Table 1: January 20, 1999 - Subsystem Status.

SS No.	SS Lead	Status	Problems
1.0	Escuadra /Cooper	• Continue to work on Automated Coastline Detection algorithm. Meeting with Chris Currey to develop a presentation for the IWG. (Rodier) • Continue work testing and integrating updates to the Instrument Subsystem. (Rodier) • Working to clean-up QC Reports and split the reports by APID to give a better idea of the quality for the individual BDSs. (Cooper) • Working on architectural design of the new QA system. (Anselmo) • Continue working on the updates to the HDF routines for IES. (Escuadra) • Continuing work on SpaceClamp Analysis. (Anselmo, Cooper, Rodier, Spence) • Providing support for TRMM operations during the January operations for SCARAB intercomparison. (Hess, Weaver) • Continue operational support for TRMM and EOS-AM1. (Weaver)	
2.0	Chang	• Completed F90 read code for HDF files. (Chang) • Wrote a program to read and write a one-record data listing example for ES-8 Collection Guide. (Chang) • Completed testing ERBE-like programs on blizzard. (Chang, Kizer, Flug, Liu) • Wrote code to read an ES-8 and display fluxes by orbit. Currently trying to get the code to work on the Web. (Flug) • Worked on ES-8 Collection Guide and provided the first draft of it to Richard to review. (Robbins, Chang, Ayers) • Finalizing the Subsystem 2.0 Operator's Manual. (Robbins, Chang, Snell)	
3.0	Chang	• Combined with above.	

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SS No.	SS Lead	Status	Problems
4.1	Murray	• Working on fixing the problem with the Clouds AI Web program. (R. Brown) • Completed a version of the zooming program that works through the web. Learning Javascript to try to eliminate a caching problem with the browser. (R. Brown) • Processed January 5, 1998 with both DAO and ECMWF derived MOA data. Compared the Clear Sky and the Cloud Mask results from both runs. Pat Minnis is please with the ECMWF results. (Sun-Mack) • Developed and provided our ECMWF unpack package to the DAAC. (Sun-Mack) • Pat Minnis wants to present the results from solar zenith angle dependent albedo ratio of 1.6 um / 0.6 um at 10th AMS conference, in Madison, Wisconsin. Worked with him on the abstract. (Sun-Mack) • Worked with Pat Heck to integrate and test the new Phase determination algorithm into the production code. (Sun-Mack). Used this new code to produce results for January 1998. (Murray). Produced hard copy plots and charts for Pat Minnis' and Pat Hecks' use at the ALPS99 conference. (Sun-Mack, Murray) • Implemented a modification to the code on blizzard to test the feasibility of working around the compiler problem. Successfully implemented a change that writes out the QC structure in an order that can be correctly deciphered after being written to a file. (Murray)	
4.2	Murray	• Combined with above.	
4.3	Murray	• Combined with above.	

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SS No.	SS Lead	Status	Problems
4.4	Miller	• Updated the lowfat cookie cutter to be consistent with the current convolution. One issue identified in testing still needs to be resolved. (Miller) • Investigated VIRS gain and offset values for February 20, 1998 for Mr. Alexander Ignatov, NOAA/NESDIS, to help him understand the data we provided. (Miller) • Reprocessing VIRS completed at TSDIS through May 9, 1998. (Miller) • Continued development on program to provide quality control of an SSF granule at the SCF. (Dunton, Miller) • Continued validation of the TRMM SSF using DX. (Miller)	

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SS No.	SS Lead	Status	Problems
4.5	Nolan	• Archived the original February, March and April 1998 SSF subsetted files. Could only generate SSF subsetted files for the first 6 days of March because of a lack of disk space. (Nolan) • Attended meeting with Walt and Erika to discuss the SSF binary QC files. (Nolan) • Created a program to rewrite a binary SSF and change the window channel radiances to correspond to a 3.7 window channel width. Recompiled the latest version of CER4.5-6.1P1 with the earlier version of ssf_typdef which matched the SSF ID 112 on the cloud input. Created a new 01-01-1998 hour 16 binary SSF for SARB, using this new software. (Nolan) • Created a binary SSF with SSF ID 113 for SARB testing. (Nolan) • Attended ISO 9000 Software Engineering Training. (Nolan) • Generated a clear-sky albedo table for February and March 1998, using the current set of SSFs that are archived at the DAAC. Generated global clear-sky albedo plots using software provided by Mr. Kizer. (Nolan) • Continued to work on the module that reads the SSF HDF file into a structure that can be printed by the ssfread program. (Franklin) • Completed work to modify the CERES Inversion Test Plan to match the latest template. (Franklin and Nolan) • Created and tested a script that compares the HDF file written by CER4.5-6.2P1 during SSIT with an HDF file that is provided as part of the Inversion delivery. (Franklin)	
4.6	Nolan	• Combined with above.	

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SS No.	SS Lead	Status	Problems
5.0	Coleman	• Tested Instantaneous SARB Subsystem with same input data set on both blizzard and thunder, and results compared favorably. (Coleman) • Completed implementation of radiative transfer model and constrainment algorithm that use the window channel. There is more to come, but Fred Rose is happy with the implementation of the changes he has provided thus far. (Coleman) • Ran additional test cases of window version of code for Fred and Tom Charlock that involved various experimental adjustments to the sigma table files. (Coleman) • Working with Fred to determine which new window channel data will be included in the CRS. (Coleman) • Working on web application to generate plots of data from multiple QC-reports. (Kvaternik)	
7.2	Coleman	• Combined with above.	
12.0	Coleman	• Continuing to prepare preprocessor to read ECMWF data in GRIB format. (Kizer) • Modified PCF generator scripts to include ECMWF data files. (Kizer) • Preparing RegridMOA software to ingest preprocessed ECMWF data. (Kizer) • Attended a four-day Intermediate IDL Training class in McLean. (Kizer) • Reviewing Regrid MOA Test Plan in latest template. (Coleman)	
7.1	Nguyen	• Combined with below.	
8.0	Nguyen	• Combined with below.	

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SS No.	SS Lead	Status	Problems
10.0	Nguyen	• Validating SS10 TOA LW flux interpolation routines using January data. Made plots for two validation regions and sent them to scientists. (Nguyen, Raju) • Working on modifying SS10 codes to change PMOA GMT time to local time. (Nguyen, Raju) • Familiarize with test plan and delivery procedures. (Nguyen) • Waiting for new sfcs which will be generated by TISA gridding on Blizzard to test SS10 PGE on Blizzard. The current sfcs which are on Thunder reads ok there, but having problems when try to read on Blizzard. Found record length differences. Running PGE SS8 on both Blizzard and Thunder to compare and see if the record lengths differ. (Raju)	
6.0	McKoy	• Had second review of Operator's Manual with the SEC. (McKoy) • Corrected the algorithm to calculate the average surface type percentage for the hourbox. The zero percent values were not to be accounted for when calculating the averages. (McKoy) • Preparing for TISA Gridding delivery by February 8. • Working on new strategy for executing a month of SS6 & 9 at the SCF. (McKoy) • Validating TISA Gridding Jan. 1998 output. (McKoy, Costulis, Young)	
9.0	McKoy	• Combined with above.	

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SS No.	SS Lead	Status	Problems
11.0	Stassi/ Fan	• Continued to implement the GOES-8 filter algorithm into GGEO processor. The qc report was extended to include: 1) hourly, daily, and monthly flag statistics, 2) number of images available for Visible and Infrared channels, 3) list of hours with more than one input images, and 4) list of hours being dropped due to bad data. (Fan) • Corrected the dayhour_index value in the qa_gran module to correctly calculate the dayhour index for day zero (the overlap day from the previous month). (Stassi) • Removed the Software Version and EOSDIS ID from the scripts that produce the GGEO PCFs. (Stassi) • Added an echo2 script to the GGEO bin directory to allow the GGEO scripts to distinguish between echoing standard output and standard error. This is necessary because standard output from many of the scripts is captured in variables, but standard error never should be. (Stassi)	
CERESlib Stassi/ Fan		• Modified qcheader subroutine to include two new fields: Production Strategy and Configuration Control code, and to remove Software version and EOSDIS ID fields. (Fan) • Toolkit5.2.4 with bug fixes and no new function is released. Test will be conducted once it is installed. (Fan) • SGI responded to the error report sent in by Tim Murray. The bug is still in the last release of the compiler but not is the next scheduled release. (Stassi) • Loaded NAG F95, release 1, compiler onto blizzard. This is the Iris 5 version, and we should be using the Iris 6 version. Nevertheless, what we have works for our purposes. (Flippo, Owens, Stassi)	
CM	Ayers	• No new updates.	
IST	Flug	• No new updates.	