

Kuiper 61 Inch Telescope

Elevation: 2510 m = 8235 ft.
Latitude: +32° 24' 59.3" N
Longitude: 110° 44' 04.3" W
these coordinates are accurate to about 1".
Time Zone: +7 hours
Primary Mirror Diameter: 1.54 m = 61 inches
Primary Focal Ratio: f/4
f/13.5 Cassegrain focus
Plate Scale: 100 microns/arcsec = 10.0 arcsec/mm (nominal)
Useful Field of View: >435 arcsec diameter
Secondary Diameter: 40.96 cm
f/45 Cassegrain focus
Plate Scale: 351 microns/arcsec = 2.85 arcsec/mm (nominal)
Useful Field of View: >325 arcsec diameter
Secondary Diameter: 14.5 cm
Typical Seeing: 1-2"

Liquid Nitrogen Safe Handling Practices

This is a reminder that both safety goggles AND a face shield, along with cryo gloves, must be worn when filling dewars or handling liquid nitrogen in any capacity. These are provided outside the upstairs door to the dome. Long sleeves and closed toed shoes must also be worn when handling liquid nitrogen. We have provided lab coats which are on hooks next to the face shield and goggles, but proper footwear is the responsibility of the observers. Cryo gloves are kept on the table on the platform under the telescope as usual. Using PPE is easy, but please reach out to us if you have any questions.

Site

[What's New at the Kuiper 61" Telescope](#)

[Kuiper 61" Quicklook Telemetry](#)

[Operating Notes](#)

[Watcher](#)

[Lightning Shutdown](#)

[lightning_shutdown_procedure_long_form_with_photos_.docx](#)

[ups_shutdown_startup_instructions.docx](#)

[Shutdown Checklist](#)

[Information on Scripts](#)

[Instrument and Observatory Information from Paul Smith](#)

Phone List

[Phone list](#)

Certification

[List of Certifiers](#)

[Kuiper 61" Telescope Checklist for Basic Certification](#)

[Certification Form](#)

[Required Reading](#)

Weather

[Mt Lemmon CSS All-Sky Camera](#)

[Mt Bigelow CSS All-Sky Camera](#)

[Dark Sky Chart for Mt Bigelow](#)

[Mount Bigelow NWS Weather Forecast](#)

[GOES Satellite Animation](#)

[Atmospheric Sciences Weather Imagery](#)

[Atmospheric Sciences Arizona IR](#)

[Atmospheric Sciences Tucson Area Radar Animation](#)

[LightningMaps.org](#)

Instruments

[Mont4K](#)

[Mont4K Filters](#)

[Guider Information](#)

[Chimera](#)

Troubleshooting

[AzCam Load Controller File Error](#)
[Resetting Dome Controller for Dome Stalls Alarm](#)

From:
<https://lavinia.as.arizona.edu/~tscopewiki/> - **MOON**

Permanent link:
https://lavinia.as.arizona.edu/~tscopewiki/doku.php?id=public:catalinas:bigelow:kuiper_61:kuiper_61_telescope&rev=1739984886

Last update: **2025/02/19 10:08**

