

| ET/monitoring              |         |   |
|----------------------------|---------|---|
| Events on ET ring          | OK      | 1357 events in last second                  |
| EVIO->LCIO conversion      | OK      | 0 event errors                              |
| SVT DAQ                    |         |   |
| Hits in every sensor       | OK      | 36 out of 36 sensors OK                     |
| Occupancy as expected      | Error   | 5 chips high, 2 chips low, 172 chips normal |
| SVT alignment              |         |   |
| Residuals as expected      | Error   | 34 out of 36 sensors OK                     |
| Track $\chi^2$ as expected | Error   | Top OK, bottom not OK                       |
| some other test            | Cleared | everything is fine                          |

This might be a tab on the monitoring app along with the connection settings, event monitor and job settings tabs.

these fields are filled by the monitoring app, not a driver

each of these sections is a driver; if there are histograms corresponding to the diagnostics shown here, they should be available in the monitoring app

the tests get run every N events; different tests may want different N (some tests might take more time to run)

if a test fails, an error gets saved in the message log and its light turns red; if the test later passes, the light turns yellow to indicate "OK now, but there was an error earlier" - the status message is always the current status, so if there's a yellow light the shifter should look in the message log for the status associated with the error

shifter instructions will be of the form "if you get errors in this section, you call this expert; if errors in multiple sections, start at the top of the list" (i.e. if a failure in one system could cause errors in lots of drivers, the more basic tests go higher in the list)