Online Time Histories

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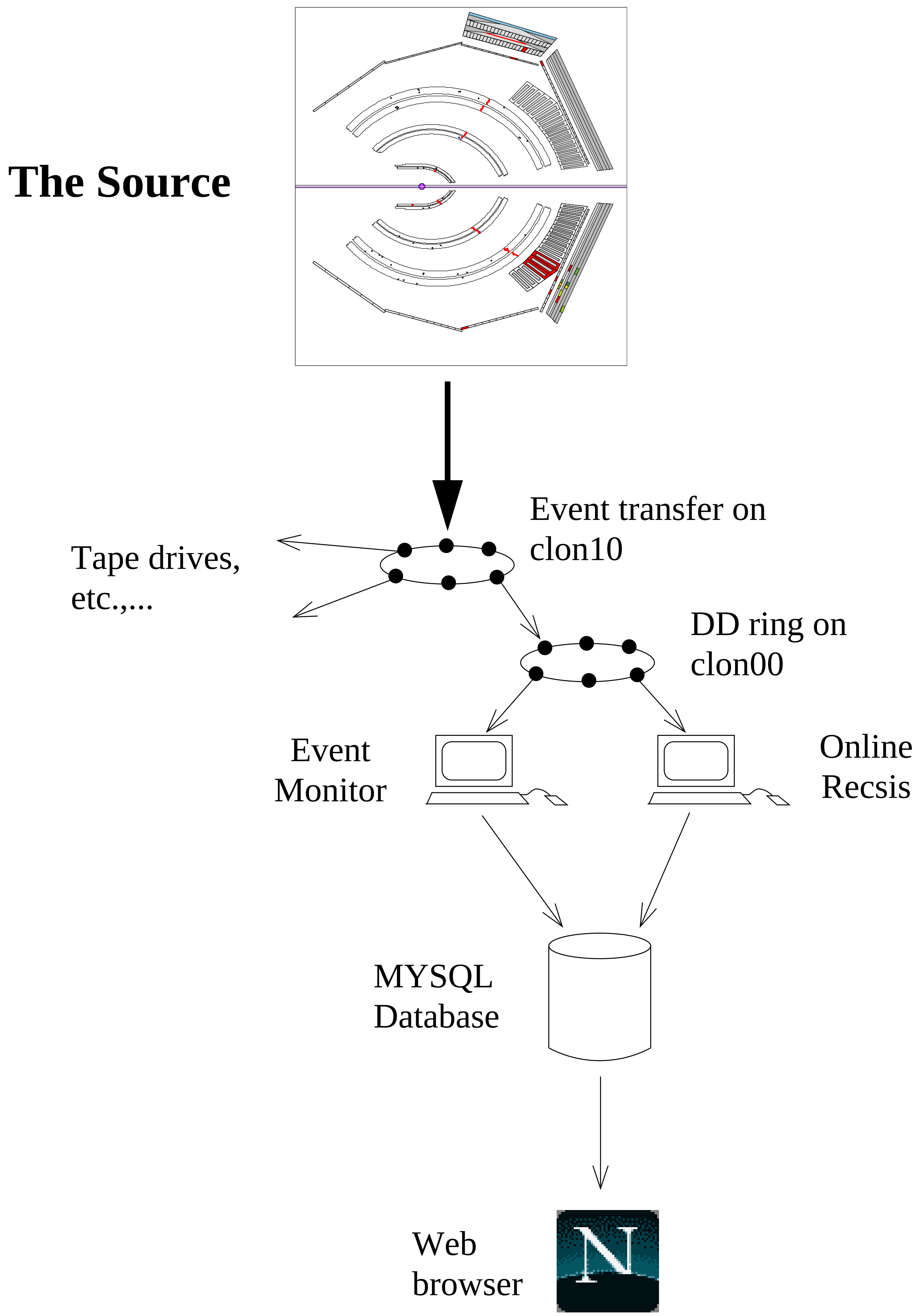
Goal. Provide web-based tools to assess to the current CLAS data quality.

Status. The tools are working and in place. More input is needed from detector groups.



The Source
Event transfer on clon10
Tape drives, etc.,...
DD ring on clon00
Event Monitor
Online Recsis
MYSQL Database
Web browser
N

Pick one of the links below for time histories of CLAS online variables. Data wil be shown for the last 24 hours.

Event Monitor variables

Clas Words by sector
Drift chamber average words by sector
Cerenkov detector average words by sector
CLAS Time of Flight detectors average words by sector
CLAS Forward Angle Calorimeter detector average words by sector
CLAS Large Angle Calorimeter detector average words by sector

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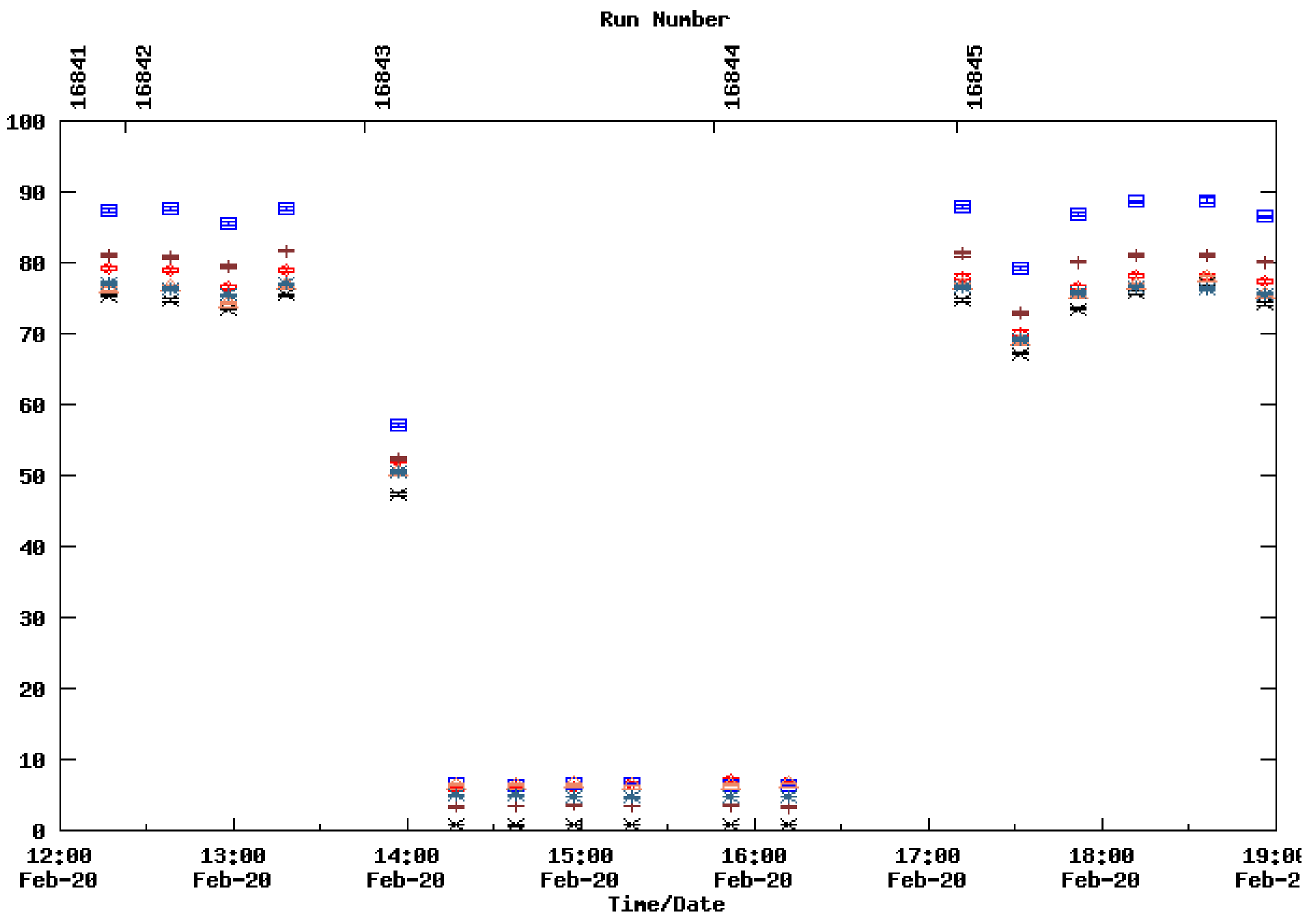
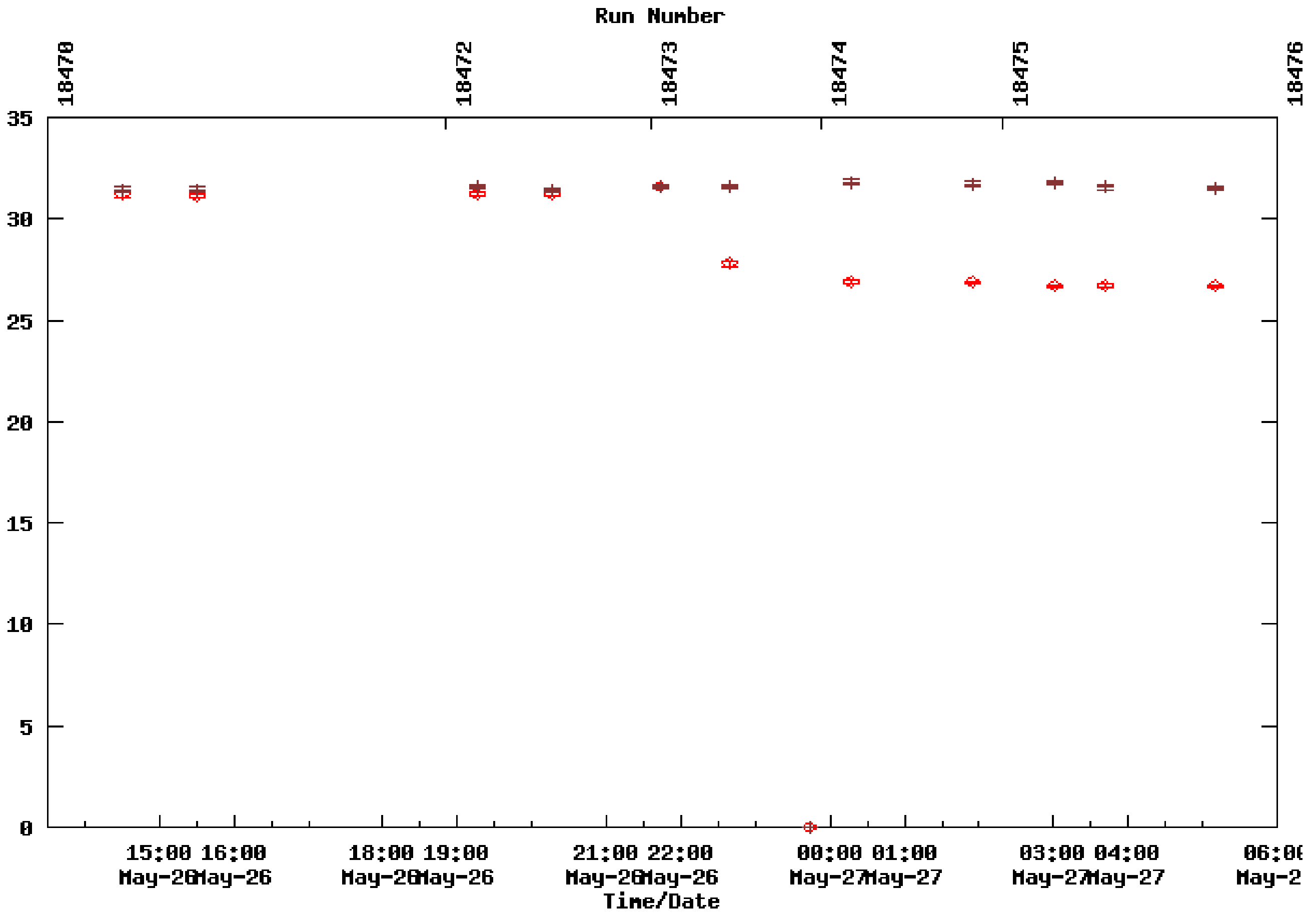
RECSIS Online variables:

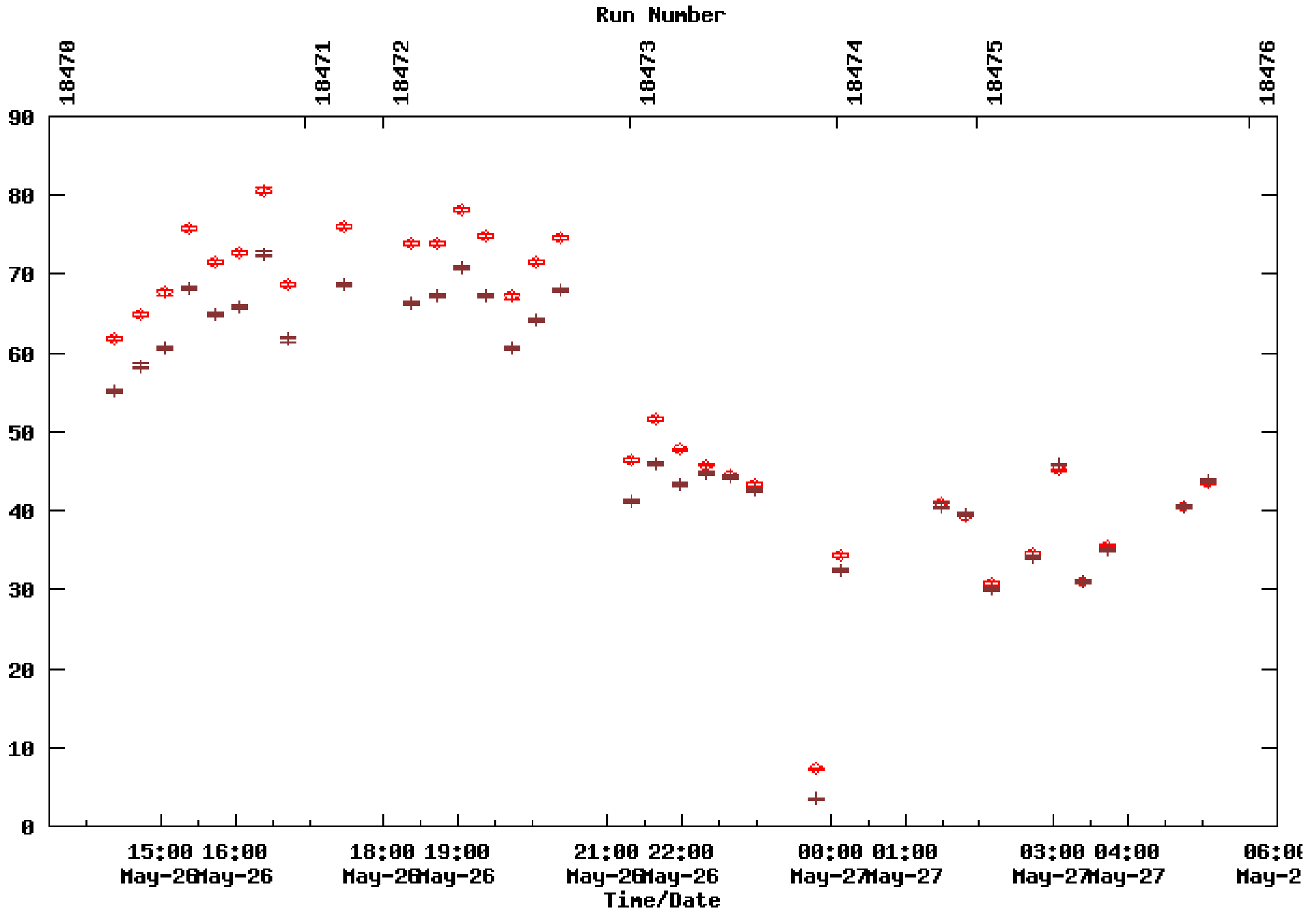
Average Number of reconstructed tracks per event
Average Number of DC hits per event per sector
Average Number of DC hits per Track
Region I residuals
Region II residuals
Region III residuals
Region I width of residual distribution
Region II width of residual distribution
Region III width of residual distribution
Elastic Peak location per sector
Region I Tmax
Region II Tmax
Region III Tmax



Drift chamber average words per event for all sectors for February 20.



Drift chamber hits per track for sector 3 (red) and sector 4 (brown) for May 26-27.



Drift chamber average words per event for sector 3 (red) and sector 4 (brown) for May 26-27.

Status

1. It has been in place and working since January.
2. New features have been added to the tools and they have been made more robust.
3. Demonstrated the capability of monitoring the current CLAS data quality.
4. It will be part of the shift tasks for g8.

To Be Done

1. Make the code more robust.
2. Add alarms.
3. GET MORE HELP/INPUT FROM THE DETECTOR GROUPS!