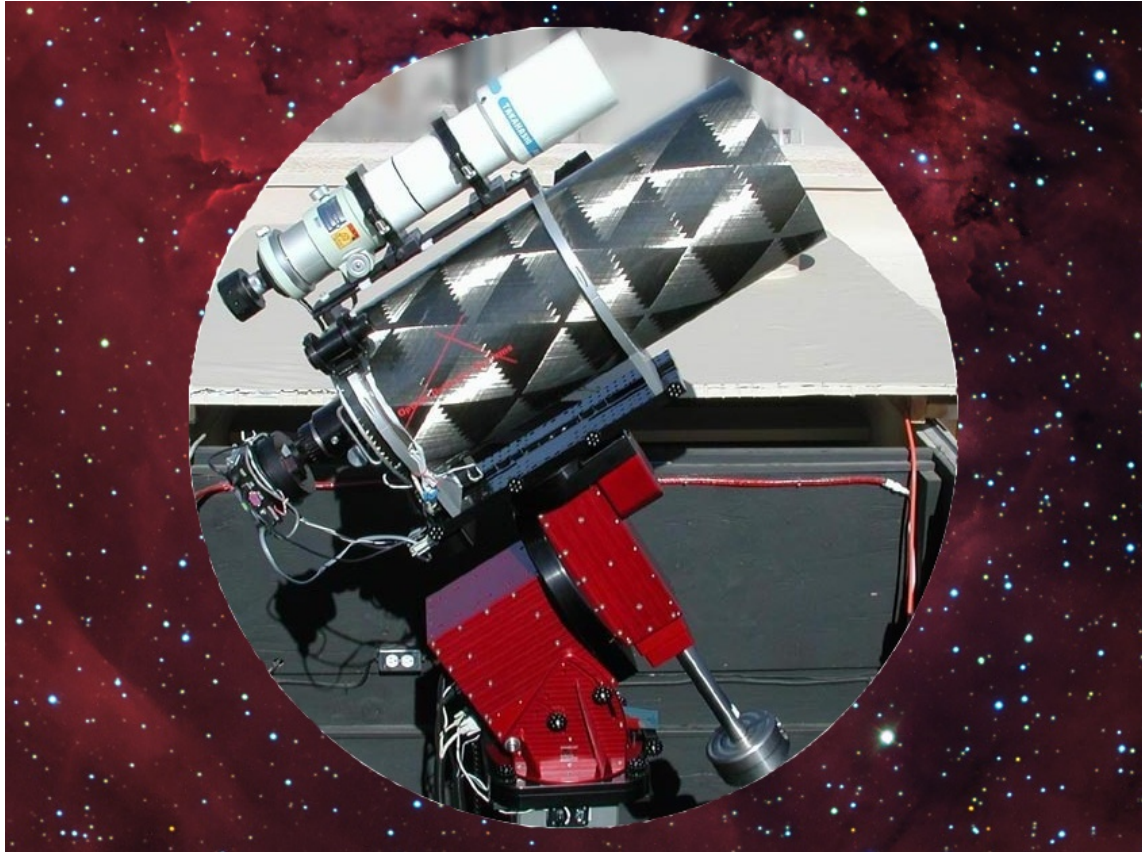


# ~~Optical Guidance Systems~~

## ~~Research Telescopes~~

2450 Huntingdon Pike, Huntingdon Valley, PA 19006  
www.OpticalGuidanceSystems.com | 215.947.5571

### RC10 XZe – MX



#### Optical System

Primary Diameter	10.0"
Specular Precision	$\leq 1/25$ Wave Front RMS
Mirror Substrate	Zero Expansion Ceramic
Focal Ratio	f/9
Image Scale	90 Arc Sec/mm
Tube Diameter	12.5"
Tube Length	31" (Active Cooling Magnetic Levitation Fans)
Material	Carbon Fiber
Focuser Tube I.D.	2.5"
Back Focus	9.5"
Secondary Diameter	4"
Sec. Focus Range $\nearrow$	5" (Electronic)
Focus Stabilization	Over 100° F Range

#### Ritchey-Chretien

#### Mounting

Instrument Cap.	100 lbs.
Tracking Precision	$\leq 1$ Arc Sec After Error Correction
Pointing Precision	$< 10$ -30 Arc Sec RMS (After Modeling)
R.A. Drive	Al. 11.4", 576 Tooth Research Grade Gear
Dec. Drive	Al. 7.4 5", 375 Tooth Research Grade Gear
R.A. Bearings	8.6" O.D., 5.9" I.D.
Dec. Bearings	6" O.D., 4.3" I.D.
Worm Blocks	Spring Loaded, Near Zero Backlash, Fully Disengage able
Pier	48" High

#### Paramount MX