

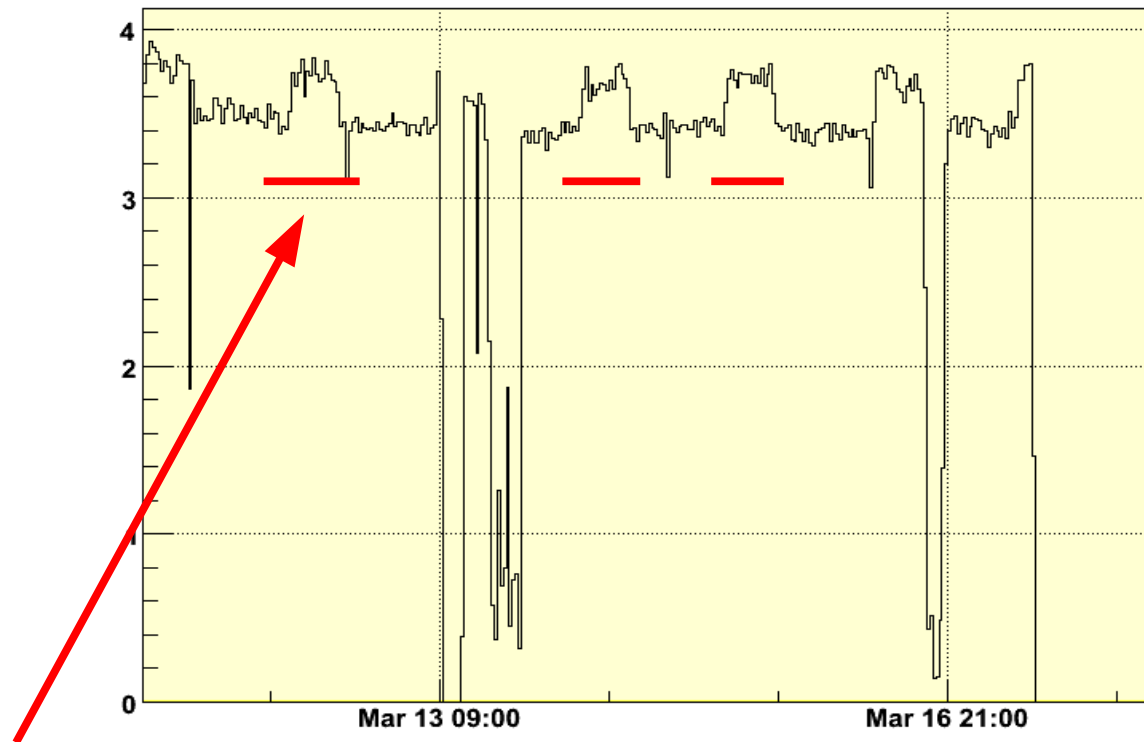
# **OD Status**

**Roger Wendell for the OD group  
TMC Meeting 20090423**

- **Status of OD Electronics**

# OD Light Leak :

OD Trigger Rate (1 week)



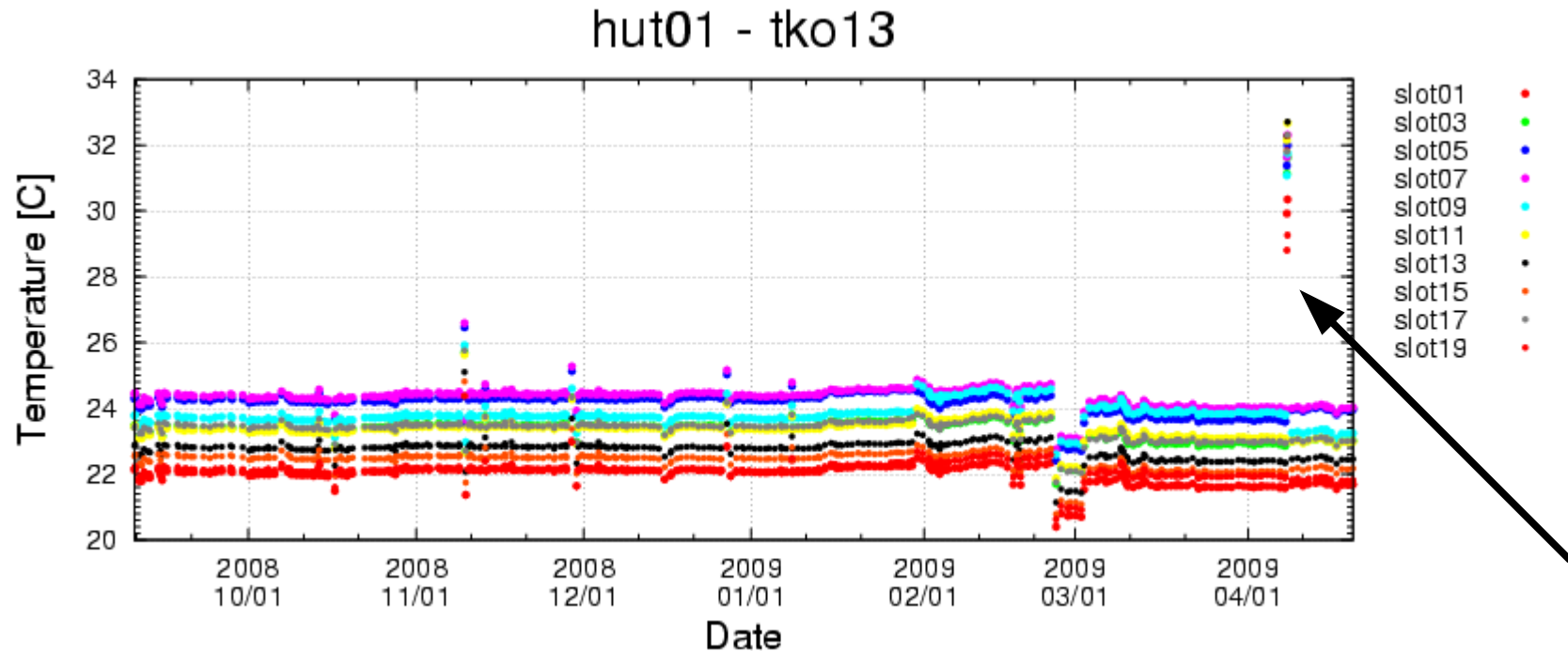
Trigger spikes occurred during first shift only (mercury lamps)

- On March 17<sup>th</sup> first shift noticed changes in the OD trigger rate that had been present since ~ March 9<sup>th</sup>
  - Caused by a loose covering on one a calibration portal behind hut 1
  - Covered during first shift March 18<sup>th</sup>
  - Problem solved

# OD TKO Power Supplies

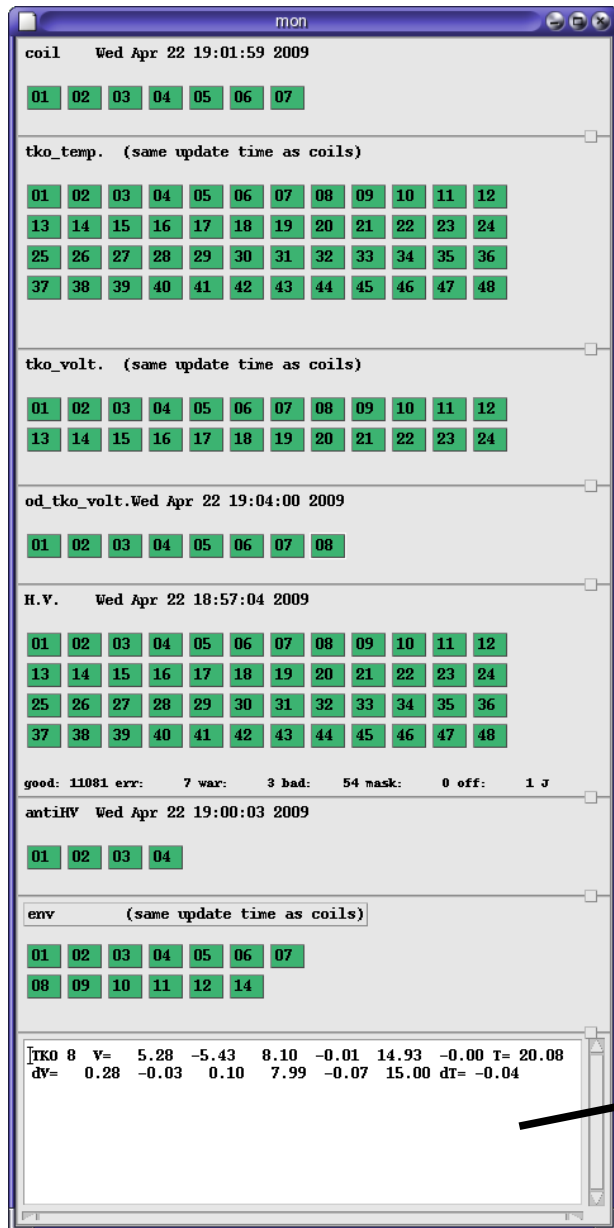
- **One OD TKO power supply that failed at the end of January and another that failed in September of last year were sent back to the manufacturer for repairs (see previous TMC talk)**
  - **Failures were due to a manufacturer's defect and has been repaired**
  - **Both supplies were replaced with spares**
- **Supply was replaced with the repaired supply on April 8<sup>th</sup>**
  - **Now all supplies are being monitored by SLC monitor**
  - **(Spare supply was incapable of monitoring)**
- **The OD now has two complete spare power supplies in case of further disruptions**
  - **Does not include loaner spare provided by Kenko ( to be returned )**

# TKO Crate Temperatures

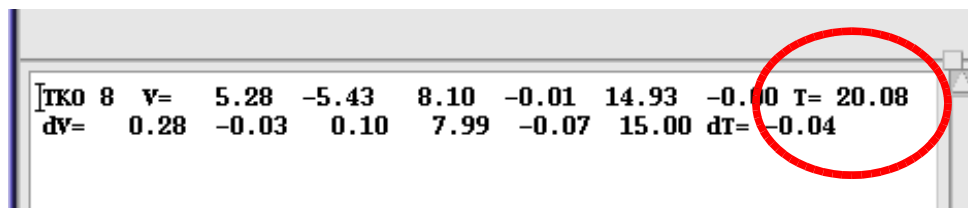


- In early April one OD TKO crate fan was accidentally left off after the OD power supply replacement:
  - The temperatures monitored by the QBEE on-board sensors rose and were noticed by Awai-san
  - The fan was later switched on
  - No damage done to the QBEEs

# TKO Crate Temperatures(2)



- This problem made us aware that the SLC monitor was not checking the temperature data from the custom cards in each OD crate
  - Temperature cards were installed in January and the Vortex monitor has been writing measured temperatures (and supply voltages) to the data file for the SLC monitor since that time.
- Hayato-san has now modified SLC to check this temperature
  - Shifter will be alerted to potential problems when either power supply voltages or temperatures are out of range



# Summary

- **OD is now running stably with repaired TKO power supplies**
  - **Two spare supplies available**
- **Light leak problem in early March was resolved**
- **SLC has been updated to monitor OD TKO crate temperatures**