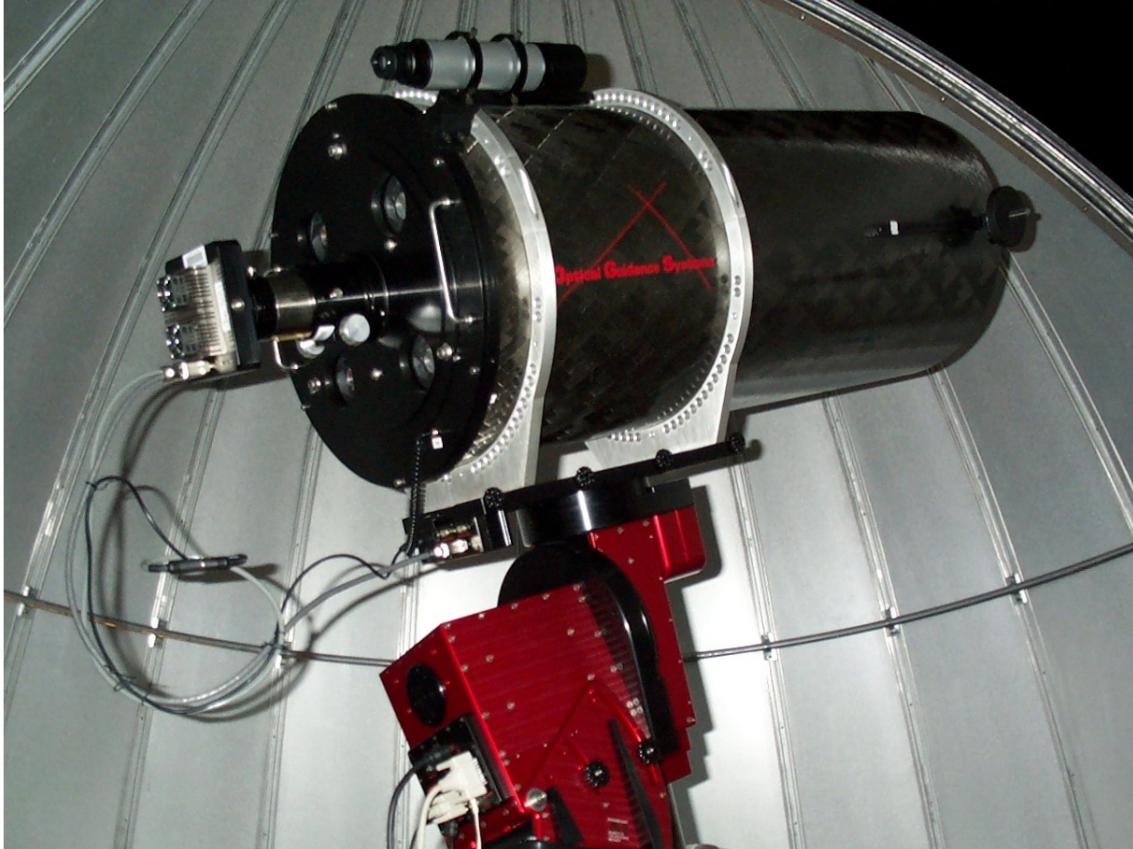


# ~~Optical Guidance Systems~~

## ~~Research Telescopes~~

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

### RC16 XZe – ME II



#### Optical System

|                             |                            |
|-----------------------------|----------------------------|
| Primary Diameter            | 16.0"                      |
| Specular Precision          | $\leq 1/25$ Wave Front RMS |
| Mirror Substrate            | Zero Expansion Ceramic     |
| Focal Ratio                 | f/8.4                      |
| Image Scale                 | 60.1 Arc Sec/mm            |
| Tube Diameter               | 19"                        |
| Tube Length                 | 48"                        |
| Active Cooling              | Magnetic Levitation Fans   |
| Material                    | Wound Carbon Fiber         |
| Focuser Tube I.D.           | 2.5"                       |
| Back Focus                  | 10"                        |
| Secondary Diameter          | 6"                         |
| Sec. Focus Range $\nearrow$ | 5" (Electronic)            |
| Focus Stabilization         | Over 100° F Range          |

#### Ritchey-Chretien

#### Mounting

|                    |  |
|--------------------|--|
| Instrument Cap.    | 240 lbs.   |
| Tracking Precision | $\leq 1$ Arc Sec After Error Correction              |
| Pointing Precision | $< 30$ Arc Sec RMS (After Modeling)                  |
| R.A. Drive         | Al. 11.4", 576 Tooth Research Grade Gear             |
| Dec. Drive         | Al. 9.5", 375 Tooth Research Grade Gear              |
| R.A. Bearings      | 8" O.D.  |
| Dec. Bearings      | 8" O.D.  |
| Worm Blocks        | Spring Loaded, Near Zero Backlash, (May be released) |
| Pier               | 48" High   |
| Weights            | 120 lb.  |

#### Paramount ME II