

**GDAAC Notes for  
MODIS Technical Team Meeting (1/29/98)**

**ECS-SYSTEM**

**STATUS: YELLOW**

- > Drop 3 installation complete.
- > System verification and acceptance testing in progress
- > Patches must be applied to Drop 3 for compatibility with early MODIS PGEs.
- > Drop 3.x scheduled for delivery 1/30/98

**ECS-SSIT**

**SSIT STATUS: RED**

Problem: availability of Drop 3 to begin DAAC I&T delayed

- Early SSIT elements are up and running (SSIT workstations, science processors)
- > Originally scheduled availability for DAAC SSIT: 1/22/98
- Phase II Integration can not be completed until Drop 3 installation is complete and system is stable

**-->PGE02**

**SSIT STATUS: GREEN**

- > Delivered (1/28/98) DAP could not be unpacked from tape correctly.
- > Redelivered (1/29/98)

**PGE07**

**SSIT STATUS: YELLOW**

Problem: without error list documentation DAAC staff cannot take appropriate action during PGE operations, lien pending; resolution schedule pending SDST communication with algorithm developers

- Delivered (12/5/97)
- Inspection completed (12/8/97)
- Phase I Integration completed (12/13/97)
- Phase II Integration further progress pending PGE patch (12/17/97)
- > Patch delivered and installed (1/20/98); regression testing completed (1/26/98)
- > Integration II pending availability of ECS Drop 3

**PGE11**

**SSIT STATUS: RED**

Problem: Error discovered in testing at TLCF for processing more than a single granule on input; problem analysis underway by developer at TLCF; No schedule for redelivery

- Delivered (1/7/98)
- Inspection completed (1/15/98)
- Integration I completed (1/16/98)
- > Integration II pending redelivery from SDST and availability of ECS Drop 3

**PGE08**

**SSIT STATUS: YELLOW**

Problem: without error list documentation DAAC staff cannot take appropriate action during PGE operations, lien pending; resolution schedule pending SDST communication with algorithm developers

- Delivered (1/13/98)
- Inspection completed (1/15/98)
- Integration I completed 1/21/98
- > Integration II pending availability of ECS Drop 3

**V2 SSIT AGREEMENT**

**IN PROGRESS SINCE 9/97**

- Baseline agreement pending SDST feedback of 1/9/98
- PGEs delivered prior to mutually baselined agreement or non-compliant with agreement may require remedial work at the DAAC
- > DAAC making final baseline modifications based on discussions with SDST; document should be baselined by COB 1/29/98

**CONCERN:**

- > MAPI must be delivered and successfully tested at DAAC prior to receipt of first PGE that uses MAPI (PGE01). MAPI not yet received at DAAC.
- PGE01 (V2.1) availability at launch. V2.1 needed by 4/1/98 to complete SSIT and available for system certification tests.

**BACKGROUND**SSIT Status Codes:

<b>Complete</b>	PGE is ready to process data at launch in validation mode or ops mode
<b>Green</b>	No problems or Category 1 fixes only; either no liens on PGE or liens worked post-launch
<b>Yellow</b>	Problems in test; Category 2 or 3 fix pending; liens placed on PGE with workoff schedule; liens worked off by launch
<b>Red</b>	SSIT has stopped; PGE will not run in its current form; fix required before testing can continue

Categories of PGE fixes at the DAAC:

- Category 1:** GDAAC SSIT staff fix the problem in the DAAC baseline, report action to SDST and continue testing.
- Category 2:** SDST directs GDAAC SSIT staff, possibly based upon GDAAC recommendation, to fix the problem in the DAAC baseline and continue testing.
- Category 3:** GDAAC SSIT staff provides Baselined Algorithm Package to SDST to port back to TLCF for bug fixes and possible retesting. SDST then makes redelivery to DAAC.

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).
- 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.

Note: Drop 3 is our target for full SSIT as this will include a database schema change and include updated ESDTs. The ESDTs and related files (MCFs) associated with these PGEs integrated into Drop 3 should not change from integration through launch.