

EOS

Nanosecond Transient Absorption Spectrometer

Transient Absorption of TPP with ns Pump

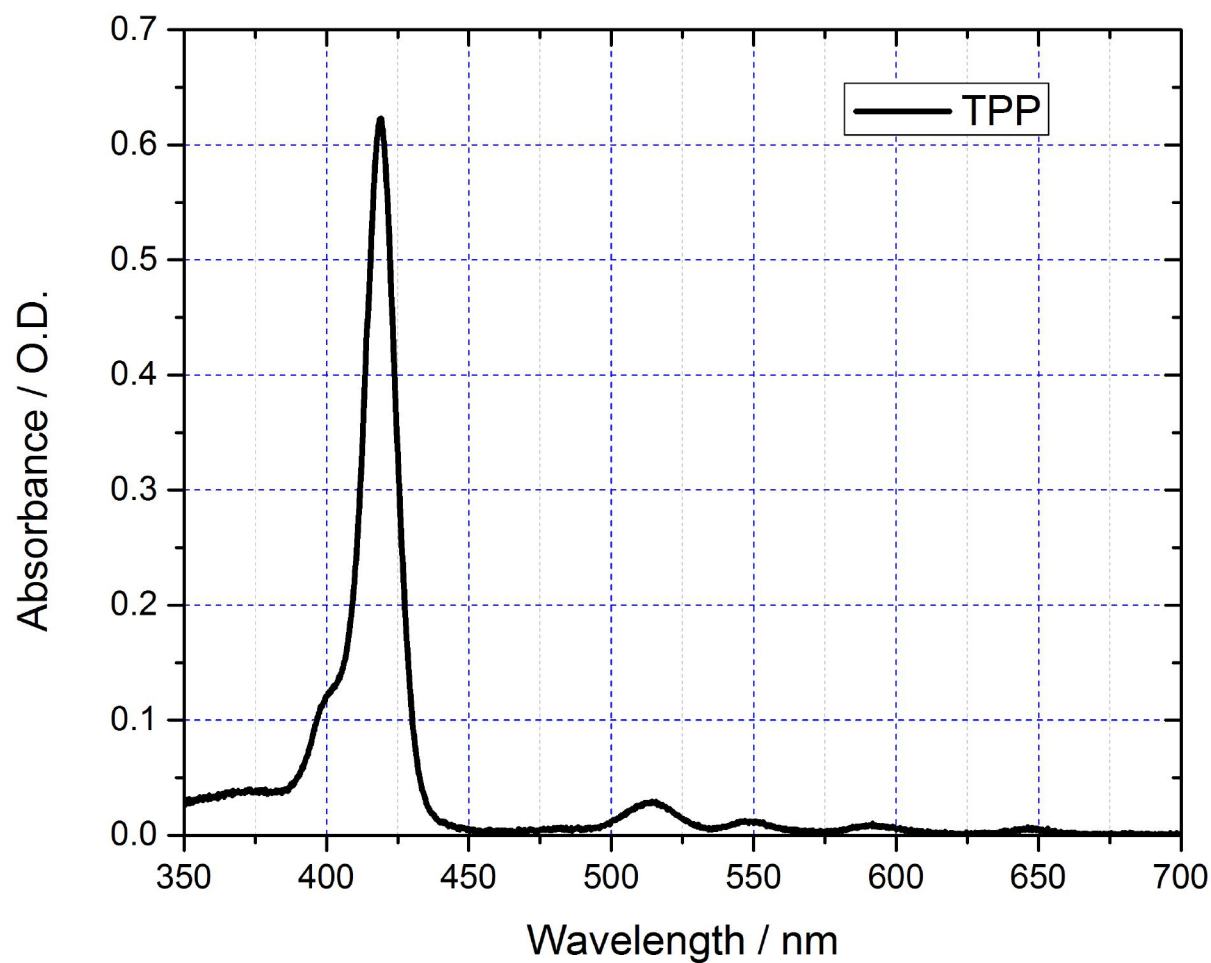
DATA EXAMPLE



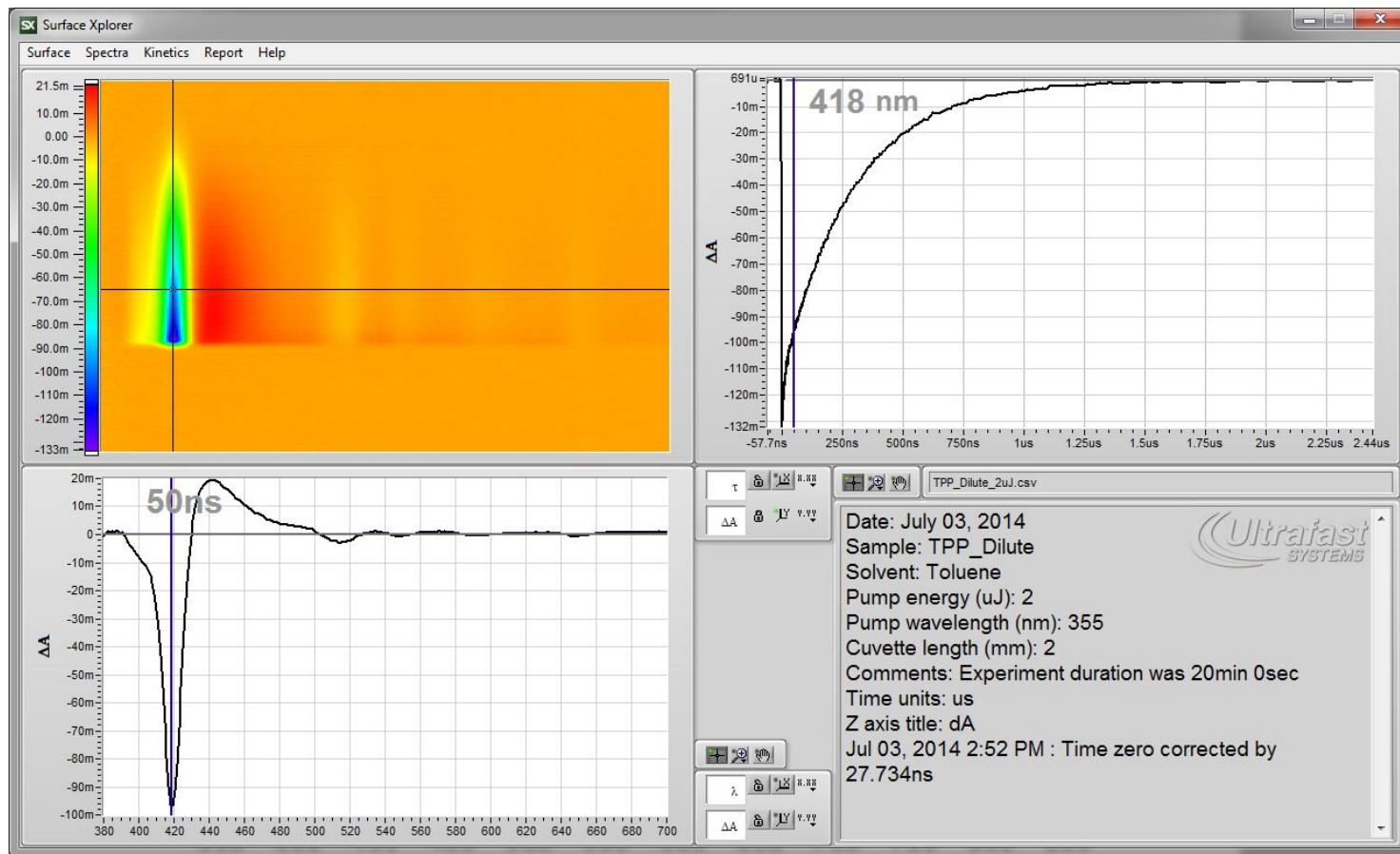
Experiment Details

- Sample: Tetra-Phenyl-Porphyrin (TPP)
- Solvent: Toluene
- Laser / OPA: NT242 by Ekspla @ 1 kHz
- Pulse duration: 3-6 ns
- Pump energy: 2 μ J
- Pump wavelength: 355 nm
- Ground state absorbance: 0.04@355nm
- Measurement time: 20 min

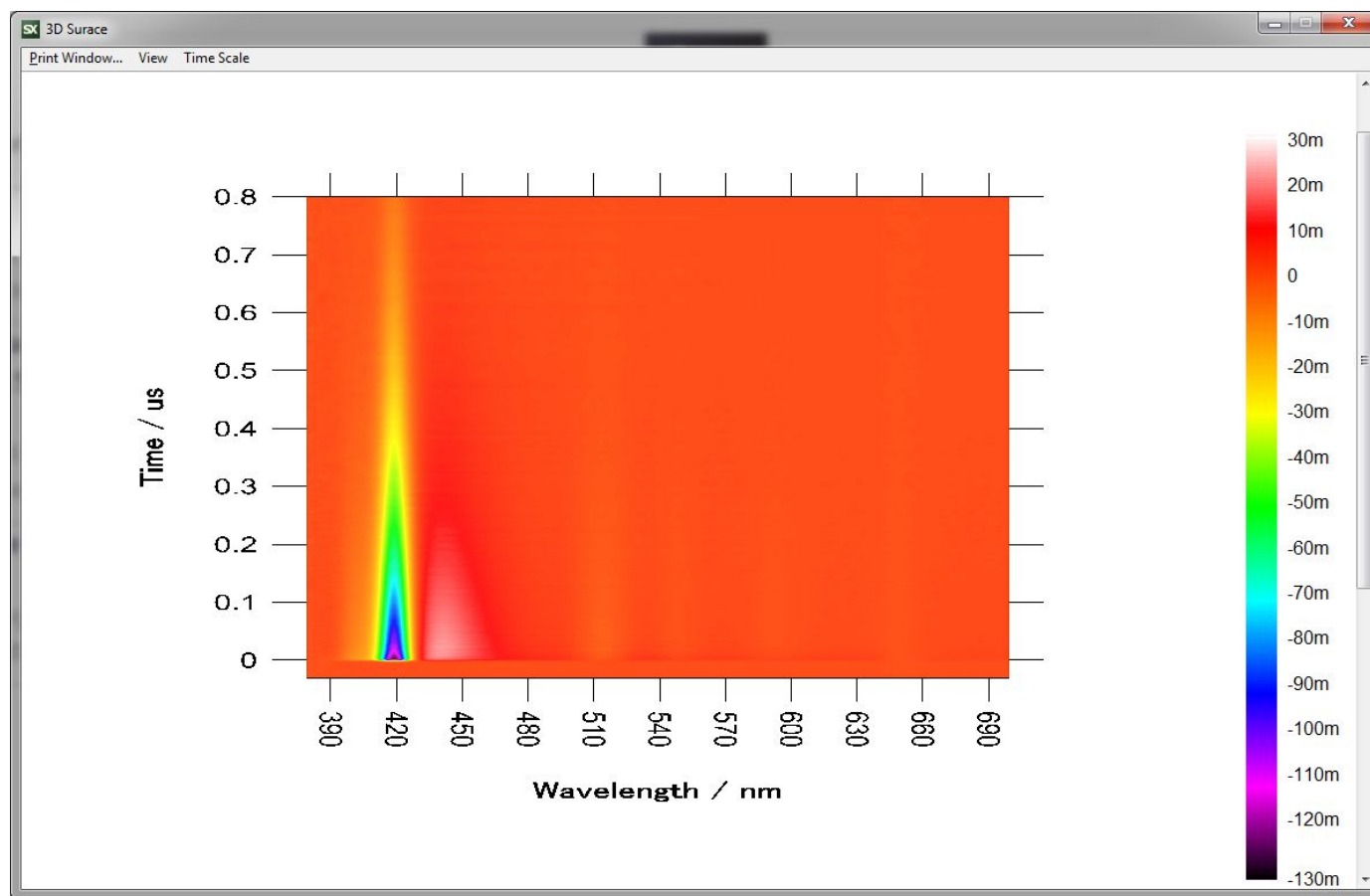
Ground State Absorption Spectrum of TPP in Toluene



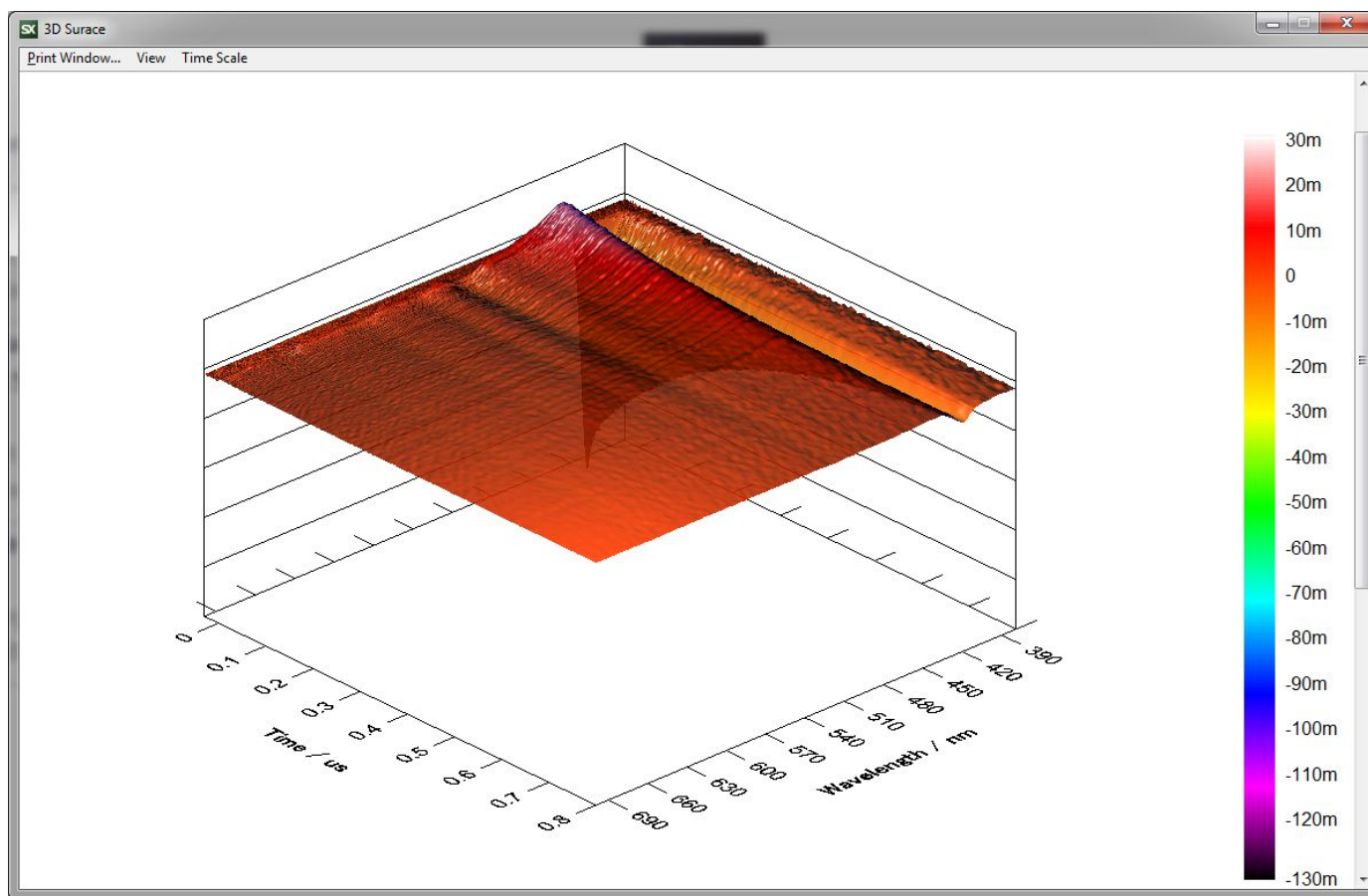
TPP Dynamic Surface with Kinetic and Spectral Slices in Surface Xplorer Software



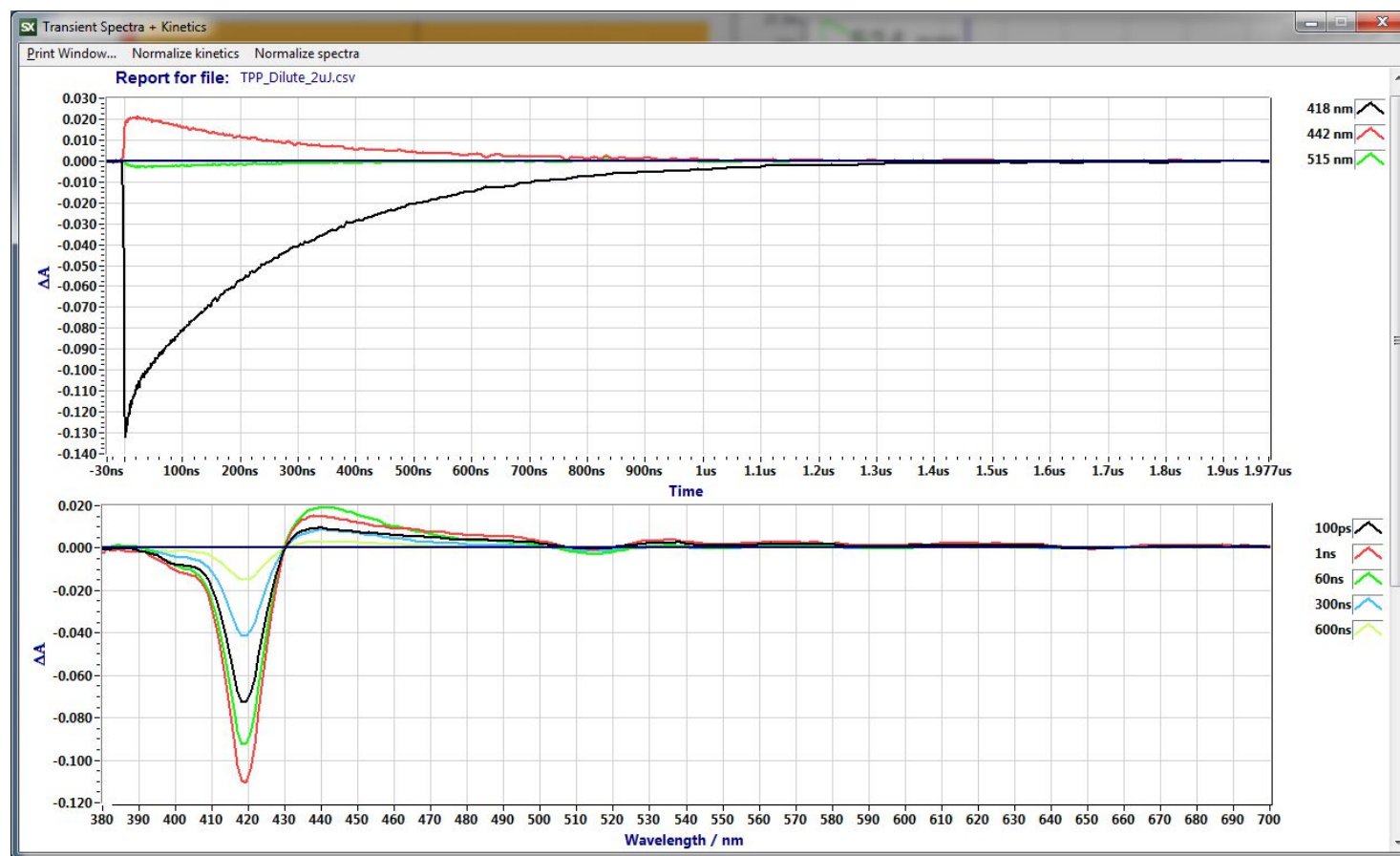
Dynamic Surface of TPP (Bird's Eye View)



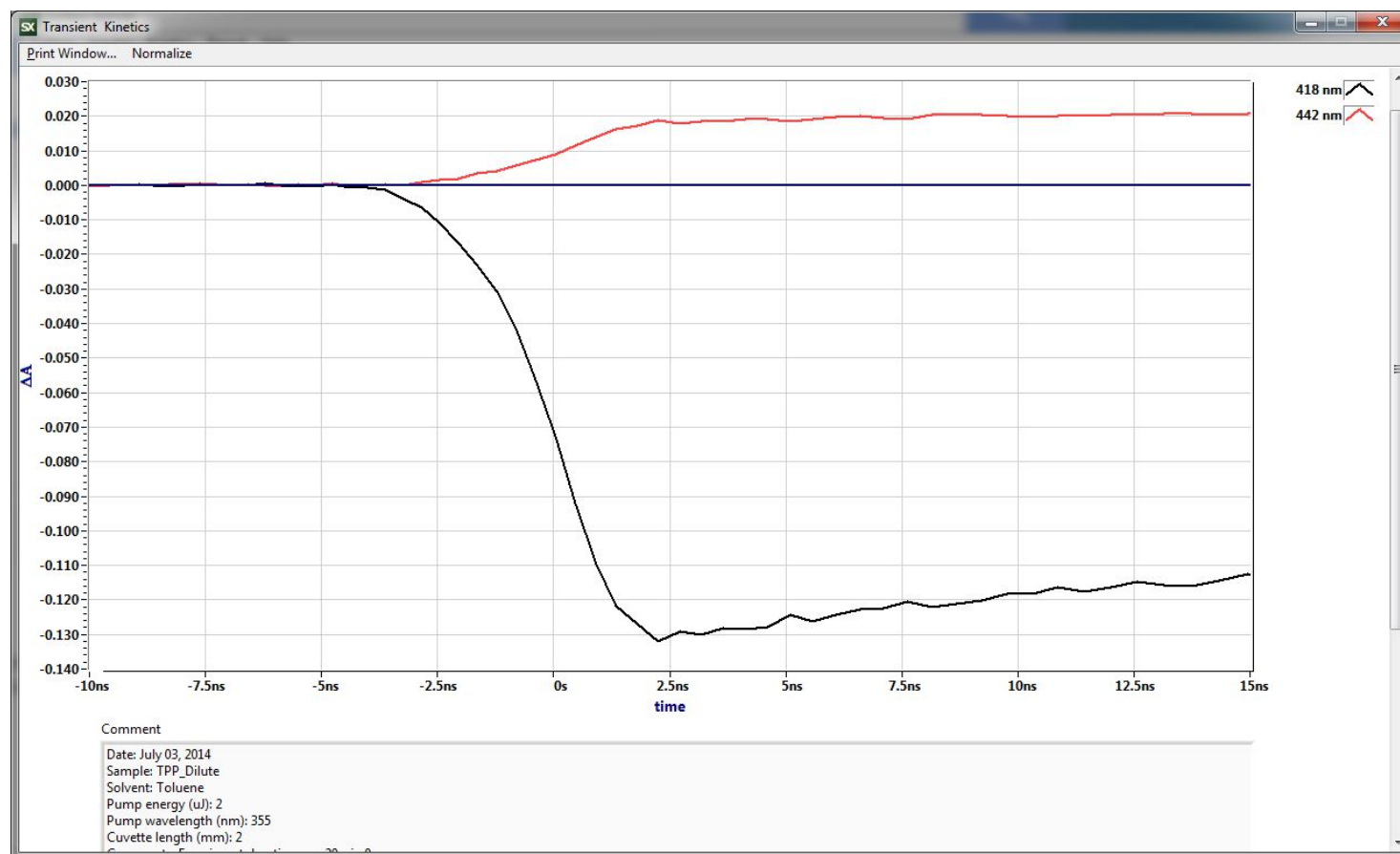
Dynamic Surface of TPP (3D View)



Transient Kinetics & Spectra of TPP in Toluene



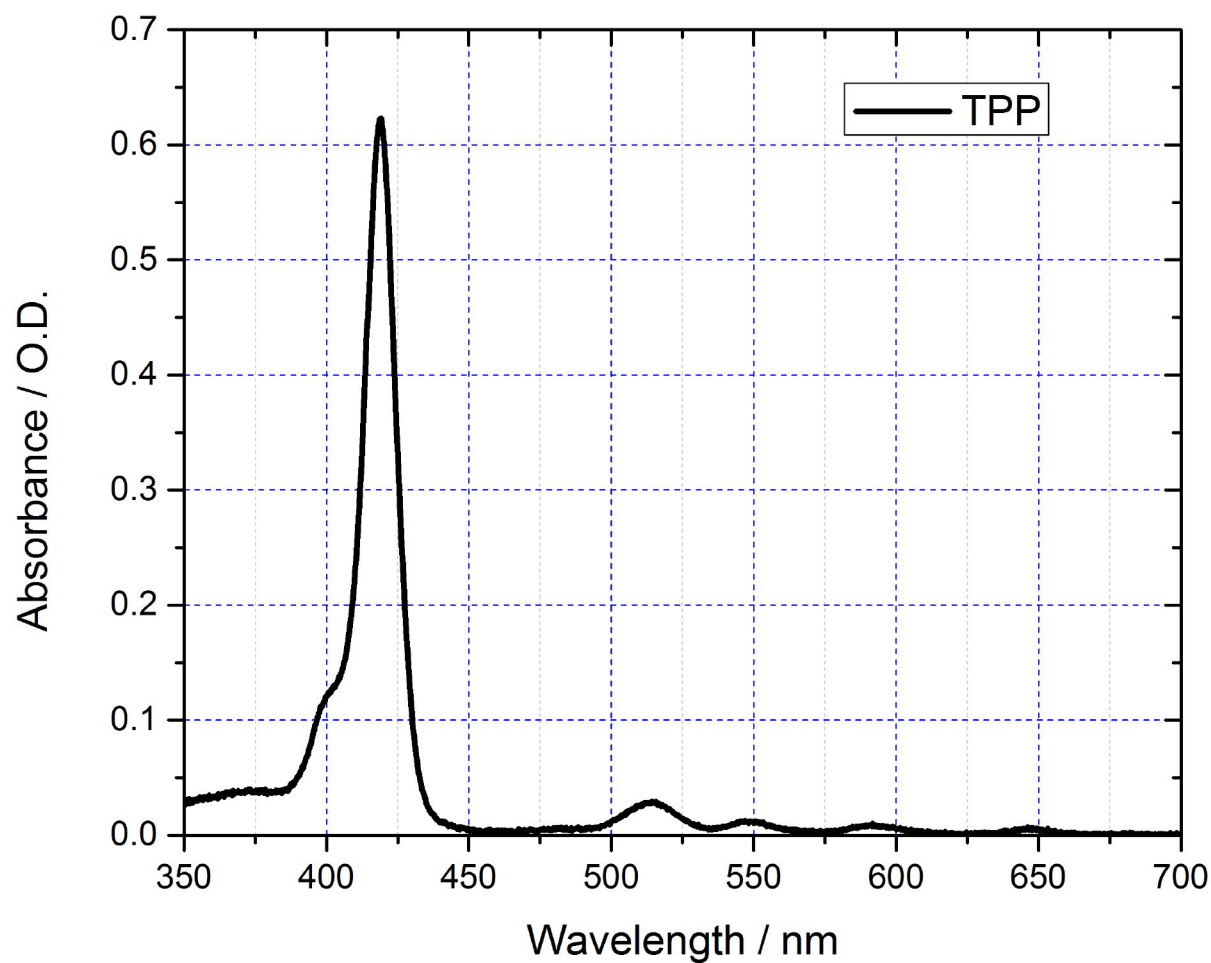
Rise Time of TPP in Toluene



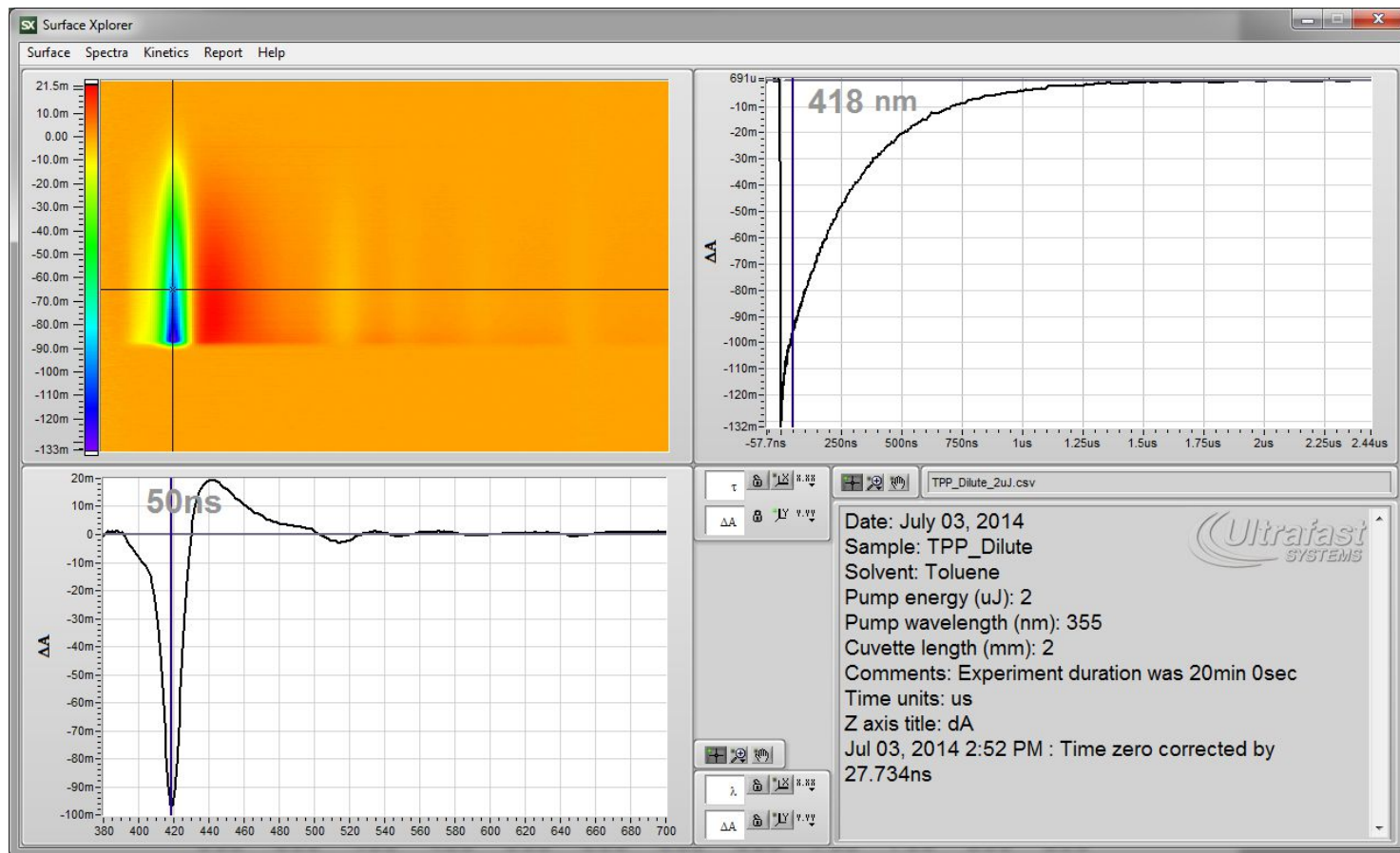
Experiment Details

- Sample: Tetra-Phenyl-Porphyrin (TPP)
- Solvent: Toluene
- Laser / OPA: NT242 by Ekspla @ 1 kHz
- Pulse duration: 3-6 ns
- Pump energy: 0.3 μJ
- Pump wavelength: 355 nm
- Ground state absorbance: 0.04@355nm
- Measurement time: 60 min

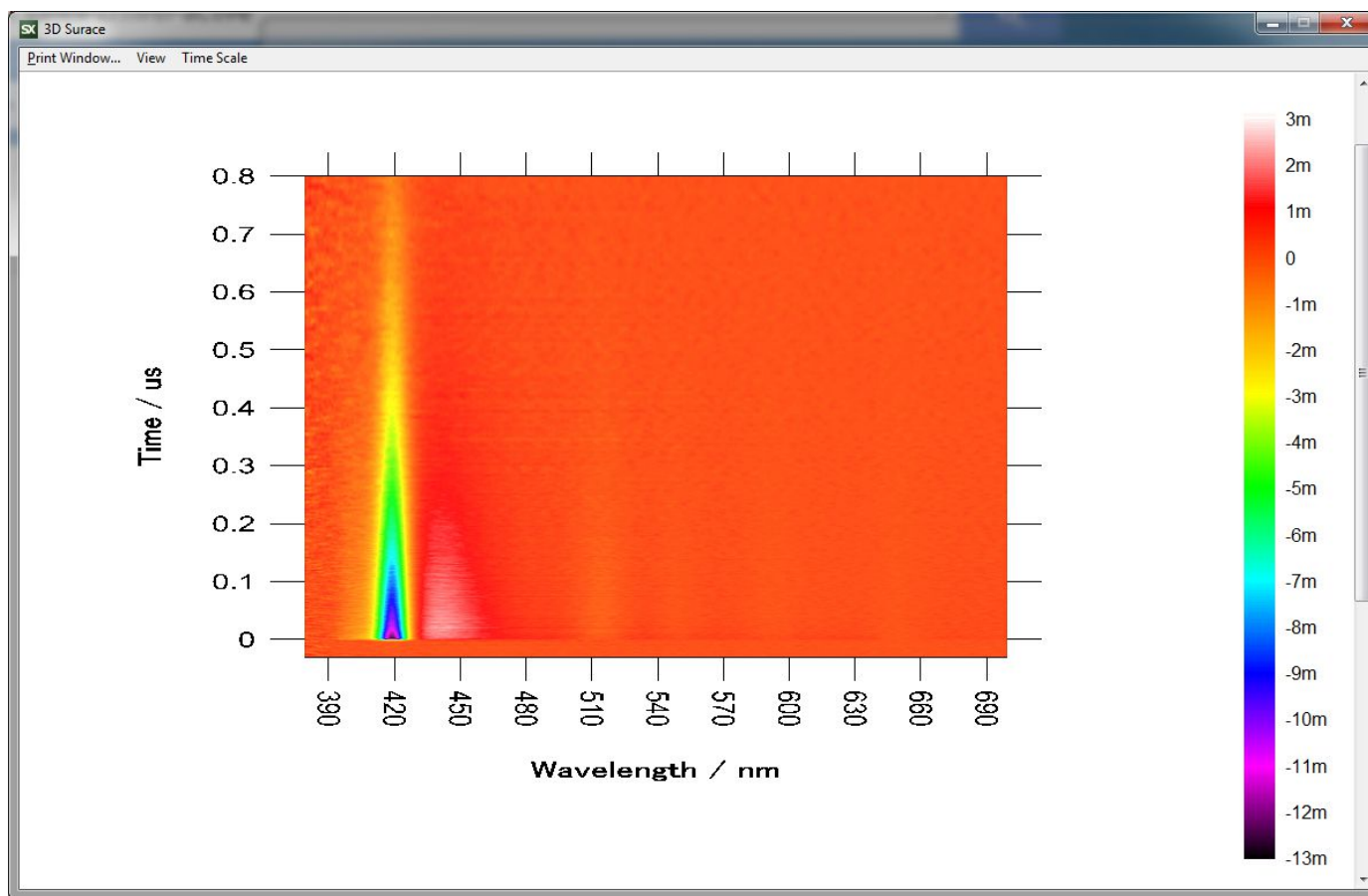
Ground State Absorption Spectrum of TPP in Toluene



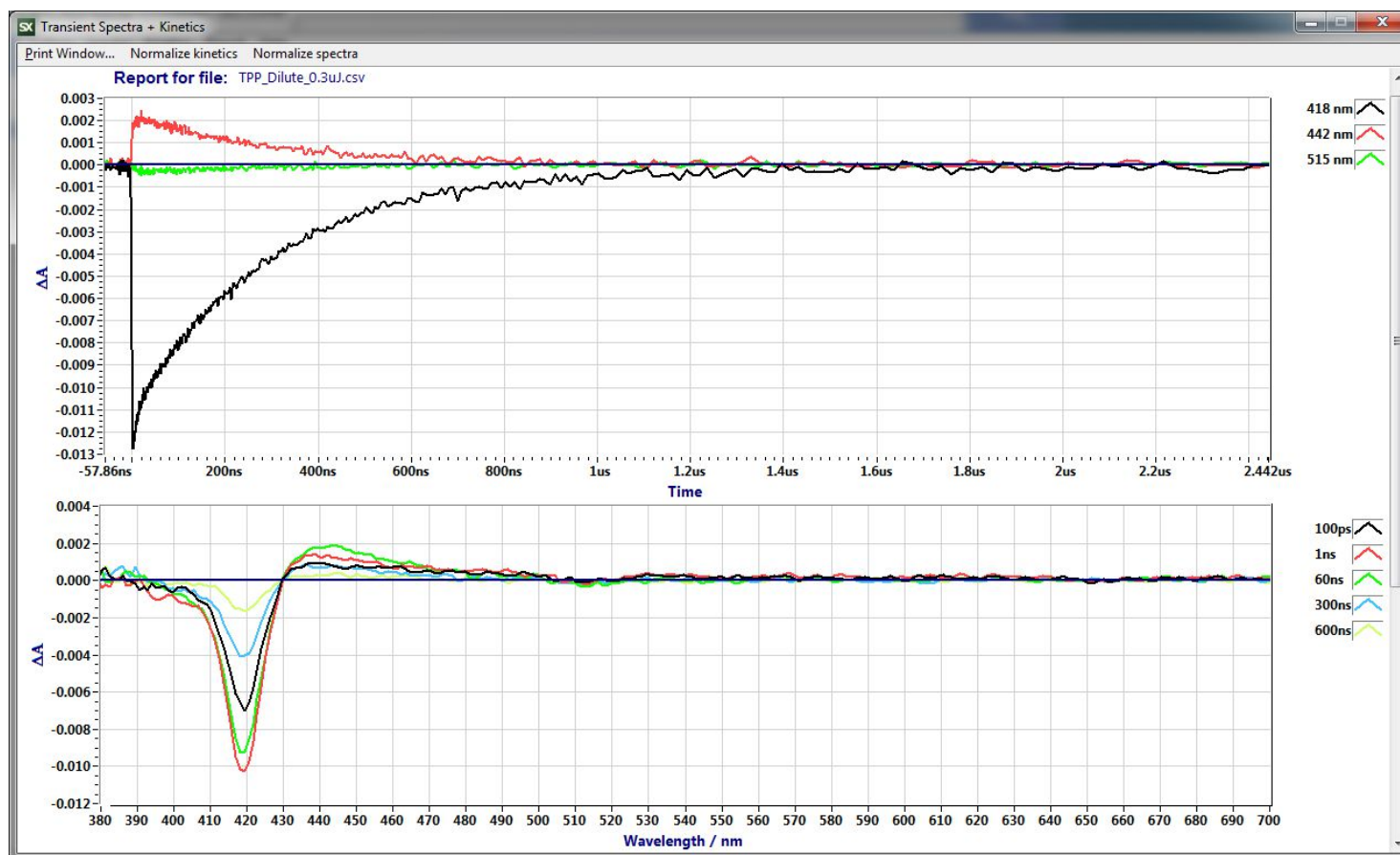
TPP Dynamic Surface with Kinetic and Spectral Slices in Surface Xplorer Software



Dynamic Surface of TPP (Bird's Eye View)



Transient Kinetics & Spectra of TPP in Toluene



Rise Time of TPP in Toluene

