Table 1: November 8, 2000 - Subsystem Status.

SS No.	SS Lead	Status	Problems
1.0	Escuadra /Cooper	• Continuing analysis of the TRMM/Terra data. (Hess, Spence) • Analyzed TRMM stow data for March and April to determine if the noise signal is staying consistent. Results at this time do not look promising and recovery of TRMM data during the late March and early April time period may not be possible. (Spence) • Working on Coastline Detection to gather all data days when FM1 and FM2 are both in Crosstrack mode. (Spence) • Continuing work on post-processor to read a TRMM BDS and correct the radiances for crosstalk. (Szewczyk) • Continuing work to add the ability to have Solar Geometry data on the BDSSs. Output product generation and scan processing need to be revised. (Escuadra) • Working on a program to gather information for a usable Terra data latency report. Running the program to collect data for previous months will be a long process, however, beginning in November running the program daily should allow tracking of usable CERES data based on days since the first of the month. (Cooper) • Continued TRMM/Terra operations/analysis support. (Weaver)	

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SS No.	SS Lead	Status	Problems
2.0	Kizer	• Delivered ERBE-like software to CM as scheduled on October 27, 2000. ERBE-like Test Plan, SS2 Operator's Manual, and SS3 Operator's Manual were also updated and delivered. (Kizer) • Modifying Martial Haeffelin's ES8 read program to read ES8 HDF files instead of the ES8 binary files. (Kizer) • Met with Dave Young, Takmeng Wong and Stephanie Weckmann to discuss carrying her work with ERBE-like data validation upon her departure. (Kizer) • Continuing to look at processing ERBE data run through the CERES ERBE-like Subsystem. S8 to PRE8 program completed to work under Latis environment. (Kizer) • Delivered the ES4 HDF conversion package to Erika Geier. Package includes stand-alone code, documentation on binary and HDF file formats, and print utilities. (Kizer) • Met with Richard Green and Norman Loeb to discuss the Spectral Correction Coefficient algorithm. (Walikainen) • Continuing to tweak the ranges and sigma levels used in the statistical analysis routines for each data value tested. (Walikainen) • Modified the QC report checker email massage to include page of QC report the data failed and the type of test and restraints the data failed. (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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SS No.	SS Lead	Status	Problems
4.1	Sun-Mack	• Modified and tested Gif File Generator to allow for input of new QC results. (R.Brown) • Processed data requested on the SCF. (R.Brown) • Posted Twilight and Nighttime Cloudvis results on the web. (R.Brown) • Received N2O Corrk, new 1.6um ratio model, new visible model, and tisa night time cloud retrieval. Implemented all above into the cloud production code. Debugged and tested all above. (Sun-Mack) • Validated above new deliveries: (1) Processed about 20 hours of VIRS data. Intercompared CERES results with OSU results (Chen/Sun-Mack) (2) Ran 8 month of VIRS data for ARM SGP overpasses. Extracted the needed information and binned the results to 30x30km and 100x100km respectively. Posted the results on the web for the purpose of intercomparison between CERES and ARM SGP ground measurements. (Chen/Sun-Mack)	
4.2	Sun-Mack	Combined with above.	
4.3	Sun-Mack	Combined with above.	
4.4	Miller	• Worked with Ms. Hopson, Langley DAAC, on problems during production of clouds and convolution. The nine February days have been completed. (Miller) • Reviewed Emails and ASCII Quality Control summaries from production. (Miller) • Provided hints to Sun in using convolution code. After a few minor problems, they were able to produce out test hour. Quality control report looked reasonable. They had disk space problems that delayed the running of our comparison routines.. (Miller) • Corrected calling parameters for output routine in convolution used during failed execution clean-up. (Miller)	

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4.5	Nolan	• Initiated modifications to the SSF HDF code to include a CERESlib module, so SARB can use it in their HDF code. (Franklin) • Began testing SSF Subset software using new SSF type definition 117. Modified SSF Subset read software for type definition 117. (Nolan) • Modified PCF generator for PGE CERS4,5-6.1P1 to include comment line at the end of Metadata runtime parameters and made a delta delivery to CERES CM (Inversion had delivered to the DAAC before this requirement was in place.) (Nolan) • Generated PFM SSF HDF files for all hours of 01-01-1998 and 07-01-1998 for Man Li Wu. (Nolan)	
4.6	Nolan	Combined with above.	
5.0	Coleman	• Testing Surface Albedo Pre-Processor with July 1, 1998. Determining how best to validate the results. (Coleman) • Continuing to implement logic in Main-Processor to use the results of the Pre-Processor. (Coleman)	
7.2	Coleman	Combined with above.	
12.0	Coleman	• Verified that the humidity data written to the MOA product agrees with that provided by ECMWF. (Caldwell)	
7.1	Nguyen/ Raju	• No new updates	
8.0	Raju/ Nguyen	• No new updates	
10.0	Nguyen/ Raju	• Completed validatingTOA SW GGEO method. • Validating SS10 surface fluxes with the available GGEO cloud parameters. • Provided Anne Wilber plots of the comparison of ground data and SSF data for SW and LW surface fluxes for April in .gif and .esp files to put in the ATBD. • Writing program to read one minute ARM data and average the data in every five minutes and plot against SSF data.	

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SS No.	SS Lead	Status	Problems
6.0	McKoy	• No new updates	
9.0	McKoy	Combined with above.	
11.0	Stassi/ Fan	• Updating CERESlib with the new Cloud subsystem code, including modifications to the GGEO/Clouds processing. (Stassi) • Working with an SGI technical representative to resolve the lib-4211 ERROR message that occurs during processing. (Stassi)	
CERESlib Stassi/ Ayers		• Adding a tk_version.csh script to the bin directory to echo the Toolkit version number. (Stassi) • Added an include file, ceres_defaults.h, to make CERES default values accessible to C code. Added a test to the test suites to verify that these values are equivalent to the ones used in Fortran code. (Stassi) • Added meta_write_c.f90 containing wrapper routines for the meta_write.f90 module. These routines are more easily called from C code. Also added corresponding include files, meta_write_c.h and meta_param.h, and a new test in the CERESlib test suites for the wrapper routines. (Stassi) • Added pcf_c.f90 containing wrapper routines for the pcf.f90 module. These routines are more easily called from C code. Also added corresponding include file, pcf.h, and a new test in the CERESlib test suites for the wrapper routines. (Stassi)	
CM	Ayers	• SCCRs submitted since last DMTM: None;SCCRs updated since last DMTM: 220;Instrument or ERBE-like SCCRs to be reviewed for approval: None. (Ayers) • Tested and released the Instrument and ERBE-like delivery packages to the Langley DAAC. (Ayers)	
IST	Flug	• No new updates	