June 4, 2008 – NPP FM5 Reports

CERES RDR Processing

- Work continues on the Level-0, ephemeris and attitude preprocessor. The sample HDF ATT/EFF file can be read. Currently code is being developed with HDF5 1.6.7. Now thinking about how to construct a test file generator code, since real sample data may not be available until Feb. 2009. (Alford)

VIIRS Radiance/Geolocation Subsets

- Received an orbit of VIIRS from Land PEATE. A lot of communications with Land PEATE, received an example of pcf file from Land PEATE, wrote VIIRS Radiance/Geolocation portion of ICD, extracted/parsed scan time from the global attribute and build scan time SDS, wrote a pcf file generator, used currently subsetter to run through an hour. (Chen, Sun-Mack)

VIIRS Aerosol Reader

- Received an orbit of AOT data from Land PEATE. Inspected AOT product, a lot of communications with Land PEATE, wrote VIIRS AOT portion of ICD, read AOT product. It's understood that the format of VIIRS AOT will be changed before and after launch. Therefore, VIIRS Aerosol will not be subsetted.   (Sun-Mack)

Toolkit Issues

- No report received.

System Engineering/Management Topics

- Produced draft level 3 requirements for the Earth Radiation PEATE. Currently under internal review. (Closs)