

Table 1: October 25, 2000 - Subsystem Status.

SS No.	SS Lead	Status	Problems
1.0	Escuadra /Cooper	<ul style="list-style-type: none">• Continuing analysis of the TRMM data. (Hess, Spence)• Working on Coastline Detection to gather all data days when FM1 and FM2 are both in Crosstrack mode. (Spence)• Delivered updated SS1 code to CM. (Cooper)• Updated the Terra Available web pages to now include monthly percent of usable CERES data for FM1 and FM2. Rerunning all existing data to have this new information appear for each data month. (Cooper)• Began work on post-processor to read a TRMM BDS and correct the radiances for crosstalk. (Szewczyk)• Beginning work to add the ability to have Solar Geometry data on the BDSSs. Output product generation and scan processing need to be revised. (Escuadra)• Continued TRMM/Terra operations/analysis support. (Weaver)	

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2.0	Kizer	<ul style="list-style-type: none">• Preparing ERBE-like software for CM delivery scheduled for October 27, 2000. ERBE-like Test Plan, SS2 Operator's Manual, and SS3 Operator's Manual are being updated for delivery. (Kizer)• Investigating possible time problem existing in the FM1 and FM2 instruments with the instrument team. (Walikainen, Kizer)• Input namelist for ERBE data and ERBE PRES8 data used for preliminary ERBE data run through ERBE-like software. Modifying S8 to PRE8 program to work under Latis environment. (Kizer)• Completed the ES4Gn print program and text file for binary file formats to be supplied in the ES4 HDF conversion package requested by Erika Geier. Package includes stand-alone code, documentation on binary and HDF file formats, and print utilities. (Kizer)• Completed changes to accommodate non-existing QC file names for months prior to instrument launch. Separate Logic IDs were used for current month and previous months. (Walikainen)• Continuing to tweak the ranges and sigma levels used in the statistical analysis routines for each data value tested. (Walikainen)• Continuing to inspect ERBE-like Terra and TRMM output plots and QC reports on the Web. (Walikainen, Kizer)	
3.0	Kizer	Combined with above.	

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4.1	Sun-Mack	<ul style="list-style-type: none"> • Attended Informix Datablades training class. (R.Brown) • Worked on setting up QC Reports and image processing automation system. (R.Brown/Murray) • Posted Cloudvis data images on development server for testing. (R.Brown) • Communicated with Vertley on SSIT at DAAC. (Miller) • Clear Sky albedoes for 7 MODIS visible channels (2 days of MODIS data) where calculated and produced. Posted the results one the web. (Sun-Mack) • Worked with Todd Berendes on supporting cloud group with IVICS. Provided him with a CloudVis file (including README and a reader) and all the color bars with their labels for all the parameters in, CloudVis. (Sun-Mack) • Worked with IRM (Belgium group) on providing them with 5 hours of daytime data, including README and reader. Validated the data before the shipment and posted the results on the web. (Chen/Sun-Mack) • Modified CloudVis module. This included adding all MODIS channels t,CloudVis structure, adding time in cloudvis structure (IVICS requirement), and cleaning up. (Sun-Mack/Trepte/Chen) 	
4.2	Sun-Mack	Combined with above.	
4.3	Sun_Mack	Combined with above.	

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4.4	Miller	<ul style="list-style-type: none">• Worked with Ms. Hopson, Langley DAAC, on problems with metadata identified during SSIT on cloud retrieval. Files weren't produced or contained the wrong quality word (Pass vs. Passed). (Miller)• Investigated the PSF Generation code and experimented with various PSF configurations in an effort to provide a response for Mr. Jianglong Zhang's, UAH, question on its use. (Miller)• Coordinated with Mr. Caldwell, SARB, and Ms. Mitchum, RAB, on obtaining MOA for March 2000. (Miller)• Reviewed data summary of Single Scanner Footprints. (Miller)	
4.5	Nolan	<ul style="list-style-type: none">• Modified SSF 5 record sample package README file and delivered SSF read software to the DAAC. (Franklin)• Continued work to update SSF Subset software using new SSF type 117 definition. (Nolan)• Continued restoring 8 months of SSF subset files from tape archive. With Frank's help, have recovered all but 2 of the SSF Subset files from tape_archive. (Nolan)• Attended Informix DataBlade class on Oct. 16-20. (Franklin and Nolan)	
4.6	Nolan	Combined with above.	
5.0	Coleman	<ul style="list-style-type: none">• Continuing to implement the logic in the Main-Processor to use the surface albedo map produced by the Pre-Processor. (Coleman)	
7.2	Coleman	Combined with above.	

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12.0	Coleman	<ul style="list-style-type: none"> Continuing column precipitable water value comparison of ECMWF data with MOA product for Fred Rose. (Caldwell) Determined that there are no format changes to new HDF GEOS product (Version 3.3). (Caldwell) Provided updated surface u- and v-vector wind speed definitions to Erika. (Caldwell, Coleman) Ran 4 days (September 2000) of MOA for Sunny Sun-Mack. (Caldwell) Delivered Regrid MOA Subsystem to CM with correction to occasional problem found by Clouds Group. (Caldwell) 	
7.1	Nguyen/Raju	<ul style="list-style-type: none"> No new updates 	
8.0	Raju/Nguyen	<ul style="list-style-type: none"> No new updates 	
10.0	Nguyen/Raju	<ul style="list-style-type: none"> Validating clear-sky TOA SW GGEO method. Plot SW surface flux one-minute time history of all of the ARM, CMDL, BSRN sites. Write programs to read and plot one-minute SSF and measured SW surface fluxes for all sites. 	
6.0	McKoy	<ul style="list-style-type: none"> There is no new updates for TISAGrid (6.0 & 9.0). 	
9.0	McKoy	Combined with above.	
11.0	Stassi/Fan	<ul style="list-style-type: none"> Discussed with Pat Heck and Sunny Sun-Mack the need for changes in the GGEO/Clouds code so that certain cloud properties are calculated for night data. (Stassi) 	
CERESlib Stassi/ Ayers		<ul style="list-style-type: none"> Moved CVS repository from thunder to blizzard because all machines, except samantha, are able to access blizzard. (Stassi) Seeking to establish alternative procedures for updating CERESlib on samantha. (Stassi) 	

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CM	Ayers	<ul style="list-style-type: none">• SCCRs submitted since last DMTM: 229 & 230; SCCRs updated since last DMTM: None; Instrument or ERBE-like SCCRs to be reviewed for approval: 230 (see following pages). (Ayers)• Tested and released the MOA delivery package to the Langley DAAC. (Ayers)• Updated the Delivery Schedule and posted it on the CERES CM home page. (Ayers, Franklin)• Delivered the latest version of the SSF sample read package to the DAAC. (Ayers)	
IST	Flug	<ul style="list-style-type: none">• No new updates.	

CERES System Configuration Change Request Submittal

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Subsystem: ERBEl likeSCCR Date & TIME: 2000-10-23 14:15:48SCCR No.: 230

Description of Change (Science):

1. No Science changes made.

Reason for Change (Science):

1. No Science changes made.

Description of Change (non-Science):

1. Removed the Makefile command from the hdf comparison script.
Created a script to compile all test_suite software at the beginning of the test procedures.
2. Renamed Snow PGE PCF generator script to the same naming conventions as the Inversion PGE PCF generator scripts.
3. Updated gen_pcf scripts to include "# END METADATA ..." line in accordance with SEC and DAAC.
4. Standardized the User Runtime Parameters for all ERBE-like PGEs.
5. Added code to write default data to page 23 of QC Report file when no data for that hour is processed.
6. Adding the QC Report Checker Software. It contains additional functions as requested by the Science Team to help catch problems that may occur in the inversion data. Previous monthly QC Report files are accessed for averaging over extended data periods.
7. Modified gen_pcf.CER2.2 script to contain previous monthly qc report file names as needed by the QC Report Checker Software.
8. Modified monthly qc file daily updating script to remove the lock, ".lck", file created during processing.

Reason for Change (non-Science):

1. Compilation is done at the beginning of the test procedures prior to executing any programs. This was done at the request of the DAAC SSI&T team.
2. The renaming of the Snow PGE PCF generator script was done to standardize all PGE PCF generator script names.
3. The "# END METADATA ..." line added to all PCF files serves

- as an indicator to the DAAC epilogue script that the end of the user runtime parameter section has been reached.
4. All required user runtime parameters, ie. SamplingStrategy, CERDataDateYear, CERDataDateMonth, use the same logic ID's throughout the ERBE-like PGE's.
 5. Originally, when no data was processed for a particular hour, data for that hour was omitted. To avoid confusion, default data is now supplied.
 6. The QC Report Checker Software will check the data in the Inversion QC Report using statistical analysis, range checking, searches for overflow values and NaNs, and more. Several tests can be performed on the data for which ERBE-like personnel are notified by email when any of these tests fail.
 7. The PCF can only list files that exist. The script checks to see if the previous month is within the data time period for that instrument and whether the Monthly QC Report file exist before listing it in the PCF.
 8. The script removes the file to prevent a zero length file from existing after processing the PGE.

Estimated Man Power: N/A

Schedule : To be delivered to CM on or before October 27, 2000.

Impact : None.

Originator: KIZER, EDWARD A. (SAIC)