Table 1: July 5, 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, Hess, Spence) • Continuing analysis of the TRMM data to determine a method to extract the radiometric data from the noisy data stream. (Escuadra, Hess, Spence) • Working with the Terra Long Dwell data to determine the in-flight Second Time Constant coefficients, since no deep space calibration has been performed for Terra. (Spence) • Testing SS1 code that writes new SDSs to the BDS. (Sample ordered Analog and Drift Corrected Counts). (Escuadra) • Continuing integration of the SS1 code updates to support the July 10th delivery date. Made emergency delivery of SS1 code, which works with the new Ada95 compiler to CM, so that production processing can continue. (Cooper) • Tracked down the problem with BDS conversion to the Pre-ES8 for the emergency delivery using the n32 option of the C compiler. (Rodier) • Continued monitoring Terra data production/ processing and providing data analysis support. (Cooper) • Working on the MODIS subsetting. (Szewczyk) • Testing the BDS compression post-processor using the new n32 option for the C-compiler to insure that there are no problems. (Szewczyk) • Continued TRMM/Terra operations/analysis support. (Weaver)	
2.0	Kizer	• No new updates.	
3.0	Kizer	• No new updates.	

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SS No.	SS Lead	Status	Problems
4.1	Murray	• Implemented and tested 3.7 um spline fit for interpolating models. Produced timing tests. (Sun-Mack) • Modified production code to handle three different formats of emittance maps. (Sun-Mack) • Assisted Rabi on understanding CRH inputs. (Sun-Mack) • Developed code to produce clear sky solar zenith angle dependent albedo, and clear sky overhead albedo maps using MODIS data. Tested with one hour of data. (Sun-Mack) • Provided Mr. Heck daytime, nighttime, and twilight data for off-line testing. (Sun-Mack) • Separated smoke and aerosol received from Welch. (Sun-Mack) • Added clear sky brightness temperature standard deviation limits. (Sun-Mack) • Automated web page production for validation pages. (Brown) • Completed testing on logical id storage file for code and script generation. (Murray) • Modified code to handle selectable tile size for cloud properties. (Murray)	
4.2	Murray	Combined with above.	
4.3	Murray	Combined with above.	

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SS No.	SS Lead	Status	Problems
4.4	Miller	• Discussed new procedures to retain imager pixels that do not have cloud propertied (either not processed or VINT no retrievals) with Dr. Loeb. (Miller) • Implemented and tested new algorithm to extend known cloud properties to entire cloud fraction. Added QC checks for this algorithm. (Miller) • Included the new surface reflectivity code into convolution (removed spectral albedos) and use of footprint surface area and type for weighting. (Miller) • Modified convolution to use PCF logical ids from data table. (Miller) • Processed July 7, 1998 to test new algorithm on cloud fraction bias problem. Started analysis of data. (Miller, Rapp) • Updated code and produced Narrowband Tropical Longwave Constant for TRMM. (Rapp) • Started development on IDL routine to produce broadband vs. narrowband regressions. (Rapp) • Tested new capabilities of IBM DX SSF tools. (Rapp) • Reviewed Collection Guide. (Rapp)	

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SS No.	SS Lead	Status	Problems
4.5	Nolan	• Tested inversion software, using ssf_typdef module, Version 116 and created 2 binary SSF files using this software. (Nolan) • Met with Shashi Gupta about changes in overlap condition parameters on SSF. Updated and tested LW surface flux model B software with Shashi's initial changes. (Nolan) • Completed prototype of stand-alone program that uses subsetted SSFs as input and executes the spectral correction and CERES inversion to TOA modules. (Nolan) • Continued work to regenerate 8 months of TRMM SSF subset files, using new SSF subset type definition. (Whitley and Nolan) • Completed work on software to create metadata (.met files) for SSF subset files. (Whitley, Nolan) • Initiated work to update SSF HDF code to match latest version of the SSF DPC pages. (Franklin and Nolan) • Updated HDF overview document, "Introduction to HDF", for Version 4.1r3 of HDF and presented information in document to summer interns. (Franklin)	
4.6	Nolan	Combined with above.	
5.0	Coleman	• Continued work on the surface albedo pre-processor. (Coleman)	
7.2	Coleman	Combined with above.	
12.0	Coleman	• Delivered Regrid MOA Subsystem, along with updated documentation, to CM. (Caldwell) • Continued study of differences between NCEP and ECMWF surface temperatures over polar regions for Tom Charlock. (Caldwell)	
7.1	Nguyen/ Raju	• No new updates	
8.0	Raju/ Nguyen	• No new updates	

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SS No.	SS Lead	Status	Problems
10.0	Nguyen/ Raju	• Continued to help summer intern to write TISA Averaging output HDF products similar to Erbe-Like HDF products. • Continued validating surface fluxes using February data.	
6.0	McKoy	• No new updates.	
9.0	McKoy	Combined with above.	
11.0	Stassi/ Fan	• Updated again with Tim's latest version of the Clouds code. Many PCF logical ids were modified which required corresponding changes in the GGEO/Clouds code. (Stassi) • Sent Tim and Sunny new versions of some of the Clouds modules that had been modified for GGEO; e.g. new routines to reset initial image processing conditions for GGEO multiple image PGEs. (Stassi) • No resolution to problems with the SGI F90 compiler. Waiting for new Clouds code that contains processing paths specific to GEO pixels. It could be that the problems were caused by trying to stuff GEO pixels down AVHRR processing paths. (Stassi) • Modifying GGEO PCF generator scripts to include entries required for Clouds processing. Wrote two new scripts to verify that the correct number of MOA input files are present at job set-up time and to include these filenames in the PCF. (Stassi)	
CERESlib Stassi/ Fan		• Added new version of msg.f90 to CERESlib. This version contains a new optional parameter, MsgNum, that allows analysts to a subsystem message number in the log messages. (Kizer, Stassi) • Updated the CERESlib start-up scripts on all machines for the latest Ada compiler. (Cooper, Stassi) • Found problem with how the c_getenv() function interacts with Fortran code compiled with the SGI F90 compiler. Is this a compiler bug? Problem is still being investigated, but a workaround has been found. (Caldwell, Stassi)	

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SS No.	SS Lead	Status	Problems
CM	Ayers	• Tested and released CERESlib and Instrument to the Langley DAAC. (Ayers) • Testing Regrid MOA delivery. (Ayers) • Met to discuss proposed CERES Documentation Plan. (Robbins, Ayers, McKoy, Franklin)	
IST	Flug	• No new updates.	