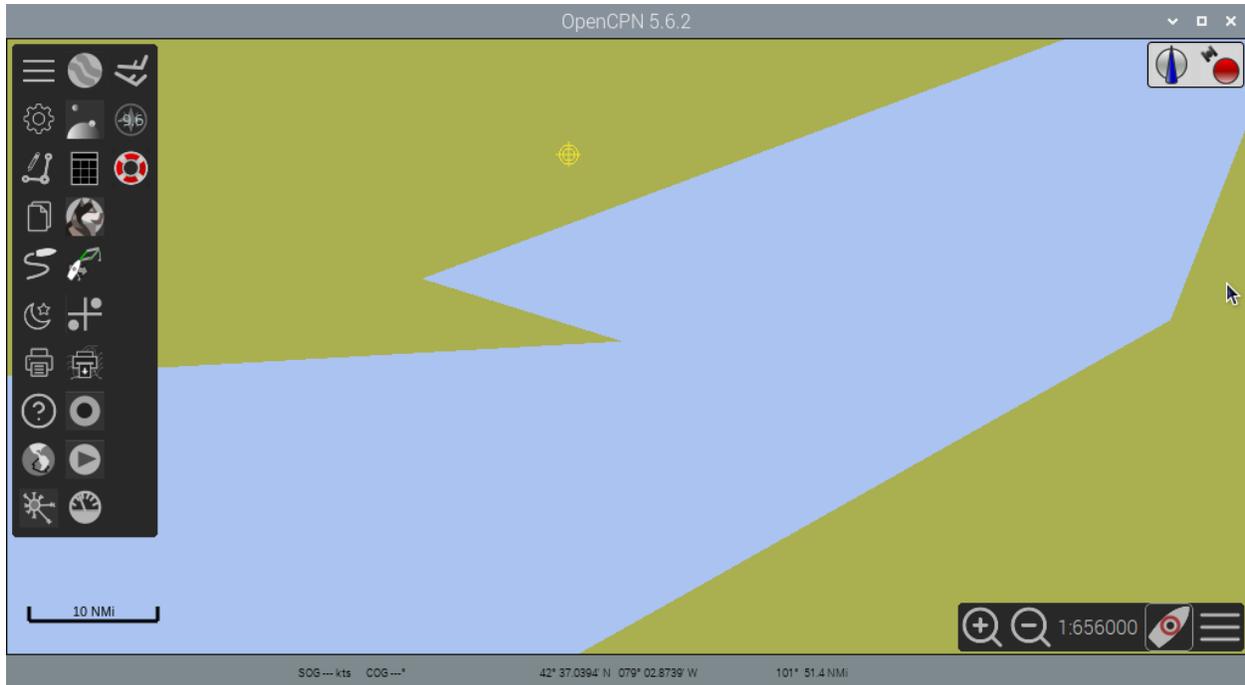


More on the I2c issue.

Check when I got to the boat.

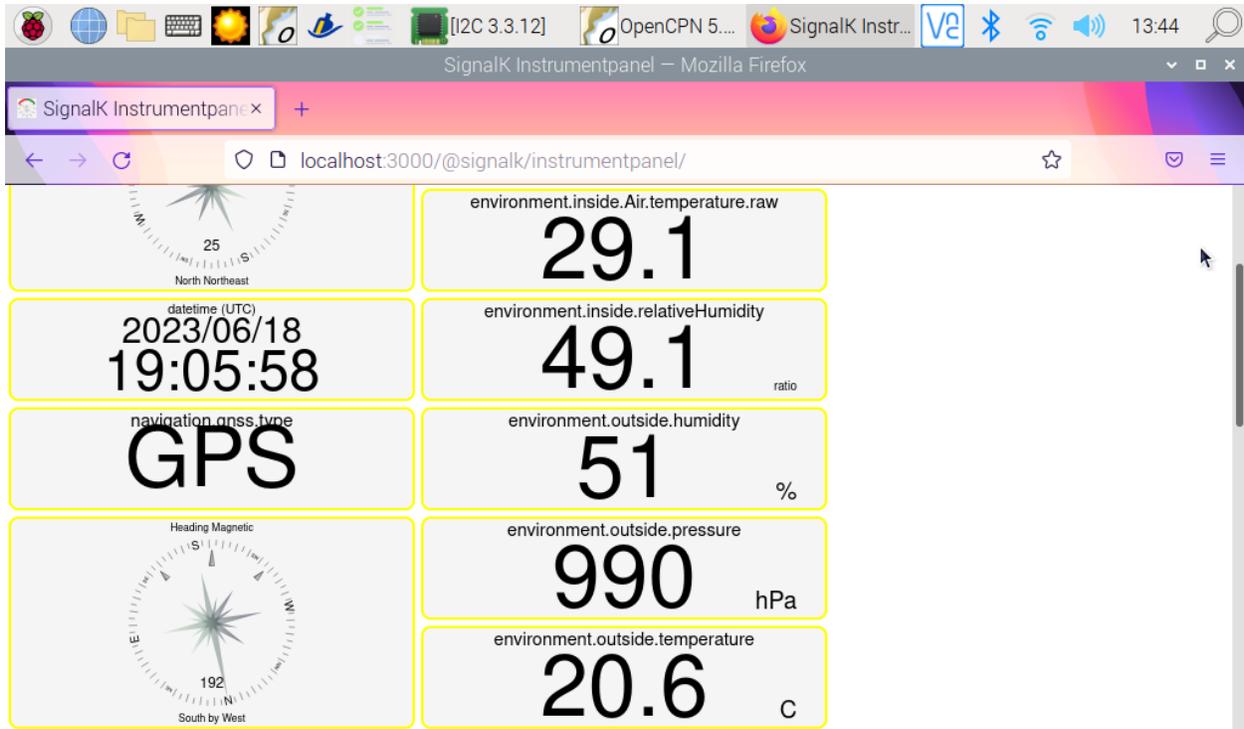
When I got to the boat open plotter was like this. no satellite data.



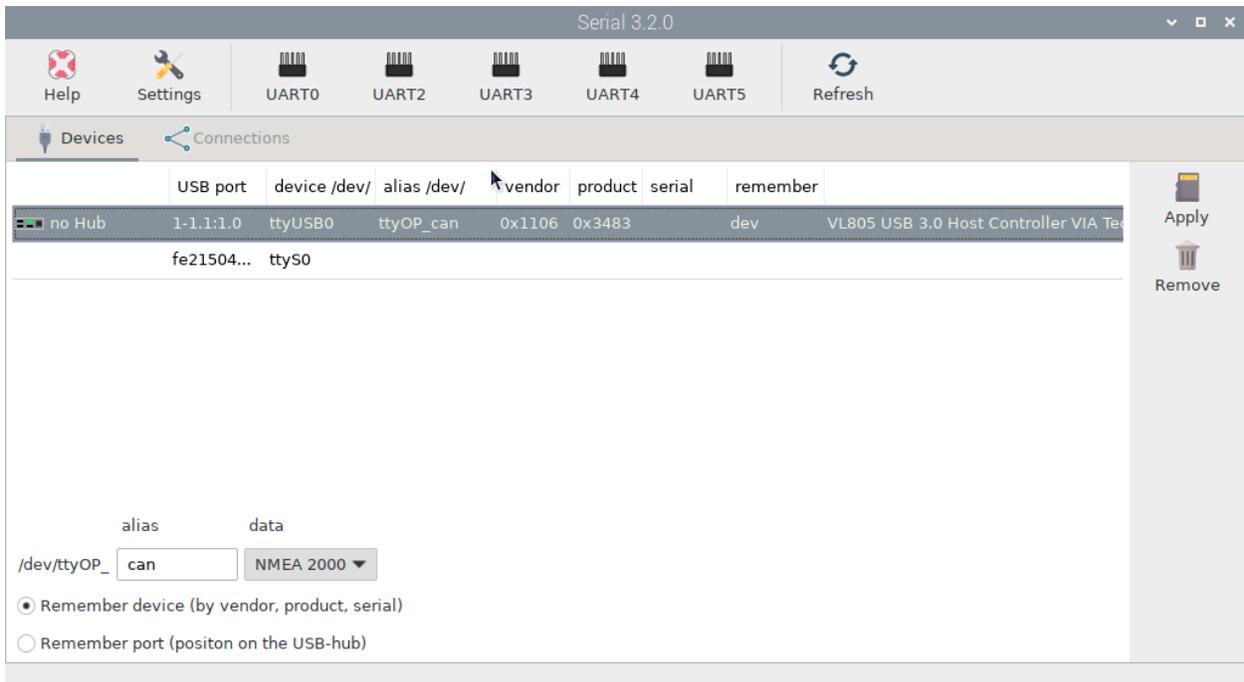
Opencpn was non responsive.

Note: this does happen. Using the flatpack for smallscreens. Very difficult to reinstall when links broken. Using an official Raspberry Pi keyboard, and very often have to use the Raspberry key to get to the Pi commands including openplotter.

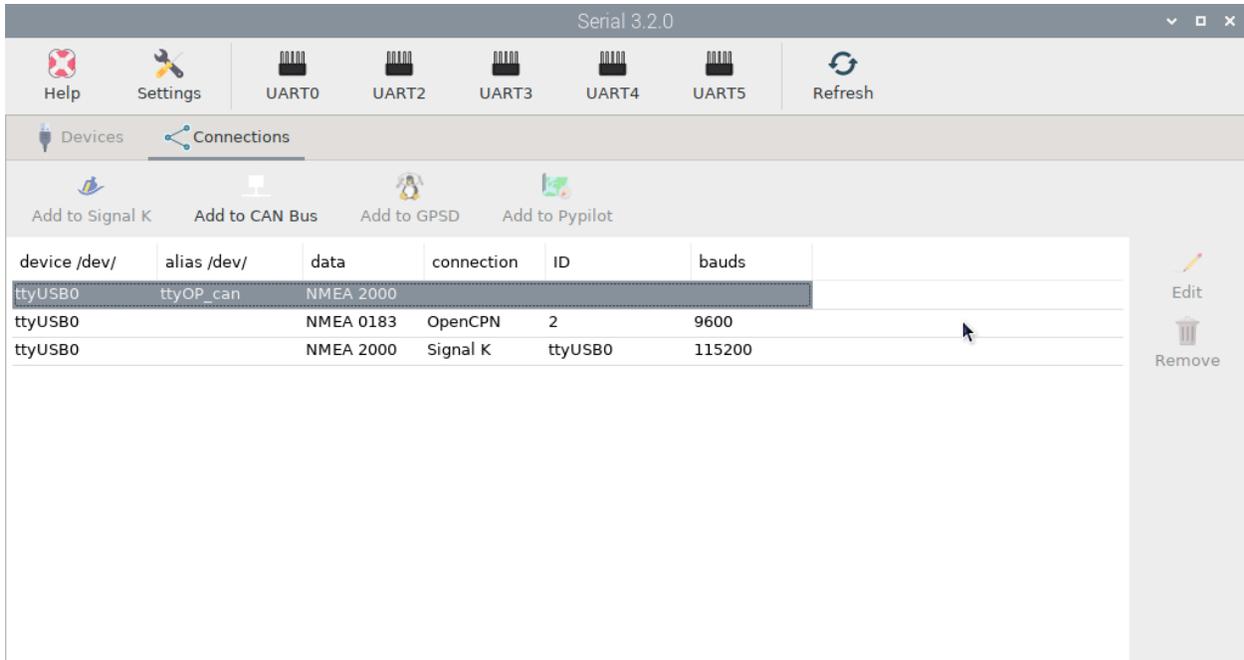
Instrument panel, was getting data from the I2C chip. Inside humidity was changing.



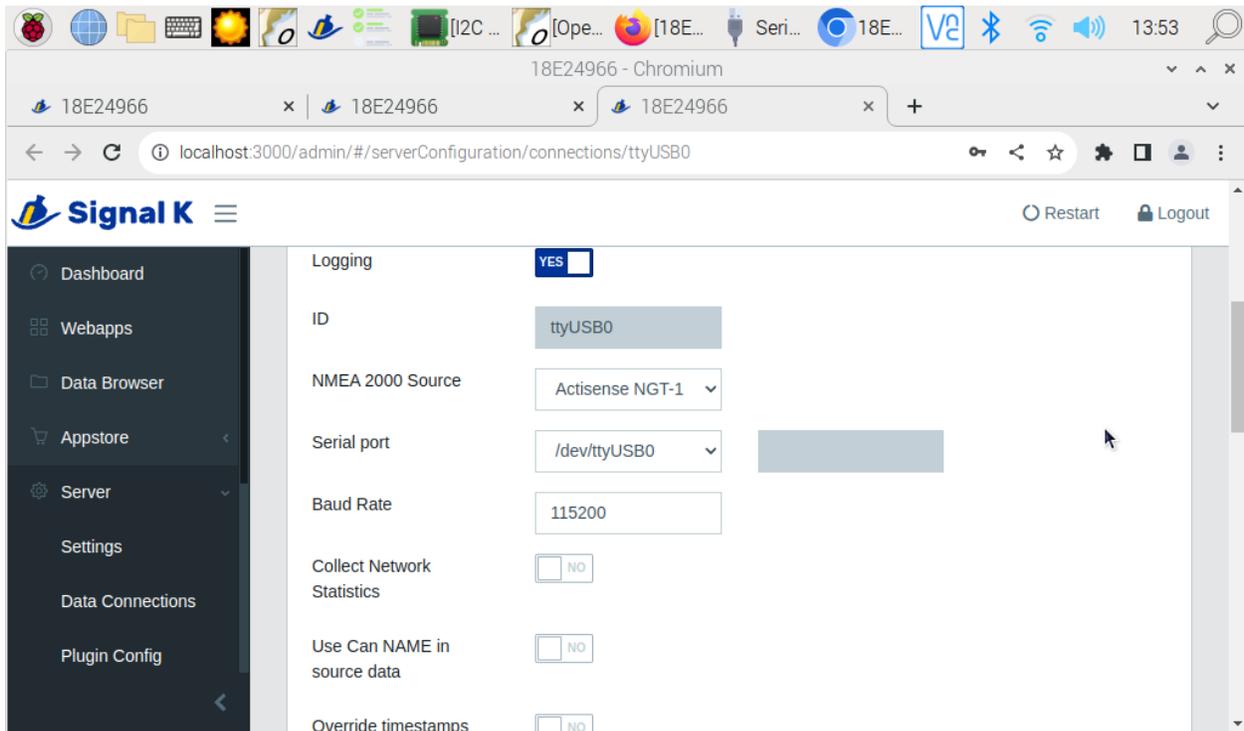
Opened the serial connection. showing an alias and nema 2k in the appropriate boxes. Note, this screen takes a very long time to fill in details. For instance when I open it, the alias and data boxes are empty.



Opened connections tab, this is what I get. Note, the ttyusb0 9600 baud was for my handheld GPS I connected at home to set things up and test. Emergency use in case that chartplotter gps went. (It has before.) Note, the I2C was connected at that time. And refused to start). Not sure why there is an extra connection (the can one). I tried and tried multiple times to delete extra connections with no luck.



Next check of connections in signalk.



Signal K Dashboard

Number of WebSocket Clients: 7

Uptime: 0 days, 23 hours, 30 minutes

Connection & Plugin Status (1 errors)

Id	Last Error	Status
sk-to-nmea0183		Started
ttyUSB0		Closed, reconnecting...

Been on reconnecting for about a day.

Signal K Dashboard

Number of WebSocket Clients: 3

Uptime: 0 days, 0 hours, 5 minutes

Connection & Plugin Status

Id	Last Error	Status
sk-to-nmea0183		Started
ttyUSB0		Connected to /dev/ttyUSB0

The screenshot shows the Signal K admin dashboard in a Chromium browser. The address bar indicates the URL is localhost:3000/admin/#/dashboard. The dashboard includes a sidebar with navigation options: Dashboard, Webapps, Data Browser, Appstore, Server, and Security. The main content area displays system metrics: 45 Signal K Paths, 3 WebSocket Clients, and an uptime of 0 days, 0 hours, and 5 minutes. A 'Connection & Plugin Status' section contains a table with the following data:

Id	Last Error	Status
sk-to-nmea0183		Started
ttyUSB0		Connected to /dev/ttyUSB0

Rebooted the Pi. And everything worked.

The screenshot shows the Signal K admin dashboard after a reboot. The address bar remains localhost:3000/admin/#/dashboard. The dashboard metrics are updated: Total server Signal K throughput is 49.8 deltas/second, Number of Signal K Paths is 45, Number of WebSocket Clients is 3, and Uptime is 0 days, 0 hours, and 6 minutes. The 'Connection activity (deltas/second)' section shows the following data:

Connection	Activity (deltas/second)	Percentage
defaults	0	0%
ttyUSB0	47.2	95%
ws.df816200-c089-481d-b135-ae2b5c31d074		
sk-simple-token-security-config	0	0%

Data browser

The screenshot shows the Signal K web interface in a Chromium browser. The browser's address bar shows the URL `localhost:3000/admin/#/databrowser`. The interface includes a sidebar with navigation options: Dashboard, Webapps, Data Browser (selected), Appstore, Server, and Security. The main content area displays a table of sensor data.

Path	Value	Unit	Timestamp	Source
environment.inside.Air.temperature	300.45	K	06/19 14:09:18	OpenPlc
environment.inside.Air.temperature.raw	27.3		06/19 14:09:18	OpenPlc
environment.inside.Cabin.temperature	99606	K	06/19 14:09:20	OpenPlc
environment.inside.Cabin.temperature.raw	996.06		06/19 14:09:20	OpenPlc
environment.inside.relativeHumidity	49.3	ratio	06/19 14:09:18	OpenPlc
environment.inside.relativeHumidity.raw	49.3		06/19 14:09:18	OpenPlc
environment.outside.humidity	0.5107200000000001	ratio	06/19	ttvUSB0

Went back to connections. And somehow got rid of the extra ttyusb connection. Had tried multiple times before. Not sure what I did to make it work. Tried selecting a line, delete, click edit then delete.

Only think I can think of is I left my tea on the other side of the boat and went to get it. I've noticed some routines are painfully slow.

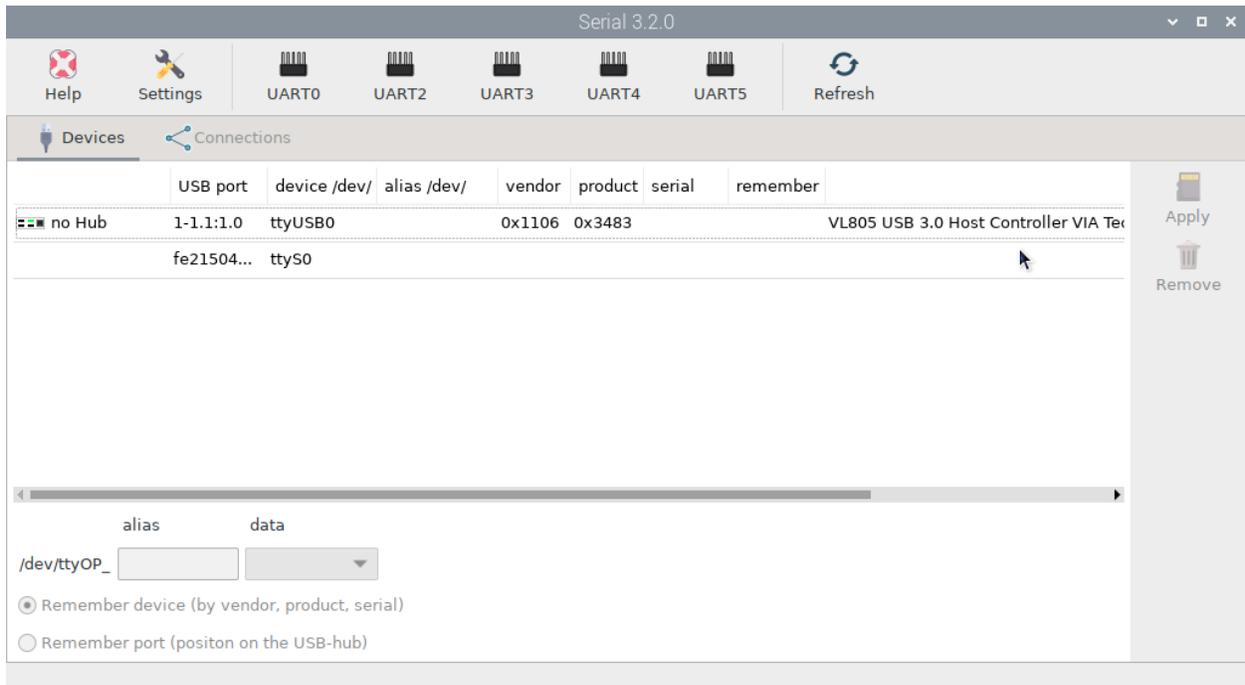
The screenshot shows the Serial 3.2.0 connection manager interface. It features a top toolbar with buttons for Help, Settings, UART0 through UART5, and Refresh. Below the toolbar, there are tabs for 'Devices' and 'Connections'. The 'Devices' tab is active, displaying a table of USB devices.

USB port	device /dev/	alias /dev/	vendor	product	serial	remember
no Hub	1-1.1:1.0	ttyUSB0	0x1106	0x3483		VL805 USB 3.0 Host Controller VIA Te...
		fe21504...				ttyS0

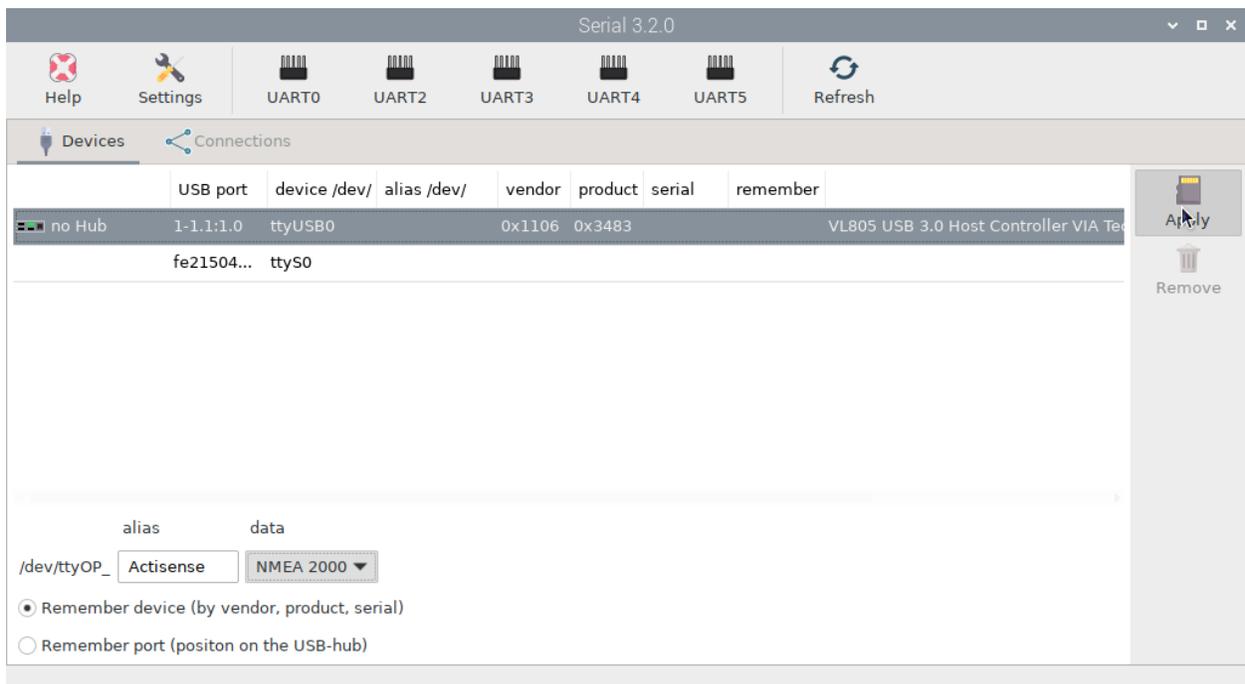
Below the table, there are input fields for 'alias' and 'data', and two radio buttons: 'Remember device (by vendor, product, serial)' (selected) and 'Remember port (position on the USB-hub)'.

**Applied changes**

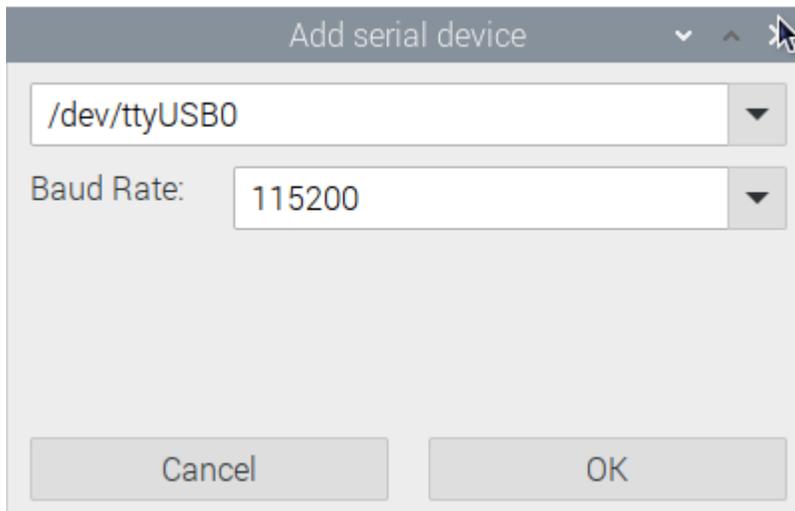
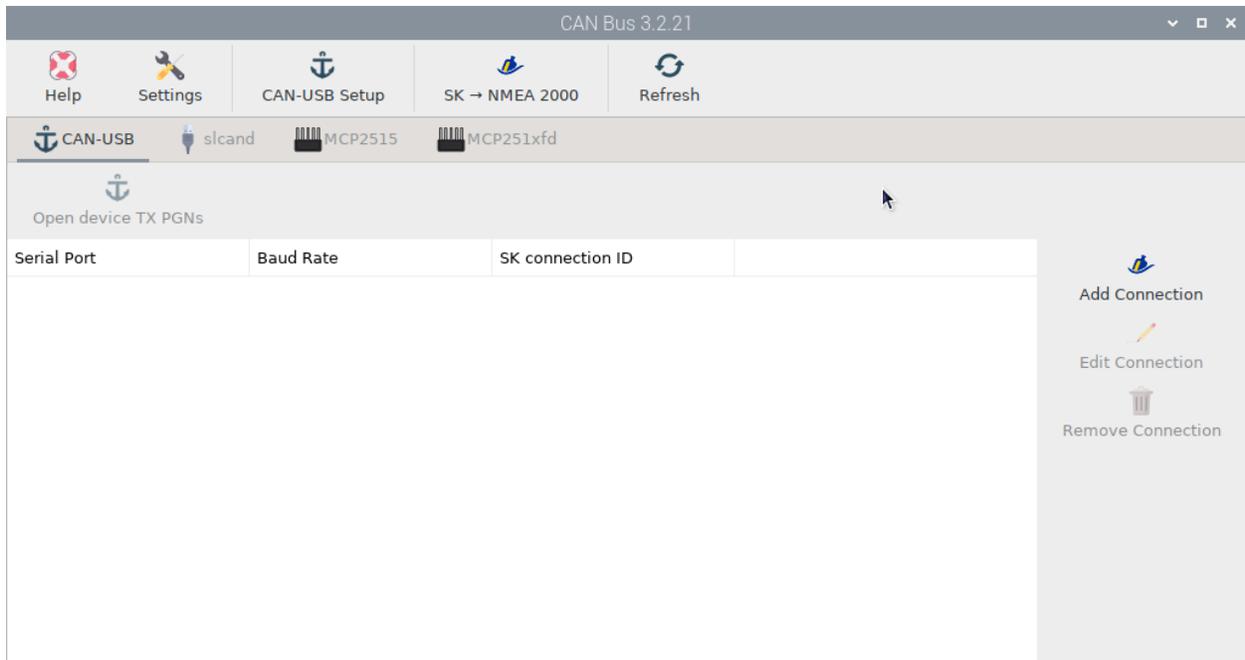
Next screen after applying changes.



Re-entered the connection for the antisense. Had to shorten to actis.



Next screen



Next

CAN Bus 3.2.21

Help Settings CAN-USB Setup SK → NMEA 2000 Refresh

CAN-USB slcand MCP2515 MCP251xfd

Open device TX PGNs

Serial Port	Baud Rate	SK connection ID
/dev/ttyUSB0	115200	ttyUSB0

Add Connection  
Edit Connection  
Remove Connection

Back to connections

Serial 3.2.0

Help Settings UART0 UART2 UART3 UART4 UART5 Refresh

Devices Connections

Add to Signal K Add to CAN Bus Add to GPSD Add to Pypilot

device /dev/	alias /dev/	data	connection	ID	bauds
ttyUSB0	ttyOP_actis	NMEA 2000			
ttyUSB0		NMEA 0183	OpenCPN	2	9600

Edit  
Remove

And back to the signalk dashboard

-  Dashboard
-  Webapps
-  Data Browser

0 days, 0 hours, 0 minutes

Connection & Plugin Status

Id	Last Error	Status
sk-to-nmea0183		Started
ttyUSB0		Connected to /dev/ttyUSB0