

**Table 1: February 2, 2000 - Subsystem Status.**

SS No.	SS Lead	Status	Problems
1.0	Escuadra /Cooper	<ul style="list-style-type: none"> <li>• Continue development of a web page for instrument housekeeping statistics. Began processing ground track plots for Terra, which are available on the web. Processed Solar Angle data for Terra and placed the daily tables and Beta Angle plots on the web. (Filer)</li> <li>• Continued developing stand-alone program for converting detector counts during moon view scans. (Walikainen, Spence).</li> <li>• Reviewing Terra output data. (Hess, Spence)</li> <li>• Continued monitoring Terra data production/ processing and providing data analysis support. Data is coming in 8 - 10 day chunks, rather than daily, and when data will arrive is anyone's guess. (Cooper)</li> <li>• Gave a presentation to Instrument Group members on PCFs and how they work. (Cooper)</li> <li>• As a result of a presentation to Dale on how data gets from the SpaceCraft to SS1, created a diagram, which Liz is adding to the Instrument private web page. (Cooper, Escuadra, Filer)</li> <li>• Working on the Data Products Catalog web page updates. (Filer)</li> <li>• Continue testing workarounds for the Instrument subsystem 64-bit executable. A solution to the file Reset has been found, but needs to be made in each instance that the Reset is used in the current code. (Escuadra)</li> <li>• Continued development VIRS and MODIS subsetting programs. (Szewczyk)</li> </ul>	

**Table 1: February 2, 2000 - Subsystem Status.**

SS No.	SS Lead	Status	Problems
2.0	Nolan	<ul style="list-style-type: none"><li>• Completed testing of the production version of the Subsystem 2.0 Release 3 software and generation of the comparison data for SSI&amp;T Subsystem 2.0 test cases for delivery to CM on 1-23-2000. (Nolan)</li><li>• Created Alpha ES8 files for Terra-FM1 and Terra-FM2 for Jan 11, 12, 15, 16 and 17 using the PRES8 files generated at the DAAC. Examining data and gif files. (Nolan)</li><li>• Generated HDF-EOS ES8s for all FAP days in June, July and August 1998 for Kory and Pete. (Nolan)</li><li>• Tested the ERBE-like subsystems on samantha, using the latest version of the ERBE-like Test Plan. (Bolduc)</li><li>• Completed test using compression on ES8 HDF-EOS file. The original ES8 was 482 M and with all SDSs compressed, it was 263 M. This compression used HDF4.1r3 and the current version of HDF-EOS. The compressed and uncompressed files were viewed with view_hdf and no differences were seen. (Bolduc)</li><li>• Completed work on the 5 record sample ES8 package. (Bolduc)</li><li>• Reported error that occurred when installing HDF5-EOS to David Wynne. (Bolduc)</li></ul>	

**Table 1: February 2, 2000 - Subsystem Status.**

SS No.	SS Lead	Status	Problems
3.0	Kizer	<ul style="list-style-type: none"><li>• Successfully delivered the ERBE-like Subsystem software to CERES CM as scheduled on January 21, 2000. (Kizer)</li><li>• The ERBE-like Test Plan and Operator's Manual were updated and delivered to CERES CM. (Kizer)</li><li>• Met with Jim Kibler to discuss possible changes to the ES-4 and ES-9 Data Products Catalog listings that would increase usability and decrease the number of pages. (Kizer, Halvorson)</li><li>• Updated and delivered the ES-4 and ES-9 Data Products Catalog listings. (Halvorson)</li><li>• Continued to look over the ES-9 collection guide and making changes that are necessary to mimic the ES-4 collection guide and reflect the new ES-9 HDF product. (Halvorson)</li><li>• Made available converted ERBE S-4 and S-9 to ERBE-like HDF format files to Jim Kibler. (Halvorson)</li></ul>	

**Table 1: February 2, 2000 - Subsystem Status.**

SS No.	SS Lead	Status	Problems
4.1	Murray	<ul style="list-style-type: none"><li>• Completed creating idl structure files for each type of Cloud data plot and made changes to GIF File generator as necessary. Testing image creation for all plots and continuing to try to determine problem with colormaps on images. (R. Brown)</li><li>• Completed modifications to Bryan Baum's overlapping algorithms. Integrated the modified version into the production and worked on adding this parameter into cloudvis file structure. Developed a new color map for dx reader. Half way in validation process. (Sun-Mack)</li><li>• Coordinated with Brian Baum to maintain one version of his code. With his approval, began validation efforts and identified a problem that occurred when translating his code from f77 to f90. Continuing with Validation efforts. (Sun-Mack)</li><li>• Continued to work with Art Laxanoff (Sun) on the compilation and execution of the Cloud Subsystems on a Sun Platform. Sent files necessary for Toolkit, CERESlib, etc. when needed. (Murray)</li><li>• Worked with Peter Szewczyk to test his Subset VIRS files. Identified some boundary condition problems in the cloud code when testing. (Murray)</li><li>• Put together some sizing and timing estimates for Erika Geier regarding processing of clouds in a variety of modes. (Murray)</li></ul>	
4.2	Murray	Combined with above.	
4.3	Murray	Combined with above.	

**Table 1: February 2, 2000 - Subsystem Status.**

SS No.	SS Lead	Status	Problems
4.4	Miller	<ul style="list-style-type: none"><li>• Investigated SSF footprints over Australia where VIRS was saturated in several channels. Changes in cloud code will eliminate these footprints in the next version. (Miller)</li><li>• Provided information on file VIRS HDF file formats to Ms. Sharon Rodier for PICASSO simulation. (Miller)</li><li>• Assisted Dr. Ben Ho in processing VIRS and TMI data for their study. (Miller)</li><li>• Answered question on subsetting strategy memory requirements for Ms. Erika Geier, RAB. (Miller)</li><li>• Attempted to determine which VIRS scan lines might have errors in them for the late April 1998 period that has low regression slopes with CERES longwave. (Miller)</li></ul>	
4.5	Nolan	<ul style="list-style-type: none"><li>• Continued modifications to Subsystem 4.5 software, which included latest Slope Intercept Spectral Correction module and updates to the PCF generator. (Nolan)</li><li>• Continued work to modify the SSF sample read package. (Franklin)</li><li>• Investigating problems encountered with the HDF compression routine in HDF4.1r3. (Franklin)</li><li>• Added the range attributes to the SSF SDS parameters. (Franklin)</li></ul>	
4.6	Nolan	Combined with above.	
5.0	Coleman	<ul style="list-style-type: none"><li>• Updated Validation Regions list to include Larry Stowe's Aeronet sites. Also included in this update are the elevations of the sites. (Coleman)</li><li>• Reprocessed subsetting CRS for Jan '98 due to a small error. These files are being made available to Bill Collins (UCAR). (Coleman)</li></ul>	
7.2	Coleman	Combined with above.	

**Table 1: February 2, 2000 - Subsystem Status.**

SS No.	SS Lead	Status	Problems
12.0	Coleman	<ul style="list-style-type: none"> <li>Finished production of January 1998 and February 1998 ECMWF-MOA for testing with SARB and Clouds groups. (Caldwell)</li> <li>Made previously mentioned data available via ftp to personnel at DAO office in response to their requests. (Caldwell)</li> <li>Continued examining modifications needed to allow processing of ECMWF data by Regrid MOA subsystem when ECMWF changes the number of vertical levels in their meteorological profile data. (Caldwell)</li> </ul>	
7.1	Nguyen/Raju	<ul style="list-style-type: none"> <li>Checked and made modifications to Operator's manual and Test plan documents. (Raju, Nguyen)</li> </ul>	
8.0	Raju/Nguyen	<ul style="list-style-type: none"> <li>Checked and made modifications to Operator's manual and Test plan documents. (Raju)</li> </ul>	
10.0	Nguyen/Raju	<ul style="list-style-type: none"> <li>Checked the column-cloud properties from FSW data. (Nguyen)</li> <li>Adding the net TOA fluxes to SRBAVG product. (Nguyen)</li> <li>Created global plot data files for the net surface fluxes. (Nguyen)</li> <li>Checked and made modifications to Operator's manual and Test plan documents. (Nguyen, Raju)</li> <li>Continue to work on the prologue sections. (Raju)</li> </ul>	
6.0	McKoy	<ul style="list-style-type: none"> <li>Completed the SFC and FSW DPC listings for TERRA. (McKoy)</li> <li>Implemented a program to convert a SSF file into a CRS file filling the CRS specific parameters with default values. (McKoy)</li> <li>Processing the months of January and February 1998 through Subsystem 6.0 and 9.0. (McKoy)</li> <li>Changed the type definition for the FSW Imager Channel Id to the Imager Channel Wavelength which changed the type from a 32-bit integer to a 32-bit real. (McKoy)</li> <li>Validating the column weighted cloud data for Subsystem 6.0. (Nguyen)</li> <li>Validating the cloud layer parameters for Subsystem 6.0. (McKoy)</li> </ul>	

**Table 1: February 2, 2000 - Subsystem Status.**

SS No.	SS Lead	Status	Problems
9.0	McKoy	Combined with above.	
11.0	Stassi/ Fan	<ul style="list-style-type: none"> <li>Wrote an alternate MOA_Open_Wrapper() routine for the moa_io.f90 module so that the GGEO/Clouds code can open MOA files in an alternative manner to the way that the regular Clouds code opens MOA (a manner more suited for monthly processing vs. hourly processing). This new routine is based on a similar routine previously written by Alice. I have discussed this with Lisa and will send the routine to her for inclusion in moa_io.f90 after further testing has been conducted. (Stassi)</li> <li>Modified the Clouds Init.f90 and MOA.f90 modules to allow for optional parameters in the initialization routines so that the GGEO code can indicate the necessity of using the alternate MOA_Open_Wrapper() routine. (Stassi)</li> <li>Modified the RetrievePixel() routine in the GGEO/Clouds Chunk.f90 module to assign latitude and longitude locations for all off-planet pixels. This is necessary because the Clouds code assumes that all incoming pixels have a location. According to Sunny, the off-planet pixels ultimately will not be used in GGEO/Clouds processing as long as the radiance values are still set to default values. (Stassi)</li> </ul>	
CERESlib Stassi/ Fan		<ul style="list-style-type: none"> <li>No CERESlib updates.</li> </ul>	
CM	Ayers	<ul style="list-style-type: none"> <li>Tested the ERBE-like (Subsystems 2.0 &amp; 3.0) delivery and released it to the Langley DAAC. (Ayers)</li> <li>Modified the schedule for upcoming deliveries. (Ayers)</li> <li>Created the PDF and HTML versions of the latest Delivery Schedule and placed them on the CM Delivery Schedule web page. (Franklin)</li> </ul>	

**Table 1: February 2, 2000 - Subsystem Status.**

SS No.	SS Lead	Status	Problems
IST	Flug	<ul style="list-style-type: none"><li>Added the Altitude files to the CERES Operations Products Web site. Fixed the command listing software so that it will include any parameters that appear along with the command in the ATC Load Report. Assisting Bill Weaver in the evaluation of new TODL files which have duplicate packets removed. Verifying that the snap file generation software can handle the new TODL files.</li></ul>	