

**Table 1: May 12, 1999 - Subsystem Status.**

SS No.	SS Lead	Status	Problems
1.0	Escuadra /Cooper	<ul style="list-style-type: none"><li>• Began looking at the design of a post-processor for IES to read the original IES and subset by region to help in validation of TISA and SARB, by reducing the amount of data. (Anselmo, Cooper, Escuadra)</li><li>• Continue work to put Ground Track Plots on the Instrument Web Page. (Filer)</li><li>• Continued investigation of the swap in noise profiles of FM1 and FM2 from the calibration data. (Escuadra, Hess)</li><li>• Looking at GSE data to determine if the Instrument IDs for FM1 and FM2 are correctly set during testing at TRW. (Escuadra)</li><li>• Beginning validation of data from the April SS1 delivery to the DAAC. (Cooper, Rodier)</li><li>• Continue development of an Automated Second Time Constant generator program. Testing early results and updating the algorithm. (Spence)</li><li>• Working to develop a better format for the QC reports that can be displayed on the Web. (Rodier)</li><li>• Continue operational support for TRMM and EOS-AM1. (Weaver)</li></ul>	
2.0	Chang	<ul style="list-style-type: none"><li>• No new updates.</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 the IDL/web interface. Attended the IDL200 class. (R. Brown)</li><li>Worked on MODIS reader. Communicated with MODIS people.</li><li>Worked with Pat Heck to identify, correct, and test a problem with the VINT algorithm and the Skin Temperature. Also identified and corrected a VINT interface error that utilized the 19 IGBP types rather than the collapsed scene types that it received. (Sun-Mack)</li><li>Worked on TWP validation for all the overpasses during the first 6 months of 1998. This work included data setup (VIRS, MOA, SnowIce maps (Murray), etc.). Ran the overpasses, binned the results, and put the results on the web.</li><li>Prepared for and attended the Science Team Meeting. (Sun-Mack, Murray)</li><li>Produced several re-runs of the January 1998 data. (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>• Determined monthly statistics by ERBE Scene ID and solar zenith angle (day vs. night) of cloud cover in four bins. This was to assist TISA in finding missing nighttime clear sky values. (Miller)</li> <li>• Investigated variations in the CERES broadband to VIRS Narrowband regression. Discovered that the VIRS channel 1 gains were 2% higher for the first 10 days. TSDIS indicated that they did not received the final gain until January 10 had been processed. They do not plan on reprocessing until September 1999. (Miller)</li> <li>• Tracked the low reflectance when VIRS was in night mode during the day to clouds on setting cookiedough radiances to default, but not internally. (Miller)</li> <li>• Prepared ancillary data describing VIRS gain and offsets requested by Mr. Alexander Ignatov, NESDIS. (Miller)</li> <li>• Started development of a program to identify footprints beyond a users specified range. (McKinley)</li> <li>• Prototyped code to create a higher density GRing as requested by the DAAC. (Miller)</li> <li>• Started discussions with Ms. Erika Geier about sampling every other imager pixels. She requested a test of two hours. (Miller)</li> <li>• Discussed cookiedough requirement with Mr. Joe McNerny to match with TRMM microwave imagery. (Miller)</li> <li>• Continued code inspection. Found no errors, but more liberally using SAVE parameter. (Miller)</li> </ul>	

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4.5	Nolan	<ul style="list-style-type: none"> <li>• Prepared and tested the DAAC Delivery Package for Subsystem 4.5-6 and delivered it to CERES Configuration Management on April 23, 1999. (Nolan and Franklin)</li> <li>• Continued work on a new version of the SSF subsetting software which packs the subsetting data into 2-byte integers using scale factors and offsets. (Nolan)</li> <li>• Provided Nitchie Manolo-Smith with a script for obtaining a month's worth of SSF from the DAAC archive. (Nolan)</li> <li>• Attended Intermediate IDL training on May 6-9. (Nolan)</li> <li>• Continued work on Inversion QC listings. (Nolan)</li> <li>• Initiated work to create a stand-alone version of qcheader.f90 for use on the web. (Franklin)</li> </ul>	
4.6	Nolan	Combined with above.	
5.0	Coleman	<ul style="list-style-type: none"> <li>• Processed Jan 10 and 26, 1998 at the SCF through SS5.0 for Fred Rose's presentation to the SARB WG at the ST meeting. (Coleman)</li> <li>• Delivered SS5.0 Test Plan to Von for review. Received her comments. (Coleman)</li> <li>• Began consolidating lists of validation sites for Clouds, TISA, and SARB. (Coleman)</li> <li>• Assisted Dave Rutan with makefile to compile subset of SARB software. (Kizer)</li> <li>• Bundled up software developed so far for plotting QC reports statistics from the web. (Kvaternik)</li> <li>• Transferred Kvaternik's software to Ed Kizer. (Kvaternik, Kizer, Caldwell)</li> <li>• Began looking at Fred's software for plotting QC report statistics. (Caldwell)</li> <li>• Determined where and how to write a header record on the hourly surface albedo update files to eliminate zero-length file. (Caldwell)</li> </ul>	
7.2	Coleman	Combined with above.	

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12.0	Coleman	<ul style="list-style-type: none"> <li>Retrieved DAS 1-deg HDF data from DAS web site and implemented code to read the input data. (Kizer)</li> <li>Updating graphics software to verify DAS software implementation. (Kizer)</li> <li>To expedite generation of Clouds data for the Science Team meeting, generated MOA files for May and June 1998 at the SCF for Sunny Sun-Mack prior to generating them at the DAAC. (Kizer)</li> <li>Generated monthly MOA averages for Fred for Jan-Mar for Regrid MOA Subsystem validation. (Kizer)</li> <li>Attended SARB WG meeting at Science Team meeting. (Kizer, Coleman)</li> </ul>	
7.1	Nguyen/Raju	<ul style="list-style-type: none"> <li>No new updates</li> </ul>	
8.0	Raju/Nguyen	<ul style="list-style-type: none"> <li>No new updates</li> </ul>	
10.0	Nguyen/Raju	<ul style="list-style-type: none"> <li>Validating surface fluxes. (Nguyen)</li> <li>Provided input for CERES science meeting. (Nguyen, Raju)</li> <li>Looking into cloud parameters averaging routines. (Raju)</li> </ul>	
6.0	McKoy	<ul style="list-style-type: none"> <li>Completed running the January 1998 FSW data at the SFC and provided the data to Susan Snell. Validating the January 1998 FSW data. (McKoy)</li> <li>Validating the imager data provided on the FSW product. (McKoy)</li> <li>Completed the modifications to the Subsystems 6.0 and 9.0 Operator's Manual and Test Plan. These documents have been delivered to documentation. (McKoy)</li> </ul>	
9.0	McKoy	Combined with above.	

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11.0	Stassi/ Fan	<ul style="list-style-type: none"> <li>Added all required checking to the automated script that runs the GGEO test suites. The script runs all the tests and afterwards evaluates whether or not the overall test was successful. Added the automated test procedures back to the Test Plan Document. (Stassi)</li> <li>Wrote script to update the out_exp/ directory with results from previous test run. (Stassi)</li> <li>Getting an “Out of memory” problem for the GGEO post-processor with the NAG Fortran 95 compiler. Traced problem to a Fortran OPEN statement, which presumably doesn’t require a great deal of memory. Sent problem to NAG help desk. (Stassi)</li> </ul>	
CERESlib	Stassi/ Fan	<ul style="list-style-type: none"> <li>Modified the ReadHeader subroutine to use allocatable array instead of hard-coded array size, which was being used because of a problem with the old sgi compiler. (Fan)</li> <li>Modified the metadata wrapper for writing out non-duplicate G-Ring points, after being notified by the Toolkit people that there shouldn’t be any. (Fan)</li> <li>Modified the WriteHeader Subroutine to remove attributes QAGranuleFileName and ValidationFileName from metadata. The attributes that follow these are moved forward. (Fan)</li> <li>Modified the ReadHeader subroutine to read metadata in both the old and new order. (Fan)</li> <li>A file is logged into input/output file list once the subroutine OpenFile() is called. Subroutines DeleteInputFile and DeleteOutputFile are added to the I/O wrapper for user to remove any file that is opened but not used as an input file. (Fan)</li> <li>Standardizing the Fortran versions on the SCFs. (Flippo, Stassi)</li> <li>Updated CERESlib on thunder following the thunder OS upgrade. (Stassi)</li> </ul>	

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CM	Ayers	<ul style="list-style-type: none"><li>Tested the following CERES subsystems and released them to the Langley DAAC: Instrument (Subsystem 1.0) and ERBE-like (Subsystems 2.0 and 3.0). Delivered the SRBAVG (Subsystem 10.0) Sample Read Software Package to the DAAC. Initiated SSIT testing of Inversion (Subsystems 4.5 and 4.6), but will wait until Samantha has been upgraded before continuing. (Franklin)</li></ul>	
IST	Flug	<ul style="list-style-type: none"><li>Corrected a problem in the EOS snap file generator program. Successfully tested the EOS snap file program using sample time-ordered downlink reports sent from Goddard. Added code to the TRMM IST Web application for viewing and plotting the EOS snap files. The code has been tested on the development Web server and will be moved to earth-www (lposun) later this week.</li></ul>	