

Table 1: November 24, 1999 - Subsystem Status.

SS No.	SS Lead	Status	Problems
1.0	Escuadra /Cooper	<ul style="list-style-type: none">• Completed updating Instrument Web pages to include Terra. Updated Instrument README web files to include an HTML version of the Test Plan. (Filer)• Continue verifying new 64-bit Ada compiler on lightning. The code now compiles on both the -n32 and -64 bit versions of the new compiler, however, dies at run time. Continuing to find changes needed in the code to make the code run. (Anselmo, Cooper, Escuadra)• Writing a post-processor to sort the Command History Log and write out the sorted version of the log as the official QC report. (Szewczyk)• Began work on the IES subsetter completion. Learning about PCFs and how they work. (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)	

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2.0	Nolan	<ul style="list-style-type: none">• Generated ES-8 files using latest PFM Slope Intercept Spectral Correction Coefficients and both the original and degraded PRES8 input for June, July and August 1998. (Nolan)• Generated ES-8 files for January 12 and 21, 1998 for Erika Geier. (Nolan)• Completed work to add attributes to ES-8 HDF-EOS Swath. (Bolduc)• Modified ES8 5 record dump program to display all of the attributes. Compared attributes with what was already done in the ES4 and ES9. (Bolduc)• Created and ran test to compare binary and HDF ES8 files. Completed program that checks whether the data in the ES8 are between the given ranges. (Bolduc)• Started to change the defaults from ERBE defaults to CERES defaults in the code that creates the ES8 HDF files. (Bolduc)• Made the slope intercept spectral correction coefficients available over the Web on the CERES Data Validation, and CERES Data Validation - Test Data Web sites. (Flug)	
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)• Continued 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)• Began going over the ES-4 collection guide and making changes that are necessary to reflect the new ES-4 HDF product. (Halvorson)• Talked with Dave Young regarding incorrect values for the range and units of some of the parameters in the ES-4 and ES-9 sections of the Data Products Catalog. These changes will be reflected in the new Collection Guide. (Halvorson)	

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4.1	Murray	<ul style="list-style-type: none">Continued development of idl/web gif generator. (R. Brown)Ran selected overpasses over the ARM site from January 1998 to validate the night time cloud algorithm and performed timing tests. Posted desired results on the web for Dong's ground measurement comparisons. (Sun-Mack)Provided a subset of the ECMWF MOA data over 10 days to Pat Minnis so that he could validate the soundings. (Sun-Mack)Created ECMWF diurnal correction files (mean and std deviation) and integrated into the production environment. (Sun-Mack/Murray)Modified the Clouds scripts to retrieve certain 'runtime' parameters from a static parameter file to be included in our deliveries. (Murray)Began work on scripts to calculate needed values like yesterday and tomorrow for possible inclusion in cereslib. (Murray)Completed work on the scripts to automate validate procedures in the Test Plan. (Murray)Completed the scheduled clouds delivery on 19991119. (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">• Discovered some irregularities in cloud bottom and top pressure in relationship to effective pressure. These are occurring near the terminator where only a few pixels have these variables. These cases will be set to default. The nighttime algorithm should resolve. (Miller)• There are also cases where the top layer bottom pressure would be within the lower layer cloud. Notify users through the collection guide. (Miller)• Produced three additional hours of lowfat cookie dough for Ms. Geier. (Miller)• Ported code to samantha for Nov 19, 1999 delivery. (Miller)• Processed three days of intermediate SSFs for inversion testing. (Miller)• Studied polar orbiting data as trying to develop GRing algorithm. (Miller)• Studied pixel geometry in attempt to develop one-guess pixel selection routine. (Miller)	
4.5	Nolan	<ul style="list-style-type: none">• Completed Subsystem 4.5 code conversion to use Slope Intercept Spectral Correction Coefficients. (Nolan)• Generated SSF files for all hours of January 12 and 21, 1998 for Erika Geier. (Nolan)• Continued preparing for the next inversion delivery - tested Inversion code using the Slope-Intercept spectral correction coefficients, modified the binary comparison code to check for column averaged relative humidity, and updated the operator's manual. (Franklin)• Began modifications to add Vgroups to the SSF HDF file. (Franklin)• Made the slope intercept spectral correction coefficients available over the Web on the SSF Data Validation Web sites. (Flug)	
4.6	Nolan	Combined with above.	

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5.0	Coleman	<ul style="list-style-type: none">• Testing Dave Rutan's modifications to the surface albedo correction algorithm. (Coleman)• Prepared and tested script to process a day of subsetted CRSs. To retrieve the SSFs from the DAAC archives via the daacget command and run the subsystem for 24 hours takes about 2 hours of wall clock time. (Coleman)• Assisting SRB project with their efforts to validate the surface fluxes on the SSF. (Coleman)• Modifying SYN_Open routine in module syn_io.f90 to include a version number as an optional calling argument. (Coleman)	
7.2	Coleman	Combined with above.	
12.0	Coleman	<ul style="list-style-type: none">• Continuing to incorporate ability to use DAS GEOS-3 as primary source for all meteorological data in the event that ECMWF data are not available. (Caldwell)• Coordinating with Man Li Wu of DAS regarding a request for ECMWF data (approved by Tom Charlock). (Caldwell)• Corrected error in MOA read routine used by TISA's PMOA Processor. (Kizer)• Assisting Lindsay Parker in his efforts to read ECMWF data. (Caldwell)	
7.1	Nguyen/Raju	<ul style="list-style-type: none">• Developed IDL code to generate Time series plots to validate TOA LW, SW data requested by the science team. (Raju)• Corrected the errors found in the TOA LW interpolation routines and sent the generated plots to science team members. (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)	
6.0	McKoy	Combined with below.	

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9.0	McKoy	<ul style="list-style-type: none"> Removed use of the SSF footprint colat_toa and long_toa values from the Tisa Gridding code. (Stassi) Added rd_bin_sfc.f90 and rd_bin_fsw.f90 to CVS repository. (Stassi) Compiled Post-MOA code with new version of moa_io.f90 module in CERESlib. Discovered problems in the MOA_to_TISA() routine. Corrected routine and updated moa_io.f90 module. (Stassi, Kizer, Caldwell) 	
11.0	Stassi/ Fan	<ul style="list-style-type: none"> Enhanced ggeo scripts: gen_input_ggeomain.csh, gen_input_ggepost.csh, gen_pcf_ggeomain.csh, gen_pcf_ggeopost.csh, tar_ggeo_data.csh, and check_ggeo_tar_data.csh for flexibility. (Fan) Got cloud's newly restructured libraries and modules. Modified the ggeo_cloud interface to accommodate the changes. (Fan) 	
CERESlib Stassi/ Fan		<ul style="list-style-type: none"> Updated validation versions of CERESlib with new moa_io.f90 module. (Stassi, Kizer, Caldwell) 	
CM	Ayers	<ul style="list-style-type: none"> Created a sample delivery memo using the latest delivery memo template. (Franklin) Updated the CERES CM Homepage - removed the link to the delivery memos, added a link to the Test Plan page, fixed a link to the Prohibited Functions in the EOSDIS Core System, fixed a link to the homepage from the schedules page, and added the latest delivery memo template and sample. (Franklin) Tested GGEO (Subsystem 11.0), Instrument (Subsystem 1.0), and Regrid MOA (Subsystem 12.0) and released them to the Langley DAAC. (Ayers) 	
IST	Flug	<ul style="list-style-type: none"> Set up the production version of the TISA Data Management Web site (http://earth-www.larc.nasa.gov/tisa/tisa). This site provides access to the SRBAVG and GGEO production data on /QA. 	