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# ROS oncall expert

## Last recipe (Feb 8 2011)

- Copy setupDAQ from ../joos directory
- "source setupDAQ 301d"
- more /proc/robin
- cd /clients/daq\_area/tools/ros/ROBIN
- upload\_fw\_301\_classic 0 (ou algo parecido)
- robinscope -m 0 -l 0 -s (i checked that swVersion was 0xa0018 as Louis said it should be)
- Useful place to look for tips cd ../joos .bashrc .bash\_profile

## Sanity check after intervention (April 15 2011)

- Ping the machine
- After new cooler instalation. From grape: "IPMI sensor data"
- Check robin sanity (non lembro con cal boton)

## About optical links (Sept 26 2011)

- A single ROL can be restarted with `robinscope m X l Y r`. This may resolve some S-Link related problems. During a run it should only be done if the respective link has been disabled (stopless removal) by the control room.
- If this does not help one could restart the Robin with `robinscope m X l Y R`. In that case all active ROLs of that ROBIN (up to 3) have to be disabled.
- In case this does not work either the next step is a reboot of the PC.
- It is difficult to define when to use robinscope and when to do the reboot immediately (as you did). In your particular case rebooting the computer from home was a good decision because it is the operation with the highest potential for fixing an intermittent problem and the time that one could save with robinscope is minimal.

## MBOX2 error (April 15 2011)

- After installing new cooling system, when crosschecking the system, error from robin 1: MBOX2 value different from expected reference (is the same for everybody...5ff..)
- This MBOX2 value tells us the status of the application that is run in the power-pc in the robin
- To cure the problem:

1. Warm reset of robin
  - ◆ Login into the machine
  - ◆ Set the enviroment (typical alias go301)
  - ◆ "robinscope -m 1 -R" (if you don't remember "robinscope -h" for help). Resets the robin.
2. Reset the PC (if warm reset of robin has not worked).
  - ◆ Using grape (doing it directly on the PC is equivalent). Press "IPMI power down".
  - ◆ You can crosscheck that everything is down pressing "IPMI sensor" (no values should show up in any entry).
  - ◆ "IPMI power up".
3. Change robin (if warm reset of robin and PC reset have not worked).

## Useful twikis

- <https://twiki.cern.ch/twiki/bin/viewauth/Atlas/MaintenanceOfROSONonCall>

-- TeresaFonsecaMartin - 08-Feb-2011

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This topic: Sandbox > BimbaRos

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