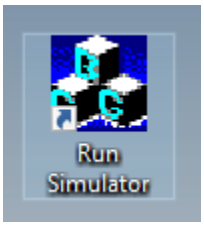
"Hackboat" NMEA-2000 Demonstrator

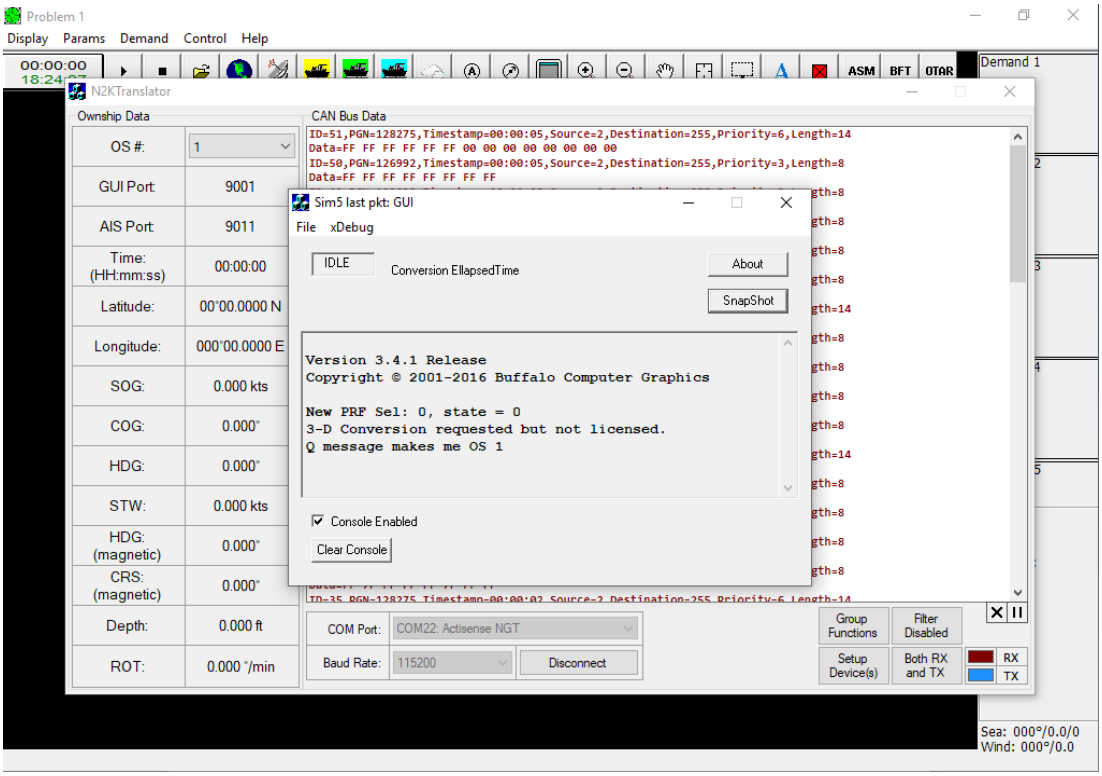
Running a Scenario:

1. If not already signed in, dismiss the lock screen and click "Sign in"

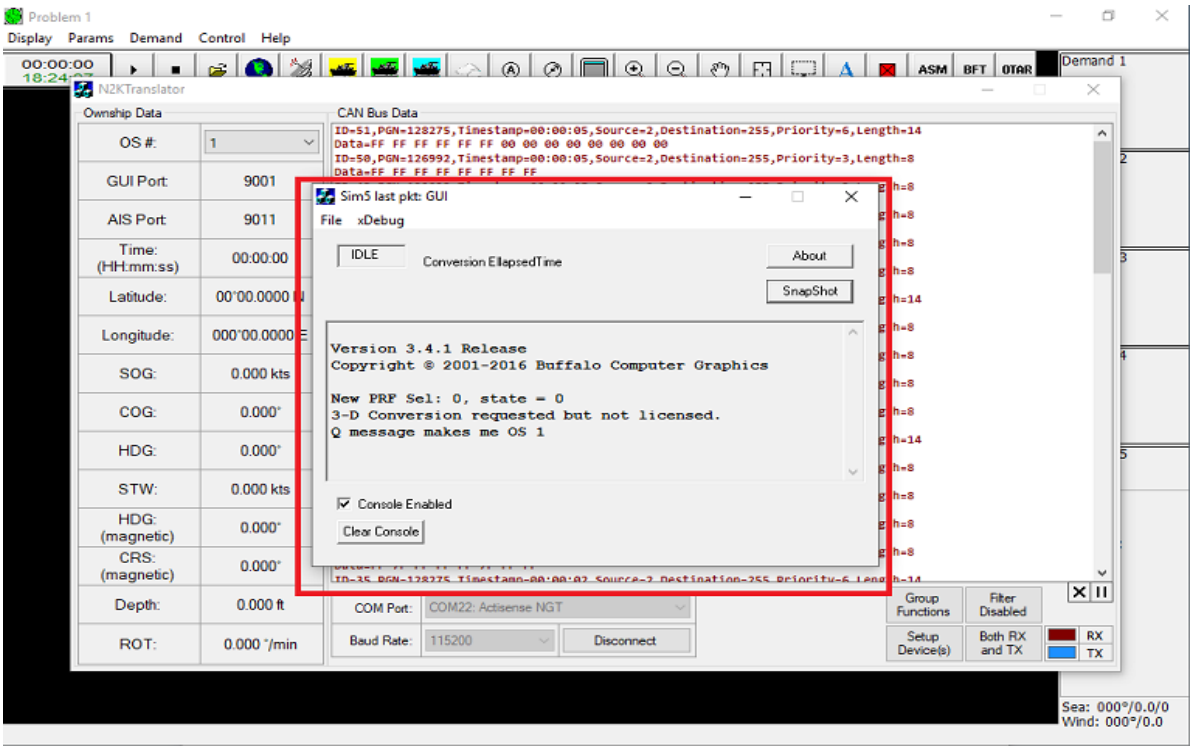
2. Click the "Run Simulator" decktop icon:



3. Wait for the startup process to finish. When all the necessary programs are running, you should be presented with a screen like this:

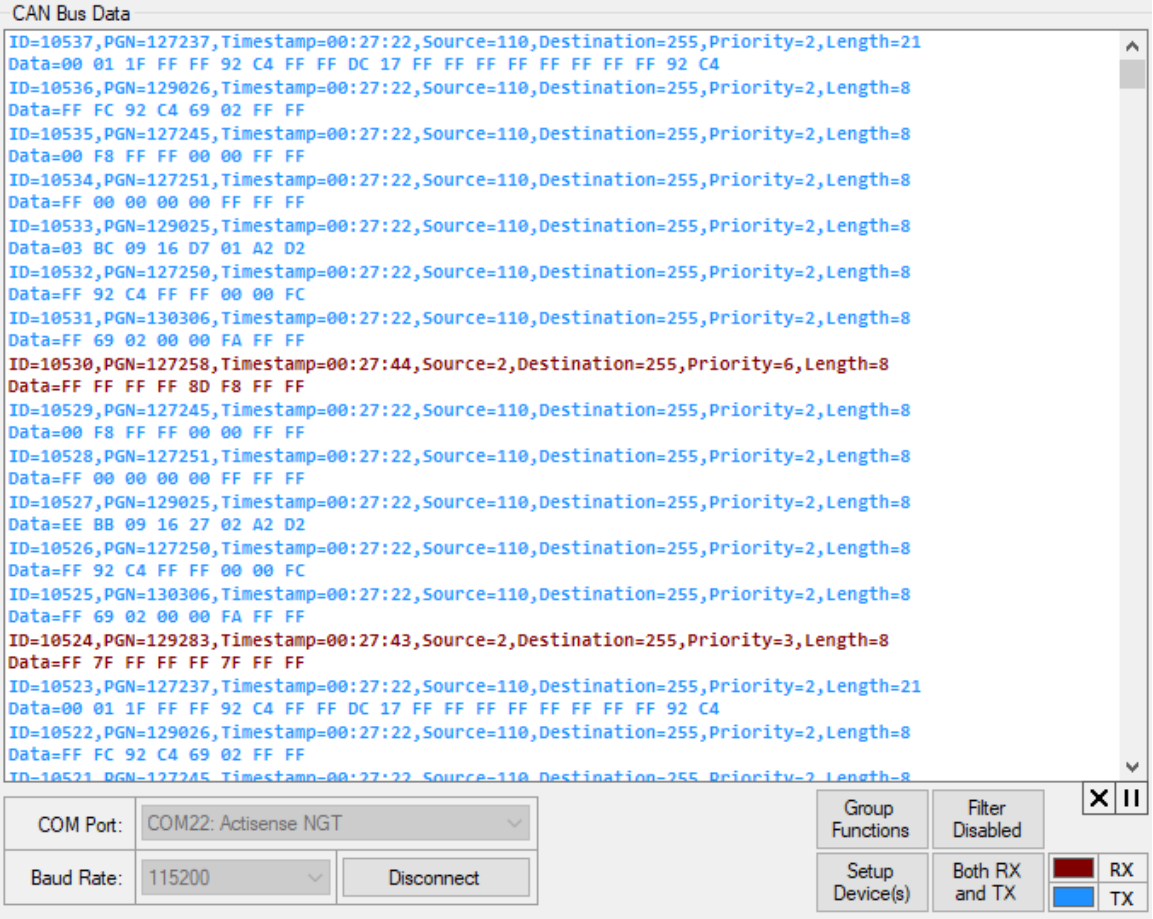


4. You can exit the debug window



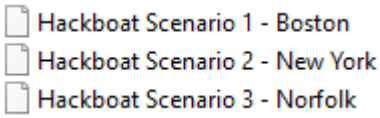
5. The CAN Bus Data window shows the data being exchanged between the computer and other devices on the physical network, with red text as incoming messages and blue text as outgoing messages.

The Baud Rate (in Bits per second) represents the rate of information being transferred on the bus. The standard Baud Rate for NMEA 2000 is 115200 bits/sec.

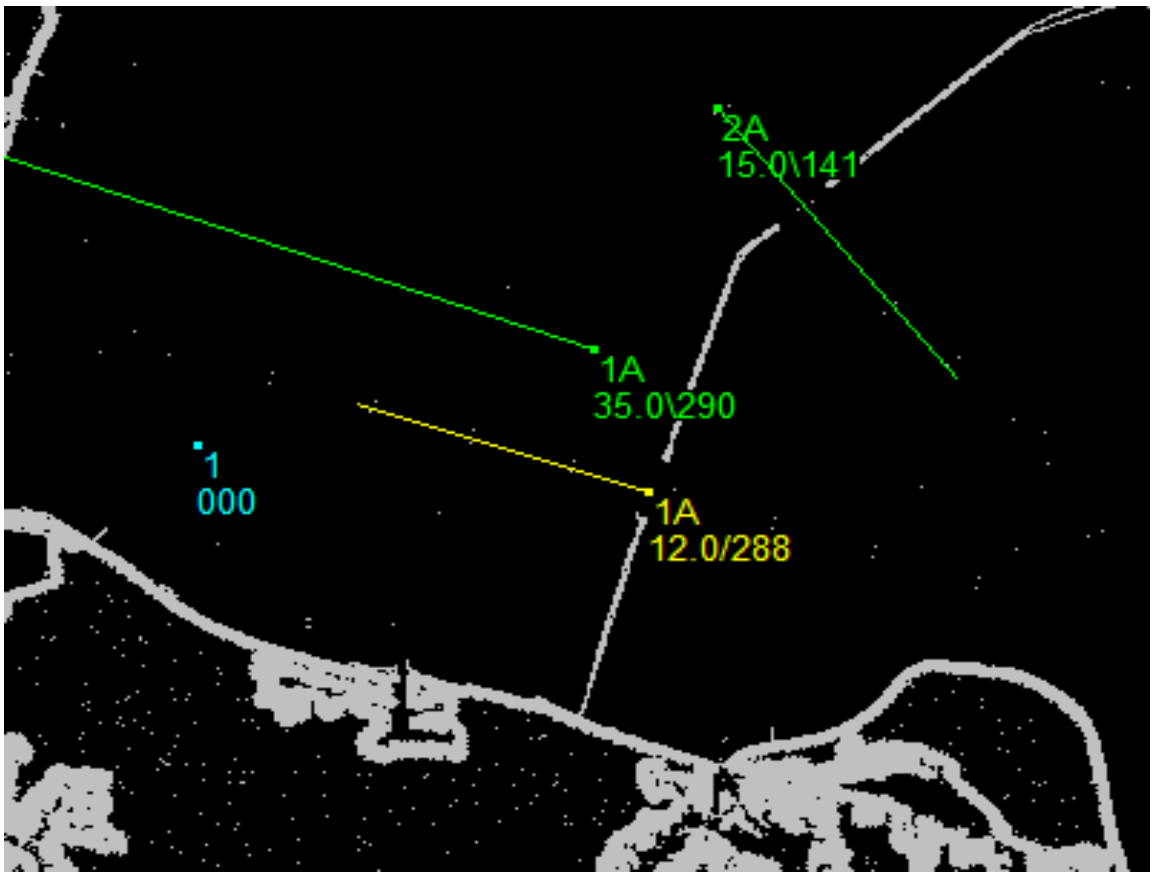


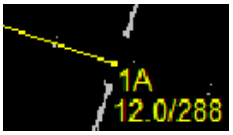
6. Click on the radar  taskbar icon to open the main GUI window.

7. Click on the open file  icon to chose from a list of available scenarios.



8. The window should populate with geographic, environmental, and traffic data:



The yellow icon is your ownship 

Green icons are moving contacts 

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Moving vessels display speed (in knots) and true heading (degrees) with true vector trails.

Blue Icons are stationary contacts 

9. Click the Play  button to start your scenario.

10. On the Raymarine Chartplotter screen, acknowledge any warnings now that data is being received. If you can't see your vessel, click the center  icon in the top left to locate it.

You can now verify that the chartplotter is receiving the simulation data by noticing the coordinates changing, and from the AIS contacts nearby.

11. When you are finished, press **CTRL+Q** to execute the shutdown sequence.