



WILLARD L. ECCLES OBSERVATORY

Dept. of Physics & Astronomy

115 South 1400 East

Salt Lake City Utah 84112

(801) 581-6901

<http://www.physics.utah.edu/weo>

Technical Specifications

Location:

Latitude	Longitude	Elevation
38.52N	113.28W	9551 ft

Telescope Specifications:

Manufacturer: DFM Engineering Longmont, Colorado

Optical Design: 32" diameter f/8 (effective focal ratio) Ritchey-Chretien

Field-of-View: Fully shielded unvignetted FOV is 43'

Load Capability: >200 lbs of instrument bearing capability, 100lbs of auxiliary telescopes

Instrument Clearance: 0.81m between primary cell and fork

Drive System: Friction drive with zero backlash, fiducial position repeatability better than 5"

Slew Time: Maximum slew time < 60 seconds

Time Keeping: Garmin GPS receiver better than 0.05 second resolution

Dome:

Manufacturer: ASH manufacturing

Model: MEBH-18'6" with radio control

Diameter: 18.5 feet

Shutter Width: 7 feet

Height Above Ground: 10 feet

Camera/Filter(s):

Model: SBIG STL-6303E

Filters: ASTRODON SLOAN g and r

Site Characteristics:

Seeing Conditions: Median approximately 1.0"

For other questions, please contact Prof. Wayne Springer at springer@physics.utah.edu