

# EOS

## Nanosecond Transient Absorption Spectrometer

Millisecond Transient Absorption of Congo Red (Time window: 250 ms)

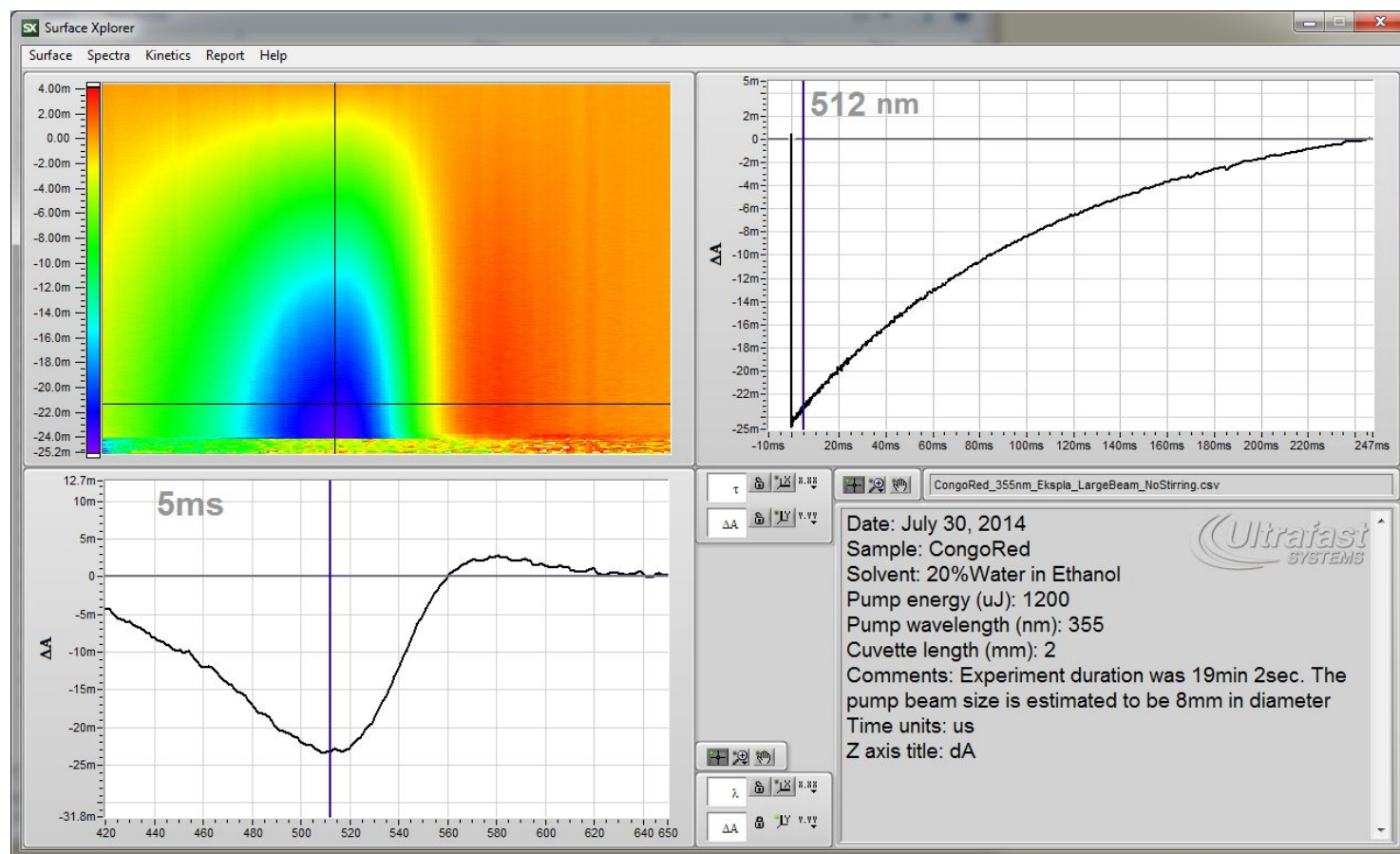


DATA EXAMPLE

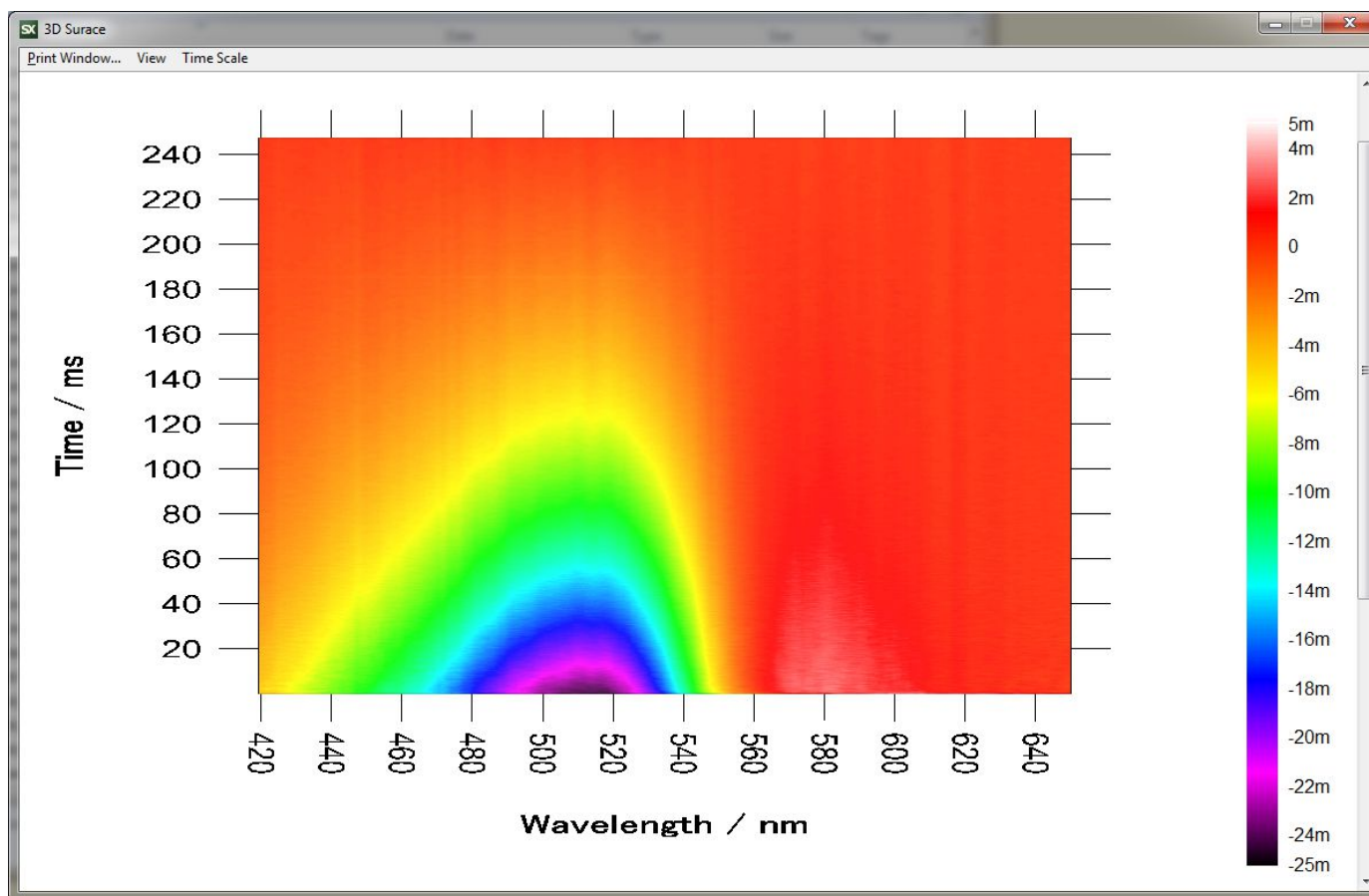
# Experiment Details

- Sample: Congo Red
- Solvent: 20% Water in Ethanol
- Laser / OPA: NT242 (Ekspla) @ 4 Hz
- Pump energy: 1.2 mJ
- Pump beam diameter at the sample: 8 mm
- Pump wavelength: 355 nm
- Measurement time: 20 min
- Sample was not stirred to minimize the diffusion of excited molecules out of the probed volume

# Congo Red Dynamic Surface with Kinetic and Spectral Slices in Surface Xplorer Software

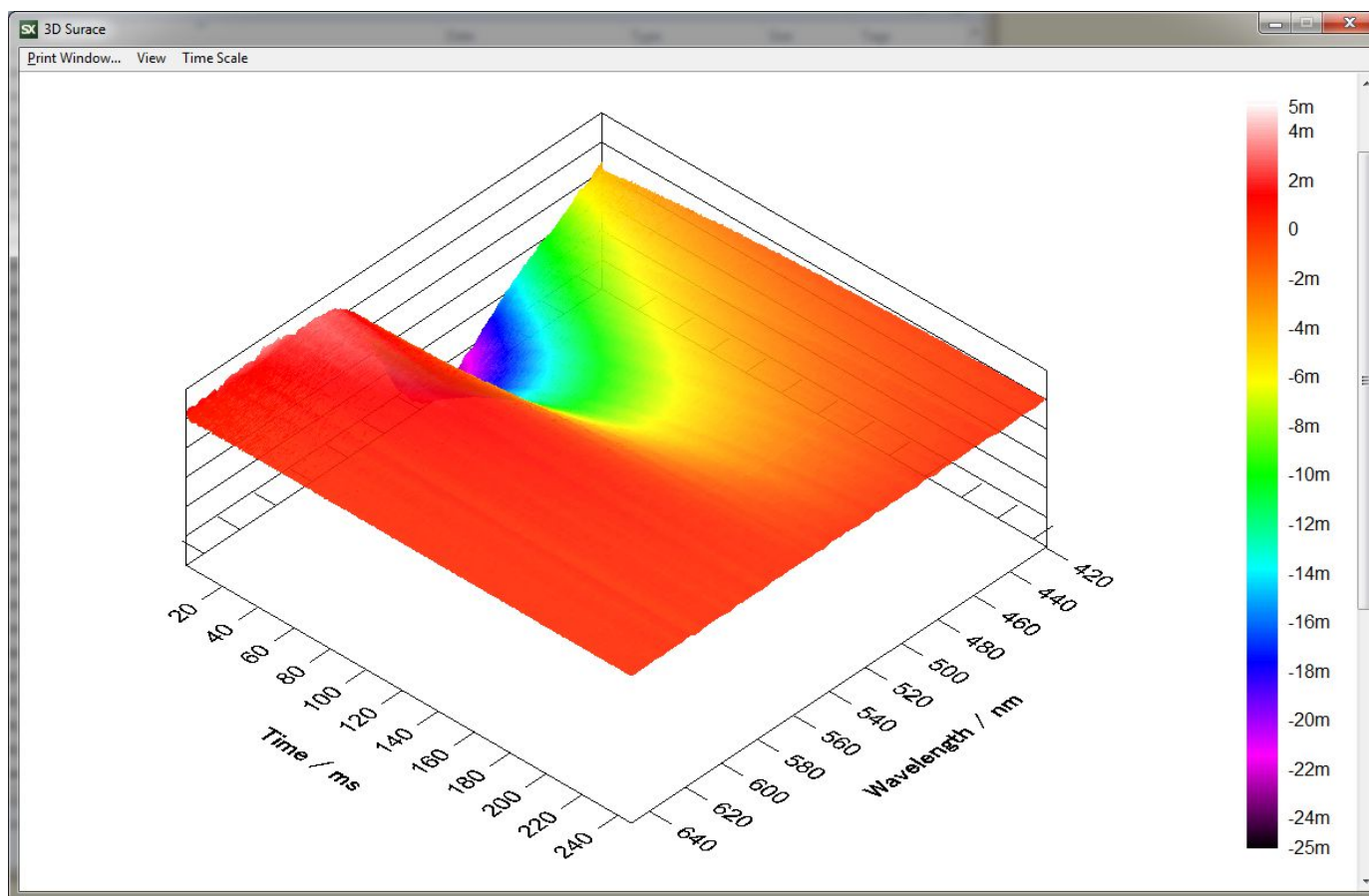


# Dynamic Surface of Congo Red (Bird's Eye View)



EOS Millisecond Transient Absorption of Congo Red (Time window: 250 ms)

# Dynamic Surface of Congo Red (3D View)



EOS Millisecond Transient Absorption of Congo Red (Time window: 250 ms)

# Transient Kinetics & Spectra of Congo Red

