

**Table 1: July 7, 1999 - Subsystem Status.**

SS No.	SS Lead	Status	Problems
1.0	Escuadra /Cooper	<ul style="list-style-type: none"><li>• Continuing work on updates to SS1 for Terra launch, in scripts and code. (Anselmo, Cooper, Escuadra, Rodier)</li><li>• Continue integration of updates to the Instrument Subsystem for the Terra launch version of SS1. (Rodier)</li><li>• Continue work on the QC Post-Processor. (Escuadra)</li><li>• Began updating the Solar Angle program used to calculate Beta and other Solar Angles for TRMM to include Terra and work with the newest SS1 subsystem code. Updating the existing script to include a new PCF generator, which uses the latest PCF updates for TK 5.2.4. (Cooper)</li><li>• Gathering SW data for use in calculating the coefficients for the Control and Monitor temperatures which will be added to the Count Conversion Equation. (Spence)</li><li>• Continue operational support for TRMM and EOS-AM1. (Weaver)</li></ul>	

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2.0	Chang	<ul style="list-style-type: none"><li>• Modified the metadata routine in the binary ES-8 to ES-8 HDF-EOS conversion program for the input pointer initialization due to the FORTRAN 90 compiler change. (Chang)</li><li>• Modified the solar declination program and the FORTRAN 90 version of the HDF read code to replace the "data" statements in them that the new FORTRAN 90 did not like. (Chang)</li><li>• Moving the latest ERBE-like Subsystems code from blizzard to samantha. (Chang)</li><li>• Met with Kam-Pui to discuss the ES-4 and ES-9 HDF structure changes on 6/21/99. (Robbins, Chang, Kizer, Halvorson, and Hoffman)</li><li>• Had meeting on the Subsystem 2 processing changes proposed by the System Engineering Committee on 6/30/99. (Robbins, Chang, Nolan, and Kizer)</li><li>• Continued modifying the ES-4 HDF conversion program so that it separates the SDS parameters into vgroups first spatially, then temporally, then by clear sky, total sky, and number of observations. There are now three levels of vgroups that lead to the individual SDS parameters. (Halverson, Hoffman)</li><li>• Continued modifying the ES-9 HDF conversion program to correspond to the order and grouping of the parameters of the ES-4 HDF as much as possible. (Halverson, Hoffman)</li><li>• Modified Subsystem 2 PCF generators to add the IMG output files. (Halverson, Hoffman)</li><li>• Attended the ITS security presentation on June 30. (Halverson, Hoffman)</li><li>• Working on a compare program that checks if the data in the new ES-4 HDF output file are the same as those in the original ES-4 HDF. (Halverson, Hoffman)</li><li>• Updated ERBE-like inversion QC report path for the production web page. (Liu)</li><li>• Initiated work to modify the inversion code to use new Slope-Intercept Spectral Correction Module. (Nolan)</li></ul>	
3.0	Chang	Combined with above.	

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4.1	Murray	<ul style="list-style-type: none"><li>Continued to work on debugging and implementing a web based program to interact with Sharon Cady's IDL code. Also, worked on getting the program to display image back to the web. (R. Brown)</li><li>Prepared for and attended the 10th AMS conference. (Sun-Mack)</li><li>Completed processing April 1998 and prepared the results for Pat Minnis and Qing Trepte to use in their presentations at the 10th AMS conference. (Murray)</li><li>Helped complete a delta delivery of the Clouds Subsystems to CM that corrected several problems identified during stress testing at the DAAC. (Murray)</li><li>Corrected a problem with the CloudVis product by correctly using fill values in the particle size fields where appropriate. (Murray)</li><li>Corrected a problem with the TLim test of the Cloud Mask algorithm. We were using the temperature from the wrong MOA pressure level as the threshold which identified the temperature below which everything is a cloud. (Murray)</li></ul>	
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"><li>• Redelivered convolution model and assisted CERES CM in testing delivery. (Miller)</li><li>• Updated Test Plan to agree with current configuration. (Miller)</li><li>• Tested a program to identify footprints beyond a users specified range. (McKinley)</li><li>• Generated additional convolved imager graphics for Mr. Green. (McKinley)</li><li>• Investigated processing failure at the DAAC. The PCF was incorrectly created most likely because the required file was not staged. (Miller)</li><li>• Investigated radiance values Dr. Larry Stowe, NESDIS, was obtaining in his validation of clear aerosol optical depth from the ValidationR3 SSF. Verified the values were nominal through the subsetting HDF they received. Did provide information about several other problems they might encounter. (Miller)</li><li>• Corrected code to ensure that overlap area equal 100. (Miller)</li><li>• Assisted Ms. Georgia Liu in moving the SSF binary QC page from the convolution page to the SSF web page. (Miller)</li><li>• Successfully tested the new read_ies module for instrument. (Miller)</li></ul>	
4.5	Nolan	<ul style="list-style-type: none"><li>• Completed testing of SSF subsetting code. (Nolan)</li><li>• Continued work on monthly PCF generator and execution scripts for SSF subsetting code. (Nolan)</li><li>• Initiated work on Fortran code to convert SSF HDF sdsdump output to formatted document for future updates to sample 5 record SSF read package. (Whitley)</li></ul>	
4.6	Nolan	Combined with above.	

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5.0	Coleman	<ul style="list-style-type: none"> <li>Instantaneous SARB Operator's Manual has been declared ready for Web posting. (Coleman)</li> <li>Completed modifications to code that generates the validation region lists for importation into Framemaker tables to also generate the lists in an F90 format for inclusion in a module for CERESlib. Also completed a README file to go with this CERESlib module. (Coleman)</li> <li>Looking at combining the Main-Processor and the HDF Post-Processor into a single PGE. (Caldwell)</li> <li>Attended ITS training class on 6/28. (Caldwell)</li> </ul>	
7.2	Coleman	Combined with above.	
12.0	Coleman	<ul style="list-style-type: none"> <li>Testing Regrid MOA code with recently received ECMWF data. (Kizer)</li> <li>Working with the Langley DAAC to prepare a pre-processor to read grib-formatted ECMWF data. (Kizer)</li> </ul>	
7.1	Nguyen/ Raju	Combined with below.	
8.0	Raju/ Nguyen	Combined with below.	
10.0	Nguyen/ Raju	<ul style="list-style-type: none"> <li>Made delivery to CM on July 2nd. Both on vacation.</li> </ul>	
6.0	McKoy	<ul style="list-style-type: none"> <li>No new updates</li> </ul>	
9.0	McKoy	Combined with above.	
11.0	Stassi/ Fan	<ul style="list-style-type: none"> <li>Investigating bad data from the METEOSAT satellite. Wrote an IDL program to view the raw data. (Fan)</li> <li>Modified Ed's IDL program to display data from the GGEO output file. (Bolduc)</li> </ul>	

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CERESlib Stassi/ Fan		<ul style="list-style-type: none"><li>• The following modules were updated in the validation versions of CERESlib: moa_io, post_moa_file, fsw_file, fsw_type_def, sfc_type_def, tisa_grid_type_def. CERESlib was delivered to CM. (Kizer, McKoy, Stassi)</li><li>• Added the following scripts to the CERESlib bin directory: check_files.csh, day_and_hour.csh, last_day.csh, three_digits.csh two_digits.csh. (Stassi)</li><li>• Modified the smfcompile_all.csh script to catch error conditions resulting from insufficient directory or file privileges. (Stassi)</li><li>• Discovered that files can be read on thunder across the mount from samantha, if the read program is compiled with the SGI Fortran compiler, but not if it is compiled with NAG. (Fan, Stassi, Raju)</li><li>• A local version of the TK function PGS_IO_Gen_OpenF90.f available for reading data files through read-only mount disk with either Fortran compiler. (Fan)</li><li>• Toolkit v5.2.5 has been released and will soon be ready for testing on the SCFs. (Flippo, Fan)</li></ul>	
CM	Ayers	<ul style="list-style-type: none"><li>• Tested the following CERES subsystem and released it to the Langley DAAC: Clouds Redelivery (Subsystems 4.1-4.4) on 6/25/99. (Franklin)</li><li>• Initiated testing of TISA Gridding (Subsystems 6.0 and 9.0). (Franklin)</li><li>• Updated the Lessons Learned document for the Pre-Terra Deliveries of Instrument and Clouds and posted it on the web on 7/2/99. (Franklin)</li></ul>	
IST	Flug	<ul style="list-style-type: none"><li>• No new updates.</li></ul>	