

RHIC JOBS COMPLETION/REPAIRS SCHEDULE – Rev. 1

RHIC SCHEDULED SHUTDOWN – MONDAY DEC. 22, 2003, 0700-1500HRS

OPERATIONS – BOOSTER/AGS/ATR. BEAM TO “W” DUMP FOR STUDIES

RESULTS – DEC. 22, 2003 1900HRS.

R. Zaharatos – Monday December 22, 2003

RHIC SHUTDOWN SCHEDULE

Access to RHIC only. Beam studies in AtR during RHIC maintenance.

Monday 12/22/03

0700: Dump any stored beam and open (Restricted Access) all RHIC areas EXCEPT the dump regions.

0700: Access dump regions for HP survey. Put to RA after surveys completed.

1200: Open Berm over 12 o'clock (CAS).

1500: Begin sweeps, STAR to be swept last.

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

RHIC JOBS

Collider P.S – R. Zapasek

- IP 1. External p.s. work on spares as required.
- C 2. Yellow Abort Kickers – investigate misfiring. **Installed new thyatron.**

Vacuum Group – S. Gill

- C 1. Sect. 9 - Reset gauge controller yo9-tmp-pi10 and reopen Cryo Iso Valve
- C 2. Check g8-tmp-pi1 cryostat iso valve closed – would not open remotely.
- C 3. Check yo1-tmp-pi21 found foreline iso valve and cryo iso valve closed. Could only open foreline iso valve. Leak check?
- C 4. 12 o'clock – swap polarity on solenoid
- C 5. 2 o'clock – swap polarity on solenoid. Repaired leaking valve.
- C 6. Replace gauge card for yi7-cc-pc1
- C 7. Inj. Kicker @yo-5-9.1 spray u/s – sprayed both ends at braze joint

RF Group – N. Laloudakis

- C 1. Landau Cavity completion and interlocks recheck.(requires sect. 4 being secured for approx. 1hr.)

Beam Components and Instrumentation – D. Lehn

RS Sect. 7 & 8

- 1. Collimators(8hrs)
 - a) Troubleshoot remaining motion control problems
 - b) Test and run as necessary

IP/RS Stochastic Cooling(8hrs):

- a) Complete Commissioning on Pickup Tank – Sector 11
- b) Begin commissioning of Kicker Tank -Sector 4

RS AC Dipole sect. 4(2hrs) – support breaker swap outs for amplifier racks(electricians)

RS Pin Diodes – Move electron Detector Pin Diode cables from 12 IR to 12 Warm Bore by new dipole

RS Hodoscopes – Make list of cable work needed due to JET Polarimeter Installation

C BLM – Bad cable for G12-BLM7

C Gap Cleaning – Check Chiller Reservoirs and check plumbing for small leaks

Access Controls

- C 1. Check operation of 2GE1 Gate

CRYO(Warkentien/Masi)

- IP 1. Fine tune thermistor flows through-out the ring in order to minimize the formation of ice balls(will require several maint. days)
- C 2. Install new air line from tunnel to 1005 compressor room.(PE Plumbers)

High Frequency Instrumentation – B. Sikora

- IP 1. Sect. 1 & 2 moveable BPM Schottky Cavity and Two Meter Kickers – access for fine tuning required after beam start-up.
- IP 2. QMM(Quad Monitor) – will also require access for tuning

Access Controls(Meany)

- C 1. Landau Cavity interlocks certification.

Tunnel Maintenance

- C 1. Water intrusion at 12 o'clk cryo feed through ceiling penetration
- RS 2. Water intrusion in Sect. 12 IR above Jet Target location

Support Bldgs.

1. 1005H – Replace air supply fan.

RHIC/FES Division – A. Pendzick

- C STAR – TPC – repair short(min. 9hrs.) **Short not found – magnet put back in position.**
- C PHENIX - Experimenter access
- C 8D8 Magnet in Sect. 10 – install hoses

Electricians(Nehring)

- C 1. Repair lighting in escape hatches 10z2, 9z1
- C 2. Additional emergency lights in 1008

AGS(external)

- RS 1. E10 Hse. UPS – Move alternate feed to same substation as normal feed.(Nehring)
- RS 2. Cyberex UPS – modification/repairs(Magoulis -3hrs). Switchover to external bypass expected to be transparent – [Feeds all the AGS ring gates, AGS crash, PASS system A & B, PASS BAF, SIEMENS equip iterlocks, SEB and AGS chipmunks, prime and redundant SEB and FEB sec, U,V,W,X,Y PLC power.](#)

AGS RING

- RS 1. Clean-up North Conjunction Area. **Bring in spare vacuum chambers and sextupoles.**
- RS 2. Safety Related Work Requests – List for electricians.

BOOSTER EXTERNAL

- RS 1. BPM's – continue cable terminations(Beam Comp. – requires Main Mag. Loto)

BOOSTER RING

- C 1. BPM's.(Bm. Comp.) – Connect cables(ring end) at E1-E4, E7 and redress cables at E8,(**E6, E7 not done**). External - phase match cables for A3/B1/C3/C5, repair shorts on C3 & D7 filter assemblies, and install air filter assemblies.(Bm. Comp Grp.) **To be scheduled – repair A3 open and C3 short.**
- RS 2. Check BXT10 ion gauge connections(Vacu. Grp.)
- RS 3. Check air lines for water

OTHER MACHINES ACCESS – NO ACCESS

Linac HEBT/LTB –

HITL/HEBT -

NSRL Stub Tunnel –