



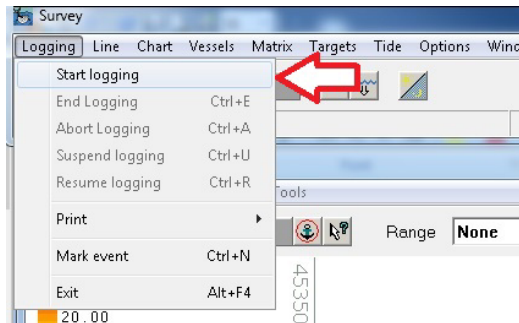
# Start Line Gate in HYPACK® SURVEY

By Roy Goyette

We're all familiar with how to manually go on line and begin logging data in HYPACK® SURVEY.

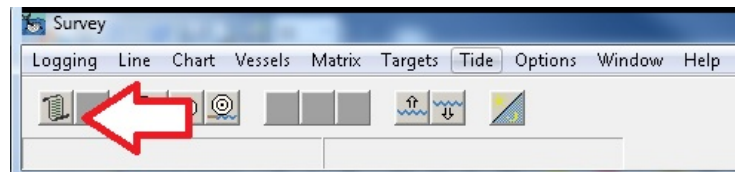
- You can use the **Logging menu** (select LOGGING- START LOGGING).

*FIGURE 1. Start Logging Through the Menu*



- Then there is the **Icon method**: Simply click the scroll bar icon and the program begins to log data.

*FIGURE 2. Start Logging Through the Icon*



- Then the **keyboard method**: Hold down your CTRL Key and press the S key.

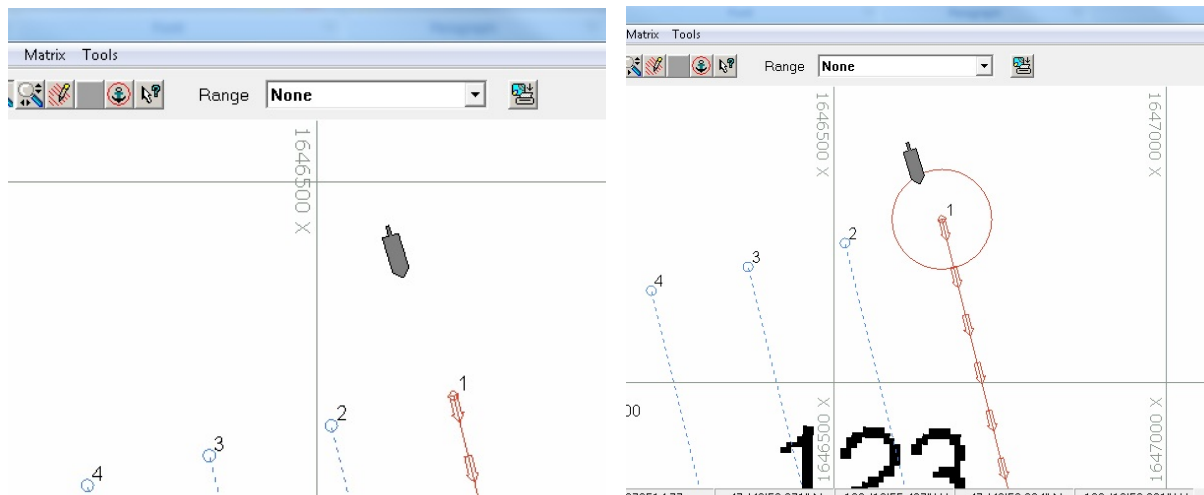
One feature I don't see being used very often is the Start Line Gate option. This automatic on line feature can save time and trouble by handling going on line and logging data without any action from the surveyor.

**To set up the feature**, in HYPACK® SURVEY, select OPTION-NAVIGATION PARAMETERS. The first field at the top left deals with the Start Line Gate feature.

The way this feature works is pretty simple:

- **When you enter a positive value** in the Start Line Gate field, the Survey program automatically creates a circle the diameter of the value you entered, around the beginning of your planned lines.

**FIGURE 3. Planned Lines without the Start Line Gate (left), and Start Line Gate = 75 (right)**

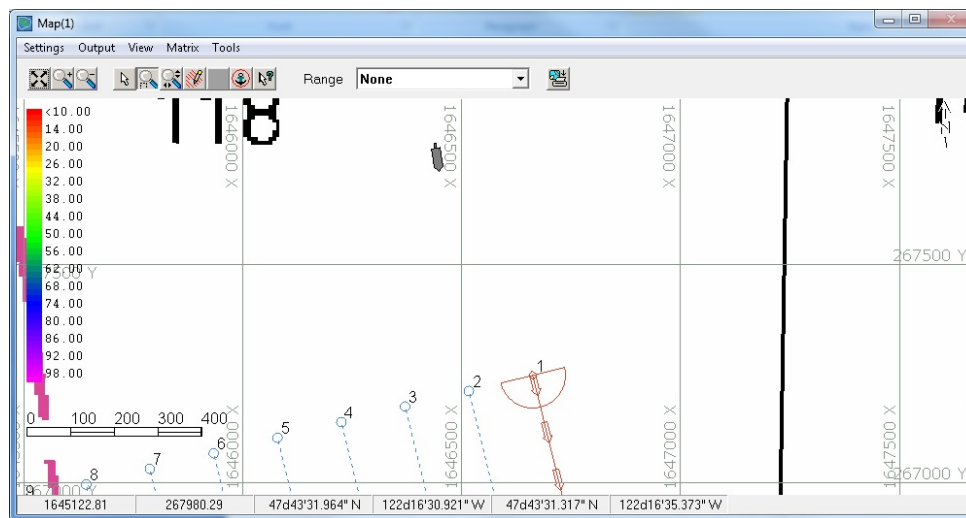


When your boat breaks the edge of the circle the SURVEY program automatically begins logging data. When the boat reaches the end of the line, the system stops logging data and the next line will be selected. You do not need to do anything else.

There are some nice options with this feature as well.

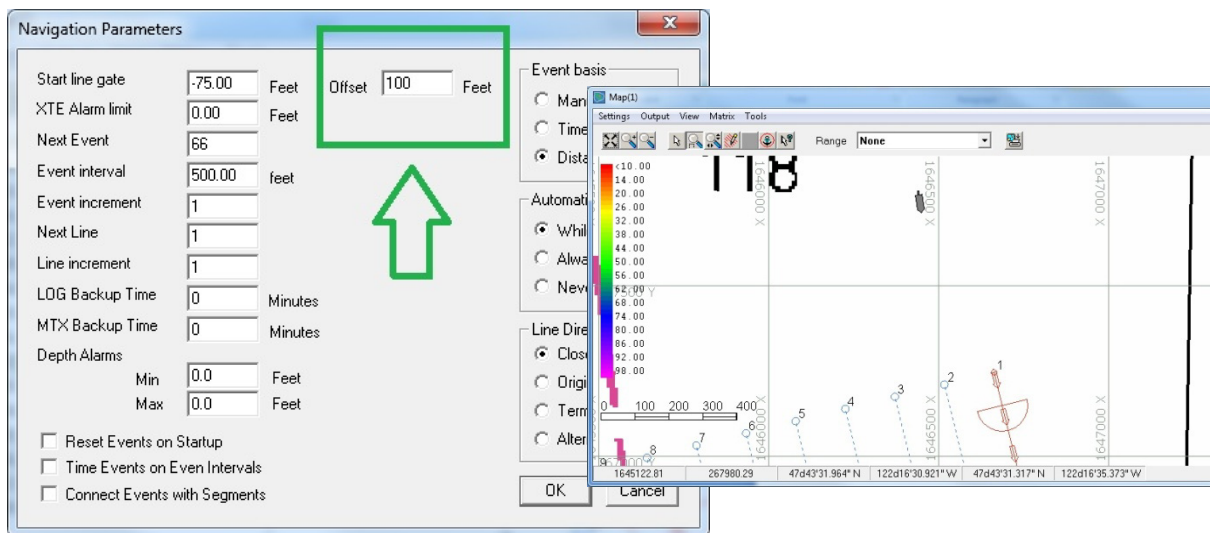
- **If you enter a negative value** in the Start Line Gate field, the program will create a half circle at the beginning of the line. In this case, the program will begin logging when the vessel breaks the plane of the half circle.

**FIGURE 4. Start Line Gate = -75**



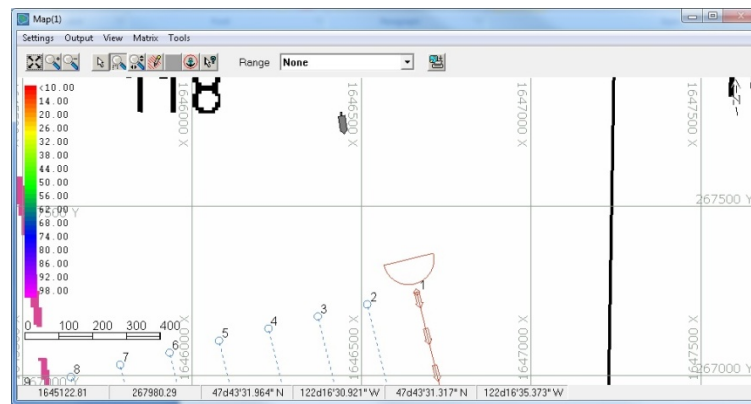
- **Start Line Gate Offsets:** In version 2012 and higher we've added the ability to move the gate either down the line or before the line by entering an offset.
  - With a **positive offset** the gate moves down the line.

**FIGURE 5. Positive Start Line Gate Offset**



- With a negative offset the Gate moves before the line.

**FIGURE 6. Negative Start Line Gate Offset**



The Start Line Gate is a real time saver and it eliminates the need to be concerned about starting the line manually.

Just another feature created to save you time and effort when you have so many other items to be concerned with while surveying. Give it a try!