Studio Software Update 2010.10.13 – Release Notes

Previous Studio Release: 2010.07.27

Update Priority: Optional

Summary:

Akrometrix Studio 2010.10.13 is categorized as 'Optional' and only needs to be upgraded by customers using 2D Diagonal or custom chord plots. As usual, all included Studio applications have been validated for compatibility with previously created Akrometrix Studio file formats.

Important bug fixes and added features are listed below. This list does not include all resolved bugs. Additionally, some known open issues are listed, with work-arounds where applicable.

Update Procedure:

Uninstall Akrometrix Surface Analysis via the Add/Remove Programs functionality in Windows. This can be found in Windows XP from the Start menu -> Settings -> Control Panel -> Add or Remove Programs. Download all applications for Studio 2010.10.13 and launch to install. For this release only Surface Analysis will be downloaded and updated.

Key Bug Fixes:

Surface Analysis:

- Resolved a bug seen in Surface Analysis where the x-scale of 2D diagonal and some custom chord graphs were being shown with incorrect values.

Known Issues (these bugs were not resolved in time for this release):

- Stress testing in both Thermal Profiler and Surface Analysis has revealed that dealing with very large quantities of measurements can cause software crashes due to memory limitations. In Thermal Profiler this issue appears to show up typically after hundreds of measurement points by not saving measurement data and may eventually crash the software. In Surface Analysis opening large quantities of phase images or plots, particularly those that are larger in size, can eventually lead to error messages related to memory or stating "bad allocation". Note that this memory error can occur even after many images are closed. However, this is not expected to greatly affect most users given the software's batch processing capabilities. The Surface Analysis software will need to be restarted in order to recover.

Surface Measurement:

- On some systems we have seen a delay in motor homing on Surface Measurement start up. This delay was occurring for about 16 seconds after clicking "Yes" to home. This can be avoided by choosing "No" at this prompt, or the user can wait the extra time.

Surface Analysis (with MP10 only):

- When MP10 images are rotated they will produce erroneous surface data. Because of this error, rotation of single images has remained disabled in the software. However, Batch Rotation of MP10 phase images remains possible when it should not be. For now, orientation of MP10 images should only be changed visually in surface plots when desired. This problem is also present in previous releases.

Versions (listed for reference):

- SurfaceAnalysis   4.3.8.5