# Application Note AN07-1114-01

# Importing ATV-25 Test Results Into Microsoft Excel

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# Importing to Microsoft Excel

The ATV-25 test results can be imported into Microsoft Excel. The following information provides assistance for importing the data.

> **Note: The examples provided are using Microsoft Windows XP Professional and Microsoft Excel 2003. There may be differences when using other operating systems or different versions of Excel.**

## *Default Test Results Path*

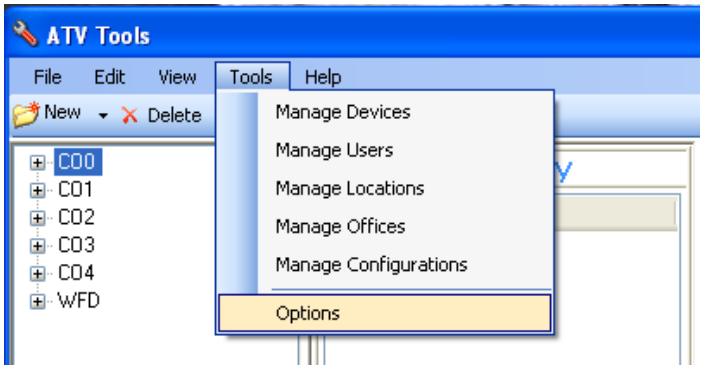
The default location for Test Results files is:

C:\Program Files\AALogic\ATV Tools 1.0\Test Results\

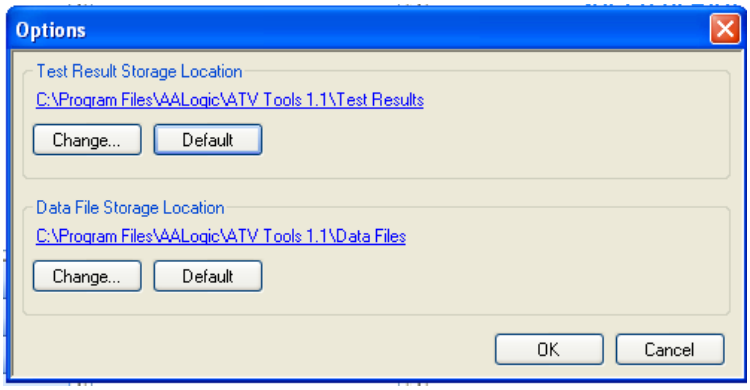
## *Changing the Default Paths*

The default location can be changed in ATV Tools. The path can be made shorter or point to a network drive.

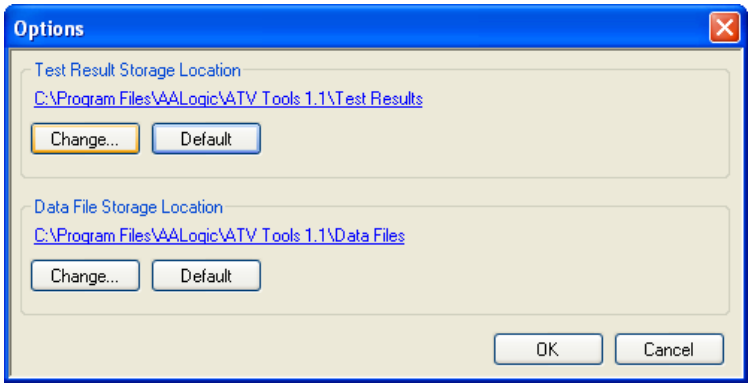
1. Open ATV Tools and select the **Tools**, **Options** as shown.




2. The path for the test results and the data files are shown. The test results are the actual test results uploaded from ATV-25 units. The data files are the files containing Central Office, Locations, Users, Test Configurations, and ATV configurations.



3. Click the **Change** button to change the path for either the Test Results or the Data Files. The paths are completely independent of one another.




   There is also an option to create a new folder. Navigate to the location where the new folder should be and click the **Make New Folder** button.

4. The default path can be restored at any time by clicking the **Default** button.

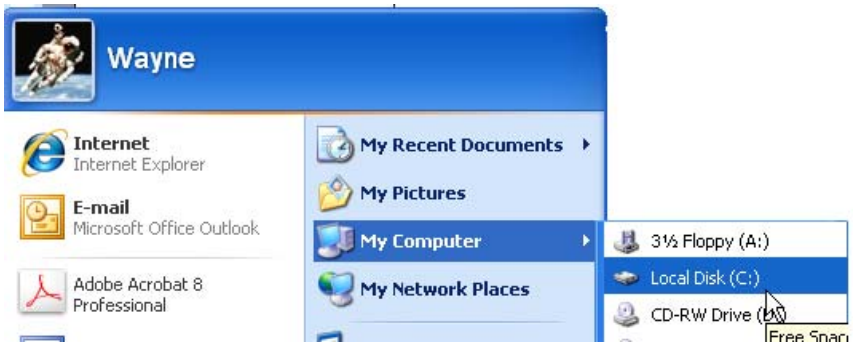
5. Any new test results uploaded will now be stored in the new path. This does not move any existing files that have already been uploaded. The existing files can be copied to the new location as described below.

## *Moving Existing Test Results to a New Folder*

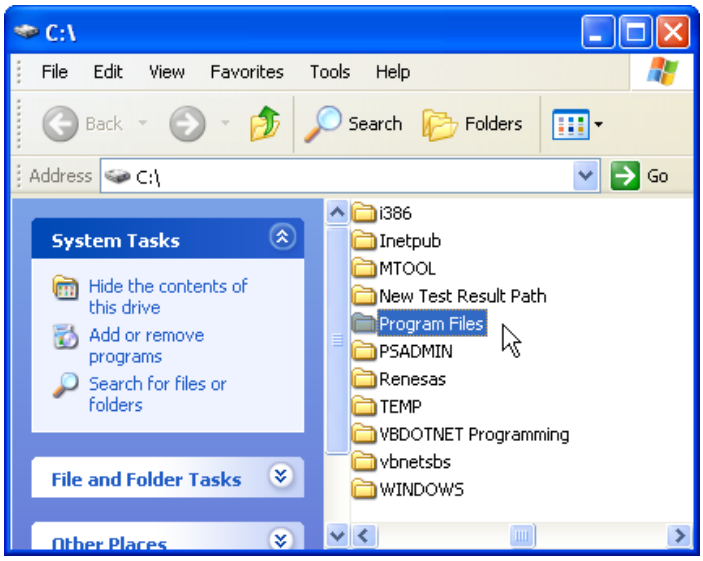
Existing test result files can be copied from the default location to a new location. This may be desirable if the path is changed after some test results have been uploaded.

This example copies existing test result folders from the default path to the destination path: C:\New Test Result Path. The actual destination path is user configurable.

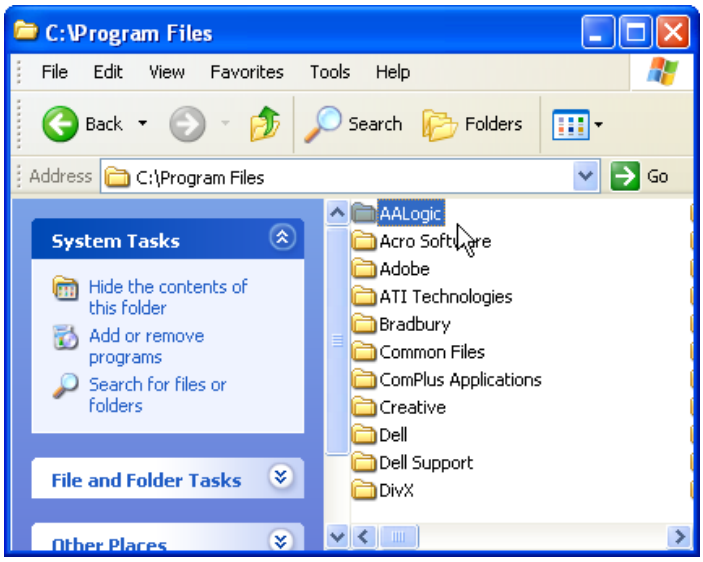
1. Open **My Computer, Local Disk (C:).**



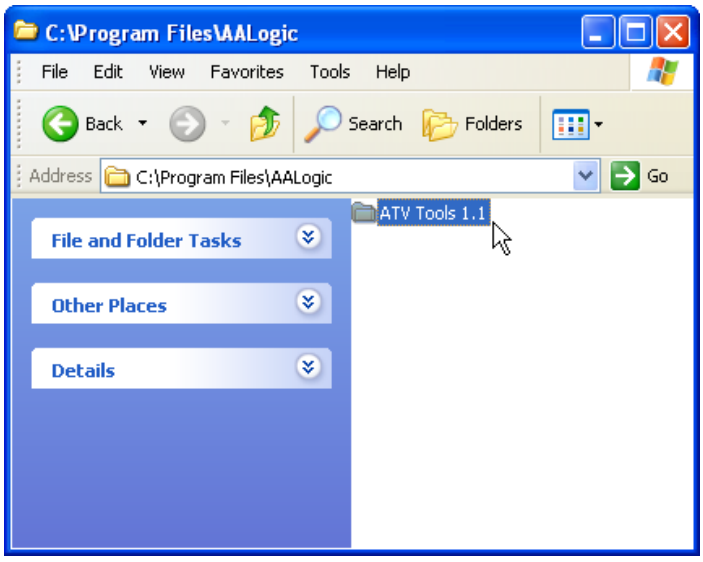
2. Open the Program Files folder by double clicking the folder name.



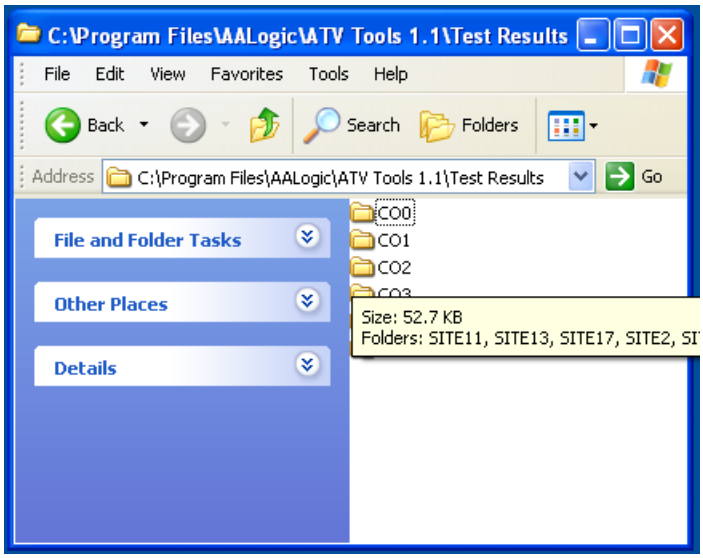

3. Next, double-click the AALogic folder.



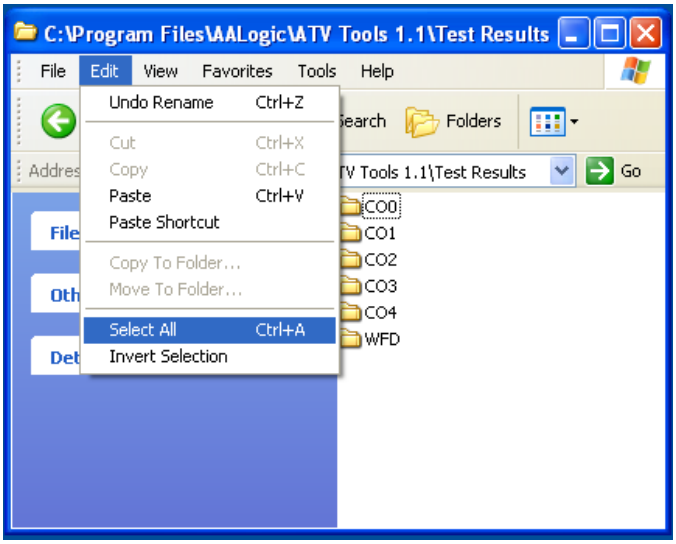

4. Next, double-click the ATV-25 Tools folder.



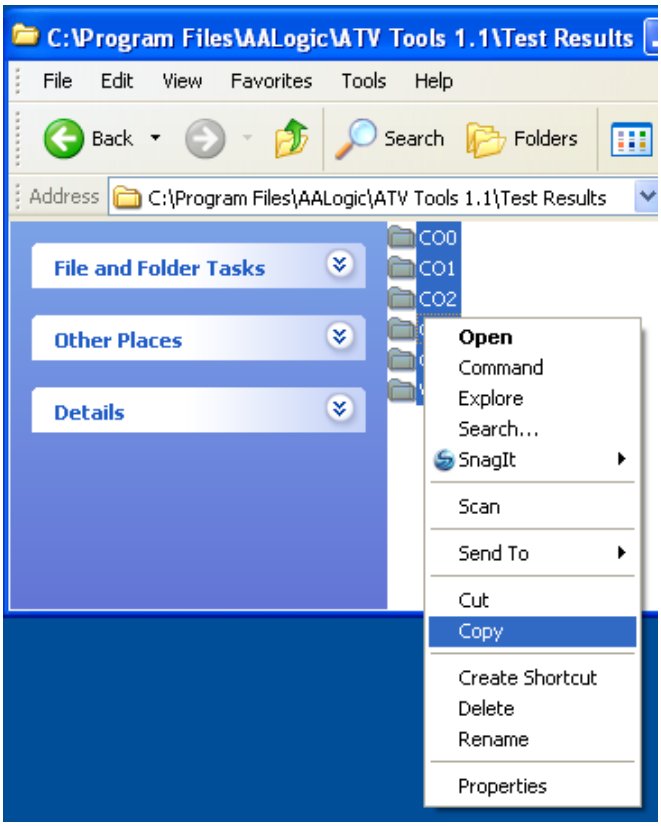
5. Next, double-click the Test Results folder.



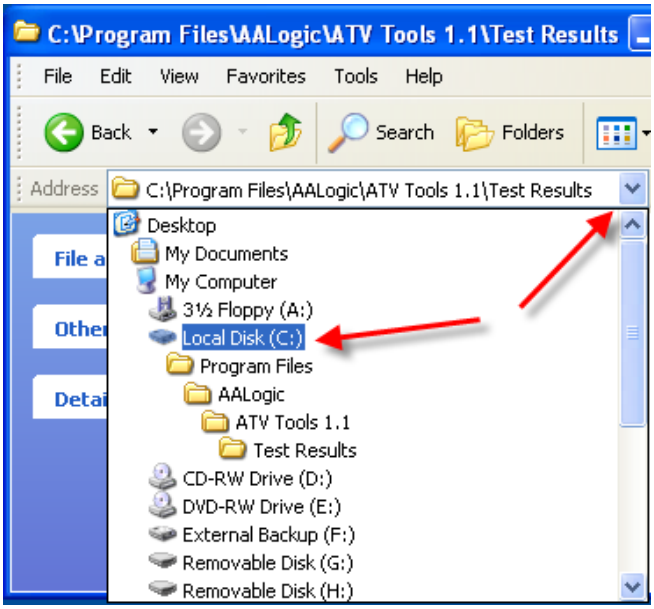

6. Next, click Edit, Select All. All the folders will now be selected. This is shown by highlighting the folders.



7. Next, right-click on any of the selected folders, then click Copy. This copies all the folders, subfolders, and test result files.



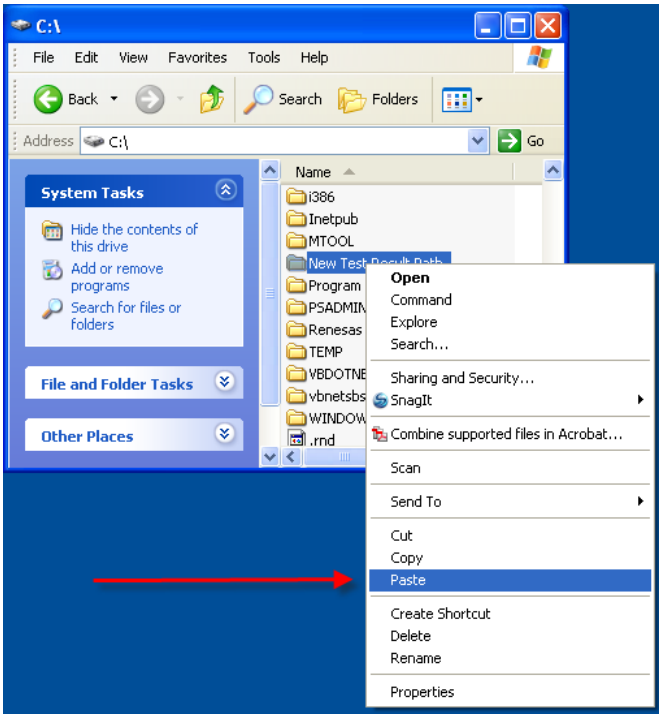

8. The next step is to Paste the Copied files to the destination folder. Use the Address drop down on the tool bar and select the Local Disk (C:) option.



9. Next, locate the new destination folder, New Test Result Path in this example. Scroll down the list if necessary. Right-click on the folder and click Paste. This will copy all the folders and files to the new path.

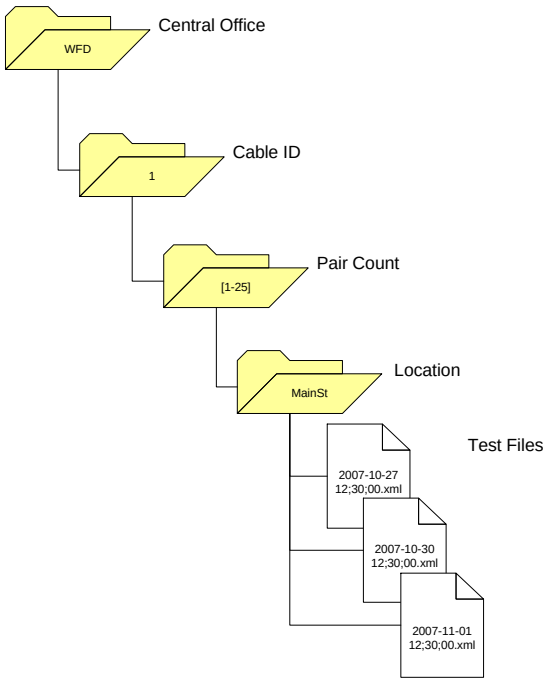
   If you do not see the Paste option, the Copy step did not work correctly. Repeat the steps to copy the folders and files.

   A message indicating that some folders already exist. It is safe to continue copying the files. This is an indication that some test results have already but uploaded to the new path.




## *Test Result Folder Structure*

The test results are stored in folders that depend on the information stored for the test. The folder organization is as shown below.

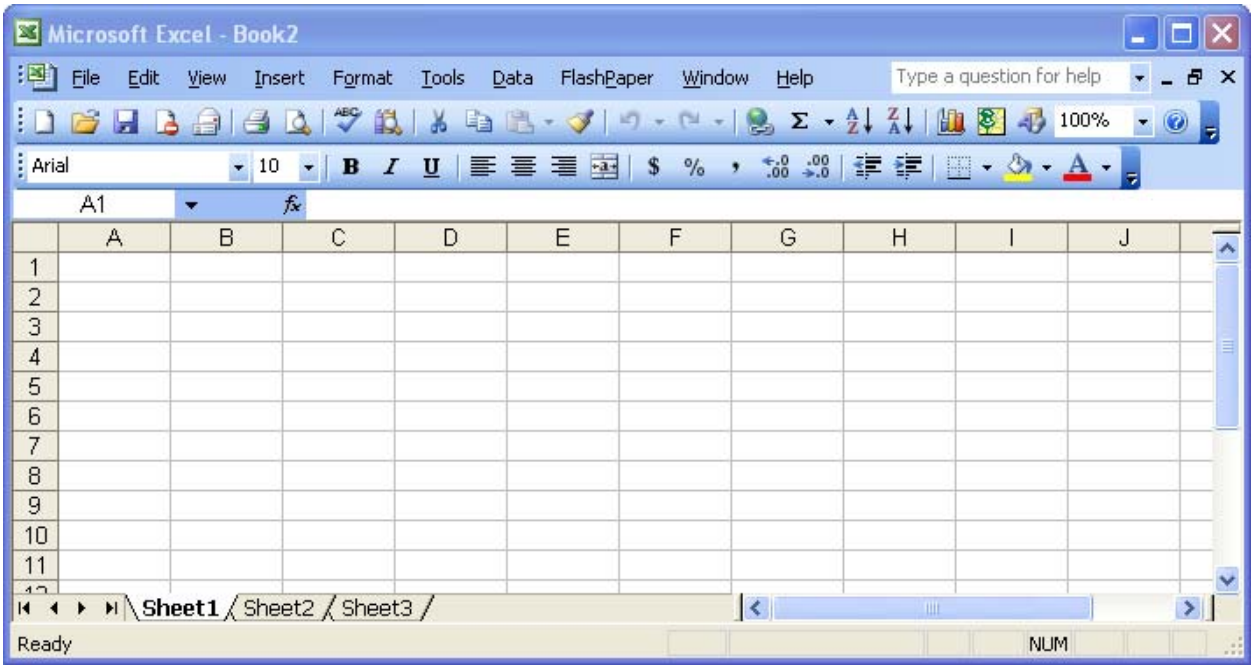


## *Importing Test Results into Excel*

Open Excel, a new workbook is created by default with three worksheets. This example will import a test result file into a worksheet in the default workbook. Users may desire to create a formatted template for test results. Consult the Excel documentation for more information on creating templates.

NOTE: The actual columns that are imported depends on the stored test data. Actual results may vary from those shown in this example.

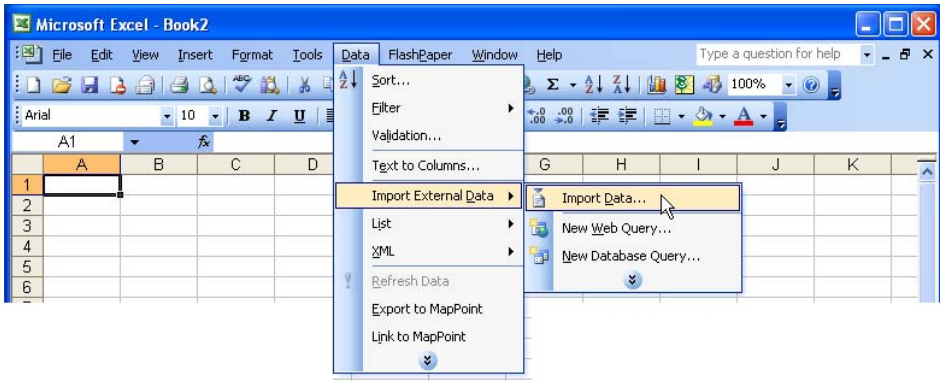
The default workbook will appear as follows.



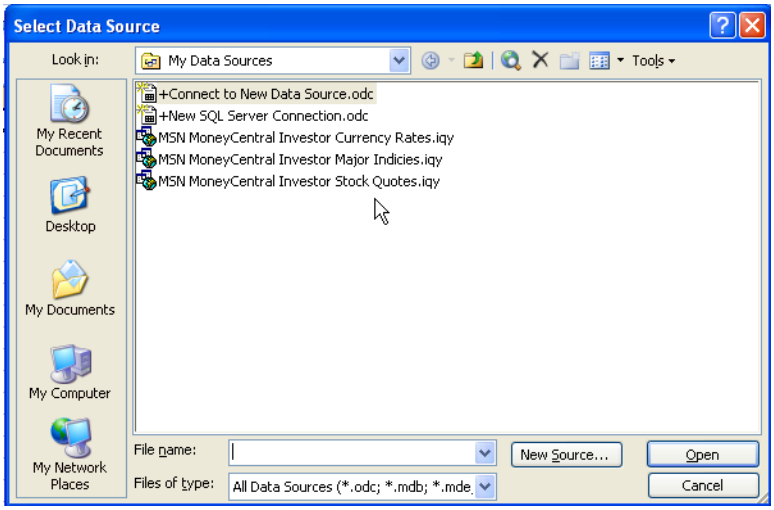

## *Import External Data Method*

The following steps import a test result file using the Import External Data Method.

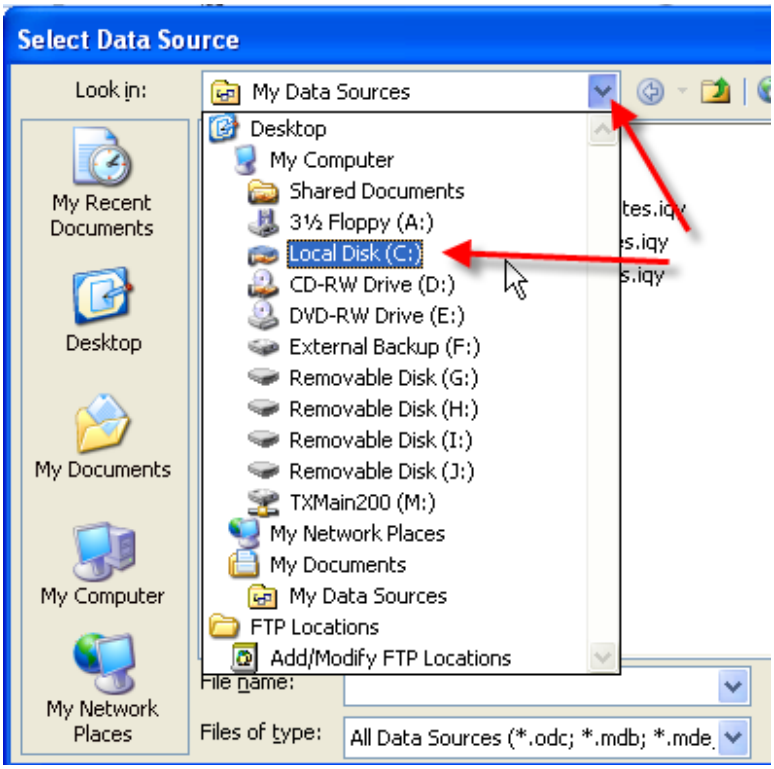
1. Click Data, Import External Data, Import Data…



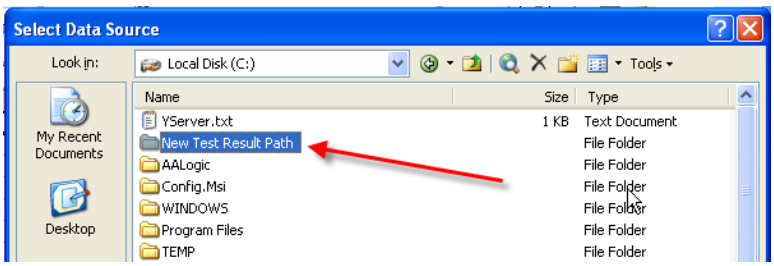
2. A Select Data Source window is displayed. The test result file must now be selected.



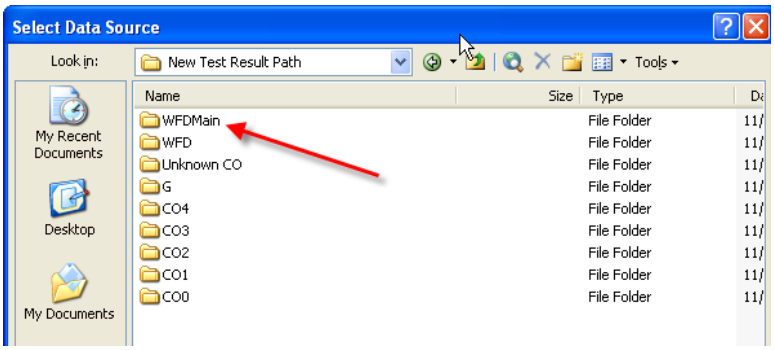

3. Use the drop down box labeled Look in: and select the Local Disk (C:). The test results files are stored on the C:\ drive in this example.




4. Select the path for the test results. The results for this example are stored in C:\New Test Result Path .

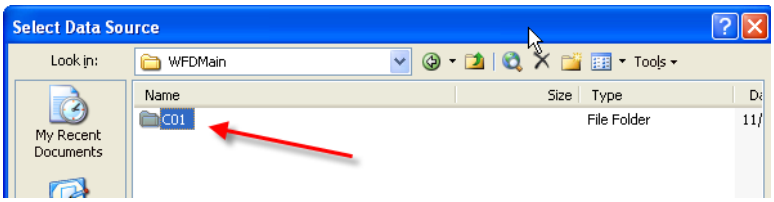


5. The folders are the names of the central offices entered for the stored test results. Any test that did not have a central office entered at the time the test was run is under Unknown CO.

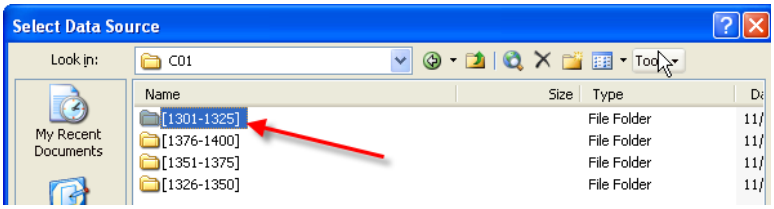



This example uses WFDMain as the central office. All the tests for WFDMain will be in this folder.

6. Next, the cable is selected. There is only one cable in this example, C01.

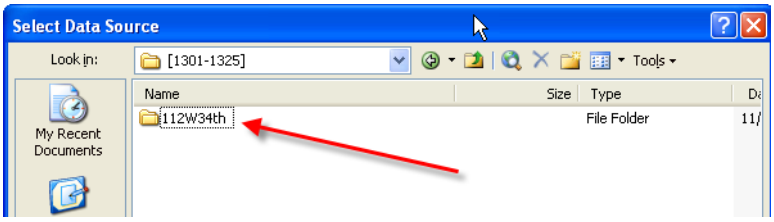



7. Next the pair count is selected. The tests are organized into 25 pair blocks. All tests containing any 1 or more pairs in this count are stored in the appropriate folder.



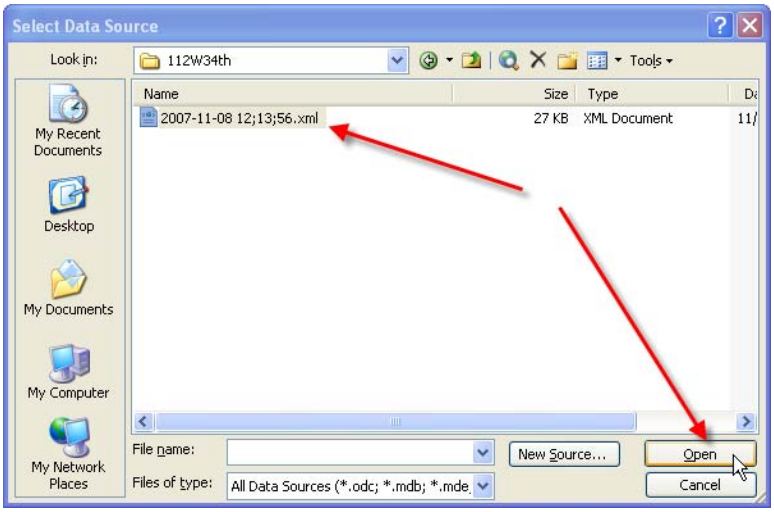

The count 1301 to 1325 is selected in this example.

8. Multiple test locations exist for a cable and pair count. Tests may be run at a location more than one time and different kinds of tests may be run. The location folder contains all the test results for the specified location. The location in this example is 112 W. 34th st.

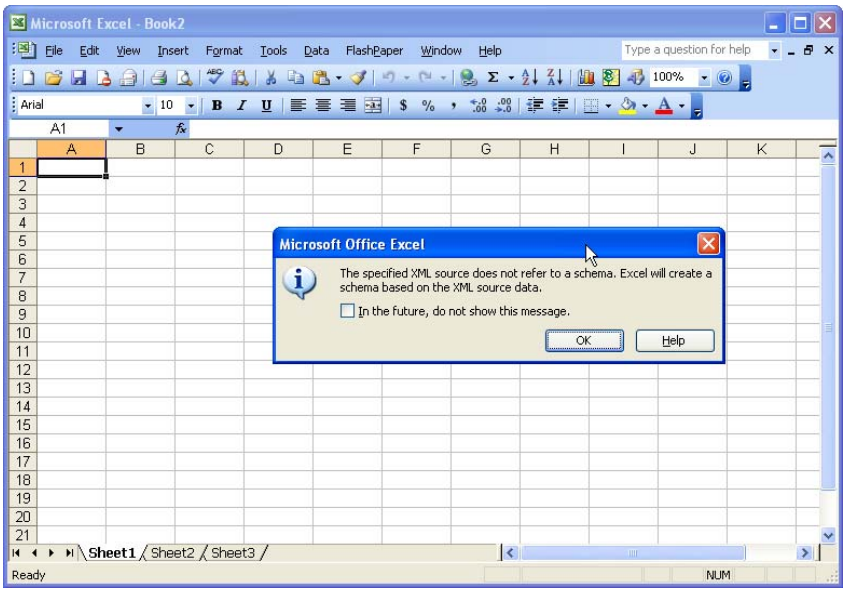


9. The location folder may have many test result files. There is only one file in this example. The filename indicates the test was completed on 8 November 2007 at 12:13:36 pm.

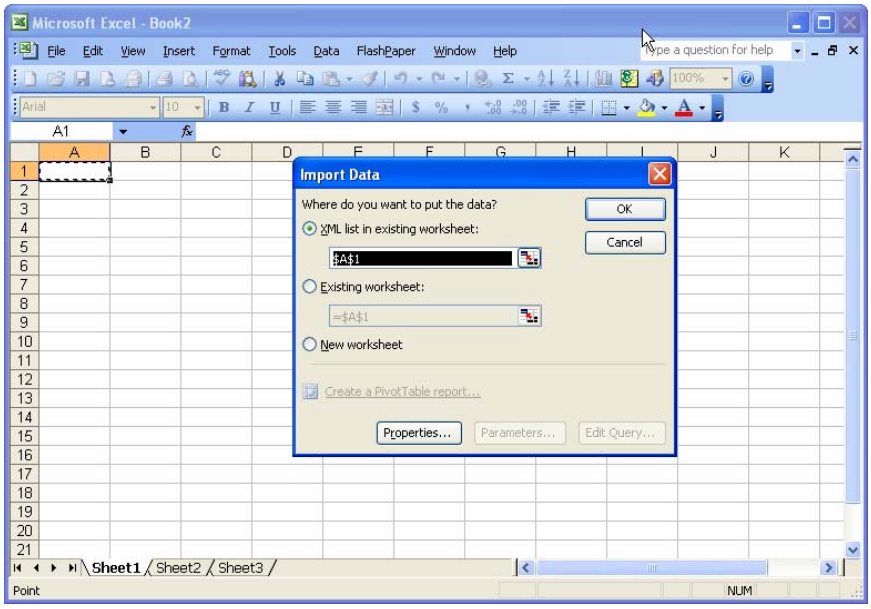
   The file is selected for importing by double-clicking the filename or clicking the filename and clicking Open.




10. An information box may display. This indicates that there is no schema for the XML source file. Click OK to continue the import process.



11. The Import Data box is displayed. Three options may be displayed.

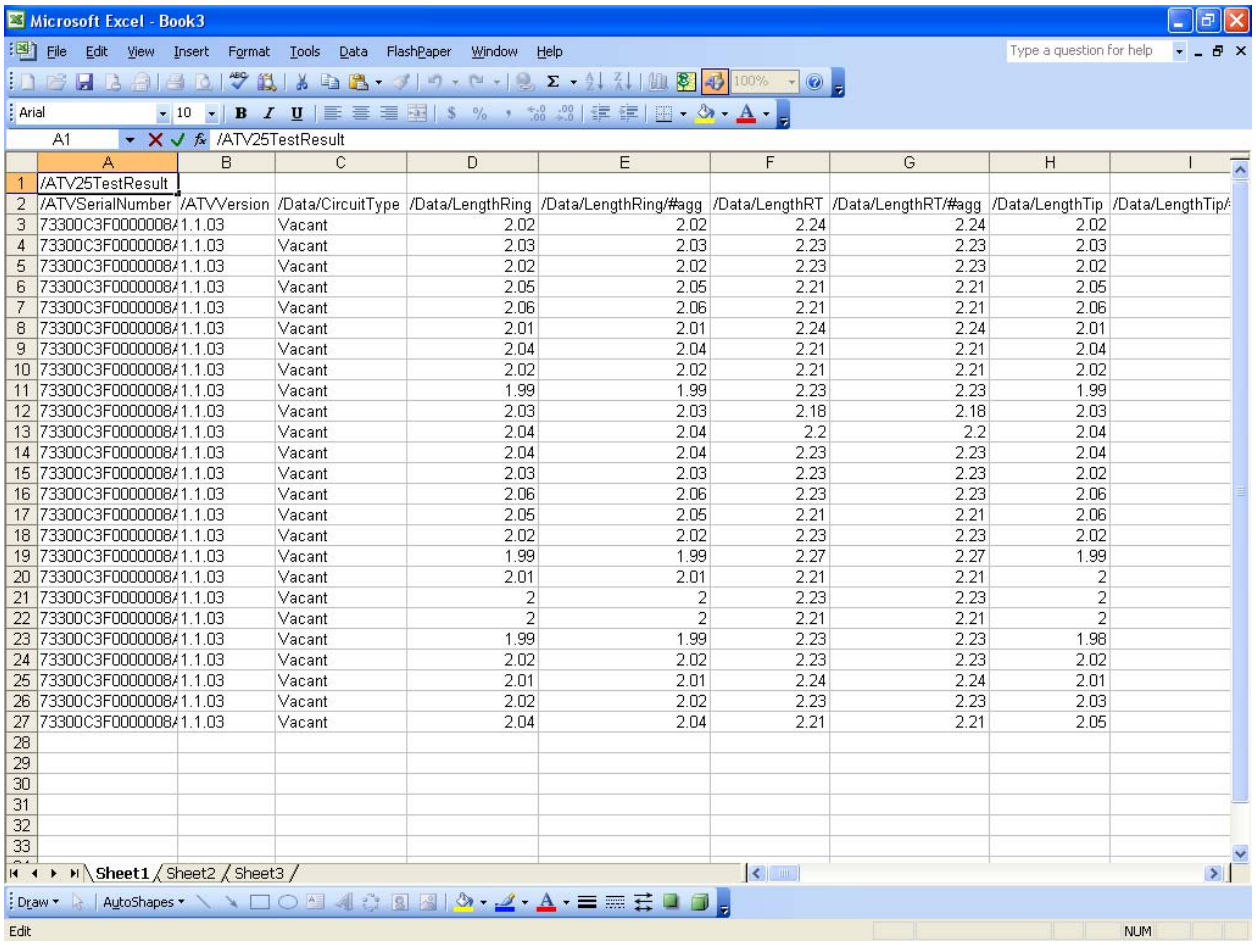



The first option in this example imports the data as an XML list into an existing worksheet in the current workbook. The currently selected worksheet and cell is used.

The second option imports the raw data elements into an existing worksheet in the current workbook. The currently selected worksheet and cell is used.

The third option imports the raw data elements into an new worksheet in the current workbook. The XML list will normally provide a more appealing presentation of the data.

12. The imported data can now be formatted further for presentation or use any of the Excel functions for data analysis.



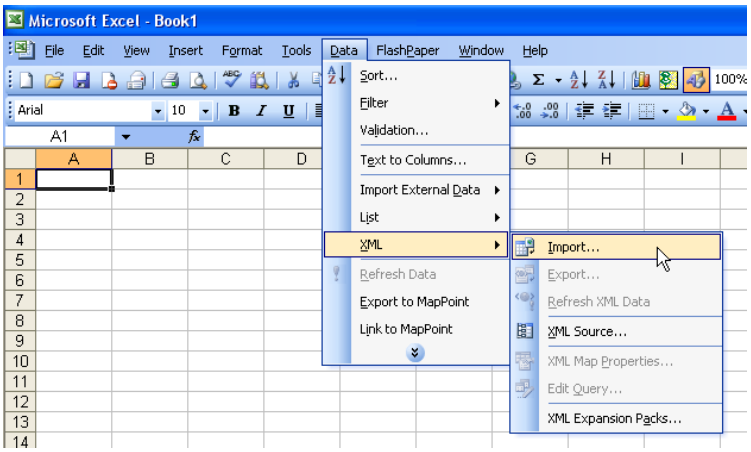

| | A | B | C | D | E | F | G | H | I |
|---|---|---|---|---|---|---|---|---|---|
| 1 | /ATV25TestResult | | | | | | | | |
| 2 | /ATVSerialNumber | /ATVVersion | /Data/CircuitType | /Data/LengthRing | /Data/LengthRing/#agg | /Data/LengthRT | /Data/LengthRT/#agg | /Data/LengthTip | /Data/LengthTip/ |
| 3 | 73300C3F0000008A | 1.1.03 | Vacant | 2.02 | 2.02 | 2.24 | 2.24 | 2.02 | |
| 4 | 73300C3F0000008A | 1.1.03 | Vacant | 2.03 | 2.03 | 2.23 | 2.23 | 2.03 | |
| 5 | 73300C3F0000008A | 1.1.03 | Vacant | 2.02 | 2.02 | 2.23 | 2.23 | 2.02 | |
| 6 | 73300C3F0000008A | 1.1.03 | Vacant | 2.05 | 2.05 | 2.21 | 2.21 | 2.05 | |
| 7 | 73300C3F0000008A | 1.1.03 | Vacant | 2.06 | 2.06 | 2.21 | 2.21 | 2.06 | |
| 8 | 73300C3F0000008A | 1.1.03 | Vacant | 2.01 | 2.01 | 2.24 | 2.24 | 2.01 | |
| 9 | 73300C3F0000008A | 1.1.03 | Vacant | 2.04 | 2.04 | 2.21 | 2.21 | 2.04 | |
| 10 | 73300C3F0000008A | 1.1.03 | Vacant | 2.02 | 2.02 | 2.21 | 2.21 | 2.02 | |
| 11 | 73300C3F0000008A | 1.1.03 | Vacant | 1.99 | 1.99 | 2.23 | 2.23 | 1.99 | |
| 12 | 73300C3F0000008A | 1.1.03 | Vacant | 2.03 | 2.03 | 2.18 | 2.18 | 2.03 | |
| 13 | 73300C3F0000008A | 1.1.03 | Vacant | 2.04 | 2.04 | 2.2 | 2.2 | 2.04 | |
| 14 | 73300C3F0000008A | 1.1.03 | Vacant | 2.04 | 2.04 | 2.23 | 2.23 | 2.04 | |
| 15 | 73300C3F0000008A | 1.1.03 | Vacant | 2.03 | 2.03 | 2.23 | 2.23 | 2.02 | |
| 16 | 73300C3F0000008A | 1.1.03 | Vacant | 2.06 | 2.06 | 2.23 | 2.23 | 2.06 | |
| 17 | 73300C3F0000008A | 1.1.03 | Vacant | 2.05 | 2.05 | 2.21 | 2.21 | 2.06 | |
| 18 | 73300C3F0000008A | 1.1.03 | Vacant | 2.02 | 2.02 | 2.23 | 2.23 | 2.02 | |
| 19 | 73300C3F0000008A | 1.1.03 | Vacant | 1.99 | 1.99 | 2.27 | 2.27 | 1.99 | |
| 20 | 73300C3F0000008A | 1.1.03 | Vacant | 2.01 | 2.01 | 2.21 | 2.21 | 2 | |
| 21 | 73300C3F0000008A | 1.1.03 | Vacant | 2 | 2 | 2.23 | 2.23 | 2 | |
| 22 | 73300C3F0000008A | 1.1.03 | Vacant | 2 | 2 | 2.21 | 2.21 | 2 | |
| 23 | 73300C3F0000008A | 1.1.03 | Vacant | 1.99 | 1.99 | 2.23 | 2.23 | 1.98 | |
| 24 | 73300C3F0000008A | 1.1.03 | Vacant | 2.02 | 2.02 | 2.23 | 2.23 | 2.02 | |
| 25 | 73300C3F0000008A | 1.1.03 | Vacant | 2.01 | 2.01 | 2.24 | 2.24 | 2.01 | |
| 26 | 73300C3F0000008A | 1.1.03 | Vacant | 2.02 | 2.02 | 2.23 | 2.23 | 2.03 | |
| 27 | 73300C3F0000008A | 1.1.03 | Vacant | 2.04 | 2.04 | 2.21 | 2.21 | 2.05 | |
| 28 | | | | | | | | | |
| 29 | | | | | | | | | |
| 30 | | | | | | | | | |
| 31 | | | | | | | | | |
| 32 | | | | | | | | | |
| 33 | | | | | | | | | |

## *XML Import Method*

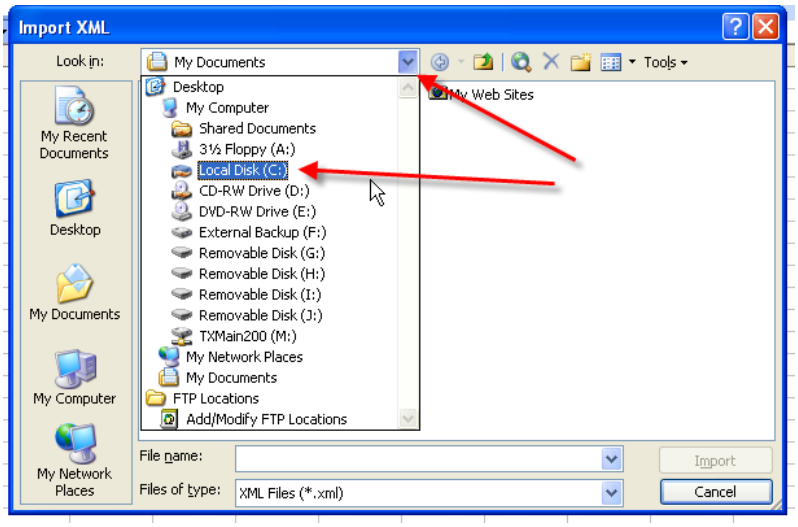
Excel has extensions to support XML. This option may be available. If the options described are not present, an update to the program update should be available from Microsoft.

The following steps describe the XML Import method to add test result data to an Excel spreadsheet.

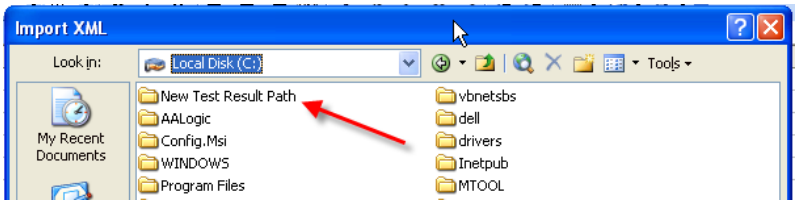
1. Click Data, XML, Import from the menu at the top of the window.



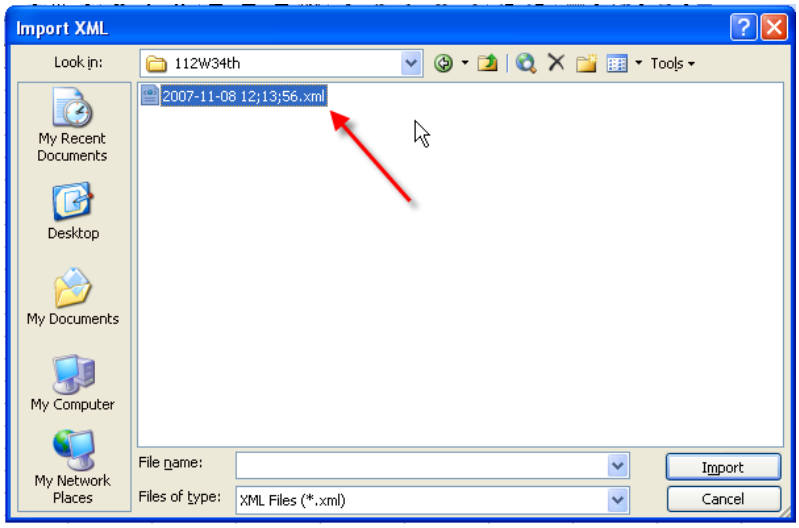

2. The Import XML box is displayed. Click the drop down in the Look in: box at the top and select the Local Disk (C:) .



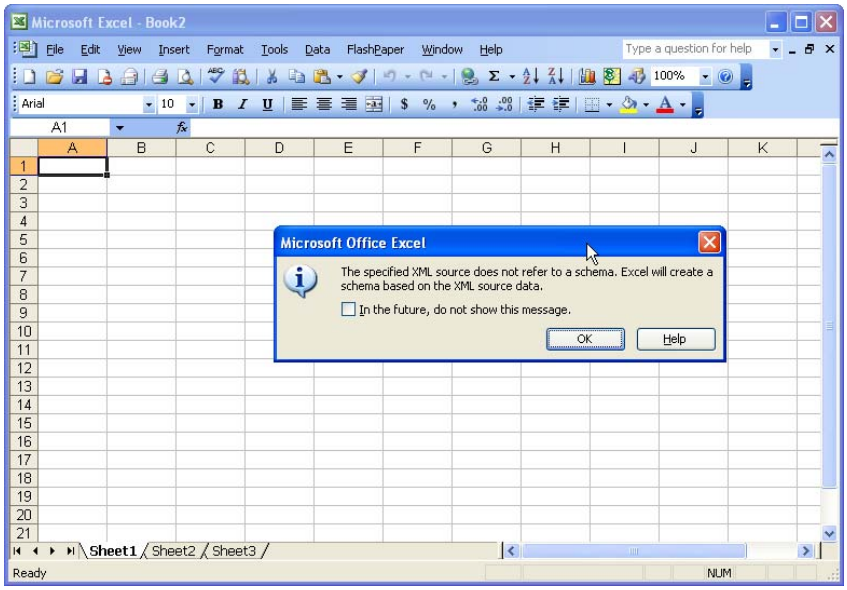

3. Next, click on the folder containing the test results files. Refer to steps 4 through 9 above to select the desired test result file.



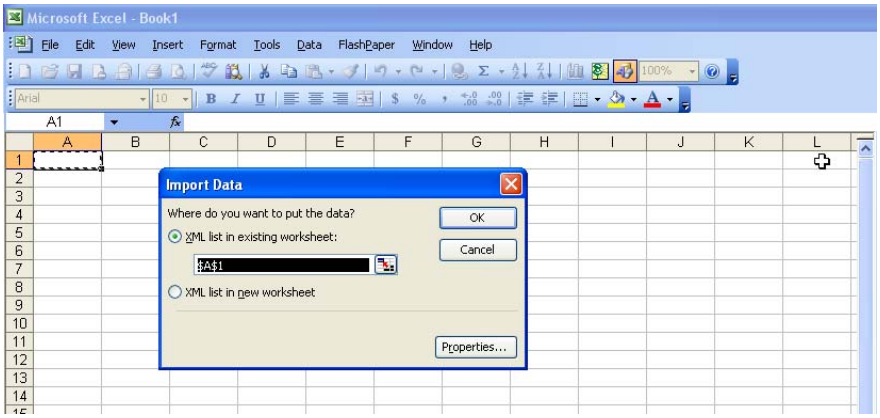
4. Double-click the filename or select the filename and click Import.



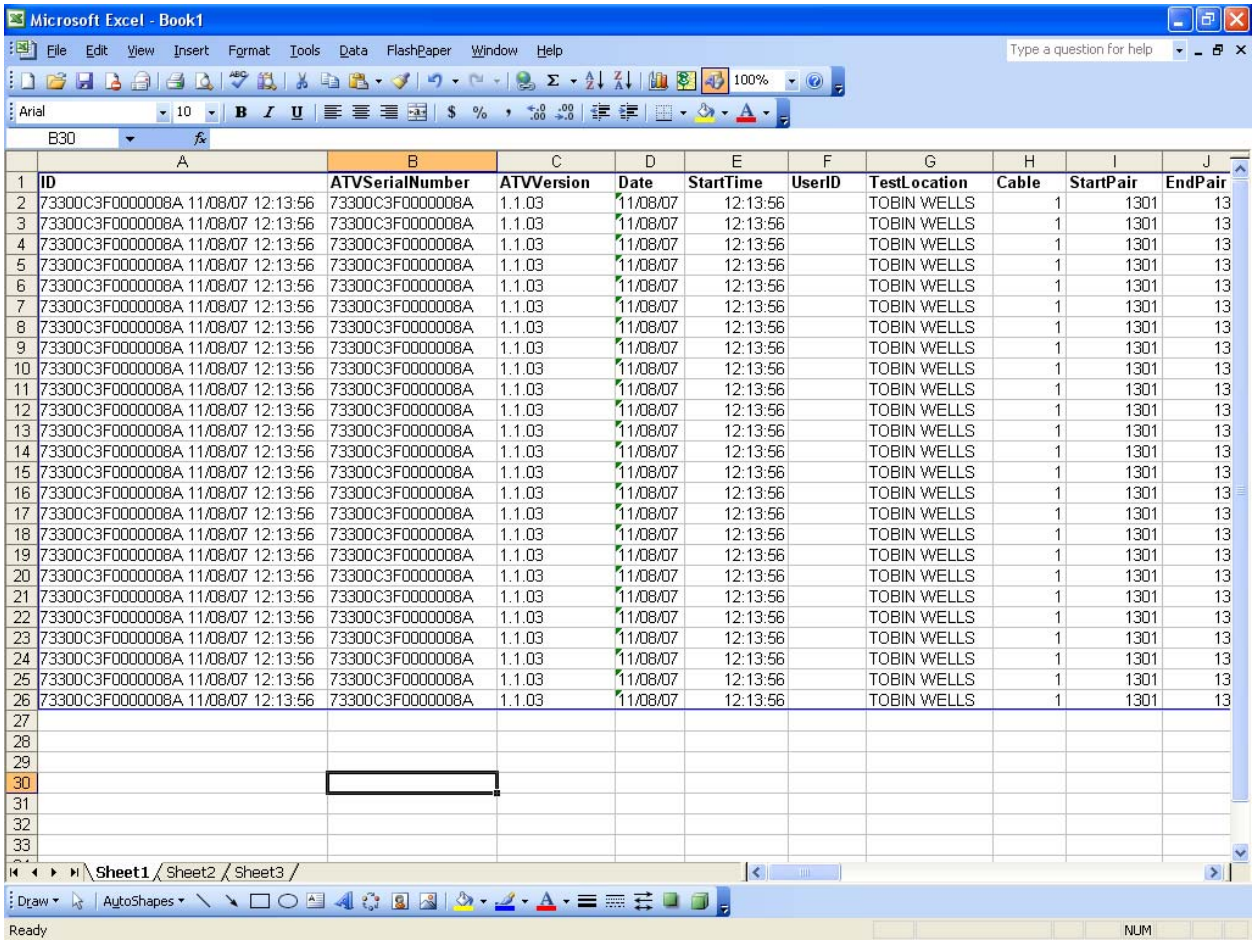

5. An information box may display. This indicates that there is no schema for the XML source file. Click OK to continue the import process.



6. The Import Data box is displayed. There are two options available. The first option imports the data into an existing worksheet in the current workbook. The second option creates a new worksheet and imports the data.




7. The imported data can now be formatted further for presentation or use any of the Excel functions for data analysis.




| | A | B | C | D | E | F | G | H | I | J |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | ID | ATVSerialNumber | ATVVersion | Date | StartTime | UserID | TestLocation | Cable | StartPair | EndPair |
| 2 | 73300C3F0000008A 11/08/07 12:13:56 | 73300C3F0000008A | 1.1.03 | 11/08/07 | 12:13:56 | | TOBIN WELLS | 1 | 1301 | 13 |
| 3 | 73300C3F0000008A 11/08/07 12:13:56 | 73300C3F0000008A | 1.1.03 | 11/08/07 | 12:13:56 | | TOBIN WELLS | 1 | 1301 | 13 |
| 4 | 73300C3F0000008A 11/08/07 12:13:56 | 73300C3F0000008A | 1.1.03 | 11/08/07 | 12:13:56 | | TOBIN WELLS | 1 | 1301 | 13 |
| 5 | 73300C3F0000008A 11/08/07 12:13:56 | 73300C3F0000008A | 1.1.03 | 11/08/07 | 12:13:56 | | TOBIN WELLS | 1 | 1301 | 13 |
| 6 | 73300C3F0000008A 11/08/07 12:13:56 | 73300C3F0000008A | 1.1.03 | 11/08/07 | 12:13:56 | | TOBIN WELLS | 1 | 1301 | 13 |
| 7 | 73300C3F0000008A 11/08/07 12:13:56 | 73300C3F0000008A | 1.1.03 | 11/08/07 | 12:13:56 | | TOBIN WELLS | 1 | 1301 | 13 |
| 8 | 73300C3F0000008A 11/08/07 12:13:56 | 73300C3F0000008A | 1.1.03 | 11/08/07 | 12:13:56 | | TOBIN WELLS | 1 | 1301 | 13 |
| 9 | 73300C3F0000008A 11/08/07 12:13:56 | 73300C3F0000008A | 1.1.03 | 11/08/07 | 12:13:56 | | TOBIN WELLS | 1 | 1301 | 13 |
| 10 | 73300C3F0000008A 11/08/07 12:13:56 | 73300C3F0000008A | 1.1.03 | 11/08/07 | 12:13:56 | | TOBIN WELLS | 1 | 1301 | 13 |
| 11 | 73300C3F0000008A 11/08/07 12:13:56 | 73300C3F0000008A | 1.1.03 | 11/08/07 | 12:13:56 | | TOBIN WELLS | 1 | 1301 | 13 |
| 12 | 73300C3F0000008A 11/08/07 12:13:56 | 73300C3F0000008A | 1.1.03 | 11/08/07 | 12:13:56 | | TOBIN WELLS | 1 | 1301 | 13 |
| 13 | 73300C3F0000008A 11/08/07 12:13:56 | 73300C3F0000008A | 1.1.03 | 11/08/07 | 12:13:56 | | TOBIN WELLS | 1 | 1301 | 13 |
| 14 | 73300C3F0000008A 11/08/07 12:13:56 | 73300C3F0000008A | 1.1.03 | 11/08/07 | 12:13:56 | | TOBIN WELLS | 1 | 1301 | 13 |
| 15 | 73300C3F0000008A 11/08/07 12:13:56 | 73300C3F0000008A | 1.1.03 | 11/08/07 | 12:13:56 | | TOBIN WELLS | 1 | 1301 | 13 |
| 16 | 73300C3F0000008A 11/08/07 12:13:56 | 73300C3F0000008A | 1.1.03 | 11/08/07 | 12:13:56 | | TOBIN WELLS | 1 | 1301 | 13 |
| 17 | 73300C3F0000008A 11/08/07 12:13:56 | 73300C3F0000008A | 1.1.03 | 11/08/07 | 12:13:56 | | TOBIN WELLS | 1 | 1301 | 13 |
| 18 | 73300C3F0000008A 11/08/07 12:13:56 | 73300C3F0000008A | 1.1.03 | 11/08/07 | 12:13:56 | | TOBIN WELLS | 1 | 1301 | 13 |
| 19 | 73300C3F0000008A 11/08/07 12:13:56 | 73300C3F0000008A | 1.1.03 | 11/08/07 | 12:13:56 | | TOBIN WELLS | 1 | 1301 | 13 |
| 20 | 73300C3F0000008A 11/08/07 12:13:56 | 73300C3F0000008A | 1.1.03 | 11/08/07 | 12:13:56 | | TOBIN WELLS | 1 | 1301 | 13 |
| 21 | 73300C3F0000008A 11/08/07 12:13:56 | 73300C3F0000008A | 1.1.03 | 11/08/07 | 12:13:56 | | TOBIN WELLS | 1 | 1301 | 13 |
| 22 | 73300C3F0000008A 11/08/07 12:13:56 | 73300C3F0000008A | 1.1.03 | 11/08/07 | 12:13:56 | | TOBIN WELLS | 1 | 1301 | 13 |
| 23 | 73300C3F0000008A 11/08/07 12:13:56 | 73300C3F0000008A | 1.1.03 | 11/08/07 | 12:13:56 | | TOBIN WELLS | 1 | 1301 | 13 |
| 24 | 73300C3F0000008A 11/08/07 12:13:56 | 73300C3F0000008A | 1.1.03 | 11/08/07 | 12:13:56 | | TOBIN WELLS | 1 | 1301 | 13 |
| 25 | 73300C3F0000008A 11/08/07 12:13:56 | 73300C3F0000008A | 1.1.03 | 11/08/07 | 12:13:56 | | TOBIN WELLS | 1 | 1301 | 13 |
| 26 | 73300C3F0000008A 11/08/07 12:13:56 | 73300C3F0000008A | 1.1.03 | 11/08/07 | 12:13:56 | | TOBIN WELLS | 1 | 1301 | 13 |
| 27 | | | | | | | | | | |
| 28 | | | | | | | | | | |
| 29 | | | | | | | | | | |
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