

C-A MAINTENANCE, MODIFICATIONS, AND REPAIRS SCHEDULE

CHANGE-OVER TO HEAVY IONS SI/FE FOR NASA RUN

R. Zaharatos – April 5, 2002

RESULTS - April 6, 2002

SCHEDULE SUMMARY

6 April 2002

Shutdown Begins(no later then):	0800hrs
Linac/Polarized Protons to HEFT (BLIP continues until Sun 0900)	0800hrs April 6 through April 7
Booster Access to install C3 Infl. Fluorinert and F3 Kicker repair	0830-1030hrs
Booster Si set-up:	1130hrs April 6
Shutdown Ends(AGS/SEB):	1400hrs April 6
Actual End	1230hrs April 6

7 April

SEB HI set-up for NASA with SI/Fe	When Booster/AGS beam is ready
BLIP off (cool-down for Tank 8 job)	0900hrs(B. Briscoe)

8 April

NASA targeting set-up	0800hrs
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(If required a 4-6 hour shutdown to install an ion chamber at CE010 or in Swyd. A124)

Machine Areas Access :

AGS	Controlled Access - No access
Booster	Controlled Access - Sat., April 6, 0830-1030
SEB	Controlled Access - Switchyard Cave access 0900-0930hrs
ATR/U Line	Controlled Access - No access
Linac	Controlled Access - No access
	Restricted Access - Tank area Mon., April 8, 0800-Tues. April 9, ??

PRIMARY JOBS

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

EQUIPMENT TESTING

- C** 1. AGS Main Mag. low energy P.S. set-up.

AGS RING

- CAN** 1. Replace CE010 Sec with ion chamber or install ion chamber at A124 in the Switchyard
(Mon. April 8 if required)
- RS** 2. Chamber Gnds/networks - check H sector
- RS** 3. Check water flow for F5 Septum and F10 Ejector.
- RS** 4. Install loss monitor at E15 for SNS
- RS** 5. C20 Loss Monitors - continue set-up(waiting on parts)

AGS EXTERNAL EQUIPMENT

- C** 1. Main Magnet P.S. changeover to low energy P.S..
- C** 2. C5 and E15 IPM - pump out gas lines
- C** 3. Transverse Dampers - re-tube if necessary
- C** 4. F5/F10 Loss Monitors - change cap values
- C** 5. Long Loss Monitors - change cap values
- C** 6. Current transformers - set-up for Fe26

BOOSTER RING

- C** 1. C3 Inflector - fill elbow with fluorinert
- C** 2. Install loss monitor at F5 for SNS
- C** 3. F3 Kicker - replace charging resistor(Warburton)

SEB SWITCHYARD(Ring Sect.)

- CAN** 1. Install ion chamber at A124 in Switchyard(FES - if required)

SEB SWITCHYARD CAVE

- C** 1. Replace cameras at AF124 and AF238

SEB EXTERNAL

- C 1. Switchyard Loss Monitors - change cap values
- C 2. Replace overhead lightning in Hi-Bay near NASA Exp..

C4

- IP 1. Separator 1 - Change two HV cable feedthroughs

LINAC

- IP 1. Tank 8 - replace damaged collar inside tank(Mon., April 8)

DETAILED SCHEDULE

April 6

0800 HEP off. Close LTB beam stops. BLIP remains on.
Set all Booster, AGS, and SEB equipment to off.
LOTO Booster Ring for Controlled Access
Begin HI changeover(external equipment)
Linac polarized protons set-up for beam to HEBT(Briscoe)

0845 Booster Ring job specific HP survey for C3 Inflector,F5
Loss Monitor installation, and F3 Kicker repair

0900 Booster access for scheduled jobs

1030 Booster access ends. Remove LOTO and turn on equipment

1130 Booster HI beam set-up with Si(K. Gardner)

April 7

0900 Begin SEB/HI extraction set-up
BLIP off for cool-down(Briscoe)
NOTE: If it is decided to install the Ion Chamber at A124 the following persons should be called Sunday eve. to come in at 0600hrs on Mon., April 8.
Rob Karl: 589-6440. Steve Pontieri: 472-2060

April 8

0800 Continue NASA targeting set-up