

Table 1: December 20, 2000 - CM Status

SS No.	SS Lead	Status	Problems
CM	Ayers	<ul style="list-style-type: none">• SCCRs submitted since last DMTM: 235; SCCRs updated since last DMTM: None; SCCRs to be reviewed for approval (Subsystems 1-4): 235 (see following page). (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)• Initiated work to have an email sent out when an SCCR is approved, disapproved, or closed. (Franklin)	

CERES System Configuration Change Request Submittal

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Subsystem: Inversion SCCR Date & TIME: 2000-12-08 10:10:50 SCCR No.: 235

Description of Change (Science):

Delivery of a New PGE, CER4.5-6.2P1, which reads all hourly binary SSF files for a selected day. The PGE selects every third footprint plus all footprints which a viewing zenith angle greater than 45 degrees. (Any footprint with a non-default total radiance value greater than 654 is rejected.) The selected footprints are then subsetted to include a reduced number of SSF parameters. The subsetted footprints are then packed and written to the appropriate daytime or nighttime SSF daily subset file.

Reason for Change (Science):

Creation of new daily SSF Subset Products

Description of Change (non-Science):

N/A

Reason for Change (non-Science):

N/A

Estimated Man Power: N/A

Schedule : Delivery of new PGE package to CM on 12-22-2000

Impact : N/A

Originator: NOLAN, SANDY K. (SAIC)

Table 2: December 20, 2000 - Subsystem Status

SS No.	SS Lead	Status	Problems
1.0	Cooper/ Escuadra	<ul style="list-style-type: none">• Continuing analysis of the TRMM/Terra data. (Hess, Spence)• Continuing analysis of TRMM stow data for March and April. (Spence)• Continuing work on post-processor to read a TRMM BDS and correct the radiances for crosstalk. (Szewczyk)• Began 3-channel intercomparisons for the Edition1 Terra data in preparation for the January CERES Science Team Mtg. (Spence)• Continuing work to add the ability to have Solar Geometry data on the BDSSs. (Escuadra)• Continuing work to maintain/update the CERES Terra Available Data spreadsheets and web pages. (Cooper)• Aqua MOSS tests were completed. Due to AC problems in the server room in 1250 the Aqua code was moved to the /ENG/CERES area on samantha and run there. All tests were successful and ran without any problems. We are still using converted Terra data and not “real” Aqua data for these tests, so the code cannot yet be transferred to the DAAC for processing Aqua data. Questions on packet size still remain unanswered. (Cooper)• Completed work to add a SS1 packet counter in the SS1 subsystem to fix a problem which occurred during processing of Terra data. The packet counter within the packet apparently had a bit-flip problem and caused the SS1 code to change the packet time on the packet, which later caused the system to end with a fatal error. (Cooper)• Terra Moon View rehearsals were run and the data is being looked at to determine if we really saw the Moon in the FOV. (Weaver)• Continued TRMM/Terra operations/analysis support. (Weaver)	

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2.0	Kizer	<ul style="list-style-type: none">Continuing to look at processing ERBE data run through the CERES ERBE-like Subsystem. Ran 19841109 ERBS data through ERBE-reprocessing code and compared QC report data to that produced during ERBE-reprocessing to verify input data and software. Modifying CERES inversion code to reproduce 19841109 ERBS data. (Kizer)Examining the 'production' email generated by the QC checker software. Adjusted parameters and code to reduce the number of these emails in preparation for the next delivery. (Walikainen)Created a Word Macro that finds known acronyms in our monthly status report. It creates an alphabetically sorted acronym list at the bottom of the report. (Walikainen)Continuing to modifying existing IDL plotting software to map and plot ES4 and ES9 HDF data files. (Kizer)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">• Received training using QC code to produce summary QC reports. Set up directory to run QC code. Worked with team member on making changes to QC idl code to simplify automation process. (R. Brown)• Tested and validated new and old Toolkit versions for cloud subsystem. (Sun-Mack)• Provided Dr. Jim Coakley 20 CERES-OSU validation hours of CloudVis files, along with README and a reader. Provided Norman with a reader of overhead albedo maps, and locations of the maps for ValidaR5 and Edition1. Assisted Ben Ho with CloudVis reader, CloudVis README and the locations of CloudVis at DAAC. Assisted Dr. Qilong Min with his questions on ARM SGP validation. Monitoring Walt's March 2000 runs and created daily QCs as hourly QCs been produced. (Sun-Mack)• Debugged and tested TISA-cloud night cloud retrieval problem. (Sun-Mack)• From the virs-modis matchups, poor emittance maps were obvious. Pat Minnis wanted to re-calculate emissivity by using virs data instead of avhrr d1 data. (Chen, Sun-Mack)	
4.2	Sun-Mack	Combined with above.	
4.3	Sun-Mack	Combined with above.	

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SS No.	SS Lead	Status	Problems
4.4	Miller	<ul style="list-style-type: none">• Worked with Ms. Hopson, Langley DAAC, on problems during SSIT for Edition1. Monitored Edition1 production of clouds and convolution. Hours 13 through 23 did not process on February 13, 1998. Problem was related to default 10.8 and 11.9 um radiances from VIRS. This continued until February 17 hour 14. PGE4.1-4.2P1 was run for remaining days and hourly processing was restarted on February 17. (Miller)• Modified RenameVIRS C code to read percent bad data from VIRS metadata. Used to determine when to restart production. (Miller)• Reviewed Emails and ASCII Quality Control summaries from production. (Miller)• Processed March 6-31, 2000 TRMM data at the SCF for Dr. Minnis's calibration effort. (Miller)• Postprocessed available 2000 data to get regression statistics. Slopes for 2000 (22 days) are within 1% of 1998 values. Other days are on tape archives that is down. (Miller)• Updated software to use binary QC files for narrowband-broadband regression. Discovered that the data doesn't agree with previous results. The adm type instead of the ERBE land type is being passed. The results can be obtained from the postprocessor used previously. (Miller)• Updated software to create daily binary files. Discovered that "REPLACE" does not work the same as it did under the old compiler. Removed status from open call. Daily files from January 19 through February 18 were created. (Miller)	
4.5	Nolan	<ul style="list-style-type: none">• Continued work on PGE CER4.5-6.2P1. Completed software which create metadata files for the SSF subsets. (Nolan)• Continued modifications to the Inversion Test Plan and Operator's Manual to include PGE CER4.5-6.2P1. (Nolan)• Created February 98 Daytime and Nighttime SSF Subset files from Edition1 SSFs. (Nolan)• Continued creating binary SSFs at the SCF using 2000 TRMM data. (Nolan)	

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4.6	Nolan	Combined with above.	
5.0	Coleman	<ul style="list-style-type: none"> Continued testing the Instantaneous SARB Main-Processor, using the monthly map produced by the new surface albedo pre-processor. (Coleman) 	
7.2	Coleman	Combined with above.	
12.0	Coleman	<ul style="list-style-type: none"> Fixed bugs in subsetting software. Sent new subsetting software to Langley DAAC avoiding the need to redeliver RegridMOA to process current ECMWF data. (Caldwell) Continued working on crs2hdf program. (Caldwell) Produced two days of October 2000 MOA for Qing at SCF. (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 modifying the webplot program to read the new SRBAVG HDF format and to include the clear-sky TOA fluxes for GEO method in the web plot. The monthly and the monthly hourly values in the new formatted SRBAVG HDF were not written correctly into the SRBAVG. Correcting the problem. Studied the time history plots for extended facilities beside Central Facility. Threw out data for the cloudy times. Replotted the comparison of SSF and SW surface fluxes for all the ARM sites. 	
6.0	Stassi/ Nguyen	<ul style="list-style-type: none"> Attempting to make FSWs for a couple of days in February 1998 so that Raja can run comparisons of VIRS & GGEO cloud properties using code similar to what was used to get the calibrations. (Stassi) 	
9.0	Stassi/ Nguyen	<ul style="list-style-type: none"> Working on running jobs to create some SFC data for Feb and April 1998. This is just to test the system. (Stassi) 	

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11.0	Stassi/Fan	<ul style="list-style-type: none">• Sunny fixed the Clouds subsystem code to give nighttime cloud retrieval. Reran the METEOSAT data for Feb 1998 for testing. Dave Young and Pat Heck are checking the output. (Sun-Mack, Stassi)• Corrected the calculation of Total Cloud Temperature and Total Optical Depth values which were being used in the GGEO plots. (Stassi)• There is still no resolution to the lib-4211 SGI F90 compiler error. Recent changes to the GGEO and Cloud subsystem code has caused the error to go into hibernation again. Tests suggest that in GGEO, if INQUIRE statements show that the file record size agrees with the record size of the output being written to it, then the error can just be ignored. The code has been modified to do this. (Stassi)	
CERESlib Stassi/Ayers		<ul style="list-style-type: none">• No updates	
IST	Flug	<ul style="list-style-type: none">• No new updates	