

FOCIS™ Data Capture and Analysis Software

Optical Blade Tip Timing (BTT) and Blade Tip Clearance (BTC)



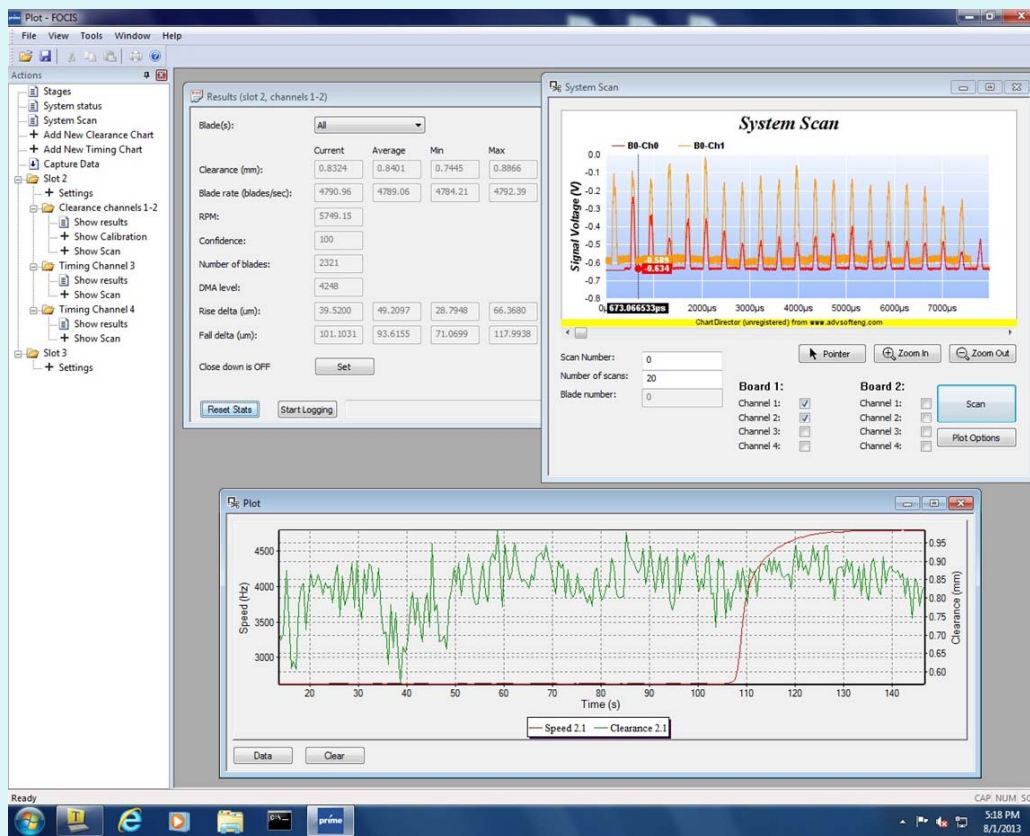
The FOCIS™ Data Capture and Analysis software package allows users to view and/or record data captured by PXIe FOCIS™ Data Capture Cards. The software allows the user to view and record Blade Tip Timing, rotor RPM and blades per second speed data. The FOCIS™ Data Capture and Analysis software package comes included with PXIe chassis/controller systems from Prime Photonics or can be purchased separately.

Key Features

- Blade scan window – provides oscilloscope type functionality to view blade waveforms
- Numerical output data display for each probe or channel
- Ability to simultaneously interrogate many probes on different rotors
- Calibration interface to facilitate on-engine calibration
- Graphing capabilities of clearance and speed data
- Data logging function to save data to output files.
- Multiple waveform thresholding options
- Blade-by-blade bar charting and histograms (coming soon)

Example Outputs

- Blade Tip Timing (BTT) Data – time of arrival data for each blade
- Rotor RPM and Blades per Second speed data



CONTACT: PRIME PHOTONICS
1116 SOUTH MAIN ST
BLACKSBURG, VA 24060
+1 (540) 961.2200

WWW.PRIMEPHOTONICS.COM
INFO@PRIMEPHOTONICS.COM