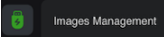**Open Up**
1. **Open the Observatory** with the key found in the lock box. Put the key back.
2. **Turn on the light** and sign-in in the **logbook.**
3. Unhitch the **roof hold-down latches**.
4. Slide the **roof open**.
5. Remove the **bungie cord** and **plastic cover**.
6. Remove the telescope **dust cover**.
7. Turn on the **dew heater** (if necessary).
8. Insert a **dual band filter** (emission nebula) or a **UV/IR cut filter** (galaxies and star clusters), if necessary.

Power Up and Get Ready (Important: make sure the roof is now open!)
9. **Power up** the mount (wall and mount switch) and the ASiair device (switch).
10. Plug your **USB drive** into the ASiair device.
11. Use the handheld controller to **Align the Mount**.
    a. Press BACK (if necessary) until the controller shows **CGE Ready.**
    b. Press ENTER to go to **CGE Ready / Press Enter to Begin Alignment.**
    c. Press ENTER to go to **Set Switch Position.**
    d. Press ENTER and the Telescope will move. Wait until it stops.
    e. Press Enter. Enter the **time (24-hour format), EST or EDT**, Easter Time Zone, **Current Date**. Press ENTER each time to go to the next option.
    f. Press the [#9 SCROLL Down] key to scroll down to **Select Alignment/Last Alignment**. Press ENTER. (You do not have to align the mount to a target star.)
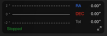
Connect and Pre-process
1. Open the ASiair app and proceed through to the Main Screen.
2. If necessary, connect to the ASiair device using your phone or tablet's Wi-Fi settings. Use the password "12345678".
3. Open the Storage settings . Click and **choose your USB Drive** rather than eMMC.

4. **Auto-Focus the telescope**. Click on the AF button over on the left.
5. Take your **flat and bias calibration** frames before taking images.
6. Tell the ASiair to use the flat and bias frames. Need more here.
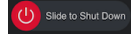
Take Images
7. CHOOSE AN OBJECT
    a. Click on the "Big Dipper" icon to choose an object to image.
    b. Choose an object to image. If necessary, use your finger to adjust the view.
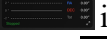   c. Wait for ASiair to plate solve and find your object.
    d. Return to the previous screen.
8. PREVIEW YOUR IMAGE
    a. Choose Preview from the drop down .
    b. Click [EXP] to choose an exposure time (say 3 sec) .
    c. Click on the Preview button .
    d. Return to the previous screen.
9. SET A GUIDE STAR

a. Click on the graph in the top left to set a guide star.
b. Click refresh and then the "target" button . ASiair will find a guide star.
c. Wait for the graph at the bottom to track and show low numbers.
d. If the guide scope is not tracking (high numbers), repeat from step b.
e. Return to the previous screen.

10. START TAKING IMAGES
   a. Choose Live from the drop down .
   b. Click on the Live button .
   c. Click on the menu button to choose your settings (Light, EXP, Save Every Frame).
   d. Click on the big white button to start taking images.

11. STOP TAKING IMAGES
   a. Click on the big white button to stop taking images.
   b. Click on the SAVE button to save the final stacked image.
   c. Click on the BRUSH button to clear images and start over.

12. STOP GUIDING
   a. Click on the graph in the top left to stop the guiding.
   b. Click the red stop button .
   c. Return to the previous screen.

Shut Down
18. Take you dark calibration frames before shutting everything down.
19. From the app "Files" screen use to **eject your USB drive**.
20. From the app "Wi-Fi" screen use to **shut off the ASiair device**.
21. Use the handheld controller to **Home the Telescope.**
   a. Press BACK (if needed) until the controller shows **CGE Ready**.
   b. Press the [#7 Menu] Key.
   c. You will see **Menu / Utilities** -> Press Enter.
   d. Press the [#9 SCROLL Down] Key until you see **Utilities / Home Position.**
   e. Press Enter and you will see **Home Position / Goto**.
   f. Press Enter and the mount will go to the home (horizontal) position.
22. Turn off the **dew heater**.
23. Remove any filters.
24. **Power off the ASiair device** using the switch.
25. **Remove your USB drive** from the ASiair device.

Close Down
23. **Turn off the power** on **the mount**.
24. **Turn off the power** on **the wall**.
25. Place the **handheld controller** in its storage position.
26. Replace the main telescope **dust cover**.
27. Replace the **plastic bag** over the Telescope and secure it with the **bungee cord**.
28. Move the **roof to the closed position**.
29. Hook the **roof hold-down latches** on both sides.
30. Sign-out in the **logbook** and **turn off the light**.
31. **Close the door** to the observatory. Make sure it is **locked.**