

Sounding Better!

Navigating to a Target

By Caryn Zacharias

Targets are used for a variety of reasons. Some users have a list of targets to investigate with additional sonar collection, collect bottom samples, etc. Whatever the use, some users might need to navigate to these targets. This article will explain a couple of ways I like to do this.

Use the Data Display

Target Information in the Data Display

Logging Line Chart Vessels Matrix Targets Tide Options Window Help	×	E Data Display(1) – – × Font Configure Style Status NOT LOGGING File Name
Map(1) - Settings Output	×	East 1793141.42 North 237705.26 Hdg 37.00°
CO CO <thco< th=""> CO CO CO<</thco<>	个 円	Line Line Azimuth Waypoint
3:00 1 4:00 5:00 6:00 7:00 8:00 1		Time To Go Distance to Start of Segment Tgt name 2
9,00 >=9.00		Tgt bearing 37.36 Tgt dist 309.154 ft Tgt stbd 1.92
206.891 ft 343.1 30d39'11.360" N 088d03'28.898" W 30d39'11.360" N 088d03'28.898" W 292.73	0 ft 33	8

- 1. Add Target information such as Target Distance and Target Bearing.
 - a. **Open the Data Display Configuration window.** Click Configure in Data Display menu.
 - b. **Expand 'Target'** in the Available items tree.
 - c. Select an available option on the left and then click [Add -->].

Adding Target Information to your Data Display



2. **Select the Target in Survey:** Right-click on the target in the map window and choose "Select" or go to the menu bar and select TARGET–SELECT.

Selecting the Current Target	Select Target	×
3. In the new window, select the target and click "Make Current".	Target East North Depth ☑ Target 1 454491.7 4945022.9 0.00 ☑ Target 2 454256.2 4945251.5 0.00 ☑ Target 3 454184.7 4945661.1 0.00 ☑ Target 4 453888.7 4945594.1 0.00	Select New Modify Delete Make Current

USE THE L/R INDICATOR

The L/R Indicator requires a line file so it knows how far you are off the selected line.

1. **Create lines on the fly in Survey mode using your Targets**: Right-click on the target and select "Line to Vessel" (image 4). You will now have a line from the vessel to the target (image 5).

Image 4 (left) Creating a Line from the Selected Target to the Vessel, Image 5 (right) Resutling Line



2. Select the new line and follow the L/R Indicator (image 6): Right-click on the new line and choose the Select option from the pop-up menu.

Image 6: Selecting the Survey 式 Data Display(1) New Survey Line Logging Line Chart Vessels Matrix Targets Tide Options Window Help Font... Configure... Style Status Logging ~ 0002_1452.RAW File Name 1793141.42 East After navigating to the 🗾 Map(1) North 237705.26 first target, when you are Settings Output View Matrix Tools Hdg 37.00° Line 🔀 💜 😋 😫 🔈 💦 🚺 🕅 Range 500 🗸 🖨 Tracking: None ready to move to the 37.36 Line Azimuth <0.00 0.00 1.00 2.00 3.00 4.00 5.00 6.00 7.00 8.00 9.00 next one, you can create N Waypoint 234567 A Time To Go N/A a line to the next target Distance to End of Segment 0.00 using 'Line to current' or Tgt name 2 'Line to Vessel', or select Tgt bearing 37.36 Tgt dist 309.154 ft the next target and Tgt stbd 1.92 follow the target distance 100 150 200 50 and bearing listed in the Data Display window. 100.250 ft 051.4 30d39'10.772" N 088d03'28.412" W 30d39'10.772" N 088d03'28.412" W 222.304 ft 342 Contract Ctrl-C Expand Ctrl-V Optio Dist to E/L: 309 15 Time to E/L: N/A Speed (Kts): 0.00 Depth: 0.00 Tide: 16 10 GPS Mode: -1 0.0 Navigating to the Next Target



Hope this helps!

As always if you need any other assistance, please reach out to help@hypack.com.