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## SOFTWARE UPDATES | Volume 1, 2022

APPLICATION	VERSION
Core Library	0.3
Raw2Data	5.22
SAARecorder	7.93
ShapeArray™ Viewer	3.04
SAASuite	3.06
DataChecker	1.45
FileGenerator	4.0
SAADroid	1.52

Listed above are the most recent versions of our software. Please click [here](#) to update.

## UPDATES INCLUDE:

### Core Library 0.3:

#### Highlights

**New Features:**

- The API and Core library now supports multiple frameworks.

**Fixes:**

- Fixed the parsing of the SAATop section in the calibration file for older ShapeArrays with multiple tops.
- Fixed a problem with the creation of an empty ShapeArray object.

**Raw2Data 5.22:****Highlights****Fixes:**

- Fixed a problem that added CumulativeDisplacementZ to the DIY files for horizontal data when it should have been just for convergence data.
- Fixed a potential issue trying to save a file from the FTP if the path contains an invalid character.
- Fixed a problem that prevented newer SAAX instruments from being installed as “rail”.

**SAAREcorder 7.93:****Highlights****Fixes:**

- Changed function for detecting if a ShapeArray has been extended to also require that a calibration file is available that specifies a positive number of ShapeArray segments.
- Fixed an issue with automatic detection of SAAV Extend ShapeArrays connected via a PDU via Bluetooth.
- Updated the software to better ensure that all segments in a SAAV Extend ShapeArray are in the same power mode.
- The measured current draw of a ShapeArray is no longer a pass or fail criteria for diagnostic tests.
- ShapeArray’s current draw is now reported the same throughout SAAREcorder.

- Fixed an issue that caused a single ShapeArray connected to a SAA232-5 interface to be shut down after every sample was obtained.

## ShapeArray™ Viewer 3.04:

### Highlights

#### Fixes:

- Tooltips have been improved to better reflect the user interface (UI) elements they refer to and to make them easier to read.
- Fixed problem with user lines disappearing when selecting the total acceleration view.

## SAASuite 3.06:

### Highlights

#### New Features:

- Beta downloads are now always saved to the computer before asking if it is to be run.

## FileGenerator 4.0:

### Highlights

#### New Features:

- Re-designed the user interface to simplify ShapeArray handling.

#### Fixes:

- Fixed a problem that may prevent CR1000X and newer loggers from successfully collecting diagnostics information from SAAV ShapeArray and older SAAF ShapeArray.
- Added some code to the logger program that will check if a value is NaN before saving it to the data table.
- Updated the calculation for the current at the top of the ShapeArray
- Fixed an issue that prevented model 2 ShapeArrays to work properly on Campbell Scientific CR1000X data loggers.

- If more than one calibration file (ShapeArray and/or Lift) is found for a ShapeArray, the user is presented with a selection dialogue to pick the calibration file to use.
- Fixed the reported current from the SAATop to be zero (0) when it is actually zero (0).
- Logger programs can now be opened, and the UI be populated, without needing ShapeArray calibration files.

## SAADroid 1.52:

### Highlights

#### Fixes:

- Fixed an issue with establishing a Bluetooth connection on Android 11.
- Fixed the calculation for measured current to report that the current can be 0 mA.
- Fixed an issue that prevented SAADroid to connect to ShapeArrays via Measurand's Portable Diagnostic Unit (PDU).
- Fixed an application crash due to an incompatibility with more recent versions of Android.
- Fixed an issue that caused the deformation graph to not be shown when switching to the deformation tab the first time.
- Added capability to "long click" on a filename in a list of filenames, in order to see the full name of that file and info about when it was modified.

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## HAVE SOFTWARE FEEDBACK FOR US?

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