Table 1: January 31, 2001 - CM Status

SS No.	SS Lead	Status	Problems
CM	Ayers	• SCCRs submitted since last DMTM: None; SCCRs updated since last DMTM: None; SCCRs approved since last DMTM: None; SCCRs to be reviewed for approval (Subsystems 1-4): None. (Ayers) • Updated the Delivery Schedule and posted it on the CERES Configuration Management Schedules Web page (http://earth-www.larc.nasa.gov/cerescm/schedules/). (Ayers, Franklin) • Released the Instrument delta delivery to the Langley DAAC. (Ayers) • Posted the updated Toolkit Information to the CM Web Page. (Franklin) • Continued work on the CM Software and Document Systems. (Franklin)	

CERES System Configuration Change Request Submittal

==========

NONE.

Table 2: January 31, 2001 - Subsystem Status

SS No.	SS Lead	Status	Problems
1.0	Cooper/ Escuadra	• Continuing SS1 scan and output redesign. (Escuadra) • Continue tracking receipt of Terra Data receipt at LaRC. (Cooper) • Completed Delta Delivery of tables to support the new no internal cal scan profile. (Cooper) • Began work on a program to combine Terra Level-0 files to get better data coverage for days where we have received replacement Level-0 files that are missing data we previously had on hand, but the new files contain data that was not previously available. (Cooper) • Continuing analysis of Terra data, radiance, coastline detection, instrument housekeeping and Moon Viewing data. (Hess, Spence, Szewczyk) • Continue work to verify Terra operations. (Weaver)	
2.0	Kizer	• Modified ERBE-like Binary to HDF Conversion code to use HDF library compression routines for the EOS-HDF ES-8, HDF ES-9, and HDF ES-4 files. (Kizer) • Began developing IDL code to generate ERBE-like ES-8 Cloud Forcing plots for Bruce Barkstrom. (Kizer) • Continuing to examine ERBE-like inversion code in preparation to execute a 3 channel inter-comparison check. (Walikainen) • Spectral Correction Coefficient software is being examined for code familiarity and possible ways to reduce cpu runtime. Several steps in the software were automated. (Walikainen) • Continuing to examine the 'production' email generated by the QC checker software. (Walikainen) • Continuing to inspect ERBE-like Terra and TRMM output plots and QC reports on the Web. (Walikainen, Kizer)	
3.0	Kizer	Combined with above.	

Table 2: January 31, 2001 - Subsystem Status

SS No.	SS Lead	Status	Problems
4.1	Sun-Mack	• Post processed TRMM Edition1 QCs for VIRS May 1998, June 1998 and March 2000 to get monthly mean statistics and plots. And posted the results to the web. (R.Brown) • Modified QC code to compute monthly zonal mean of cloud particle size, under certain specific physical conditions. (R.Brown) • Worked for Pat Minnis's talk in 23rd CERES STM. (R.Brown, Sun-Mack) • Provided Bruce Barkstrom (for his presentation to HQ to get funding for CERES cloud processing) with the history of the steps cloud has taken to speed up the run time and a summary of the results when we use all of the pixels, every other pixel and every 5th pixel including the reduction in run time. (Miller, Sun-Mack) • Downloaded and installed IVICS (from Univ. of Alabama in Huntsville) successfully. VIRS data was successfully read into IVICS and displayed. CloudVis file failed to be read in. Communicated with Todd. (Sun-Mack)	
4.2	Sun-Mack	Combined with above.	
4.3	Sun-Mack	Combined with above.	

Table 2: January 31, 2001 - Subsystem Status

SS No.	SS Lead	Status	Problems
4.4	Miller	• Monitored Edition1 production of clouds and convolution (June - July, 1998) and SubsetEdition1 (July 1998). (Miller) • Produced Daily Binary Quality Control files for June 19, 1998 to July 31, 1998. (Miller) • Processed June and July 1998 through Narrowband-Broadband regression postprocessor. (Miller) • Produced simulated IES for January 12 and April 3, 1998. The April data will be used by Dr. Stowe, NESDIS, to validate. (Miller) • Developed software to obtain water radius, ice diameter, height, and optical depths by temperature bins for pure water and ice clouds (99.9%) from SSFBs for Pat Minnis, RAB. June and July 1998 were processed through the software. (Miller) • Performed timing studies on 20 minutes of full resolution and quarter sampled MODIS data. The extrapolated SCF timing is 16 and 4 hours respectively. The code is aborting when the one sample per 5 by 5 is run. Investigation have not determined the problem yet. (Miller)	

Table 2: January 31, 2001 - Subsystem Status

SS No.	SS Lead	Status	Problems
4.5	Nolan	• Created Daytime and Nighttime SSF Subset files from Edition1 SSFs for all available June 1998 PFM days. These files are being copied to tape archive - when tape archive is available. (Nolan) • Copied DAAC generated Daytime and Nighttime Edition1 SSF Subset files for July to the inversion disks. The metadata for these files were checked. (Nolan) • Created SSF binary and HDF files for all hours of April 03, 1998 at the SCF using IES files with simulated CERES data. Minor modifications were made to PGE 4.5-6.1P1 software before creating these files. The SSF HDF files were examined using view_hdf and were transferred to the DAAC, where they will be subsetted and sent to Dr. Stowe for further evaluation. (Nolan) • Began work to integrate and test the preliminary CERES ADM code. (Nolan) • Provided Costy Loukachine with SSF Subset read software. (Nolan) • Worked with the SARB subsystem regarding the SSF and CRS HDF code and the HDF viewers. (Franklin) • Provided software for Ms. Geier to review that will open, read, and close an HDF file and will create a "pretty print" output file containing the data from the HDF file. (Franklin)	
4.6	Nolan	Combined with above.	
5.0	Coleman	• Continued preparing software for operational processing by incorporating meta data into the Surface Albedo Daily Pre-Processor. (Coleman) • Began modifying code in Surface Albedo Monthly Pre-Processor to include flag indicating the source of the surface albedo data for each 10-minute (land-only) region. (Coleman) • Continued clean-up of binary to HDF conversion code, including making arrays allocatable. Also experimented with compression. (Caldwell)	
7.2	Coleman	Combined with above.	
12.0	Coleman	• No new updates.	

Table 2: January 31, 2001 - Subsystem Status

SS No.	SS Lead	Status	Problems
7.1	Nguyen/ Raju	• No new updates.	
8.0	Raju/ Nguyen	• Continuing work to update ss8 product write routines to write correct monthly and monthly-hourly values onto AVG/ZAVG HDF products. (Raju)	
10.0	Nguyen/ Raju	• Found error in the monthly mean of SW fluxes. Corrected the error. Re-ran SS10 code for calibrated and non-calibrated GGEO. Provided February Web plots for the CERES Science meeting. (Nguyen) • Provided monthly mean TOA fluxes in ASCII format for Dave Young for the comparison of the fluxes from using non-calibrated and calibrated GGEO. (Nguyen) • Took one-minute ARM data in GMT time, converted the GMT to local time. Used the solar zenith angle at local time from TISA and the solar zenith angle at GMT time to adjust the surface SW fluxes. Then averaged one minute data to 30 minutes data. Compared this set of data with TISA data. (Nguyen) • Updated the SRBAVG DPC, made corrections to the codes and the document to match. Used view_hdf to check and compared with the document. (Nguyen) • Plot time history to study CMDL and BSRN one-minute data. (Nguyen)	
6.0	Stassi/ Nguyen	• See SS 9.0	
9.0	Stassi/ Nguyen	• Continue running Tisa Gridding test suites on thunder. (Stassi) • Preparing for next month's delivery. (Stassi)	
11.0	Stassi/Fan	• Wrote a program to read the GGEO output and calculate regional and zonal averages for cloud amount and optical depth, both at the individual cloud layers and for total sky. (Stassi) • The GGEO data product modules in CERESlib were modified to allow easier access to the data product with off-line programs. (Stassi)	

Table 2: January 31, 2001 - Subsystem Status

SS No.	SS Lead	Status	Problems
CERESlib	Stassi/Ayers	• Two utility scripts were added to the CERESlib bin directory: year_month_day.csh, which takes year and day_of_year and echoes a string in "yyyy/mm/dd" format to standard output; and hour_of_month.csh, which takes day and hour_of_day and echoes hour_of_month to standard output. (Stassi)	
IST	Flug	• No new updates.	