

Table 1: February 14, 2001 - CM Status

SS No.	SS Lead	Status	Problems
CM	Ayers	<ul style="list-style-type: none">• SCCRs submitted since last DMTM for Subsystems 1-4: 241 (see following pages); Other SCCRs submitted since last DMTM: 238-240; SCCRs updated since last DMTM: 241; SCCRs approved since last DMTM: 241. (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 Regrid MOA delta delivery to the Langley DAAC. (Ayers)• Provided 30+ old Delivery Memos to the DAAC to assist them in updating a database. (Ayers)	

CERES System Configuration Change Request Submittal

Subsystem: Clouds SCCR Date: 02/12/2001 SCCR Number: 241

Description of Change (Science):
None.

Reason for Change (Science):
None.

Description of Change (non-Science):
Process Control File generator script has been modified to update Toolkit version from 5.2.6 to 5.2.7.

Reason for Change (non-Science):
To accommodate Toolkit version update.

Estimates Man Power: Done
Schedule : February 23, 2001
Impact : N/A

Date: 02/12/2001 Status: SUBMITTED

Originator: SUN-MACK, SUNNY (SAIC)

===== **ADDITIONAL CHANGES TO SCCR NO. 241:** **=====**

Description of Change (Science):
None

Reason for Change (Science):
N/A

Description of Change (non-Science):
Deliver the PFM PSF ancillary file with name change to accommodate SIM processing.

Reason for Change (non-Science):
The PSF file is instrument specific.

Date & Time: 2001-02-12 09:23:20
Originator: MILLER, WALTER F. (SAIC)

Table 2: February 14, 2001 - Subsystem Status

SS No.	SS Lead	Status	Problems
1.0	Cooper/ Escuadra	<ul style="list-style-type: none">• Continuing SS1 scan and output redesign. (Escuadra)• Continue tracking receipt of Terra Data receipt at LaRC. (Cooper)• Continuing work on the program to combine Level-0 files for Terra. The program creates the packet data file and construction record, however there is a problem reading the created construction record, which is currently being investigated. (Cooper)• Working on program to time-order the command logs. This will be added as a post-processor to the subsystem once the results have been verified. (Szewczyk)• 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	<ul style="list-style-type: none">• Finalizing ES-8 Nadir file format and algorithm. Generated January 2001 FM1 and FM2 ES-8 Nadir files for evaluation. (Kizer)• Continued developing IDL code to generate ERBE-like ES-8 Cloud Forcing plots for Bruce Barkstrom. Verified plotting of correct local hour conversion. (Kizer)• Continuing to examine ERBE-like inversion code in preparation to execute a 3 channel inter-comparison check. (Walikainen)• Met with Norm Loeb to discuss Spectral Correction Coefficient algorithms and next steps to be applied to software. (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.	

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SS No.	SS Lead	Status	Problems
4.1	Sun-Mack	<ul style="list-style-type: none"> • Worked on post processing TRMM Edition1 QC for July,1998 and August 1998. (R.Brown) • Working on modifying post processing QC code for producing files to use in producing statistical graphs. (R.Brown) • Looked into running Xmgrace in batch mode, which will be used in producing statistical graphs. (R.Brown) • Wrote, debugged, tested and implemented MODIS 36 channel reader. (S.Sun-Mack) 	
4.2	Sun-Mack	Combined with above.	
4.3	Sun-Mack	Combined with above.	
4.4	Miller	<ul style="list-style-type: none"> • Monitored Edition1 production of clouds and convolution (August 1998 and March 2000) and SubsetEdition1 (August 1998). (Miller) • Produced Daily Binary Quality Control files for August 1-31, 1998. (Miller) • Processed August 1998 through Narrowband-Broadband regression postprocessor. (Miller) • Determine that the near nadir radiance mean was used instead of the full radiance mean in the broken radiance automated quality flag test. A divide by zero was occurring which caused the limit to be exceeded. The code has been updated and successfully tested. (Miller) • Fixed a bad index that was causing the one sample per 5 by 5 not to run. Run time was 834 seconds for 20 minutes (both IESs) or a total estimated time of one hour (SCF). (Miller) • Discovered the last March 2000 hour being run at the SCF was failing because of a corrupted IES. • Generated various Point Spread Functions to trouble shoot 5 x 5 processing problems and potential processing savings vs. science lost. (Miller) • Removed call to sort function (needed for percentiles); however it only accounted for 15 minutes of 3.7 hours of processing. (Miller) • Discussed various MODIS processing scenarios and their trade-offs. (Miller) 	

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SS No.	SS Lead	Status	Problems
4.5	Nolan	<ul style="list-style-type: none"> Completed backup of all January through June 1998 SSF Subset files to tape archive. (Nolan) Copied DAAC generated Daytime and Nighttime Edition1 SSF Subset files for August 1998 and part of March 2000 to the inversion disks. The metadata for these files were checked and missing data hours were tracked. (Nolan) Initiated work on software changes for the next Inversion Delivery to CM. (Nolan) Continued work to integrate and test the preliminary CERES ADM code. (Nolan) Provided Lin Chambers with the SSF Subset description table, type definition and read software. (Nolan) Worked with the SARB subsystem regarding the SSF and CRS HDF code. (Franklin) Began preparing the new CERESlib module, ssf2hdf_params, for delivery. Found and fixed an error. Reviewed code and started documenting latest updates. (Franklin) 	
4.6	Nolan	Combined with above.	
5.0	Coleman	<ul style="list-style-type: none"> Modified code to use Bill Collins's assimilated aerosol climatology. If the results are well received, the next delivery will include the Collins data set. (Coleman, Caldwell) Began rerunning May 1998 using the Collins aerosol. (Coleman) Prepared and tested software that opens either an SSF or a CRS file for use as input into the SARB software. (Coleman, Caldwell) Continued looking into ways to improve the CRS HDF generation software. (Caldwell) 	
7.2	Coleman	Combined with above.	
12.0	Coleman	<ul style="list-style-type: none"> Modifying run script to send e-mail whenever job fails in production. (Caldwell) 	
7.1	Nguyen/Raju	<ul style="list-style-type: none"> No new updates 	

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8.0	Raju/ Nguyen	<ul style="list-style-type: none"> No new updates 	
10.0	Nguyen/ Raju	<ul style="list-style-type: none"> To get ready for delivery, February SFC files on Thunder were tarred and compressed, then copied the compressed file to saisun05 and then ftp'ed the file to Samantha for testing. Some of the zonal SFC files in the compressed file were corrupted. This problem was found during testing. Copied non-corrupted zonal files from Thunder to Samantha and re-tested. Whole month of February works fine on Samantha now. (Nguyen) Updated the SW surface flux model B to read the ocean and land percent for clear-sky case. (Nguyen) Updated the Test plan, the Operator manual to get ready for the delivery. Sent the delivery memo to CM. (Nguyen) Complete reading July and August SSF Subset Edition 1 from archive to compare with the measured surface fluxes. (Nguyen) Complete reading January SSF Edition 1. Reading February SSF Edition1. (Nguyen) The difference in the comparison of SSF and Florianopolis site SW surface fluxes is significant. Studying Florianopolis measured data. Used Florianopolis raw data to plot the time history and to compare with SSF. Found March is the worst comparison. Read global radiation 1 instead of global radiation 2 to plot. The result turned out better. (Nguyen) 	
6.0	Stassi/ Nguyen	<ul style="list-style-type: none"> No updates 	

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9.0	Stassi/ Nguyen	<ul style="list-style-type: none"> • Attempted to run one day (24 hours) of Feb 1998 data with Edition1 SSFs, but reload using daacget stalled after 18 hours of SSF retrieved. Modified script to run with 18 hours so that Tisa Averaging would have some data to evaluate. (Stassi) • Added necessary “END METADATA WRAPPER INFORMATION” message to PCF template files. (Stassi) • Organizing code in CVS repository. Making distinction between version which runs with ValidationR4 SSFs and version which reads Edition1 SSFs. (Stassi) • Hope to be ready for imminent delivery to CM. (Stassi) 	
11.0	Stassi/Fan	<ul style="list-style-type: none"> • Added “END METADATA WRAPPER INFORMATION” message to PCF template files. (Stassi) • Preparing test output for delivery. (Stassi) • Rewriting Test Plan and Operator’s Guide to include necessary cloud information. (Stassi) • Delivery to CM delayed until after installation of Toolkit version TK5.2.7 on samantha. (Stassi) 	
CERESlib Stassi/Ayers		<ul style="list-style-type: none"> • Delivery to CM delayed until after installation of Toolkit version TK5.2.7 on samantha. (Stassi) • Tested for erroneous warning message on the latest version of the SGI F90 compiler, version 7.3.1.2m, loaded on blizzard. No difference from previous version of the compiler. Messages are still there. (Stassi) 	
IST	Flug	<ul style="list-style-type: none"> • No new updates. 	