



Profile Runner

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Profile Runner is a new program I've been working on. It is designed for the landing of ships and can also be used for avoiding shoals. It allows you to load an edited All format (or LOG file containing edited All Files) and a tide file, and view the tides along a line at different time through out the length of the tide file. You can also load a boat shape file and run the line using its length, height and draft.

There are 4 main interactive windows in PROFILE RUNNER:

- Profile Runner window,
- Spreadsheet window,
- Survey view Window
- Profile view window.

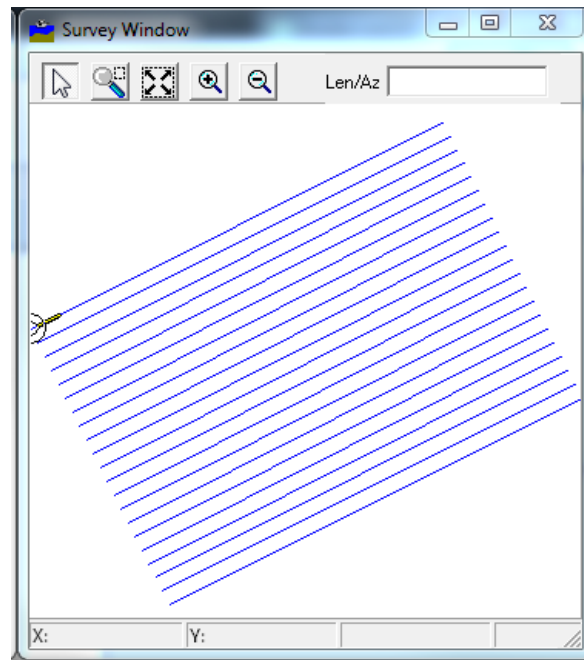
The Profile Runner window is where you load files, move the boat in the profile window, change the time and speed of the vessel, load a boat and load background files for the survey window. Much of the program is controlled from this window.

FIGURE 1. *Profile Runner Window*



The survey window looks similar to the map window in Survey. It displays all of the lines of the loaded edited All files. It will also display many different kinds of background files as well as the current boat location. You are also able to control zoom in this window.

FIGURE 2. Sample Survey Window



The spreadsheet window gives you information about the records in the currently loaded edited All file: X, Y, latitude, longitude, dbf, depth, and minimum, maximum, and current clearance over the point.

The Profile view window is the most useful window. This displays the a cross section view of the current edited-all file, the level of the tide, and the boat's location. You can easily see the ships clearance over the line and see if there are any problematic shoals or to see when the water will be high enough for a landed ship to move. You can control the zoom with a option to keep the vessel in the window. There is also is a measurement tool and a button to take a screen capture of this window.

FIGURE 3. Sample Profile View

