DAAC/ECS STATUS Table for August 20, 1997

Release	DESCRIPTION	Status	Problems/Comments
Pre-Release B Testbed	**HW/SW Installations**	Release 1.2 will be installed next week. Release 1.3 will be available in September.	
	SSI&T	SSI&T of CERES Subsystem 11: Command line runs of Subsystem 11 were successful for both the SCF and DAAC toolkits. Preparations to run through PDPS have been taking place. Several metadata, PCF issues have been raised. An example includes the placement of PSAs in the MCF file. In order for the ESDT and MCF to match PSAs need to be placed in the InformationContent Attribute. A complete list of issues and resolutions will be provided to CERES upon completion of SSI&T on the Testbed. On Tuesday, August 19 a Data Processing Request for the GGEO Main processor was successfully created and the job was kicked off. However, the job failed during staging. It is unclear at this time what the problem is. A new listserver (SDPTOOLKIT) has been established to exchange information on Science Data Processing Toolkit (SDP TK) issues and concerns among the EOS community. You can post a message to the SDPTOOLKIT list by sending mail to "sdptoolkit@listserv.gsfc.nasa.gov". General Testbed SSI&T issues can be posted and tracked from the News Server, aitt1sun.gsfc.ecs.nasa.gov, with the Newsgroup, ecs.testbed_ssit, at GSFC.	

Release	DESCRIPTION	Status	Problems/Comments
DAAC TRMM Processing System (LaTIS)	**Definition/ Development**	We are continuing to finalize ICDs. Need comments from CERES on the agreement with the Candian AES for ISCCP B1 data. Now getting DAO data on a regular basis. Has there been any further decision by CERES on when to move to Toolkit 5.2? Has there been any further discussions/consensus on compiler issues (ie. NAG 32 vs NAG 64 vs SGI 7.1 vs SGI 7.2) Looking at revising DPREP to create single day ephemeris files from the the 9 day all-days ephemeris as requested by Denise.	
	SSI&T	Received delivery of Subsystem 4.1-4.4 on LaTIS. Awaiting new delivery of Subsystem1. See SSI&T Status Chart below for details.	
	Other	DAAC is supporting the TRMM 30 day test. Data arrived yesterday (LZ 54 and 55 for 1/31/2000 and the corresponding attitude and ephemeris data). Processing of this data is underway.	
Release B	**HW/SW Installations**	No Activity	
	ESDTS	No Activity	
	SSI&T	None	
	Other	ECS August demo will be conducted on August 28 in the "mini-DAAC" facility in Landover. PGE's from Landsat 7, ASTER, and MODIS will be used to test the critical functions of the Rel.B0' system. Richard McGinnis will be the LaRC DAAC attendee.	

Status of Release 2 CERES SSIT at the LaRC DAAC (8/20/97)

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	06/30/97	07/01/97	07/02/97	07/03/97	07/03/97		
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					
4.5-4.6								
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		* 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

CERES Release 2 DAAC Performance Measurements - 7/23/97

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

SS	PGE	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													
2.0 3.0	Daily TOA Inversion Monthly Averaging	07/16 07/17	288 569	276 400	9 130	4334 4890	5 230	3.3 15.7	284 403	??? ???	13 0	487 140	.02 1.7	31 1
4.1 4.4	Cloud Retrieval Footprint Convolution													
4.5	TOA/Surface Fluxes													
5.0 7.2 12.0	Instantaneous SARB Synoptic SARB MOA Regridding													
11.0 11.1 9.0 9.1 12.1 10.0 6.0 6.1 7.1 8.0	Grid Geostationary Sort GGEO Surface Gridding Sort SFC Files Post-process MOA TOA/SRB Averaging Atmos. Gridding Sort FSW Files Synoptic Interpolate 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.