

Table 1: March 31, 1999 - Subsystem Status.

SS No.	SS Lead	Status	Problems
1.0	Escuadra /Cooper	<ul style="list-style-type: none">• Running EOS Spacecraft End-to-End test data through the instrument subsystem. (Cooper, Rodier)• Preparing the delivery package for the next delivery the first part of April. Running tests to verify all software changes. (Rodier)• Working with the latest TRMM data to determine the degradation rate of the DAA +15 V converter. (Hess, Spence)• Completed the program to convert radiances when the Instrument is in stow to be used to determine instrument noise for Kory Priestly. Creating plots to send to Kory. (Escuadra)• Continue working with DAAC and DMT personnel to get ready for the TERRA End-to-End tests at the end of March, beginning of April. (Cooper, Rodier)• Continue operational support for TRMM and EOS-AM1. (Weaver)	

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2.0	Chang	<ul style="list-style-type: none">• Modified Inversion code to have the average viewing zenith and azimuth angle values of a region set to default in EID-6 if any measurements used in the averaging for the region are not from crosstrack records. New Inversion code was tested and EID-6 file was validated. (Chang)• Examined and made the necessary updates to all the scripts and programs for current TRMM data processing so that they can also be used to process EOS-AM data. (Chang)• Received 4 pre-ES8 files, with and without the 2nd time constant filter turned on, from Subsystem 1.0 and processed them through Subsystem 2.0 for Richard to evaluate. (Chang)• Started updating multiple-satellite Monthly T/S Averaging code (pre-processor and processor) for PCF runtime parameters and metadata items. (Chang)• Added the CERES ADMs to the ERBE-like Data Validation Web Page. (Flug)• Delivered Subsystem 2.0 Operator's Manual to Maria for her review. (Snell)• Continued work on the Subsystem 3.0 Operator's Manual. (Chang, Snell)	
3.0	Chang	Combined with above.	

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4.1	Murray	<ul style="list-style-type: none">Continued development of a link-checker program for use in maintaining individual Team Member web pages. (R. Brown)Continued to research the possibility of using IDL through the web. (R. Brown)Worked on making changes to the web page as needed and worked on fixing a problem with Action Item Utility. (R. Brown)Worked on developing the MODIS reader and CID_MODIS modules. (Sun-Mack)From a monthly run of January, produced new 1.6 um overhead albedo and reflectance ratio start up maps. (Sun-Mack, Murray)Worked with Pat Minnis to produce data and text for the 10th AMS conference paper using data from the January 1998 runs at the SCF. (Sun-Mack, Murray)Compared the data generated at the DAAC for January 1998 with those generated at the SCF. They were comparable. (Murray)Continued work on the development of the new CloudVis product. (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">• There was at least one layer note incorrectly set to default in the production run. It was in a different hour than the test case. Approximately half the code has been reinspected looking for initialization and array bounds problems. Several changes were made, but unlikely to have any direct impact on the problem. (Miller, McKinley)• Worked on SSF Collection Guide cloud mask section. (Miller)• Modified driver program to produce an output data file to ease producing specific graphics. Processed all of the January 1998 data. (Miller)• Created a module to produce SSF based cloud property statistics similar to cloud retrievals on a daily basis. Generated a subroutine that produces an html file that can be directly posted on the web.• Reviewed the January 1998 DAAC ValidationR3 operational run. (Miller)• Discovered another problem with the SGI 7.1.2 compiler. Provided Mr. Stassi a simple sample of it. He provided a workaround. (Miller)• Produced daily binary QC files from the hourly files and posted on the web. Updated the production strategy to include ValidationR3.• Updated convolution web pages. (Miller)• Assisted Ms. Snell in trying to understand the regional visible radiance values from the FSW and relation to GGEO radiances from the same box. The FSW values seems to be extremely low and uncorrelated with GGEO. (Miller)• Reviewed latest version of the SSF Collection Guide. (McKinley)• Discussed Terra production issues with Ms. Mitchell and Mr. Murray. (Miller)	

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4.5	Nolan	<ul style="list-style-type: none">• Created programs which will format and display the production version of the CERES Spectral Correction Coefficients and Shortwave, Longwave and Window Channel Angular Distribution Models (ADM) files on the web. (Nolan)• Recompiled web version of SSF read software using NAG F90 (on saisun26 guest account). This code would not work with the Sun version of F95. Wrote a small test program that gives a core dump when run using the Sun version of F95, but will work with the SGI version of NAG F95. Worked with SAs on reporting F95 bug to NAG. (Nolan).• Compiled a list of differences between ValidationR2 and ValidationR3 SSFs. (Nolan)• Initiated work on a new version of the SSF subsetting software. (Nolan)• Updated the 5-record SSF HDF sample package to fix some misleading comments, change an SDS name in the DPC pages, and include an example of reading an SDS of rank 3. The package was delivered to CERES CM on March 25, 1999. (Franklin)	
4.6	Nolan	Combined with above.	
5.0	Coleman	<ul style="list-style-type: none">• Completed modifications to PGE CER5.2P1 software to write 185 single-parameter SDSs instead of 31 multi-parameter SDSs. Provided input on the procedures to use to evaluate the CRS HDF product. (Franklin)• Delivered Instantaneous SARB software to CM and DAAC, with all required accompanying documentation (test plan, delivery memo, draft operator's manual). (Coleman, Franklin, Kizer)• Sent draft operator's manual to Maria at the same time it was sent to CM. (Coleman)• Processed January 1, 1998 at the SCF for Fred Rose and Dave Rutan. (Coleman)• Began processing January 1998 through Instantaneous SARB. (DAAC)• Prepared line counts and byte counts for PGE size chart. (Coleman)	

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7.2	Coleman	Combined with above.	
12.0	Coleman	<ul style="list-style-type: none">• Responded to Glenn Iona's ETE Test questions regarding CERES and DAS data. (Kizer, Coleman)• Made delta delivery of the Regrid MOA Subsystem to the DAAC to correct the column averaged relative humidity values over land. (Kizer)• Validated the corrected column averaged relative humidity values produced with the delta delivery of the Regrid MOA Subsystem with Fred Rose. (Kizer)• Continued development of the software within the Regrid MOA Subsystem that reads and regrids the ECMWF data. (Kizer)	
7.1	Nguyen/ Raju	Combined with below.	
8.0	Raju/ Nguyen	<ul style="list-style-type: none">• Ran SS8 main processor on thunder with all the changes to the TISA Averaging code for verification purposes. (Raju)	
10.0	Nguyen/ Raju	<ul style="list-style-type: none">• Validated SS10 total-sky albedo and clear-sky albedo interpolation routines using January data. (Raju, Nguyen).• Delivered TISA Averaging software and updated documentations to CM as part of SS10 DAAC delivery. (Raju, Nguyen).• Validated the read SRBAVG program and working on README file. (Raju).• Modified the interpolation routines to handle the PMOA without the overlap hours. (Nguyen).	

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6.0	McKoy	<ul style="list-style-type: none"> Delivered the TISA Gridding software and associated documentation to the Langley DAAC. (McKoy) Currently investigating the cause of the 2 failures that occurred in PGE 9.2P1 during production at the Langley DAAC. The source of the problem has been narrowed down to the LW TOA column-weighted cloud averaging algorithm. (McKoy) Preparing read software and associated documentation to be delivered to the Langley DAAC for the SFC HDF product. The software will use the HDF routines provided by Pete Spence. (McKoy) 	
9.0	McKoy	Combined with above.	
11.0	Stassi/ Fan	<ul style="list-style-type: none"> Modified the GGEO Test Plan and distributed it for review. (Stassi) Completed draft of GOES-8 streak paper. Distributed it for review. Now incorporating comments. (Fan, Stassi) Modified three scripts in order to run GOES-10 input file, which replaces GOES-9 starting at the middle of July 1998. (Fan) Corrected a bug that caused plotting errors for validation runs for which the first image in the GGEO file is not plotted. (Stassi) Found that we cannot open files under samantha production directories mounted to thunder. Need to make a local copy to read data from a production output file. (Raju, Stassi, Fan) 	
CERESlib Stassi/ Fan		<ul style="list-style-type: none"> The Toolkit people clarified that the two temporary files used by metadata tools are only required for HDF files. (Fan, Kizer) 	
CM	Ayers	<ul style="list-style-type: none"> Tested the following CERES subsystems and released them to the Langley DAAC: CERESlib, SARB (Subsystem 5.0), MOA (Subsystem 12.0), and TISA Averaging (Subsystem 10.0). Also delivered the SSF Sample Read Package to the DAAC. (Ayers) 	
IST	Flug	<ul style="list-style-type: none"> No new updates. 	