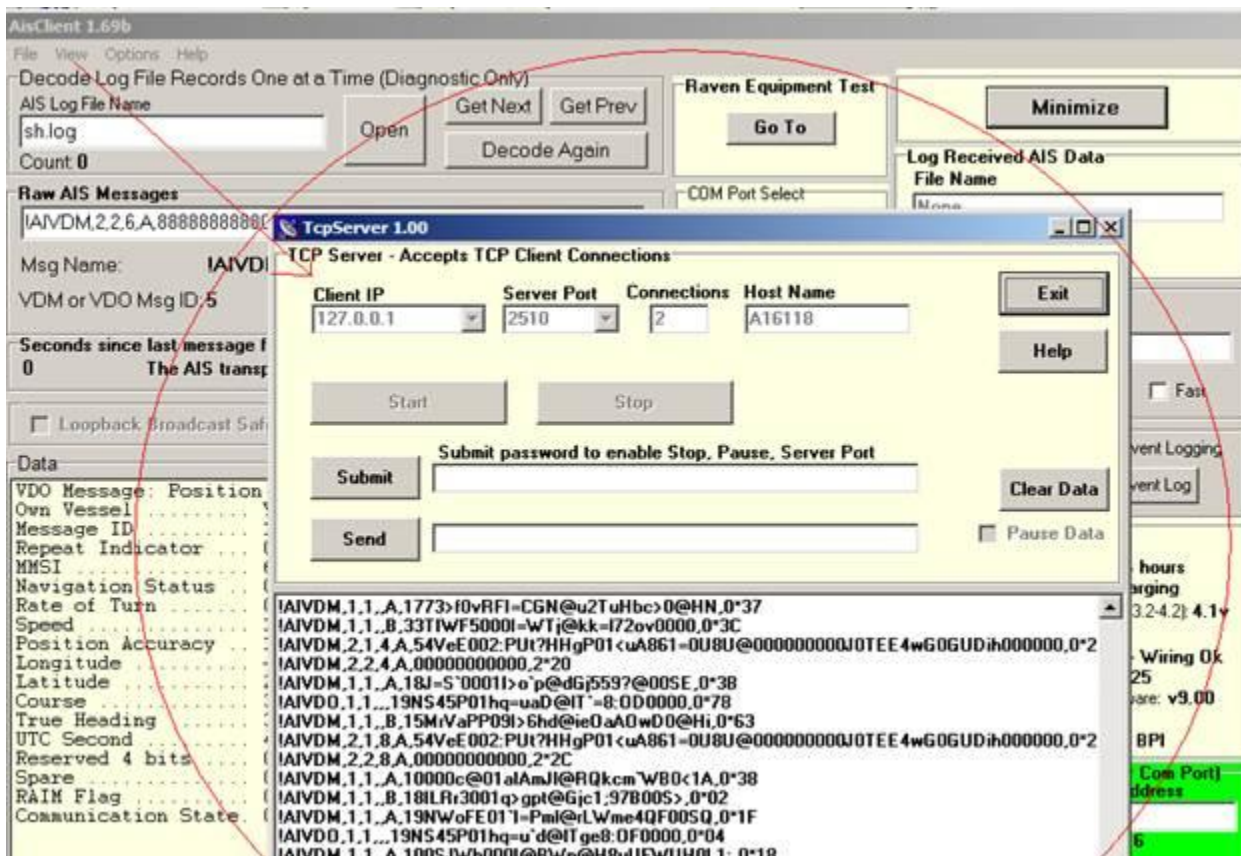# AisClient Recently enhanced to Serve AIS Data to Third-Party Charting Programs

AisClient has been recently enhanced to send the full AIS data stream from the AIS transponder to Capn Mosaic and Coastal Explorer via TCP connections.

The installer includes Aisclient 1.70b which contains a TCP server that serves data to TCP clients. Capn Mosaic and Coastal Explorer can both be configured as TCP clients. AisClient can serve AIS data to Capn Mosaic and Coastal Explorer simultaneously, if desired, but this might load down the laptop CPU. To see the TCP Server, go to the AisClient main screen and click on 'View | TCP Server'.

Capn Mosaic Operational Behavior

When Capn Mosaic is getting AIS data from the TCP connection, it will use the AIS own vessel position rather than the Raven Pilot System position. However, if Capn Mosaic is also getting Raven GPS data from SendClient, it will use the SendClient vessel static info and display the Raven GPS operational status in the Capn Mosaic title bar, even though it is using the AIS own vessel position. We would like Capn Mosaic to use the Raven GPS position whenever it is present, but we no longer have a development relationship with the Capn Mosaic since Dennis Mills sold out to MapTech.   *See AisClient setting in next section that allows for the filtering out of AIS own vessel records when using Capn Mosaic.*

Configuration of Capn Mosaic

For Capn Voyager you must select the settings as indicated below. Technically, the MMSI value should be your own vessel, but must not be 999999999 (I use 123456789, see below). Also, you must check 'AIS | Display AIS Targets'.

Note: Capn Mosaic release notes indicate that putting in own vessel MMSI will cause the behavior below, but that does not occur when the AIS data source is via TCP. So using 123456789 and leaving it seems the best way to handle this.

From Capn Mosaic release notes:
_____ Version 8.2.0.5 - 25 August 2005
Added AIS MMSI number field to the AIS setup screen so that the ship's own AIS reports will not be processed by the Capn's AIS target display sub-system.
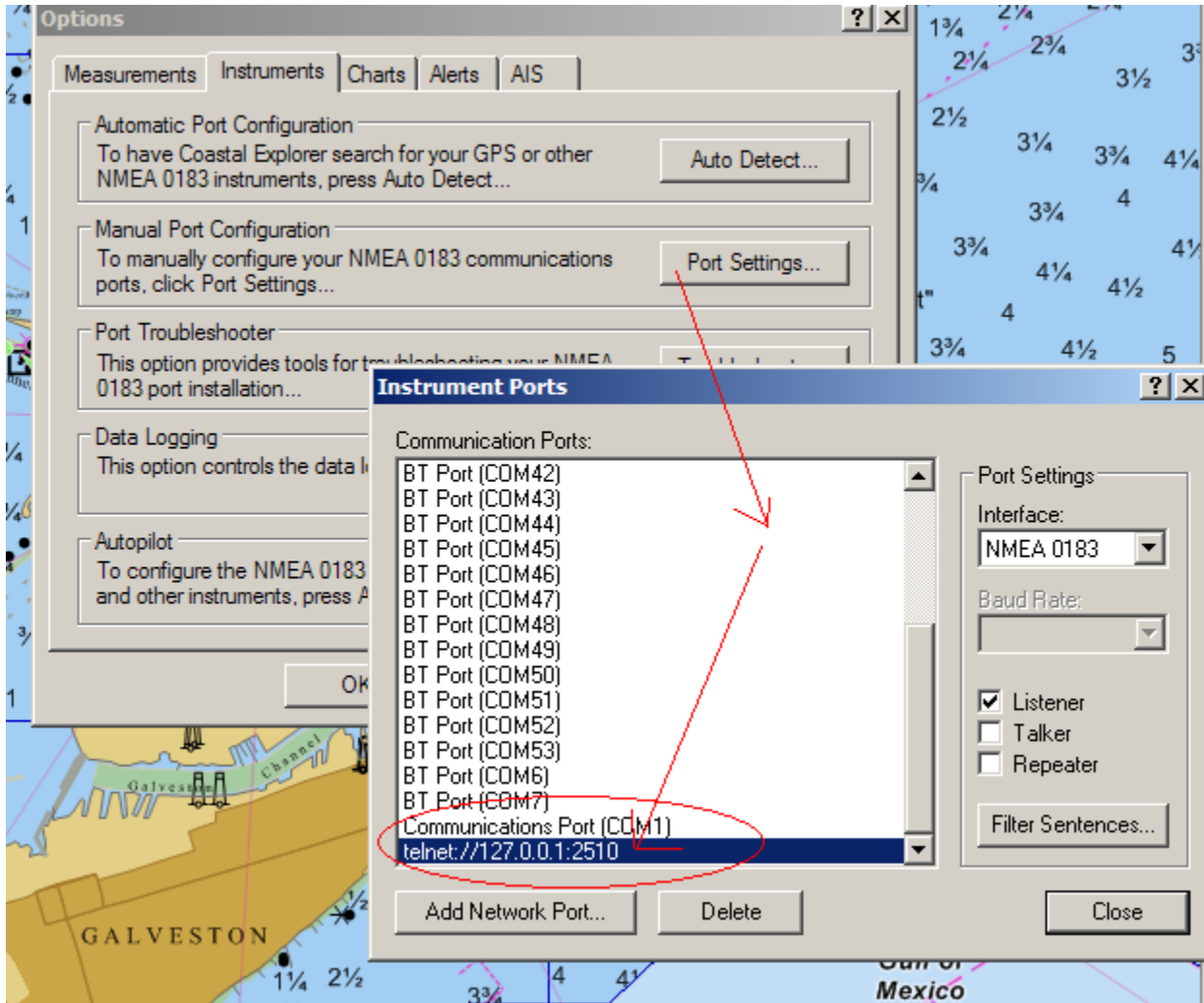
Coastal Explorer Operational Behavior

Coastal Explorer only uses one vessel data source, either the TCP connection or a COM port. When Coastal Explorer is getting AIS data from the TCP connection, the own vessel position will be the AIS own vessel position.

Configuration of Coastal Explorer

Select 'Tools | Options | Instruments | Port Settings | Add Network Port…' and type in 127.0.0.1:2510.

Filter Out AIS Own Vessel Records if Using Capn Mosaic

There is a checkbox on AisClient 1.70b that, when checked, excludes AIS own vessel records from the AIS data stream being sent to Capn Mosaic.   This causes Capn Mosaic to use the GPS position coming from the Raven GPS receiver. If you change this setting in AisClient, you should restart Capn Mosaic to get Capn Mosaic to properly adapt to the presence or absence of AIS own vessel records. So if you are using your Raven DGPS system, check the box. If not, uncheck the box. AisClient will remember the state of the checkbox the next time it starts.