO ACCESS

LINAC – ACCESS TO HEBT FOR BLIP VACUUM REPAIR AS REQUIRED

ATR-NO ACCESS

RHIC TUNNEL RESTRICTED ACCESS PERIOD – WEDS., 0815HRS-1500HRS(START OF SWEEPS)

RHIC IR'S RESTRICTED ACCESS PERIOD UP TO 11 HOURS – SWEEPS WILL BE DONE AS WORK IS COMPLETED

PRIMAY JOBS:

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

AGS TUNNEL

C 1 C15 Polarimeter-Support spin Group(Bm. Comp.)3hrs.
RS 2 A20 AC Dipole – inspect/check magnet(Bm. Comp.)
C 3 Check ATR upstream magnet flows(Kobasiuk)

AGS EXTERNAL

RS 1 A20 AC Dipole – test horizontal power amplifier(Bm. Comp.)
RS 2 Substation 631 – test power factor correctors – 15KV(Nehring/PE)

BOOSTER TUNNEL

RS 1 A6 RF water – remove measure flow and install flow control valve(6hrs)
RS 2 Vacuum – check Ti pumps: A5, B6a, C3c, C8, D3b, E8, F6

BOOSTER EXTERNAL

- C/RS** 1 BPM's(Bldg. 914) – phase match cables(RF Grp., requires Booster LOTO)
- RS** 2 Repair leaking flow switch for DH1-5 P. S.(Water Sys. Grp./930)
- RS** 3 Remove Reference Quad measure flows
- RS** 4 Horz. Quad P.S. – install modified regulator to accept an additional input from the harmonic chassis(for NSRL)
- C** 5 Controls- Reconfigure Booster horizontal sextupole's vector Function card to bipolar

NSRL

- RS** 1 P.S./magnet tests – access to stub tunnel(Phillips)
- C/RS** 2 Experimental instrumentation set-up(Bm. Inst. Grp.)

ATR LINE

- RS** 1 Vacuum/W sect. – vent/remove beam tube in section W1 or 2 for rigging and reinstall(Scaduto)

LINAC EXTERNAL

- RS** 1 Change 7835 Cavity in Mod 6
- RS** 2 Repair RF PSI regulator
- RS** 3 Change LINAC Timing Program(Briscoe)
- RS** 4 Check MOD 3 HV Bucket
- RS** 5 Repair leaking flow switch for DH 2-5 pwr supplies
- C** 6 BLIP – replace vacuum bellow downstream of BM 1

RHIC TUNNEL

- C** 1 P.S.'s – repairs(See List – RHIC POWER SUPPLIES)
- C** 2 Sector 12 –Inspect for shutdown work(Beam Comp.)
- C** 3 RF – Replace BA3.1 QEI Driver
- C** 4 RF- Replace grid circuit
- C** 5 Controls move room temp. monitor from MADC panel A 15 to panel E channel 15
- C** 6 Snake repair 9c -12 hrs restricted access
- C** 7 Controls - install SIS scaller board 3c-PS2 for chipmunk
- C** 8 PHENIX – install chamber(Pearson)11 hrs restricted access.

- C 9 STAR - 10 hrs restricted access
- C 10 PP2/PP -10 hrs restricted access
- C 11 BRAHMS -10 hrs restricted access
- C 12 Vacuum - turbo repair sect.10
- RS 13 Vacuum turbo repair sector 2`
- C 14 Cryo(Kollmer) 5ge1 MKS flow controller yo5,5 snake,5q6
- RS 15 Replace IFE module in 5a (Sikora)
- C 16 Re-tune quadrupole moment monitor 1hr (Sikora)
- C 17 Access Controls- Complete installation of network for card readers
- C 18 Access Controls- check operation of 2Ge1 gate
- C 19 Access Controls- re-do the connections on 10ge1 gate
- C 20 Replace hose on ATR magnet yd5 (John White)

RHIC EXTERNAL

- RS 1 Water group bldg 1004 Install and download new load for PLC
- RS 2 Water group bldg install DP switches for RF air comp.

RHIC POWER SUPPLIES(Bruno)

Ice Ball Checks and Repairs

- 1. I-02Q20 – Replace thermostat, bypassed now.
- 2. O-07Q7 and O-07Q13, marginal, check.

Corrector Power Supplies: See Table below

- 1. Check for broken fans in corrector racks
- 2. Do more measurements in alcoves with PK with correctors at 25A.

Corrector P.S.	Problem On all of these check AC connections and DC connections at the magnet and power supply.	Comments – What was really done-What was found	Serial Number
Yi2-tv4-ps	Does not show local on pet page when you put into Local. Investigate, possibly needs a new node card cable, try installing one, I think we have them in the trailer, check with Brian. Low priority. We probably should not touch it at all. Don't touch it yet.	Was not touched.	

Magnet Work

Ceramic Feedthrough cleaning in sector 3 where ground fault was found.

1004B Q6 and Q7 Time Constant Work

More measurements, maybe.

Spin Rotator p.s. OFF problem and other work

1. Alcove 5C 3u chassis to be re-worked.
2. Label the rest of the circuit breakers

IR Power Supplies

1. bo2-qd1-ps shows an AC phase flt when there is a QLI. If there is time take a look at this.
2. Possibly swap out firing card of y8-dh0-ps..
3. Screw in more 3u chassis cards. 1012A done. Half of 1004B done and some of 1002B done. Some done at 6b.
4. Put main p.s. filter material in rear doors of tq racks.
5. Replace harness of b2-dhx because of glitches on error.
6. Swap fiber optic interface card for bo3-qd3-ps for Al. I/O difference problem. Give this card to Phil. Wait and see if this fixes problem.
7. bi8-tq5-ps, swap out Ireg card because on 4/24/03 between 7:21 and 8:35 MCR could not get current output until they went to the OFF state and back to STBY, then ON. The problem could also be a f.o. card but I think it may be the I reg card.

QPA Work

1. Start replacing all QPA D connector hardware?? (b2-dh0-qp, yo8-qp8-qp and yo8-qd1-qp done)

Gamma-T Power Supplies

Go into alcoves and tighten AC connections of Gamma-T's in 3C, 7A, 7C, 9A.

Valve Box Work

1. Need to replace flashers at top of valve boxes for 2b and 6b.
2. Check light control chassis at 10A because no green lights work.
3. Check green light above blue valve box in 1002B.
4. Light control chassis in 1008B needs to be fixed. Opto logic is reversed.

Sector 9 Lead Flow Temp Experiments

George and cryo.-

Bi9-snk7-2.3

Fix gas cooled lead polarity at quench detector-PAUL

ATR Power Supplies

1. Run X-ARC90 in voltage mode.
2. Test SWM p.s. setpoint buffer.
3. Tom Nehring may swap circuit breakers 42 and 44, probably won't happen anytime soon.
4. If ground fault comes back on WQ3 p.s. try something else. AFB board was replaced 9:50 Wed 3/5/03. **Problem has not returned as of now.**
5. XARC90 and YARC90 phase sequence relay jumpered out. Decide what to do for fix. YARC90 phase sequence relay probably still good because LED lights.