

## Summary/Action Items

### Instrument group

- ~~Terra Edition2 gains and spectral response function delivery through end of March 2010.~~
- Adopt a 3-month Ed2 gain delivery schedule (down from 6 months).
- Edition3 instrument improvements:
  - Finalize FM1 and FM2 SRFs through end of March 2010 once Ed2 Terra SSFs available.
  - Finalize FM3 & FM4 gains through March 2010 and BOM SRFs
  - Finalize FM3 & FM4 SRFs through December 2007, and March 2010 once Ed2 SSFs available from Magneto.
  - Paper summarizing Ed3 calibration approach and validation (BOM SRF, gains, SRFs, etc.). CERES+AIRS paper by Xianglei Huang.

### Clouds

- Edition3 delivery July 25 2010 (1-month delay due to AMI instability).
- Continue Edition3 validation efforts with Cloudsat, CALIPSO, ARM.
- De-stripping algorithm to be run at full-res. at GSFC for Collection 6 prior to subsampling?
- ~~Understand and mitigate against differences between SGI and P4 Edition2 cloud properties.~~
- ~~Submit IEEE papers (3) in preparation on CERES cloud property retrievals/validation?~~

### SOFA

- ~~Submit remaining validation paper (Gupta/Kratz)?~~
- Refine cloud transmittance calculation.
- Examine reason for large differences with C3M over Ocean.
- Edition3 improvements in line with clouds' schedule.

### SARB

- Ed3 improvements.
- CRS methodology/validation papers?
- Surface flux comparison: SYN/AVG/ZAVG vs ISCCP vs SRB vs BSRN. Prepare validation paper (David Rutan?)

## **TISA**

- Promote Terra SSF1deg\_lite and SYN1deg\_lite to Edition2.5 status. Release 10-year CERES Terra dataset (ASAP). Goal is to stay within 6 months of data acquisition (at least for SSF1deg\_lite). SYN1deg\_lite depends upon having GGEO processed.
- Final changes to new ordering tool before it goes “live”.
- Deliver Lite code to CM (Doelling & Loeb)
- Establish node with Earth System Grid for use in IPCC AR5
- Paper on 10-year CERES record (using Terra Lite data) (Loeb et al).
- SRBAVG: Deliver code that mitigates MTSAT problem so Dave can focus on other TISA issues.
- Hourly GGEO for July 2003 for Mighua Zhang.
- Test normalization for hourly vs 3-hourly GGEO. Improve GEO vs nonGEO trend consistency.
- ~~Edition2 ISCCP-D2-like MODIS-only, GEO-only products (November 2009).~~
- Edition2 MODIS+GEO Merged ISCCP-D2-like products (May 2010)
- ISCCP-D2-like CERES fluxproduct (Aug 2010).
- Submit paper(s) (SRBAVG; SYN/AVG/ZAVG; ISCCP-like)?
- Ed3 Data Product Catalogue and Edition3 improvements.
- Extend EBAF to 10-year record (Summer 2010).
- Deliver EBAF code to CM (Loeb, Doelling)

## **Data Management:**

- Complete Terra SSF Ed2 processing through March 2010 on Warlock (May 2010).
- Ed2 SSF Aqua processing for Jan 2008-Mar 2010 on Magneto (June 2010).
- Production on AMI (ASAP). Develop scripts for every CERES PGE to perform input file checking, SGE submit command and environment setup.
- Continue efforts for improving efficiency (e.g., code optimization; delivery process; SunGrid Engine, etc.).

**Next CERES Science Team Meeting:** September 13-16, 2010, Paris, France (Joint with ScaRAB/GERB/LMD)