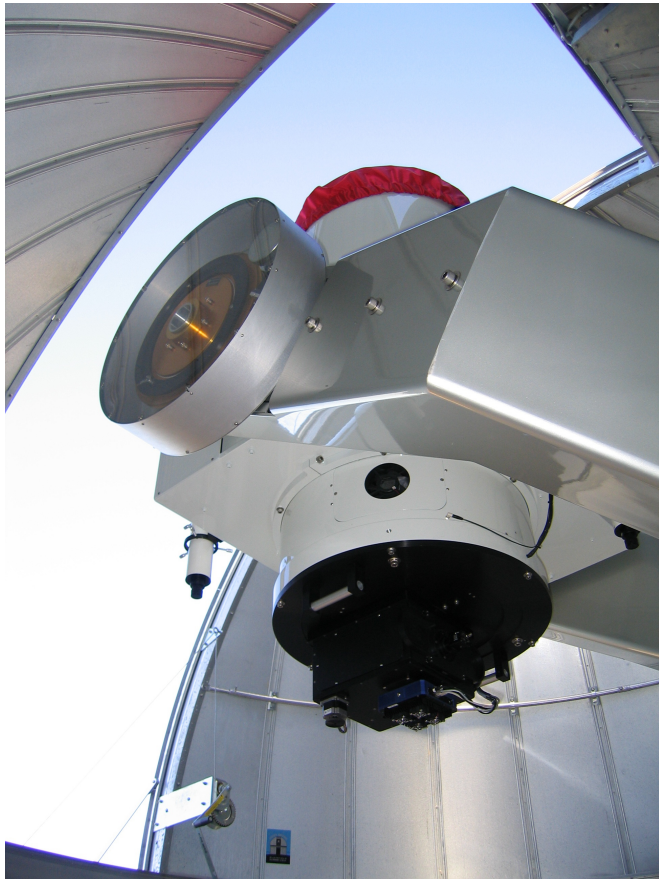
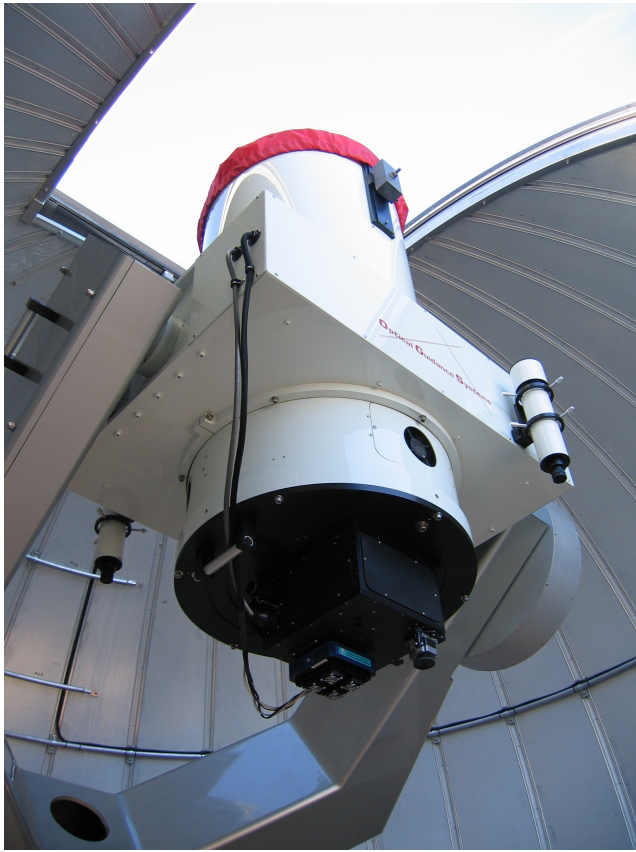




Optical Guidance Systems

Research Telescopes

2450 Huntingdon Pike, Huntingdon Valley, PA 19006

www.OpticalGuidanceSystems.com | 215.947.5571

CC32-1900F

Optical System

Clear Diameter

Specular Precision

Mirror Substrate

Focal Ratio

Image Scale

Tube Diameter

Tube Length

Material

Focuser Tube I.D.

Focus Position

Secondary Diameter

Sec. Focus Range ✎

Focus Stabilization

Classical-Cassegrain

31" (.81 meter blank)

$\leq 1/25$ wave front RMS

Zero expansion ceramic

f/8

29 arc sec/mm

38"

80" (active cooling, 12 V DC fans)

Al and Carbon fiber

4.2"

9.75"

12"

12" (electric)

Invar 36 or Carbon Fiber

Mounting

Aux. Instrument Cap.

Tracking Precision

Pointing Precision

R.A. Drive

DEC Drive

Shafts

Motors

Axis Intersection

Fork Swing Clearance

Weight (system)

Pier

Fasteners

OGS-1900 Fork

100 lbs at focus

<1 arc sec total maximum periodic & random (after modeling)

<20 arc sec RMS (after modeling)

24" 584 tooth worm gear

18" 570 tooth worm gear

8" Ø R.A. 190mm at bearing ends

Servo or Direct Drive

78" from base of pier (at 40°)

24"

2250 lbs.

30" high (custom heights available)

18-8 stainless steel