Table 1: September 25, 1996 - Subsystem Status.

SS No.	SS Lead	Status	Problems
1.0	Escuadra	• Errors fixed in Relative Azimuth Angle algorithm (Cooper, Lee, Weaver) • Began moving Release 1 Code to Release 2 Repository (Anselmo, Matthias) • Began changing geodetic coordinates in IES/BDS to geocentric coordinates (Cooper, Lee) • Downloaded latest SDPF data (Escuadra) • Finished program to read Instrument modes from BDS Digital Data Block (Escuadra) • CVS Repository Built for Release 2 Code (Matthias) • Attended CERES Science Team Meeting (Cooper) • Code review of Release 1 Instrument Package (Team)	
2.0	Chang	• Working with Young on new LW thresholds. (Chang) • Tested new LW thresholds and generated ERBE-like Monthly outputs and plots using ERBS 04/85 data for Young. (Chang, Liu) • Processed NOAA 9 10/86 pre-ES8 files created by Lee and generated ERBE-like Monthly outputs and plots for Kibler. (Chang, Liu) • Attended CERES Science Team meeting in Fort Collins, CO. (Chang) • Wrote program to use CERESLIB routines to create solar declination files for ERBE scanner data reprocessing. (Chang) • Found that PGS Toolkit routines do not define commonly used constants at one place. Same constants are defined with different precisions. (Chang)	
3.0	Chang	• Combined with above.	

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SS No.	SS Lead	Status	Problems
4.1	Murray	• Communicating with Lynn Jimenez, obtained assistance in learning HDF. Read available HDF documentation. Developed Makefile for linking with HDF library. Downloaded and complied a personal copy of HDF 4.0 Release 1 as a 64-bit application on thunder. (McIntire) • Downloaded, complied, and installed a personal copy of the TSDIS toolkit as 64-bit application on thunder. Downloaded and read TSDIS toolkit user's manual. (McIntire) • Wrote CID_VIRS.c module to read VIRS HDF data using the TSDIS toolkit. Began integration and initial testing of CID_VIRS.c. (McIntire) • Completed Work on the CloudVis Read Program. Began work on a program to read the gridded SSF/CookieDough/MOA product. (Brown) • Began integration of an updated HIRS algorithm. Incorporated Release 1 MOA and other improvements to facilitate later integrations. (Murray) • Generated timing estimates covering several days of processing. (Murray) • saisgi02 was upgraded to IRIX 6.2 with an R5000 chip. (Murray) • Prepared for and attended the meeting with Karl Cox, et al. to discuss the ESDT to be used by CERES. (Murray)	
4.2	Murray	• Combined with above.	
4.3	Murray	• Combined with above.	

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SS No.	SS Lead	Status	Problems
4.4	McKinley	• Adapted Release 2 code to new SSF data structure. • Implemented logic for definition of two cloud layers for reporting in SSF. • Generalized logic to allow for arbitrary number and size of angular bins for various PSF weighting distributions. • Attended ESDT meeting with Karl Cox & others. • Had several coordination meetings and discussions with science team (Baum, Green) to work out details of Release 2 algorithms.	
4.5	Nolan	• Continued to modify Subsystems 4.5 and 4.6 software for Release 2. Changes included use of new QC Header routine in CERESlib (Nolan). • Created 3 SSFs on thunder which contained data from IES files generated by Instrument Subsystem (Nolan). • Compiled Version 7.2 S-8 V0 migration software, created a new HDF-EOS version of the S-8, and viewed the data using EOSView. (Nolan) • Continued to test EOSView.(Jimenez) • Converted a partial ES-9 into HDF-EOS format. Wrote read software for the HDF-EOS and flat file to begin verifying the data. (Jimenez) • Built HDF4.0r2 libraries on thunder. (Jimenez)	
4.6	Nolan	• Combined with above.	
5.0	Coleman	• Preparing to test a new version of the Fu-Liou code that is reportedly 3.5 to 5 times faster than current version. If the first hour we process produces the same results as the Release 1 version, we will use it to process data for a 24-hour period. For input we will use SSFs produced using the ERBE PSF.	
7.2	Coleman	• Produced a month's worth of SYN Jrs. All but the last hour for each day was zero-filled--a problem. We know the cause and are investigating a solution.	

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SS No.	SS Lead	Status	Problems
12.0	Coleman	• Communicated with DAO regarding the time frame for the DAO data switching to a 1x1 degree grid. The answer, GEOS-III, may be in conjunction with the EOS-AM launch. • Also trying to determine when the DAO data will have vertical profiles at 70 levels instead of the current 18 levels (GEOS-II). • In the process of verifying that modifications to the horizontal regridding process used for aerosol and ozone data are correct.	
7.1	Sullivan	• Wrote a test program to read the TSI files in the manner that 7.2 would and tested the TSI files that were produced at the DAAC.	
8.0	Sullivan	• Subsystem 8.0 tried to run at the DAAC, but received an error when trying to read in SYN because the hour box numbers and region numbers had zero's. Modified the SS 8.0 code to not check these numbers and SS 8.0 ran at the DAAC. • Finished design of AVG/ZAVG in HDF-EOS by adding to the HDF-EOS design for SRBAVG.	

Table 1: September 25, 1996 - Subsystem Status.

SS No.	SS Lead	Status	Problems
10.0	Sullivan	• Finished implementation of changed parameters for Release 2 in the code for writing SRBAVG to an HDF file. Tested writing each data type to the HDF file. • Began studying the nested grid code in CERESlib. Began implementing the code to handle the nested grid when writing out SRBAVG. • Produced slides of the global map of the monthly averages for LW, produced at the DAAC for the science team meeting. • Finished making changes to the range checking, QC report and TSI type definition code according to the changes in the data products. (Raju) • Completed a preliminary version of the interactive read software for a binary SRBAVG file. (Raju) • Working on getting the TISA-averaging code set up in CVS. (Raju)	
6.0	McKoy	• Working on implementing FSW in HDF using the HDF-EOS grid interface. (McKoy) • Testing / debugging the averaging algorthms for the angular model scene types and the TOA fluxes. (McKoy) • Implementing read software for the TISA Gridding products. (O'Beirne)	
9.0	McKoy	• see Subsystem 6.0	
11.0	Stassi/ Fan	• Added Toolkit interface to the GMS B1 read routines. (Stassi) • Ran subsystem test with single GMS B1 image file. Validated radiance output against output from original contributed read code. (Stassi) • Created color plots from GMS B1 test run. (Liu) • Integrated Toolkit opens into the GOES McIdas B1 read routines. (Fan) • Integrating GOES McIdas read routines into GGEO subsystem code. (Fan)	
CERESlib/ Fan		• Added Kam-Pui's time conversion routines to CERESlib. (Stassi)	

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SS No.	SS Lead	Status	Problems
CM	Ayers	• Validated and delivered Delta Deliveries for Synoptic SARB and TISA. • Since the disk space became available on thunder, the CM Team was able to uncompress and untar the CERES Release 1 deliveries into the CM repository. • Since the full month test was successfully completed at the DAAC, the CM Team plans to make a copy of the CM repository onto an optical disk for permanent storage. After the CM repository is copied to an optical disk, the Release 1 data files will be removed from the repository.	• Need latest version of Informix installed on one of the SAIC servers to support the CM System.
IST	Flug	• Continued work on prototype.	