

# Online Consumer Monitors status

Nov 14th, 2001  
CDF Th. Meeting  
Kaori Maeshima

## – Consumer Monitors:

- TrigMon,
- XMon,
- YMon,
- LumMon,
- ObjectMon,
- BeamMon,
- SiliMon,
- Stage0,
- L3RegionalMon,
- SVXMon,
- EventDisplay

## – New Additions Coming up:

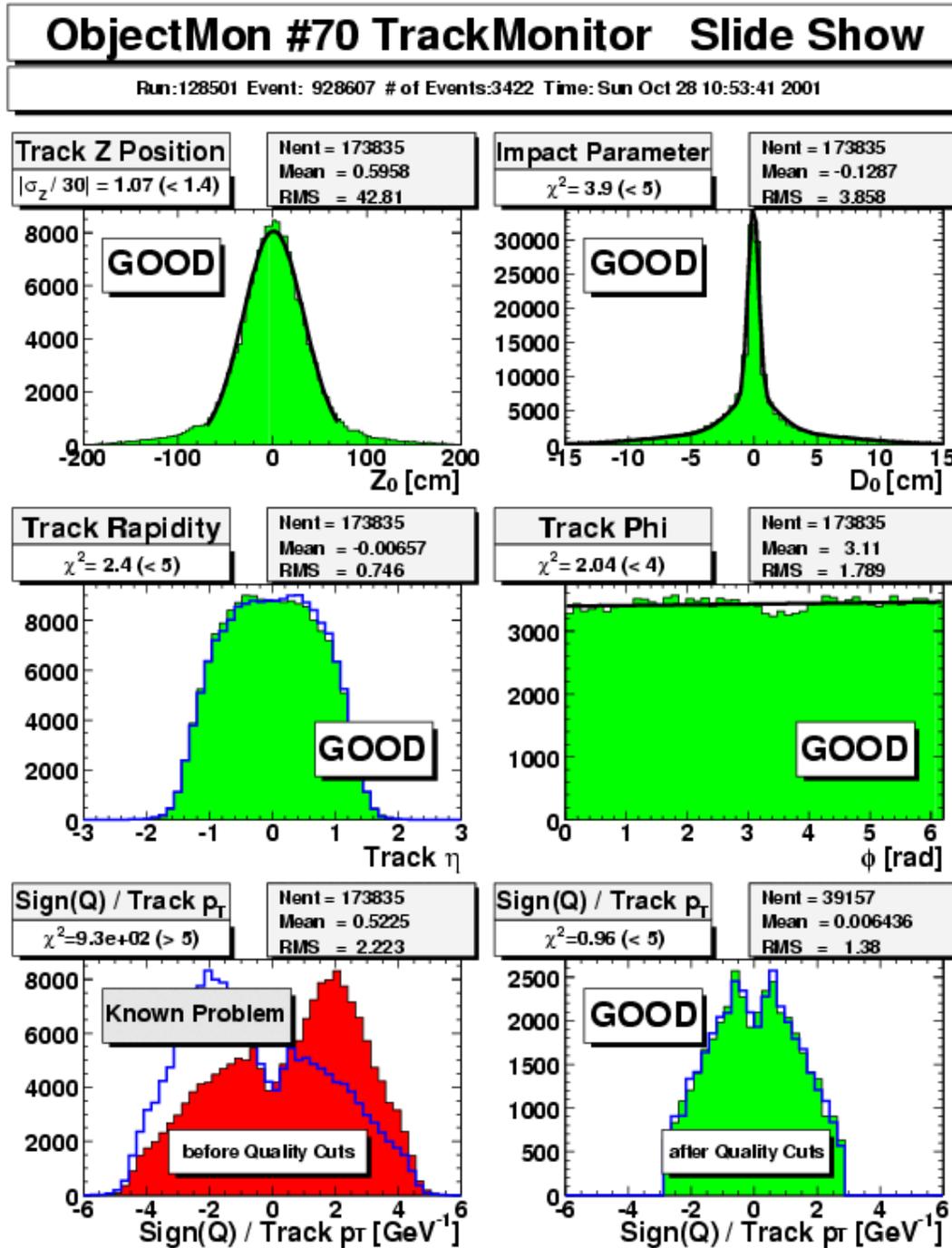
- DAQMon,
- SVTSPYMon,

– Current cdfsoftb0 release: based on 4.1.0int3 which includes DAQMon.

– In a process of building a new cdfsoftb0 release: based on 4.1.0int4 with up to date consumer monitors and DBANA.

Problem with tracking (crashes SiliMon, L3regionalMon), SVXMon crash due to TLatex prob., etc., still needed to be sorted out.

# Example: ObjectMon TrackMonitor Slide



**Issue related to "Selecting Events by a trigger name or trigger bit number".**  
(for example, YMon to get Mini-Biased events.)

We have done series of tests. Last test we did (Nov. 6th) using two cosmic ray tables showed:

**"Selection" worked fine with one of the table. But did not work at all with the other table.**

Detailed study in this test indicates:

**Problem is likely in the translation of L1 TFRD information done in the output stage of Level3. The CSL see this translated L1 TFRD information, not the TFRD bank itself.**

**→ notified to the relevant people, and waiting for debug/fix.**

## Issue related to "automatic start/stop of the consumer monitors"

Right now, we can start all the monitors by typing a single command:

```
./startMon.sh All <partition#>
```

and stop by hitting **CRL+C** in the each monitor process x-window.

We would like to start/stop automatically by a proxy which knows the run status.

**At the end of run:**

Consumers are not guaranteed to receive an end of run record, yet need something like that to process necessary end of run business in a timely manner, in order to send end of run summary to the run\_control error/summary receiver and record it in a database.

**Current Status:**

- Proxy is tested that it starts up all the consumer monitors fine.
- Proxy still can not send an appropriate signal so that consumer monitors terminate with proper end of run procedure, yet.

**Consumer Central Error Receiver** is routinely running now.

There is a web page, showing error messages coming from each consumers.

[http://wwwb0.fnal.gov:8000/consumer/consumer\\_error.html](http://wwwb0.fnal.gov:8000/consumer/consumer_error.html)

Serious messages (must be registered) are sent to Run\_Control ACE window with specific action associate with each error. (example: sync error from XMon)

Registered Errors can be seen at:

<http://www-b0.fnal.gov:8000/consumer/errordocu/registMessages.html>

At the end of run from each consumer monitor, end of run summary is produced and send to the run\_control message receiving/display page, as well as stored in a database. This can be viewed from:

<http://b0dap30.fnal.gov:8080/servlet/CdfConsumerServlet>

– All the old .root files from the collision data have been **archived on CDs**. Information is at:

[www-b0.fnal.gov:8000/  
consumer/framework/consumer\\_results\\_status.html](http://www-b0.fnal.gov:8000/consumer/framework/consumer_results_status.html)

**all these web pages are linked from:**

[www-b0.fnal.gov:8000/  
consumer/home/consumer\\_home.html](http://www-b0.fnal.gov:8000/consumer/home/consumer_home.html)