



## 2k MMT1 Wire fix, HAM 7 Incursion

APPROVALS	DATE	REV	DCN NO.	BY	CHECK	DCC	DATE
AUTHOR: Betsy Bland	6/16/03						
CHECKED:							
APPROVED:							
DCC RELEASE							

### PREPARATIONS

- Process/vacuum bake spare MMT1 (Done as of 6/18/03)
- Receive Class A Baffles from CIT (Done as of 6/17/03)
- Mark and move ISCT7 and IOT7 (Done as of 6/18/03)
- Clean HAM 7 area (Done as of 6/18/03)
- Turn on HAM 7 cleanroom (Done as of 6/17/03)
- Crane Forklift to 2k area (Done as of 6/17/03)

### THE BIG DAY

Pull HAM7 E door, and HAM 7 W door started at ~9:30am

Plank into HAM7 and assess MMT1 damage (Are the magnets broken?) Do razorblade test.  
Clamp all 5 SOSes and 1 LOSes from plank  
Check Table level: ~1/4 of a tick high to the NW table corner

#### **Option 1**

**Fix wire in-situ if magnets aren't broken** – this involves:

Remove OSEMs started at 10:30am

Rehang optic (Involves use of a height gage, winches)

\*\*Turn over wire clamps for fresh use!

Reinstall OSEMs

Install Baffle(s) – Installed MMT1 baffle and 2 cable shield baffles (on MC1 and MMT3 cable stands – could not install shield on MMT1 cable stand due to lack of time and location)

Check Table Level: ~1/4 of a tick high to the NW table corner

Release optics from stops (use laser pointer test on SOSes)

Run through damping tests for all small optics

#### **Option 2**

**Magnets are broken and total MMT1 swap must be done:**

Dog stops against original MMT1 tower for location

Remove whole original MMT1 SOS assembly

Install new MMT1 SOS assembly (complete with new OSEMs)

Install Baffle(s)

Check Table Level: \_\_\_\_\_

**Magnets NOT Broken**

**2k MMT1 Wire fix, HAM 7 Incursion**

Release optics from stops

Exit Chamber Checks (Only took pictures, did not clean optics, did not check/adjust ribbon cables for tuning)

Replace doors started at ~1:30pm

Pump down

Replace IOT7 and ISCT7

Relock MC and see how the pointing from MMT1 to MMT2 is (by Thurs.) night

Things Needed

New MMT1 SOS assembly

MMT1 Baffle

OSEM Wire cable shields

Winch fixture

Height Gage

New Wire

Razor Blades

SOS tool pan

8" level

Dog clamps and hardware

Baffle(s) and Hardware

O-scope and octopus cable

Laser pointer

Belly Bar clamp

Laminate maps

Camera

HAM inst. stuff: (Already prepped by Corey and Vagesh as of 6/17/03)

(2sets) Stairs

(2) belly bars

(2sets) Flange protectors

(4) HAM door covers