

Table 1: December 5, 2001 - System Issues and Status

Activity	Lead	Status
Processing Strategy	Geier	<p>As of 12/5/01</p> <p>Active processing requests in order of priority are:</p> <ul style="list-style-type: none"> • Terra Beta2-overCLAMS SSF for July 2001 to start at any time PR 70-01 & 71-01) • Terra Beta2 SSF for Apr/May '01, Nov/Dec '00 to start at any time PR 46-01, 47-01, 67-01, 68-01) • TRMM Edition2-VIRSonly SSFs for Sept '98 through July '01 on going (PR 43-01, 44-01) <p>Processing requests expected to be active within 3 weeks are:</p> <ul style="list-style-type: none"> • TRMM Beta2 FSW (waiting TISA gridding through CM, SCCR# 308/309) • Terra Beta2 CRS, and FSW for Apr/May '01, Nov/Dec '00 (waiting on SARB, and TISA gridding deliveries, SCCR# ???, and SCCR# 308/309) • Terra Beta2-overCLAMs CRS for July 2001 (waiting on SARB SCCR# ???) <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. Looks like there may be 9 MODIS aerosol parameters on SSF and which values are recorded would depend on whether FOV is over land or ocean. SSF for TRMM will differ from that of Terra. Issues to resolve include documentation, multiple typedefs, affects on subsystems that follow. • 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. No TRMM Beta3 SFC run is needed to generate TRMM Beta3 SRBAVG. Only Feb '98 TRMM Beta3 SRBAVG will be run initially.

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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) • Tested and released Clouds (SCCRs 305 & 310) and Instrument (SCCR 306) to the ASDC. (Ayers) • Currently testing TISA Gridding (SCCR 309). (Ayers) • Continued work to add a comments field to the SCCR Approve/Disapprove option. (Franklin) • Modified the cm_stats script to categorize all files containing '*mcf*template*', in upper or lower case, as MCF files instead of 'TEMPLATE (Anc. Data)' files. (Franklin) • Reviewed the output from the cm_stats script to verify the script is working properly. (Franklin)

Table 2: SCCR Activity November 19 at 12:00pm - December 3 at 1:00pm

SCCR	S	U	A	C	D	SS	Page No.	Comments
305		X		X		4.1-4.4		
306				X		1.0		
308		X			X	6.0 & 9.0		CERESlib updates.
310				X		4.1-4.4		
311	X		X			11.0		
312	X		X			12.0		CERESlib updates.

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

Table 3: December 5, 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. Updating program to production standards. (Escuadra) Continued working with Jim Donaldson on his effort to create a Level-0 file from BCU data. Jim is working on creating the construction record file necessary for the data to be read using the ToolKit. (Cooper) Continuing work on the Three Channel Intercomparison. (Spence) Continue work tracking CERES Terra data arrival at ASDC. Aqua Mission Test 2 data has been received at ASDC, the data will be run through production using the newly delivered SS1 code. (Cooper) Worked with ASDC personnel (Vertley Hopson and Lisa Link) to determine the failure of the Pre-ES8 input file generator for Aqua, which occurred during operational testing. A solution to the problem was developed. The problem cannot be replicated on thunder or samantha when not running with the operational scripts. The problem has occurred before in CM testing, however, it was cleared up by starting a new session on samantha, this was not the case during operational testing. (Cooper) 	

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SS No.	SS Lead	Status	Problems
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). Additional modifications made to calculate interpolation dates in pcf generator script. (Walikainen, 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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4.1	Sun-Mack	<ul style="list-style-type: none">Continued to work on processing images for Edition2 CloudVis data (Non ARM site regions).Also worked on writing scripts for web to produce new format for viewing CloudVis images. (R.Brown)Worked on Delivery for SCCR#305 and #310. Modified script used in tarring files for delivery. (R.Brown)Received and implemented new cloud phase algorithm into the production code. (Sun-Mack)Ran CERES/MODIS intercomparison cases (ARM SGP 200103) with new 3.7 um brightness temperature calibration. Validated the results and posted the results on the web. (Sun-Mack)Ran MODIS data CLAMS overpasses on SCF from July 9, 2001 to Aug 4, 2001 for Tom Charlock. SSFs were produced and passed on to Sandy. (Sun-Mack)Worked on comparison of clear sky brightness temperatures for 3.7 um with modis-corrk and virs-corrk respectively, requested by Pat Minnis. (Sun-Mack)Investigated ASDC VIROnly failure: 1998090100 (4.1 ran ok and 4.4 failed). Also investigated ASDC VIROnly failures: hours 1-5 failed on 19981229 and 19990126. (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"> Investigated TRMM VIRSonly clouds production problems. Two days had problems with interpolation. Both days only had ECMWF MOA data for hours 00 and 06. The other problem occurred on the last 5 hours of 1998. Both were turned over to MOA. (Miller) Created daily binary QC files for TRMM VIRSonly SSFs for November and December, 1998 and January and February, 1999. (Miller) Monitored VIRSonly production including using DX to review hourly files. (Miller) Determined that a striping problem in Terra Beta1 clear aerosol optical thickness identified by Mr. Rose, AS&M, was due to passing the CERES relative azimuth instead of the imager's. (Miller) Modified the second generation Stowe aerosol code to run as a stand-alone module for Dr. Loeb. A README file and example driver were provided. (Miller) Investigated processing problem for TRMM VIRSonly on 1998090100. It was tracked to NaN being passed as the TRMM momentum vector on the simulated IES. (Miller) 	
4.5	Nolan	<ul style="list-style-type: none"> Reinitiated work on the SSF HDF read/write module. (Franklin) Became familiar with metadata. Modified the PCF generator to create metadata in the subsetting processor. (Hoppe) Continued working 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"> Incorporating Z. Jin's ocean surface albedo look up table. (Caldwell) Continuing to work on version of subsystem that will have the flexibility to output various sets of data, based on the definition of a control flag. (Coleman) 	
7.2	Coleman	Combined with above.	

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12.0	Coleman	<ul style="list-style-type: none"> Investigated the Clouds MOA-based error messages for days in December 1998. One error was caused by an error in MOA_IO, which has been fixed, delivered to CERESlib, and is scheduled for a CM delivery on Dec. 14. The other errors appear to be caused by corrupted DAO input data. The push for the Clouds output data is not urgent, therefore these days will not be processed. (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. 	
10.0	Nguyen	<ul style="list-style-type: none"> No new updates. 	
6.0	Raju	<ul style="list-style-type: none"> Subsystem 6 was delivered to CERES CM. Test Plan document was corrected and sent to CM. (Raju). 	
9.0	Raju	Combined with above.	
11.0	Stassi	<ul style="list-style-type: none"> Separated the narrowband Fortran and IDL code into two sets of code for new PGEs CER11.3P1 and CER11.4P1. (Stassi) Completed 35-page preliminary Delivery memo outlining details of five modified PGEs and eight new PGEs. (Stassi) Modified IDL plot programs to put VIRS and GGEO zonal cloud averages on same plot and to put similar plots for day, night, and total on the same page. (Raju) Modifying Fortran and IDL code to add “instantaneous” plots for regionally averaged cloud parameter correlations between GGEO and VIRS data. (Raju) 	
CERESlib Stassi/Ayers		<ul style="list-style-type: none"> Updated the SCF versions of CERESlib with a modified version of the moa_io_read.f90 module. (Caldwell, Stassi, Ayers) 	