

Summary/Action Items

Instrument group

- Complete work on modifying FM3 beginning of mission spectral response function to reduce scene dispersion with FM4.
- Continue FM3 and FM5 intercomparisons. Incorporate latest gain and SRF changes for FM3 in the intercomparisons.
- Is there a noticeable scene dependence in the FM3/FM5 comparisons? How much sampling (overlap) do we need to address this?
- Comparisons with ScaRaB for the fall CERES STM (joint with ScaRaB and GERB)?

Clouds

- Find out reason for differences between Clouds Ed4 runs on AMI (SCF) and AMI-P (production). Determine extent of the problem by running more months. Joint effort with CERES DMT and ASDC.
- Monitor VIIRS status and assess impacts of degradation in VIIRS responsivity on CERES cloud mask and cloud properties.

ADM TOA Flux

- Continue Ed4 ADM development and assessment of Ed4 Clouds from ADM perspective.
- Merged Terra and Aqua ADMs for ED4?
- Adopt and refine validation tests (multiangle consistency, direct integration, etc).
- Neural network challenge: can it be extended to provide a cloud screen that outperforms ERBE-like?

SOFA

- Edition4 improvements in line with clouds Ed4.
- Comparisons with SARB fluxes (e.g., CRS).
- Comparisons with WHOI ocean buoy data?

SARB

- Add EBAF-SFC to Obs4MIPS archive.
- Submit EBAF-SFC journal paper?
- Continue Edition4 Improvements and validation plan.
- Comparisons with WHOI ocean buoy data?

TISA

- Submit TISA TOA paper. Start TISA paper summarizing surface radiation results (joint with SARB).
- Update lite products and EBAF Ed2.6r through end of 2011.
- Submit updated of EBAF to Obs4MIP archive.
- Deliver CERES fluxbycloudtype code and create simulator for fluxbycloudtype product
- Continue work on Edition4 improvements
- More testing with Hourly GGEO (joint with Clouds)
- Submit diurnal cycle paper (Patrick Taylor)

Data Management:

- Continue partial automation effort in time to speed up Ed4 SSF processing.
- Incorporate other subsystems into partial-automation system.
- Continue processing SSF Ed1-CV. Goal is to release updates to Lite and EBAF products at 6-month intervals (timed with spring and fall CERES science team meetings).
- Continue SYN1deg Ed3 processing.

Subsetter Group

- Add FLASHFLUX Level 3 subsetting/visualization/ordering
- Subsetter challenge: provide anomaly maps for any given variable

S'COOL

- Provide some analysis of 100,000 student cloud observations.
- Probably requires more effort than what can be accomplished by one summer student alone.

All:

Next CERES Science Team Meeting: October 22-26, 2012, GFDL, Princeton, NJ

-THANK YOU JIM and SARA !!!!

-SAFE TRAVELS