

# Bok 90" Telescope

Elevation: 2071 m = 6795 ft.  
Latitude: +31° 57' 46.5"  
Longitude: 111° 36' 01.6"W  
Time Zone: +7 hours  
Primary Mirror Clear Aperture: 2.29 m = 90 inches diameter  
Primary Focal Ratio: f/2.66  
Typical Seeing: 1.5"  
f/9 Ritchey-Chretien focus  
Plate Scale: 104 microns/arcsec = 9.66 arcsec/mm (nominal)  
Usable Field of View: 45 arcminute diameter (curved focal plane)  
Central obscuration = 14%

## 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 near the dewars downstairs for the B&C and WIFIS, and upstairs on the tool board for 90Prime. Long sleeves and closed toed shoes must also be worn when handling liquid nitrogen. We have provided lab coats which are hung on the pegs by the whiteboard where fill times are written if you aren't wearing long sleeves, but proper footwear is the responsibility of the observers. [Using PPE is easy](#), but please reach out to us if you have any questions!**

## Site

[What's New at the 90"](#)

[Bok 90" Lightning Shutdown - Short Version](#)

[Bok 90" Lightning Shutdown - Long Version](#)

## Emergency Procedures & Phone List

[Fire Safety Procedure](#)

[Emergency Phone List](#)

[Snow Clearing Procedure](#)

## Certification

[List of Certifiers](#)

[Bok 90" Telescope Checklist for Basic Certification](#)

[Certification Form](#)  
[Required Reading](#)

## Weather

[Kitt Peak NOAA Weather](#)  
[Kitt Peak Clear Sky Chart](#)  
[Atmospheric Sciences Arizona IR](#)  
[Atmospheric Sciences Arizona Radar](#)  
[All Sky Camera](#)  
[Bok Weather](#)

## Instruments

### 90Prime

[Recent Changes and Known Issues](#)  
[How to Take Flats](#)  
[Detector Information](#)  
[Optics](#)  
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[Operation](#)  
[90Prime vs 90PrimeOne](#)  
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[90Prime Documents](#)

### New 90Prime

[Dewar Information](#)

### WIFIS

[Presentation](#)

### B&C

[Spectrograph Information](#)

Detector Test Report

# Troubleshooting

[Trouble Report](#)

[TCS Crash Recovery Procedure](#)

[Mirror Covers Won't Open or Close](#)

[Proper Way to Start or Restart the Filter Wheel GUI](#)

[Checking Power and Fibers When Using the B&C](#)

[Check the Galil Handles](#)

[Desktop Icons Gone](#)

[Limits](#)

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