

MOM Report

MICE Video Conference 175
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In the interest of avoiding duplication...

- Majority of news-worthy items covered in other talks today
 - SSU and SSD training → see '[SS update](#)'
 - FC warm-up & cooldown → see '[Update on the AFC](#)'

Other notes from MOM's “little black book”

There is now a **little black book** for MOMs – hopefully a useful resource/historical record

- Diffuser drum replacement
- EMR → beam centre offset
- Target issues
- Network tests



Past

- Alarm Handler issues
- Power cut procedures
- Activation run
- Mock Data Run
- Upcoming shifts and run plans



Future

Diffuser drum replacement

- Current diffuser drum leaks helium through a weld
- New 'one-piece' drum being manufactured
- Replacement procedures co-ordinated by C. Whyte
- Most likely time: next ISIS shutdown

EMR → beam offset

- EMR is offset from beam centre by ~8 cm horizontally
- Beam is contained within EMR
- Attempt to centre it during next shutdown

Target issues

- During beam line testing, was noticed that target laser levels had sunk from ~55k to ~33k on the index channel
- Index channel laser was boosted from 1mW to 1.5mW
- Target group notes that we have **plenty of headroom**, but decided to keep an eye on it nonetheless
- Further weekly Wednesday tests have observed **stable to slightly increasing** laser levels
- Lasers since adjusted to maintain a value of 55k
- Monitor during ISIS running to see if beam and laser levels are correlated

Network tests

- RAL network outages prompted investigation into the independence of MICEnet
- MICEnet has now been **proven independent**
- Highlights necessity for mission-critical programs to be run from MICEnet machines
 - i.e. if in the MLCR you notice a control go blank, it **was not** instantiated by a MLCR machine

Alarm Handler issues

- All require intervention from the extremely busy P. Hanlet
- Current system values used by the Alarm Handler will be sent to system owners to check and verify limits
- Values that should be, but currently are not, monitored by the Alarm Handler can be **hunted down and reported**
- Values that need **archiving** can also be indicated at this time

Systems and power cuts

- System owners still need to pass on documentation on what to do with their systems in the case of a power cut

Activation run

- 4V beam loss activation study was scheduled for 29th August
- Cancelled on 27th August, ISIS not yet operational
- Reschedule at end of this user run or start of next

Mock data run

- Potential for a 'mock' data run (with beam) on 9th September
- Experts-only
- Expect confirmation *soon*

Upcoming shifts and run plans

- 9am daily operations meetings for shifters
- Shifts start 8th September
- Primarily 24hr magnet training support