GSAS v3.6.1 Release Notes

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Introduction

GSAS 3.6.1 is a minor bugfix which closely followed GSAS 3.6.

The GD_IST_COI_LIM parameter was changed from 120 to 135 in ANC07_05. This is due to higher than previously seen values in the IST COI data. This should fix some data gaps caused when COI values higher than the limit were intentionally not used in processing.

GLA04 QAP is not supported in GSAS 3.6 or GSAS 3.6.1.

An L1A problem was fixed in GLA04 processing.

An error in waveform processing when no signal was detected was fixed.

Product Format/Definition Change Summary

None

Known Problems

GSAS v3.6.1 introduced no new know problems.

Release Information

The ClearCase label for this release is RELEASE_3.6.1. The release date is September 02, 2003. Version numbers have been updated to “V3.6.1 September 2003" for the following:

- wf_lib
- GLAS_L1A
- anc07_05

SMDS Impact

The distribution tarfile is on glasdev.wff.nasa.gov at the following location:

`/glasdev1/v3/dist/gsas_V3.6.1.tar.Z.`

ANC Files

A new version of the ANC07_05 file is required.

Planners

QAP04 should be removed from the L1A bundle.

Compilation

All libraries and binaries should be recompiled using the top-level Makefile. **IMPORTANT: due to internal changes in the makefiles, SDMS MUST use the command "make runtime" to ensure the software is made without debug flags.**

The process for making the libraries and binaries is as follows **(NOTE: SDMS ONLY!!)**

```
cd /install_dir/gsas_v3.6
make runtime
make install
```

Note : developers should not use the above procedure. This procedure is for SDMS only!

Detailed Change Notes

PR0000728: REL 12 L1A jobs failed due to time > POD time

The L1A bundle has been changed to exclude QAP04 as a required output. An additional, related problem has been found and addressed in PR0000737.

PR0000733: coding error in W_estimates

W_FunctionalFt_mod.f90 has an added IF loop after the original loop in question that tests for a case with no signal in the transmit pulse. It keys off the possibility that the begin/end bin indices might be zero (which is what caused the original execution termination).

PR0000737: GLA04 output granules do not close correctly when the respective instrument is off

Added a check to GLA04 granule output tests to catch a condition where processing may not end at the specified time if no data is available for a GLA04 granule.

CR0000762: Need to change GD_IST_COI_LIM in ANC07_05.

The GD_IST_COI_LIM parameter was changed from 120 to 135 in ANC07_05. This is due to higher than previously seen values in the IST COI data. This should fix some data gaps caused when COI values higher than the limit were intentionally not used in processing.