

Table 1: January 3, 2001 - CM Status

SS No.	SS Lead	Status	Problems
CM	Ayers	<ul style="list-style-type: none">• SCCRs submitted since last DMTM: 236; SCCRs updated since last DMTM: None; SCCRs to be reviewed for approval (Subsystems 1-4): 236 (see following page). (Ayers)	

CERES System Configuration Change Request Submittal

=====

Subsystem: ERBEl like SCCR Date & TIME: 2000-12-28 17:06:00 SCCR No.: 236

Description of Change (Science):
N/A

Reason for Change (Science):
N/A

Description of Change (non-Science):
CER2.2P1

1) Produce a NEW daily ES-8 Nadir archival product. The file would then be copied to the ERBE-like Web directory in the same manner as the daily QC files for viewing and downloading from the web. The file would be in binary format containing a subset of the parameters that are written to the ES-8 for the nadir scans only. The 15 parameters written to the nadir product file are:

Julian time, Colatitude @ TOA, Longitude @ TOA,
TOT filtered radiance, SW filtered radiance,
WN filtered radiance, Viewing zenith at TOA,
Solar zenith at TOA, Relative azimuth at TOA,
SW unfiltered radiance, LW unfiltered radiance,
WN unfiltered radiance, SW TOA flux, LW TOA flux,
and the Scene ID.

Reason for Change (non-Science):
CER2.2P1

1) Requested by Dr. Kory Priestly (RAB).
Many calibration efforts for CERES involve analyzing only the nadir science measurements. The files, at most 0.838 MB, are much smaller and easier to manage than the ES8 files.

Estimated Man Power: 2 weeks to implement/test the software and Web interface.

Schedule : N/A

Impact : Addition of ONE archival product, documentation changes will also be needed.

Originator: KIZER, EDWARD A. (SAIC)

Table 2: January 3, 2001 - Subsystem Status

SS No.	SS Lead	Status	Problems
1.0	Cooper/ Escuadra	<ul style="list-style-type: none"> No new updates. 	
2.0	Kizer	<ul style="list-style-type: none"> SCCR to produce ES8 Nadir product was submitted for approval. Received ES8 Nadir code from Erika Geier. Began incorporating ES8 Nadir code into ERBE-like inversion production software to produce binary file. Discussed with Beth to make Nadir file viewable via the web and a download option in ascii or binary format. (Kizer) Spectral Correction Coefficient software is being examined for code familiarity and possible ways to reduce cpu runtime. Several steps in the software were automated. (Walikainen) Continuing to examine 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) Continuing to modify 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.	

Table 2: January 3, 2001 - Subsystem Status

SS No.	SS Lead	Status	Problems
4.1	Sun-Mack	<ul style="list-style-type: none"> • Processed SCOOL data for October and November 2000 on SCF. (R. Brown) • Modified automation QC scripts and idl code. Produced Edition1 January 1998 monthly QC with the modified scripts and idl, and posted the results on the web. (R. Brown, Gibson) • Worked on DX batch version. Great progress has been made. (Gibson, Sun-Mack) • Significant time was spent on validating scatterplots of DX. Whether DX produces correct scatterplots has been a question for a long time. The main concern was what scatterplot does when x axis is MAXFLOAT and y axis is not, or vice versa. Did many tests with/without MAXFLOAT, assigned MAXFLOAT to zero, ran an independent scatterplot (using xmgr)... Confirmed that DX scatterplots are ok except some cases where DX has some technical problems to produce scatterplots. (Sun-Mack). • Walt was running March 2000 on SCF. Monitoring the cloud retrieval hourly QCs as they were produced and created daily QCs from hourly QCs. (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. Determined a spacecraft shut-down on April 25, hour 2 through recovery on April 26, hour 21 prevented SSFIs from being produced. (Miller) • Reviewed Emails and ASCII Quality Control summaries from production. (Miller) • Produced Daily Binary Quality Control files for February 19, 1998 to April 17, 1998. (Miller) • Processed March 1998 through Narrowband-Broadband regression postprocessor. (Miller) • Provided input to the production of simulated IES. (Miller) • Investigated the overlap variable placed on the SSF. It was that convolution checked for the wrong flag. (Miller) 	

Table 2: January 3, 2001 - Subsystem Status

SS No.	SS Lead	Status	Problems
4.5	Nolan	<ul style="list-style-type: none"> Completed testing of SSF subsetting software and delivered PGE CER4.5-6.2P1 software package to CERES CM on December 21, 2000. (Nolan and Franklin) Created all of March 1998 and part of April 1998 Daytime and Nighttime SSF Subset files from Edition1 SSFs. (Nolan) 	
4.6	Nolan	Combined with above.	
5.0	Coleman	<ul style="list-style-type: none"> Continued testing the Main-Processor, using the results of the Surface Albedo Pre-Processor. Except for high elevation FOVs with snow, the results look good. After many diagnostic runs, Fred believes he understands the problem and is conferring with Tom Charlock to find a resolution. (Coleman) Gearing up to process a full day through the SARB. Processed March 1998 Edition SSFs through the Surface Albedo Pre-Processor and generated the necessary PCFs. These data will be processed when the above-mentioned "snow problem" is resolved. (Coleman) Began updating the Operator's Manual. (Coleman) Continuing to update the CRS HDF conversion code to include VGrouping, in keeping with SSF tradition. (Caldwell) 	
7.2	Coleman	Combined with above.	
12.0	Coleman	<ul style="list-style-type: none"> No new updates. 	
7.1	Nguyen/Raju	<ul style="list-style-type: none"> No new updates 	
8.0	Raju/Nguyen	<ul style="list-style-type: none"> Started updating ss8 product write routines to write correct monthly and monthly-hourly values onto AVG/ZAVG HDF products. (Raju) 	

Table 2: January 3, 2001 - Subsystem Status

SS No.	SS Lead	Status	Problems
10.0	Nguyen/Raju	<ul style="list-style-type: none"> Originally the average for the LW surface flux is the linear average. Changing to average for the days with the CERES measurements only. (Nguyen) Studied Pawhuska, LeRoy, and Cyril sites to find the causes of the days where the SSF surface fluxes are lower than the surface measured fluxes. The main reason is the cloudy days and the reflection of the sun light at an angle which caused the difference in the SSF and measured surface flux comparison. (Nguyen) Found the reason why monthly and monthly-hourly values were not written correctly onto SRBAVG HDF product. Code has been updated in several routines to fix the problem. Ran ss10 process to generate SRBAVG HDF product and compared and validated the data with generated qc reports. (Raju) 	
6.0	Stassi/Nguyen	<ul style="list-style-type: none"> Using Nichele's conversion program to create CRS files from SSF files in order to run validation jobs to create FSWs. (Stassi) 	
9.0	Stassi/Nguyen	<ul style="list-style-type: none"> No updates. 	
11.0	Stassi/Fan	<ul style="list-style-type: none"> Added a module to handle the intercomparison recalibration coefficients and offsets for the GEO input data. Ran the month of February 1998 twice, once with recalibration and once without. The data plots seem to suggest a slight improvement in the data, but data discontinuities between the satellites persist. Also, the recalibration has introduced negative visible radiance values at night. (Stassi) 	
CERESlib Stassi/Ayers		<ul style="list-style-type: none"> Added a subroutine, Get_1Deg_Surfmap(), to the surfmap_io.f90 module for accessing surface maps on a 1-degree grid rather than a 10-minute grid. (Stassi) 	
IST	Flug	<ul style="list-style-type: none"> No updates. 	