Table 1: July 21, 1999 - Subsystem Status.

SS No.	SS Lead	Status	Problems
1.0	Escuadra /Cooper	• Continuing work on updates to SS1 for Terra launch, in scripts and code. (Anselmo, Cooper, Escuadra, Rodier) • Continue integration of updates to the Instrument Subsystem for the Terra launch version of SS1. (Rodier) • Continue work on the CERES File Management Database. (Rodier) • Continue work on the QC Post-Processor. (Anselmo, Escuadra) • Received the DPREP data for the Terra Alpha test and running it through SS1. A problem was found in the Metadata initialization routine for 7-9-99. The problem is related to the number of input files now used due to the 2-hour ephemeris/attitude data files. (Cooper) • Completed work on the Solar Angle program updates. Updated filenames to reflect which spacecraft, so that Terra can be added to the web page. (Cooper) • Updated the Instrument Working Group page to use the new Solar Angle filenames and file formats for Beta Angle plots and tables. Added Terra to the list of options. (Filer) • Continue work to gather data for Kory to develop the updates to the Count Conversion equation. (Spence) • Working to determine why the differences in the radiances between the last and newest versions of the BDSs for 1-9-98. (Spence) • Tracking down the missing QuickLook flag for Terra. The Instrument QuickLook flag is being set, but the flag used by EDOS for processing is not being set to 1. Looking to see if another bit in the Packet Status spare word is being set instead. (Anselmo, Cooper, Escuadra, Spence, Rodier) • Continue operational support for TRMM and Terra. (Weaver)	

Table 1: July 21, 1999 - Subsystem Status.

SS No.	SS Lead	Status	Problems
2.0	Chang/ Nolan	• Completed modifications to the production version of the inversion code to use version 1 of Slope-Intercept Spectral Correction Module. A second version of the Slope-Intercept Spectral Correction Module.is being developed. (Nolan) • Worked with Erika Geier to compare ES-8's produced using old and new spectral correction algorithms. (Nolan) • Documented Subsystem 2.0 changes for the next DAAC delivery. (Chang) • Initiated testing of Lee-hwa's latest changes to Subsystem 2.0, before incorporating Slope-Intercept Spectral Correction Module. (Nolan) • Tested ES-8 HDF read software with 5-record ES-8 HDF-EOS file. Currently writing code to produce a formatted output file of the ES-8 HDF-EOS 5-record file, that is similar to the 'hdp dumpsds' output. Successfully completed the SDS formatting, and now writing the Vdata formatting. This code uses calls to HDF functions to provide information about SDSs and Vdatas, only given the ES-8 filename. (S.Kizer)	

Table 1: July 21, 1999 - Subsystem Status.

SS No.	SS Lead	Status	Problems
3.0	Chang/ Kizer	• Worked on ES4 and TISA difference programs by converting ES4 from 2.5-deg equal-angle to 1-deg equal-angle, generating ES4 plot with 1-deg, and generating ES4 and TISA/SRBAVG difference plots. (Liu) • Continued modifying the ES-4 HDF conversion program that separates the SDS parameters into vgroups. (Halverson, Hoffman) • Continued modifying the ES-9 HDF conversion program to correspond to the ordering and grouping of the parameters as in the ES-4 HDF file. (Halverson, Hoffman) • Continued to generate compare program to verify the data in the new ES-4 HDF file is the same as the original ES-4 HDF file. (Halverson, Hoffman) • New version of ES-4 HDF and ES-9 file format was verified using Kam-Pui's newly modified "view_hdf" package. (Halverson, Hoffman) • Retrieved newest prepared version of ERBE-Like software from Lee-hwa. Continue testing of subsystem software to become more familiar with code. (Kizer)	

Table 1: July 21, 1999 - Subsystem Status.

SS No.	SS Lead	Status	Problems
4.1	Murray	• Worked on the evaluation of the archival data product ordering system for ES8. (R. Brown) • Worked on CWG web page to get Javascript time function to work with new Action Item Utility. (R. Brown) • Received a copy of the Goddard Subset MODIS file in at-launch format. Studying the differences between at-launch format and the simulated MODIS file that we previously received. There are quite a few differences. Will have to modify all the attribute access routines. Worked with Kam-Pui Lee on using view_hdf to read this MODIS file for future. (Sun-Mack) • Met with Kazu to give him what we have on nighttime VINT and spatial coherence algorithms. Communicated with Larry Stowe on how we calculate reflectances from radiance values. (Sun-Mack) • Validated the updated CRH files produced during the DAAC run of January 1998. (Sun-Mack/Murray) Identified and corrected a problem in southern hemisphere which was traced to the Start-up map. Produced a corrected map for inclusion in the re-delivery. (Sun-Mack/Chen) • Completed testing of the script modifications to correctly delete the temporary CloudVis and Subset CloudVis files. (Murray) • Began staging data to run January 1986 (NOAA9-ERBE-AVHRR) and January 1998 (TRMM-PFM-VIRS) in order to do some intercomparison of Cloud Properties. (Murray) • Completed preparations on a delivery package and sent it to CM. (Murray/Miller)	
4.2	Murray	Combined with above.	
4.3	Murray	Combined with above.	

Table 1: July 21, 1999 - Subsystem Status.

SS No.	SS Lead	Status	Problems
4.4	Miller	• Redelivered convolution with correction to overlap area. (Miller) • Updated Test Plan with comments from DAAC; prepared Test Plan for new delivery. (Miller) • Evaluated January 1998 ValidationR4 processing. (Miller) • Created daily binary QC files for ValidationR4 for web page. (Miller) • Access ES8 through the ECS ordering tool. (McKinley) • Updated convolution documentation in StP. (McKinley)	
4.5	Nolan	• Initiated work to update sample ASCII file generator to use 3 sampling strategy parameters. (Nolan and Whitley) • Completed work on monthly PCF generator and execution scripts for SSF subsetting code. (Nolan) • Updated and tested software which create SSF monthly average input files for QC web plots. (Nolan) • Continued work on Fortran code to convert SSF HDF sdsdump output to formatted document for future updates to sample 5 record SSF read package. (Whitley) • Initiated work to convert Susan Kizer's program for producing formatted output from an HDF ES8 sample file to work with an SSF HDF sample file. (Whitley) • Began archiving validationR3 SSF subset files. (Whitley and Nolan) • Modified the SSF Binary QC-report web application and integrated it into SSF home page based Walt and Erika's requirement, and URL is http://lposun/ssf/ssfdval. (Liu)	
4.6	Nolan	Combined with above.	

Table 1: July 21, 1999 - Subsystem Status.

SS No.	SS Lead	Status	Problems
5.0	Coleman	• Preparing first draft of CRS Collection Guide. (Coleman) • Testing logic to write a header to the hourly surface albedo update files. (Coleman, Caldwell) • Continued working on combining Main SARB processor and HDF post-processor scripts into one data stream. This includes combining both ascii and pcf file generators for these processors into just one ascii and pcf file generators. (Caldwell)	
7.2	Coleman	Combined with above.	
12.0	Coleman	• Working with the DAAC to resolve how to archive the ECMWF data. (Kizer, Coleman) • Began studying purposes and design of Subsystem 12. Read appropriate ATBD. (Caldwell) • Began modifications to moa_io for inclusion of subroutines for accessing ECMWF skin temperature data from MOA data files. Since data are only available every 6 hours, the subroutines would obtain the closest two temperature values to be used for interpolating each hour. (Caldwell, Kizer) • Modifying and testing Regrid MOA Subsystem to ingest pre-processed ECMWF data. (Kizer)	
7.1	Nguyen/ Raju	• Testing SS7. Modified codes for SS7 to run. (Nguyen)	
8.0	Raju/ Nguyen	Combined with below.	
10.0	Nguyen/ Raju	• Completed test plan and operator's manual. Submitted both to CM. (Nguyen) • Corrected errors in the delivery. (Nguyen) • Took one week vacation. (Nguyen and Raju)	
6.0	McKoy	• Delivered Subsystem 6.0 and 9.0 to CERES CM.	
9.0	McKoy	Combined with above.	

Table 1: July 21, 1999 - Subsystem Status.

SS No.	SS Lead	Status	Problems
11.0	Stassi/ Fan	• Continued work on the development of an IDL program to preview ISCCP raw data for all four satellites. It allows user to select one hour, one day, one month, or the same hour of every day. (Fan) • The blob for July 1998 METEOSAT data appears to be the sun creeping around the Earth's northern pole at the midnight hour. The data from this hour is not used anyway, so this does not appear to be a problem. (Stassi, Fan) • Reviewed the METEOSAT raw data quality for entire year of 1998 using the IDL program. (Bolduc) • Completed final modifications to the GOES-8 Data Filter paper. (Stassi)	
CERESlib Stassi/ Fan		• Fixed a problem in write_meta.f90 for GGEO and another one for the SUN platforms. The SUN C complier needs passing by reference instead of passing by value. (Fan) • New Toolkita5.2.5 is available for testing. (Griffin, Flippo, Stassi, Fan)	

Table 1: July 21, 1999 - Subsystem Status.

SS No.	SS Lead	Status	Problems
CM	Ayers	• Assisted Carla Franklin with solving a problem she experienced while testing the Cloud's delivery. (McKoy) • Began determining the status of SCCRs in the CM system and closing out the SCCRs that have been completed. The option to 'Close' a SCCR was modified for CERESLib SCCRs. When a CERESLib SCCR is 'Closed', all associated SCCRs are 'Closed' also. (McKoy) • Retrieved the On-line Action Item utility used by the Cloud's subsystem from Ricky Brown and modified it to work for CERES CM. (McKoy) • Began working on the design of the Documentation CM system. (McKoy) • Tested the following CERES subsystems and released them to the Langley DAAC: TISA Gridding (Subsystems 6.0 and 9.0) on 7/6/99, TISA Averaging (Subsystem 10) on 7/12/99, and Clouds (Subsystems 4.1-4.4) on 7/16/99. (Franklin) • Updated the Lessons Learned document for the Pre-Terra Deliveries of CERESlib, TISA Gridding, TISA Averaging, and Clouds. (Franklin)	
IST	Flug	• No new updates.	