

Table 1: November 10, 1999 - Subsystem Status.

SS No.	SS Lead	Status	Problems
1.0	Escuadra /Cooper	<ul style="list-style-type: none">• Formal Delivery of SS1 code for Terra Launch will be made this week. (Cooper)• Working on dry run of analysis of Terra data, verifying information on BDS and IESs. How long does it really take? (Anselmo, Cooper, Escuadra, Spence, Szewczyk)• Delivered BDS QA plan write-up to Erika, working on getting samples to include in the document. (Cooper)• Checking and updating Instrument Web pages to include Terra. Creating a program to automate getting Instrument Statistic tables for Terra to be put on the Instrument WG web page. (Filer)• Verifying new 64-bit Ada compiler on lightning. (Anselmo, Cooper, Escuadra)• Compare program for Pre-ES8 complete and integrated into CM test scripts. (Cooper, Szewczyk)• Continue supporting analysis of TRMM data. Working on verifying accuracy of the CoastLine Detection algorithm. (Spence)• Continue operational support for TRMM and Terra. (Weaver)	
2.0	Nolan	<ul style="list-style-type: none">• Initiated work to generate ES-8 files using latest PFM SI coefficients from Norman Loeb. (Nolan)• Modified EID-6 comparison program to compare either EID6 or EID6X files. (Bolduc)• Continued adding attributes to ES-8 HDF-EOS Swath. (Bolduc)	

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3.0	Kizer	<ul style="list-style-type: none">Continued investigating possible problems/ inconsistencies in the new ES-9 and ES-4 HDF products as pointed out by Jim Kibler. (Halvorson, Kizer)Created programs to verify all ES-9 and ES-4 HDF data is indeed within specified limits. (Halvorson)Began looking into putting ERBE S-9 and S-4 into new ERBE-like ES-9 and ES-4 HDF format. (Kizer)Continued working on sample ES-9 and E-4 HDF file and the associated read code for the delivery to the DAAC. (Halvorson)Zero length ES-9 QC files reported by DAAC during informal testing of PGE 3.2P1. Problem exist due to very small amount of data samples during test. Code changed for next formal delivery. (Kizer)	

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4.1	Murray	<ul style="list-style-type: none">Continued to work on the IDL web interface also adding in the Emissivity maps. Also continued working on the Gif file generator to generate Plots from the Clouds QC reports. (R. Brown)Began a coordinated effort on night time vint algorithm. Working with Kazu, made the driver call the correct subroutine and incorporated several other modifications. Timing tests indicate factor of ten decrease in processing time between initial and final versions. (Sun-Mack)To find thick clouds, studied the T3-T4 and T4-T5 differences. Derived a formula for the thick clouds threshold. (Sun-Mack)Validated the results from all these versions and lots of communications with Pat Minnis about the results.Worked with Yan Chen to provide Pat Minnis with whatever has asked for. (Sun-Mack)Continued preparations for the on again/off again/on again Clouds delivery. (Murray)Continued modifications to the production code that allows for separate compilation of each executable in each PGE. Developed an all in one script to compile all executables and libraries for inclusion in the delivery. (Murray)Staged the MODIS data from the MOSS-3 simulation. Began testing the format and contents of the data. Format wise, everything looked ok. Ran into a problem outputting the QC report. Experienced overflow because we read more MOA regions than we were expecting. (Murray)Estimated 95 and 90 percent reductions in Cloud processing times for VIRS and MODIS data respectively when processed with Subsetting by CERES Validation Region. (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">• Implemented and tested ability to loop through two IES while using a single cookie dough. (Miller)• Updated ssfqc_typdef and tested read_ies from instrument to handle multiple files. Delivered to Mr. Joe Stassi for CERESlib update. (Miller)• Met with SUN System representatives and discussed benchmarking cloud retrieval. (Miller)• Upgraded Terra first search prototype logic to delivery standards and cleaned up some search inefficiencies. (Miller)• Updated test program to new ssf_typdef. (Miller)• Produced three additional hours of lowfat cookie dough for Ms. Geier. (Miller)• Ported latest code to samantha in preparation of delivery. (Miller)• Assisted Ms. Franklin in debugging an error caused by not updating ssfqc_typdef while testing ssf_typdef. New files needed to be produced. A check will be added to ssfqc_typdef to prevent this problem in the future. (Miller)	
4.5	Nolan	<ul style="list-style-type: none">• Continued the testing of Inversion software using the ECMWF-based MOA files, new ssfqc_typdef, and latest version of CERESlib. (Franklin)	
4.6	Nolan	Combined with above.	
5.0	Coleman	<ul style="list-style-type: none">• Incorporating and testing Dave Rutan's modifications to the surface albedo correction algorithm. (Coleman)• Preparing logic to process only the validation regions through SARB. (Coleman)• Coordinating with SRB folks (Kratz, Wilber, Sage) to process Jan '98 for validation regions only at the DAAC. (Coleman)• Monitoring DAAC processing of Jan '98. (Coleman)	
7.2	Coleman	Combined with above.	

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12.0	Coleman	<ul style="list-style-type: none">Delivered Regrid MOA Subsystem to CM, along with updated Test Plan and Operator's Manual. (Caldwell)Corrected error in MOA_IO temporal interpolation found during Inversion Subsystem testing. (Caldwell)Incorporating capability to generate six-hourly DAS GEOS-3 based MOA files as alternate meteorological data source. (Caldwell)	
7.1	Nguyen/Raju	<ul style="list-style-type: none">Updated tsi_type module to write Julian time as one 64-bit parameter onto TSI file record. (Raju)	
8.0	Raju/Nguyen	<ul style="list-style-type: none">No new updates.	
10.0	Nguyen/Raju	<ul style="list-style-type: none">Validating and comparing surface fluxes with CAVE data. (Nguyen)Updated pcf generator scripts to include gif file names in the PCF file as part of processing requirement at the DAAC. (Raju, Nguyen)	
6.0	McKoy	<ul style="list-style-type: none">Wrote a program for reading the SFC binary files. Modeled program after Nichele's program for reading the FSW binary files. (Stassi)	
9.0	McKoy	Combined with above.	

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11.0	Stassi/ Fan	<ul style="list-style-type: none">• Previewed the newly available METEO_5 data over India area. The data is clean for the available data files. (Fan)• Modified the calculation of pixel longitude for METEO-5, which is relocated to 63 degree longitude instead of 0 degree longitude previously. (Stassi, Fan)• Modified the GGEO Postprocessor to recognize METEO-5 and METEO-7 as two separate data sets and not two satellites during a satellite transition month. (Stassi)• Processed five geostationary satellite data through ggeo main and post processors for July 1-4 1999 Produced pictures to be used in the Science team meeting. (Fan, Stassi)• Modified the PCF input file generator to create IMG file, which will contain (9 parameters * 256 hours per month) 2304 gif file names for a regular production month. (Fan)	
CERESlib Stassi/ Fan		<ul style="list-style-type: none">• Added a SGI F90 32-bit version of CERESlib to samantha and redelivered CERESlib to CM with this addition. (Stassi)• Also included in the redelivery was another version of the moa_io.f90 module. (Caldwell, Stassi)	
CM	Ayers	<ul style="list-style-type: none">• Modified the Delivery Schedule on the web so the HTML version looks identical to the PDF version. (Franklin)• Modified the schedule for upcoming deliveries and posted it on the Web. (Ayers)• Tested and released CERESlib to the Langley DAAC. (Ayers)• Testing Regrid MOA delivery. (Ayers)	

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IST	Flug	<ul style="list-style-type: none">Added the capability to generate a time-ordered listing of all CERES activities, commands, and events associated with the operational day covered by a given DAS report. Worked with SA's to set up a new URL (http://earth-www.larc.nasa.gov/ceres_opns_prods) which points to the existing Web application. Updated titles on the main page to reflect the new name - "CERES Operations Products". Modified the Web application to search multiple directories for load reports.	