

Documentation for L1CalIIB_TabGabMon.py

This is the original note by Darien:

To run this script from an online node, type

```
setup d0online  
/projects/D0I1/l1cal2b/l1cal2b_monitor/py/L1CalIIB_TabGabMon.py &
```

After a moment, you should see a gui displaying the summary errors for the TABs on the left and the errors for the GAB on the right. You might need to expand the window by clicking and dragging the lower-right corner of the border until all fields are visible (this is on the list of things to fix.) If you float the mouse over the bit number in one of the "BIT:ERROR" columns, you will see a description of what the error or status condition is assigned to that bit.

For each bit, you will see two numbers separated by a "/". These are the "global" and "local" error counters etc. The TCC counts the number of time it reads a bit in an abnormal state, and serves out these counts to the gui, in addition to the most recent reading of the bit. These "global" counts are only reset only when COOR is initialized (or if the TCC process is restarted for some reason). The "local" counts are tracked by the gui itself, and they represent the sum of counts since the user last pushed the "reset local counters" button. The idea behind this is that, since COOR is initialized quite rarely in normal running conditions, the global counters might show errors corresponding to problems that have already been fixed. So after a problem is fixed, a shifter should reset the local counters and see that they all remain at zero.

A detailed view of any of the eight tabs is brought up by clicking anywhere on the displayed bits for that tab.