**Table 1: June 9, 1999 - Subsystem Status.**

| SS No. | SS Lead | Status | Problems |
|---|---|---|---|
| 1.0 | Escuadra /Cooper | • Delivered new code to CM to support the MOSS-2 test, scheduled for mid-June, now set for early July. (Rodier)<br>• Attended the EOS-PM status meeting in GSFC. (Cooper, Hess, Spence, Rodier)<br>• Continue working on the File Management system. (Rodier)<br>• Working on creating Web compatible QC reports directly from the subsystem. (Rodier)<br>• Refining the Ground Track Plots for inclusion on the Instrument Web Page. (Filer)<br>• Working on the QC Report post-processor. (Escuadra)<br>• Worked on the IES subsetting program in F90. (Cooper)<br>• Working on the F90 IES write module for the IES subsetting. (Spence)<br>• Testing the code to add the check for Moon Scan in the SpaceClamp. (Anselmo)<br>• Continue operational support for TRMM and EOS-AM1. (Weaver) | |

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|---|---|---|---|
| 2.0 | Chang | • Attended the Fortran 90 class for three days (May 25 - May 27). (Halvorson, Hoffman)<br>• Wrote practice programs to read and write data using HDF. (Halvorson, Hoffman)<br>• Created several sets of new ES-4 HDF SDS names. (Halvorson, Hoffman)<br>• Wrote test programs to read and write some ES-4G data from ES-4G files using an existing ES-4G read code as a guide. (Halvorson, Hoffman)<br>• Read a lot of information on HDF and ERBE to become more familiar with the different commands that are available. (Halvorson, Hoffman)<br>• Attended the “delta between F90 and F95” class. (Chang)<br>• Combined ES-8 HDF-EOS processor into SS2 main processor. (Chang)<br>• Combined ES-4 and ES-9 HDF processors into SS3 main processor. (Chang)<br>• Continued to provide support to Jason and Heather. (Chang)<br>• Testing the ERBE-like programs and scripts on samantha for the new operating system, PGS Toolkit, and CERESlib. (Chang) | |
| 3.0 | Chang | Combined with above. | |

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| SS No. | SS Lead | Status | Problems |
|---|---|---|---|
| 4.1 | Murray | • Participated in the EOS PM Review meeting at Goddard Space Flight Center. (Sun Mack)<br>• Processed January 1998 VIRS data to produce means for a 0.5 degree grid to be used in TMI comparisons. (Sun-Mack)<br>• Wrote a read program for the 0.5 degree grid QC report created for TMI comparisons. (Sun-Mack)<br>• Assisted Mr. Ping Lin in understanding the cloud statistics on the 0.5 degree gridd. (Sun-Mack)<br>• Processed January 1998 VIRS data to create a 10-min grid for clear sky solar zenith angle dependence for both 0.63 and 1.6 micrometers by IGPB types. (Sun-Mack)<br>• Posted clear sky information on the web including solar zenith angle dependent overhead albedo, reflectance, mean albedo by IGPB types, and mean and standard deviation start-up maps. (Sun-Mack)<br>• Investigated 1.6 micrometer clear sky reflectance for Ms. Qing Trepte. (Sun-Mack)<br>• Assisted Ms. Sharon Gibson on validating her new DX program using CloudVis files. (Sun-Mack)<br>• Continued to learn how to run IDL through PERL in batch mode to create image maps. (Brown)<br>• Wrote code to use web input to generate specific data reports. (Brown)<br>• Validated cloud retrieval and convolution Test Plan. (Brown)<br>• Delivered cloud retrieval to CERES CM. (Miller) | |
| 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 | • Corrected error caused by longer GRings when writing CERES instrument and sampling strategy through Product Specific Attributes. (Miller)<br>• Delivered convolution to CERES CM. This included producing expected output once samantha returned and corrections to Test Plan. (Miller)<br>• Continued development of a program to identify footprints beyond a users specified range. (McKinley)<br>• Implemented minor changes to off-line QC report generating software. (Miller)<br>• Assisted Mr. Joe McInerney in running cloud retrieval to generate data to match with TMI. (Miller)<br>• Processed two hours through convolution using different versions of imagery sampling (every other pixel, every other scan line, and odd pixels on odd lines, even on even scan lines). (Miller)<br>• Developed program to obtain error statistics on above runs. (Miller) | |
| 4.5 | Nolan | • Tested the Inversion software using the latest updates to ssf_meta and meta_util and a new version of an interim SSF in preparation for a delta DAAC delivery. (Franklin)<br>• Provided support to summer intern, Erin Whitley. (Nolan and Franklin)<br>• Continued testing of SSF subsetting code. (Nolan)<br>• Created a new Spectral Correction Coefficient ancillary data file which contained modified A-coefficients for the thermal shortwave adjustment coefficients. (Nolan)<br>• Completed modifications to the thermal shortwave adjustment software. (Nolan)<br>• Continued work on web version of the daily QC report in “ERBE-like format. (Whitley and Nolan)<br>• Initiated work to produce monthly input file format for daily average web plots for SSF parameters. (Whitley and Nolan)<br>• Attended 3-day Fortran 90 class. (Franklin and Whitley)<br>• Attended half-day Fortran 95 class. (Nolan) | |

**Table 1: June 9, 1999 - Subsystem Status.**

| SS No. | SS Lead | Status | Problems |
|---|---|---|---|
| 4.6 | Nolan | Combined with above. | |
| 5.0 | Coleman | • Adding more information to the descriptions of the validation sites and redistributing this list to the Science Team, along with a plot of the globe flagging the sites. (Coleman, Kizer)<br>• Continuing to update the QC report code to include window channel statistics and other modifications indicated by Fred. (Coleman)<br>• Continued development of HTML QC statistics interface. Added multiple plot viewing and links to SARB QC parameter description document. (Caldwell)<br>• Began work on SARB QC parameter description document to provide a single source for non-technical explanations of SARB QC statistics. (Caldwell)<br>• Incorporated Science Team corrections received so far to CRS parameter definitions. (Coleman)<br>• Continuing to work to get SS5 Test Plan to the web. (Coleman)<br>• Incorporated DAAC comments into SS5 Operator's Manual. (Coleman) | |
| 7.2 | Coleman | Combined with above. | |
| 12.0 | Coleman | • Tested Regrid MOA software with sample DAS GEOS-III data obtained through the Langley DAAC. There was only default data and the HDF names were in the wrong case. (Kizer)<br>• Wrote program to retrieve ozone profile data from the MOA product for Tim Alberta in support of the ARM site data validation effort. (Kizer)<br>• Read ECMWF contract and discovered Ed Kizer is not on the list of DAAC-approved users. (Kizer) | |
| 7.1 | Nguyen/ Raju | • No new updates. | |
| 8.0 | Raju/ Nguyen | • Validating TOA flux averaging routines which are common to both SS8 and SS10. (Raju, Nguyen) | |

**Table 1: June 9, 1999 - Subsystem Status.**

| SS No. | SS Lead | Status | Problems |
|---|---|---|---|
| 10.0 | Nguyen/ Raju | • Validating surface fluxes. (Nguyen)<br>• Validating cloud column weightings. (Raju, Nguyen) | |
| 6.0 | McKoy | • Validating the FSW data for January 1998 that was created at the SCF. Correcting / modifying the TISA Gridding software for the main processor as problems are discovered. Currently validating the TOA Flux data. (McKoy)<br>• Began working with the TISA Averaging team to track down the problems in the column weighted cloud algorithms. Currently looking at the SW TOA and the LW TOA weighting. Scheduled meeting with Dave Young. (McKoy, Nguyen, Raju)<br>• Modified the type definitions of the SFC and the FSW product to eliminate padding placed in by the compiler. This allows for the type definition of SFC and FSW to be compatible between the SGI and the NAG compiler. (McKoy)<br>• Add the Column Averaged Relative Humidity read from the MOA product to the FSW product per the request of Dave Young. (McKoy) | |
| 9.0 | McKoy | Combined with above. | |
| 11.0 | Stassi/ Fan | • No changes. | |

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|---|---|---|---|
| CERESlib | Stassi/ Fan | • Delivered a new version of meta_util.f90. The changes are:<br>1) Read platform, instrument, and imager from PCF, if they exist. If all three attributes are provided, they are used to construct SamplingStrategy,<br>2) If all three attributes are not in the PCF, then the wrapper will extract the missing values from the SamplingStrategy value in the PCF,<br>3) If user inputs any of the above three attributes as PSA, they will overwrite the values from #1 and #2. (Fan)<br>• GRing points has been provided through the input Parameter "GRing" of WriteMeta() subroutine. Built in the prevention of providing GRing through PSA, this is to avoid unnecessary complexity. (Fan)<br>• Separated the meta_util.f90 into 4 modules: meta_util.f90, meta_param.f90, meta_write.f90, and meta_read.f90, for a better structure. (Fan)<br>• Updated the ceres_versions module so that the HDFEOS version number is extracted from the Toolkit README file rather than being hard-coded. This code had been previously written but would not compile correctly with the former version of the SGI Fortran compiler. (Stassi)<br>• The validation versions of CERESlib were updated with meta_util, ssf_meta, and ceres_versions. CERESlib was delivered to CM. (Stassi) | |
| CM | Ayers | • Received new CERESlib and Instrument Delivery Packages for testing and release to the Langley DAAC. (Ayers) | |
| IST | Flug | • No new updates. Ms. Flug is on maternity leave. | |