

Release Notes  
ATLAS Compiler  
Release 20070712 (3.23.38)  
12 July 2007

## 1 Overview

The following describes an overview of changes included within version 20070712 (3.23.38) of the following ATLAS compiler(s)

CASS / RT  
IEEE716.89 / PAWS

and version 20070712 (3.23.38) of the following ATLAS support tools.

Device Database Compiler

### 1.1 Enhancements

None

### 1.2 Problem Reports

06-031, 07-010, 07-018, 07-038, 07-046 and 07-048

## 2.0 Detailed Description

### 2.2 Problem Reports

#### 2.2.1 06-031 – Switch Server option (IEEE716.89)

The option “j” is now reserved for the compiler to be used in the “Other Options” area to signify the use of the Switch Server. This option is passed to the Run Time System.

#### 2.2.2 07-010 – Huge program debug problem

One of the available bit fields was used to increase the size to greater than 65535 in the compiler. Max available size for ATLAS files is now 131,761 lines. Changes were made in both the PAWS LAPS Interpreter (PLI) and the Run Time System (RTS) as well to accommodate this fix.

#### 2.2.3 07-018 – Single sided test limits (CASS)

The compiler was modified to more closely resemble the values of the

legacy system for “.HIL” and “.LOL”.

#### 2.2.4 07-038 – DO, TIMED DIGITAL issue (IEEE716.89)

The compiler processes the ENABLE DIGITAL CONFIGURATION correctly now.

#### 2.2.5 07-046 – Boolean “if” evaluation (Device)

The Device Database Compiler processes the boolean “if” construct such as “if(bval)” now.

#### 2.2.6 07-048 – APPLY SHORT VIA issue (CASS)

The option “o” is used in the compiler “Other Options” to turn on or off the processing of the “SHORT VIA” construct. This corrects a previous problem report where the option “q” was used. It turns out that the option “q” was already being used for some other purpose.