

Release Notes
ATLAS Compiler
ATLAS Release 3.24.8 (20080714) Rev. 1
14 July 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 20080714 (3.24.8) of the following 1989 ATLAS based compiler(s)

IEEE71689 / All Stations

and 20080714 (3.24.8) of the following 1995 ATLAS based compiler(s)

IEEE71695 / All Stations

and 20080714 (3.24.8) of the following 1985 ATLAS based compiler(s)

CASS / All Stations

ESTS / PAWS

IEEE416 / All Stations

IEEE716 / All Stations

IFTE / PAWS

IFTE / AMRDEC

MATE / ADINTS

MATE / MARTIN

MATE / MILSTAR

and version 20080714 (3.24.8) 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

08-004, 08-012, 08-026, 08-036 and 08-039

2.0 Detailed Description

2.1 Problem Reports

2.1.1 08-004 Digital pin variables

Affects all 1989 ATLAS based compilers.

Digital pin variables were not implemented in 1989 ATLAS based compilers. This capability was added

2.1.2 08-012 Line processing in large source files

Affects all 1985 ATLAS based compilers.

The compilers were modified to handle line processing correctly for large source files.

2.1.3 08-026 "Invalid list length: 1 assumed" compiler message

Affects the MATE / MARTIN compiler.

This problem, which was originally fixed in IEEE416/TORNADO, was found to exist in the MATE/MARTIN compiler as well. The same fix was applied to the MATE/MARTIN compiler by initializing an internal max list length indicator.

2.1.4 08-036 Incorrect ELSE processing in large source files.

Affects all 1985 ATLAS based compilers.

Internal flag tests within the compilers had to be refined to narrow the scope of the tests to fix this issue.

2.1.5 08-039 Incorrect start VLC in object file.

Affects all 1985 ATLAS based compilers.

The solution for PR08036 fixed this issue.