DAAC/ECS STATUS Table for August 20, 1997

Release	DESCRIPTION	Status	Problems/Comments
Pre-Release B Testbed	**HW/SW Installations**	Testbed v1.2 upgrade in progress at the Langley DAAC; has been successfully installed at GSFC and EDC; in acceptance testing at NSIDC Testbed v1.3 upgrade due for release this week	
	SSI&T	After several problems in various phases of job execution, the main processor for Subsystem 11 was successfully executed. One problem in which the metadata files for the output were not been generated when the job ran through PDPS, turned out to be a problem with the version of the Toolkit we were using. This problem which only occurs when running through PDPS is fixed by using the version of the toolkit delivered with Testbed v1.2. SSI&T on the post processor is in progress.	
DAAC TRMM Processing System (LaTIS)	**Definition/ Development**	One more interface is operational: the Canadian AES is transferring ISCCP B1 data approximately every 3 hours. Last week the production generation development team successfully executed a PGE in an automated fasion using the Big Sur technology.	
	SSI&T	Completed SSI&T of Clouds and Instrument (redelivery). In the process of SSI&T of Inversion. See chart below for details.	
	Other	DAAC is supporting the TRMM 30 day test. Processing of this data is underway.	

Release	DESCRIPTION	Status	Problems/Comments
Release B	**HW/SW Installations**	The COTS software installation (the second of three stages in the Release B installation process) has begun at Langley. Approximately 70 COTS products support the Release B design.	
	ESDTS	No Activity	
	SSI&T	None	
	Other	The mission-critical elements of Release B were demonstrated to Project, DAAC, and Instrument Team representatives on 08/27. 21 of 25 functional elements were judged to have been met fully; 4 of 25 elements were judged to have been met partially. The consensus from those who attended was that the demo was a success. The COTS software installation (the second of three stages in the Release B installation process) has begun at Langley. Approximately 70 COTS products support the Release B design.	

Status of Release 2 CERES SSIT at the LaRC DAAC (9/2/97)

Subsystem	Delivery Date of accepted delivery	Delivery Content Verified and Accepted	Delivery placed under CM	Compile and link with SCF toolkit	Run test cases with SCF toolkit cmd line	Run test cases using Codine	Production Volume Stress Test	Comments
1.0	06/26/97 08/27/97	06/30/97 08/27/97	07/01/97 08/28/97	07/02/97 08/28/97	07/03/97 08/28/97	07/03/97 08/30/97	08/30/97	Redelivery for 30 day test 8/27/97
2.0 & 3.0	06/16/97	06/17/97	06/23/97	06/19/97	06/23/97	07/02/97	07/17/97	
4.1-4.4	08/15/97	08/19/97	08/19/97	08/21/97	08/25/97	08/26/97		
4.5-4.6	08/22/97	08/26/97	08/28/97	08/30/97				
5.0								
6.0								
7.1								
7.2								
8.0								
9.0								
10.0								
11.0	08/01/97	08/05/97	08/05/97	08/07/97	08/07/97	08/08/97		
12.0	07/18/97 08/01/97	07/22/97 08/05/97	07/25/97 08/06/97	07/25/97 08/05/97	08/06/97	08/08/97	08/08/97	* Error during runtime caused redelivery
cereslib	06/06/97 06/17/97 redelivery 08/01/97+	06/09/97 06/18/97 08/04/97	06/10/97 06/23/97 08/05/97	06/10/97 06/18/97 08/05/97	06/10/97* 06/18/97 08/05/97	N/A N/A NA	N/A	*One module failed test with SGI compiler. +Delivery for SS 11

Status of Release 2 CERES SSIT on the ECS Pre-Release B Testbed at the LaRC DAAC (9/2/97)

Subsystem	Delivery Date of accepted delivery	Delivery Content Verified and Accepted	Delivery placed under CM	Compile and link with SCF toolkit	Run test cases with SCF toolkit cmd line	Compile and link with DAAC toolkit	Run test cases with DAAC toolkit cmd line	Register ESDTs and update PDPS with ESDT metadata	Created PGE metadata (PCF info)	Created metadata for input test data	Created Science Software Exec Package	Create DPR and run jobs through PDPS
11.0	08/01/97	08/08/97	08/11/97	08/11/97	08/11/97	08/12/97	08/12/97	08/13/97	08/15/97	08/18/97	08/19/97	08/29/97*
cereslib	08/01/97	08/08/97	08/11/97	08/11/97	08/11/97	08/11/97	08/11/97	N/A	N/A	N/A	N/A	N/A

Issue: ESDTs and MCF files did not match. Additional metadata was added to the ESDTs; however, the CERES Product Specific Atrributes were not in the correct structure causing a problem when comparing against the ESDTs. CERES delivered the MCFs.

Issue: The Subsystem 11 main and post processors which are considered separate PGEs were combined into one test script. The use of multiple PCF files is not allowed. Separate scripts to run each process were delivered.

Issue: All output files must have corresponding metadata (this includes QC reports, etc). Metadata was not currently being produced for QC reports. New code was delivered.

Issue: ESDTs delivered by ECS for the ISCCP test data were incorrect and needed modification. Metadata files for this data needed to be created.

Issue: *Successful execution of the Main Processor for Subsystem 11 on 8/29/97. Execution of Post processor is underway.

CERES Release 2 DAAC Performance Measurements - 9/2/97

One execution on LaTIS configuration of each PGE at production-level volume expected for TRMM launch.

SS	PGE	Compiler	Test Date	Time,sec			Block Operations		Peak Memory MB	Disk Storage, MB					Runs per Mnth
				Wall	User	System	Input	Output		Input	Temp	Interm	Arch	Logs	
1.0	Instrument	Ada	08/30	13952	13335	424	27397	7428	1320.3	106	0	303	387	0.9	31
2.0	Daily TOA Inversion	SGIF90	07/16	288	276	9	4334	5	3.3	284	284	13	487	.02	31
3.0	Monthly Averaging	SGIF90	07/17	569	400	130	4890	230	15.7	403	410	0	140	1.7	1
4.1	Cloud Retrieval														
4.4	Footprint Convolution														
4.5	TOA/Surface Fluxes														
5.0	Instantaneous SARB														
7.2	Synoptic SARB														
12.0	MOA Regridding	NAG 32bit	08/08	1633	1548	29	35672	29	40.5	709	0	0	319	.001	31
11.0	Grid Geostationary														
11.1	Sort GGEO														
9.0	Surface Gridding														
9.1	Sort SFC Files														
12.1	Post-process MOA														
10.0	TOA/SRB Averaging														
6.0	Atmos. Gridding														
6.1	Sort FSW Files														
7.1	Synoptic Interpolate														
8.0	Synoptic Averaging														
System Total															

System total: multiply each PGE measure by the number of Runs per Data Month for that PGE, then add all PGE's. Some PGE's will require more resources for each instrument on EOS-AM and EOS-PM.