

**Table 1: April 17, 1996 - Subsystem Status.**

SS No.	SS Lead	Status	Problems
1.0	Escuadra	<ul style="list-style-type: none"><li>• Processed a 24 hour Level 0 file containing interpolated ERBE data. The test completed successfully - Cooper</li><li>• In process of re-delivering system to DAAC. The DAAC Ada compiler has been updated, and HDF v4.0 is available - Matthias, Lake</li><li>• Currently investigating off-the-shelf tools for reading output data products - Matthias</li></ul>	No off-the-shelf applications have been found that can successfully read HDF Vdata structures. Will use system code as workaround.
2.0	Chang	<ul style="list-style-type: none"><li>• Supporting new ADM evaluation. - Chang</li><li>• Working on delivering the files to the DAAC for Milestone 7 One Full Month Test. - Chang</li><li>• Supporting evaluation of differences in ERBE scanners on NOAA 9 and NOAA 10. Code is being prepared and validated to determine S-8 parameters at spacecraft intersection points based on temporal and spatial constraints and scene type. - Ziegelmiller</li><li>• Revised plots of “converted” ERBE snow maps were completed. - Kizer</li></ul>	
3.0	Chang	Combined with above.	

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4.1	Murray	<ul style="list-style-type: none"><li>Continued to work with VINT algorithm and CRH_Update. - Sun-Mack</li><li>Received new CERES Mask algorithm. Incorporated into production code.</li><li>Identified problems in new versions of Welch and Classification. Problems fixed.</li><li>CloudVis Structure modifications continued. Fields added to header for users. Overall format changed being ordered by Pixel to being ordered by parameter.</li><li>Received ADD from Jim Kibler. Worked with Von to incorporate appropriate changes.</li><li>Switched to use of the production MOA IO module in CERESlib.</li><li>Provided clouds framework input to VINT to Pat Heck for off-line validation of the Science Algorithm and modified the production code to provide that data as needed. Sun-Mack</li></ul>	
4.2	Murray	Combined with above.	
4.3	Murray	Combined with above.	
4.4	McKinley	<ul style="list-style-type: none"><li>Delivered special version of code for PSF study &amp; trained Erika Geier in operation, 4/5.</li><li>Successfully tested CERES stress-test IES simulation file, 4/9.</li></ul>	<ul style="list-style-type: none"><li>Need to resubmit modified 4.4 code to DAAC to support stress test.</li></ul>

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4.5	Nolan	<ul style="list-style-type: none"><li>Continued validation of SSF data on thunder for 15-day test - Nolan</li><li>Converted a C program from William Smith of ECS, which attaches metadata to the S-8 EOS-HDF file, to a F90 module. Also converted the metadata read program from C to F90 and have been able to read the metadata on the S-8 EOS-HDF file using both the C and F90 programs. Began work to modify F90 module to attach SSF metadata to EOS-HDF SSF file.- Nolan</li><li>Began modifying Subsystem 4.5 and 4.6 Software, to include capability of turning off running any or all of the 4 Surface Flux algorithms using PCF input. - Nolan</li><li>Submitted complete Software Design Document- Architectural draft for Subsystem 4.5 and 4.6 to CERES Documentation - Nolan and Jimenez</li><li>Built new HDF libraries for saisun00 with HDF4.0r1 patches. Also tried to build new libraries for saisun31 (Solaris), however, I was getting compilation errors that appeared to be related to the f90 library. Sent this information to the system administrators - Jimenez</li><li>Sent email to HDF-EOS developers concerning the way HDF files are defined when programming in C versus programming in Fortran. This issue will probably cause some confusion - Jimenez</li><li>Continued preparing for the HDF Training Class scheduled for May 7th - Jimenez</li></ul>	
4.6	Nolan	Combined with above.	

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5.0	Coleman	<ul style="list-style-type: none"><li>• Successfully ran hour 5 all the way through. It took about 20 hours.</li><li>• Currently implementing a modification requested by Fred. That is, instead of using the cloud bottom pressures on the SSF, we re-calculate them using the SSF cloud top and the thickness. This is the same technique used to determine the cloud bottom pressure after the tuning algorithm adjusts the cloud height, i.e., a consistency issue. This does have an affect on the results.</li><li>• Adding an appendix to the Architectural Design Document to discuss the differences between Subsystems 5.0 and 7.2.</li><li>• Code common to Subsystems 5.0 and 7.2 is being placed into "SARBlib".</li></ul>	
7.2	Coleman	<ul style="list-style-type: none"><li>• Combined with above.</li></ul>	
12.0	Coleman	<ul style="list-style-type: none"><li>• Waiting for SNS account so that inputs to Regrid MOA can be put on MASS-TOR.</li><li>• Architectural Design Document in final editing.</li></ul>	
7.1	Sullivan	<ul style="list-style-type: none"><li>• Ran successfully at the DAAC with the SCF toolkit.</li></ul>	
8.0	Sullivan	<ul style="list-style-type: none"><li>• Ran at the DAAC, and two problems were discovered. An error message file was needed for SARB's secondary index file module and ZAVG did not compare successfully the first time. Both problems were fixed and delta deliveries were sent. -Fan, Sullivan</li></ul>	

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10.0	Sullivan	<ul style="list-style-type: none"><li>• Ran successfully at the DAAC with the SCFtoolkit</li><li>• Getting the post-MOA processor ready for code review -Raja</li><li>• Finished design document for Subsystem 7.1, 8, and 10 -Sullivan</li><li>• QC code (to be used for 7.1, 8, and 10) is still being developed -Raju</li></ul>	
6.0	McKoy	<ul style="list-style-type: none"><li>• Running the 15 day ERBE test through subsystem 9.0 - McKoy</li><li>• Continuing to correct problems found while running the 15-day test. - McKoy</li><li>• Still working on the design document. - Anselmo</li></ul>	
9.0	McKoy	<ul style="list-style-type: none"><li>• see Subsystem 6.0</li></ul>	
11.0	Stassi	<ul style="list-style-type: none"><li>• Corrected exception handling error so that main processor will handle bad channel flag and continue processing. Rerunning Stress Test on thunder. - Stassi</li><li>• Split B3 source code modules out to a separate library file. -Stassi</li><li>• Looking at B1 data sets and read programs supplied by Dave Young. -Fan</li></ul>	

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CERESlib/ Fan		<ul style="list-style-type: none"><li>• SUGGESTION for CERESlib testing - anyone who submits code to CERESlib must also provide a test program to test the code and would also need to provide expected results.</li><li>• The SGI Rep claims that the newest version of the sgi f90 compiler will correct many, if not all, of our problems. We will test this version once the operating system and compiler are updated on thunder. -Fan, Stassi</li><li>• Added ADD_LIBS, ADD_FLAGS, and PGSLIB environment variables to makemake and ceres-env.csh scripts, as per request from Jill Travers. Subsystems need to update their Makefiles with these variables for next release. - Stassi</li></ul>	
CM	Olaisen	<ul style="list-style-type: none"><li>• All Release 1 deliveries have been made to the Langley DAAC.</li><li>• Delta deliveries have been made for several subsystems.</li><li>• The Instrument Subsystem is scheduled for a delta delivery early this week.</li><li>• Members of the CM Team are currently designated as alternates to attend a Configuration Management course April 17 - 18.</li></ul>	