

Table 1: October 13, 1996 - Subsystem Status.

SS No.	SS Lead	Status	Problems
1.0	Escuadra	<ul style="list-style-type: none">• Processed and analyzed QL and Level 0 data from the TRMM simulation. Provided results of analyses to DAAC and MOC personnel. (Cooper, Weaver, Hess, Escuadra)• Continued working on RAPS interpolation/conversion of ERBE data. (Lee)• Began design and coding of the Release 2 version of the Packet modules. (Matthias)• Continued to work on the Release 2 version the Radiance modules. (Filer, Matthias)• Modified and provided final updates of the DPC to Documentation. (Escuadra)	
2.0	Chang	<ul style="list-style-type: none">• Completed the changes to ERBE-like Inversion code to process either FAP or RAP data for input to Daily Data Base processor. (Chang)• Wrote script and PC file templet to generate solar declination file as a yearly PGE. (Chang)• Wrote script and PC file templet to generate ES-4 housekeeping file as a yearly PGE. (Chang)• Produced ES8-HDF file from Pre-ES8 file from SS 1.0 for Curry. (Kam-Pui, Lynn, Chang)• Reviewed the “CERES Runtime Parameter Tables” and “Release B Replan Functionality by Phase”. (Chang)	
3.0	Chang	<ul style="list-style-type: none">• Combined with above.	

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4.1	Murray	<ul style="list-style-type: none">Continued to test, validate, and debug the skin temperature code. Worked with Dave Young to understand the Skin temperature code. Incorporated a predicted TOA checker to compare with the observed value. (Sun-Mack)The structure of CRH data base was modified. The code and algorithms were modified to accommodate these changes. (Sun-Mack)Contacted Rich Slywczak (TSDIS) to request VIRS Level 1B-01 simulated data from the TRMM mission simulation. (McIntire)Discovered that the TSDIS toolkit used to read VIRS HDF data has virtually no useful error handling capabilities; plan is to discard use of the TSDIS toolkit and write our own VIRS HDF read routines as TSDIS has no firm plan to improve their error handling architecture. Modified and tested the CID_VIRS module to read VIRS HDF data using only the HDF libraries. (McIntire)Continued development and testing of QC report module. Added new algorithm results. Improved handling of CERES fill values. (McIntire)Added a debug flag to the PCF which, when set will write run time information to the screen; otherwise, information will be written to the LogReport file using the cereslib WriteReport subroutine. (McIntire)Continued to produce hourly GAC files for June 1986. Through 16 days. (Brown)	
4.1	Murray	<ul style="list-style-type: none">Completed modifications to the CloudVis product to remove unused parameters and add Final Cloud Mask and Source and the Skin Temp Results. Provided information to users. (Murray)Completed implementation of Release 2 Cookiedough. Working with Chuck McKinley to test. (Murray)Modified the AVHRR read and calibrate software determine file names and to open the data and LUT files with Toolkit routines. Began modifications for diagnostic output to go to the LogReport file. (Murray)	

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4.2	Murray	<ul style="list-style-type: none">Combined with above.	
4.3	Murray	<ul style="list-style-type: none">Combined with above.	
4.4	McKinley	<ul style="list-style-type: none">Completed initial implementation of Release 2 algorithms. (McKinley, Miller)Achieved successful compilation of Release 2 subsystem on thunder. (McKinley, Miller)Obtained Release 2 format Cookiedough for testing. (McKinley, Miller)Presently in debug mode. (McKinley, Miller)	
4.5	Nolan	<ul style="list-style-type: none">Continued work to incorporate new SSF type definition in Subsystems 4.5 and 4.6 software. (Nolan)Continued work to understand the latest changes to the definition and implementation of Metadata for Release A. (Nolan)Attended QA Workshop and DSWG meeting at GSFC. (Nolan)Began writing software to put the ES-9 in to “vanilla” HDF. (Jimenez)Worked with Lee-hwa to produce an ES-8 in HDF-EOS format that contains “good” data. (Jimenez)Compiled a list of all the CERES archival products and the intended file format for approval. (Jimenez)	
4.6	Nolan	<ul style="list-style-type: none">Combined with above.	
5.0	Coleman	<ul style="list-style-type: none">Fred Rose has made the newer, faster version of the Fu-Liou model available. It now needs to be incorporated so that the 24-hours worth of test CRS's may be generated. (Rose)	
7.2	Coleman	<ul style="list-style-type: none">The HDF implementation of the SYN product is continuing. An abbreviated version (only of few of the structures) has been successfully developed. Now working on the whole product. (Gupta)	

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12.0	Coleman	<ul style="list-style-type: none"> The horizontal regridding software has been made more generic to accomodate the many dofferent input and output grids with which the Regrid MOA Subsystem will have to contend. (Kizer) The horizontal regridding software has been modified to accomodate an allowable percentage of default values in the input data. (Kizer) A MOA_Read routine to retrieve the MOA data corresponding to a nested CERES region (TISA-type region) is under development. (Kizer) 	
7.1	Sullivan	<ul style="list-style-type: none"> See Subsystem 10. 	
8.0	Sullivan	<ul style="list-style-type: none"> Working implementing AVG/ZAVG in HDF-EOS by modifying and adding to the code for SRBAVG. (Sullivan) 	
10.0	Sullivan	<ul style="list-style-type: none"> Modified the tisa-averaging system to work for the 1 deg equal angle nested grid and cleaning up the code for the recently modified DPCs and for writing SRBAVG to an HDF-EOS file. (Sullivan) Began working on module diagrams for the detailed design document. (Raju, Sullivan) Studying the averaging routines. (Raju) Studying the data products, code, and science. (Jimenez) 	
6.0	McKoy	<ul style="list-style-type: none"> It was decided that the HDF-EOS Grid API was not the best implementation for the TISA Gridding products. 'Vanilla' HDF VDatas will be used for implementation of FSW and SFC in HDF. Began working on new design for FSW. (McKoy) Met with Sandy Nolan to discuss metadata, and decided that it would be best to wait until the metadata concept in more clearly defined before trying to implement something for TISA Gridding. (Ayers) 	
9.0	McKoy	<ul style="list-style-type: none"> see Subsystem 6.0 	

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11.0	Stassi/ Fan	<ul style="list-style-type: none"> Calculated the 1-deg region numbers for Tak's validation regions. (Stassi) Investigating problems with output from GOES-9 B1 code. (Fan, Stassi) Working on GOES-8 and Meteosat B1 code. (Fan, Stassi) 	
CERESlib/ Fan		<ul style="list-style-type: none"> Modified start-up scripts and makemake utility to include HDF directory and library information. (Stassi) Modified the gmt_to_local_time module. (Sullivan) 	
CM	Ayers	<ul style="list-style-type: none"> Began making a copy of the CERES Release 1 software onto optical disks. (Ayers) Made modifications to the CM Plan. (Ayers) 	•
IST	Flug	<ul style="list-style-type: none"> Completed software to plot user-selected housekeeping parameters. Added capability for users to save their graph setup as a default graph that can later be recalled for subsequent plots. (Flug) Added capability to display user-selected housekeeping parameters in tabular format. Values flagged with limits flags are displayed in the appropriate color. (Flug) Provided support for TRMM Mission Sim #1. Participated in monitoring of real-time screens during initial remote login sessions. Examined the snap files sent during the simulation and reported on errors in snap file format and content. Demonstrated capabilities of IST to potential users. Handled requests for snap file data. (Flug) 	