

# GSAS v3.3.1 Release Notes

## Introduction

GSAS 3.3.1 is a minor release which adds basic sanity checking for GLAS\_L0proc and GLAS\_L1A control file specifications.

## Release Information

The ClearCase label for this release is RELEASE\_3.3.1.

The release date is February 19, 2003.

Internal version numbers have been updated to “V3.3.1 February 2003” for the following:

```
./data/anc07_001_01_0000.dat
./bin/GLAS_L0proc
./bin/GLAS_L1A
./lib/err.sl
```

This should be verified during operation by checking the version information in the appropriate ANC06 files.

All other internal version numbers remain at their previous versions.

## SMDS Impact

The distribution tarfile is on [glasdev.wff.nasa.gov](http://glasdev.wff.nasa.gov) at the following location:

```
/glasdev1/v3/dist/gsas_v3.3.1.tar.Z.
```

New versions of the following anc07 data file is required:

```
data/anc07_001_01_0000.dat
```

GLAS\_L0proc and GLAS\_L1A will now die with a fatal error (status=3) if a sanity-check violation is detected. See the detailed release notes to determine what checks are performed.

All libraries and binaries should be recompiled using the top-level Makefile. The newly-created versions should be installed within the testbed (pending CCB release for operations).

## Product Changes

No product sizes were changed.

The product parameters were changed.

## Detailed Change Notes

### **CPR0000164: Sanity check duplicate APIDs in GLAS\_L0proc and GLAS\_L1A .**

Added the following sanity checks for GLAS\_L0proc and GLAS\_L1A. If a sanity check violation is detected, the PGE exits with a FATAL status (status=3)

#### **GLAS\_L0proc sanity checks:**

Cannot have more than one input of a particular GLA00 APID.

Must have at least one GLA00 input.

Must have an ANC33 input.

Cannot have more than one ANC33 input.

Must have an ANC07 input.

Must have an ANC29 output.

Cannot have more than one ANC29 output.

Must have an ANC32 output.

Cannot have more than one ANC32 output.

Must have an ANC06 output.

#### **GLAS\_L1A sanity checks:**

Must have an ANC33 input.

Cannot have more than one ANC33 input.

Must have an ANC25 input.

Cannot have more than one ANC25 input.

Must have an ANC07 input.

Must have an ANC32 input.

Must have an ANC29 input.

Number of ANC29 inputs must equal number of ANC32 inputs.

Cannot have more GLA00s of an APID type than the number of ANC29 inputs.

Must have an ANC06 output.

Must have anc ANC20 input if POSITION != PASS\_THRU

Must have GLA01 output if L\_ALT flag set

Must have same number of QAP01 outputs and GLA01 outputs

Must have ANC4501 input if GLA01 output.

Must have GLA02 output if L\_ATM flag set

Must have same number of QAP02 outputs and GLA02 outputs

Must have ANC4502 input if GLA02 output.

Must have GLA03 output if L\_ENG flag set

Must have same number of QAP03 outputs and GLA03 outputs

Must have ANC4503 input if GLA03 output.

Must have GLA0401-06 output if L\_ATT flag set

Must have ANC4504 input if GLA04 output.

## **Changed files**

```
./Makefile
./data/anc07_001_01_0000.dat
./src/common_libs/err_lib/ErrorBoot_mod.f90
./src/common_libs/err_lib/vers_err_mod.f90
./src/glas_l0p/GLAS_L0proc.f90
./src/glas_l0p/GetControl_mod.f90
./src/glas_l1a/GLAS_L1A.f90
./src/glas_l1a/GetControl_mod.f90
```