

Table 1: November 21, 2001 - System Issues and Status

Activity	Lead	Status
Processing Strategy	Geier	<p>As of 11/19/01</p> <p>Active processing requests in order of priority are:</p> <ul style="list-style-type: none"> • TRMM Edition2-VIRSonly for Sept '98 through July '01 (SCCR# 302) <p>Processing requests expected to be active within 3 weeks are:</p> <ul style="list-style-type: none"> • TRMM Beta2 FSW (waiting TISA gridding delivery, SCCR# 298) • Terra Beta2 SSF, CRS, and FSW for April and May 2001 (waiting on Cloud, SARB, and TISA gridding deliveries, SCCR# 305/310, SCCR# ???, and SCCR# 308/309) <p>Simmering Issues:</p> <ul style="list-style-type: none"> • ECMWF MOA vs. DAO MOA • Incorporating MODIS aerosols (10 km and gridded) into CERES Terra products • Terra Instrument and ERBElke processing including gain correction, daily spectral response/correction files, and generating baseline and Edition2 output products. • TISA averaging scenario to include intercalibration between geostationary satellites and imager and rerunning GGEO using recalibrated input coefficients and turning on cloud code. Will a TRMM Beta3 SFC run be needed to support TRMM TISA processing?

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Activity	Lead	Status
CM	Ayers	<ul style="list-style-type: none">• 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)• Released the Inversion delta delivery (SCCR 307) to the ASDC. (Ayers)• Currently testing Instrument (SCCR 306) and Clouds (SCCR 310). (Ayers)• Expecting Clouds (SCCR 307), CERESlib, and TISA Gridding (SCCR 309) deliveries soon. (Ayers)• Completed work to add a comments field to the Close option. (Franklin)• Completed work to modify the cm_stats.csh script to put the 'PCF*template' files in the 'SMF/PCF' category instead of the 'Ancillary Data' category. Also, changed the category of the MCF_* and mcf_* files to be MCF files. These were counted as MCF files correctly, but listed in the output file incorrectly. Changed the PGS_* files to be SMF/PCF files instead of 'Unknown' files. (Franklin)• Continued work to add a comments field to the Approve/Disapprove option. (Franklin)• Updated and posted a new Delivery Schedule on the CERES Configuration Management Schedules Web page (http://earth-www.larc.nasa.gov/cerescm/schedules/). (Ayers, Franklin)

Table 2: SCCR Activity November 5 at 4:55pm - November 19 at 12:00pm

SCCR	S	U	A	C	D	SS	Page No.	Comments
298				X		6.0 & 9.0		
305		X	X			4.1 - 4.4		
306			X			1.0		
307	X		X	X		4.5 & 4.6	4	
308	X		X			6.0 & 9.0		CERESlib updates
309	X		X			6.0 & 9.0		
310	X		X			4.1 - 4.4	5	

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

CERES Software Configuration Change Request Submittal

Subsystem: Inversion SCCR Date & TIME: 2001-11-12 12:00:10 SCCR No.: 307

Description of Change (Science):
n/a

Reason for Change (Science):
n/a

Description of Change (non-Science):
Modified PCF generator, pcfgen_4.5-6.1P1.csh, to correct next day MOA file name error that occurred only for hours >18 on Sept. 30

Reason for Change (non-Science):
To Correct Sept. 30 PCF files

Est. Time to Complete Changes: completed

Planned Delivery Date : 11/13/3001

Impact : Virs-only CER4.5-6.1P1 jobs for 09-30-2001 hours 19-23 need to be rerun with new PCFs

Originator: NOLAN, SANDY K. (SAIC)

CERES Software Configuration Change Request Submittal

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Subsystem: Clouds SCCR Date & TIME: 2001-11-16 11:31:30 SCCR No.: 310

Description of Change (Science):
None

Reason for Change (Science):
None

Description of Change (non-Science):
1. Update Daily QC script

Reason for Change (non-Science):
1. To correct filenames in .met file in the Daily QC: EQCDB and EQCDS.

Est. Time to Complete Changes: Done
Planned Delivery Date : 11/16/01
Impact : Clouds

Originator: BROWN, RICKY R. (SAIC)

Table 3: November 21, 2001 - Subsystem Status

SS No.	SS Lead	Status	Problems
1.0	Cooper/ Escuadra	<ul style="list-style-type: none"> Continued working with Martial in preparation to take over the intercalibration studies. (Szewczyk) Continued work on the program to create the BDSIs. Working on Ada read routines for the Vdatas in support of the Gain history file creation program. (Escuadra) Supplied necessary information to Jim Donaldson for the creation of a program that puts the BCU test data into Level-0 file format, so it can be run through the SS1 subsystem to make data analysis easier. (Cooper, Hess) Continuing work on the Three Channel Intercomparison automation to aid in determining gains and spectral correction information in a more timely manor. (Spence) Continue work tracking CERES Terra data arrival at ASDC. (Cooper) Delivered the SS1 subsystem updates to CERES CM in support of the Aqua Mission Test 2. The dry-run test data had some problems with the ephemeris and attitude data that caused the subsystem to fail. Tracked down where the error occurred and added a fix to the subsystem code to allow the data to be processed. CER1.2P1 was not going to be delivered, however, a change was needed in the ASCII input and PCF file generators to support the new Aqua Noon to Noon ephemeris format. The delivery was changed to a full-up delivery. (Cooper) 	

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2.0	Kizer	<ul style="list-style-type: none">• Efforts continued to conform the Spectral Correction Coefficient (SCCs) generation software to production coding rules. The SCC file was modified to include the Spectral Response Functions (SRFs). (Walikainen, Kizer)• Added the SRFs to the Binary ES-8. Modifying the ES-8 HDF conversion code to add the SRFs to the ES-8 HDF file. Code will be added to cereslib to assist SSF and CRS HDF file generation. (Kizer)• Modifications continued on test version of SS2 and SS3 software to produce the ES-9 and ES-4 data products on the CERES 1-deg grid. (Kizer)• Continuing to determine a systematic approach to validating ES-8 & ES-4 gif files. Developing off-line code to characterize and validate geo-located radiances. Found bit flips not flagged during “3 Channel Consistency Check” in Subsystem 2.0 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">Continued working on producing web images for Edition 2 data. Modifying the QC batch process to use idl script instead of perl script. Updated all off-line QC code to use a more meaningful definition of totalpixel in the calculation of the cloud fraction. (R.Brown)Worked on the Cloud Delivery for SCCR#305 and #310. (R.Brown, Sun-Mack)Worked with Dave Duda on MODIS overpasses over Scotland and Tierra del Fuego from mid March to mid April, 2001. This included: ran and validated all the overpasses, put the images on the web, wrote a CloudVis reader and a README file for Dave Duda... (Sun-Mack)Worked with Bob Arduni, on corrk validation: to calculate the brightness temperature difference for 3.7um between MODIS and VIRS. This was done under tropical atmosphere, Tskin = 300, and nighttime. Our results agree with Bob's at the nadir, but the discrepancies increases as vza increases. (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">Investigated TRMM VIRSonly clouds production problems. Two hours had problems due to the TRMM pitch-up maneuver. Some were caused by input data problems. (Miller)Created daily binary QC files for TRMM VIRSonly SSFs for September and October, 1998. (Miller)Monitored VIRSonly production including using DX to review hourly files. (Miller)	

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SS No.	SS Lead	Status	Problems
4.5	Nolan	<ul style="list-style-type: none"> Updated PCF generator for PGE CER4.5-6.1P1 to correct an error in a MOA file name that only occurred for September 30 data hours 19-23. A delta delivery was made on November 12, 2001. (Nolan) Created a preliminary SSF Nadir product consisting of ASCII output in the format of an existing ERBE-like Nadir product. It was decided by Kory Priestley and Erika Geier that this format will not be used. The SSF Nadir product will be in HDF. (Hoppe and Nolan) Began work on creating a temporary Nadir SSF binary file that will be used as input to existing software to create SSF HDF Nadir product. (Hoppe) 	
4.6	Nolan	Combined with above.	
5.0	Coleman	<ul style="list-style-type: none"> Produced plots of the CRS QC Report statistics for the TRMM Beta2 data set to assist Tom Charlock and Fred Rose in their evaluation of Beta2 results. (Caldwell) Removed more variables no longer necessary in the SARB code and successfully compared results against a baseline. (Caldwell) Began development of a module to ingest Z. Jin's ocean surface spectral albedo data file. (Caldwell) Continuing development of a version of the code that will generate a diagnostic version of the CRS file over a small subset of FOVs. In addition to the data currently written to the CRS, this version will contain fluxes at all levels produced for each cloud layer. Ultimately, this version will replace current version, and the what is written to the output file will be managed by flags. (Coleman) 	
7.2	Coleman	Combined with above.	
12.0	Coleman	<ul style="list-style-type: none"> Worked with the Nicole at ASDC to stage eight months of ECMWF data received at Langley but not used by CERES to assist Alice Fan. (Caldwell) 	
7.1	Nguyen	<ul style="list-style-type: none"> No new updates. 	
8.0	Nguyen	<ul style="list-style-type: none"> No new updates. 	

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10.0	Nguyen	<ul style="list-style-type: none"> Continue adding the new methods of computing SW TOA flux using the new SW ADMs. (Nguyen) 	
6.0	Raju	<ul style="list-style-type: none"> Traced the cause for the 1998010100 and 1998020100 failed jobs during DAAC testing, to negative day, hour values in SZA calculations. The negative values which indicate as the last day of the previous month for some regions are handled correctly in Subsystem 9 (processed in local hour), but not in Subsystem 6 (processed in GMT hour). Corrected the error and tested. (Raju) Preparing for the subsystem delivery to CM. (Raju) 	
9.0	Raju	<ul style="list-style-type: none"> Continue to investigate the cause for the 19980314, 19980315 failed jobs during the production. (Raju) Modified code to check readin clear footprint area value for CERES default which is a valid value starting with Edition2 SSF. (Raju) Preparing for the subsystem delivery to CM. (Raju) 	
11.0	Stassi	<ul style="list-style-type: none"> Completed restructuring of IDL plot programs using subroutines instead of repeated sequences of code. (Stassi) Modified start-up, run, and clean scripts to reflect the new two-pass processing, including new PGE names, new environment variables, and the appropriate use of runtime parameters depending on whether it is the first or second pass. (Stassi) Continuing update of the GGEO Operator's Manual. (Stassi) 	
CERESlib Stassi/Ayers		<ul style="list-style-type: none"> Updated test version of CERESlib with modified Tisa Gridding modules. (Raju, Stassi) 	