

Table 1: November 27, 1996 - Subsystem Status.

SS No.	SS Lead	Status	Problems
1.0	Escuadra	<ul style="list-style-type: none">Continued analysis of the TRMM SIM #1 Data. (Cooper, Weaver, Hess, Escuadra)Continued working on RAPS interpolation/conversion of ERBE data. (Lee)Continued work on the integration of the Release 2 Build 1 system. (Anselmo, Cooper, Escuadra, Filer, Hess, Matthias)	
2.0	Chang	<ul style="list-style-type: none">Wrote script and PC file templets to generate solar declination file and ES-4 housekeeping file as one yearly PGE. (Chang)Generated ES-4 housekeeping files for years from 1984 to 1992 and stored them on thunder for ERBE data reprocessing. (Chang)Took ES-4 pre-processor out from the ERBE-like monthly PGEs. (Chang)Modified ERBE-like daily data update and overlap data update programs, PC file templets and single-satellite monthly script to process variable numbers of days of data. (Chang)Reviewed and modified the Data product Catalog for Subsystems 2.0 and 3.0. (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"> Initial version of CRH update was delivered. Wrote the interface module, eliminated conflicts and modified other related modules. (Sun-Mack) Worked with Qing Trepte to validate Cloud Mask results. Devised method for QInt to further study the results coming from the algorithm. (Sun-Mack) Interfaced with Chris Currey about the ways to use IBM DX to validate CRH. (Sun-Mack) Generating Hourly AVHRR-GAC files for the month of June '86. (Completed through 6/27). (Brown) Continued design, development and testing of the HDF-only VIRS module. Waiting on VIRS simulated data from TSDIS to test. (McIntire) Studied the proposed MODIS Level 1B format and began work with the simulated MODIS radiance and geolocation files. Designed, developed, and tested a new module to read the simulated MODIS radiance and geolocation HDF data. (McIntire) Continued development and testing of Cloud QC reporting functionality. Fixed some glitches and extended capabilities of read program. (McIntire) Worked with Visualization Team to further develop the CloudVis product and read programs. (Murray) Changed the Production Code from using the Condensed Ecosystem Map to use the IGBP Ecosystem Map. (Murray) Ran test runs to evaluate algorithm performance. It now takes ~45 minutes to run an hour of data. (Murray) Waiting on Toolkit 5.1.1 availability on thunder. (All) 	
4.2	Murray	<ul style="list-style-type: none"> Combined with above. 	
4.3	Murray	<ul style="list-style-type: none"> Combined with above. 	

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4.4	McKinley	<ul style="list-style-type: none">Completed initial implementation of Release 2 algorithms. (McKinley, Miller)Made first complete run of Release 2 subsystem on thunder, Nov 12. (McKinley, Miller)Incorporated new Cookiedough and SSF data structures. (McKinley, Miller)Demonstrated SSF rerun capability, Nov. 20. Led to discussion whether SSF is adequate source for rerun (vs IES). (McKinley)Conducted extensive tests to validate Release 2 cloud layering algorithms. (McKinley, Miller)Enhanced SSF browse utility for versatility and user-friendliness. (Miller)	<ul style="list-style-type: none">Need consensus on whether IES should be archived for rerun requirements.
4.5	Nolan	<ul style="list-style-type: none">Completed testing for Release 2 scene identification module. (Nolan)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 ESDTs, Metadata and Exit Conditions for Release A. (Nolan)Continued writing software to put the ES-9 in to “vanilla” HDF. (Jimenez)Began writing software to read an S8 (HDF-EOS format) and generate linked list files of clear-sky longwave and shortwave flux lists. (This is to compare time and efficiency to Bruce Barkstrom’s Ada code reading the S8 flat file and generating the same lists). (Jimenez)	
4.6	Nolan	<ul style="list-style-type: none">Combined with above.	

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5.0	Coleman	<ul style="list-style-type: none">Received yet another new version of the Fu-Liou model. (There are more to come still, but Fred Rose said to run with this one.) This new version was incorporated, and a test run made. Verification of the results is still pending, but the timing was 3x faster. (Coleman)Updated SARB_PARAMS module to reflect latest Release 2 changes. (Coleman)Began updating CRS_IO module for Release 2. (Coleman)	
7.2	Coleman	<ul style="list-style-type: none">Incorporated Release 2 data structure changes to program building the HDF SYN. (Gupta)	
12.0	Coleman	<ul style="list-style-type: none">Prepared and sent a working group approved e-mail message to Man-Li Wu and Jim Stobie at DAO detailing just what products CERES needs from them in order to process TRMM data in the Release A time frame. (Coleman)Updated MOA_IO README file that will accompany Release 2 MOA data. (Kizer, Coleman)Obtained a consensus from Fred and Bryan Baum on how to handle the temperature at 10 and 15mb. (DAO only went as high as 20mb and our climatology began at 7mb, leaving a gap.) (Coleman, Kizer)Produced seven hours of DAO MOA data for Fred's approval, which is still pending. (Kizer)	
7.1	Sullivan	<ul style="list-style-type: none">Fixed the TSI implementation according to the changes in the most recent DPC. (Raju)	
8.0	Sullivan	<ul style="list-style-type: none">Finished implementing AVG/ZAVG in HDF-EOS by modifying and adding to the code for SRBAVG. Began testing the modified code to write a product. (Sullivan)Looked over the DPC listings Documentation sent out for AVG/ZAVG and SRBAVG. Modified the spectral albedo in AVG/ZAVG to have 6 elements and gave Documentation the change. (Sullivan)	

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10.0	Sullivan	<ul style="list-style-type: none"> Began putting the Release 1 and Release 2 TISA-Avg system into CVS. (Raju) Modified the TISA-Avg directory structure under the data directory for Release 2. (Sullivan) Modified the range checking and QC report code according to the newest DPC. (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. Completed the new design for FSW and began working on the code development. (McKoy) Began studying the code for the main processor to make the necessary changes to handle the file boundary problem that occurs when processing at local time in subsystem 9.0. (Ayers) 	
9.0	McKoy	<ul style="list-style-type: none"> Combined with above. 	
11.0	Stassi/ Fan	<ul style="list-style-type: none"> Corrected some variable declaration problems in the GOES-9B1 read code, but data still looks wrong. Dumped the calibration tables, and now looking at another data file. Continuing to investigate the problem. (Stassi) 	
CERESlib/	Fan	<ul style="list-style-type: none"> Tested 6.5 out of 7 Metadata Tools successfully for our current Toolkit version 5.1. (Fan) Start to design the metadata wrapper - need direction: one subroutine or multiple subroutines? (Fan) Modified the WriteReport and WriteStatus routines (both F90 and C versions) so that output will go to standard output (terminal screen), along with a warning, whenever write to log file fails. (Stassi) 	

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CM	Ayers	<ul style="list-style-type: none">Continued 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">Began investigating other ways to manage the housekeeping data to improve response time in the TRMM IST web application. (Flug)	