

**Release Notes
ATLAS Compiler
ATLAS Release 3.24.1 (20080214)
14 February 2008**

1.0 Overview

The following describes an overview of changes included within version 20080214 (3.24.1) of the following 1989 ATLAS based compiler(s)

IEEE71689 / All Stations

and 20080214 (3.24.1) of the following 1995 ATLAS based compiler(s)

IEEE71695 / All Stations

and 20080214 (3.24.1) of the following 1985 ATLAS based compiler(s)

CASS / All Stations
ESTS / PAWS
IEEE416 / All Stations
IEEE716 / All Stations
IFTE / PAWS
IFTE / AMRDEC

and version 20080214 (3.24.1) of the following ATLAS support tools:

Switch / Ita Compiler

1.1 Enhancements

None

1.2 Problem Reports

07-087, 07-089, 08006 and 08007

2.0 Detailed Description

2.1 Problem Reports

2.1.1 07-087 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 changing the way the compilers count the number of lines within an ATLAS statement.

2.1.2 07-089 Interlace Listing requiring WRK file

Affects CASS compiler.

Due to a change in the CASS compiler, it had begun to complain about the absence of a WRK extension file and aborting the generation of an Interlace Listing. This problem has been fixed.

2.1.3 08-006 Array eval problem

Affects all 1995 ATLAS based and 1989 ATLAS based compilers.

Eval of arrays with same type but declared in separate statements was causing "Mismatched Type" error messages. The compiler was not checking the final type of arrays. This has been corrected.

2.1.4 08-007 Process hangs during ITA compilation

Affects Switch / ITA compiler

Switch / ITA Compiler was hanging during an ITA compilation. Problem has been fixed by enabling the Switch / ITA compiler to reset its internal input stream.