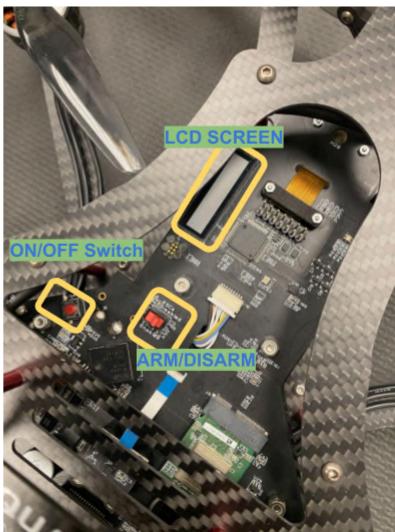
- TURN ON UAV:

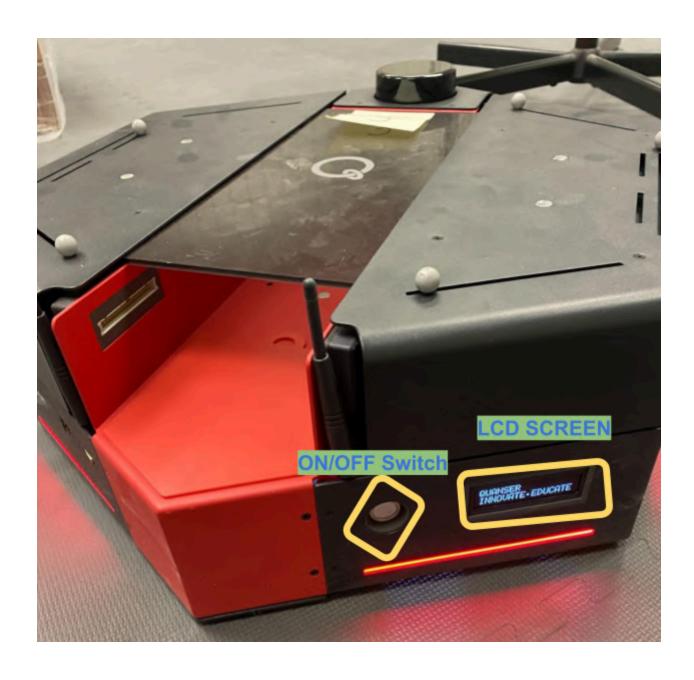
 Press ON button, and you after it turns on you can check the IP Address on the LCD Screen





- TURN ON QBOT PLATFORM:

 Press ON button, and you after it turns on you can check the IP Address on the LCD Screen

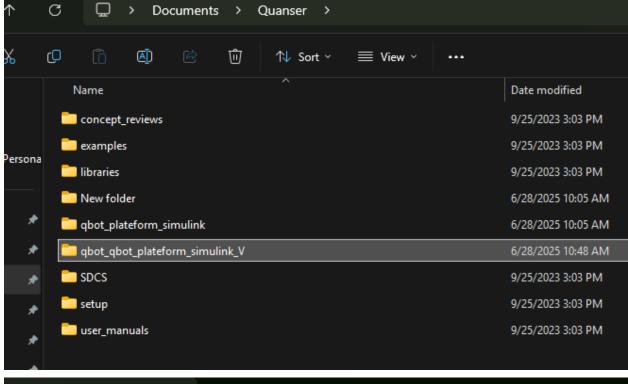


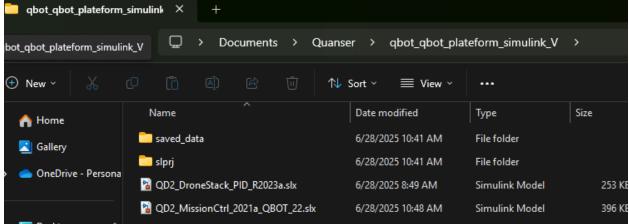
- TURN ON JOYSTICK UAV:

- Press the ON button for few seconds



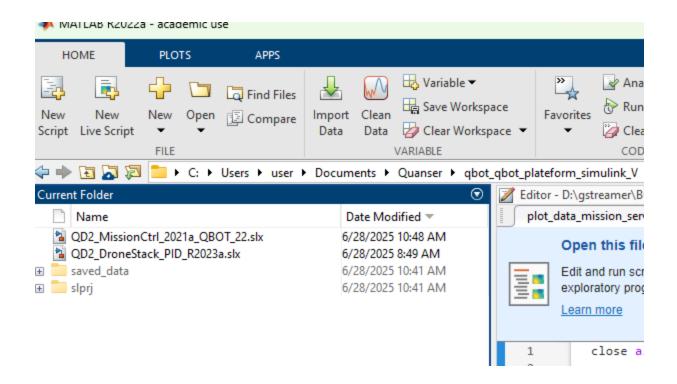
- RUN MATLAB INSTANCE TWO TIMES
- Navigate to the folder shown in the screenshot below:



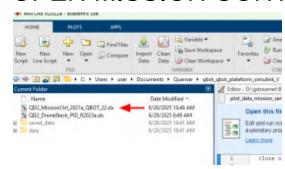


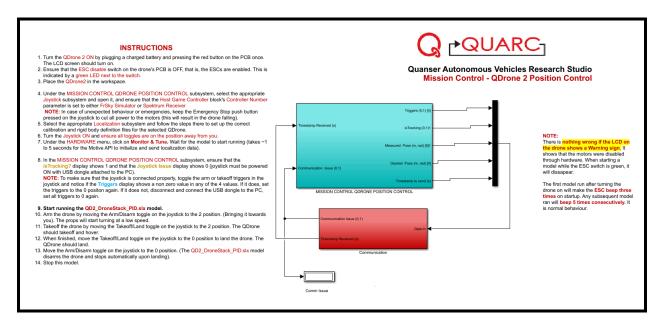
 On One Matlab Instance, Make sure you current folder is the same as the folder with the files to RUN

-

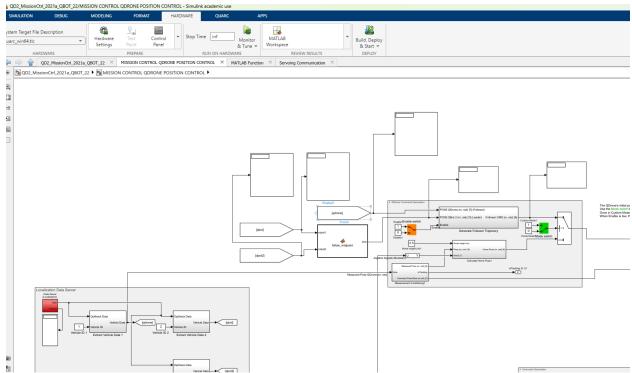


OPEN MISSION CONTROL:

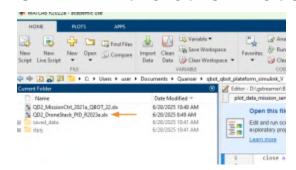




Enter Mission Control Block (BLUE) if not already:



OPEN in the other Matlab QDRONE 2



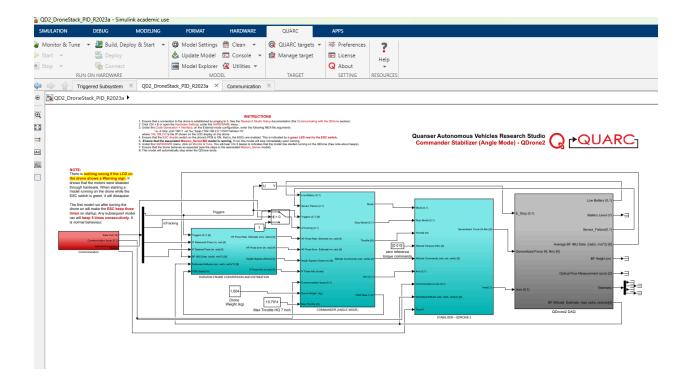
Open the QDrone 2 project in the second MATLAB session.

You should have a total of **four MATLAB-related windows** open:

- 2 Simulink models
- 2 MATLAB editor/console windows



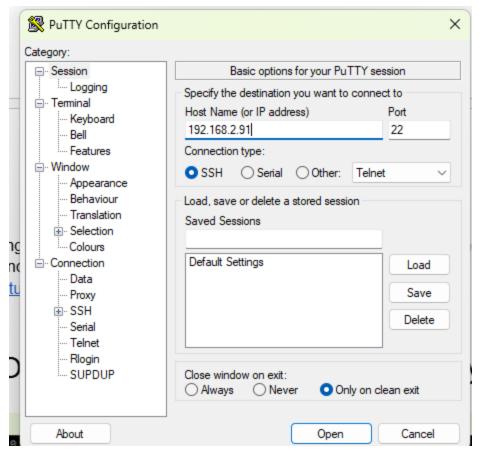
You should see the window below:



After Setting up the correct IP address of the UAV and the GCS, You can then RUN "Monitor and Tune" as shown in the Training Video. https://youtu.be/lxrts2ohqok

- REMOTE ACCESS TO QBOT using Putty

- Open PuTTY and type the Qbot IP Address as shown the screenshot



- After typing the Username and password navigate using the CMD to the folders as shown below and run the python file
- Password and username are: nvidia

```
PuTTY (inactive) — — — X

nvidia@qbp-60258:~$ cd Documents/
nvidia@qbp-60258:~/Documents$ cd Quanser/
nvidia@qbp-60258:~/Documents/Quanser$ python3 basic_IO_qbot_move_local.py

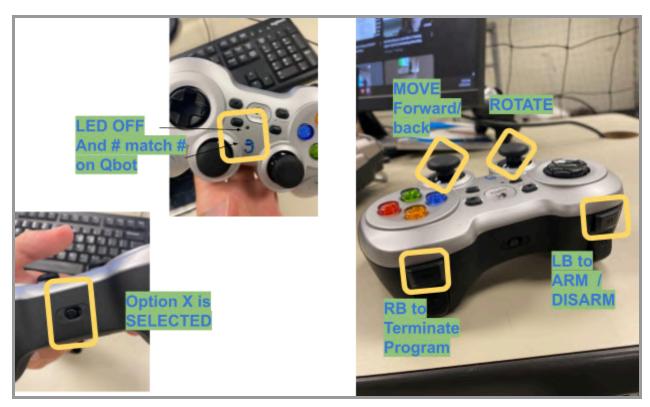
[DEBUG] Wheel Positions: [0. 0.]

[DEBUG] Arm Status: 0

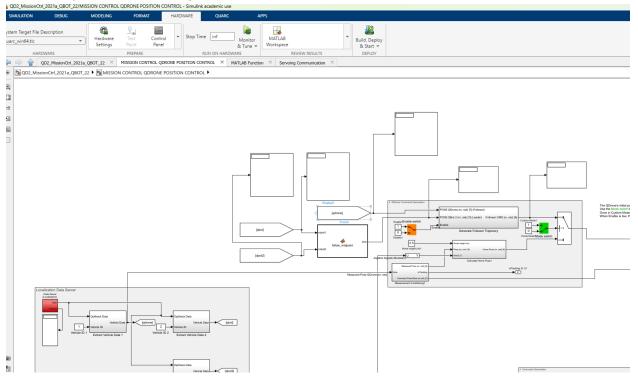
[DEBUG] Commands Sent: [0. 0.]

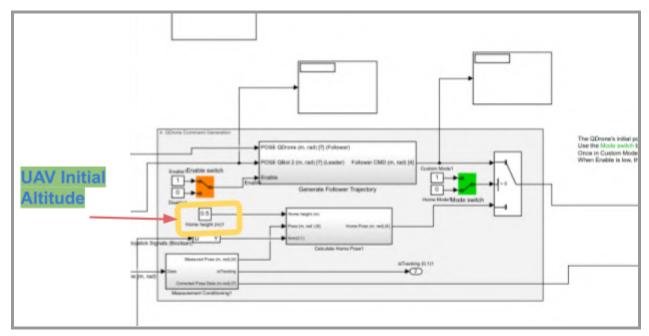
[DEBUG] Pos X: 0.00. Pos Y: 0.00
```

DO IT FOR BOTH QBOTS



Once Both Mission control and QDRONE Simulink Compile Successfully, use The Take OFF button to fly the uav to a Height Set in Mission Control as shown below





After UAV is Hovering at Initial X ,Y, Z, YAW (eg: 0, 0, 0.5 m, 0), you can switch to **Mode 1** to enable UAV to Track Qbot (Make sure Qbot is being Tracked and has correct x, y, z, yaw values in the display block)

