**How to Start the Tracking System**

Who is this for : This document shows how to start the tracking device so that the device will stream its position and other data to the initialstate account.

**\*The highlighted text is code that needs to be written in terminal**

1. Open your web-browser and head over to [https://www.dataplicity.com](https://www.dataplicity.com/) or you can download the dataplicity app on android or iOS

2. Click on the sign in tab and add these credentials : email: [shiptrackernichols@gmail.com](mailto:shiptrackernichols@gmail.com)

pass: nicholsboats1

3. Once into the account, you will see a device called NBBB Ship Tracker Base

4. Click on that tab and a terminal will open. Wait a few seconds for the app to connect to the computer remotely

5. Switch users on the computer by typing in su pi

6. Type in the password once prompted raspberry

7. Change your directories cd home/pi/rpi

8. Update the height of the unit on the boat sudo python save\_height.py

9. Running this program, it will ask you for a height value. Enter a number in feet and press enter to save the height.

10. Run the data process program sudo python base.py

11. Open a new terminal. Open a new terminal via a tab on the browser or the + sign in app. Follow steps 5-7 again

12. Run the stream program sudo python stream.py

Notes :

27/06/2017 : currently the pyocess and stream program need to be run separately. Auto run is a bit flackey at the moment. Use a height of 0 for now, because the IMU stuff is broken