

Table 1: October 8, 1996 - Subsystem Status.

SS No.	SS Lead	Status	Problems
1.0	Escuadra	<ul style="list-style-type: none">• Completed changes to Location package to implement geocentric coordinate system (Lee, Weaver)• Continued efforts to verify and validate Location algorithms. Current results correlate well with the ERBE simulation with only one parameter still not matching, but problem may be in simulation code. (Lee, Weaver)• Continued work on restructure of the Location package for Release 2 (Anselmo, Cooper)• Completed QA Plan product specific QA Flag definitions for SS1. Set up template for the product specific QA Flag section of the QA Plan for Kevin McIntire (Cooper)• Continued work on learning Ada and updating the Radiance package (Filer, Matthias)• Contacted ToolKit personnel on errors found in the ToolKit manual for finding Azimuth and Zenith angles for the Sun and the footprint (Weaver)• Began collecting the Run Time Parameters for each subsystem to give to the Systems Engineering Committee for review (Cooper)• Working on implementing suggestions from the Instrument package code review to put into Release 2 (Hess)	
2.0	Chang	<ul style="list-style-type: none">• Worked on ERBE-like Subsystems Data Product Catalog. (Chang)• Studied the code changes needed for the ERBE-like Inversion to add RAP data and to handle the "aximuth angle > 96-deg" problem. (Chang)• Modifying the subsystem files so that one PGE only uses one PC file instead of one FORTRAN program uses one PC file. (Chang)• ERBE-like Inversion program and output products need to be changed to handle 660 scan measurements instead of 450 and to include both RAP and FAP data. (Chang)	

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3.0	Chang	Combined with above.	
4.1	Murray	<ul style="list-style-type: none"> Continued gathering and compiling information for CERES QA report. Compiled first version of QA Plan and distributed to subsystem leads. Wrote IDL program to plot Ancillary Data Sets. Made sample plots. (McIntire) Continued testing VIRS read module. (McIntire) Began looking at MODIS data format to finalize Data Products Catalog update. (McIntire) Completed testing of the new CloudVis read program and released to users. (Murray) Continued to work on the integration of a new version of the HIRS algorithm. (Murray) Produced SSFs and Cookiedoughs for use by Sarb team. (Murray) 	
4.2	Murray	Combined with above.	
4.3	Murray	Combined with above.	
4.4	McKinley	<ul style="list-style-type: none"> Compiled and tested 64-bit (SGI f90) version of Read_IES module (for HDF IES files) from Instrument subsystem, necessary to maintain performance of subsystem 4.4. Added a flag in PCF file to permit program to read IES in either flat or HDF form. Evaluated visualization system based on IBM Data Explorer, interfaced by Chris Currey and Bob Neely to several CERES data products including SSF. Provided comments and suggestions to Chris & Bob for additional capabilities. Demonstrated this system to a number of teammates, all giving very positive response. Received new ssf_typdef module and integrated it with Release 2 code. 	Completion of Release 2 algorithm implementation is awaiting final determination of processing details for new & modified SSF variables (expected from NASA/RSB imminently, as of 10/4).

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4.5	Nolan	<ul style="list-style-type: none">• Initiated work to incorporate new SSF type definition in Subsystems 4.5 and 4.6 software. (Nolan)• Modified Version 7.2 S-8 V0 migration software to allow the display and imaging of bit flags in the HDF-EOS S-8 using EOSView. (Nolan)• Continued work to understand the latest changes to the definition and implementation of Metadata for Release A. (Nolan)• Continued to test EOSView. (Jimenez and Nolan)• Began putting the SSF in the HDF-EOS Point structure to do timing studies between HDF-EOS swath versus HDF-EOS point versus vanilla HDF. Old vanilla HDF code will need to be modified. (Jimenez)• Built a F90 Solaris version of the HDF4.0r2 library to be placed on the Solaris server for everyone to use. (Jimenez)	
4.6	Nolan	Combined with above.	
5.0	Coleman	<ul style="list-style-type: none">• Completed CRS DPC listing. Charlock has approved it, and it has been forwarded on to TISA. (Coleman)• Determined that SARB will process SSFs with nighttime data for their 24-hour test unless they deem the nighttime data unreasonable. (Coleman)	
7.2	Coleman	<ul style="list-style-type: none">• Working on main program to write the SYN in EOS-HDF (Gupta, Jimenez)• Verified that the SYN will be produced on the same nested CERES grid that TISA uses. (Coleman)	
12.0	Coleman	<ul style="list-style-type: none">• Verified via plots and examination of the actual input and output values that the regridding software works with the DAO grid. (Kizer)• Switched from DAO 2 meter temperature and humidity product to their 10 meter product to eliminate large gaps of missing data. (Kizer)	

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7.1	Sullivan	<ul style="list-style-type: none"> Fixing the TSI file structure and interface to work for the 1 degree equal angle and nested grid.- Raju 	
8.0	Sullivan	see Subsystem 10.0	
10.0	Sullivan	<ul style="list-style-type: none"> Finished writing the code to handle the nested grid when writing out a binary SRBAVG. Also modified SRBAVG so that only the regions that have averages are written to the binary file Began writing the code to read data from and SRBAVG HDF file. Made some modifications to the module that writes the HDF file, so that the read routines can use some of the same parameters and subroutines. Incorporated the QC Reports and the range checking code into the TISA-averaging system, but has not been fully tested yet.- Raju Working on updating the DPC for SRBAVG according to the new SSF. Prepared information on the archival products, SRBAVG and AVG/ZAVG for the QA Plan. 	
6.0	McKoy	<ul style="list-style-type: none"> Continuing to work on the HDF implementation of FSW. (McKoy) Update the DPC for SFC. (McKoy) Update the main processor to work with the CERES 1.0 degree equal angle grid. (McKoy) Implementing read software for the TISA Grid-ding products. (O'Beirne) 	
9.0	McKoy	Combined with above.	
11.0	Stassi/ Fan	<ul style="list-style-type: none"> Decoded the B1 GOES scanline header - 4 bit read plus bytes swap. Worked on navigation code. 	
CERESlib/ Fan		<ul style="list-style-type: none"> Need a solaris version on yin computer. (Yin is ASD solaris server) 	

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CM	Ayers	<ul style="list-style-type: none">• The CM Team placed all of the CERES Release 1 software, excluding the data files, under CVS.• The CM Team ordered the optical disks that will be used to make a copy of the CERES Release 1 software.	Need the latest version of Informix installed on one of the SAIC servers to support the CM System.
IST	Flug	<ul style="list-style-type: none">• Began converting routines from the existing Java application to applets that will be incorporated into a web-based user interface to the IST prototype.	