

**Table 1: May 15, 1996 - Subsystem Status.**

SS No.	SS Lead	Status	Problems
1.0	Escuadra	<ul style="list-style-type: none"> <li>Data Products Catalog updates completed. Review in progress.. (Escuadra)</li> <li>Work on IES and BDS read routines in progress. (Escuadra, Cooper)</li> <li>Draft requirements spec for Solar Calibration drafted.</li> </ul>	
2.0	Chang	<ul style="list-style-type: none"> <li>Evaluated the impact of using single precision vs double precision ADM inputs for Subsystem 2.0. (Chang)</li> <li>Completed Subsystems 2.0 and 3.0 Data Product Catalog. Results passed along to Documentation. (Chang)</li> <li>Working on the files to be moved to “warlock” for ERBE data reprocessing using ERBE-like Subsystems. (Chang)</li> <li>Supporting reformatting ERBE-like output products to HDF. (Chang)</li> <li>Supported evaluation of differences in ERBE scanners on NOAA 9 and NOAA 10. Code is being prepared and validated to determine S-8 parameters at spacecraft intersection points based on temporal and spatial constraints and scene type. (Ziegelmler)</li> </ul>	
3.0	Chang	Combined with above.	
4.1	Murray	<ul style="list-style-type: none"> <li>Used performance analyzer to determine performance measurements for cloud code. Tested potentially performance enhancing modifications to VINT to find most efficient method of computation. Performed comparisons/ experiments on inefficient blocks of code especially related to f90 compiler power function. (Sun-Mack)</li> <li>Identified and corrected a problem in the Production Sun-glint algorithm. Worked with DAAC personnel as they ran the Clouds Production Level Stress Test and the Monthly test. Worked to get the Cloud Retrieval code to compile with the SGI f90 compiler. Made modifications to code and was ultimately successful. Ran several days to determine performance improvement: 4.1-4.3 now runs in about 1.5 hours (used to take 2.25 hours). (Murray)</li> </ul>	
4.2	Murray	Combined with above.	
4.3	Murray	Combined with above.	

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4.4	McKinley	<ul style="list-style-type: none"> <li>Submitted delta delivery to DAAC to support stress test (May 2).</li> <li>Recompiled code with SGI f90 compiler; gained about 2.5X increase in execution speed with level O2 optimization, compared to NAG f90. Level O3 optimization produced invalid results. Observed small differences (third decimal place &amp; beyond) in results, comparing SGI to NAG and between different SGI optimization levels.</li> </ul>	Need to establish multivariate validation scheme for cloud property data in CookieDough. This will require Science Team participation.
4.5	Nolan	<ul style="list-style-type: none"> <li>Continued validation of SSF data on thunder for 15-day test. (Nolan)</li> <li>Wrote Metadata Definitions Outline and presented Metadata Overview to TISA Working Group. (Nolan)</li> <li>Prepared Draft List of Tasks for Subsystems 4.5 and 4.6 Release 2 software (Nolan and Jimenez)</li> <li>Initiated testing of Subsystems 4.5 and 4.6 with SGI F90 Compiler on thunder. (Nolan)</li> <li>Held two HDF Training Classes (Jimenez)</li> <li>Met with Lee-hwa to discuss putting the ES-9, ES-4 and ES-4G into HDF-EOS format. It was decided to start with the ES-4G (Jimenez)</li> <li>Met with the Instrument team to discuss reading the HDF IES file. Assisted Denise in writing F90 code to read the file. (Jimenez)</li> </ul>	
4.6	Nolan	Combined with above.	
5.0	Coleman	<ul style="list-style-type: none"> <li>Incorporating changes provided by Fred Rose on a few of the input products. Then, ADD will be done.</li> <li>Tracking down why Subsystem 5 broke during DAAC stress test.</li> <li>Began testing with the SGI compiler on a 100-footprint run. Showing some favorable results. Still need to test with a larger data set.</li> </ul>	
7.2	Coleman	Combined with above.	
12.0	Coleman	<ul style="list-style-type: none"> <li>Learning about the DAO data that is thought to be replacing the NCEP (formerly known as NMC) data.</li> <li>Will be having a small MOA gathering this week to ensure that we know where everything is coming from for post-launch processing.</li> </ul>	
7.1	Sullivan	<ul style="list-style-type: none"> <li>Working on QC reports for TSI.- Raju</li> </ul>	

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8.0	Sullivan	<ul style="list-style-type: none"> <li>• see 10.0</li> </ul>	
10.0	Sullivan	<ul style="list-style-type: none"> <li>• Finished developing code to output TOA fluxes (interpolation arrays and averages) for specified validation regions to files. Ran the 15-day test successfully. Working on validating the LW data. Have plots for LW for the 15-day test.</li> <li>• Code for QC reports for SRBAVG is complete. - Raju</li> <li>• Updated organization of SRBAVG in StP. - Sullivan</li> <li>• Working on range checks on the input data for the surface algorithms - Raju, Sullivan</li> <li>• Composed Release 2 schedule - Sullivan</li> <li>• Attended HDF class, and continuing design of SRBAVG and AVG/ZAVG in HDF. - Sullivan, Raju</li> </ul>	
6.0	McKoy	<ul style="list-style-type: none"> <li>• Updating the DPC. (McKoy)</li> <li>• Developed list of Release 2 issues. Started to work on the items on this list. (McKoy)</li> <li>• Shonda O'Beirne is familiarizing herself with the subsystem so that she can assist with Release 2 items.</li> </ul>	
9.0	McKoy	<ul style="list-style-type: none"> <li>• see Subsystem 6.0</li> </ul>	
11.0	Stassi	<ul style="list-style-type: none"> <li>• Working on DPC entry for GGEO. (Stassi)</li> <li>• Re-tarred subsystem for delivery to DAAC for Stress Test. (Stassi)</li> <li>• Compiled a list of Release 2 issues. (Stassi)</li> </ul>	
CERESlib/ Fan		<ul style="list-style-type: none"> <li>• Compiled most of CERESlib with the new version of SGI F90 compiler. Sent memo to users explaining how to link to this version of CERESlib. (Stassi)</li> </ul>	
CM	Olaisen	<ul style="list-style-type: none"> <li>• Delta Deliveries for Subsystems 4.4 and 5.0 were delivered to the DAAC.</li> <li>• The CM Team met with the Documentation Team to discuss the procedures for maintaining CERES documents under configuration control. The results of this meeting will be incorporated into the updated CERES CM Plan.</li> </ul>	