

6. Analyze a Transient Thermoreflectance Image in SanjANALYZER

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SanjANALYZER opens `.fdi` (Low Frequency) or `.tti` (Transient) data files. Load a thermal image by double-clicking the file of interest in the file selection control; the CCD and thermal images then appear in the display windows.

Worked example — image series analysis:

1. Select the first image of the transient series.
2. Enter the "**number of images in the series**" (51 in the example).
3. Select an ROI box on the area of interest (on top of the 5 μm Gold heater in the source example).
4. Select "**Process Series.**"

The software steps through the image series and plots the data in the "**ROI Mean Series**" graph, lower left. Right-click the y-axis to auto-scale the graph.

Reference: Under the **Cross-Section** tab, select the correct "**Objective**" used during imaging to get the correct pixel-to-distance scale before saving a cross-section (ASCII, tab-delimited).

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