

## OBSERVATIONAL QUESTION

1. With the telescope given, do the following tasks:
  - a. Balance the OTA with the counterweight.
  - b. Balance the front and back of the OTA.
  - c. Rotate the telescope manually in right ascension forward and backward.  
Make sure to unlock the axis before rotating and lock after rotating.
  - d. Rotate the telescope manually in declination forward and backward.  
Make sure to unlock the axis before rotating and lock after rotating.
  - e. Point the telescope towards the current location of the star Polaris and lock this direction of the telescope.