

Table of Contents

Muon Spectrometer White Board.....	1
On-Call Experts.....	1
ATLAS Run plan.....	1
Additional Muon Plans and Muon Run Coordinator's notes.....	1
Shift Message Board.....	2
MDT Known Problems and Issues.....	2
CSC Known Problems and Issues.....	2
RPC Known Problems and Issues.....	2
TGC Known Problems and Issues.....	3
Special Shifter Instructions and Points Of Attention.....	3
Expert Message Board.....	3
MDT Issues to watch out for	3
Last runs in the ATLAS partition (under development).....	3

Muon Spectrometer White Board

Muon ATLAS Control Room 71363 & 71365

Muon Satellite Control Room 70948

Muon Run Coordinators: Stephanie Zimmermann (163050) and Enrico Pasqualucci (162197)

On-Call Experts

Primary On-call Experts -- your point of contact 24/7 -- Shifters, please stick to calling the numbers listed here and not other experts directly, except when instructed to do so by the primary on-call

SubDetector	System	On-call	Number	Period
Muon	System run coordination/shift phone (**)		16-0226	permanent
MDT	DAQ on-call	Preema Pais	16-1939	Mar 28 - Apr 3
CSC/MDT	DCS on-call	see OTP	16-0376	permanent
			(16-3050)	Backup
			(16-2858)	CSC Backup
MDT	Gas on-call	Jianbei Liu	16-2532	Mar. 15 - Apr. 9
CSC	DAQ on-call	Kalliopi Iordanidou	0767951007	
RPC	LVL1/DAQ on-call		16-1853	
RPC	DCS/Detector on-call		16-0664	
TGC	General On-Call	...	16-1905	

(**) should there be no answer on the muon shift phone number, which has happened a few times due to problems with the network, try to call one of the muon run coordinators directly: Stephanie (163050), Enrico (162197), if this fails as well try Ludovico (163664)

Experts for specific items -- normally not to be called directly by the muon shifter

SubDetector	System	On-call	Number	Period
MDT	GNAM/Online Monitoring	Daniela Salvatore	16-2113	
		Gabriella Gaudio	16-2110	
TGC	Gas	Giora	16-0507	
TGC	DCS	Enrique	16-2530	
TGC	DCS	Shikma	16-5842	
TGC	DCS	Shlomit	16-4597	
TGC	DAQ		16-3614	
TGC	ROD	Lorne / Daniel	16-0501 / 16-2431	

ATLAS Run plan

Additional Muon Plans and Muon Run Coordinator's notes

Note: This field should any special runs/tasks to be taken care of by the shifters. Please remove them when done.

- TGC Recovery: As of March 26 **Automatic Recovery of abandoned SSW** (for RODs was in place already since a while) is active, please report problems.

LHC Scrubbing Run (April 1 to April ??, expect around 10 days)

- **CSC and TGC HV is off.** .
- MDT and RPC HV is at standard STANDBY voltage.
- Due to HV off, CSC overall state in the DCS FSM appears as NOT_READY/OK. Check there are no other problems (LV, ...)
- While HV is off, TGC overall state in the DCS FSM appears as READY, HV A and HV C FSM sub-trees **have been excluded and locked out** from the FSM.
- During injection to verify muons are in safe state, relevant information is the **safe for beam flag** and **muon injection permit**, if the shift leader is worried on the TGC READY in the FSM tell him under this special conditions this is normal.
- There will be **no stable beams**, thus **no muon calibration stream**, during the scrubbing run.

Shift Message Board

Shifters and Experts, when posting a comment please use a bullet (on a new line, type three spaces and then a *). Please add a date and your name so that we are aware that the information is recent

The Known Problems part in this section can be updated by everybody.

MDT Known Problems and Issues

- 2011 - **Missing MDT EE chambers:** EE chambers other than EEL sector 5 A+C, EEL sector 13 A+C, EEL sector 11 side A, and EEL sector 15 side C are not yet installed and thus excluded or absent from the DCS FSM and disabled from readout in the MDT Control panel.
- 2011 - **OHP: MDTGlobalView tab:** These histograms will only be filled when the stable beams flag is set
- 2011.04.02 - Stephanie - **BIS6A08 Mezz 0x200 disabled** in the configuration DB, caused persistent chamber being dropped from the run. **BIS1C16 mezz 0x800 disabled** in the configuration DB, caused chamber being dropped frequently and errors in L1 order. Note: Expected mezz mask settings in DCS are not updated yet, there will be a WARNING in the JTAG status due to this for the 2 chambers.

CSC Known Problems and Issues

- 2011 - **No HV for Layers AL05 Layer 2 and AL09 Layer 4:** HV permanently OFF due to broken wires.
- 2011 - **No DCS temperature monitoring for sectors 11,12 side A,** sectors disabled in the DCS FSM (Temperature subtree)

RPC Known Problems and Issues

- 2015 - *Some holes can be visible in plots concerning SL, but there's nothing to worry about: trigger hits and hit maps are OK, but a further optimization has to be performed. As example, in the SL_output_Hit_Map or in the SL_TriggerSector_vs_Tower plots, the following sectors can be empty or can have very low statistics:
 - ◆ sector 2 side A
 - ◆ sector 12 side C
 - ◆ sector 12 side A
 - ◆ sector 14 side C
 - ◆ sector 14 side A

For a complete and updated map of the holes, the following link shows the towers (highlighted in red) not included in the run: <https://twiki.cern.ch/twiki/bin/view/Atlas/L1BarrelMuonTriggerHardware>

TGC Known Problems and Issues

You will see unnecessary FATAL messages on the shifter assistance. Name; tgc-rol-stopless-removed
Message; Stopless removal took place for DF.ROS.ROS-TGC-EC-00.ReadoutModule1[9]
Action; Call the TGC expert, now! A recovery should happen in at most 2 minutes. Check that no channel is missing from the resource status page, and make sure that all RCD applications are running. A TTCRestart might be needed to recover disabled components and/or absent RCD applications. Make an elog entry (TGC as system affected).

And following INFORMATION will also appear
Name; tgc-rol-recovered

Please ignore above two messages for a while, we will fix the SA rule.

Special Shifter Instructions and Points Of Attention

Expert Message Board

Experts, feel free to put items currently to be watched out for or under investigation here. Please include your name and a date.

MDT Issues to watch out for

- 2011.02.16 - Stephanie - **Temperature for BrCtrl 14 Crate 0 Boards slightly high**, monitor, abnormal low flow reading for cooling BW side A lower part racks so far thought as read problem, not actual low flow. Temp alarm adjusted on March 2 to 42 degree. Update March 16: Temperature is gradually increasing, also for rack YM11EMXA turbine temp in CIC. Will be investigated in upcoming tech stop.
- 2011.10.13 - Stefanos Leontsinis - **MDT PS 48V Y0805S2 Generator1 FanStatus**, this alarm appears frequently. To be investigated in the next technical stop. Please keep an eye on this.

Last runs in the ATLAS partition (under development)

Last page update 21 Sep 2021 14:34:00

-- Main.EnricoTassi - 02-Apr-2011

This topic: Sandbox > MuonWhiteBoard

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