

Table 1: June 23, 1999 - Subsystem Status.

SS No.	SS Lead	Status	Problems
1.0	Escuadra /Cooper	<ul style="list-style-type: none">• Completed work on putting QC Reports in HTML compatible format. (Rodier)• Continuing work on updates to SS1 for Terra launch, in scripts and code. (Anselmo, Cooper, Escuadra, Rodier)• Continue integration of updates to the Instrument Subsystem for the Terra launch version of SS1. (Rodier)• Updating Instrument package code for Terra. (Hess)• Continue work on the QC Post-Processor. (Escuadra)• Gathered information on data investigations on early TRMM data to present to the IWG in preparation for Terra launch. (Hess)• Started working on the F90 IES write module, which has since been cancelled. (Spence)• Continuing investigations of Second Time Constant using the automated code. The automated system still requires some work. (Spence)• Presented the Instrument overview at the Subsystem reviews June 17 & 18. (Anselmo, Spence)• Verifying the code to add the check for Moon Scan in the SpaceClamp. (Anselmo, Cooper)• Continue operational support for TRMM and EOS-AM1. (Weaver)	

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2.0	Chang	<ul style="list-style-type: none">Continued to provide support to Jason and Heather on rewriting the programs that convert binary ES-4 and ES-9 to ES-4 and ES-9 HDF. (Chang)Continued to test the ERBE-like programs and scripts on samantha for the new operating system, PGS Toolkit, and CERESlib. (Chang)Tested and modified the F90 version of the HDF read code due to the F90 compiler change. (Chang)Rewrote the binary ES-4 to ES-4 HDF conversion program using HDF routines instead of HDF-EOS routines. (Halvorson, Hoffman)Renamed the SDS parameter names for the ES-9 HDF and placed them in a new sequence that corresponds to the order of the ES-4 SDS names. (Halvorson, Hoffman)Rewrote the ES-9 HDF conversion program to use 155 SDS names instead of 6 header names so that the parameter data can be retrieved or viewed individually. (Halvorson, Hoffman)Read information concerning vdata and vgroups so that we may rewrite the ES-4 and the ES9 HDF using vgroups. (Halvorson, Hoffman)Prepared and participated in the presentation of the CERES Software Status Review for the ERBE-like Subsystems. (Chang, Liu)Worked on the ES-4 and TISA difference programs. Converted ES-4 from 2.5-deg equal-angle to 1-degequal-angle, generated ES-4 plot with 1-deg, and generated ES-4 and TISA difference plot. (Liu)Tested and modified some routines in the graphics code on samantha because of the operating system upgrade. (Liu)	
3.0	Chang	Combined with above.	

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4.1	Murray	<ul style="list-style-type: none">Continued to work on the development of Web/IDL interface by creating a script to process web input and pass user input into IDL program. Began testing the setup of the interface. (R. Brown)Implemented an off-line algorithm to study the use of a Ratio Mask test as an augmentation to the CERES Cloud Mask. (Sun-Mack)A new dx for CloudVis visualization was made available. Being a tester, created cloudvis files with new format, tested the new delivery, gave feed back. (Sun-Mack)Completed worked on the module CID_MODIS. Implemented a new time calculation. Made observations about the increase in memory due to MODIS imager volume. (Sun-Mack)Staged VIRS, Snow & Ice, MOA, and attitude and ephemeris data for April 1998 to the SCF for processing. Running every 3rd hour, generated data to produce the 10 Clear Sky Start up map for the month. Generated and validated the maps. (Murray, Sun-Mack)Worked with CM to get the clouds delivery through CM and to the DAAC for further testing. (Murray)Began processing April 1998 in preparation for the 10th AMS conference on Atmospheric Radiation. Began producing desired plots, charts, etc. (Murray)Investigated problems with the Clouds delivery identified by Brian Getzewich during operational testing at the DAAC. Corrected a problem with the Subset CloudVis algorithm that incorrectly shutdown processing when a Subset file crossed into the section and sent it to CM. (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">• Assisted CERES CM in testing delivery. (Miller)• Updated Test Plan to agree with current configuration. (Miller)• Tested a program to identify footprints beyond a users specified range. (McKinley)• Generated convolved imager graphics for Mr. Green. (McKinley)• Produced statistics for sampled imager data SSF vs. standard run. Coordinated inversion processing of these hours. (Miller)• Assisted Mr. Joe McInerney in running cloud retrieval to generate data to match with TMI. (Miller)• Investigated overlap area not equal to 100. Majority are 99 or 101 caused by round-off error; however, did have some as low as 72 percent. These appear to be a result of missing imager cloud effective pressure. (Miller)• Prepared and delivered a presentation on cloud retrieval and convolution science algorithms. (Miller)• Discovered an error in the delivery code that prevent GRings being written for paths that do not cross the Prime Meridian. (Miller)	
4.5	Nolan	<ul style="list-style-type: none">• Completed Subsystem 4.5-4.6 delta delivery to the CERES CM and the DAAC. (Franklin and Nolan)• Continued testing of SSF subsetting code. (Nolan)• Generated eight SSF files for Walt Miller. (Nolan)• Presented overview of Subsystem 4.5-6 at CERES Subsystem Overview Meeting. (Nolan)• Completed work on web version of the daily QC report in “ERBE-like format. (Whitley and Nolan)• Completed software to produce monthly input file for daily average web plots for SSF parameters. (Whitley and Nolan)• Completed read software with new SSF subset format. (Whitley and Nolan)	
4.6	Nolan	Combined with above.	

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5.0	Coleman	<ul style="list-style-type: none">• Prepared and delivered presentation for June 17 Subsystem review. (Caldwell, Coleman, Kizer)• Subsystem 5.0 Test Plan was deemed ready for the web. (Coleman)• Subsystem 5.0 Operator's Manual given to documentation, and now in final review before being deemed web ready. (Coleman)• Modifying code that generates list of validation regions to also output region numbers in a format that can be copied into a Fortran 90 module for inclusion in CERESlib. (Coleman)• Continued work on HTML QC interface. Began developing frame-based version of interface. (Caldwell)• Continued work on QC parameter descriptions to provide a single source for not-too-technical explanations of QC statistics. (Caldwell)	
7.2	Coleman	Combined with above.	
12.0	Coleman	<ul style="list-style-type: none">• Updating top-level Regrid MOA Subsystem tables and charts. (Kizer)	
7.1	Nguyen/ Raju	<ul style="list-style-type: none">• No new updates.	
8.0	Raju/ Nguyen	<ul style="list-style-type: none">• No new updates.	
10.0	Nguyen/ Raju	<ul style="list-style-type: none">• Validating surface fluxes. (Nguyen)• Validating cloud column weightings. (Raju, Nguyen)• Presented TISA Averaging Subsystem 10 status during CERES Software Status Review. (Nguyen, Raju)• Preparing for the July 7th Subsystem10 delivery to CM. (Nguyen, Raju)	

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6.0	McKoy	<ul style="list-style-type: none">Validating the FSW data for January 1998 that was created at the SCF. Correcting / modifying the TISA Gridding software for the main processor as problems are discovered. Currently validating the TOA Flux data. (McKoy)It was decided that TISA Averaging and TISA Gridding would re-implement / modify the column weighted cloud algorithms. Began working on the TISA Gridding column weighted cloud (algorithms) module that will be used specifically by the TISA Gridding subsystems. Currently looking at the SW TOA weighting. (McKoy)Modified the type definitions of the SFC and the FSW product to eliminate padding placed in by the compiler. This allows for the type definition of SFC and FSW to be compatible between the SGI and the NAG compiler. (McKoy)Add the Column Averaged Relative Humidity read from the MOA product to the FSW product per the request of Dave Young. (McKoy)Corrected the algorithm to calculate the Albedo TOA average and standard deviation. (McKoy)When the structure holding the overlap data from SSF was passed into a subroutine, the value of the array elements in the structure were not the same once the structure was passed into the subroutine. The problem was corrected by assigning the array elements of the structure to a local variable and passing the variable to the subroutine. Discovering this problem did lead to the determining the overlap data on the footprint does not always add up to 100 percent as stated in the definition for overlap on the SSF. Walt Miller is looking into this problem. (McKoy)Prepared presentation for the CERES Software Status Review. (McKoy)	
9.0	McKoy	Combined with above.	

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11.0	Stassi/ Fan	<ul style="list-style-type: none">• Prepared for and presented the GGEO Subsystem overview. (Stassi, Fan, Seaman, Kizer)• Completed a program to read GOES-8 Monthly QC report and produce yearly report about bad data. (Bolduc)• Worked on bringing GGEO and Granfiles into Ed's IDL program. (Bolduc, Fan)	
CERESlib Stassi/ Fan		<ul style="list-style-type: none">• Added variable "group" to data type meta_type for user to inform wrapper about the group that an attribute belongs to. This is to minimize the unwanted message in the LogStatus file. (Fan)• Assigned group value for every attribute which the wrapper knows. (Fan)• Found an issue about PGS_MET_GetPCAttr function. It returns all capitalized string (i.e Passed becomes PASSED) after a fail attempt of retrieving an attribute. (Fan)	
CM	Ayers	<ul style="list-style-type: none">• Tested the following CERES subsystems and released them to the Langley DAAC: Instrument (Subsystem 1.0) on 6/9/99, Clouds (Subsystems 4.1-4.4) on 6/11/99, and Inversion (Subsystems 4.5-4.6) on 6/13/99. (Franklin)	
IST	Flug	<ul style="list-style-type: none">• No new updates.	