

-- JeanPierreCachemiche - 9 Oct 2007

Reminder: on the control room PC the TFC panels are accessible at  
G:\online\ecs\Shortcuts\TFC\TFC\_UI\_DEN as shortcut

**Procedure** First switch off the ODIN board.  
Then switch it on. Then:

- Launch a console on *marmuon4*
- Type `ssh -X tfc@marmuon4`
- For password ask Richard or Pierre-Yves.
- Type `_ssh OdinV204 _` to connect on ODIN's CCPC
- Type `top` and wait the end of process `jbi_pci` which programs the board.
- Check that the process `TFC_server` is running, else restart from beginning ☹
- Type `q` to exit the `top` program
- Type `exit` to log out from *OdinV204*.

Launch the PVSS interface by typing: `startPA 3.6` Click on *TFC30* and then on the green light icon. Three windows open:

- the log viewer window
- the PVSS console
- the FSMOperate panel

In the FSMOperate panel expand the `tfc_10` node, then the TFC node Right click on `TFC_PART04` and select *View* : the Top panel opens. Check the number of Orbits is refreshed periodically and the TFC server caption in the upper right of the panel is blue with value OK. If not restart from the very beginning ☹☹ Under *State* click on the locker button and click on *Take* : the greyed *not ready* field turns to yellow. Click on *not ready* and choose *get ready* : the field becomes blue and displays *READY*

**Configuration to get 16 consecutive L0\_ACCEPT** Under the *Sub-system* field double click on *tfodin04*: a panel opens Click on the *Triggers 2* tab. Tune the parameters in the Periodic trigger A field:

- Periodic trigger A period : 1
- Periodic trigger A offset : 0
- Per. trig. A burst length : 16

Then click on *Apply display* and *close* to close the window.

**To send periodic triggers** Tick the *periodic trigger A* case in the L0 trigger field on the right. Click on the *READY* button and select *START RUN* : a window opens. Click *SEND* : the window closes. Then the TFC is running with periodic triggers.

**To stop the periodic triggers** Click on the *RUNNING* button and select *STOP RUN*. Untick the *periodic trigger A* case Click on the *NOT\_READY* button and select *GET READY* : the green light nearly in front of -Periodic trigger A\_ switches off.

**To send single shot triggers** Click on the *READY* button and select *START RUN* : a window opens. Click *SEND* : the window closes. TFC is running without triggers. Click on the *Single shots* button : a window opens. You can send single shot triggers by clicking on the *Shoot* button in front of *trigger A*

---

This topic: LHCb > L0MuonHowToConfigureTFC  
Topic revision: r3 - 2008-04-25 - PierreYvesDuval



Copyright &© 2008-2019 by the contributing authors. All material on this collaboration platform is the property of the contributing authors.  
Ideas, requests, problems regarding TWiki? Send feedback