Table 1: August 16, 2000 - Subsystem Status.

SS No.	SS Lead	Status	Problems
1.0	Escuadra /Cooper	• Continued to maintain the TRMM housekeeping data plots on the web. (Filer, Spence) • Continuing analysis of the TRMM data to determine a method to extract the radiometric data from the noisy data stream. (Spence) • Continuing development of the program to determine if there are any azimuth dependencies for the Terra instruments. (Escuadra) • Getting TRMM covers on data and processing for Task 37 as time permits. (Cooper, Escuadra) • Continued monitoring Terra data production/ processing and providing data analysis support. (Cooper) • Completed updates to the Solar Angle off-line program to add Moon Angles, to compare to planning aids now being delivered by EDOS. All existing data has been rerun with the new format, which allows updating of existing data dates when new data arrives. (Cooper) • Continuing TRMM data analysis to determine if we will ever get good radiometric data from the TRMM instrument. (Hess, Spence) • Continued TRMM/Terra operations/analysis support. (Weaver)	

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SS No.	SS Lead	Status	Problems
2.0	Kizer	• Delivered the ERBE-like software to CM as scheduled on Friday August 11, 2000. (Kizer) • Delivered the ERBE-like Test Plan and Operator's Manual to CERES CM. (Kizer) • Created software package to convert ES8 binary file to ES8 HDF file without the use of cereslib and toolkit functions. Print utilities were added for testing purposes. This done at the request of Bruce Barkstrom via Erika Geier. (Kizer) • Modified CERESlib meta_write.f90 module to accommodate the Terra and Aqua instrument sensors. A proposal is being written. (Kizer) • Met with Richard to discuss possible checks that could be performed on the ES8 QC report. (Walikainen, Kizer) • Continuing to make changes and add new function to QC Checker software as suggest in meeting with Richard. (Walikainen, Kizer) • Continuing to inspect ERBE-like Terra and TRMM output plots and QC reports on the Web. (Walikainen, Kizer)	
3.0	Kizer	Combined with above.	
4.1	Murray	• Generated MODIS CloudVis files and produced to post on the web. (R. Brown) • Updated current VIRS page and added a utility to both the MODIS and VIRS pages which opens a new window for each image. (R. Brown • Attended the International Radiation Symposium (IRS) on Jul. 24-29 in Russia. (Sun-Mack) • Because our MODIS statistics exhibited some problems, communicated with Gardard DAAC about their definitions. (Sun-Mack) • Added and tested the ability to process incomplete tiles through the vint algorithm to the production code. (Sun-Mack, Murray) • Continued preparations for the Cloud delivery, added features as required. Made modifications to the Test Plan and the Operators Manual as appropriate. (Murray, Brown)	

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SS No.	SS Lead	Status	Problems
4.2	Murray	Combined with above.	
4.3	Murray	Combined with above.	
4.4	Miller	• Corrected several problems for convolution delivery including extrapolation ratio, aerosol and aerosol flag, shadow, and check to calculate cloud properties and histograms. (Miller) • Completed code documentation update for delivery and migrated code to samantha. (Miller) • Provided scatter plot of extrapolation error based on difference between overcast radiance and the weighted average of the two cloud layer radiance for Dr. Loeb. (Miller, Rapp) • Updated SSF_Compare and created run script for testing delivery. (Miller) • Prepared code for delivery (updating documentation, SCCR descriptions, etc.). (Miller)	
4.5	Nolan	• Continued work to update all inversion software and documentation for delivery to CM on August 18, 2000. (Franklin and Nolan) • Created 2 hours of May 01, 1998 HDF SSFs for subsetting at the DAAC. The subsetted SSF will be sent to Larry Stowe. (Franklin and Nolan) • Updated Loeb code to create degraded PRES8s for Terra data. Created degraded PRES8s for March and April 1998 PFM FAPS days and March and April 2000 FM2 FAPS days. (Nolan) • Met with Nitchie Smith on Aug 7th to discuss new ADM module format. (Nolan) • Worked with Shashi Gupta to update LW Model B surface module. Also updated surf_typdef module. Submitted new source code and README files to CERESlib. (Nolan) • Continued work to regenerate and archive 8 months of TRMM SSF subset files, using new SSF subset type 115 definition. (Nolan)	
4.6	Nolan	Combined with above.	

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5.0	Coleman	• Continued work on the surface albedo pre-processor. (Coleman) • Began implementing the changes needed in the Instantaneous SARB software for the latest SSF version. (Coleman) • Sent modified CRS HDF post-processor code to Carla Franklin for further editing. (Caldwell) • Blowing dust off of plotting software for the CERES Validation Regions. (Caldwell)	
7.2	Coleman	Combined with above.	
12.0	Coleman	• Completed subsetting of ECMWF data through June 2000 at DAAC. (Caldwell)	
7.1	Nguyen/ Raju	• No new updates	
8.0	Raju/ Nguyen	• No new updates	
10.0	Nguyen/ Raju	• Completed testing codes using the GGEO cloud and GGEO clear-sky radiances. • Studying the measured surface fluxes from the ARM and BSRN sites. Reading the number of data points which are out of the set upper and lower limits and also counting the number of data points that match with SSF. • Corrections were made to ss10 product write functions and generated SRBAVG product with new formats. Validated product contents using view_hdf software. • Modifications were made to SRBAVG product read and web plot programs.	

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SS No.	SS Lead	Status	Problems
6.0	McKoy	• Completed modifying the TISAgrid software to interface with the new (latest) SSF type definition. • Running the TISAgrid software at the SCF for the months of Jan.,Feb., and Mar. 1998 for validation. • Investigating vertical aspect ratio out of range problem. • Modified the algorithm to calculate the average area percent coverage to use the overlap conditions of the footprints. The area percent coverage is no longer given on the footprint for each cloud layer. • Updated the min. and max. range ancillary data files. • Modified the LW TOA column weighted algorithm to set the difference of the MOA surface temperature and the effective temperature to one when the effective temperature is greater than the surface temperature per Dave Young's instructions.	
9.0	McKoy	Combined with above.	
11.0	Stassi/ Fan	• The GGEO/Clouds interface now appears to be working thanks to some intense investigation by Sunny Sun-Mack, as well as help from Tim Murray and Qing Trepte. (Stassi)	
CERESlib Stassi/ Fan		• Updated the validation versions of CERESlib with the following new or modified modules: ceres_valregions.f90, imager_cal_data.f90, read_ies.f90, ssfqc_typdef.f90, ssf_typdef.f90, and cloudParam.f90. CERESlib was delivered to CM with these modifications. (Stassi, Nolan, Miller, Murray, Coleman) • Made further modifications in the validation versions of CERESlib to the following files: surf_lw_model_b.f90, surf_typdef.f90, and c_getenv.c. (Nolan, Stassi) • Modified the CERESlib start-up scripts on samantha to use the Toolkit links created by Karen Brown. (Stassi)	

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SS No.	SS Lead	Status	Problems
CM	Ayers	• Tested and released Instrument and CERESlib to the Langley DAAC. (Ayers) • Testing the current ERBE-like delivery. (Ayers) • Expecting the Clouds delivery any time. (Ayers) • Distributed the modified the Delivery Memo template. (Ayers)	
IST	Flug	• No new updates	