

**Table 1: October 30, 1996 - Subsystem Status.**

SS No.	SS Lead	Status	Problems
1.0	Escuadra	<ul style="list-style-type: none"><li>Completed change to Release 1 Time and Level-0 code to account for the TRMM UTCF value used in the SDPF test data. (Cooper)</li><li>Working on completion of Release 2 Build 1 for SS1 (Anselmo, Cooper, Escuadra, Filer, Hess, Lee, Matthias)</li><li>Preparing for the TRMM Simulation that will be run on Nov. 1 - 4. (Cooper, Escuadra, Hess, Weaver)</li></ul>	Still no SGI Ada 95 compiler for Thunder, working on SUN, but no debugger working on the SUN systems at this time.
2.0	Chang	<ul style="list-style-type: none"><li>Modified pre-ES8 and ES-8 record formats. A record level FAP/RAP flag word was added and the pixel level measurements and their flags were increased from 450 to 660. (Chang)</li><li>Modified ERBE-like inversion program due to the changes of the pre-ES8 and ES-8 record formats. (Chang)</li><li>Updated Data Product Catalog for ES-8. (Chang)</li><li>Modified and tested the ERBE S-8 to ERBE-like pre-ES8 conversion program. (Chang)</li><li>Several sets of ERBS 86/10 monthly ES-4/4G and ES-9 files and plots were generated for Kibler and Young to study the differences between original ERBE and ERBE-like results. (Chang, Liu)</li></ul>	
3.0	Chang	Combined with above.	

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4.1	Murray	<ul style="list-style-type: none"> <li>• Integrated the Toolkit and Vint algorithm. (Sun-Mack)</li> <li>• Received the algorithm package of skin temperature, surface emittance and surface reflectance from Dave Young. Worked with Dave Kratz and Dave Young to validate the results. (Sun-Mack)</li> <li>• CRH update: Worked on and discussed with Pat Heck- io and interface. (Sun-Mack)</li> <li>• Continued communication with Peter Noerdlinger (Hughes) to develop an algorithm using the PGS toolkit to calculate solar and viewing geometries for VIRS and MODIS and AVHRR data. Wrote IDL program to plot differences between toolkit and original algorithm's results. Awaiting next release of the PGS toolkit to test ViewGeo module's performance. (McIntire)</li> <li>• Modified Cloud QC report output to binary format. Wrote C program to read binary QC file and output ascii QC report. (McIntire)</li> <li>• Forwarded initial version of CERES QA Plan to Documentation for completion (McIntire)</li> <li>• Continued to download orbital AVHRR-GAC files for June 1986 and create hourly files. Through June 5, 1986. (Brown)</li> <li>• Completed draft QA plan for CRH. (Murray)</li> <li>• Completed MODIS entry for the Data Products Catalog. (Murray)</li> </ul>	
4.1	Murray	<ul style="list-style-type: none"> <li>• Work with Qing Trepte to integrate several new versions of the CO2 Slicing Algorithm. Provided her with code to access various ancillary data sets. Tracked down some algorithmic problems in the code and worked with Ms. Trepte to fix them. (Murray)</li> </ul>	
4.2	Murray	Combined with above.	
4.3	Murray	Combined with above.	

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4.4	McKinley	<ul style="list-style-type: none"><li>Coordinated revisions to Cookiedough necessary to support new SSF data structure. (McKinley, Miller)</li><li>Continued with modifications and additions to subsystem algorithms for Release 2. Expect to complete initial Release 2 implementation week of October 28. (McKinley, Miller)</li></ul>	
4.5	Nolan	<ul style="list-style-type: none"><li>Continued work to incorporate new SSF type definition in Subsystems 4.5 and 4.6 software. Completed design of surface type definition module. (Nolan)</li><li>Continued to work with Shashi Gupta on Subsystem 4.6.3. The CERESlib module, surf_lw_model_b, will have to be modified to include separate routines for Subsystems 4.6 and 10, due to the differences in the number of cloud categories for each. (Nolan)</li><li>Continued work to understand the latest changes to the definition and implementation of Metadata for Release A. Unsuccessfully attempted to add metadata, using Toolkit5 calls, to a vanilla HDF file. (Nolan)</li><li>Worked extensively on the ES-9 to find the most efficient way to store in an HDF-EOS Grid structure. After Friday's HDF vs HDF-EOS Meeting, it now appears that the ES-9 will be written with "vanilla" HDF. Work on this has not yet begun. (Jimenez)</li><li>Completed timing estimates to study the effects of storing products using "vanilla" HDF instead of HDF-EOS. (Jimenez)</li></ul>	
4.6	Nolan	Combined with above.	
5.0	Coleman	<ul style="list-style-type: none"><li>Completed implementation of Fred Rose's new tuning algorithm. (Coleman)</li><li>Now testing minor modifications that will allow SARB to process nighttime data. (Coleman)</li></ul>	

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7.2	Coleman	<ul style="list-style-type: none"> <li>Continuing to prepare software to write the SYN in gridded HDF format. (Gupta)</li> <li>Tested SYN Jr program with the SGI F90 compiler. (Gupta)</li> <li>Completed SYN DPC listing and delivered it to the documentation staff. (Coleman)</li> </ul>	
12.0	Coleman	<ul style="list-style-type: none"> <li>Ensured that we can regrid ozone and aerosol data to the NCEP grid. (Kizer)</li> <li>Prepared and sent (with working group approval) e-mail with diagrams to DAO folks to verify grid details. (Coleman, Kizer)</li> <li>Met with Jill Travers and Tom Charlock to discuss exactly which DAO products we use. (Kizer, Coleman)</li> </ul>	
7.1	Sullivan	<ul style="list-style-type: none"> <li>Finished the DPC for TSI. (Sullivan)</li> <li>Working on a way to store TSI on day files, so that the files can be specifically identified. (Sullivan)</li> </ul>	
8.0	Sullivan	<ul style="list-style-type: none"> <li>Finished the DPC for AVG/ZAVG. (Sullivan)</li> </ul>	
10.0	Sullivan	<ul style="list-style-type: none"> <li>Added calls to the tisa-avg system to write SRBAVG as an HDF-EOS file. Finished writing and testing the code to write all of the parameters in SRBAVG to HDF-EOS files. Finished writing the code to read data from and SRBAVG HDF-EOS file. Have tested most of the parameters, and have been read successfully. (Sullivan)</li> <li>Updated the DPC for SRBAVG according to the new SSF and sent to documentation. - Sullivan and Raju</li> <li>Studying the averaging routines and read over the QA plan. (Raju)</li> <li>Studying the data products, code, and science. (Jimenez)</li> </ul>	

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6.0	McKoy	<ul style="list-style-type: none"> <li>Completed a preliminary version of FSW in HDF using the HDF-EOS grid interface. (McKoy)</li> <li>Completed updating the DPC for FSW and SFC. (McKoy)</li> <li>Began working on implementing the read software for FSW. (McKoy)</li> <li>Began to studying metadata. (Ayers)</li> </ul>	
9.0	McKoy	see Subsystem 6.0	
11.0	Stassi/ Fan	<ul style="list-style-type: none"> <li>Completed the navigation code for GOES-9. Data files were ready to be plotted. (Fan)</li> <li>Update the DPC for GGEO.</li> <li>Provided input to QA document for GGEO. (Fan)</li> <li>Started works on GOES-8. (Fan)</li> </ul>	
CERESlib/ Fan		<ul style="list-style-type: none"> <li>Helped SAGE with environment variable setup for Toolkit functions. (Fan)</li> </ul>	
CM	Ayers	<ul style="list-style-type: none"> <li>The CM Team is currently formatting the optical disks that will be used to make a copy of the CERES Release 1 software. (Ayers)</li> <li>Made modifications to CM Plan. (Ayers)</li> </ul>	
IST	Flug	<ul style="list-style-type: none"> <li>Worked on software to plot user-selected housekeeping parameters. (Flug)</li> <li>Created a web-based interface to the plotting software. (Flug)</li> </ul>	