

**Table 1: May 29, 1996 - Subsystem Status.**

SS No.	SS Lead	Status	Problems
1.0	Escuadra	<ul style="list-style-type: none"><li>• IES read routine completed and delivered to Chuck.</li><li>• Crosstrack and alongtrack angle problems in IES fixed.</li><li>• BDS routine to create pre-ES8 in progress.</li><li>• 4 hours of ERBE data run with updates to instrument coefficients and new ephemeris file from Kam-Pui.</li></ul>	
2.0	Chang	<ul style="list-style-type: none"><li>• Working on the files to be moved to “warlock” for ERBE data reprocessing using ERBE-like Subsystems. (Chang)</li><li>• Supporting creating input PRES8 files from BDS files. (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.	

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4.1	Murray	<ul style="list-style-type: none"><li>• Modified Vint algorithm to change from F90_powi to F90_multiplication. Code speed improved about 10%. (Sun-Mack)</li><li>• Received new version of VINT algorithm with night time cloud property-determination algorithms. Modified the VINT interface where appropriate. (Sun-Mack)</li><li>• Communicated with Todd Berendes (Welch algorithm contact) and gave him cvd timing results on his algorithm. (Sun-Mack)</li><li>• Showed both Kam-Pui Lee and Chuck McKinley how cvd performance analyzer works. (Sun-Mack)</li><li>• Received new spacial coherence algorithm from Jim Coakley. Had a meeting with Bryan Baum to discuss how the algorithm works in principle. (Sun-Mack)</li><li>• Completed a re-run of Clouds portion of 15 day TiSA test to test new algorithms delivered and certain performance enhancements. Ran clouds to produce 348 of 360 SSFs. Of the remaining 12, 10 are due to lack of data. Only 2 are due to Science Algorithm Failure. Overall, Clouds 4.1 and 4.4 showed marked improvements with the use of the SGI f90 compiler. 4.1-4.3 runs at about 1 hour 20 minutes, 4.4: 30 minutes, and 4.5-4.6 in a few minutes. (Murray)</li><li>• Began integration of the HIRS CO2 slicing algorithm into the Cloud Code. (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>• Ran 4.4 with cvd and identified bottlenecks. Working to optimize those areas.</li><li>• Obtained HDF IES files and read module from Instrument team; working to integrate with 4.4.</li></ul>	<ul style="list-style-type: none"><li>• Need to establish multi-variate validation scheme for cloud property data in CookieDough. This will require Science Team participation.</li></ul>
4.5	Nolan	<ul style="list-style-type: none"><li>• Completed testing of Subsystems 4.5 and 4.6 with SGI F90 Compiler on thunder. (Nolan)</li><li>• Submitted modified surface flux modules to CERESlib (Nolan)</li><li>• Completed testing/study of Subsystems 4.5 and 4.6 using single precision ADMs. (Nolan)</li><li>• Began tracking down precision differences in results from the SW Surface flux model A algorithm using different compilers.(Nolan and Volpato)</li><li>• Began work on formatting Subsystem 4.5 QC Report (Nolan and Volpato)</li><li>• Continued work to create ES-4G in HDF-EOS format. (Jimenez)</li><li>• Built HDF-EOS library on thunder. (Jimenez)</li><li>• Assisted Denise in writing an F90 read routine for the HDF IES file. (Jimenez)</li><li>• Met with members of the TISA working group to discuss creating products in EOS-HDF (Jimenez)</li></ul>	
4.6	Nolan	Combined with above.	

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5.0	Coleman	<ul style="list-style-type: none"><li>Finished incorporating changes provided by Fred Rose in ADD, which is now ready for final editing by documentation team.</li><li>Redelivered three modules to the DAAC to fix what broke during the stress test. The tuning code was set up to terminate subsystem processing if some combination of circumstances was met. This was modified to just go on to the next footprint instead.</li></ul>	
7.2	Coleman	Combined with above.	
12.0	Coleman	<ul style="list-style-type: none"><li>Modifying Regrid MOA Subsystem to use DAO meteorological data instead of the NCEP counterpart.</li><li>Had a MOA meeting on May 16th to iron out Release 2 issues. Notes from that meeting have been distributed to all the MOA users.</li></ul>	
7.1	Sullivan	<ul style="list-style-type: none"><li>Finished QC reports for TSI, working on QC reports for GGEO (SS 11)- Raju</li><li>Made the TSI code more flexible to eliminate dependencies on the grid - Raju</li></ul>	
8.0	Sullivan	<ul style="list-style-type: none"><li>Code for QC reports for AVG/ZAVG is complete. - Raju</li></ul>	

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10.0	Sullivan	<ul style="list-style-type: none"> <li>• Tested the geo-interpolation code , which will be run at the DAAC for the month/stress test. Added range checks on the GGEO data being read and other code modifications. Prepared the tar file, which includes modified code and new makefiles, and the Delivery Memo for a delta delivery for Release 1. Notified the DAAC of this delivery- Sullivan</li> <li>• Implementing code to perform range checks on the output product SRBAVG - Raju</li> <li>• Read HDF-EOS Grid documentation and have a design for SRBAVG using the HDF Grid API. - Sullivan</li> <li>• Validation - adding code to output the actual hours of data with the interpolated data for the TOA fluxes.</li> </ul>	
6.0	McKoy	<ul style="list-style-type: none"> <li>• Updating the DPC. Waiting on CRS and SSF (McKoy)</li> <li>• Working on averaging algorithms. (McKoy)</li> <li>• Writing code for QC reports for FSW/ SFC (Yue).</li> <li>• Working on software to be used for validation purposes. (O'Beirne).</li> <li>• Delivered delta delivery to the DAAC (McKoy)</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>• Met with Dave Young to discuss the GMS B1 read program. (Stassi, Fan)</li> <li>• Working GMS B1 read program into GGEO subsystem design. (Stassi)</li> <li>• Studying GOES B1 read program. (Fan)</li> <li>• Completed draft for QC reports. (Raju)</li> </ul>	

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CERESlib/ Fan		<ul style="list-style-type: none"><li>Modified surface model modules so they compile with both NAG and SGI compilers. (Nolan)</li></ul>	
CM	Olaisen	<ul style="list-style-type: none"><li>Delta Deliveries for Subsystems 11.0, 6.0 &amp; 9.0, and 5.0 were validated and delivered to the DAAC.</li><li>A summary of the procedures for maintaining CERES documents under configuration control was written. This will be included in the updated CERES CM Plan.</li></ul>	