

## NOAA-18 reprocessing note

In June 2006 it was learned that the NOAA-18 Total Energy Detector (TED serial number 0013) calibration data that had been used in creating the NOAA-18 archive files was a preliminary version. A final version of that calibration data set was obtained. A comparison between the preliminary version that had been used and final version showed differences significant enough to warrant reprocessing of NOAA-18 data from June 7, 2005 to the present.

The reprocessed NOAA-18 archive files will have changes in TED energy flux values and many of the data quality flags from the original. In addition, estimates of hemispheric power input, that are made using TED data, will have small changes from the original values. However, all Medium Energy Proton and Electron Detector (MEPED), orbital, housekeeping, and status data remains unchanged between the new and original version of the NOAA-18 archive files.

Appendix C of the SEM-2 archive documentation has been updated to reflect the changes in the TED serial number 0013 calibration data.