

**Table 1: March 3, 1999 - Subsystem Status.**

SS No.	SS Lead	Status	Problems
1.0	Escuadra /Cooper	<ul style="list-style-type: none"><li>• Continue to work on Automated Coastline Detection algorithm. Reasons for differences between the Manual and Automated system have been tracked down. Working to complete possible algorithm updates to present to the IWG in March. (Cooper, Rodier)</li><li>• Integrating script changes and correction of FM2 Count Conversion Coefficients for next DAAC delivery on March 25. (Rodier)</li><li>• Working with Jill Travers to gather information on what will be needed to run the Instrument Subsystem for the Terra End-to-End test. Data will be run at the SCF, since the new ToolKit and a patch that has not yet been released will be needed to read the Ephemeris/Attitude data. (Cooper)</li><li>• Working on a program to convert radiances when the Instrument is in stow to use to determine instrument noise for Kory Priestly. (Escuadra)</li><li>• Working with DK Pandey to determine the Second Time Constant Coefficients for EOS-AM1 FM1 and FM2. (Spence)</li><li>• EOS-AM1 test data from the Jan. 26 and 28th SpaceCraft tests was received at LaRC. Processed this data with the latest SS1 code. The data has been made available on thunder for analysis. (Cooper)</li><li>• Completed Ops Manual. (Cooper)</li><li>• Validating the Instrument Engineering data from the EOS-AM1 test data from Jan. 26 and 28th. (Hess)</li><li>• Working on the Terra End-to-End test procedures for CERES. Gathering information on the End-to-End test and to get a definition of the data expected to be sent to the LaRC DAAC from the test. (Weaver)</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>• Rewrote the README file and the C version of ES-8, ES-4, and ES-9 example read programs. All three programs now use the same latest readHDFfuncs.c from Subsystem 1. (Chang)</li><li>• Created a 50-records ES-9 HDF for the example read programs. (Chang)</li><li>• Completed scripts to have the expected output file names written to the PCF-like files for the ES-8 and ES-4 GIF/Web files. (Liu, Flug, Chang)</li><li>• Modified several production scripts to output the Web-related QC files to the locations specified in the PCF-like file. Modified the Web applications that access the test data on samantha to look for the QC files in their new location. (Flug)</li><li>• Modified the Ancillary Input Data Web page to make the data listings more understandable. (Flug)</li><li>• Fixed the errors that caused generating ppm file to fail in the ES-8 plotting program. (Liu)</li><li>• Added warning messages for the label alignment problem in the ES-8 graphics for the public ES-8 Web page. (Liu)</li><li>• Continued work on the Subsystem 2.0 Operator's Manual. (Chang, Snell)</li><li>• Continued work on the ES-4 Collection Guide. (Robbins, Ayers, Chang)</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 incorporating additional ancillary data sets into the zooming program. (R. Brown)</li><li>Received Revised Phase Determination and Correlated K algorithms from Pat Heck. Integrated them into the Cloud code. (Sun-Mack)</li><li>Added code to refine the shadow mask results, to include directional model calculations for 0.6 m, 1.6 m and ratio of 1.6 to 0.6 m means and std. Also re-produced albedo start-up maps using VIRS directional models. (Sun-Mack)</li><li>Implemented a revised version of the 1.6 micron thermal leak fix from Larry Stowe. (Sun-Mack)</li><li>Continued preparations for Delivery of Subsystems 4.1-4.4 and completed by 3/1/1999. Completed thorough testing of new and improved algorithms. (Murray)</li><li>Added code to identify VIRS scanlines that are in night mode and make the visible radiances the CERES default values. (Murray)</li><li>Completed testing of a work-around that will allow us to correctly produce CloudVis files on lightning under the new compiler and OS. (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>• Discovered cause of anomalous dark albedo's seen by Dr. Stowe's group. Related to a VIRS software bug where visible radiances were not sent to default even though they had not been transmitted down from the spacecraft. Fixed in cloud retrieval. (Miller)</li><li>• Corrected imager viewing zenith and relative azimuth algorithm for cases where there is not a value for the four center bins. (Miller)</li><li>• Worked on SSF Collection Guide reviewing latest draft and writing missing sections. (Miller)</li><li>• Ported delivery code and test suite to samantha. Made delivery on March 1, 1999. (Miller)</li><li>• Assisted Ms. Sun-Mack in implementing correction to VIRS 0.63 radiance. (Miller)</li><li>• Reprocessing VIRS completed through August 25, 1998 at TSDIS. (Miller)</li><li>• Finalized output format for program to provide quality control of an SSF granule at the SCF. (Miller)</li><li>• Updated the Operations Manual for files added to this delivery. (McKinley)</li><li>• Updated Delivery Memo and Test Plan for this delivery. (Miller)</li><li>• Continued validation of the TRMM SSF using DX. (Miller)</li></ul>	

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4.5	Nolan	<ul style="list-style-type: none"><li>Continued to work on the module that reads the SSF HDF file into a structure that can be printed by the ssfread program. (Franklin)</li><li>Modified the ascii and pcf file generators for PGEs CER4.5-6.1P1 and CER4.5-6.2P1 to create unique temporary metadata filenames during each PGE execution. (Franklin)</li><li>Made modifications to the CERES Inversion Test Plan and Operator's Manual to include current execution times, memory use, and new temporary metadata filename. (Franklin)</li><li>Updated the Inversion delivery memo. (Franklin)</li><li>Retested and retarred files and delivered the updated Subsystem 4.5-6 DAAC delivery package to CM on February 19, 1999. (Franklin)</li><li>Initiated work on an updated 5-record SSF HDF sample file and related read software package to be delivered to CERES CM. (Franklin)</li></ul>	
4.6	Nolan	Combined with above.	
5.0	Coleman	<ul style="list-style-type: none"><li>At Fred Rose's request, increased (slightly) values of upper ranges used to determine whether or not SARB-produced profiles are in range and can be written to the CRS. (Coleman)</li><li>Introduced Fred to the Error message files in /runlogs, and showed him how to use them in conjunction with the QC report. (Coleman)</li><li>Trying to determine why QC report shows non-zero statistics for cloud property adjustments for clear-sky FOVs. (Coleman)</li></ul>	
7.2	Coleman	Combined with above.	

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12.0	Coleman	<ul style="list-style-type: none"> <li>• Regrid MOA Subsystem delivered to DAAC, promoted to production, and processed for entire month of January 1998. (Kizer and DAAC)</li> <li>• Coordinating with DAAC concerning software needed for a "quick-check" of the ECMWF data once ECMWF begins delivering data operationally. (Kizer)</li> <li>• Continuing to work on version of Regrid MOA Subsystem and corresponding plotting software that use ECMWF data as the primary meteorological data source. (Kizer)</li> <li>• Attended ISO 9000 training. (Kizer)</li> </ul>	
7.1	Nguyen/ Raju	Combined with below.	
8.0	Raju/ Nguyen	<ul style="list-style-type: none"> <li>• Checking and updating the prologues for the modules. (Raju)</li> </ul>	
10.0	Nguyen/ Raju	<ul style="list-style-type: none"> <li>• Checking the Geostationary Data Narrowband to Broadband conversion routines and outputting the values for validation purposes. (Nguyen, Raju)</li> <li>• Continue validating SS10 TOA SW flux interpolation routines using January data. (Nguyen, Raju)</li> <li>• Completed modifying TISA Averaging Operator's Manual. (Raju, Nguyen).</li> <li>• Continued modifying the Test Plan accordingly to the new Test Plan template. (Nguyen).</li> <li>• Started testing SS10 on samantha in preparation for DAAC delivery. (Raju, Nguyen)</li> <li>• Talked to Dave Young about adding the broadband to GGEO. Dave would like to have GGEO as a stand alone data since the conversion of narrowband to broadband is only a simple calculation. (Nguyen).</li> </ul>	
6.0	McKoy	<ul style="list-style-type: none"> <li>• Completed updating the TISA Gridding test plan. Continuing to prepare for the March 8 delivery. (McKoy)</li> <li>• Validation of the January 1998 SFC and FSW product will continue at the SCF. Currently validating the solar zenith angle calculations and the SW data. (McKoy, Young)</li> </ul>	

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9.0	McKoy	Combined with above.	
11.0	Stassi/ Fan	<ul style="list-style-type: none"> <li>Completed the first draft of the GOES-8 streak study report. (Fan)</li> <li>Modified the script that produces the subsystem PCFs so that the GetAttr.temp and MCFWrite.temp file names are tagged with a job-unique extension according to Maria's recommendations. (Stassi)</li> <li>Modified the GGEO post-processor QA report header to include data start and stop dates. (Stassi)</li> <li>Made final modifications to GGEO Operator's Manual and sent it to Von. (Stassi)</li> <li>Updated the scripts so that the code can still run with B3 input data. This is not needed for production but is a way to check the navigational angle calculation by comparing the calculated values to those coming in on the B3 input data. (Stassi)</li> <li>Delivered GGEO subsystem to CM for delivery to the DAAC. (Stassi)</li> </ul>	
CERESlib Stassi/ Fan		<ul style="list-style-type: none"> <li>Tested Toolkit version 5.2.4 on blizzard, thunder, and lightning for both NAG 95 and SGI compilers. (Fan)</li> </ul>	
CM	Ayers	<ul style="list-style-type: none"> <li>Tested the following CERES subsystems and released them to the Langley DAAC: CERESlib, MOA (Subsystem 12.0), GGEO (Subsystem 11.0), and Inversion (Subsystems 4.5 &amp; 4.6). (Ayers)</li> </ul>	
IST	Flug	<ul style="list-style-type: none"> <li>Modified the instrument operations option on the TRMM IST to display information even when only the beta angle files are present.</li> </ul>	