



HYPACK® SURVEY Construction Tools

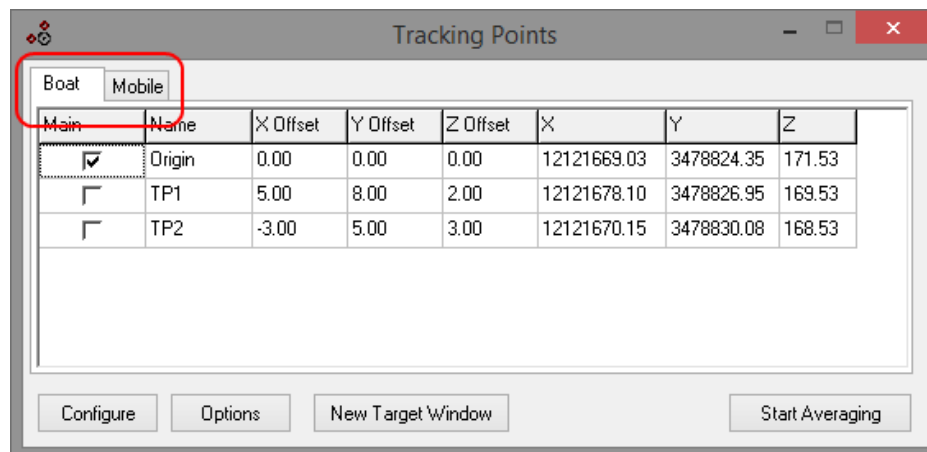
By John Marinuzzi

Over the past few months I have been posting updates to some of the construction tools we are starting to build into SURVEY. In this article, I will give an overview of these tools and where the development currently stands on them. We refer to these as construction tools because that is where they got their start, but they can be used for many different applications and are available to all HYPACK® SURVEY licenses.

3D TRACKING POINTS

There is only one tracking point used by the SURVEY program to position the vessel. The tracking point is also used for left/right guidance, start and end line decisions, and for calculating distances between the vessel and other features. So, why multiple tracking points? The multiple tracking point window gives you the ability to switch this tracking point on-the-fly. Also, as you will see later, any tracking point, including the inactive ones, can be used for other purposes.

FIGURE 1. Tracking Points for Main Boat



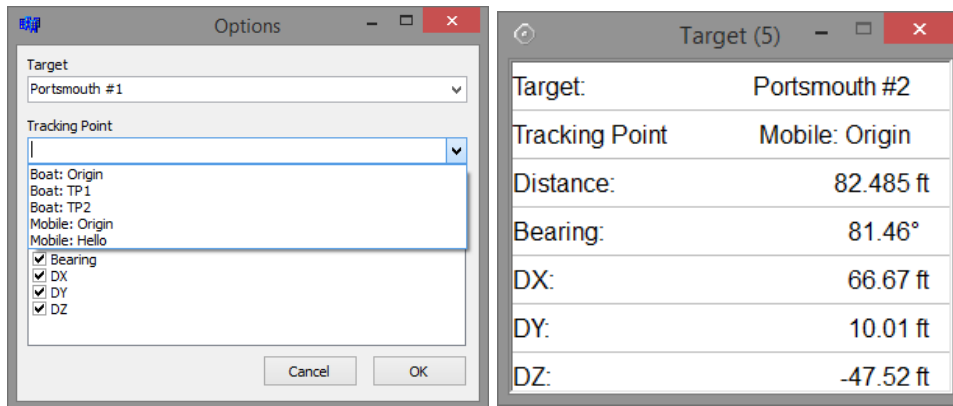
Additional information about this can be found in the [November 2013](#) and [May 2014 Sounding Better!](#) Newsletter.

TRACKING POINT TO TARGET WINDOWS

Tracking Point-to-Target Windows display real-time information about a Tracking Point relative to a specified Target.

Figure 2 shows a sample configuration screen and display screen for the Tracking Point-to-Target windows.

FIGURE 2. Tracking Point-to-Target—Configuration (left), Display Window (right)

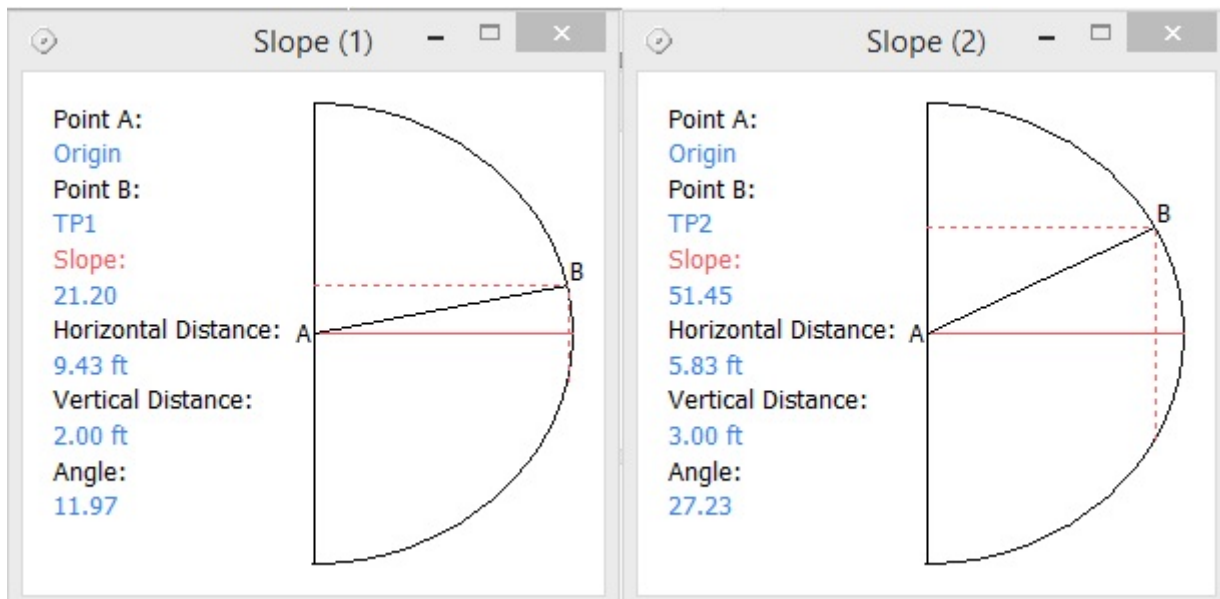


Additional information about this can be found in the [January 2014](#) and [May 2014](#) Sounding Better! Newsletter.

TRACKING POINT SLOPE WINDOWS

The most recent addition is in response to a user request for a Tracking Point-to-Tracking Point window. Tracking Point Slope Windows enable you to track the slope, angle, and horizontal and vertical distance between two tracking points.

FIGURE 3. Sample Tracking Point Slope Windows



More information about this can be found in the [September 2014](#) Sounding Better! Newsletter.

Most of these tools have come from the requests of customers looking to fill a particular need. We hope to make them more unified and expand upon them in the near future. If you have any functions you would like to see added to SURVEY, please let us know.