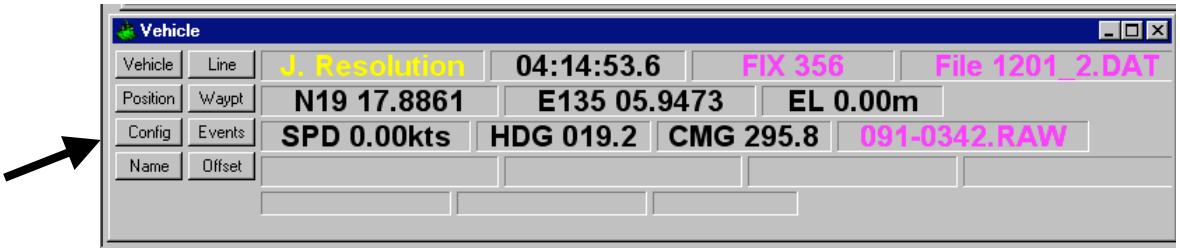
Underway Geophysics Lab Cookbook

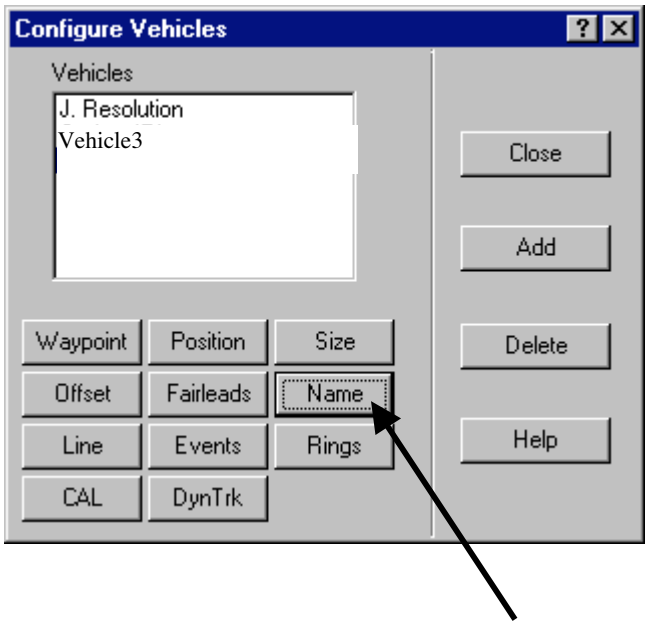
RUNNING A SECOND VEHICLE IN WINFROG

Update Nov. 2003

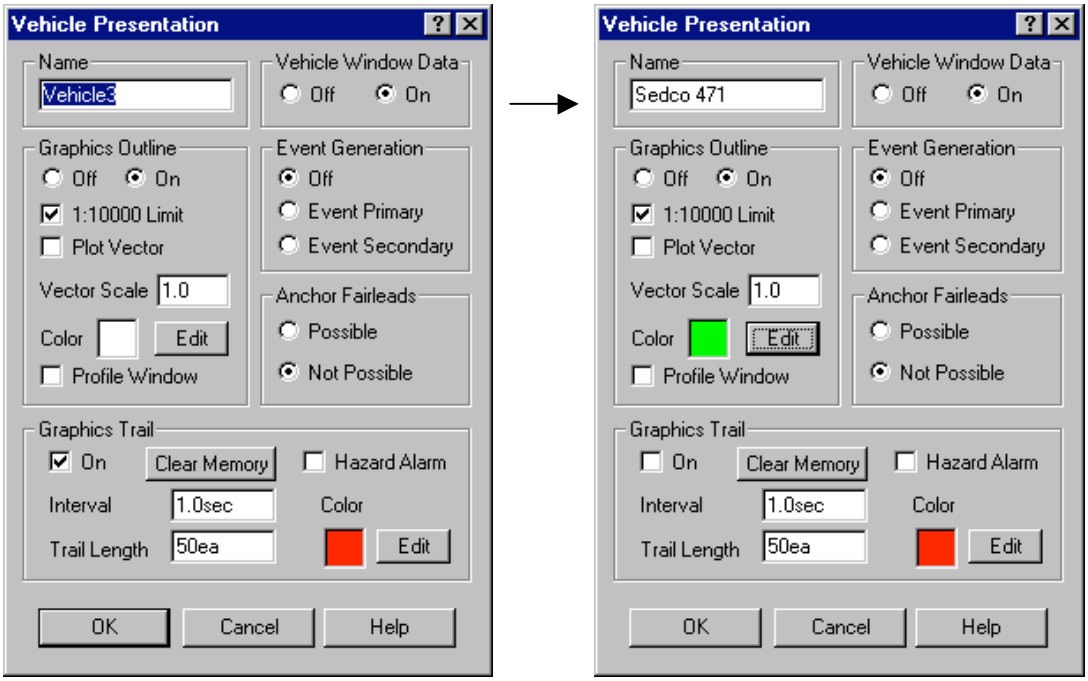
Multiple vehicles can be displayed on Primary WinFrog and networked machined can run remotely from Primary Win Frog. To run a remote, see the end of this section. Currently we run two additional vehicles on the UW Primary WinFrog display linked from DP WinFrog, "DP Trimble" and "DP Ashtec." From the Vehicle window at the bottom of the screen click on the Config button.



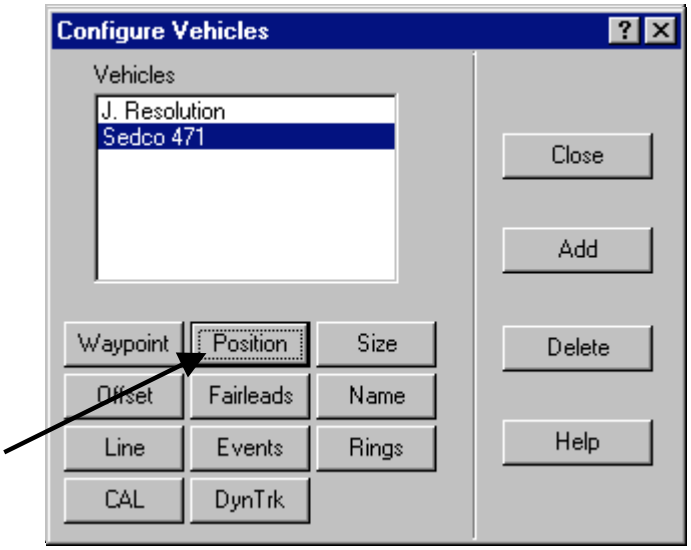
The Configure Vehicles window pops up. Select Add. A new Vehicle is inserted. Next click on the Name button.



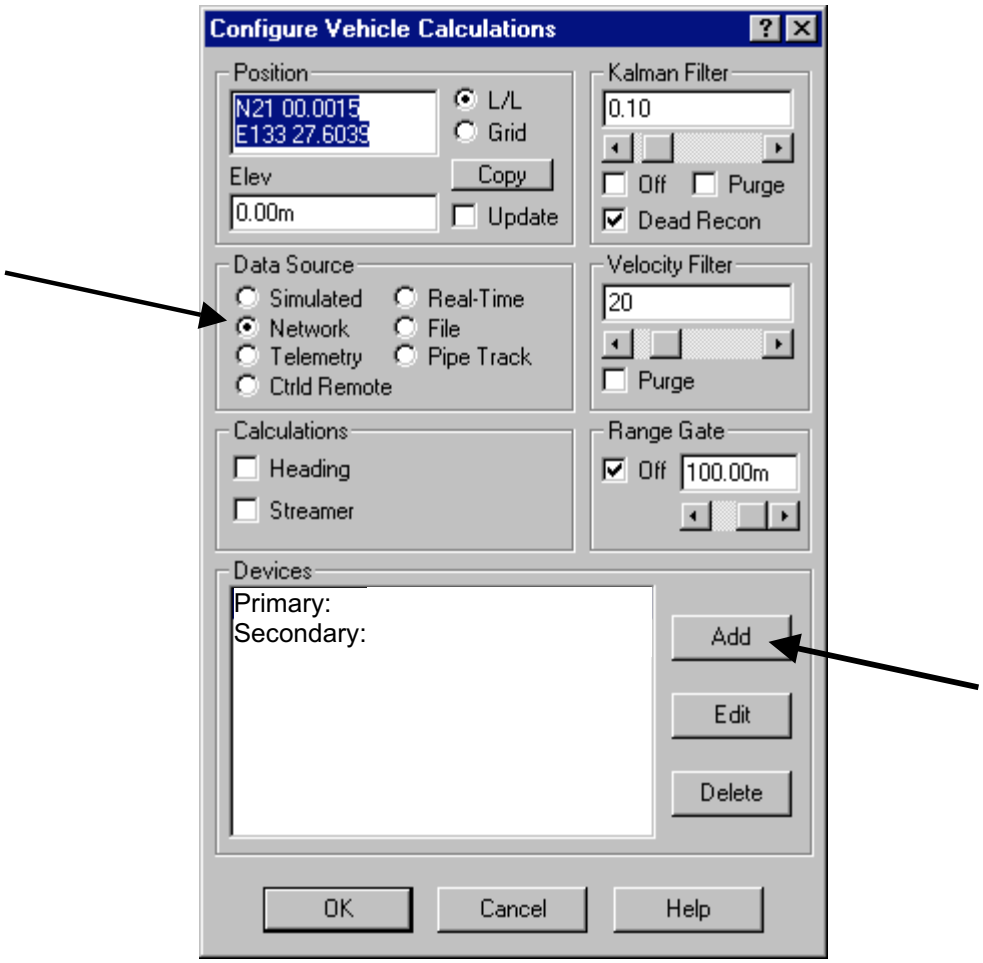
The Vehicle Presentation window pops up. Enter the name of the new vehicle, "DP Trimble" and select the Graphics Outline color (The name of the vehicle must be identical to the name on DP WinFrog). Note: Ignore the "Sedco 471" name in these diagrams and substitute "DF Trimble"



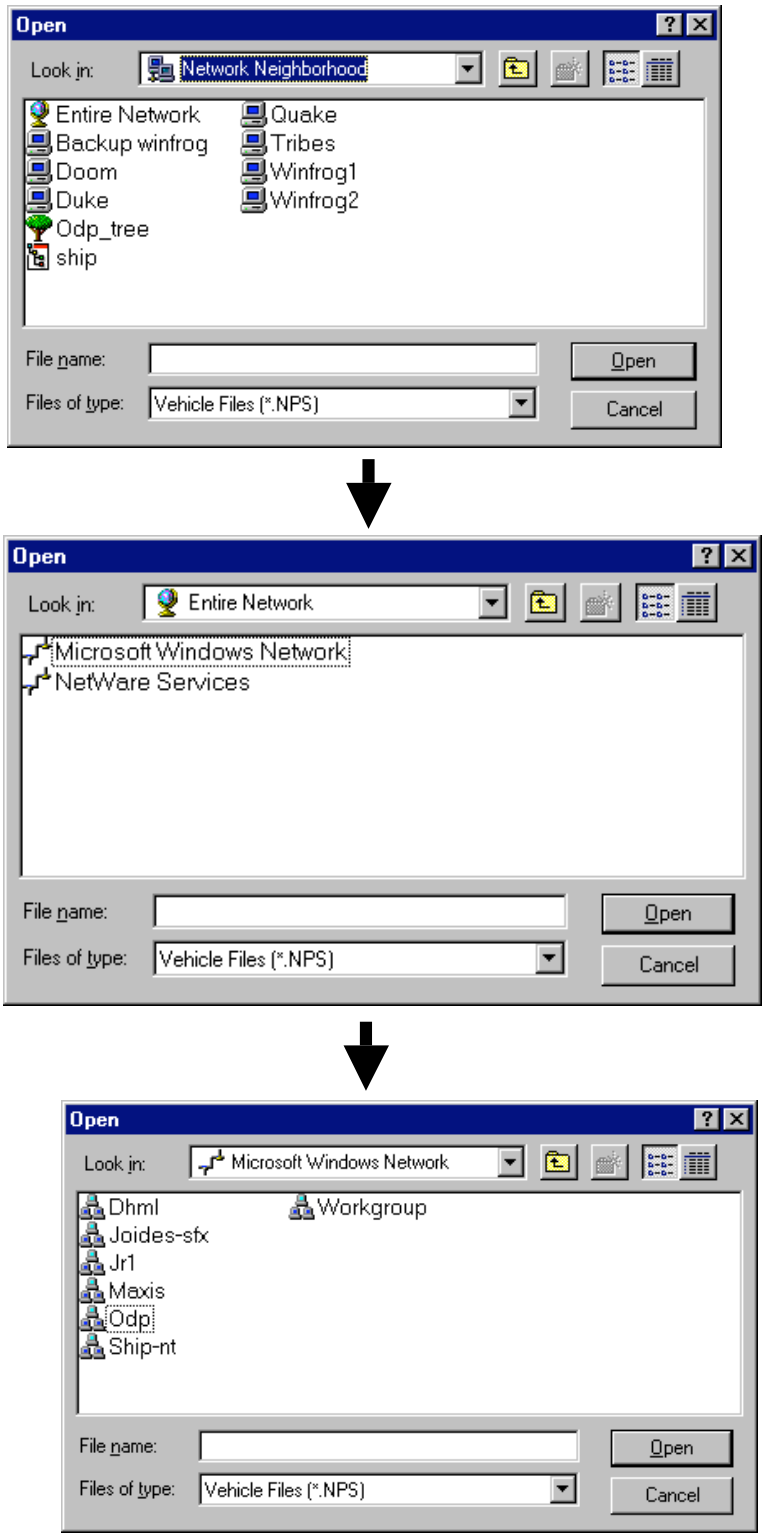
Say OK. The Configure Vehicles screen will look like this. Click on the Position button.



The Configure Vehicle box will appear. Select Network for Data Source. In the Devices field, select Primary and click Add.



Navigate to the network location of the DP WinFrog computer to find their **ship.nps** file.



Click on “Workgroup” then choose DP Winfrog>FROG_OUT>ship.nps.
The file ship.nps contains the device information you are looking for. Open the file. Click Ok on the Configure Vehicle Calculations screen and you are all set.

Repeat the above steps to add the “DP Ashtec” vehicle and make sure to give it a different color.

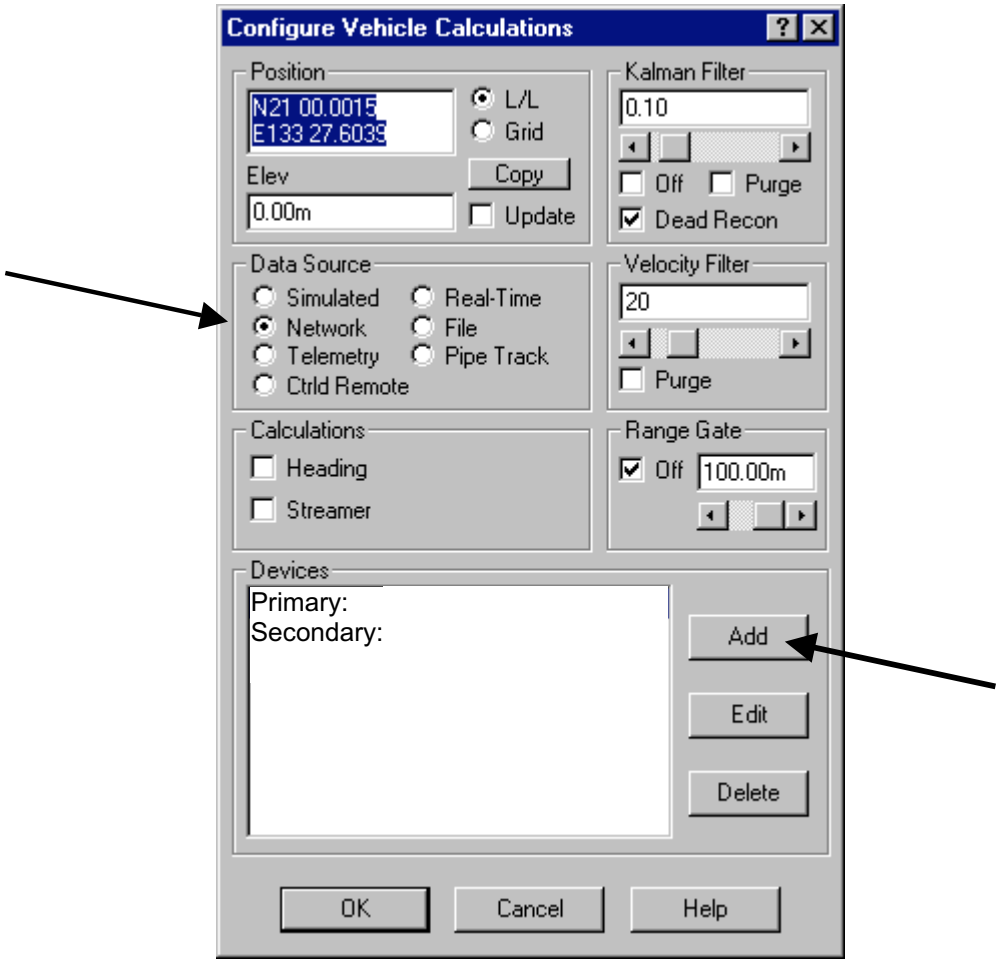
Running the DP WinFrog vehicles “DP Trimble” and “DP Ashtec” in background to the UW WinFrog vehicle “J. Resolution” is a good way to tell if gyro or GPS antenna settings have been lost. If this happens, the outlines of the two ships will not be in the same location. No immediate actions are needed though, usually waiting for a couple of minutes fixes the problem.

Finally, you may note that the outline of the DP vehicles are the wrong size. You can fix this by clicking on the “config” button in the Vehicle Window. The Configure Vehicles window will open. Click on “size”. You can then assign the correct size parameters by loading from the joides.veh file. There is a backup file on Tech\Underway.

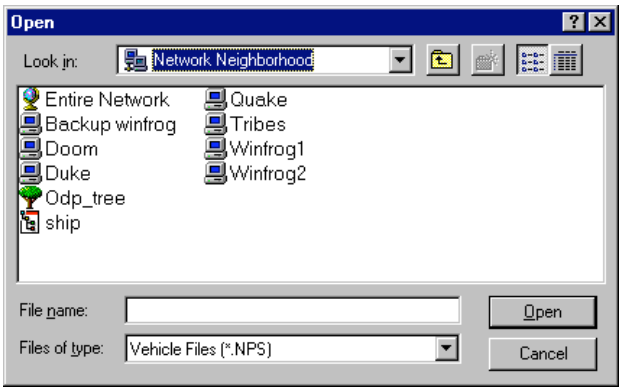
SETTING UP A REMOTE TO PRIMARY WINFROG

The WinFrog machine in the User Room and on the Bridge run as remotes or "Smart Remotes" to the Primary WinFrog in Underway. The User Room machine broadcasts the WF display to the ship-wide TV system. In order to run the remote, open WF in demo mode on the remote machine. Follow the procedures outlined at the beginning of this section on creating a new vehicle. When you name the vehicle, the name must be identical to the name of the vehicle on Primary WF (including upper and lower case characters and spaces in the name), in this case "J. Resolution".

In the Configure Vehicles window click Position bringing up the Configure Vehicle Calculations window. Select Network as the Data Source. In the Devices Field, select Primary and click Add.



Navigate to the network location of the **ship.nps** file on WinFrog1.



In the Navout folder you will find the **Ship.nps** vehicle file. Open this file. The outline of the vehicle "J. Resolution" should appear on the screen.