CAL Calibration Procedure Details

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26 March 2008

Overall Assumptions

- NRL responsible for running/ monitoring calibration constant s/w (e.g. calibGenCAL)

- LPTA responsible for running/ monitoring GCRcalib (i.e. GCRrecon and GCRselect)

- Coordination with Anders/ISOC re interface to ISOC trending

- Per Run (1 Orbit)
  - GCR rate trending
    - Orbit timescale
    - Run automatically
    - Add data for run to trending "DB"
- Per Day (16 Runs)
  - GCR rate trending
    - Day timescale
  - Monitor GCRcalib output (LPTA)
  - Proton/CNO "bootstrap" mevperdac calibration (NRL@SLAC)
  - Calib. constant trending
    - Run automatically
    - Add data for day to trending "DB"
  - Calib data review (NRL AND LPTA independently)
  - Update calib DB if necessary
    - Comparison to most recent calibration
    - Develop std criteria for update
    - Details depend on what we observe
- Per N Days (N=1 initially, larger later)
  - EVO conf. between NRL, LPTA

- Per Week
  - GCR rate trending
    - Wk timescale
  - Full GCR calibration (NRL@SLAC)
  - Calib constant trending
  - Comparison of weekly GCR calib to daily bootstrap calib (NRL AND LPTA independently)
  - Update calib DB if necessary
  - Threshold review (NRL)
    - "suspect" CALLO, CALHI, LAC
  - Full NRL/LPTA/ISOC EVO conference to review all of above