

Table 1: August 21, 1996 - Subsystem Status.

SS No.	SS Lead	Status	Problems
1.0	Escuadra	•	
2.0	Chang	<ul style="list-style-type: none"> • Working with Green and Hinton on the new ADMs. (Chang) • Working with Young on the new LW threshold numbers for SS2.0 and the code changes for SS3.0. (Chang) • Working on ERBE data reprocessing on warlock. (Chang) 	
3.0	Chang	• Combined with above.	
4.1	Murray	<ul style="list-style-type: none"> • Sun-Mack: Continued working on the integration of the Spatial Coherence Code into the Cloud Code. Left for Maternity Leave. • McIntire: Completed implementation of the new Cloud QC algorithm. • Assited in the compilation of the ATBD DPC Appendices. • Worked with Sharon Gibson to run and debug new versions of the CERES Cloud Mask Algorithm. • RUN Sharon Gibson's modifications. • Met with Denise Cooper for ToolKit 'Primer.' Began modifications the Cloud. • Code to use Toolkit calls to calculate Viewing Geometry. • Went through ToolKit documentation to become familiar with methods used by TK to calculate viewing geometries. Contact with Peter Noerdlinger (Hughes) • Mr. Murray: Generated a script for Chuck that creates PCFiles on the fly. • Worked on generating the ATBD DPC Appendices. • Helped determine source of 'too much snow' problem in the gridded product. • Briefed Ricky on the CloudVis read program he will develop. • Implemented code to handle data gaps and incomplete chunks. • Implemented code to get Solar Declination, Earth-Sun distance correction and Equation of Time values from Toolkit calls. 	

Table 1: August 21, 1996 - Subsystem Status.

SS No.	SS Lead	Status	Problems
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"> Began implementation of Release 2 square footprint algorithm; demonstrated correctness of "cracker-cutter" results via FOOTVIS visualization program. Validated location and orientation of square footprints with respect to FOV centroids using same tool. Began modification of logic for calculation of cloud statistics over square footprint, to implement angular bin method prescribed for Release 2. Expect to conduct first tests of this logic week of August 26. 	Release 2 algorithm for selecting 2 cloud levels out of 4 possible for reporting in SSF (to reduce SSF volume) may prove to be a performance obstacle for subsystem 4.4. Expect to be able to test this in early September.
4.5	Nolan	<ul style="list-style-type: none"> Continued work on Subsystem 4.5 and 4.6 Quality Control (QC) Hourly and Daily Reports. (Nolan and Volpato) Continued work on F90 software to format and print parameter values for multiple SSF footprints. (Nolan and Volpato) Continued work on defining HDF-EOS core metadata for SSF. V0 migration metadata for the ERBE S-8 was evaluated and is being used as a starting point for the SSF metadata definition. (Nolan) Continued looking at restructuring the SSF in the Swath format for subsetting purposes. (Jimenez and Nolan) Modified the ES-8 to HDF-EOS code to match the latest S-8 code written by Bill Smith. Converted all C-routines to F90-routines. Began writing read software in order to verify the data being written to the HDF-EOS file. (Jimenez) A 15444 footprint (1/2 the footprints on the file) SSF was written in HDF-EOS format to see if converting 1/2 the footprints resulted in 1/2 the time. It appears that this is true. (Jimenez) Obtained ES-9 read software from Lee-hwa in order to begin converting the ES-9 into HDF-EOS. (Jimenez) 	

Table 1: August 21, 1996 - Subsystem Status.

SS No.	SS Lead	Status	Problems
4.6	Nolan	<ul style="list-style-type: none"> Combined with above. 	
5.0		<ul style="list-style-type: none"> Contributed data product listings for the CRS and SYN for inclusion into the ATBDs (Coleman). Have generated the first hour for each day of October through SYN Jr. Currently having problems due to various reasons, i.e., thunder's health and our disk storage requirements. Now trying to port SYN Jr code to sprxsgilarc, the DAAC loaner machine (Gupta). 	
7.2		<ul style="list-style-type: none"> Combined with above. 	
12.0		<ul style="list-style-type: none"> Incorporating Don Cahoon's comments into ADD. Plan to send these changes to documentation about the end of this week, or as soon as they can break from ATBDs (Coleman). Updating MOA_IO module to reflect modifications to MOA_IO structure. New routines have been added to determine the MOA region number given either colatitudinal and longitudinal coordinates or a CERES region number (Kizer). Incorporating contributed code to determine air mass index (Kizer). 	
7.1	Sullivan	<ul style="list-style-type: none"> Worked on adding new parameters and getting the needed parameters for 7.1 and outputting the needed parameters for 7.2. Completed the DPC for TSI using StP. Subsystem 7.1 has completed the stress/month test at the DAAC. 	
8.0	Sullivan	<ul style="list-style-type: none"> Completed the DPC for AVG and ZAVG using StP. 	
10.0	Sullivan	<ul style="list-style-type: none"> Completed the DPC for SRBAVG using StP. Made small modifications to the HDF design for SRBAVG according to the changes in the data product listing. Began making the changes from the data products in the code for 7.1, 8, and 10. Ran the 24 hours (over 3 days) of SFC data produced from Subsystem 9.0, which included real data for the angular model scene types. 	

Table 1: August 21, 1996 - Subsystem Status.

SS No.	SS Lead	Status	Problems
6.0	McKoy	<ul style="list-style-type: none"> Working on implementing FSW in HDF using the HDF-EOS grid interface. (McKoy) Testing the averaging algorithms for the angular model scene types. (McKoy) Tracking down bottlenecks in the main processor. (McKoy) Finishing up code to generate the QC reports for FSW/SFC. (O'Beirne / Yue) Updated the DPCs for FSW/SFC. (McKoy) 	6.0
9.0	McKoy	<ul style="list-style-type: none"> see Subsystem 6.0 	9.0
11.0	Stassi/ Fan	<ul style="list-style-type: none"> Working on GOES B1 navigational Read program, converting it from Fortran 77 to Fortran 90. (Fan) Starting to integrate the GMS Read program (C code) into GGEO. (Stassi) 	
CERESlib/ Fan		<ul style="list-style-type: none"> Created a Solaris version of CERESlib on saisu31 to be mounted to Solaris machines. (Stassi, Griffin) Divided reference_grid module into 3 modules: grid_routines, grid_nest_routines, and grid_values. This keeps reference_grid manageable and simplifies process of switching grid systems. User interface has not changed. (Stassi) Added tests to test_suite for the nested grid routines and PARAMETERS. . (Stassi) 	The SGI compiler gives nonsensical error messages when trying to compile the 1-deg grid code, even though it compiles the 2.5 deg grid okay, and the only difference between the two are some PARAMETER values. NAG compiles both grids without any problems.
CM	Olaisen	<ul style="list-style-type: none"> Continued working on the draft of the updated CM Plan. 	<ul style="list-style-type: none"> Need latest version of Informix to set up the CM system.