Release Notes - FuzzMeasure: 3.1

4571: A-weighting ability on FuzzMeasure

You can now create A- and C-Weighted copies of measurements in FuzzMeasure.

4558: Third octave reverberation time

You can now view reverberation time values in third octave bands as well as whole octaves.

5163: Save split view positions in the document

Split view positions are now saved in FuzzMeasure documents.

5368: Improved mouse control in waterfall view

The waterfall can no longer be tilted onto an awkward angle, and the axes are constrained now so you can no longer get stuck looking at the bottom/back of a graph.

5296: Clip indicator in the level meter

The level meter display now turns red if the input clips, and you can reset it by clicking it.

5358: Offset and duration settings for waterfall calculation

Offset and duration settings now exist in the waterfall plugin which provide a means to analyze a subset of the windowed impulse response. This effectively gives you the ability to 'zoom' into the time axis of the waterfall.

5359: Add calculated Lces and Cmes values to the impedance output

The Impedance plugin now reports Lces and Cmes values in its output.

5178: Add % Harmonic Distortion Graph

Harmonic distortion is now viewable for 2nd and 3rd harmonics in %.

367: Phase wrapping

FuzzMeasure now wraps phase response by default, and you can turn off phase wrapping in the Frequency graph menu.

2031: Zoom to rectangle

You can now drag the mouse in zoom mode to create a 'zoom rectangle' to zoom into.

4357: Export ZMA files from the Impedance PlugIn

You can now save ZMA files from the Impedance plugin using the File > Export... command.

4382: Keystroke for normalizing records

Option-N now normalizes the selected measurement record.

2489: Reverberation time plugin not using impulse response window in calculation

The reverberation time plugin now uses the impulse response window to aid in its estimation of reverberation time. This allows you to reduce the effects of the measurement's noise floor on the estimated reverberation time values.

5371: Improve readability of distortion graphs

Distortion graphs now use a thick line to indicate the fundamental, a solid line for the 2nd harmonic, and a dashed line for the 3rd harmonic.

5360: No units displayed in the waterfall plugin

Text fields in the waterfall plugin now display the appropriate units of measure.

5208: Positive sign included in y offset causes endless format error loop

You can now break this loop by specifying 'Discard Change' in the error sheet.

5217: Exporting distortion graph only shows 2nd harmonic

Exported harmonic distortion data now includes all the displayed harmonics.

5281: Change phase major/minor values to be degree-friendly (30, 60, ...)

When viewing phase, the major/minor vertical axis labels now make much more sense.

5285: Exported frequency graph data doesn't have csv extension

The csv extension is now appended by default if it is not supplied by the user.

4483: Reverberation time value selection

In the Reverberation Time plugin, a popup button in the toolbar now allows you to select the reverberation time value displayed in the graph.

1527: No preferences for default display smoothing/type

You can now set the default frequency smoothing and display type for new documents in the preferences.

4424: Impedance PlugIn Crashes with Minimum Phase input

The impedance plugin no longer crashes in this (strange) situation.

4572: Show inspector on launch by default

The inspector is now shown by default on launch and for new documents.

4573: Using Reverberation Time PlugIn with imported 192khz impulse causes crash

FuzzMeasure now no longer crashes with 192kHz input in the Reverberation Time PlugIn.

4580: Print toolbar item in Impedance plugin is disabled

The print toolbar item is now enabled, and the printout is actually quite a bit more useful now.

4606: Normalizing a record can't be undone

You can now undo normalization operations.

4620: Waterfall display is bound by the duration of the impulse analysis window

Waterfall results now get calculated within the bounds of the impulse analysis window's start and end times.

4879: Improve maximum detection in waterfall

Waterfalls now follow the maximum displayed value more closely.

5136: 32-bit WAV/AIFF export option

You can now export 32-bit impulses in addition to 16- and 24-bit.

2752: Labels not shown on frequency axis when zoomed in

When zoomed in, more labels are used to distinguish between values when necessary.