

Table 1: February 17, 1999 - Subsystem Status.

SS No.	SS Lead	Status	Problems
1.0	Escuadra /Cooper	<ul style="list-style-type: none">• Continue to work on Automated Coastline Detection algorithm. Working to find out why results are different from the Manual method. Looking for differences in inflection points, heading angles, etc. (Cooper, Rodier)• Completed integration of all the changes to SpaceClamp, Second Time Constant and new Internal Calibration sequence. This should be the version of code for the next DAAC delivery. (Rodier)• Continue work on architectural design of the new QA system. Begin working on code for reading, displaying and getting data from an SDS from a BDS file. (Anselmo, Cooper, Escuadra)• Continue working on the design of the updated HDF routines for the new QA system. (Escuadra)• Validating the updates made to the Instrument subsystem for the SpaceClamp, Second Time Constant and new Internal Calibration sequence. (Cooper, Rodier, Spence)• Working with Task 37 for further analysis of the Second Time Constant coefficients. (Spence)• Working with Von Seaman to complete the Operator's Manual. (Cooper)• Continue analysis of the TRMM/SCARAB overlap data to determine if the DAC +15V converter has degraded and determine how much more time is left before the converter fails. (Hess)• Continue operational support for TRMM and EOS-AM1. (Weaver)	

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2.0	Chang	<ul style="list-style-type: none"> • Rewrote ES-8 binary to HDF conversion program. Now it takes less than 3 minutes to create an ES-8 HDF-EOS. (Chang) • Created a new 50-records ES-8 HDF-EOS for example read programs. (Chang) • Creating a 50-records ES-9 HDF for example read programs. (Chang) • Thinking about redesigning ERBE-like HDF files. (Chang) • Wrote code to add the expected output filenames to the PCF-like file for the GIF/Web files. (Liu, Flug) • Continue review of the Subsystem 2.0 Operator's Manual. (Robbins, Chang, Snell) 	
3.0	Chang	<ul style="list-style-type: none"> • Combined with above. 	
4.1	Murray	<ul style="list-style-type: none"> • Determined the nature of the a bug in the Action Item utility. Working on a fix. Assisted team members with web pages. (R. Brown) • Worked to generate and integrate new VIRS directional models into the Cloud productions code. Models covered included 0.6 um, 1.6 um, and 1.6 um / 0.6 um ratio and 0.6 um and 1.6, and 1.6 um / 0.6 um ratio relative standard deviations. (Sun-Mack) • Worked to generate statistics for 1.6 um / 0.6 um ratio binned by IGBP, solar zenith angle, particle, phase, and 4 optical depth layers. (Sun-Mack, Murray) • Fixed a problem with the Cloud Binned QC reports that was causing only half of the scanline to be included in the report. (Murray) • Included the multi-layer algorithm results in the Cloud QC reports. (Murray) • Tested the Cloud Code on lightning using the new compiler and OS. Implemented and tested the compiler problem work-around. Stress tested the code by attempting to run a month. Identified and fixed a problem that caused the VINT algorithm to fail under the new compiler. (Murray) 	
4.2	Murray	<ul style="list-style-type: none"> • Combined with above. 	

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4.3	Murray	<ul style="list-style-type: none">• Combined with above.	
4.4	Miller	<ul style="list-style-type: none">• Modified low-fat cookie dough to start on word boundaries. This is a fall out of the new FORTRAN 7.2.1 compiler. (Miller)• Reprocessed all hours for January 12, 1998 to convert the low-fat cookie dough to the new format. (Miller)• Corrected errors in aerosol type and cloud layer flag within convolution. (Miller)• Reviewed remainder of SSF Collection Guide, still need to add cloud information. (Miller)• Reprocessing VIRS completed through July 11, 1998 at TSDIS. (Miller)• Finalized output format for program to provide quality control of an SSF granule at the SCF. (Dunton, Miller)• Continued validation of the TRMM SSF using DX. (Miller)• Started updates to latest Operations Manual format. (McKinley)	
4.5	Nolan	<ul style="list-style-type: none">• Initiated work to prepare the next Subsystem 4.5-6 DAAC delivery package. It is scheduled to be delivered to CERES CM on February 22, 1999. (Nolan and Franklin)• Created 24 binary SSFs (ID 113) for January 12, 1998 using the latest input from clouds. (Nolan)• Completed review of draft SSF User's Guide. (Nolan)• Added code to Subsystem 4.5-6 to evaluate microwave precipitable water on MOA, without using the MOA flag. An SSF, created using this additional code, was compared to an SSF using a MOA file with corrected microwave precipitable water flags and there were no differences between the two SSFs. (Nolan)• Modified the CERES Inversion Test Plan for next delivery to CM. (Franklin)• Continued to work on the module that reads the SSF HDF file into a structure that can be printed by the ssfread program. (Franklin)	

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4.6	Nolan	<ul style="list-style-type: none"> Combined with above. 	
5.0	Coleman	<ul style="list-style-type: none"> Continued working with Fred Rose and Tom Charlock on proposing and implementing a new structure for the CRS that includes the window flux data. We have a "probably final" structure, but will need to wait until after the Science Team meeting to declare it final. (Coleman) Continued development of automatic QC report plotting. (Kvaternik) 	
7.2	Coleman	<ul style="list-style-type: none"> Combined with above. 	
12.0	Coleman	<ul style="list-style-type: none"> Delivered Regrid MOA Subsystem, complete with updated Test Plan, to CM. This version contains corrections to the column averaged relative humidity used by TISA and the precipitable water flags used by Inversion/Surface Estimation. There is no ECMWF capability with this delivery. (Kizer) Developing plotting software to aid in the validation of the regridding of MOA aerosol optical depth, ozone, and SSM/I data to the CERES nested grid, as MOA files that use ECMWF data will use the CERES nested grid. (NOTE: This does not affect the SSM/I data retrieved by SS4.5-6.) (Kizer) 	
7.1	Nguyen/ Raju	<ul style="list-style-type: none"> Combined with below. 	
8.0	Raju/ Nguyen	<ul style="list-style-type: none"> Checking and updating the prologues for the modules. (Raju) 	
10.0	Nguyen/ Raju	<ul style="list-style-type: none"> Checking the Geostationary Data Narrowband to Broadband conversion routines and outputting the values for validation purposes. (Nguyen, Raju) Continue validating SS10 TOA SW flux interpolation routines using January data. (Nguyen, Raju) Continue modifying TISA Averaging Operator's Manual. (Raju, Nguyen). 	

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6.0	McKoy	<ul style="list-style-type: none"> Continued to update the TISA Gridding test plan. (McKoy) 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) 	
9.0	McKoy	<ul style="list-style-type: none"> Combined with above. 	
11.0	Stassi/ Fan	<ul style="list-style-type: none"> Submitted four modified ggeo modules which have the newest goes-8 filter algorithm and qc reports to be included into the ggeo. (Fan) Added a variable to the GGEO header to be able to get the data year/month. Was previously getting this information from start date, but with the addition of overlap data, the start date is sometimes from previous month. (Stassi) Reran January 1998 with the latest modifications. (Stassi) Made corrections to web plotting scripts. (Liu, Stassi) 	
CERESlib Stassi/ Fan		<ul style="list-style-type: none"> Ran the new version on January - October 1998. Statistics were collected for the report of streak study. (Fan) Loaded F90, Toolkit, and CERESlib onto the new Sun server machines: saisun02, saisun05, saisun17. (Keeton, Flippo, Stassi) Updated validation versions of CERESlib and delivered latest version to CM. (Fan, Stassi) 	
CM	Ayers	<ul style="list-style-type: none"> Developed the CERES Subsystem Delivery Schedule in support of the April 1999 Science Team Meeting. (Ayers) 	
IST	Flug	<ul style="list-style-type: none"> Corrected a problem in the code that displays the CERES instrument operations information. 	