Fabrication

• Secondary mirror has been diamond turned by II-VI Inc.
  – Copper Substrate (5:1 aspect ratio)
  – Gold coating
Metrology for a $\varphi$-polynomial

Proposed acceptance testing/characterization configuration for the secondary mirror

Deformable Mirror

Offner Null Lens

Tilted Secondary

Z9

Z7/8

Z5/6

Output of Interferometer
Surface Form Error

Waves @ .633µm

P-V = 1.673λ
RMS = 0.328λ

Waves @ 10µm

P-V = 0.106λ
RMS = 0.021λ