

# SpectraCorr V1.1 SP1 Release Notes

September 2007 Update

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## About This Document

This document contains information about the SpectraCorr™ version 1.1 Service Pack 1 (SP1) software release, including new features, enhancements and bug fixes.

## About SpectraCorr

Thermo Scientific SpectraCorr software combines the latest development in 2DCOS algorithms and advanced imaging graphics display, providing users with powerful data process options and multiple display modes for spectral correlation and profiling analysis. This software is a complete solution for the most demanding 2DCOS analysis of dynamic spectroscopic systems.

## SpectraCorr V1.1 SP1

### Enhancements

Use of updated ActiveX controls that are shared with OMNIC™; see fixed OMNIC 7.4 issues regarding VTK controls.

### Bug Fixes

In version 1.1 small correlation intensity values can be truncated to zero values in the edit boxes of the Display Limits setup dialog. It is fixed by adding more significant digits for the edit boxes.

## SpectraCorr V1.1

### New Features

Blanking within intensity range:

Correlation data map displays sometimes produce oversaturated contours in areas of low intensity, which is mainly a product of noise in the data. To eliminate those undesired contours, a new filter was implemented. It blanks data that is lower than a positive threshold and higher than a negative threshold value (in low absolute value data areas). To apply the new filter, choose Display Limits from the View menu, select Blanking Within Intensity Range, and adjust the range bar to the desired range.

### Enhancements

Performance improvement on processing data, which contains NaN (not a number) values. The NaN values tend to throw micro-exceptions in a routine when being processed, which consumes process cycles. Now SpectraCorr bypasses NaN values, thus significantly improving the correlation processing speed on the NaN-contained data.

### Bug Fixes

In version 1.0 the asynchronous and absolute phase correlation produced data that had the opposite sign in comparison to expected results. It is fixed in this release.

In version 1.0 the preference setup set a cursor color, but this was not reflected in the 3-D control. The 3-D control retained only a red color cursor. It is fixed in this release.

## **SpectraCorr V1.0**

Initial version: All new features.

## **Problems?**

If you have problems installing or running this software, please contact us:

Telephone: 1 800 532 4752 (U.S.A.) or +1 608 273 5017 (worldwide)

Fax: +1 608 273 5045 (worldwide)

E-mail: [us.techsupport.analyze@thermofisher.com](mailto:us.techsupport.analyze@thermofisher.com) (U.S.A.)

World Wide Web: <http://www.thermo.com/spectroscopy>

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