Table 1: July 31, 1996 - Subsystem Status.

SS No.	SS Lead	Status	Problems
1.0	Escuadra	• Finalized completion time estimates for Release 2 tasks. Finalizing build schedule (Escuadra) • In process of correcting oscillation in along track angle. Problem attributed to coordinate system used for calculations. Testing in process to verify fix (Cooper) • Began detailed design for changes to the Radiance modules (Anselmo, Lake, Filer) • Modified IDL program to allow reading of BDS files as well as parameter selection and subsetting (Matthias) • Finalizing Release 2 Requirements document (Hess) • Began testing of BDS conversion program (Escuadra) • Modified IES modules to support indexing of records by along track angle (Cooper)	
2.0	Chang	• Completed modifying the ERBE-like Inversion code to add new parameters to some arrays for the new ADMs. (Chang) • Working with Green and Hinton on the new ADMs. (Chang) • Reviewing the spcetral correction code that handles both ERBE and CERES data. (Chang) • Working with Young on the new LW threshold numbers for SS2.0 and the code changes for SS3.0. (Chang)	
3.0	Chang	Combined with above.	

Table 1: July 31, 1996 - Subsystem Status.

SS No.	SS Lead	Status	Problems
4.1	Murray	• Supported the ATBD revisions. (All) • Continued working on spacial coherence. Finished integrating spacial coherence (front-end) into the production code. Checked through the interface and listed the questions/uncertainties about SpaCoh that need to be cleared-up with Jim Coakley. (Sun-Mack) • Worked with Pat Heck when necessary to fix and validate problems areas in the VINT algorithm. (Sun-Mack) • Worked with Sharon Gibson on CERES Cloud-Mask Test modifications and on ClearSky Brightness Temperature displays. (Sun-Mack) • All day (July 19) meeting with MODIS people. (Sun-Mack) • Continued to work on new QC interface module. (McIntire) • Gained experience with StP, Framemaker. (McIntire) • F90 Class (McIntire) • Identifed the cause of the unexplained bombs of the cloud code. Inconsistant use of scanline leftovers caused the bus errors. (Murray)	
		• Tested the Clouds Production code with the new chipset on thunder. It previously averaged 1 1/2 hours to run. With the R10000 chips, it averaged 1/2 hour. (Murray) • Worked with the new Clouds Student, Ricky Brown. (Murray)	
4.2	Murray	see Subsystem 4.1	
4.3	Murray	see Subsystem 4.1	

Table 1: July 31, 1996 - Subsystem Status.

SS No.	SS Lead	Status	Problems
4.4	McKinley	• Modified code to reduce rejection of footprints when starting pixel cannot be found, but identified problem area in Cookiedough (see problems). • Assisted NASA with continued PSF validation study; modified 4.4 code to read revised IES data structure as defined in HDF IES files created by Instrument SS. • Processed 2 hours of IES files pro-duced by Instrument SS; passed results on to Inversion and science team for evaluation. • Assisted in redefinition of SSF data structure and archival planning. • Began Release 2 modification to implement square PSF algorithm.	Found examples of footprint rejection because of "longitude inversions" in Cookiedough; passed on symptoms to clouds working group of CERES science team. Problem occurs near poles and in last 9 pixels of scanline.
4.5	Nolan	• Continued work on Subsystem 4.5 and 4.6 Quality Control (QC) Hourly and Daily Reports. Ran Subsystem 4.5 and 4.6 for 24 hours of day 10-01-96 and created QC reports for each hour and for the entire day. (Nolan and Volpato) • Continued looking at restructuring the SSF in the Swath format for subsetting purposes. (Jimenez and Nolan) • Held telecon on HDF-EOS with ECS HDF-EOS experts and discussed Swath and Grid Structures. ECS recommended that Point not be used for SSF, if it can fit into an HDF-EOS Swath structure. SSF Swath designs for best and worst case performance will be sent to ECS for evaluation. (Jimenez and Nolan) • An entire ES-4G was written in HDF-EOS format. Data validation continues. (Jimenez) • A 10000 footprint SSF was written in HDF-EOS format for subsetting purposes. An error was found in the subsetting code and reported to ECS. Attempts to subset continue. (Jimenez)	
4.6	Nolan	Combined with above.	

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SS No.	SS Lead	Status	Problems
5.0		• Posted Architectual Design Document to Web. • Tested SARB code with new R10000 CPUs. With the SGI compiler, 1000 records now runs in about six minutes. (Coleman) • Developed and tested SYN Jr so that a month's worth of "pseudo-SYNs" can be quickly be prepared for Subsystem 8. (Gupta) • Assisting Fred Rose in determining cause of cloud-level temperatures input to the Fu-Liou model that are sometimes too cold. (Coleman) • Distributed CRS Data Product Listing to SARB group and Subsystem 6 for review. (Coleman) • Assisted Dr. Fred Gunther (CSC at Goddard??) in setting up a test environment to study SARB Sub-system optimization (Coleman, with some help from Stassi)	
7.2		Combined with above.	
12.0		• Resolved most vertical interpolation issues; still need climatological temperature data for 15 and 10 mb--possibly from same source as SAGE humidity climatology (Kizer) • Implemented suggested resolution for DAO specific humidity at the surface, which has a different tempo-ral resolution from the DAO specific humidity pro-files (Kizer)	
7.1	Sullivan	• see Subsystem 10.0	
8.0	Sullivan	• see Subsystem 10.0	

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SS No.	SS Lead	Status	Problems
10.0	Sullivan	• Studied the surface algorithms. Added range checks for the types used as inputs into the surface algorithms. - Raju • Continued implementing and testing SRBAVG in HDF using the HDF-EOS Grid API. Small modifications in the design has improved performance in writing an SRBAVG to an HDF file.- Sullivan • Studying the changes to SSF. Worked on getting the needed parameters for the three subsystems, 7.1, 8, and 10 and making sure they are passed through the input products. Making the necessary changes to the three DPC's, SRBAVG, TSI, and AVG/ZAVG in StP. - Sullivan • Subsystem 10 has completed the stress and month test at the DAAC.	
6.0	McKoy	• Updated the DPC for the ATBD. • Re-designed the design for FSW/SFC in HDF. • Finishing up the averaging algorithms. • Implemented a range check on the output data in the main processor. (O'Beirne)	
9.0	McKoy	• see 6.0.	
11.0	Stassi/Fan	• Created Appendices A and B describing input and output data for Subsystem 11. These will be included in the ATBD. (Stassi)	
CERESlib/ Fan		• Added a suite of automated tests to check the reference_grid module. Added functionality to reference_grid in preparation for the one degree, nested grid. (Stassi) • Created a test version of CERESlib containing the one-degree, nested grid (Stassi) • Enhanced the parse subroutine in the msg module to be more rigorous. (Fan) • Created a test suite for the io and msg modules. (Fan, Stassi) • Modified the ssf_typdef module in response to problems related to the SGI compiler. (Nolan)	

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SS No.	SS Lead	Status	Problems
CM	Olaisen	• Continued working on the draft of the updated CM Plan.	• Need additional disk space on thunder and the latest version of Informix to set up the CM system.