Adding S57 Symbols to a Target

By Roy Goyette

Many users want the ability to add S57 symbols to their targets in HYPACK®. The process is very simple, but many have reported what they feel is a software bug in HYPACK® when trying to display this symbol in the SURVEY portion of the program. The truth is that you can display these symbols in HYPACK® SURVEY. This feature has been available for some time.

ASSIGNING THE SYMBOLS IN THE TARGET EDITOR

First let's see how we assign the symbols to a target.

There are several ways to create a target. The most common is to just double-click in the map screen in SURVEY. Other methods include:

- Press your computer's F5 key while in the Survey program. This creates a target at your vessel's current location and which will include the depth at the transducer at that moment.
- Enter targets in the Target Editor. You define your target locations with your cursor in the area map or, If you already know the actual position of your targets, you can manually enter the target information directly in the Target Editor spreadsheet.

DISPLAYING TARGETS

Targets created without S57 symbols are displayed based on your selections in the HYPACK® Control Panel. There are two symbols:
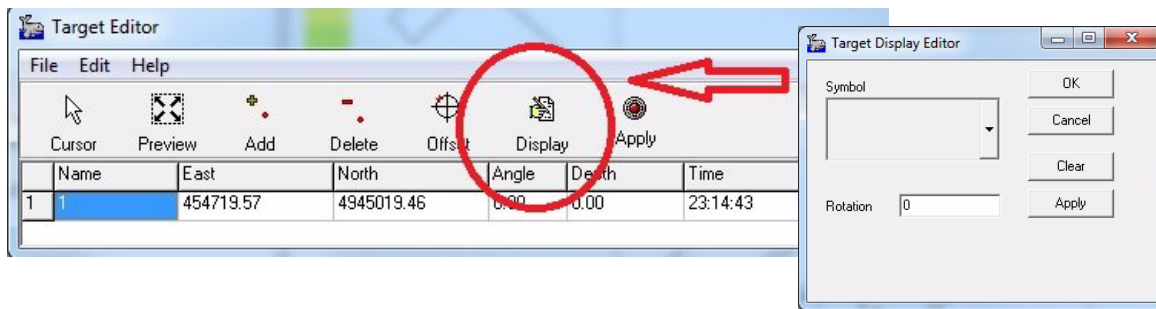
FIGURE 1. *Target Display Options in the Control Panel--Circl (left) and Alarms (right)*

To display an S57 symbol instead of a default symbol in the HYPACK® area map, follow these steps:
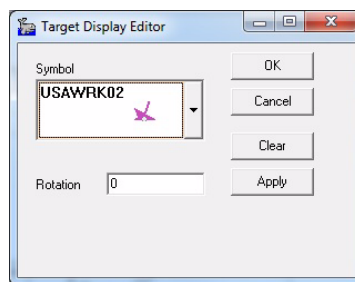
1. **Open your target file in the Target Editor**.
2. **Select the target to which you want to apply the S57 symbol and click the Display Icon**. The Target Display Editor will open.

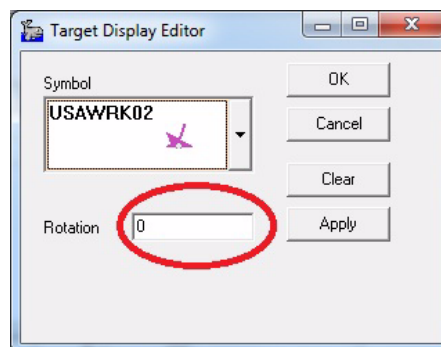*FIGURE 2. Accessing the Target Display Editor*

3. **From the drop-down list, choose the symbol you wish to represent your target**.

FIGURE 3. Setting your Target Symbol

4. **Select a rotation for the target.** This orients the target alarm.

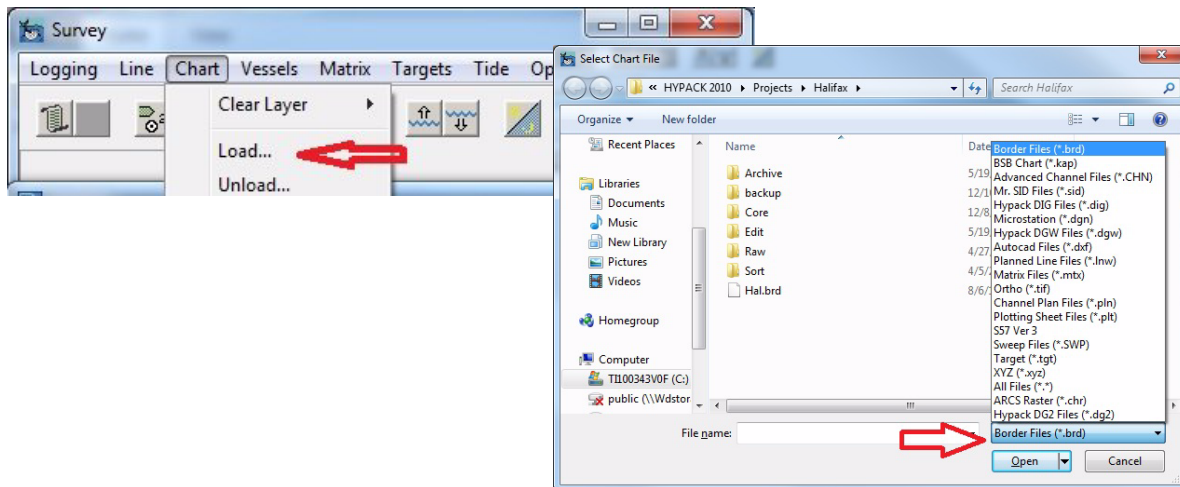*FIGURE 4. Setting your Target Location*

DISPLAYING YOUR S57 SYMBOLS IN HYPACK® SURVEY

To make the S57 symbols you applied to the target appear in HYPACK® SURVEY, you must load the target file *as a Chart* .
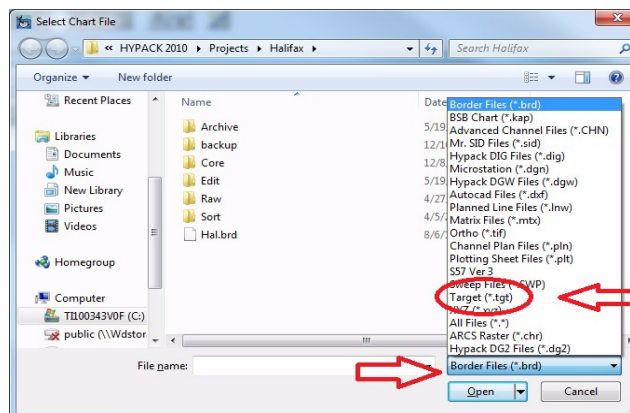
1. **In HYPACK® SURVEY, select CHART-LOAD.** The Select Chart dialog will open.

FIGURE 5. *Loading a Target File as a Chart*

2. **Select 'Target' from the File Types drop-down**

FIGURE 6. *Setting Target File Type*

3. **Select your target file and click [Open].** Your symbol will display at the target position in the SURVEY Area Map.

TARGET FILES AS CHARTS VS ACTIVE TARGET FILE

When you load a target file *only as a chart*, SURVEY displays the assigned symbols, but you cannot modify any of the target properties in the SURVEY program. If you want to be able to write anything to the properties of this target file, you must also load it as the active target file.

FIGURE 7. *Target loaded as a Chart only (left) as Both Chart and Target Files (right)*