Consumer Monitors

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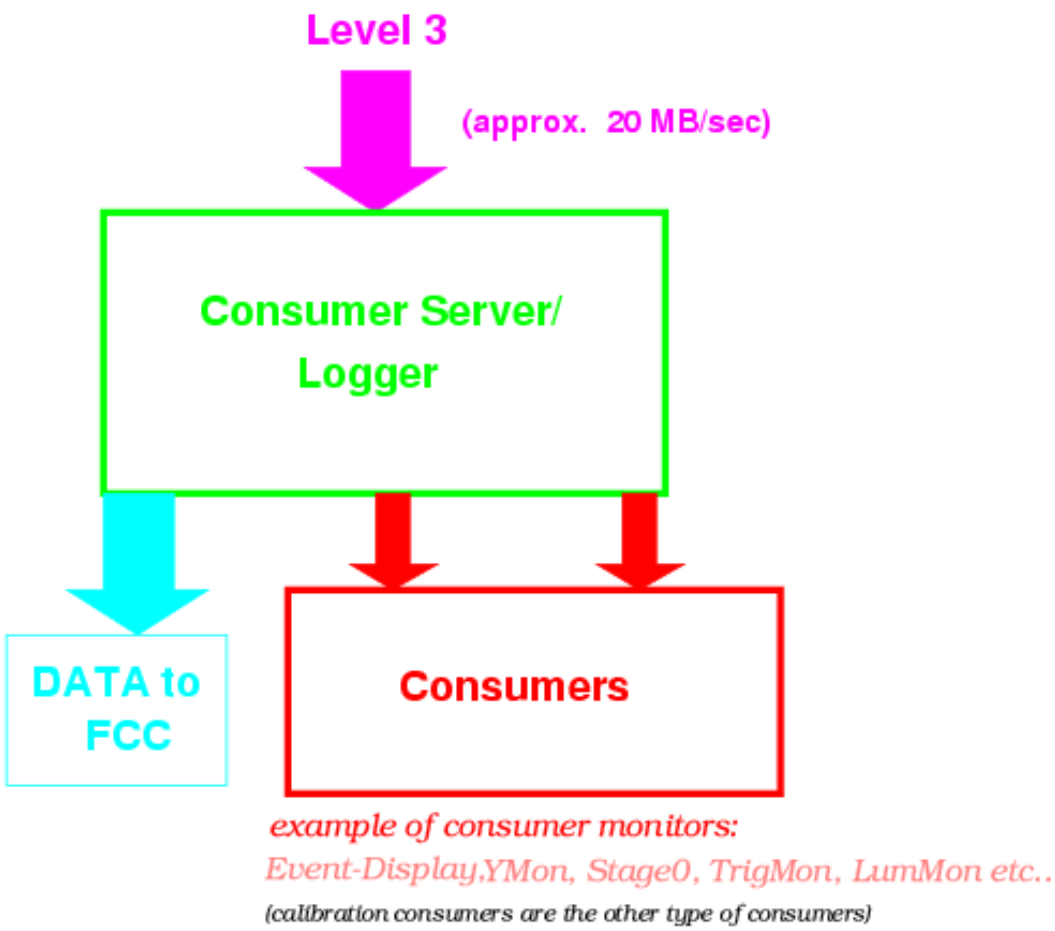
- Consumer Framework Overview
- Consumer Operation at Control Room

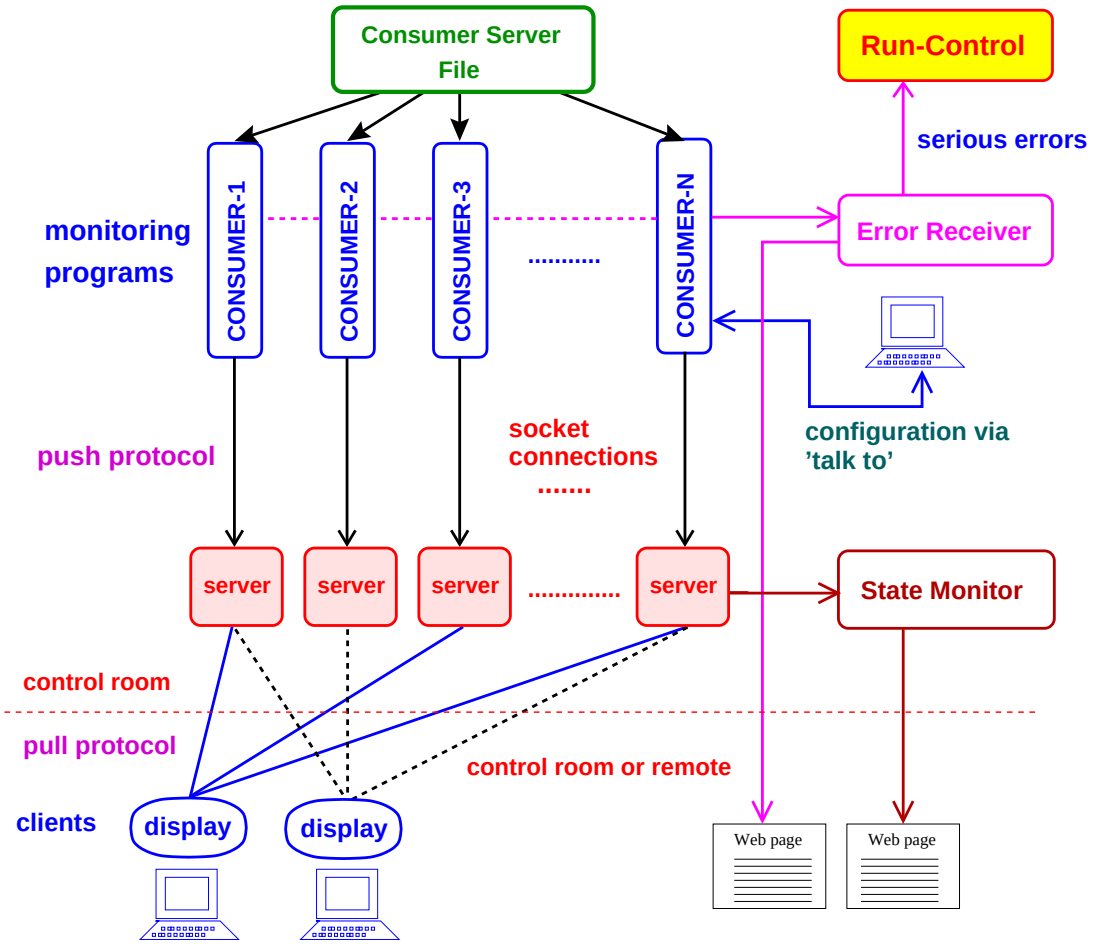
CDF RUN II Consumer Home Page
http://www-b0.fnal.gov:8000
/consumer/home/consumer_home.html

How consumers get data?



1. **Level 3**
   - **Final level of event filtering.**
2. **Consumer Server / Logger (CSL)**
   - **Writes events passing Level 3 to disk.**
   - **Serves events to consumers.**

Consumer Framework Components



1. **Consumer**
   - Analyse and monitor the event data from CSL.
   - Send error messages to the error receiver.
2. **Server**
   - Receives ROOT objects from consumer via socket.
   - Reports the status of consumers to the state manager.
3. **Display (HistoDisplay)**
   - Receives ROOT objects from server via socket.
   - Updates objects (histograms, tables, etc.) on canvas.

CO Help Page

http://www-b0.fnal.gov:8000/cohelp/cohelp.html

Netscape: Consumer Operator Home Page

File Edit View Go Communicator Help

Back Forward Reload Home Search Netscape Print Security Shop Stop

Bookmarks Location: http://131.225.236.1:8000/cohelp/cohelp.html What's Related

E-Log | Runs last 8 hrs | CDF E-Logs | Consumer Status | CDF Ops | cdf online | cdfhome | ACE Info | Phone List

CO Information for Run II

Things every CO should know; the old CO help page still contains some information not included here. Additional information may be found on the ACE help Page.

What CO's should do

- Running/restarting the consumers.
- Restart the consumer displays
- CDF electronics logbooks (e-logs)
- Use the CDF consumer displays to monitor incoming data or to look at past runs
- Compare slide show and other histograms to reference histograms
- Calibrations and viewing their results with DBANA.
- Use the Event Display

Consumer Monitors (Home Page, Status Page, List of Monitors)

General considerations for viewing monitoring plots

- YMon
- TrigMon
- XMon
- LumMon
- EventDisplay
- SVXMon
- ObjectMon
- BeamMon
- SiliMon
- Stage0 (COT)
- SPYMon
- L3RegionalMon

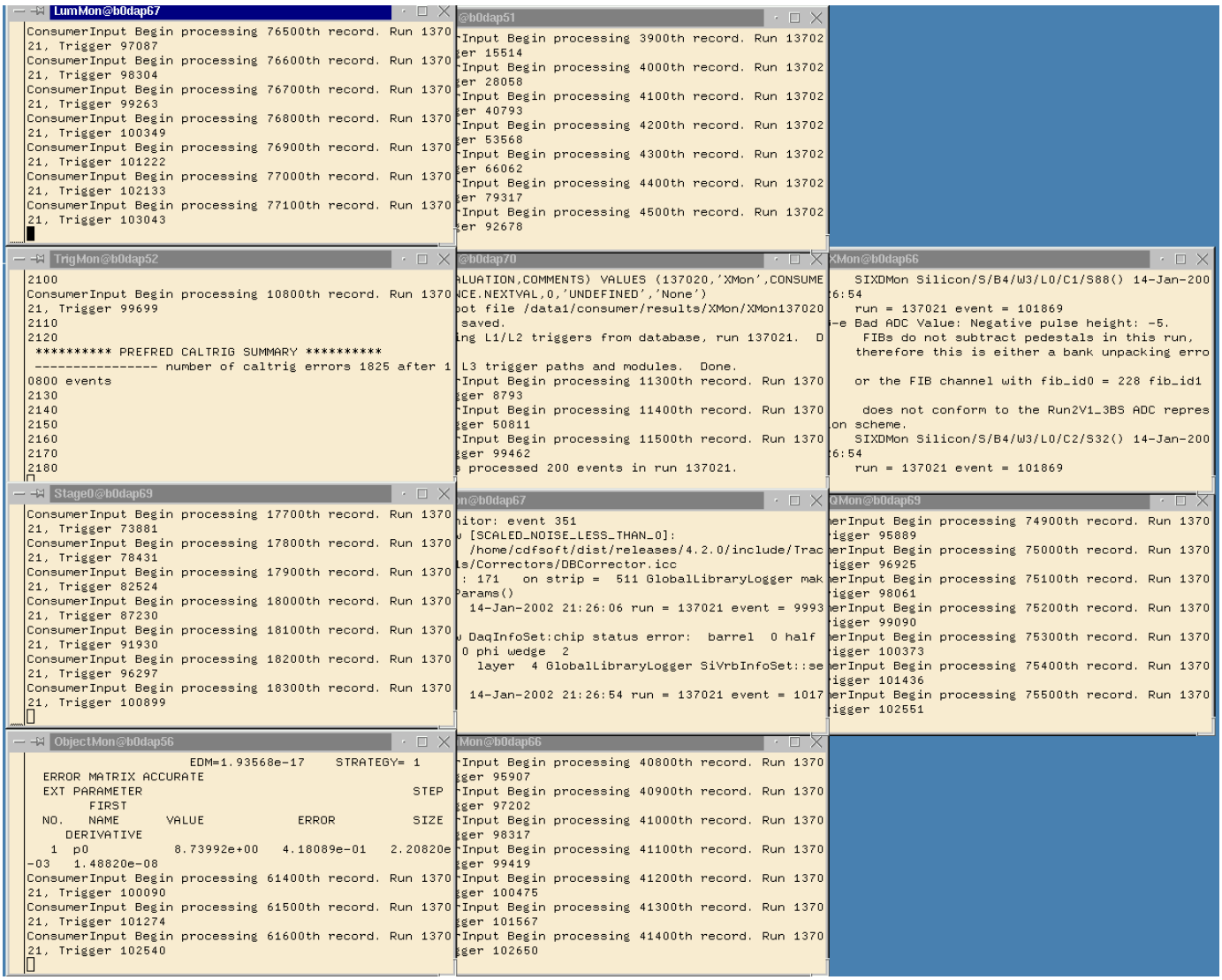
FAQs

Last update: 18-Oct-2001 RJT
To update this page, follow these instructions.
Security, Privacy, and Legal

100%

How to start consumer monitors

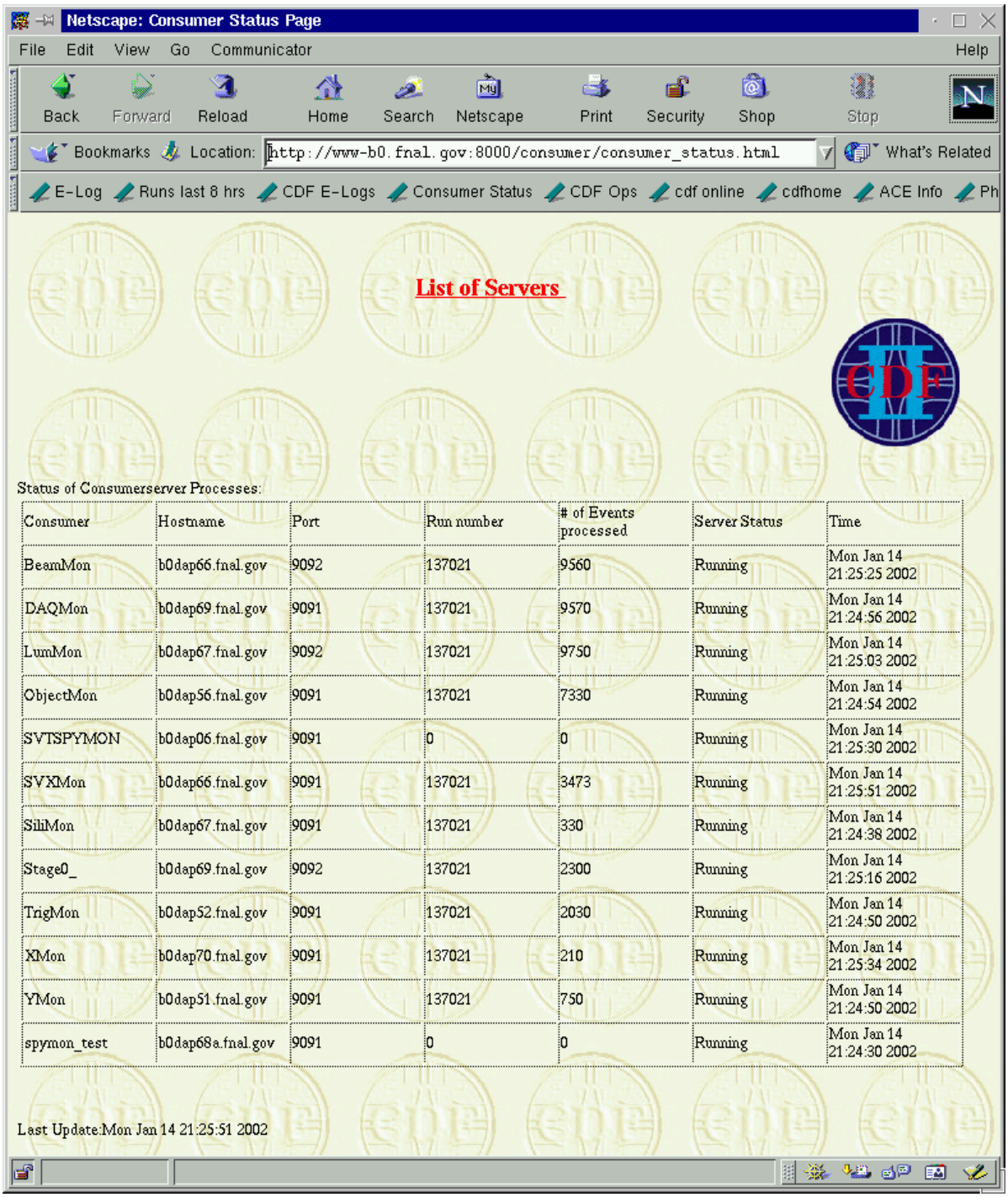
1. Go to /cdf/people1/cdfdaq/consumer_scripts directory on b0dap51
   (Type : cd consumer_scripts)
2. Type : ./startMon.sh All $< PartitionID >$
3. Server for each consumer start automatically.



Consumer Status Page

1. **Before attach a consumer to HistoDisplay, make sure that the consumer appears on the consumer status page (minimum 10 events).**

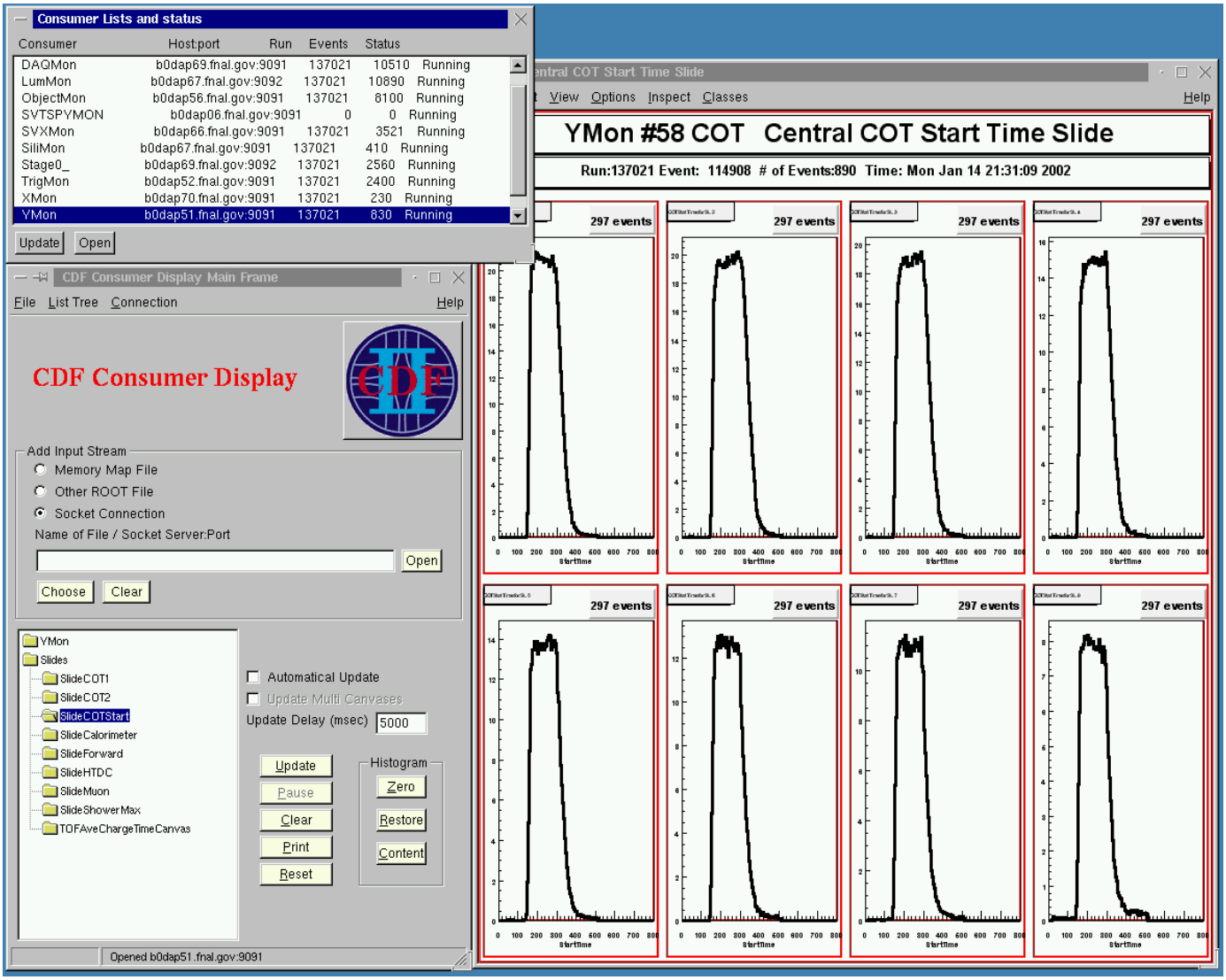
http://www-b0.fnal.gov:8000/consumer/consumer_status.html



Consumer	Hostname	Port	Run number	# of Events processed	Server Status	Time
BeamMon	b0dap66.fnal.gov	9092	137021	9560	Running	Mon Jan 14 21:25:25 2002
DAQMon	b0dap69.fnal.gov	9091	137021	9570	Running	Mon Jan 14 21:24:56 2002
LumMon	b0dap67.fnal.gov	9092	137021	9750	Running	Mon Jan 14 21:25:03 2002
ObjectMon	b0dap56.fnal.gov	9091	137021	7330	Running	Mon Jan 14 21:24:54 2002
SVTSPYMON	b0dap06.fnal.gov	9091	0	0	Running	Mon Jan 14 21:25:30 2002
SVXMon	b0dap66.fnal.gov	9091	137021	3473	Running	Mon Jan 14 21:25:51 2002
SiliMon	b0dap67.fnal.gov	9091	137021	330	Running	Mon Jan 14 21:24:38 2002
Stage0_	b0dap69.fnal.gov	9092	137021	2300	Running	Mon Jan 14 21:25:16 2002
TrigMon	b0dap52.fnal.gov	9091	137021	2030	Running	Mon Jan 14 21:24:50 2002
XMon	b0dap70.fnal.gov	9091	137021	210	Running	Mon Jan 14 21:25:34 2002
YMon	b0dap51.fnal.gov	9091	137021	750	Running	Mon Jan 14 21:24:50 2002
spymon_test	b0dap68a.fnal.gov	9091	0	0	Running	Mon Jan 14 21:24:30 2002

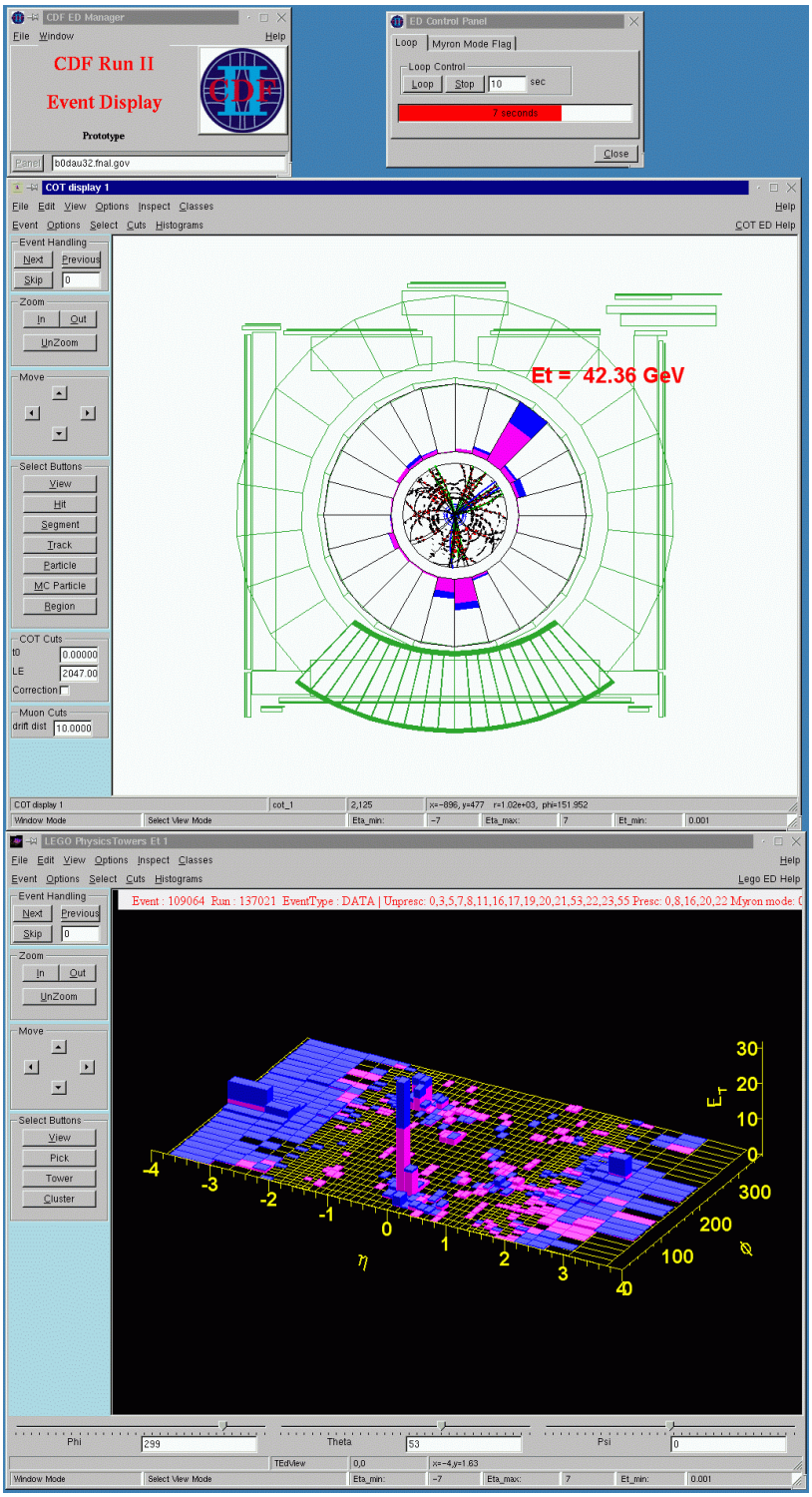
How to start HistoDisplay

1. Go to /cdf/people1/cdfdaq/consumer_scripts directory on b0dap51
2. Type : ./startDisplay.sh All
3. HistoDisplays appear on top and bottom screens of b0dap52, 55 and 56



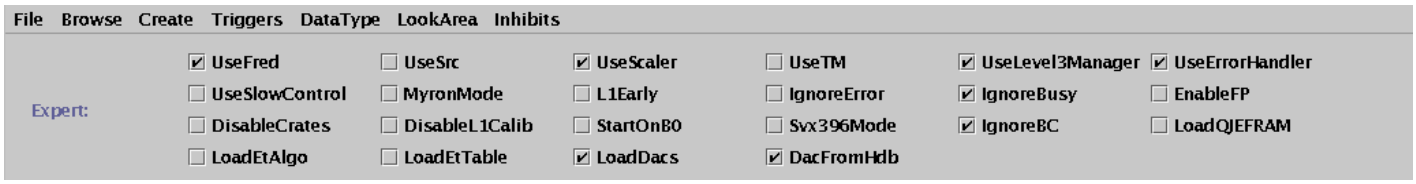
How to start Event Display

1. **Go to /cdf/people1/cdfdaq/consumer_scripts directory on b0dap50 (left most terminal).**
2. **Type : ./startEvd.sh** $< PartitionID >$



Odds and Ends

- Tell the CO the partition ID on which you start taking data. In general, it is a good idea to tell CO when you are starting/stopping a run.
- Check “UseLevel3Manager” is enabled in the Run Control. If not, conumers can not start running.



- Please help COs.
- Old root files (monitor output files) can be found in /data1/consumer/results/xxxxMon area and older root files can be found in /cdf/cdf-cf-data1/results/xxxxMon area. One can use the same HistoDisplay GUI as used on online to view these root files.
- When you find any problems in consumer monitors in general, please notify us, consumerframework people:
(send mail to maeshima@fnal.gov, page:online monitor 266-2705, etc...).