

Release Notes
ATLAS Compiler
ATLAS Release 3.24.10 (20081016)
16 October 2008

1.0 Overview

This release was a maintenance release whose two primary purposes are to synchronize all components to use the same version number and build date as well as to provide fixes for some Problem Reports.

The following describes an overview of changes included within version 20081016 (3.24.10) of the following 1989 ATLAS based compiler(s)

IEEE71689 / All Stations

and 20081016 (3.24.10) of the following 1995 ATLAS based compiler(s)

IEEE71695 / All Stations

and 20081016 (3.24.10) of the following 1985 ATLAS based compiler(s)

CASS / All Stations

ESTS / PAWS

IEEE416 / All Stations

IEEE716 / All Stations

IFTE / PAWS

IFTE / AMRDEC

MATE / All Stations

and version 20081016 (3.24.10) of the following ATLAS support tools:

1989 ATLAS compiler / linker

ATLAS compiler / linker

Signal Resource Allocator

Device Compiler

Signal Flow Analyzer

Switch / Ita Compiler

1.1 Enhancements

None

1.2 Problem Reports

08-025, 08-050, 08-060, 08-061 and 08-066

2.0 Detailed Description

2.1 Problem Reports

2.1.1 08-025 Missing source lines in Interlace Listings

Affects all 1985 ATLAS based compilers.

Source lines were missing in the Interlace Listing. Especially if they were preceded by blank lines. This issue has been corrected by ignoring the blank lines before the compilers count the number of lines within an ATLAS statement.

2.1.2 08-050 Digital CnxVar error

Change made in Signal Resource Allocator.

In general, the Signal Resource Allocator is independent of subset/station. However, in this case, this change only affects the ESTS/PAWS subset/station.

2.1.3 08-060 Errlmt processing issues

Affects the IEEE416 / TORNADO compiler.

The "errlmt" processing was not being handled correctly in the compiler. New code was put into the compiler to correct this issue.

2.1.4 08-061 Define macro issues

Affects MATE / PAWS compiler.

Defines of macros were not being correctly processed. Code has been corrected in the compiler to fix this issue.

2.1.5 08-066 MAX-TIME handled incorrectly

Affects CASS / RT compiler.

MAX-TIME was not being handled correctly when "GATED" was present. The compiler has been modified to handle MAX-TIME correctly in this situation.