**Table 1: January 7, 1998 - Subsystem Status.**

| SS No. | SS Lead | Status | Problems |
|---|---|---|---|
| 1.0 | Escuadra /Cooper | • Verifying output product data for “jumbo” BDS. (Anselmo, Escuadra)<br>• Writing diagnostic utilities for packet/time correlation. (Cooper)<br>• Updated metadata routines for TK 5.2.1 compatibility. (Rodier)<br>• Working on generic output product read routines. (Spence, Lee)<br>• Monitored/reviewing data from instrument solar calibration maneuver. Reviewing operational plans for upcoming deep space calibration maneuver. (Hess, Weaver)<br>• Completed C routines for CERESLIB constants. (Filer) | |

**Table 1: January 7, 1998 - Subsystem Status.**

| SS No. | SS Lead | Status | Problems |
|---|---|---|---|
| 2.0 | Chang | • Added record counts of FAPS and RAPS data to the header records in preES-8 and ES-8 and modified inversion program to only process FAPS data when there is at least one FAPS data record in preES-8 file, only process RAPS data when there is at least one RAPS data record in preES-8 file, and produce ES-8 file during RAPS data processing if preES-8 does not have any FAPS data. No more unnecessary FAPS EID6 or RAPS EID6 files are created and no more unnecessary FAPS run just for producing ES-8 when there is no FAPS data. (Chang)<br>• Modified the tropical constants and the 3-channel comparison routines in the inversion program to also produce summaries for TRMM data processing. (Chang)<br>• Processed 12/18/97 TRMM preES-8 file on thunder and provided the result output files to Richard and Jim at /ftp/pub/chang on thunder. (Chang)<br>• Provided Fred Rose sample preES-8 and ES-8 files with read programs to support Tom Charkock making inferences intercomparing the channels for the varying temperature of the covers on TRMM from real TRMM preES-8 data. (Chang)<br>• Ran four 12/27/97 TRMM Quick Look data files through inversion on thunder without success. Found out that the cause of problem was from bad viewing zenith and relative azimuth values in the Quick Look files. (Chang)<br>• Wrote a preES-8 dump program and produced output files to show where the errors are in the preES-8 Quick Look files. (Chang)<br>• Copied 12/27, 12/28 TRMM preES-8 files from samantha to thunder, ran them through SS2, and produced output files successfully. (Chang)<br>• Modified stand alone ES-8 plot program and generated 12/28/97 TRMM ES-8 plots for CERES public web page. (Liu)<br>• Generated graphics software to plot the Snow, Albedo and Longwave Threshold data in the SS2.1P1 output files. (Kizer)<br>• Regenerated a permanent snow map to be used as ancillary input for SS2.1P1. (Kizer) | |

**Table 1: January 21, 1998 - Subsystem Status.**

| SS No. | SS Lead | Status | Problems |
|---|---|---|---|
| 1.0 | Escuadra /Cooper | • Completed updates to SS1 for problems found after initial analysis of TRMM Earth-viewing data. Delivered Release 2.3 to CM. (Anselmo, Cooper, Escuadra, Hess, Rodier)<br>• Completed generic HDF output product read routines, doing clean-up and documentation for these routines. (Lee, Spence)<br>• Completed initial version of HDF Compare program, adding additional code for comparison of BDS files. (Lee, Spence)<br>• Analyzing TRMM data from DAAC and from tests of Release 2.3 code. (Anselmo, Hess, Lee, Spence, Weaver)<br>• Analyzed Radiance DAC update data to determine the number of samples to average on each side of the update for SpaceClamp calculations. (Spence)<br>• Running SS1 Release 2.3 code on all TRMM Covers Open data at the SCF for use by analyst and downstream subsystems, until code is installed for operations at DAAC. (Snyder)<br>• Continue monitoring TRMM operations. (Hess, Weaver) | |

**Table 1: January 7, 1998 - Subsystem Status.**

| SS No. | SS Lead | Status | Problems |
|---|---|---|---|
| 4.2 | Murray | • Combined with above. | |
| 4.3 | Murray | • Combined with above. | |
| 4.4 | McKinley | • Answered several questions from the DAAC on the 30-day test. (McKinley)<br>• Obtained 36 Level 1B VIRS orbit data from TSDIS with assistance from Dr. Bruce Barkstrom. (Miller)<br>• Processed two hours of VIRS radiance (thermal channels noisy) through cookie cutter. (Miller)<br>• Started validation of the TRMM SSF using DX. Ms. Geier identified some missing footprints within the TRMM SSF that we still cannot explain. Investigations continue. (McKinley, Miller)<br>• Continued design for EOS-AM using two IES files for each hour. Produced pseudo code. (McKinley, Miller)<br>• Successfully modified and tested code to use the new meta_util and MCF files. It is backward compatible. (Miller)<br>• Started developing code to combine 24-hourly binary QC reports into a daily report. (Miller)<br>• Continued with at-launch updates to Software Design Document for SS4.4. (McKinley) | |
| 4.5 | Nolan | • Created Binary and HDF SSF using CERES (coverson) data at the SCF. (Nolan)<br>• Completed the SSF QC print software update for the inversion and surface flux QC parameters. (Nolan)<br>• Submitted CERES ADM module with upper limit of solar zenith angle changed from 180 to 90 degrees for inclusion in CERESlib. (Nolan)<br>• Continued work to update the software which creates the hourly and daily QC report for CERES Inversion in an ERBE-like format. (Nolan)<br>• Initiated work to modify the ssf2hdf code to add the units attributes to the SSF parameters and to name the SDS dimensions. (Franklin) | |
| 4.6 | Nolan | • Combined with above. | |

**Table 1: January 7, 1998 - Subsystem Status.**

| SS No. | SS Lead | Status | Problems |
|---|---|---|---|
| 5.0 | Coleman | • Incorporated metadata, output file name conformance, and exit codes into SS7.2. (Gupta)<br>• Submitted CRS DPC listing to CERES Documentation Team. (Gupta)<br>• Submitted the Preliminary Delivery Memo for SS7.2 to CERES CM. (Gupta)<br>• Ran three days of SYNs for SS8 testing. (Gupta) | |
| 7.2 | Coleman | • Combined with above. | |
| 12.0 | Coleman | • Ordered and received several months of 1986, 1992, and 1993 DAO data.<br>• Generated January 1986 MOA data for Clouds Group.<br>• Generated and supplied DAAC with software for preprocessing of NCEP Surface Flux files to extract backup Surface Temperature input data. | |
| 7.1 | Jimenez | • Combined with below. | |
| 8.0 | Jimenez | • Combined with below. | |
| 10.0 | Jimenez | • Discovered the problem with writing output to the HDF-EOS Grid structure was there was no projection defined (not a problem in earlier releases of the hdfeos library). Once a projection was defined, HDF-EOS files were created. (Jimenez)<br>• Added metadata to the TISA-Averaging binary and HDF-EOS output products. (Jimenez)<br>• Continued working on Release 2 Test Plan and Delivery Memo. (Jimenez)<br>• Received 3 days of SYN files and new I/O modules from Shalini Gupta, and began testing Subsystem 8. After modifying code to read the index records from the header (as opposed to a separate file), and making a few other minor modifications, Subsystem 8 executed through the 3 days. (Jimenez, Gupta)<br>• Modified run scripts, ascii file and PCF generators as needed for testing, production, and to move to TOOLKIT 5.2.1. (Jimenez, Stassi)<br>• Preparing for Friday's TISA-Averaging delivery to CM. (Jimenez) | |

**Table 1: January 7, 1998 - Subsystem Status.**

| SS No. | SS Lead | Status | Problems |
|---|---|---|---|
| 6.0 | McKoy | • Delivered the initial Release 2 version of the TISA Gridding software to CERES CM. (McKoy).<br>• Completed the TISA Gridding Release 2 test plan. (Franklin, McKoy) | |
| 9.0 | McKoy | • Combined with above. | |
| 11.0 | Stassi/ Fan | • Modified code so that all messages get written to the Log files. (Stassi)<br>• Updated the MCFs for TK5.2.1. (Stassi)<br>• Reran the April 1996 data for all four satellites to create plots for the individual satellites. (Stassi)<br>• Ran GOES-East and GOES-West data through system for Dec 29, 1997, as per request from Tak. (Stassi) | |
| CERESlib Stassi/ Fan | | • Retested Toolkit5.2.1 on SCFs after ECS released several fixes for the known problems (metadata, pccheck, DEM tools). Found and reported errors in the include file PGE_MET.f. (Fan)<br>• Implemented a subroutine for mapping ShortName to ProdID in preparation for the construction of the GrnauleID under ECS system in the wrapper. Other needed information will be ZoneNumber, FileNumber, or RegionNumber. GranuleID is currently provided by the PCF generator under LaTIS. (Fan)<br>• Developed an automatic test script for meta_util using different file types and metadata. (Fan)<br>• Modified the meta_util module in CERESlib on the SCFs for the CERES metadata attribute changes. (Fan, Stassi) | |
| CM | Ayers | • No new updates | |
| IST | Flug | • No new updates | |