

**Table 1: October 27, 1999 - Subsystem Status.**

SS No.	SS Lead	Status	Problems
1.0	Escuadra /Cooper	<ul style="list-style-type: none"><li>• Continue updates to software for Terra launch. Informal delivery of the subsystem to the DAAC complete. (Anselmo, Cooper, Escuadra, Hess)</li><li>• HDF compare program updates complete, working on compare program for Pre-ES8. (Szewczyk)</li><li>• Continue supporting analysis of TRMM data. (Spence)</li><li>• Continue operational support for TRMM and Terra. (Weaver)</li></ul>	

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2.0	Nolan	<ul style="list-style-type: none"><li>• Completed the draft Subsystem 2 Operator's Manual and Subsystem 2 portion of ERBE-like Test Plan, which include a reduction in the number of Subsystem 2 PGEs and new test plans for PGEs, CER2.3P1 and CER2.3P2. (Nolan)</li><li>• Completed testing Subsystem 2 PGEs using the new version of the Test Plan. (Nolan and Bolduc)</li><li>• Completed work to create an EID-6 comparison program for CM/DAAC testing. Also edited the README file to include the EID6 compare program. (Bolduc)</li><li>• Finished software used to format the output for the 5 record listings. (Bolduc)</li><li>• Modified the read software for the HDF-EOS ES-8 to get the number of records from the HDF file so it doesn't have to be hard coded in the test file. Ran the program on the 5 record sample ES-8 and compared the output with that of the 5 record file dump. (Bolduc)</li><li>• Started looking at the WebWinds software package. Sent samples of both the es8 and es4 to the creators of WebWinds and received an e-mail saying that they were going to try to fix their program to handle those files. (Bolduc)</li><li>• Initiated work to test adding attributes to ES-8 HDF-EOS Swath. (Bolduc and Nolan)</li><li>• Completed ES-8 input for CERES QA Plan. Also generated ES-8 browse product gif files. (Nolan)</li><li>• Added the SDS/Vdata read program to the software repository on the ERBE-like subsystems Web site (<a href="http://earth-www.larc.nasa.gov/erbelike">http://earth-www.larc.nasa.gov/erbelike</a>). (Flug)</li></ul>	

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3.0	Kizer	<ul style="list-style-type: none"><li>Continued with updating code by converting the include files and common blocks from scnlib and tsalib libraries into modules for subsystem 3. (Halvorson)</li><li>Began investigating possible problems/ inconsistencies in the new ES-9 and ES-4 HDF products as pointed out by Jim Kibler. (Halvorson)</li><li>Completed and tested the updated ES-9 binary to HDF conversion software to mimic the ES-4 HDF file layout. (Halvorson)</li><li>Began work on a sample ES-9 and ES-4 HDF file and the associated read code for the delivery to the DAAC. (Halvorson)</li><li>Tested and verified ES-4 Web products for the scheduled delivery of ERBE-Like software. (Liu, Kizer)</li><li>Delivered the ERBE-Like Subsystem software to CM for scheduled "Informal Delivery". (Kizer)</li><li>Completed and delivered the Subsystem 3.0 Operator's Manual for evaluation. (Kizer)</li><li>Completed and delivered the ERBE-Like Test Plan for evaluation. (Kizer)</li></ul>	

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4.1	Murray	<ul style="list-style-type: none"><li>• Using latest version of Cady's idl code was able to produce expected data image through the web and change parameters to alter image. Added more data files to the IDL/Web Interface. (R. Brown)</li><li>• Worked on ordering and evaluating MOSS3 Data ordering system. (R. Brown)</li><li>• Worked to produce data for 1.6 um channel calibration effort. Computed 1.6 / 0.65 reflectance ratio and bidirectional reflectance correction for OK ARM site for Aug 98. Provided algorithm inputs for OK ARM for Aug. 98 to Dave Young. Binned the results on 0.5 degree grid. (Sun-Mack)</li><li>• For further study, worked to provide images and examples of 30+ overpasses that contain known problems. (Sun-Mack)</li><li>• Developed a false-color IR image using derived clear-sky information rather than the observed values. (Sun-Mack)</li><li>• Identified and removed a problem with the Subset CloudVis Region Selection algorithm. Algorithm assumed a left to right scan relative to the satellite track, which with VIRS was not always the case. (Murray)</li><li>• Working with Alice Fan to develop a Cloud library for GGEO, made some compilation modifications to the Cloud code to take advantage of libraries and common modules. (Murray)</li><li>• Integrated the new MOA modules into the Cloud production code. Currently, it seems to handle the DAO data with no problems. Continuing to investigate the ECMWF data. (Murray)</li><li>• Visited the DAAC to observe their procedures for processing Clouds/Convolution. (Murray)</li></ul>	
4.2	Murray	Combined with above.	
4.3	Murray	Combined with above.	

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4.4	Miller	<ul style="list-style-type: none"><li>• Reviewed Mr. Richard Green's summary on one pixel per grid box sampling. (Miller)</li><li>• Monitored DAAC processing of July and August, 1998. No hours failed in July. One in August. There were no IES for the last 12 hours on the 31st. (Miller)</li><li>• Completed post processing for June through August 1998. (Miller)</li><li>• Corrected code changes to convolution that were designed to handle cookie dough files smaller than the 500 line buffer for errors discovered in testing. This prevented cross-track hours from processing. (Miller)</li><li>• Settled on using the Beta angle to determine spacecraft orientation to determine which side of scan to start search. No noticeable change in timing for correct case, Approximately 10 percent improvement in others. (Miller)</li><li>• Developed Terra processing strategy with the DAAC. (Miller)</li><li>• Prepared CERES vs. VIRS regression graphics for Jan-Aug 98 and posted on web. (Miller)</li><li>• Prepared additional graphics for Drs. Minnis and Young for the VIRS Calibration Conference. (Miller)</li><li>• Processed eight hours of SSF data in new-format requested by TISA gridding for their test case. (Miller)</li><li>• Changed GRing logic to handle the no footprint case correctly. (Miller)</li></ul>	

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4.5	Nolan	<ul style="list-style-type: none"><li>Completed Subsetted SSFs for all eight months and archived all subsetted SSFs on tape_archive. (Nolan)</li><li>Modified the PCF generator to add the ECMWF-based MOA files as input and to modify the temporary file names to include the instrument name on the filenames. (Franklin)</li><li>Modified the execution script to remove the MCFwrite temporary file after PGE execution. (Franklin)</li><li>Modified the Inversion test plan to combine all compilation scripts, to add scripts to make testing easier, and to add the new ECMWF-based MOA input files. (Franklin)</li><li>Continued work to update the sample read software package for the upcoming delivery. (Franklin)</li><li>Modified the Inversion code to call the new MOA wrappers for opening, reading, and closing the new ECMWF-based MOA files. (Franklin)</li></ul>	
4.6	Nolan	Combined with above.	
5.0	Coleman	<ul style="list-style-type: none"><li>Delivered two modules, along with their associated README files, associated with the CERES validation region lists to CERESlib. (Coleman)</li><li>Reviewing CRS and SYN difs for Data Products Catalog. (Coleman)</li></ul>	
7.2	Coleman	Combined with above.	

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12.0	Coleman	<ul style="list-style-type: none"> <li>• Sent RegridMOA delivery memo to CERES CM on October 15. (Caldwell)</li> <li>• Continued making changes to MOA Test Plan and Operators Manual. (Caldwell, Coleman)</li> <li>• Produced DAO-GEOS2 MOA for June 15 to July 20 to as per a request by Sunny-Sun Mack for summer '99 MOAs. (Caldwell)</li> <li>• Provided Doug Spangenberg with DAO-GEOS2 for requested times in May and June of 1998. (Caldwell)</li> <li>• Began tarring and g-zipping RegridMOA software for testing. Requested account on Samantha for pre-delivery testing. (Caldwell)</li> <li>• Updated moa_io.README to correspond to modified moa_io.f90 for inclusion with upcoming 10/29/99 CERESlib delivery. (Coleman)</li> <li>• Distributed modified moa_io.f90, along with draft of software bulletin, to Clouds and Inversion for testing. (Coleman)</li> <li>• Completed software bulletin and delivered it to CM for review. (Coleman)</li> <li>• Relocated code from PMOA-Processor that determines the number of hours between existing MOA files and made it into a subroutine for moa_io.f90. (Coleman, Stassi, Caldwell)</li> </ul>	
7.1	Nguyen/ Raju	<ul style="list-style-type: none"> <li>• Updated ss7.1 code to write julian time instead of default values to TSI files. (Raju)</li> <li>• Continued to validate TSI file contents using read program. (Raju)</li> </ul>	
8.0	Raju/ Nguyen	<ul style="list-style-type: none"> <li>• Started working on QA plan document for ss8. (Raju)</li> </ul>	
10.0	Nguyen/ Raju	<ul style="list-style-type: none"> <li>• Started working on QA plan document for SRBAVG. (Nguyen)</li> <li>• Complete creating data file for the time series plot of the surface fluxes. (Nguyen)</li> <li>• Writing IDL program to plot the time history of the surface fluxes. (Nguyen)</li> </ul>	

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6.0	McKoy	<ul style="list-style-type: none"><li>• Recreated the test data for the test suite tests. (Stassi)</li><li>• Modified the script that tars the Tisa Gridding subsystem files and data so that I can run it from my subdirectories under /CERES/tisa_grid, and Nichele can still run it in her subdirectories. Enhanced the script to allow for selective tarring, listing of files in a more standard format, and automatic compressing of files. (Stassi)</li></ul>	
9.0	McKoy	Combined with above.	
11.0	Stassi/ Fan	<ul style="list-style-type: none"><li>• GGEO completed DAAC testing and is ready for production processing of January thru August 1998 data. (Lane, Stassi)</li><li>• Created a GGEO PCF including all the cloud background maps, CRH start-up map, a whole month of MOA files, and all the cloud run time parameters. (Fan)</li><li>• Extended the GGEO source code to calculate new parameters required by the cloud process and to interface the GGEO data into the cloud's data structure. (Fan)</li><li>• Created a cloud lib for GGEO. (Murry, Fan)</li><li>• A package including source code, PCF, and test data was delivered to Ms. Sun-Mack for carrying out the next step, making the cloud code process GGEO data. (Fan)</li></ul>	
CERESlib Stassi/ Fan		<ul style="list-style-type: none"><li>• Added two new scripts to the CERESlib bin directory: directory_listing.csh and tarfile_listing.csh. The first script is a modified version of the tar_file_list.csh script in the cm_bin directory on thunder. It makes a listing of files contained under a specified directory. The second script makes a listing of files contained in a tarfile. It uses the same output format as the directory_listing.csh script. (Stassi)</li><li>• Preparing for this weeks CERESlib delivery to CM. (Stassi)</li></ul>	



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CM	Ayers	<ul style="list-style-type: none"><li>• Delivered informal ERBE-like delivery to the Langley DAAC. (Ayers)</li><li>• Expecting informal Instrument delivery. (Ayers)</li><li>• Modified Nichele McKoy's code to remove a name from a list of users who receive the SCCR announcements. (Franklin)</li></ul>	
IST	Flug	<ul style="list-style-type: none"><li>• Completed work on the capability to list CERES commands and events on a per file basis for both EOS and TRMM. Added the capability to display CERES activities for a specified date. Fixed a problem with the "Instrument Operations" capability which prevented the integrated print report from being listed when certain information was missing from the report.</li></ul>	