

**Table 1: June 6, 2001 - CM Status**

SS No.	SS Lead	Status	Problems
CM	Ayers	<ul style="list-style-type: none"> <li>• See Table 2 for SCCR activity since the last DMT meeting. SCCRs for Subsystems 1-4 that need to be reviewed follow Table 2. (Ayers)</li> <li>• Released the Inversion and CERESlib deliveries to the ASDC. (Ayers)</li> <li>• Updated Inversion files in SSI&amp;T, retested, and re-released Inversion to the ASDC. (Ayers)</li> <li>• Expecting Cloud delivery. (Ayers)</li> <li>• Restricted access to the CERES CM web page on the development machine, saisun26, to CERES CM team members only. (Franklin)</li> </ul>	

**Table 2: SCCR Activity May 21 at 3:30pm - June 4 at 11:40am**

SCCR	S	U	A	C	D	SS	Page No.	Comments
258				X		4.6		
259		X	X			4.5-4.6		
262			X			4.1-4.4		
263				X		CERESlib		
265	X	X	X			4.5-4.6		
266	X		X			CERESlib		

S=Submitted; U=Updated; A=Approved; C=Closed; D=Disapproved; SS=Subsystem

**Table 3: June 6, 2001 - Subsystem Status**

SS No.	SS Lead	Status	Problems
1.0	Cooper/ Escuadra	<ul style="list-style-type: none"><li>• Continuing Release 4 integration testing and data verification. (Escuadra)</li><li>• Working on updates to Release 4 for Instrument and BDSS changes. Also further testing of new rel4 code to verify no changes to data values due to architecture changes are present. (Cooper, Hess)</li><li>• Working on the subsetting of the new MODIS subset data. Testing of the 2x2 subset are being performed. Information on how to handle updates to the existing metadata are needed to complete the process. Testing of the 2x2 subset data by Clouds are pending completion of unit testing. (Spence, Szewczyk)</li><li>• Continue work to verify Terra operations. (Weaver)</li></ul>	
2.0	Kizer	<ul style="list-style-type: none"><li>• Completed efforts to verify ERBS 19850413 data using new type ADMs and new SCCs in current CERES ERBE-like inversion code. Also generated and verified 19861010 NOAA9 data. (Green, Kizer)</li><li>• Preparing a Three Channel Consistence Check module for the ERBE-like software. (Walikainen)</li><li>• Regenerated 'master' Spectral Correction Coefficients, slope-intercept day/night files for ERBS pre-burn, 198504, and 198904. Spectral Correction Coefficients were also generated for NOAA9. (Walikainen)</li><li>• 'Continuing to examine the 'production' email generated by the QC checker software. (Walikainen)</li><li>• Continuing to inspect ERBE-like Terra and TRMM output plots and QC reports on the Web. (Walikainen, Kizer)</li></ul>	
3.0	Kizer	Combined with above.	

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4.1	Sun-Mack	<ul style="list-style-type: none"> <li>Modified ReadZonalCloudAmount QC code and scripts to produce statistical plots. (R.Brown)</li> <li>Worked on Test Plan Documentation for SS4.1-4.4 and wrote script to clean-up input files (moa, ephemeris, IES) after testing is completed. (R.Brown)</li> <li>Received, implemented and debugged new cloud param code. Tested the new algorithm by running a day of TRMM data (19980715) and all 8 months of 1998 ARM GSP TRMM overpasses. The results were posted on the web. (Sun-Mack, R.Brown)</li> <li>Received instructions of code modification for lapse rate, and cloud thickness. Implemented them into clouds production code. Also implemented Coakley off-line version code and run all Coakley cases. The results of cloud height compared with Coakley's look a lot better. (Sun-Mack, Chen)</li> <li>It has been that VISST always has some left-over pixels on each side of scan that don't get to be processed due to the tile size requirement. Implemented the strategy to process these left-over pixels. Re-define the maskCategory in Cookiedough per Erika's request. Implemented detector correction for 1.6um. Worked on disks swappings. (Miller, Sun-Mack)</li> <li>Received and implemented 1.6 um retrieval into the cloud production code. Not tested and turned off for TRMM Edition2. (Sun-Mack)</li> </ul>	
4.2	Sun-Mack	Combined with above.	
4.3	Sun-Mack	Combined with above.	

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4.4	Miller	<ul style="list-style-type: none"><li>• Implemented and tested second/third generation combination aerosol optical thickness algorithm. (Miller)</li><li>• Wrote pseudo code to implement Dr. Barnes' 1.6 correction. Validated implementation of algorithm. (Miller)</li><li>• Implemented method to recover bad data due to saturated imager pixel thermal radiances over desert (land). (Miller)</li><li>• Modified areal coverage definition to handle footprints with no cloud fraction information. (Miller)</li><li>• Produced statistics on water radius and ice diameter for April 1998 stratified by cloud fraction, optical depth, and surface type. (Miller)</li><li>• Updated Operator's Guide. (Miller)</li></ul>	

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SS No.	SS Lead	Status	Problems
4.5	Nolan	<ul style="list-style-type: none"> <li>Continued validating Draft ADM code. Corrected error in the CERES Shortwave ADM algorithm and completed testing. Delivered updated source files and new comparison data to CERES CM on May 24, 2001. (Nolan)</li> <li>Updated the CERESlib module, ssf2hdf_params, to change the units on three parameters due to changes made to the ssf_typdef module. Provided the updated module to Tammy Ayers for the CERESlib delivery. (Franklin)</li> <li>Modified PGE 4.5-6.3P1 code to meet new requirement to no longer compute unfiltered radiances or TOA and surface fluxes for the Window channel as per micron. Delivered updated source files and new comparison data to CERES CM on June 1, 2001. (Nolan)</li> <li>Created 25 SSF HDF files at the SCF for April 9, 1998 to be subsetted at the ASDC for Larry Stowe. (Franklin)</li> <li>Created a days worth of SSFs using CER4.5-6.3P1 for use in testing the Inversion code. (Franklin)</li> <li>Made additional modifications to Shashi Gupta's LW Surface Flux Model B module and initiated testing. (Nolan)</li> <li>Initiated work to add new SW and LW ADM modules to PGE 4.5-6.1P1. (Nolan)</li> <li>Modified ssf_read program to determine the total number of records in an SSF file and how many of them have SW TOA flux set to 0. (Walter)</li> <li>Wrote program ssf_matches.f90 which determines the number of matching records in an SSF subset file and an SSF binary file. (Walter)</li> <li>Wrote a program to find a footprint in an SSF Subset file based on packet and sample numbers and print out that footprint. Modified this program and the corresponding program for the binary SSF to search for multiple footprints based on packet and sample numbers. (Walter)</li> <li>Modified binary SSF comparison program to compare all parameters on any 2 binary SSFs. (Walter)</li> <li>Initiated work to create a program which will create a binary SSF from an SSF HDF file. (Walter)</li> </ul>	

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4.6	Nolan	Combined with above.	
5.0	Coleman	<ul style="list-style-type: none"> <li>Modified SARB assignment statements for window channel variables to reflect recent changes to their SSF definitions. (Coleman)</li> <li>Changed definition of unused aerosol constituency slots on CRS to be the CERES default value instead of zero. (Coleman)</li> </ul>	
7.2	Coleman	Combined with above.	
12.0	Coleman	<ul style="list-style-type: none"> <li>No new updates.</li> </ul>	
7.1	Nguyen/Raju	<ul style="list-style-type: none"> <li>Validating and checking TSI files with the updated code. (Nguyen)</li> </ul>	
8.0	Raju/Nguyen	<ul style="list-style-type: none"> <li>No new updates.</li> </ul>	
10.0	Nguyen/Raju	<ul style="list-style-type: none"> <li>Testing the new LW surface flux model A algorithm. (Nguyen)</li> <li>Used view_hdf to check the SRBAVG and found that the averaged cloud data were uncorrected. Modified code to correct this error. (Nguyen)</li> <li>Added the standard deviation to the surface flux 30 min. and 1 min. plots. Used the equation from Dave Rutan to correct the SW surface flux for 30 min. data (Nguyen)</li> </ul>	
6.0	Stassi/Raju/Nguyen	<ul style="list-style-type: none"> <li>No new updates.</li> </ul>	
9.0	Stassi/Raju/Nguyen	<ul style="list-style-type: none"> <li>Worked on Tisa Gridding software to write imager data onto SFC files, requested by Tisa science team. Made several runs to SS9 process and generated new SFC files. Updated SFC Hourly and SFC monthly read software and validated the generated outputs. (Raju)</li> </ul>	
11.0	Stassi/Fan	<ul style="list-style-type: none"> <li>Started updating intercalibration software to get imager data information from SFC files instead of FSW files. (Raju)</li> </ul>	

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CERESlib Stassi/Ayers		<ul style="list-style-type: none"><li>• No new updates.</li></ul>	
IST	Flug	<ul style="list-style-type: none"><li>• No new updates.</li></ul>	