



Release Notes

WITE32

Version 4.02

11/05/2008

CHAPTER 1 INTRODUCTION

The release 4.02 of WITE32 incorporates new features and bug fixes introduced after the release version 4.01. This document uses the release notes for WITE32 version 4.01 as a baseline for comparison.

CHAPTER 2

NEW FEATURES INTRODUCED IN WITE32

2.1 New Hardware Supported in WITE32

1. New UP10 board (P/N 331290) revision C is supported.
2. New PRML Chip Adapter 4000 for the Chip Adapter Interface 4000 Guzik P/N S23-333950 is supported.

2.2 WITE Calculator Modification

Starting from WITE32 version 4.02 you can configure the *WCalc* test to store the calculated result to WITE32 environment variable. The *WCalc* result names are specified in the *Configure | WITE Calculator* dialog box, see Figure 1. If you prefix the result name with the '\$' sign, the calculated value will be assigned to the environment variable with the same name, for example *ATIPitch*.

Important! If you change the result name, you have to restart WITE32 before your settings are applied.

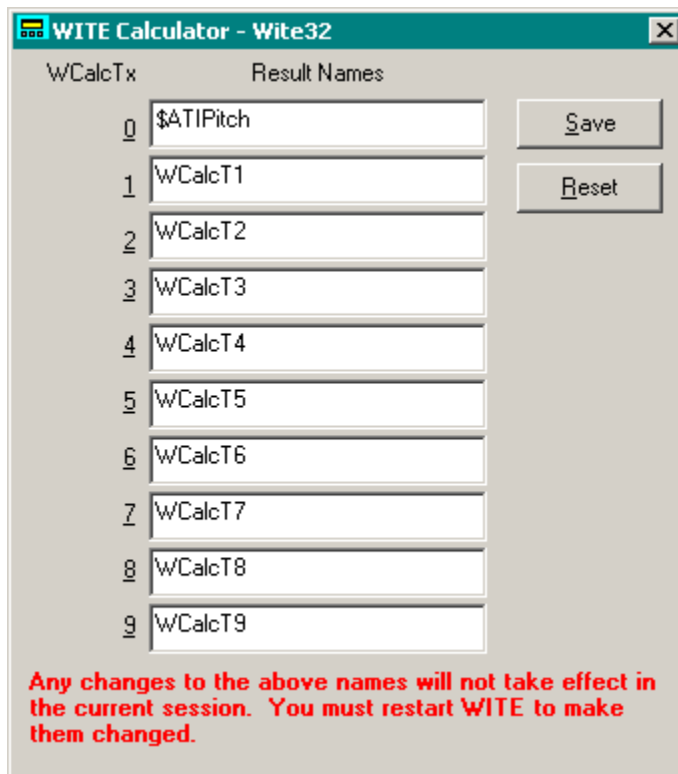


Figure 1: Result Names for WCalc

To specify the formula for the result calculation, open the corresponding test configuration, WCalcT in our case.

As shown on Figure 2 you have to add a suffix that specifies the result type, for example *_Avg*, *_Min*, *_Max* to the name of the result in the result stream. Use square brackets '[']' around the names that include not alphabetic or numeric symbols like space, hyphen, underscore, etc.

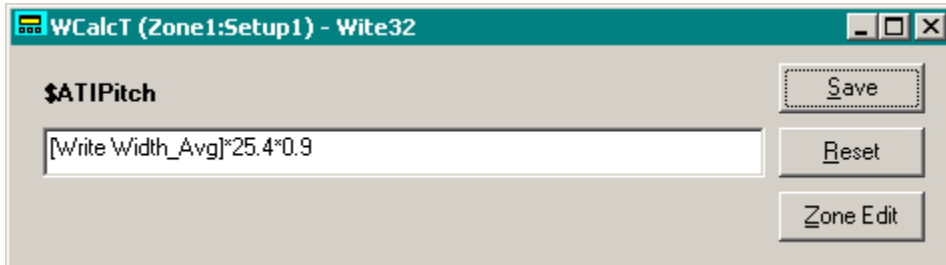


Figure 2: WCalc configuration

Note: The WCalc test uses the default internal units. If you need to use other units, add the proper coefficient to the formula. In the example above, *Write Width* in micro-inches is converted to nanometers. It is multiplied by 25.4.

You can then specify *\$ATIPitch* as a track pitch parameter in the *ATI* test, see the *WITE32 ReleaseNotes Version 4.01* for additional details.

CHAPTER 3

FIXED BUGS

The following bugs were discovered in WITE32 version 4.01 or earlier, and fixed in WITE32 version 4.02. The description of a bug explains the bug behavior as it appears in WITE32 version 4.01.

1. MSCAN application may crash for some settings.
2. Spinstands that do not support the hardware handshake between the spinstand and the RWA may start moving while the write or read operation is in progress. This issue affects the following spinstands:
 - Canon spinstand in two *Enhanced Performance Modes – Mode 3: Immediate Start (Full Revolution)* and *Mode 4: Immediate Start (Partial Revolution)*.
 - Older V2002 models with Coldfire board revisions “A” through “K” in any of the four *Enhanced Performance Modes*.
3. Write-mode TFC is set incorrectly for MR7 headamplifiers.
4. The *Servo Write* operation with the *Optimized for Speed* capturing mode may trigger the *HSA Acoustic emergency* on V2002 spinstands with headstack tooling.
5. WITE32 installation script may fail to register certain modules on some computers. Self-Registration error messages “*Attempt to access invalid address*” are displayed in this case.
6. If the filter selected in the current zone/setup is not installed, the *Pattern* in the *Control | System* dialog box is changed for AA_RESERVED.
7. If a Chip Adapter of CA2K series is installed in the Analog box, the “*Incorrect Chip Adapter parallel data width*” error message is displayed when WITE32 starts.
8. The *Control | Headamplifier* dialog box crashes if no headamplifier is connected to UP10.
9. Headamplifier SR3480: the TFC-impedance is measured incorrectly in the power TFC mode.
10. Headamplifier SR3482 driver has a bug that causes TFC heater voltage resetting to 0 when the *GetReadCurrent* WDK function is called.
11. Controls on the *Headamplifier* dialog box (for UP10 *Universal Preamplifier*) are not updated properly when you press *Enter*. The new value is shown in red and not applied to hardware.
12. The “*Access database engine error message. Cannot update. Database or object is read-only.*” may occur when converting WCalc.mdb created in old versions of WITE32, for example 2.60.
13. The *WCalc* test cannot recognize the result names that include the underscore symbol ‘_’. The test displays the message like “*Variable <result name>_Avg was not found in the result stream. The result will be 0*”.