

Table 1: August 18, 1999 - Subsystem Status.

SS No.	SS Lead	Status	Problems
1.0	Escuadra /Cooper	<ul style="list-style-type: none">• Continue updates to software for Terra launch. New coefficients for Instrument parameters will cause a change to put these in files rather than have them hardcoded. (Anselmo, Cooper, Escuadra, Hess)• Delivered a new version of the Instrument Subsystem to CM. This version takes care of updates to support the Terra ephemeris and attitude data files and new scripts for Terra that use ORBSIM data. Also includes updates to the QC reports to show missing data for any data day. (Cooper, Rodier)• Completed updates to the Instrument Test Plan and Operations Manual. (Cooper)• Continue work on the CERES File Management Database. (Rodier)• Continue work on the QC Post-Processor. (Anselmo, Escuadra)• Continue work to gather data for Kory to develop the updates to the Count Conversion equation. (Escuadra, Spence)• Continue operational support for TRMM and Terra. (Weaver)	

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2.0	Nolan	<ul style="list-style-type: none"> Generated Binary ES-8s and HDF ES-8s for Jan. 1998, using the latest Slope Intercept Spectral Correction algorithm. (Nolan) Investigated problem that Richard Green found in the ERBElke QC Report. CERES default values from the new Slope Intercept Spectral Correction module were not being set to the ERBElke default value. Corrected the problem and re-ran Jan. 5, 1998 for Richard. (Nolan) Continued work to combine PGEs CER2.2P1, CER2.3P1, CER2.2PP1 and CER2.2PP2 into one PGE. Modified PCF generators to reflect these changes. Initiated testing of all modifications. (Nolan) Initiated work to create a version of the ERBElke Test Plan, which reflects the reduction in the number of Subsystem 2 PGEs. (Nolan) Continued testing of Lee-hwa's latest changes to Subsystem 2.0, with version 2 of Slope-Intercept Spectral Correction Module. (Nolan) Updated the ERBE-like Inversion validation graphics Web application to look for the QC files in the new location on eos-qa. (Flug) 	
3.0	Kizer	<ul style="list-style-type: none"> Studied the view_hdf software written by Kam-Pui Lee and find the I/O of the IDL program and see if it's possible to integrate it into a web application. (Liu) Continued with familiarization and testing of Subsystem 3.0. (Kizer, Halverson) Updating code by converting the include files and common blocks from scnlib and tsalib libraries into modules for subsystem 3. (Halverson) Updating subsystem ascii file generators, PCF generators, and run scripts for single and multiple satellite processing. (Kizer) Updating subsystem comparison software for es4 and es9. (Kizer) Modifying the HDF Read software in the DAAC ERBElke products ordering package to read and list all SDSs and VGroups in any HDF file. (Halverson) 	

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4.1	Murray	<ul style="list-style-type: none">• From the DAAC, retrieved 1 hour MODIS data. Developed logic for PCFile and granule transition in the MODIS read module. Found and fixed some problems with the read module, removed some extraneous statements, and ran the whole hour with the CERES Cloud Mask algorithm turned on. At this point, the data file(s) can be read but the results don't look good. The Science algorithms cannot make heads or tails of the simulated data. Investigating. (Sun-Mack/Murray)• Made modifications to the code to produce the off-line VINT data. The code didn't work properly under the new compiler. Made other modifications to include some more parameters. Worked to provide him other information that he desired. (Sun-Mack)• Completed processing of January 1986 AVHRR data. Daytime results are unusable because Cloud Mask and Cloud Property algorithms are dependent on the 1.6 micron data, which is not available in the AVHRR data. (Murray)• Added production of metadata files for the EQCS and EQCDV products to the Subsystem Code. (Murray)• Began making modifications to the Test Plan that would automate some of the testing and evaluation procedures. (Murray)• Began evaluating Feb 1998 Cloud products for ValidationR4_013006 being produced at the DAAC. (Murray)• Corrected a problem with the EQCS product. Were using the incorrect column in the file which identified the S'COOL regions that were active for that month. (Murray)• Began staging data for July 1998 to the SCF. (Murray)	
4.2	Murray	Combined with above.	
4.3	Murray	Combined with above.	

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4.4	Miller	<ul style="list-style-type: none"> • Evaluated hour-long cookiedough produced from MODIS file. Forwarded a problem on how time was assigned to pixels. (Miller) • Processed January validation products. Posted daily QC files and cloud statistics to web. (Miller) • Monitored February 1998 ValidationR4 processing. (Miller) • Calculated Terra specific parameters for convolution. (McKinley and Miller) • Discussed availability of Terra IES with Ms. Cooper. (Miller) • Updated convolution documentation in StP. (McKinley) 	
4.5	Nolan	<ul style="list-style-type: none"> • Modified Norman Loeb software to use the latest version of the Subsetted SSF record and header. (Nolan) • Completed Subsetted SSFs for Jan. 1998. and most of Feb. 1998. (Nolan) • Continued testing web version of software that produces a daily SSF QC report in ERBElke format. (Nolan) • Continued work on the SSF HDF Input/Output (I/O) module and read software. (Franklin) • Created a version of the Inversion Subsystem that has the 2 PGEs combined into one PGE. The source code, scripts, and test plan were updated. The modified code was tested using the new test plan. (Franklin) • Modified the SSF QC Viewer interface to be more consistent with the other Web interfaces. Removed production strategy dependencies from the interface by adding code that will list all versions of the files that are available for the selected data date and instrument. (Flug) • Added the capability to display or download the complete set of plots for the CERES Inversion Validation Graphics Web application. (Flug) • Successfully tested Inversion using Toolkit 5.2.5 on lightning. (Franklin) 	
4.6	Nolan	Combined with above.	

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5.0	Coleman	<ul style="list-style-type: none"> Wrote and successfully tested program to read and print contents of the hourly surface albedo update file. (Coleman) Successfully tested script to process both the Instantaneous SARB Main-Processor and HDF Post-Processor from one script and using one PCF. (Coleman) Successfully tested Instantaneous SARB with the expanded GRing meta data now included on the SSF product. (Coleman) Reviewed CRS DIF at the request of the DAAC. Seeking input from Science Team. (Coleman) Finished preparations on Module for inclusion in CERESlib that contains the CERES Validation Regions requested by the different groups. (Coleman) 	
7.2	Coleman	Combined with above.	
12.0	Coleman	<ul style="list-style-type: none"> Continued studying design of Subsystem 12. (Caldwell) Corresponded with Mr. Kizer in identifying and correcting various problems with MOA ECMWF data. (Caldwell) Began running a month of MOA ECMWF data for Ms. McKoy and Mr. Stassi. (Caldwell) Began preparing a Software Bulletin detailing the ECMWF-driven changes to the MOA_IO module. (Coleman) Providing test version of MOA_IO to SARB for testing. (Kizer) 	
7.1	Nguyen/ Raju	<ul style="list-style-type: none"> No new updates. 	
8.0	Raju/ Nguyen	<ul style="list-style-type: none"> Continued validating Column Weighting of Cloud properties averaging routines for SS8 and SS10. (Raju) 	
10.0	Nguyen/ Raju	<ul style="list-style-type: none"> Continued working on the Collection/User's Guides. (Nguyen) 	

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6.0	McKoy	<ul style="list-style-type: none"> PGE CER9.2P1, SFC Main Processor, was modified to eliminate the monthly overlap file that was appended to over the month of execution of this hourly PGE. A new overlap file is now created for each execution of the PGE for a maximum of 744 overlap files per month. (McKoy) Added aerosol_opt_depth063_clrsky and aerosol_opt_depth160_clrsky to the SFC type definition (product) as per the request of Dave Young. (McKoy) As per the request of Dave Young, the relative azimuth and the viewing zenith are set to default values in RAPS mode. (McKoy) Continue to investigate problems found in the FSW in the TOA fluxes and the Cloud Property Data. (McKoy) Began looking into the changes that needed to be made to the code in order to handle multiple satellite. Currently studying the ASCII input and PCF generators to determine what changes will need to be made. (McKoy) 	
9.0	McKoy	Combined with above.	
11.0	Stassi/ Fan	<ul style="list-style-type: none"> Completed an IDL program for viewing GOES-9 raw data. (Fan) Reviewed entire year of 1998 GOES-9/GOES-10 raw data, which is more than two thousand pictures. Anomaly hours were noted for further investigation. It looks like we may have another striping problem. (Bolduc) Worked on an IDL program to review the GMS raw data. It requires the conversion from EBCDIC binary to ASCII binary. (Bolduc, Fan) 	
CERESlib Stassi/ Fan		<ul style="list-style-type: none"> Tested TK5.2.5 on samantha. (Fan) Tested new attribute LocalityValue without any change in the wrapper. The only change is to add this attribute to MCF template with a hard coded value, "Global". (Fan) 	
CM	Ayers	<ul style="list-style-type: none"> Expecting Instrument delivery on 8/16/99. Developing delivery schedule for Terra launch. 	

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IST	Flug	<ul style="list-style-type: none">Added the capability to display CERES commands and events for Terra.	