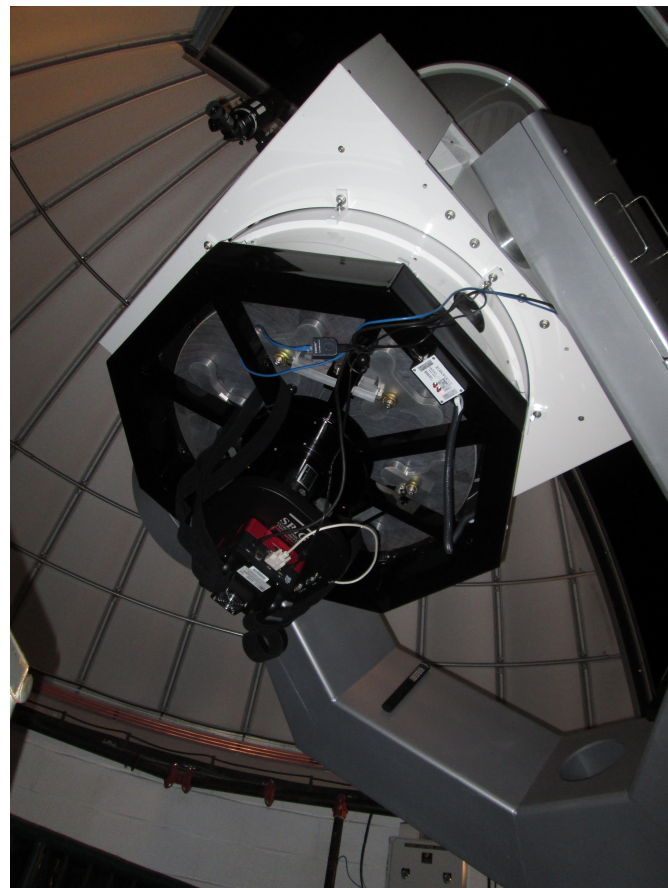




~~Optical Guidance Systems~~

~~Research Telescopes~~

2450 Huntingdon Pike, Huntingdon Valley, PA 19006

www.OpticalGuidanceSystems.com | 215.947.5571

RC32-1900F

Optical System

Clear Diameter	31" (.81 meter blank)
Specular Precision	$\leq 1/25$ wave front RMS
Mirror Substrate	Zero expansion ceramic
Focal Ratio	f/8
Image Scale	29 arc sec/mm
Tube Diameter	38"
Tube Length	80" (active cooling, 12 V DC fans)
Material	Al and Carbon fiber
Focuser Tube I.D.	4.2"
Focus Position	9.75"
Secondary Diameter	12"
Sec. Focus Range	12" (electric)
Focus Stabilization	Invar 36 or Carbon Fiber

Ritchey-Chretien

Mounting

Aux. Instrument Cap.	100 lbs at focus
Tracking Precision	<1 arc sec total maximum periodic & random (after modeling)
Pointing Precision	<20 arc sec RMS (after modeling)
R.A. Drive	24" 584 tooth worm gear
DEC Drive	18" 570 tooth worm gear
Shafts	8" Ø R.A. 190mm at bearing ends
Motors	Five-phase nano-stepping or servo
Axis Intersection	78" from base of pier (at 40°)
Fork Swing Clearance	24"
Weight (system)	2250 lbs.
Pier	30" high (custom heights available)
Fasteners	18-8 stainless steel

OGS-1900 Fork