

## Summary/Action Items (Updated from Spring 2010 Meeting)

### Instrument group

- ~~Terra Edition2 gains and spectral response function delivery through end of March 2010.~~
- Adopt a 3-month Ed3 gain delivery schedule (down from 6 months) or is 5 months the best we can do?
- 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.~~
- Prepare for NPP

### Clouds

- ~~De-striping 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 3<sup>rd</sup> IEEE paper on CERES cloud property retrieval/validation~~
- Edition4 delivery. 2 weeks?
- Continue validation efforts with Cloudsat, CALIPSO, ARM.
- Refine strategy for VIIRS NPP

### ADM TOA Flux

- Continue clear sky ADM development. Include MODIS calibration adjustments from clouds?
- Move to clouds soon.
- Merged Terra and Aqua ADMs?
- Adopt and refine validation tests (multiangle consistency, direct integration, etc).

## **SOFA**

- ~~Submit remaining validation paper (Gupta/Kratz)?~~
- Refine cloud transmittance calculation.
- Examine reason for large differences with C3M over Ocean.
- Edition4 improvements in line with clouds' schedule
- Varying aerosols with MATCH?

## **SARB**

- ~~Surface flux comparison: SYN/AVG/ZAVG vs ISCCP vs SRB vs BSRN. Prepare validation paper (David Rutan?)~~
- Ed4 improvements.
- CRS methodology/validation papers (Charlock et al)?

## TISA

- ~~Promote Terra SSF1deg\_lite and SYN1deg\_lite to Edition2.5 status. Release 10-year CERES Terra dataset (ASAP).~~
- ~~Final changes to new ordering tool before it goes "live".~~
- ~~Deliver Lite code to CM (Doelling & Loeb)~~
- ~~SRBAVG: Deliver code that mitigates MTSAT problem so Dave can focus on other TISA issues.~~
- ~~Test normalization for hourly vs 3-hourly GGEO.~~
- ~~Edition2 ISCCP-D2-like MODIS-only, GEO-only products (November 2009).~~
- ~~Edition2 MODIS+GEO Merged ISCCP-D2-like products (May 2010)~~
- ~~Extend EBAF to 10-year record (Summer 2010).~~
- ~~Deliver EBAF code to CM (Loeb, Doelling)~~
  
- Establish node with Earth System Grid for CMIP5
- Improve SW GEO vs nonGEO trend consistency (Loeb et al)
- Finalize and deliver EBAF-TOA Edition2.5B for CMIP5 (Loeb et al)
- Deliver CERES fluxbycloudtype code and create simulator for fluxbycloudtype product
- Edition4 improvements (Sun, Doelling et al).
- More testing with Hourly GGEO (Doelling et al)
- EBAF-SURFACE (Kato et al)
- Submit paper(s) (SRBAVG; SYN/AVG/ZAVG; ISCCP-like) (Doelling et al)
- Submit paper on 10-year CERES record (using Terra Lite data) (Loeb et al; Norris et al.).
- Submit paper of recent CERES+ocean heat storage results (Loeb et al)
- Submit diurnal cycle paper (Patrick Taylor)

## **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).~~
- ~~Develop scripts for every CERES PGE to perform input file checking, SGE submit command and environment setup.~~
  
- Production on AMI (ASAP).
- Continue efforts for improving efficiency (e.g., code optimization; delivery process; SunGrid Engine, etc.).
- Continue stressing need to be able to run two SSF streams simultaneously in production

## **All:**

**Next CERES Science Team Meeting:** October 4-6, 2011, LLNL, Livermore, CA

- **Please sign up.**