



Accu-Gold Software ver. 1.6.3 Release Notes

Overview and Comments

Document Version 1, May 26, 2015

1 Overview

This update extends the capabilities of Accu-Gold software, provides improved performance and incorporates routine bug fixes. Once the update is installed, the capabilities described below will become available without any additional action on the part of the user. This version is backward compatible with session files produced with all previous versions of Accu-Gold.

2 Extended capabilities - use examples

2.1 Drag & Drop to Excel

In the Measure window you may now click on a data value and drag it directly to an open Excel sheet. You may also copy any individual Measure data item to the clipboard and then paste it in any open document.

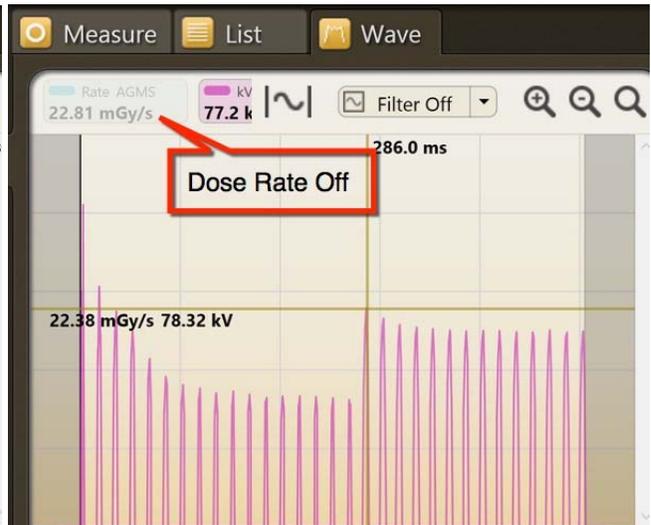
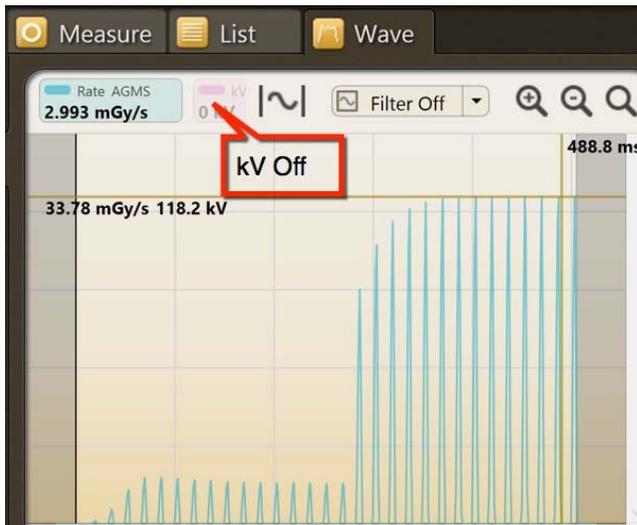
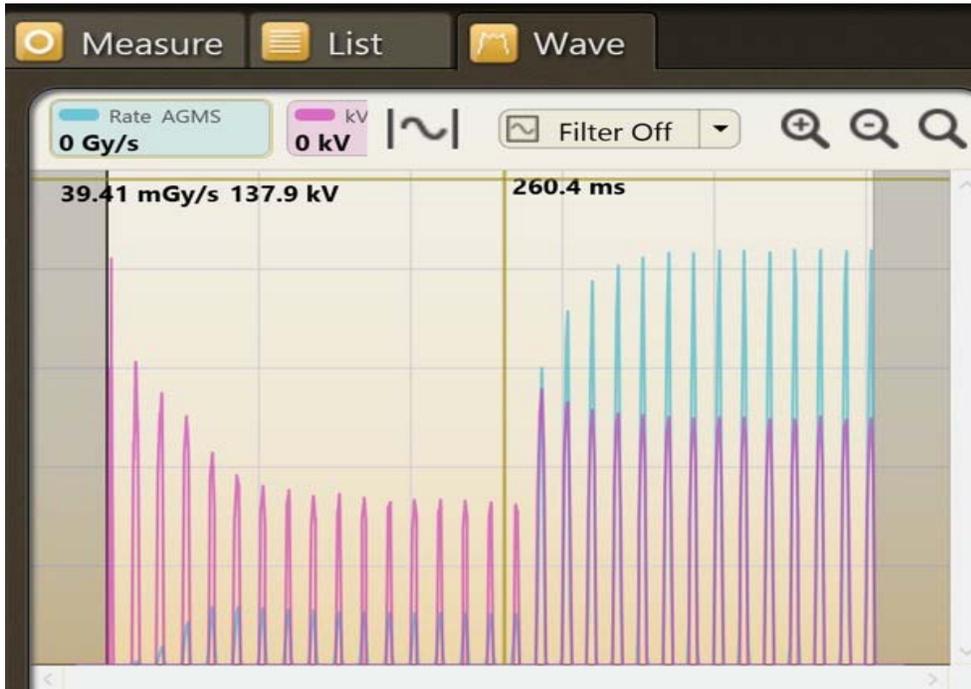




2.2 Hide individual waveforms in Wave View

Occasionally one waveform may obscure detail in another waveform. You can now selectively hide any wave by clicking on the wave name (e.g. rate or kV) as listed at the top of the Wave graph. Clicking again will un-hide the wave.

Wave view with difficult to see details



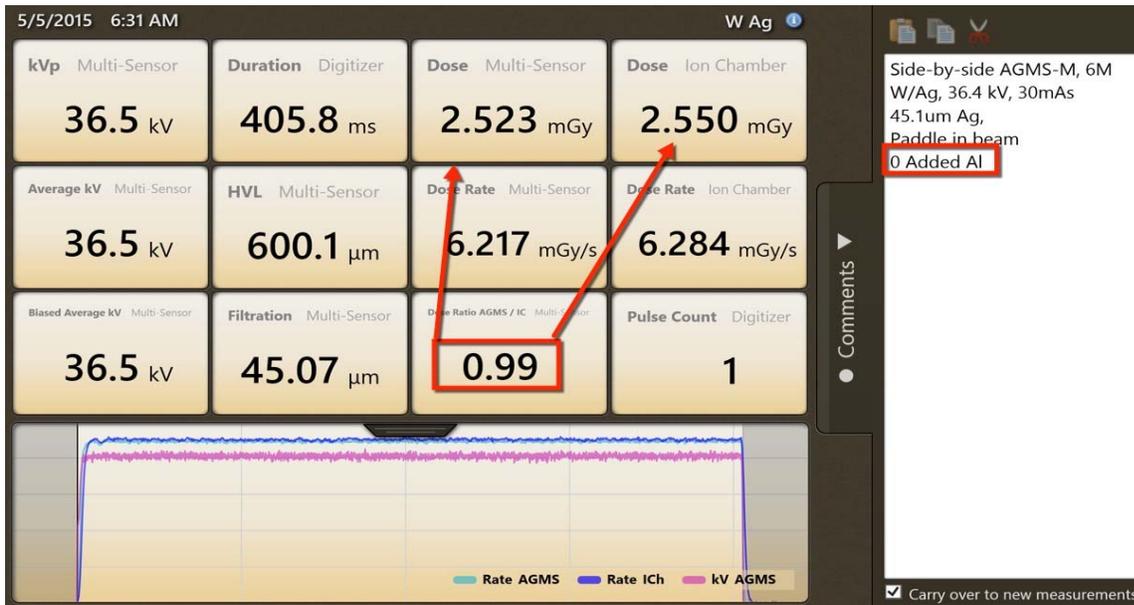
2.3 AGMS DM+, D+, M+ will display dose information when filter is out of range

Previous versions of Accu-Gold did not display multi-sensor dose information when kV data could not be obtained when the reported filtration was out of range (e.g. >40 mm Al eq. for diagnostic x-ray). This information is now available for all Accu-Gold "Plus" multi-sensors. This capability is especially useful for



copper filtered diagnostic beams (> 1mm Cu). For mammographic beams, aluminum filtration can now be added up to 1 mm without loss of dose accuracy ($\pm 5\%$). Thus, manual hvl measurements can be performed with aluminum filters. Although dose will continue to be displayed with >1mm Al added filtration, the uncertainty may increase to >10% for filtrations exceeding 2mm Al. Note: there is no warning that the uncertainty has exceeded Radcal's specification for dose once the 1 mm Al limit is reached.

Examples with a W/Ag beam while adding aluminum. The ion chamber is a Radcal 6M:



Note: In the first exposure (above) Accu-Gold reported the hvl to be 600 μm Al. In the exposure below, 600 μm Al was added to the beam. The result was a reduction in dose of 0.50 as reported by both the 6M ion chamber and the multi-sensor.

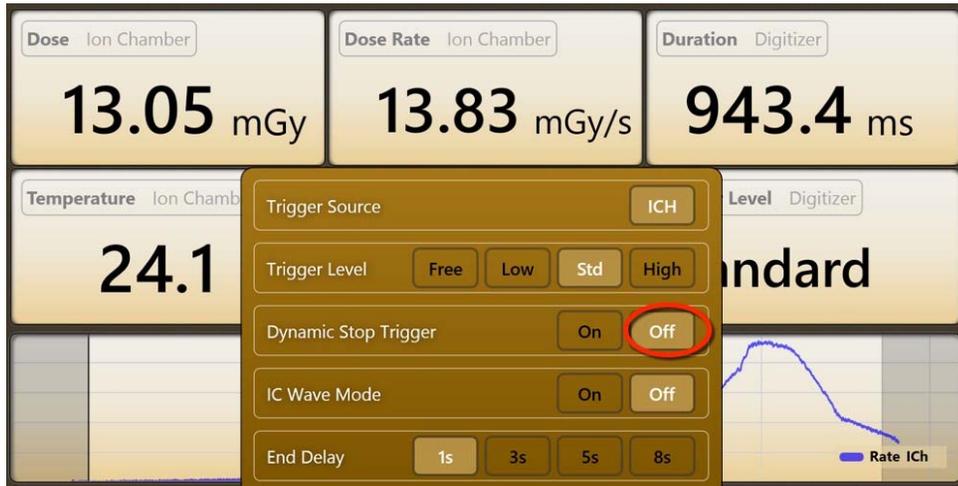




Ion Chamber Exposure with incorrect stop trigger



Select Dynamic Stop Trigger Off



New exposure with Dynamic stop trigger Off

