

Table 1: September 29, 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. Remaining updates to the subsystem should be complete by the end of September. Testing on existing TRMM data to verify that only expected differences are present, will then begin. (Anselmo, Cooper, Escuadra, Hess)• Working on updates to the hcmp program to provide better information about the differences between files, e.g. statistics. (Szewczyk)• Continue supporting analysis of TRMM data. Looking at ERBE three channel intercomparisons for Richard Green to compare the results to CERES. (Spence)• Working on adding anchors to the TRMM Beta Angle table to make it easier to find the data date you are looking for within the table. (Filer)• Continue operational support for TRMM and Terra. (Weaver)	

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2.0	Nolan	<ul style="list-style-type: none">• Completed testing of Lee-hwa's latest changes to Subsystem 2.0, with the latest version 2 of Slope-Intercept Spectral Correction Module. (Nolan)• Continued work to combine Subsystem 2 PGEs. Continued testing of all modifications. (Nolan)• Continued work to create a version of the ERBE-like Test Plan and Operator's Manual, which reflects the reduction in the number of Subsystem 2 PGEs. (Nolan)• Continued work to find the cause of the error returned by HDF when writing CERES vdata on ES8 HDF file. (Franklin)• Initiated work on ES8 HDF code which will incorporate some of Lee-hwa's reduced execution time design and will also correctly write the CERES vdata on ES8 HDF file. (Bolduc)• Wrote a program that creates the PDF version of a FrameMaker document on the SGI. (Flug)• Currently updating documentation and preparing to make code available over the Web. (Flug)• Updated SS3 code to place a copy of the ES-9 and ES-4 QC reports in the ERBE-like Web area. (Flug)• Regenerated several cumulative ERBE-like QC reports that were found to be missing information. (Flug)	

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3.0	Kizer	<ul style="list-style-type: none">Continued with familiarization and testing of Subsystem 3.0. (Kizer, Halverson)Continued with updating code by converting the include files and common blocks from scnlib and tsalib libraries into modules for subsystem 3. (Halverson)Began updating and incorporating the ES-9 binary to HDF conversion software to mimic the ES-4 HDF file layout.Continued with updating subsystem ASCII file generators, PCF generators, and run scripts for single and multiple satellite processing. (Kizer, Flug)Began scripts combining the ASCII file and PCF generators for Subsystem 3. (Bolduc)Continued updating SS3 portion of ERBE-Like Test Plan for next software delivery. (Kizer)Began updating SS3 ERBE-Like Operator's Manual for next software delivery. (Kizer)Generated June, July and August 1998 ES-4s and ES-9s for Science Team to study new Spectral Correction Algorithms used in SS2. (Kizer)	

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4.1	Murray	<ul style="list-style-type: none">Continued to work on setting up IDL to run through the web. Updated the code I was using with new code supplied by Sharon. (R. Brown)Began working on automation of IDL for GIF file generation. (R. Brown)Implemented Pat Minnis' new idea for creating the ratio (ref1.6/ref0.6 um) directional model. Ran October 1998 to produce the needed information. (Sun-Mack)Pat Minnis wants to participate in the Cloud MASK intercomparison by running AVHRR LAC data. Received some LAC data and began working on the ingest module, CID_LAC. (Sun-Mack)Attended the Mcidas class. (Sun-Mack)Began preliminary discussions and efforts to integrate the Cloud algorithm into the GGEO subsystem. (Sun-Mack, Murray)Continued validation of DAAC production runs. Processing May, 1998. Normal set of plots and charts available for January - April, 1998. (Murray)Implemented several versions of the Subset algorithm. Compared execution times and other impacts. Decision over which to choose is pending. (Murray)Completed staging of October 1998 data and generated the 10 minute Clear Sky baseline information. (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">• Investigated the impact of sampling only one pixel per grid bin on accuracy and timing. Using a TRMM RAPS day, a 40 percent time reduction was seen (29 vs. 49 minutes). Comparison for one hour has been prepared for Richard Green. (Miller)• Loaded all of March 1998 SSF data to lightning and completed post processing. (Miller)• Started post processing of April 1998 SSF data. (Miller)• Investigated code changes to convolution to handle cookie dough files smaller than the 500 line buffer now used. (Miller)• Continued discussion with Dr. Larry Stowes' group on how mean aerosol optical thickness is calculated by convolution. (Miller)• Assisted Ms. Geier in using the low-fat cookie cutting software. (Miller)• Prepared graphics and obtained VIRS data for Mr. Lindsay Parker as he prepared a proposal with Dr. Bruce Wielicki. (McKinley and Miller)• Tested new cookie dough visualization tools. (McKinley)• Tested cookie dough visualization tools. (McKinley)• Updated convolution documentation in StP. (McKinley)• Completed cloud retrieval and convolution operators manual. It has been posted on the web. (Miller)	

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4.5	Nolan	<ul style="list-style-type: none"> Completed Subsetted SSFs for April and part of May 1998. (Nolan) Continued work to add Slope-Intercept Spectral Correction algorithm in Subsystem 4.5. (Nolan) Continued work on the SSF HDF Input/Output (I/O) module and read software. (Franklin) Successfully tested the inversion code on samantha using Toolkit 5.2.5. (Franklin) Modified Appendix C of the Inversion Test Plan. (Franklin) Initiated work to modify the Inversion ASCII and PCF generators to include the daytime and nighttime Slope-Intercept Spectral Correction Coefficient files. (Franklin) 	
4.6	Nolan	Combined with above.	
5.0	Coleman	<ul style="list-style-type: none"> Continued updating Synoptic SARB modules that initialize and finalize processing for consistency with similar Instantaneous SARB modules. (Coleman) Received approval from Fred Rose on implementation of most recent updates to the Fu-Liou model. (Coleman) 	
7.2	Coleman	Combined with above.	
12.0	Coleman	<ul style="list-style-type: none"> Completed corrections to errors found in testing of first ECMWF-based MOAs. (Caldwell) Regenerated ECMWF-based MOAs for January '98 for initial testing by the PMOA and Instantaneous SARB Subsystems. (Caldwell) 	
7.1	Nguyen/Raju	<ul style="list-style-type: none"> Tested and delivered the software to CM. (Nguyen, Raju) 	
8.0	Raju/Nguyen	<ul style="list-style-type: none"> No new updates 	

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10.0	Nguyen/ Raju	<ul style="list-style-type: none">• Participated in the Subsystem CM delivery. (Nguyen, Raju)• Updated read_hdf software to read new parameters (Tot. Aero. Vis. Opt. Depth @ 0.63 and 1.6 microns) from the SRBAVG1 product. (Raju)• Updated Comparison software to accommodate the new changes to SS10 products. (Raju)• Corrected IDL program code which generates Time series plots for SS10 process to take year and month as input arguments and to calculate the days of the month to plot data for those days and to write processed month on the plot title. (Raju)• Continue working on the validation tasks: modify codes to include the global pressure difference maps, update software and the plot program to include the pressure time series plots over validation sites, analyzing log(optical depth) problems. (Nguyen)	
6.0	McKoy/ Stassi	<ul style="list-style-type: none">• Corrected the equation to calculate the hour angle in the algorithm that calculates the cosine of the solar zenith angle. (McKoy)• To resolve the Toolkit metadata problem (see right), Ms. Fan provided a modified version of the CERESlib meta_write module to be included in the Tisa Gridding subsystem code. The modified module is required for both Post processors and for the Post MOA PGE. (McKoy, Fan, Stassi)• The Tisa Subsystems were delivered to CM and the DAAC. (McKoy)	<ul style="list-style-type: none">• TK 5.2.5 cannot hold all the input file info in the metadata.
9.0	McKoy	Combined with above.	

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11.0	Stassi/ Fan	<ul style="list-style-type: none">• Modified the GOES-west code to call the filtering algorithm, originally developed for GOES-8. Built in the checking and correction of time information in the header of each scanline. (Fan, Stassi)• Wrote a program to read cloud background information: water content, emissivity, and global maps. (Fan)• Started working on the GGEO pixel and chunk structures, which will be used for cloud property retrieval. (Fan)• The GGEO subsystem was delivered to CM and the DAAC. (Stassi)	
CERESlib Stassi/ Fan		<ul style="list-style-type: none">• No updates	
CM	Ayers	<ul style="list-style-type: none">• Tested TISA Gridding (Subsystems 6.0 and 9.0) and GGEO (Subsystem 11.0) and released them to the Langley DAAC. (Franklin)• Posted the latest delivery schedule to the web. (Franklin)• Testing TISA Averaging (Subsystems 7.1 & 10.0). (Ayers)	
IST	Flug	<ul style="list-style-type: none">• Began work on the capability to display information from the Detailed Activity Reports.	