

Table 1: February 16, 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. (Filer)• Continued developing stand-alone program for converting detector counts during moon view scans. (Walikainen).• Reviewing Terra output data. (Hess)• Azimuth Stall was detected in the FM1 instrument. Analysis to find the possible problem concluded that there was no physical problem, instead it was a possible corruption of data within the register that holds the azimuth position. (Hess, Weaver)• Fixed a problem with the Terra Level-0 set start routine that was skipping the first packet of data for any Level-0 file. (Cooper)• Began work on modifying the Noise program to work with the Azimuth offset investigation data. Working with Susan and Kory to properly handle DAC updates that occur during the span of a complete azimuth rotation from A to B and back to A. (Escuadra)• Continued monitoring Terra data production/ processing and providing data analysis support. (Cooper)• Wrote scripts to monitor Terra data availability. Several Level-0 and ephemeris and attitude datasets are missing, however, most of these can be accounted for by problems with spacecraft downloads, DPREP, etc. Data continues to come in at a later date/time and data coverage appears to be narrowing in on 100% as the timeline continues on. (Cooper)• Continue testing workarounds for the Instrument subsystem 64-bit executable. (Escuadra)• Continued development on MODIS subsetting programs. (Szewczyk)• Continued to monitor Terra Operations and to assist in finding out why we haven't received CERES data. (Weaver)	

Table 1: February 16, 2000 - Subsystem Status.

SS No.	SS Lead	Status	Problems
2.0	Nolan	<ul style="list-style-type: none">• Updated PCF generator for PGE 2.1 to use new Production Strategy, PS2_1 and Configuration Code, CC2_1. This code was included in the SS2 DAAC delivery update. (Nolan)• Fixed problems with software that generates ES-8 Validation plots. Changed compile files so that all C++ code links with -n32 option. This code was included in the SS2 DAAC delivery update. (Nolan and Flug)• Generated additional Jan and Feb Alpha ES8 files for Terra-FM1 and Terra-FM2 using the PRES8 files generated at the DAAC. Continuing to examine data and gif files. (Nolan and Bolduc)• Completed timing estimates for reading compressed and uncompressed ES8 HDF-EOS files. Read the compressed and uncompressed versions of 3 different HDF-EOS ES8 files, 3 times. The walltime increased about 15% when reading the compressed version. The average walltime for reading both versions was around 2 minutes. In all cases, the user time was higher and the system time was lower for reading the compressed files. (Bolduc)• Created new 5 record ES-8 sample file and associated formatted dump file. Began updating the README file for the 5 record package to follow SSF README file format. (Nolan)• Generated HTML versions of the ES-4, ES-8, and ES-9 description pages. (Flug)• The last day of Jennifer Bolduc's internship was 2-11-2000	

Table 1: February 16, 2000 - Subsystem Status.

SS No.	SS Lead	Status	Problems
3.0	Kizer	<ul style="list-style-type: none">• The ERBE-like Operator's Manual was review by Maria Mitchum. Changes were made as suggested. (Kizer)• HDF compression tests were done on the ES-4 and ES-9 to verify creation time vs. size of product and effected accessing time of compressed product. (Halvorson, Kizer)• 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, Kizer)• Looked at the SRBAVG HDF file format to determine how it could be written in the same format as the ES-4 and ES-9 products using vgroups. (Halvorson)• Continuing to look at updating the SS3 code by incorporating F90 modules. (Halvorson, Kizer)	

Table 1: February 16, 2000 - Subsystem Status.

SS No.	SS Lead	Status	Problems
4.1	Murray	<ul style="list-style-type: none">• Tried to determine problem with colormaps on images created by IDL for the web. (Brown)• Modified VINT to get rid of zeta factor of reflectance. Processed April and May ARM site runs. Binned up the results and put the results on the web. (Sun-Mack)• Worked with Dr. Kazuaki Kawamoto on his validation sist program off-line on twilight cases. Created 8 chunks of data, a reader, and README file. (Sun-Mack)• Staged input data for ARM site for remaining months not previously processed. (Sun-Mack)• Assisted Ms. Chen on redesigning web pages for overlap, clear sky, etc. (Sun-Mack)• Answered question from Mr. Peter Szewczyk on MODIS file format (subsetting). (Sun-Mack)• Answered questions from Mr. Joe Stassi on implementing cloud algorithm in GGEO. (Sun-Mack)• Finished validation of Dr. Bryan Baum's overlap algorithm and delivered to Mr. Murray. (Sun-Mack)• Worked with Mr. Pat Heck on making the LBTM available for TISA-clouds. (Sun-Mack)• Processed Version 5 VIRS data. Changed code to handle geometry in real format vs. integer in Ver 4. (Murray)	
4.2	Murray	Combined with above.	
4.3	Murray	Combined with above.	

Table 1: February 16, 2000 - Subsystem Status.

SS No.	SS Lead	Status	Problems
4.4	Miller	<ul style="list-style-type: none">• Obtained level 0 VIRS HDF file formats to Ms. Sharon Rodier for PICASSO simulation. (Miller)• Assisted Dr. Ben Ho in processing VIRS and TMI data for their study. (Miller)• Started review of direct pixel selection algorithm created by Mr. Richard Green. (Miller)• 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)• Determined difference between VIRS version 4 and 5 data. The geometry was changed from integer to real. (Miller)	
4.5	Nolan	<ul style="list-style-type: none">• Continued testing updates to Subsystem 4.5 software. (Nolan)• Determined that the compression in HDF4.1r3 was not working on the SSF because not all footprints were written to the HDF file at one time. When all footprints were written at once, the HDF file size was reduced by 67.8% - from 189 MB to 61 MB - when compression was used. HDF file creation time increased from 1.5 minutes to 3.75 minutes. Reading/comparing HDF files increased from 6.5 minutes to 9 minutes. The compressed file was compared to the uncompressed file successfully. (Franklin)	
4.6	Nolan	Combined with above.	
5.0	Coleman	<ul style="list-style-type: none">• Met with Tom Charlock and Dave Rutan to plan a strategy for implementing comments received from non-Langley personnel on the Validation Regions Tables. (Coleman)• Compiled all the updated code for 7.2. Now looking at ASCII file and PCF files to see if they are up to date. Planning to make a test run with TISA data produced at the DAAC last November. (Coleman)	
7.2	Coleman	Combined with above.	

Table 1: February 16, 2000 - Subsystem Status.

SS No.	SS Lead	Status	Problems
12.0	Coleman	<ul style="list-style-type: none">• Delivered Regrid MOA Subsystem to CM. This version corrects the skin temperature problems with the ECMWF data previously noted by the Clouds Group. (Caldwell)• Continuing to implement solution for when ECMWF changes the number of vertical profile levels in the input data to the Regrid MOA Subsystem. (Caldwell)	
7.1	Nguyen/ Raju	<ul style="list-style-type: none">• No new updates	
8.0	Raju/ Nguyen	<ul style="list-style-type: none">• No new updates	
10.0	Nguyen/ Raju	<ul style="list-style-type: none">• Completed adding the net TOA and surface fluxes to SS10 codes. (Nguyen)• Modified the SRBAVG plot software to generate validation plots and difference plots of net flux TOA and surface data. Added the net flux plot options to the Web interface. (Flug)• Preparing to incorporate GGEO cloud parameters to the algorithm. (Nguyen)• Corrected the surface LW weighting algorithm. (Nguyen)• Reviewed and updated Tisa averaging Operator's manual, Test plan and DPC documents. (Raju, Nguyen)	

Table 1: February 16, 2000 - Subsystem Status.

SS No.	SS Lead	Status	Problems
6.0	McKoy	<ul style="list-style-type: none">Completed 90% of the processing for the month of January 1998 through Subsystem 6.0 and 9.0 when the memory on thunder was reported bad. The TISA disk drives also failed and the system administrators are in the process of restoring the drives. When this is done, we will reprocess this data again. (McKoy)Update the FSW and SFC range files to contain the maximum range expected for a parameter from any given instrument. (McKoy)Adding a flag to the FSW and SFC data record to provide the following information about the hourbox: FAPS / RAPS mode and the instrument the hourbox is from. This flag will be a 32-bit integer where each bit will provide information about the hourbox. Developed routines to access the data bits of the 32-bit integer. (McKoy)Validating the column weighted cloud data for Subsystem 6.0. (Nguyen)Validating the cloud layer parameters for Subsystem 6.0. (McKoy)Implemented an on-line Action Item list for the TISA WG. (McKoy)	
9.0	McKoy	Combined with above.	
11.0	Stassi/ Fan	<ul style="list-style-type: none">Making some progress with the Clouds integration into the GGEO subsystem. Evaluating the results using a program which reads the Clouds QC output. A few problems have been found and corrected. Currently, there is an error in the integrated Brightness Temperature calculated from the MOA data, even though the MOA data appears to have been read in correctly. This problem is still being tracked down. (Stassi)	

Table 1: February 16, 2000 - Subsystem Status.

SS No.	SS Lead	Status	Problems
CERESlib Stassi/ Fan		<ul style="list-style-type: none">• Updated the ceres_valregions.f90 and valreg_utils.f90 modules in CERESlib. (Coleman, Stassi)• Delivered CERESlib to CM. (Stassi)• Met with SEC to discuss additional tests for the CERESLIB test suites to check default compiler flag options. (Stassi)	
CM	Ayers	<ul style="list-style-type: none">• Tested and released CERESlib and Regrid MOA to the Langley DAAC. (Ayers)• Delivered 3 updated Subsystem 3.0 (ERBELike) PCF generator scripts to the Langley DAAC. (Franklin)	
IST	Flug	<ul style="list-style-type: none">• No new updates.	