Table 1: April 26, 2000 - Subsystem Status.

SS No.	SS Lead	Status	Problems
1.0	Escuadra /Cooper	• Preparing for CERES Science Team Meeting. (Cooper, Escuadra, Hess, Spence, Szewczyk) • Worked to get the TRMM housekeeping data plots on the web, so they could be viewed by TRW. (Filer, Hess, Spence) • Analyzing the TRMM data to determine what can be done to alleviate the noise in the housekeeping and radiometric data. (Escuadra, Hess, Spence) • Continued monitoring Terra data production/ processing and providing data analysis support. (Cooper) • Continue updates to the Terra Missing and Available Data spreadsheets. Latest web page updates completed to provide all information requested by CERES and DAAC personnel. (Cooper) • Completing Combine BDS program to run at the DAAC within one script, creating a BDSC, which can be run through the BDS to Pre-ES8 processor. Currently needed for one day in March 2000, when science data was collected as diagnostic data in error. (Szewczyk) • Continued TRMM/Terra operations/analysis support. (Weaver)	

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2.0	Kizer	• Rerun SS2 with new data ("NoFlatnessLimit") for April 9-15, 2000. (Kizer) • Rerun SS2 March 2000 FM1 and FM2 with new expanded latitude and longitude constraints for Richard Green's Tropical Constant study. (Kizer) • Continuing 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. (Walikainen, Kizer) • Looking into creating a web counter for the ERBE-like web site that will keep track of who accesses the site, inside the larc domain vs. outside, and when they access it. (Halvorson) • Added compiler flags to the ERBE-like plotting compile scripts as suggested to compile correctly under new Operating System and Compiler upgrades. (Flug)	
3.0	Kizer	• Looked into the ES-9 and ES-4 code and output files to define uses of defaults for both LW and SW statistics. Read programs written to verify data files. (Halvorson, Kizer) • 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) • Added the monthly ES-4 Cloud Forcing plotting code to the production software to be put into production with next delivery. (Halvorson, Kizer) • Continue with creating a program that will check multiple ascii QC reports. (Halvorson, Walikainen)	

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4.1	Murray	• Telecon Preparations: • Produced 20 data sets to match those produced by Jim Coakley. Posted on the web. (Sun-Mack/Chen) • Ran all Han's cases, averaged the results for comparison. Posted on the web. (Sun-Mack/Chen) • Produced Oklahoma ARM site validation overpasses with (old) ironly algorithm. Used as a basis for comparison with latest results to show that the results were improved with the (new) SIST algorithm. (Sun-Mack) • Produced day and night TWP site validation overpasses. Averaged the results for comparison. Posted on the Web. (Sun-Mack/Chen) • Worked with Bob Arduni on a new 3.7 um model. Re-ran all data sets for comparison. (Sun-Mack) • Completed processing of July 1998 processing for Telecon. Began processing of January 1998 clouds only Processing. (Murray) • Using July 1998 data, produced plots, charts and various stats for the Telecon. Posted on the Web. (Murray) • Communicated with Art Lazanoff from Sun. He is proceeding with Testing of the Cloud Code on the Sun platform. (Murray)	
4.2	Murray	Combined with above.	
4.3	Murray	Combined with above.	
4.4	Miller	• Processed July 1998 ValidationR4 SSFBs and latest SCF run SSFI through software to create cloud water properties histogram. (Miller) • Produced statistics for Histogram, used Excel to produce graph, and posted on web. (Miller) • Processed hours through cloud retrieval and convolution that Dr. Loeb and Dr. Coakley requested. (Miller) • Investigated missing first cloud layer on a hand-full of footprints. It is related to normalization of the cloud overlap area. (Miller) • Started testing of new ssfqc module that contains imager vs. CERES regression information. (Miller)	

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4.5	Nolan	• Created and then updated LW and Window channel ADM ancillary files (for both “clear = 0-5% clouds” and “clear=0% clouds”) using Nitchie Smith’s latest VIRS12b LW and WN ADMs. (Nolan) • Created binary SSFs for all hours of July 1-3, 1998 TRMM data using “clear=0-5% clouds” ADMS for SARB testing. (Nolan) • Created 7 requested hours of HDF SSFs using February 1998 TRMM data and “clear=0% cloud” ADMS and for Jim Coakley. (Nolan) • Created 2 hours of binary SSFs using July 1 1998 TRMM data and “clear=0% cloud” ADMS for Karen Sage and Surface-only working group. (Nolan) • Created 2 hours of binary SSFs using January 1998 TRMM data and “clear=0% cloud” ADMS for Erika. (Nolan) • Continued work to separate the read and write functions in the SSF subset type definition module into 2 separate modules. (Nolan) • Continued work to create a stand-alone program that uses subsetted SSFs as input and executes the spectral correction and CERES inversion to TOA modules for Norman and Nitchie. (Nolan) • Modified PGE CER4.5-6P1 PCF generator to reference new ADM files and to reference correct ECMWF MOA files when the files have different data months or years. (Nolan and Franklin) • Completed validation of the WrFlux run-time parameter in PGE CER4.5-6P1. (Franklin) • Changed the ssf2hdf comparison code compilation to use a makefile to avoid having to change the compilation options when the compiler is updated. (Franklin) • Provided SSF HDF read software to Brian Killough (AMSD). Also provided him with information about the ’view_hdf’ and ’hdp’ utilities. (Franklin)	
4.6	Nolan	Combined with above.	

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SS No.	SS Lead	Status	Problems
5.0	Coleman	• Obtained go-ahead from Tom Charlock to add the MISR sites to the CERES Validation Region list. (Coleman) • Corrected implementation of aerosol vertical profiling logic and processed July 1, 1998 using the latest SSFs with the "0-5% cloudy = clear" ADMs. (Coleman) • Processed hours 0 and 12 of July 1, 1998 for the SRB group with SSFs that used the "0% cloudy = clear" ADMs. (Coleman) • Began processing July 2 and 3, 1998 through SARB. (Coleman)	
7.2	Coleman	Combined with above.	
12.0	Coleman	• Addressed errors in the ASCII file generator associated with calculating previous and next days in the year 2000. (Caldwell) • Looking into obtaining current ECMWF and NCEP data in order to investigate the arctic skin temperature, as per a request by Tom Charlock. (Caldwell) • Prepared a short program to read a month of MOA files and generate surface wind speed statistics for the SRB group (Kratz, Wilber, etc.). (Coleman)	
7.1	Nguyen/ Raju	• No new updates.	
8.0	Raju/ Nguyen	• No new updates.	

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10.0	Nguyen/ Raju	• Complete writing IDL program to read the tisa averaging output and the CAVE data and plot the time history of surface fluxes from CAVE data and computed data. (Nguyen) • Modified codes to create one output binary data file to plot time history of TOA fluxes and surface fluxes instead of having two data files. Also correct the IDL programs to read the new data file for plotting. (Nguyen) • Continued to work on the TOA Clear Sky fluxes to use geostationary data. (Raju) • Tested Tisa averaging software with the latest version of the ToolKit, TK5.2.6. (Raju)	
6.0	McKoy	• Continued to modify the TISA Gridding software to handle multiple instrument processing. Implementing software to create test input data for the multiple instrument processing. (McKoy) • Investigating the causes of the negative Infrared Emissivity in LW TOA and LW surface cloud data. (Nguyen, McKoy)	
9.0	McKoy	Combined with above.	
11.0	Stassi/ Fan	• Added routines to the ggeo_granfile.f90, hourbox.f90, and my version of the HourQC.f90 modules for extracting radiance and cloud parameter values from the Clouds processing summary and adding them to the GGEO granfile output. (Stassi)	
CERESlib Stassi/ Fan		• Modified NAG versions of f90_kind.f90 to include int8, byte2, and byte8; and to update the value of byte4. Modified SGI versions of f90_kind.f90 to included real16. (Stassi) • Modified following tests in CERESlib test suites: (1) Added indent option to border_echo.csh, (2) Added alternate output filename option to the setVariables.csh script, (3) Added option to specify length of echo string to diff_ascii.csh script. (Stassi) • Added following tests to CERESlib test suites: (1) test to check C type sizes, (2) test to check Fortran KIND values, (3) test to check default compiler flags. (Stassi)	

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CM	Ayers	• Delivered an updated MOA PCF generator to the Langley DAAC. (Ayers)	
IST	Flug	• No new updates.	