

Table 1: April 12, 2000 - Subsystem Status.

| SS No. | SS Lead | Status | Problems |
|--------|------------------|--|----------|
| 1.0 | Escuadra /Cooper | <ul style="list-style-type: none">• Continue development of a web page for instrument housekeeping statistics. Created an index page for the Terra Available data web page, which allows the user to look at a particular month of available data results. (Filer)• Continuing developing stand-alone program for converting detector counts during moon view scans. (Spence, Walikainen).• Analyzing the TRMM spaceclamp anomaly data to determine the case and possible SS1 updates to handle this data. (Hess, Spence)• Continued work with the change to the spaceclamp code to still allow radiance data conversion when there is missing eph/att data. (Escuadra)• Supporting analysis of the TRMM spaceclamp anomaly and other ongoing investigations using the noise program and other off-line software. (Escuadra)• Continued monitoring Terra data production/ processing and providing data analysis support. (Cooper)• Continue updates to the Terra Missing and Available Data spreadsheets. Updating the code that creates the Terra Available data web page to show when changes to specific dates have been made. (Cooper)• Continuing the effort to add the Metadata for the combine BDS program, so it can be used by the Pre-ES8 program. Also adding the ability to read the PCF to get file information. (Szewczyk)• Continued to monitor Terra Operations and to assist in finding out why we haven't received CERES data. (Weaver) | |

Table 1: April 12, 2000 - Subsystem Status.

| SS No. | SS Lead | Status | Problems |
|--------|---------|---|----------|
| 2.0 | Nolan | <ul style="list-style-type: none">• Collaborated with Phil Hess on the TRMM Flatness Test. Produced utility programs to extract different records from PRES8's to run through inversion. Rerun SS2 with new data ("NoFlatnessLimit") for March 21-31, 2000. (Halvorson, Kizer)• Started to look at updating the inversion code by incorporating F90 modules. Incorporating calls to cereslib Openfile and Closefile subroutines. Writing prologues for new modules. (Halvorson, Kizer)• Inspecting ERBE-like Terra and TRMM output plots and QC reports on the Web. (Kizer)• Rerun SS2 with new data ("REFERENCE_2") for March 1, 2000 for Joey Escuadra. (Kizer) | |
| 3.0 | Kizer | <ul style="list-style-type: none">• Continuing to look at code to read SS2 metadata and pass the "Quality Flag" through the code instead of its current hard coded scheme. (Halvorson)• Continuing to look at updating the SS3 code by incorporating F90 modules. Testing of the evaluation version of the code and data validation has begun. All metadata and QC files are also being checked. Eliminated duplicate subroutines in SS3 code. Incorporating calls to cereslib Openfile and Closefile subroutines. Writing prologues for new modules. (Halvorson, Kizer)• Completed and made available the ERBE-like scene id software to Hai-Tien Lee (Univ. of Maryland) for Dave Young. (Kizer)• Completed ES-4 gif file code to produce monthly Cloud Forcing Plots. Generated the Net, LW, and SW cloud forcing gif files from CERES data. (Halvorson)• Collaborating with Dale Walikainen so that he may take over the effort to create a program that will check the QC reports. (Halvorson) | |

Table 1: April 12, 2000 - Subsystem Status.

| SS No. | SS Lead | Status | Problems |
|--------|---------|--|----------|
| 4.1 | Murray | <ul style="list-style-type: none"> Continued to work on simplifying the interface for the Gif File Generator to use one structure file for all Data Plots. (R. Brown) Started working with ION Demo again to see if I could solve the problem of using batch files. Continued to work on perl script to interface with Javascript for idl/web interface. (R. Brown) Worked for coming telecon. Identified and Corrected problems as necessary. Started running July 98 and ARM sites from Jan-Aug 98. Ran again as needed. (Sun-Mack/Murray) Communicated extensively with Pat Minnis, Jim Coakley, Xinquan Dong on issues related to coming telecon. (Sun-Mack) Jim Coakley provided their cloud retrieval results for 20 overpasses. Derived method to match their results with ours. 2/3 of the match is finished. (Sun-Mack) Reworked 0P1(SnowIce) and 2P1(Daily) PGEs to use a single file containing the LIDs for PCFile parameters for both PCF generation and execution. Standardized LID tokens and variable names in the Code and in the PCF generators. (Murray) Integrated the GGEO suggested modifications into the cloud code. Mostly adding parts to case statements to cover the geostationary data. (Murray) | |
| 4.2 | Murray | Combined with above. | |
| 4.3 | Murray | Combined with above. | |
| 4.4 | Miller | <ul style="list-style-type: none"> Investigated failed runs of convolution. The problem was caused by unreadable characters in the metadata file. Changes to cloud retrieval resolved the problem. (Miller) Retrieved July 1998 ValidationR4 SSFBs from the DAAC to use for the histogram. Processed the month through the code. Also processed five days for the pre-Edition1 files. (Miller) Produced statistics for Histogram and used Excel to produce graph. (Miller) Loaded VIRS and IES data for hours Dr. Loeb and Dr. Coakley requested. (Miller) | |

Table 1: April 12, 2000 - Subsystem Status.

| SS No. | SS Lead | Status | Problems |
|--------|-----------------|---|----------|
| 4.5 | Nolan | <ul style="list-style-type: none">Continued validating the code that implements the WrFlux runtime parameter. (Franklin)Gathered file size information and produced an estimate for the number of lines of source code and scripts in the Inversion validation code. (Franklin) | |
| 4.6 | Nolan | Combined with above. | |
| 5.0 | Coleman | <ul style="list-style-type: none">Completed incorporating latest version of the model as provided by Fred. (Coleman)Completed addition of logic to vertically profile the aerosol content and provide more detailed scene information. (Coleman)Processed March and April 1998 CRS files at the SCF in subsetted mode. (Coleman)Drafted new CRS structure. Changes include an additional tropospheric level in the clear-sky and total-sky vertical flux profiles, the addition of pristine fluxes (no clouds or aerosols used in the radiative transfer model) for SW, LW and WN at the surface and TOA, and 5 flags containing information about the aerosols. This increases the CRS by about 35 MB/hr. (Coleman) | |
| 7.2 | Coleman | Combined with above. | |
| 12.0 | Coleman | <ul style="list-style-type: none">Pursuing some questions for Tom Charlock regarding the meteorological data. (Caldwell)Assisting the surface group, i.e., Anne Wilber and Dave Kratz, in reading a month of MOA files. (Coleman) | |
| 7.1 | Nguyen/ Raju | <ul style="list-style-type: none">Gave John the number of lines of the off-line validation codes. (Nguyen, Raju) | |
| 8.0 | Raju/ Nguyen | <ul style="list-style-type: none">Verified ss8 DPC pages. (Raju)Gave off-line validation code estimates to Cathy. (Raju) | |

Table 1: April 12, 2000 - Subsystem Status.

| SS No. | SS Lead | Status | Problems |
|-------------------------|-----------------|---|----------|
| 10.0 | Nguyen/ Raju | <ul style="list-style-type: none"> Completed working on incorporating geostationary data, converting layer cloud to column cloud and combining it with CERES cloud data. (Nguyen) Writing IDL program to plot the CAVE data. Getting ready to compare the CAVE data and the surface fluxes from tisa averaging. (Nguyen) Correct the SRBAVG1 file size the PDC for Carol. (Nguyen) Updated interpolation and averaging routines in toa_flux_mod module to interpolate TOA Clear Sky fluxes using geostationary data and to average the interpolated values. Modified read_ggeo_mod module to include code to read clear sky radians from ggeo file. (Raju) Made very few modifications to init_subsys and geo_interp_mod modules to use new cadm_sw_new module and the SW ADM input file received from Sandy Nolan. Processed and outputted data values for one validation region. (Raju, Cathy) Gave John the number of code lines of the off-line validation codes. (Nguyen, Raju) Successfully tested the Postscript->PDF conversion program on samantha. (Flug, Nguyen) | |
| 6.0 | McKoy | <ul style="list-style-type: none"> Continued to modify the TISA Gridding software to handle multiple instrument processing. Modified the PCF ASCII input and the PCF generators to handle multiple instrument processing. (Assuming '+' sign as delimiter in the file names). (McKoy) | |
| 9.0 | McKoy | Combined with above. | |
| 11.0 | Stassi/ Fan | <ul style="list-style-type: none"> Clouds modules with updates for GEO pixel processing were sent to the Clouds subsystem and incorporated into the Clouds code. (Stassi, Murray) Diagrammed interface for extracting cloud parameters from the HourQC module for inclusion on the GGEO intermediate product. (Stassi) | |
| CERESlib Stassi/ Fan | | <ul style="list-style-type: none"> Discussing with the DAAC the implications of compiling Toolkit routines with -mips3 vs. -mips4. (Stassi, Travers, Flippo) | |

Table 1: April 12, 2000 - Subsystem Status.

| SS No. | SS Lead | Status | Problems |
|--------|---------|---|----------|
| CM | Ayers | <ul style="list-style-type: none">• Tested and released CERESlib and Regrid MOA to the Langley DAAC. (Ayers)• Updated the CERES Delivery Schedule. (Ayers)• Modified the script that provides information about the PGE delivery to include the total number of files in each file category and to provide the total number of lines of source code with and without comments. Used the script to generate information for the last delivery of each subsystem and provided this information to Carla Franklin who consolidated the data into FrameMaker charts/tables. Created a WWW page that contains this information and added a link on the main CM Home Page to this page. (McKoy, Franklin)• Posted the updated CERES Delivery Schedule to the CM web site. (Franklin) | |
| IST | Flug | <ul style="list-style-type: none">• Fixed a Y2K-related problem with the TRMM-PFM instrument operations function. | |