

CFAS Telescopes

The observing committee maintains several excellent telescopes for the use of CFAS members. Members must reserve telescopes in advance. Members must sign loaner agreements which spell out the loaner's responsibilities. Members are responsible for the proper use and storage of these telescopes while they are in their care. Members can reserve telescopes through the observing committee. Contact the Observing Chair at email: observing@cfas.org.

CFAS also maintains additional high end telescopes that are primarily used for CFAS outreach events. These telescopes are also usually brought to CFAS observing sessions and are available there for viewing by CFAS members.

LOANER TELESCOPES

1. 10 Inch Newtonian

Dobsonian ALT/AZ Mount



10" f/5.7 mirror

Special Designer Aluminum Optical tube

2" JMI focuser

Telrad finder

Eyepieces:

- 26mm Super Meade Plossl (1.25")
- 16mm Meade Plossl (1.25")
- 9.7mm Meade Plossl (1.25")

A beautiful great deep sky viewing telescope for either beginner or more advanced observers. This telescope's optical tube was outfitted with high quality items donated from members. Its excellent mirror was hand ground by member Walt Hamler. The mount was manufactured by CFAS members. Dobsonians are easily transportable, and are a great way to learn the night sky. This excellent telescope can be checked out at regular CFAS meetings for 30 days.

2. 10 Inch Newtonian



**Dobsonian ALT/AZ
Mount**

**10" f/4.5 mirror
(Coulter)**

**2" Rack and Pinion
focuser**

Telrad finder

Mylar White Sun filter

- Eyepieces:**
- 32mm Plossl (1.25")
 - 26mm super Plossl (1.25")
 - 12.5mm super Plossl (1.25")

A fast deep sky viewing telescope for beginner and more advanced observers. The telescope also comes with a Sun filter that can provide "white" views of the sun and sunspot activity. The Coulter optical tube for this telescope was donated by the Seminole State College Planetarium. CFAS members constructed a new mount and rebuilt the optical tube with a new secondary spider and holder, primary mirror holder, and new focuser . This bright image Dobsonian telescope is easily transportable, and is a great instrument to learn the night sky. This telescope can be checked out at regular CFAS meetings for 30 days.

3. 10 Inch Newtonian



**Dobsonian Rotating tube -ALT/AZ
Mount**

10" f/5 mirror

2" Rack and Pinion Focuser

Telrad finder

Eyepieces:

- 40mm wide field Plossl (2")

- 32mm Plossl (2")

- 26mm super Plossl (1.25")

- 12.4mm super Plossl (1.25")

Mylar "White" sun filter

This is an excellent telescope for intermediate observers. The telescope provides good views of all Messier objects as well as great views of the stars, moon and planets. The telescopes also comes with a Sun filter that can provide "white" views of the sun and sunspot activity. This telescope was rebuilt by CFAS members in 2001, and its unique mount allows the optical tube to rotate for easier viewing. Dobsonians are a great way to learn the night sky. This telescope can be checked out at regular CFAS meetings for 30 days.

4. 8 Inch Celestron Schmitt-Cassegrain



AS-GT German Equatorial

Go-To Mount

8" f/10 mirror

1.25" eyepiece holder

Laser dot finder

Eyepieces: (1.25")

This is an excellent telescope for intermediate observers. The telescope provides good views of all Messier objects as well as great views of the stars, moon and planets. The telescope was donated by a member. Subsequently its mount failed ,and a new AS-GT mount and drive system was purchased by CFAS in 2009. This telescope can be checked out at regular CFAS meetings for

30 days. Because of its advanced features it requires a special operational training before members can check it out.

OUTREACH TELESCOPES

1. TEC 140mm f/7 APO Refractor

140mm f/7 refractor (Triplet APO)

2" focuser

2" Meade Diagonal

Losmandy G11 German Equatorial Mount

Eyepieces:

32 mm Meade Ultra Wide

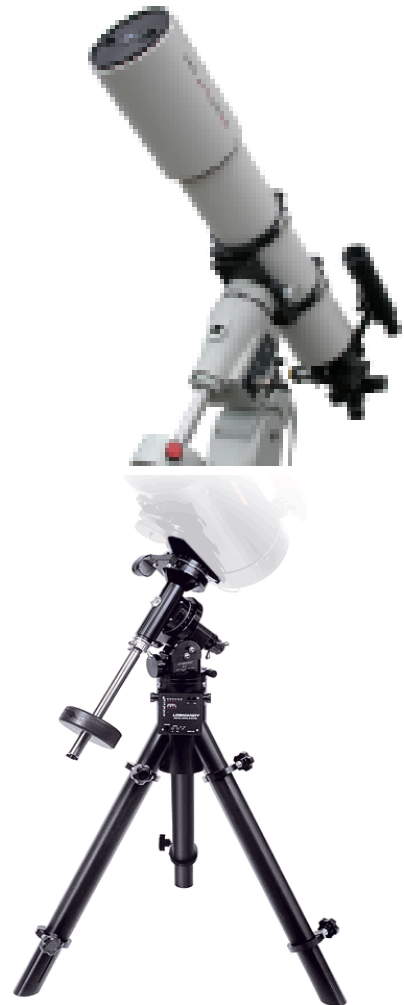
22 mm Televue Panoptic

4.8 mm Televue Nagler Type I

2x Televue Power mate

Celestron f/6.3 Reducer with 2"adapter & eyepiece holder

A superb all-around telescope for both spectacular visual and astrophotography astronomy. Utilized at CFAS outreach events. Purchased by CFAS through member donations as an additional telescope for the Robinson Observatory Tinsley telescope at UCF, it's now available for member viewing at CFAS star parties



or for imaging / viewing projects. The G-11 mount was purchased by CFAS. The telescope is maintained by the observing committee. Contact the observing Chairman for more information.

2. Meade 12" f/11 LX 200 GPS Schmidt Cassegrain



A modern Go-To telescope system.

Alt- Az Fork Mount

**4 speed Zero shift Image-Shift
microfocuser**

High Precision Pointing

Auto-Align with Sony GPS

**Auto-Star Controller with 145,000 object
data base.**

A large versatile telescope utilized at CFAS outreach events. The telescope was purchased utilizing a special Motorola Grant to CFAS. The telescope is also available for viewing objects at CFAS monthly observing events. The Outreach Committee Chairman maintains this telescope.



3. Coronado PST H-Alpha Telescope

- Aperture:** 40mm
- **Focal Length:** 400mm
 - **F/Ratio:** F/10
 - **Bandwidth:** <math><1.0\text{\AA}</math>
 - **Thermal Stability:** 0.005 $\text{\AA}/^{\circ}\text{C}$
 - **Safety Blocking:** >10⁻⁵ from EUV/IR

This portable sun telescope can be used on its own small tripod or piggybacked onto a larger telescope. The PST will show you the sun's prominences, active regions, filaments, as well as other surface details. This telescope was purchased by CFAS for outreach programs. It can be checked out by members when not in use for outreach programs. Contact the observing chairman for information.

4. Meade 12" LX 200 f/11 Schmidt Cassegrain Optical tube

This telescope was donated to CFAS by a member. Its drive system subsequently failed, and it was modified for use on German equatorial mounts utilizing a Los Mandy base. It is presently used in outreach programs utilizing a member's personal equatorial mount. The telescope's use is controlled by the observing committee.