

# **GDAAC Notes for MODIS Technical Team Meeting (9/3/98)**

## **WEEKLY HIGHLIGHTS:**

- Numerous patches received from SDST to address error list information. Several ahead of schedule. Error lists now in place for PGEs 1 (MOD\_PR01), 2, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16.
- Formally installed and checked out Drop 4PL in two modes.
- Provided a preliminary list of milestones on activities leading up to launch readiness to R. Murphy.

## **WEEKLY PLAN:**

- Install and checkout patch 4PL.01
- Commence Acceptance testing of Drop 4PL
- Initiate early SSI&T activities on Drop 4PL (build MAPI, SDST Tk, SMF compilation)

## **WORK IN PROGRESS AND FUTURE:**

- Transfer of 24 hours of test data is imminent from SDST to GDAAC to ECS/Landover
- Updated README files containing error lists needed for PGE01 (MOD\_PR03), PGE03, PGE04, PGE05.
- As L1B file spec is updated and baselined (9/15?), coordination among SCFs, SDST and DAAC imperative to successful testing and implementation of science software
- PGEs 10 and 16 on hold. Production Rule information needed from SDST to complete integration of these PGEs. PGE 17 and 19 integrated with GDAAC specified production rules. Verification of successful integration needed from SDST.
- L1B Data volume increase  
Given the volume increase, DAAC will run out of archive space 3.3 years into the mission. If the volume increase issue is resolved by L + 12, then the problem will be alleviated.
- MODIS-DAAC Science Agreement distributed to SDST and STMs for comment 6/98  
- Comments needed by 8/30/98

## **ECS-SYSTEM**

**STATUS: YELLOW**

Problem: Full integration of PGEs into the ECS on hold until system installation and checkout complete and system stability is achieved.

- Drop 4 in SSIT mode (TS1), Drop 4PL in Test mode (TS2) and in TS3.

## **MAPI / SDST TK**

**SSIT STATUS: YELLOW**

- Lien established for Error List, work-off by 7/31/98. Receipt of error list pending.

## **OCEAN\_LIB**

**SSIT STATUS: GREEN**

- Delivered 4/15/98; Inspection complete; Build complete.

Production readiness

Work days for SSIT	Best Case	Nominal Case	Actual
Inspection	1	3	3 (n=11)
Integration I	2	5	4 (n=20)
Integration II	3	8-15	14 (n=11)
Patch	1-4	3-8	3 (n=17)
Error Testing	4	8	4 (n=2)
Chain Testing	8	15	8 (n=2)
Total	23	54	36 (was 42)

Best Case: Little or no problems with ECS or PGE

Nominal Case: Minor problems encountered and resolved; no major blunders

Actual: Averages to date

Phases of SSI&T:

**Inspection:** Delivered Algorithm Package is inspected for contents and completeness. PGE is inspected for documentation, formats, file structures, and standards compliance.

**Integration-I:** PGE is built and run from the command line. Generated data product(s) are verified with SDST supplied comparison file(s). (**DAACbuild** for a library)

**Integration-II:** PGE is registered into ECS; including population of PDPS database. Test data is inserted into the Data Server for staging into production. PGE execution is planned and scheduled through ECS PDPS utilizing Autosys scheduler. Generated product(s) inserted into Data Server. Generated data product is retrieved from Data Server for verification.

GSFC DAAC Launch Readiness

PGE Name	priority*	Delivered	Integrated	Chained	Duty Cycle	Ops Readiness	Y	§	Launch Readiness	Notes																																																																		
PGE01 (2.1)	1	4/15/98	5/8/98	5/20/98	100%		Y	Y	expected	Lien, SDST to provide error list by 7/31/98; Error list for MOD01 complete, MOD03 pending																																																																		
PGE02 (2.0)	2	1/29/98	3/18/98	5/20/98	100%		G	G	expected																																																																			
PGE03	3	2/18/98	4/27/98	5/26/98	100%		Y	Y	expected	Lien, SDST to provide error list by 7/31/98; error list patch in progress																																																																		
PGE04	4	3/20/98	5/28/98				G	Y	expected	Lien, SDST to provide error list by 8/31/98																																																																		
PGE05	5	3/16/98	on hold				R	R	expected	Drop 4PL needed in SSIT mode to complete integration; Lien, SDST to provide error list by 8/31/98																																																																		
PGE11 (2.2)	6	1/7/98	6/8/98				G	G	expected																																																																			
PGE17	7	4/17/98	7/21/98				Y	Y	expected	Lien pending, SDST to provide error list for launch readiness; Prod rules PVL needed from SDST to verify integration																																																																		
PGE19	8	4/17/98	7/22/98				Y	Y	expected	Lien pending, SDST to provide error list for launch readiness; Prod rules PVL needed from SDST to verify integration																																																																		
PGE09	9	5/7/98	on hold				Y	R	expected	Integration to be completed when Drop 4PL available for SSIT																																																																		
PGE12 (V2.1)	10	7/17/98					G	G	contingent	Inspection and Integration I complete; ECS to provide Land Tiling 10/98																																																																		
PGE13 (V2.1)	11	7/20/98					G	G	contingent	Inspection complete, Integration I complete; ECS to provide Land Tiling 10/98																																																																		
PGE14 (V2.1)	13	7/22/98					G	G	contingent	Inspection complete, Integration I complete; ECS to provide Land Tiling 10/98																																																																		
PGE06	14	9/11/98							expected	Compiler upgrade complete, version 1.0 was successfully integrated																																																																		
PGE20	15								contingent																																																																			
PGE07 (V2.1)	16	6/8/98	7/23/98				G	G	expected																																																																			
PGE10	16	5/22/98	on hold				R	R	expected	Integration to be completed when Drop 4PL available for SSIT; Prod rules PVL needed from SDST to complete integration																																																																		
PGE49	18								contingent																																																																			
PGE50	19								contingent																																																																			
PGE53	21								contingent																																																																			
PGE54	22								contingent																																																																			
PGE69	23								contingent																																																																			
PGE56	24								contingent																																																																			
PGE16	27	6/22/98	on hold				R	R	expected	Prod rules PVL needed from SDST to complete integration; additional ESDT must be specified to complete integration; Lien pending, SDST to provide error list for launch readiness																																																																		
PGE15 (V2.1)	28	7/27/98							contingent	Inspection complete, Integration I complete; ECS to provide Land Tiling 10/98																																																																		
PGE08 (V2.1)	29	6/10/98	7/23/98				G	G	expected																																																																			
PGE51									contingent																																																																			
PGE57									contingent																																																																			
*prioritization based upon SDST schedule; some PGEs have not been prioritized																																																																												
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