



F I R E

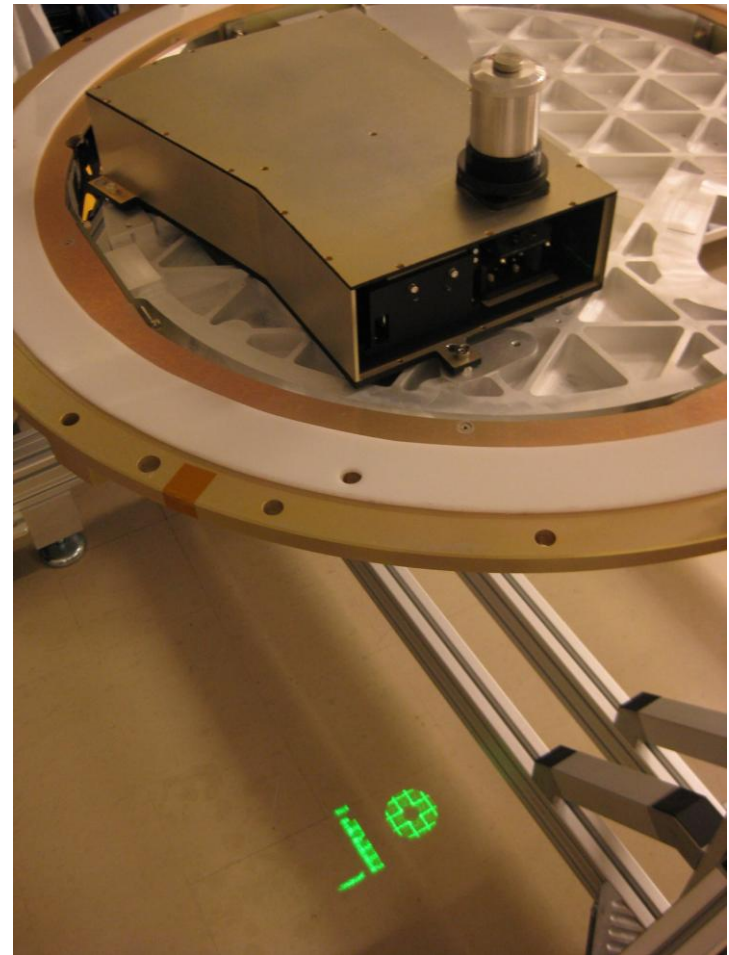
Scientific Commissioning Plan

Scope

- Scientific commissioning concerns instrument configuration and characterization that may only be achieved on the night sky

Cold Stop Alignment

- Star test (twilight)
 - Defocus secondary
 - Verify symmetry of donut in slit-viewer
 - Tilt optical bench to optimize
- Final verification by minimizing thermal background in the spectrograph

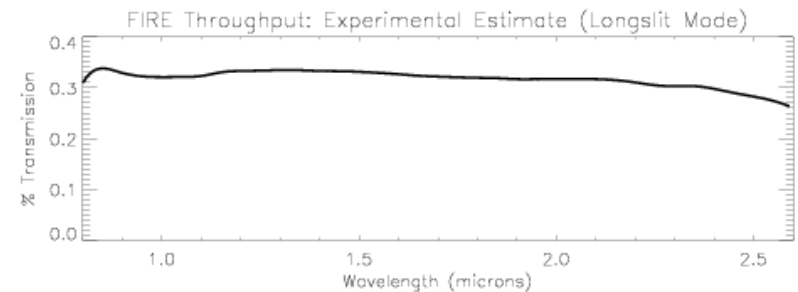
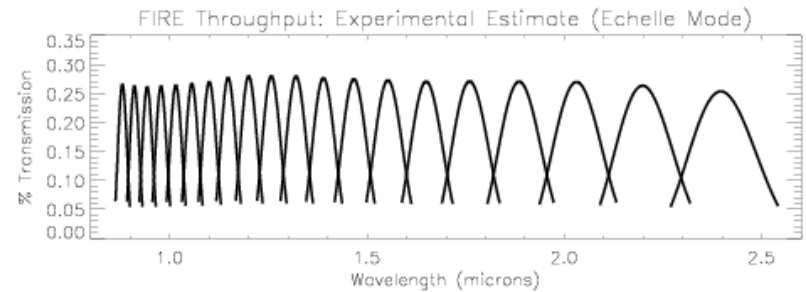


Pointing center, focus

- We provide measurement of image quality at the focal plane
- Standard procedure at Magellan for determining Shack-Hartmann probe focus offsets

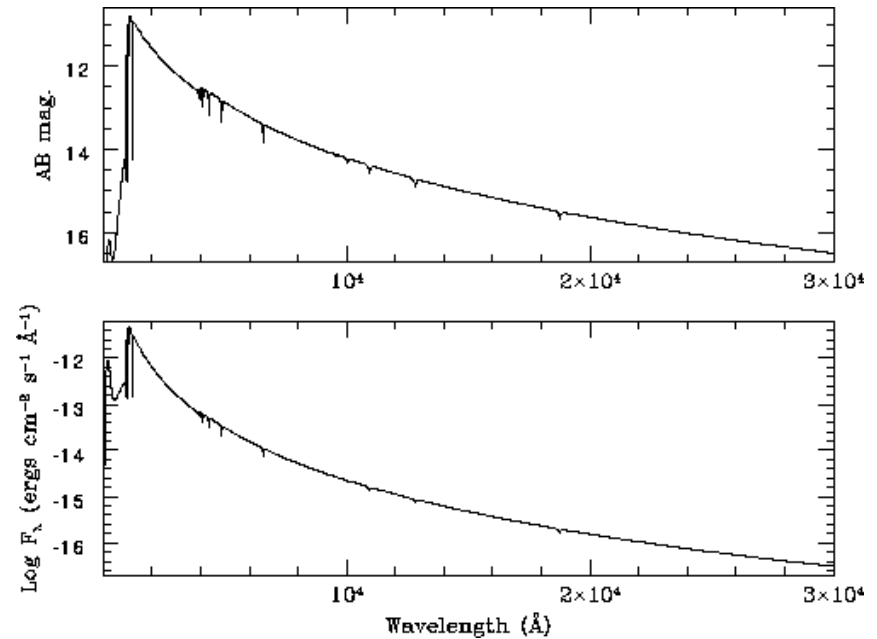
Throughput, wavelengths

- Flux standards
 - IR selection not ideal
 - G stars + Solar template
 - A few spectrophotometric standards
- RV standards



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Flexure

- Spec: <0.1 pixel over 30 degrees rotation
- Observe sky lines at multiple position angles, telescope elevations

Acquisition Camera Interface

- Establish image parity on the sky
- Establish pointing and rotation center in camera pixel coordinates
- Establish TCS link