

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> 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
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 `raspberrypi`
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 pyprocess 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