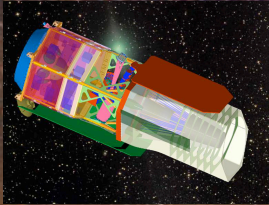


WFIRST: Additional Planet Finding Capabilities

Angelle Tanner (GSU/MSU), Dave Bennett (ND), WFIRST SDT Team



- Transits
- Astrometry
- Photometry

1 year of general investigation time will be made available to the entire community as well as archival data (?)

Duration: 500 days (μ L survey)

Precision: 1% photometry

Cadence: Every 15 minutes

Sensitivity: $J < 19$ at 5 sigma

Resolution: 0.5"

Precision: 2.5 mas single measurement

Coverage: $> 2500 \text{ deg}^2$ high galactic latitude

$> 1500 \text{ deg}^2$ galactic plane (HL survey)

Bands: three: F087, F111, F141, or F178

Sensitivity: mag AB ~ 25