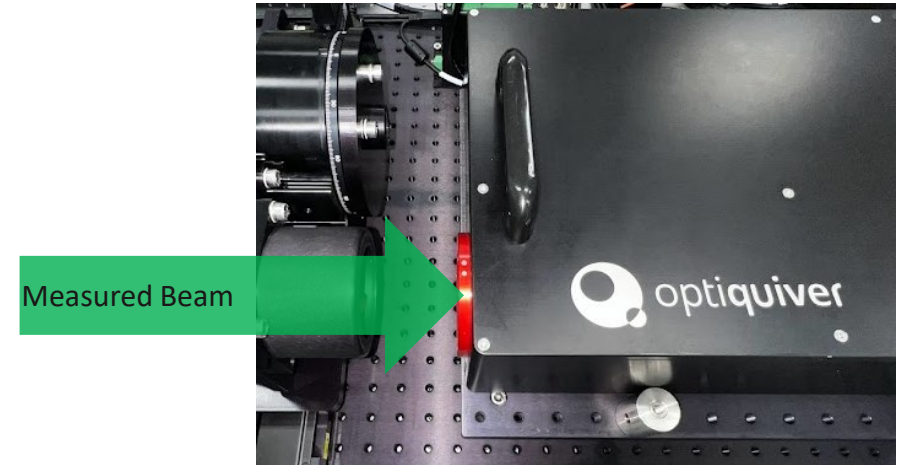
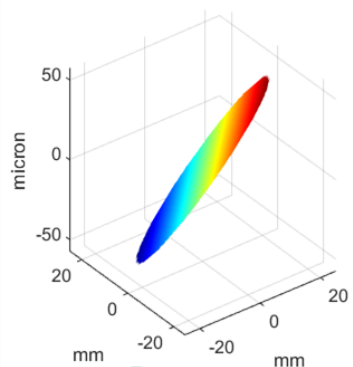


OPTIQUIVER APP NOTE: BEAM MEASUREMENT WITH TILT

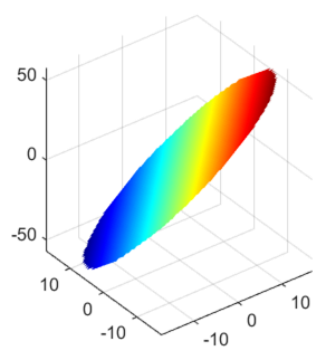
- **Test:**
 - Directly measure a 45 mm collimated beam for Wavefront and Tilt, such as a lens assembly or parabolic mirror system
- **Result:**
 - **Easy setup, live feedback for lens/mirror alignment, no compression optics required**
 - Wavefront PV = 114.69 μm
 - Wavefront PV (tilt removed) = 0.130 μm
 - X Tilt = -0.4570 degrees
 - Y Tilt = -0.1867 degrees



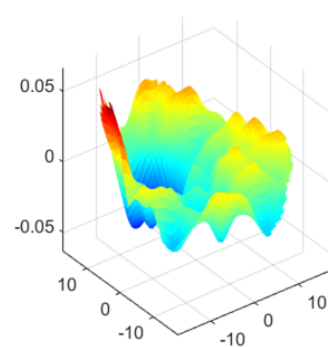
Measured Wavefront
 PV = 114.693micron
 RMS = 25.206 micron



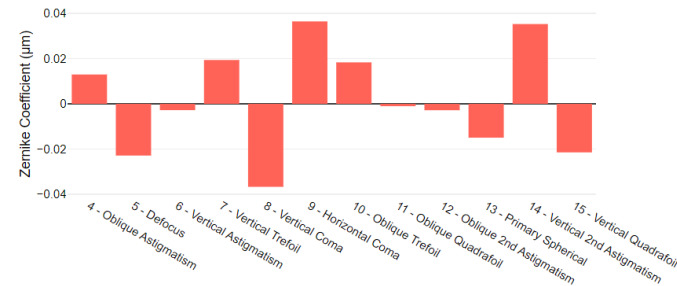
Zernike Surface
 PV = 114.705 micron
 RMS = 25.206 micron



Measured Wavefront & Tilt Removed
 PV = 0.13 micron
 RMS = 0.017 micron

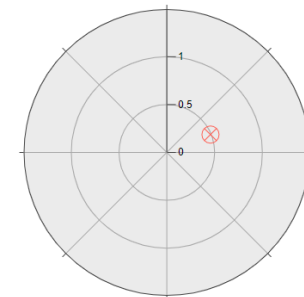


Zernike Decomposition



Beam Tilt

Angular Measurement



Point Components

Phi	22.2227 °
Theta	0.4937 °
Tilt X	-0.4570 °
Tilt Y	-0.1867 °

