

Table 1: January 6, 1999 - Subsystem Status.

| SS No. | SS Lead | Status | Problems |
|--------|------------------|---|----------|
| 1.0 | Escuadra /Cooper | <ul style="list-style-type: none">• Continue work to on Automated Coastline Detection algorithm. Gathering statistics and playing with parameters to better characterize a good scene. (Rodier)• Continue work testing and integrating updates to the Instrument Subsystem. (Rodier)• Verifying the updated version of the Spaceclamp algorithm and effects on the radiance values when changes are made to the Second Time Constant coefficients. (Spence)• Working with Mr. Spence providing data for the Spaceclamp algorithm analysis. Making updates to the spaceclamp algorithm as needed. (Anselmo, Cooper, Rodier)• Began architectural design of an Ada HDF reader/writer to be used in data analysis and creation of HDF files for instrument offset files. (Anselmo, Cooper, Escuadra)• Providing data to Task 37 for analysis of gain. (Escuadra)• Added radiance statistics plotting capability to the Instrument Web Page. (Filer)• Continuing Tiger Team activities. (Hess, Weaver)• Continue operational support for TRMM and EOS-AM1. (Weaver) | |

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| 2.0 | Chang | <ul style="list-style-type: none">• Processed 10/16, 10/17/, and 10/18 preES-8 files from Subsystem 1 through Subsystem 2 for Martial. (Chang)• Continued work on F90 routines to read SDS and Vdata from an HDF or HDF-EOS file. (Chang)• Identified the cause of missing Inversion QC reports at our Web site. (Chang)• Delivered code to regenerate all of the Scene ID GIF images. The GIF files were regenerated using new code that eliminated the incorrect unknown areas that appeared in the original images. (Flug)• Experimenting with the "daacget" command to see if it could be a viable alternative to having a mount between the SAIC Web server and the archive at the DAAC. (Flug)• Moved and modified web applications from old web server to new web server and web develop machine for ES-8, ES-4, and TRMM Validation Days for both production web site and testing web site. (Liu)• Finalizing the Subsystem 2.0 Operator's Manual. (Robbins, Chang, Snell) | |
| 3.0 | Chang | Combined with above. | |

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| 4.1 | Murray | <ul style="list-style-type: none">Continued to work on the development of the web zooming tool. Currently, working on the interface of a perl script with html to process a zoomed image on the web. (R. Brown)Finished writing the modules to read in all of the MODIS geolocation and radiance/reflectance data for both resolutions. (Sun-Mack)Ran the month of January 1998 several times with the version 4 VIRS data to produce several sets of QC data. (Murray) From the QC data set for the month, calculated the albedo ratio for the 1.6 um and 0.6 um data, calculated a solar zenith angle dependent albedo for both visible channels, a monthly average of the CRH 0.6 um reflectance - the observed 0.6 um reflectance, and several monthly 3.75 um and 10.95 um temperature differences. (Sun-Mack)Worked on an off-line version of the Cloud Code to read and utilize the ECMWF data to facilitate impact studies. Began acquisition of Data for several days in January 1998. (Sun-Mack)Continued to work with Stowes group to study the VIRS data. (Sun-Mack)Tested the Cloud Code on blizzard with the new compiler and OS there. The code appeared to work fine and could produce usable data for 4.4, but the QC report for clouds couldn't be completely read due to the indeterminate order in which certain fields were written to the file. (Murray)Expanded the binned Clouds QC report to include data showing viewing zenith and relative azimuth dependencies. (Murray) | |
| 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">• Reviewed results on clear air aerosol optical depth provided by Mr. Alexander Ignatov, NOAA/ NESDIS, attempted to understand issues he raised. (Miller)• Tested SGI FORTRAN 7.2.1 compiler with IRIX 6.5 on blizzard. Convolution did not seem to have any problems. (Miller)• Reprocessing VIRS completed at TSDIS through April 11, 1998. (Miller)• Started program to provide quality control of an SSF granule at the SCF. (Dunton, Miller)• Continued validation of the TRMM SSF using DX. (Miller)• Continuing reviewing VINT software to develop SSF Collection Guide definitions for cloud properties. (Miller) | |

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| 4.5 | Nolan | <ul style="list-style-type: none">• Delivered 5 record HDF SSF sample file with 127 SDSs and related read software package to CERES CM. (Nolan and Franklin)• Updated the software which subsets SSFs to add additional parameters and incorporate a module which sorts the SSF footprints temporally. (Nolan)• Archived the original January 1998 SSF subsetted files and generated a new set of SSF subsetted files for the same month. (Nolan)• Generated a clear-sky albedo table for January 1998, using the current set of SSFs that are archived at the DAAC. Initiated work to compare the generated albedo table with the SARB default albedo table for January, using software provided by Mr. Kizer. (Nolan)• Tested the Inversion PGEs on Blizzard using the 7.2.1 SGI compiler. The current HDF code that creates 24 SDSs would not compile. The HDF code, to be delivered in January, that creates 127 SDSs, compiled and ran with no errors. (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)• Initiated work to modify the CERES Inversion Test Plan to match the latest template. (Franklin)• Completed testing and documentation of the ssf2hdf code that creates 127 SDSs on the SSF HDF file. (Franklin and Birch) | |
| 4.6 | Nolan | Combined with above. | |
| 5.0 | Coleman | <ul style="list-style-type: none">• Implementing constraint algorithm that corresponds to addition of Window channel data. (Coleman)• Reviewed the Instantaneous SARB Subsystem Operator's Manual with SEC. (Coleman) | |
| 7.2 | Coleman | Combined with above. | |

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| 12.0 | Coleman | <ul style="list-style-type: none"> Preparing a preprocessor to read ECMWF data in GRIB format. (Kizer) Reviewed the Regrid MOA Operator's Manual with SEC. (Kizer, Coleman) Additional preparations for a DAAC delivery of the Regrid MOA Subsystem with the capability to use the all backup data sets. The test plan also covers multiple cases so that the subsystem can be tested with any combination of both primary and secondary sources of external input data. (Kizer) Coordinated with John Olson to correct the MOA subsetting files produced for Anand Inamdar. Also subsetting MOA Skin Temperature data at the SCF for Anand Inamdar. (Kizer) | |
| 7.1 | Jimenez | Combined with below. | |
| 8.0 | Jimenez | Combined with below. | |
| 10.0 | Jimenez | <ul style="list-style-type: none"> Validating SS10 with January data. (Nguyen, Raju) Met with Lynn each day to discuss TISA Averaging issues. (Jimenez, Raju, Nguyen) Modifying SS10 codes to change PMOA GMT time to local time. (Nguyen, Raju) Familiarize with test plan and delivery procedures. (Nguyen) Compiled successfully TISA Averaging code on Blizzard using SGI 7.2 F90 compiler. (Raju) | |
| 6.0 | McKoy | <ul style="list-style-type: none"> No new updates. | |
| 9.0 | McKoy | Combined with above. | |

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| 11.0 | Stassi/ Fan | <ul style="list-style-type: none"> • Compiled a list of GOES-8 bad data and missing data hours for 199801-199810. The missing data hour list was sent to DAAC for verification. 126 hours are not available, 14 files are in the DAAC archive but can not be seen through daacget, and 14 files are under reorder. (Fan) • Started to incorporate the GOES-8 filter algorithm into GGEO main processor. Modifications include: 1) Include data date in statistics file name rather than reusing hard-coded name, 2) Add 2nd step checking to recover the good scanlines being misflagged due to data gap, 3) Dump statistics information after the step two checking rather than during the step one scanline processing, 4) Flag the entire image bad if more than 1/3 of scanlines are flagged bad by the filter algorithm, 5) Added flag result to QC report. (Fan) • Completed corrections to the GGEO code and scripts to include the overlap half days before and after the month. (Stassi) • Created new plot files containing overlap hours. Modifying the web plot routines to correctly display and label these hours. (Liu, Stassi) • Completed modifications to the GGEO Operator's Guide, including information about the automatic wrapper procedures for the Main processor and Postprocessor. (Stassi) • Successfully ran test of GGEO code with the SGI 7.2 compiler on blizzard. (Stassi) | |
| CERESlib Stassi/ Fan | | <ul style="list-style-type: none"> • Compiled CERESlib with the SGI 72 compiler in both 32- and 64-bit mode on blizzard. (Stassi) | |
| CM | Ayers | <ul style="list-style-type: none"> • Made a Delta Delivery of CERES Subsystem 2.0 (ERBE-like) and released it to the DAAC. (Ayers) | |
| IST | Flug | <ul style="list-style-type: none"> • No new updates. | |