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Collecting Raw Data Using The Accu-Gold 2.0 Windows Application

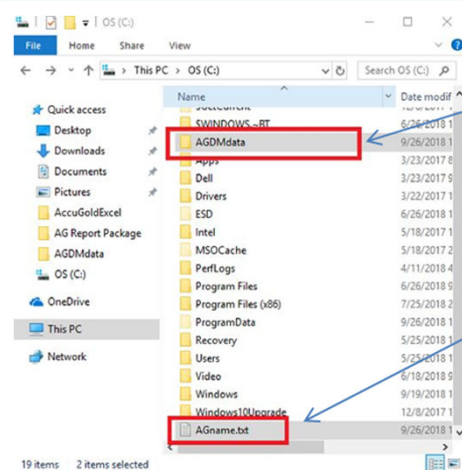
- Generally, the Accu-Gold 2 software stores processed results from your measurements in a session file format.
- Radcal is committed to supporting our customers through continual product improvements. As new x-ray equipment is developed or new measurements are required, it is often helpful for Radcal to obtain raw (unprocessed) data for the corresponding measurement. These data can greatly accelerate the release of new functionality.
- This application note describes the process required to obtain raw data using Accu-Gold 2
- (Note: AG2 version 2.46 or later is required.)

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Preparing to store raw data



New Folder

Setup file

- Preparing to capture raw data involves two steps:

- *Create the folder* in which data will be stored
- *Create a text file** specifying the filename in which data will be stored

(Note: folder and filenames are case sensitive)

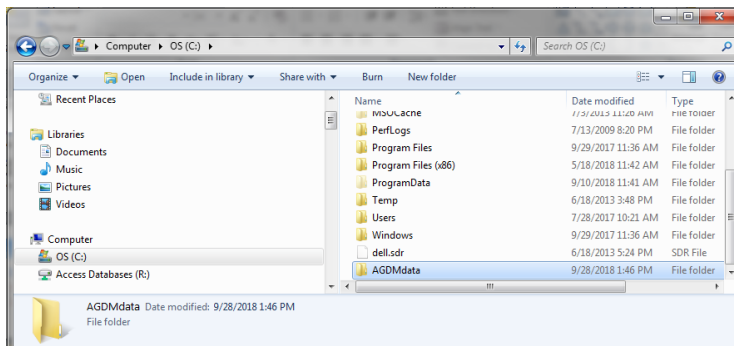
* Filename extensions must be visible. (See Note on last page)

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Creating the Folder



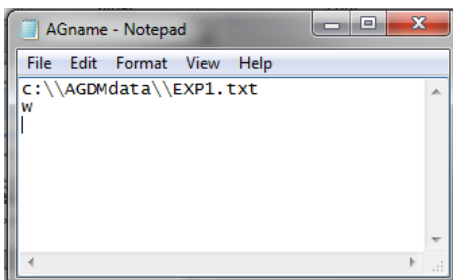
- Open *File Manager*
- Navigate to the root directory of the *C Drive*
- Create a new folder named *AGDMdata* by pressing the New Folder button
- If you've done this before, verify that a folder with that name already exists

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Creating the AGname File



- Open Notepad (or a similar text editor)
- Enter the text shown at left into the text file. Note that double backslashes, \\, are required in the first line.
- Save the file with the filename, *AGname.txt*, in the AGDMdata folder that you created on the C Drive (*C:\AGDMdata*)

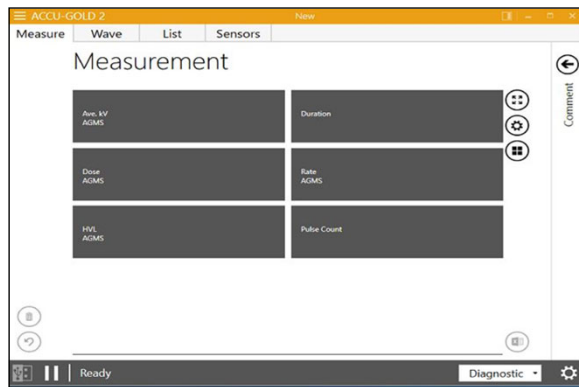
Note: folder and filenames are case sensitive

AN1011-CollectingRawDataUsingAG2 Rev:B



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Collecting the Raw Data



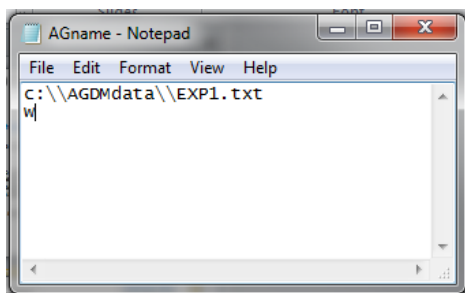
- *Connect all hardware* and position the sensors as usual to make a measurement
- *Launch Accu-Gold 2*. When the system is Ready, *make an exposure*
- After the exposure is complete click the *Stop/Pause* button
- The Raw Data has been collected and is now stored in the file specified in AGname.txt
- Enter information about the measurement in the comments section in AG2, including the filename used for that measurement.

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Collecting Multiple Raw Data Files



- Every time an exposure is made, *the raw data file will be overwritten*
- In order to record multiple raw data files, the filename in Agname.txt must be changed after each exposure.
- The example at left will cause raw data to be stored in the file *EXP1.txt*.
- In order to specify a different filename, simply change that text, i.e.: *C:\AGDMdata\EXP2.txt*
- Save the session file

AN1011-CollectingRawDataUsingAG2 Rev:B



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Sending the Files

- Include the files, the raw data as well as the measurement session, as attachments and e-mail them to your Radcal point of contact
- The files may be large for long exposures. In this instance, you may want to compress them using ZIP and send them all at once. Or you may contact Customer Support to arrange cloud storage.

IMPORTANT

- To stop the raw data storage/reading process, simply delete the AGname.txt file (or rename it for future reference). Deleting the second line (the 'w') will also stop the process.
- For support please contact Radcal at:

1-626-357-7921 x123
Cust_sup@radcal.com

AN1011-CollectingRawDataUsingAG2 Rev:B

Note – How to make filename extensions visible

The default for Windows has been to hide file extensions. The ramifications of this for this application is that if you save a text file with the name AGNAME.TXT, Windows really saves it as AGNAME.TXT.TXT and Accu-Gold will not recognize the file. The fix for this is to turn on the display of file extensions which can be turned off later if desired.

- For **Windows 10**

1. Start Windows Explorer, you can do this by opening up any folder.
2. Click the View menu.
3. Check the box next to "File name Extensions"

- For **Windows 7**

1. Start Windows Explorer, you can do this by opening up any folder.
2. Click Organize.
3. Click Folder and search options.
4. Click the View tab.
5. Scroll down until you notice Hide extensions for known file types, un-check this line by clicking the check box. To hide file name extensions, check this line.
6. Click OK

AN1011-CollectingRawDataUsingAG2.pptx