DAAC/ECS STATUS Table for February 18, 1998

Release	DESCRIPTION	Status	Problems/Comments
LaTIS	**Definition/ Development**	Automated Product Generation: - The latest version of the Product Generation Database has been promoted and is in Testing. This version has Referential Integrity Constraints implemented and they have been found to be quite devious. - An earlier version of the Product Generation Database has been running Automated since February 5th. Few problems have been found. However, it did not automatically run for 2/9 & 2/11. This is being analyzed. Important Issues: - Progress has been hampered due to Merlin's Performance. What should only be taking approximately 1 minute to execute it is now taking approximately 20 mins. to 3 hours. (This is our Test Machine). (Bob Ignacio, Tina Rogerson, Yantao Shi)	
	SSI&T	-Installation and test of Clouds Subsystems is complete after running several tests which produced different outputs from the delivered expected results. With Tim Murray's investigation, it was finally discovered that the utcpole.dat at the DAAC's Toolkit differs from the one at the SCF's Toolkit. - SSI&T of TISA Avg is in progress.(Sukdee Storaasli)	
	Production	-CERES Subsystem 12 placed in production 2/6/98. MOA has been produced from December 17, 1997 through January 30, 1998 except for 4 runs which have been unsucessful. Working with Ed Kizer to determine what the problems are with those runs. Future MOA runs are awaiting input data from DAO. - Cloud Retreival/Footprint Convolution Subsystems 4.1-4.4 are being placed in production this week. Problems with the differences in the comparison of the output against expected during SSI&T delayed promotion. Problem turned out to be the use of different utpole files at the SCF and DAAC (SCFs had not been updated recently). (Jill Travers)	
	Other	- Runs are being made with the SSF and CRS output from the test of 10/86 through TISA (Jill Travers)	

Release	DESCRIPTION	Status	Problems/Comments
Version 2.0 (Release B)	**HW/SW Installations**		
	ESDTS	- CERES (Maria) provided an updated metadata requirements document (2/13) providing modifications to CERES metadata and PSA list. - ESDT information on valids for SS-11 data sources and PSA string data types have been provided to CERES. A file containing ECS metadata writing code examples has also been provided. (Haldun Direskeneli)	
	SSI&T	- No activity.	
	Other	Received word from Richard McGinnis and from Richard Ullman on Thursday 2/12/98 that the proposal to do CERES AM processing on LaTIS instead of ECS has been approved. Is CERES interested in future updates of ECS status? (Jill Travers) - CERES metadata will be needed by ECS in V2.0 for users, client access including JEST and external interfaces. Additional ECS involvement will depend on the final archival and distribution options for CERES products. (Haldun Direskeneli)	

Status of Release 2 CERES SSIT at the LaRC DAAC (02/18/98)

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 10/24/97 01/23/98	06/30/97 08/27/97 10/26/97 01/26/98	07/01/97 08/28/97 10/27/97 01/26/98	07/02/97 08/28/97 10/27/97 01/26/98	07/03/97 08/28/97 10/28/97 01/27/98	07/03/97 08/30/97 10/30/97 01/27/98	08/30/97	
2.0 & 3.0	06/16/97 12/17/97	06/17/97 12/18/97	06/23/97 12/18/97	06/19/97 12/19/97	06/23/97 12/19/97	07/02/97 12/22/97	07/17/97	
4.1-4.4	08/15/97 11/14/97 02/02/98	08/19/97 11/18/97 02/05/98	08/19/97 11/18/97 02/05/98	08/21/97 12/02/97 02/06/98	08/25/97 12/02/97 02/17/98	08/26/97 12/03/97 02/17/98	08/26/97	
4.5-4.6	08/22/97 12/04/97 02/12/98	08/26/97 12/08/97	08/28/97 12/09/97	08/30/97 12/11/97	09/02/97 12/12/97	09/03/97 12/16/97	09/17/97	
5.0	09/11/97 11/28/97 02/12/98	09/12/97 12/03/97	09/15/97 12/05/97	09/16/97 12/05/97	09/16/97 12/08/97	09/17/97 12/08/97	10/30/97	
7.1	01/20/98							
7.2	01/22/98							
6.0/9.0	01/09/98	01/13/98	01/13/98	01/14/98	01/16/98			
8.0	01/20/98							

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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
10.0	01/20/98							
11.0	08/01/97 10/10/97	08/05/97 10/14/97	08/05/97 10/14/97	08/07/97 10/16/97	08/07/97 10/16/97	08/08/97 10/17/97		
12.0	08/01/97 12/12/97 01/23/98	08/05/97 12/22/97 01/26/98	08/06/97 12/22/97 01/26/98	08/05/97 12/29/97 02/03/98	08/06/97 12/30/97 02/03/98	08/08/97 12/30/97 02/03/98	08/08/97	
CERESlib	06/17/97 08/01/97+ 10/03/97* 10/31/97- 12/04/97 12/23/97 01/20/98 02/13/98	06/18/97 08/04/97 10/06/97 11/04/97 12/09/97 01/02/98 01/22/98	06/23/97 08/05/97 10/07/97 11/04/97 12/09/97 01/02/98 01/22/98	06/18/97 08/05/97 10/07/97 11/06/97 12/09/97 01/09/98 01/23/98	06/18/97 08/05/97 10/07/97 11/06/97 12/09/97 01/09/98 01/23/98	N/A N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A N/A	+Delivery for SS 11 * Delivery for TK5.2 - Delivery for SSF - With Toolkit 5.2.1

CERES Release 2 DAAC Performance Measurements -02/18/98

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/ QC	
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/	SGIF90	08/26	4481	4384	52	3174	13	323.1	312	0	1167	30	36.0	744
		SGIF90	02/13	5341	5203	63				428.7		756.4		1.74	
4.4	Footprint Convolution	SGIF90	02/13							48.2				67.6	
4.5	TOA/Surface Fluxes	SGIF90	09/17	162	33	126	52	13	2.9	215	0	0	201	0.08	744
5.0	Instantaneous SARB	SGIF90	10/30	27150	26785	190	3412	4	224.9	247	0	0	253	.001	744
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	NAG 32bit	11/11	77816	77137	200	17225	4	25.6	1180	0	178	0	1	4
11.1	Sort GGEO	NAG 32bit	11/21	10732	3484	3040	13820	3	2.5	588	0	0	568	.001	1
9.0	Surface Gridding	NAG 32bi	01/17	524	423	75	5861	9	107.6	5767	0	13	0	.001	744
9.1	Sort SFC Files														
12.1	Post-process MOA														
10.0	TOA/SRB Averaging														
6.0	Atmos. Gridding	NAG 32bit	01/17	602	471	96	5755	6	108.1	5769	0	15	0	.001	744
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.