

Minutes of 3rd Collimation Remote Commissioning Meeting, 15th of August 2014

Participants: O.Aberle (OA), R.Bruce (RB), D.Jacquet (DJ), S.Redaeli (SR) and B.Salvachua (BS)

Following up of previous actions and general summary

- **Temperature sensors (AM):** to be addressed.
- **Test of configuration DB (DJ, GV, BS):** only part missing is the COLLFLATS (detailed flatness data) but this is not needed for the test.
- **List of available collimators in the tunnel (AM):** TCL.5R1.B1, TCL.6R1.B1 and TCL.4R1.B1 are now available for Remote Tests. IR2 and IR3 will be available in few days.
- **Availability of test stand in bld. 272 (AM):** ok. SR proposed a talk in the Collimation Working Group (GV).
- **HWC note and MPS note (BS):** BS presented in the [MPP meeting on 15th Aug](#) the updated on the MPS note. Both notes will be available in EDMS for more comments.
- **Update of logging parameters (BS):** action completed, data is being logged. Next step is monitoring and preparation of scripts for local acquisition.
- **Send functions to collimators:** The final optics at 6.5TeV are not ready, there is a ramp for tests but does not include optics for new collimators. **DJ will follow up this. Once we have the good optics she will send the momentum vs time function to RB for the preparation of the functions.** In any case, DJ and BS tried test functions for the test ramp during the dry-run last week. TCL.6R1.B1 could perform the ramp but they encountered a problem in the TCL.5R1.B1. Details of the problem are in the [LHC logbook 13 Aug 2014 afternoon shift](#). See in Fig 1 the ramp on the TCL.6R1.B1 and on Fig. 2 the ramp on TCL.5R1.B1 that was stopped because of touching the dump limits. The configuration problem on the TCL.

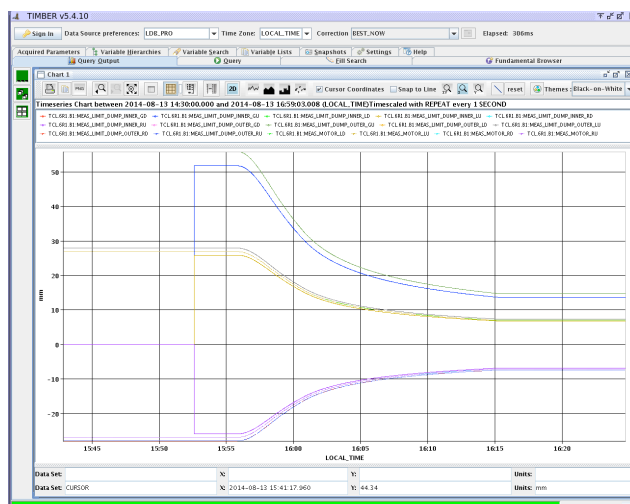


Figure 1: Execution of Test Ramp function on TCL.6R1.B1

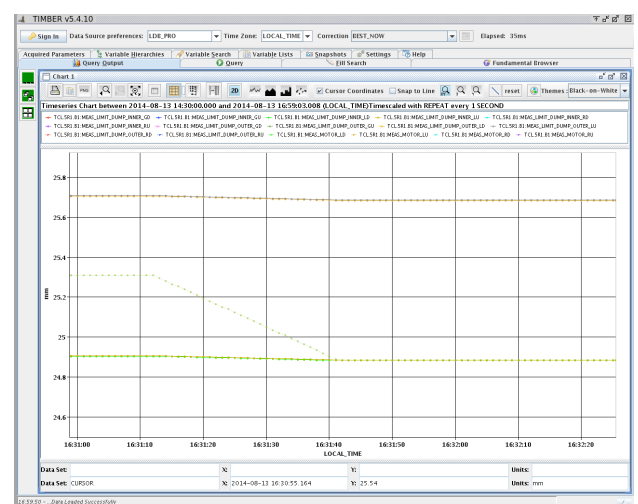


Figure 2: Execution of Test Ramp function on TCL.5R1.B1. Function stopped.

5R1.B1 is under investigation since both, the interlock functions and the position functions, were consistent however the positions function was being executed faster than it should. There as also a problem with the timing event. M.Donze corrected a bug in the FESA class and new tests have to be done. **(action BS+DJ). RB will prepare the nominal functions and the same function for all collimators (this will be used for reproducibility tests).**

- **MCS role for BS, GV and DJ (action SR):** This is needed for flexibility on generation of interlock functions during Remote Commissioning.
- **Modification of Alarm display:** action BS follow with Georges-Henri.
- **Movement of collimators in Tunnel:** action SR follow up.

Device Groups

BS reports that we are updating the device groups and sequencer tasks for a more uniform naming. Short report next meeting.

Main goals for the next weeks:

- Monitor of the logging
- Preparation of the RAMP cycle
- Test timing event