

Table 1: February 3, 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. Met with Chris Currey to see the manual system and get information to help with the comparison of new results with the manual version of the system. (Cooper, Rodier)• Continue work testing and integrating updates to the Instrument Subsystem. (Rodier)• Working on analysis of the TRMM SCARAB overlap data to characterize the degradation of the power converter. (Hess, Rodier, Spence)• Continue work on architectural design of the new QA system. (Anselmo)• Working on the design of the updated HDF routines for the new QA system. (Escuadra)• Updating the Second Time Constant and SpaceClamp algorithms to avoid reset of the Second Time Constant after failure of Edit Limit checks and DAC updates. (Anselmo, Cooper, Escuadra)• Continuing work on SpaceClamp/Second Time Constant Analysis. (Anselmo, Cooper, Rodier, Spence)• Continue operational support for TRMM and EOS-AM1. (Weaver) | |
| 2.0 | Chang | <ul style="list-style-type: none">• Completed the Web interface to the code that displays fluxes by orbit. (Flug)• Modified the code that generates and updates the ERBE-like monthly (consolidated) ES-8 QC reports to handle parallel runs of ERBE-like Subsystem 2. (Flug)• Finished the ES-4 and ES-8 plotting packages testing on blizzard. (Liu)• Helped to edit ES-8 plotting software documentation in SS2 Operator's Manual. (Liu)• Fixed the bug in ES8 plotting applications which caused the core dump while generating ES8_19990122_52.ppm. (Liu)• Finalizing the Subsystem 2.0 Operator's Manual. (Robbins, Chang, Snell) | |

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| 3.0 | Chang | <ul style="list-style-type: none">• Combined with above. | |
| 4.1 | Murray | <ul style="list-style-type: none">• Added range checking to web-based zoom program. Tested the program with a larger set of available maps adding albedo and emissivity maps. (R. Brown)• Continued to support various team web activities. (R. Brown)• With the completion of the MODIS reader, began work on the module that will interface with the Cloud Framework. Determining which parameters are needed and the source of the information. (Sun-Mack)• Found an error in our ECMWF unpack routines for the skin temperature. Corrected the error and re-ran the test data for Pat Minnis. (Sun-Mack)• Re-ran all January data for the ARM site in Oklahoma with the new Phase Determination algorithm. Staged all the February data over the ARM site and processed these data and averaged over 30x30 and 100x100 km grids. (Sun-Mack)• Processed the entire month of January 1998 with the Phase Determination algorithm to save as a baseline. (Murray)• Began work on a new version of the CloudVis product that will contain higher numeric resolution data and be designed to work with IBM Data Explorer. (Murray) | |
| 4.2 | Murray | <ul style="list-style-type: none">• Combined with above. | |
| 4.3 | Murray | <ul style="list-style-type: none">• Combined with above. | |

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| 4.4 | Miller | <ul style="list-style-type: none">• Completed testing of the lowfat cookie cutter to be consistent with the current convolution. Wrote instructions on how to execute. (Miller)• Modified Convolution to process to IES sequentially in preparation of EOS-AM1. Successfully tested in one and two (with known limitations) file modes. Still exploring metadata issues. (Miller)• Reviewed first third of SSF Collection Guide. (Miller)• Reprocessing VIRS completed at TSDIS through June 4, 1998. (Miller)• Continued development on program to provide quality control of an SSF granule at the SCF. (Dunton, Miller)• Quality controlled January 26, 1998 intermediate SSFs for SARB. (Miller)• Continued validation of the TRMM SSF using DX. (Miller) | |
| 4.5 | Nolan | <ul style="list-style-type: none">• Created 24 binary SSFs (ID 113) for January 26, 1998 using the latest input from clouds. (Nolan)• Continued testing clear-sky albedo table software. (Nolan)• Initiated review of draft SSF User's Guide. (Nolan)• Tested the latest version of ssf_typdef with PGEs in subsystem 4.5-6. (Nolan and Franklin)• Completed work to modify the CERES Inversion Operator's Manual to match the latest template. (Nolan and Franklin)• Executed, on lightning and samantha, the script that compares two HDF files to get timing results. The script completed in about 12 minutes. (Franklin)• Modified the ssf2hdf code and documentation to remove obsolete code. (Franklin)• Ran two jobs simultaneously that used the same temporary files to verify the metadata on the HDF file matched the metadata on the .met file. (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) | |
| 4.6 | Nolan | <ul style="list-style-type: none">• Combined with above. | |

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| 5.0 | Coleman | <ul style="list-style-type: none"> Processed 24 hours of Jan 26, 1998 data at the SCF for Fred Rose, using the SSFs (version ID 113) just produced with the re-calibrated VIRS radiances. Fred reports that results are good. (Coleman) Provided software for reading the binary CRS to Yong Hu. He is studying the time variation of radiative heating (CRS), and evaporation and condensation (other TRMM instruments). (Coleman) Identified error in Sbr. CRS_Open_Term of Module CRS_IO. Corrected code in testing. Note that while this routine is in CERESlib, probably only Subsystem 5.0 uses it (else there would have been complaints). (Coleman) Provided list of proposed additions to CRS product, resulting from addition of window channel flux profile calculations, to Fred for review. (Coleman) | |
| 7.2 | Coleman | <ul style="list-style-type: none"> Combined with above. | |
| 12.0 | Coleman | <ul style="list-style-type: none"> Testing conversion of the ECMWF-supplied libraries to de-GRIB the ECMWF data from F77 to F90. Consulting with Fred Rose on the results. (Kizer) Continued working on Subsystem 12.0 software to ingest the ECMWF data de-GRIB'd in above-mentioned pre-processor. (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"> Successfully completed testing subsystem on Blizzard. (Raju) | |
| 8.0 | Raju/Nguyen | <ul style="list-style-type: none"> Successfully completed testing subsystem on Blizzard. (Raju) | |

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| 10.0 | Nguyen/ Raju | <ul style="list-style-type: none">• Successfully completed testing subsystem on Blizzard. (Nguyen).• Validated SS10 TOA LW flux interpolation routines using January data. Made plots for two validation regions and sent them to scientists. (Nguyen, Raju)• Started validating SS10 TOA SW flux interpolation routines using January data. (Nguyen, Raju)• Started modifying TISA Averaging Operator's Manual. (Raju, Nguyen).• Completed modifying SS10 codes to change PMOA GMT time to local time. (Nguyen, Raju) | |
| 6.0 | McKoy | <ul style="list-style-type: none">• Continued to update the TISA Gridding test plan. (McKoy)• Tested the TISA Gridding software using the SGI 7.2.1 F90 compiler on blizzard. The TISA Gridding software tested successfully with minimal differences in the third and fourth decimal place. There were also padding differences in the record length. (McKoy)• The TISA Gridding team has decided to postpone the delivery of the TISA software until the Clouds subsystem has delivered. (McKoy, Mitchum)• The imager radiances on the FSW product were always CERES default values. It was determined that the algorithm was not assigning the values correctly. The algorithm has been corrected to output the correct values.• Validation of the January 1998 SFC and FSW product will continue at the SCF. (McKoy, Young, Costulis) | |
| 9.0 | McKoy | <ul style="list-style-type: none">• Combined with above. | |

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| 11.0 | Stassi/ Fan | <ul style="list-style-type: none">• Modified the GOES-8 data filter algorithm so that instead of a duplicate image file always replacing the first, the duplicate will only replaces the first file if the first is bad. (Fan)• Modified the off-line average program which produces monthly/hourly average for each GOES-8 scanline. This program now recognizes and ignores all scanlines from images that are dropped because of overall messy data. (Fan)• Completed modifications to the GGEO Operator's Manual following the final review with the System's Engineering Committee. (Stassi)• Wrote an off-line program to examine a GGEO output file and quickly report how many hours of data are available on the file for a particular region of the globe. (Stassi)• Incorporated Alice's changes (GOES-8 data filtering algorithm) and Georgia's changes (web plotting of overlap hours) into the GGEO CVS repository. (Stassi) | |
| CERESlib Stassi/ Fan | | <ul style="list-style-type: none">• Tested two jobs running simultaneously with the same file name for the two required PCF entries (10252 GetAttr.temp and 10254 MCFWrite.temp). No ambiguity was observed in either the binary or HDF metadata creation. (Fan, Franklin) | |
| CM | Ayers | <ul style="list-style-type: none">• No new updates. | |
| IST | Flug | <ul style="list-style-type: none">• No new updates. | |