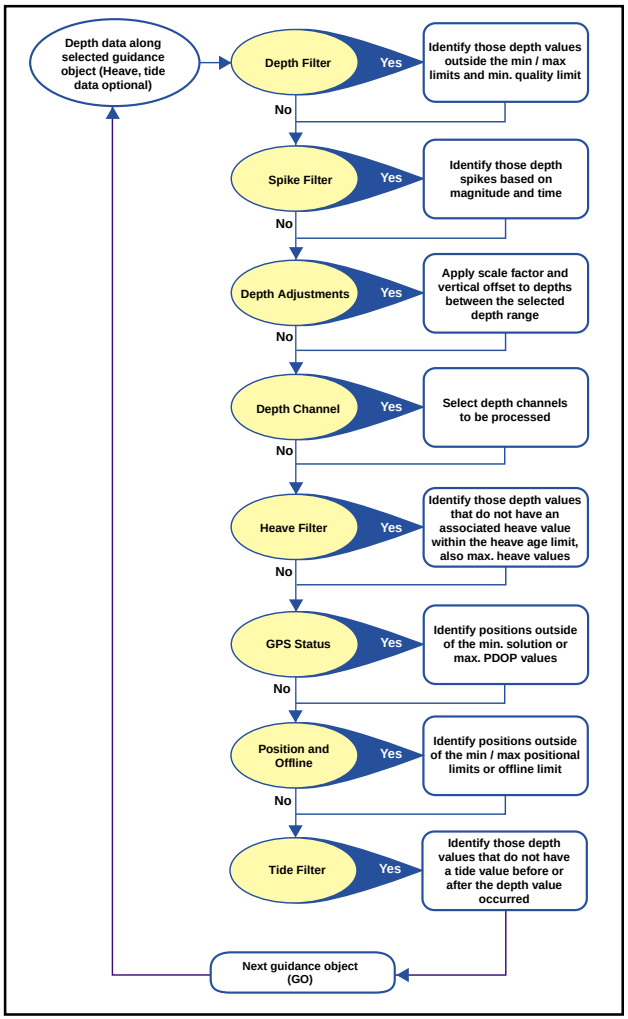
Batch Processor

The batch processor contains a series of filters that provide an automated means of detecting bad data in large data sets.

1. Select *Edit* / *Batch Process* to start the *Batch Process* wizard.

   This guides you through selecting which GOs are to be processed as well as the setting up filters.

   Use the following flowchart to set up the filters:



Shortcut Keys

Press	To ...
Common shortcut keys	
F1	open the Help
Ctrl+N	create a new Tide file
Ctrl+O	open an existing Navigation project or Tide file
Ctrl+R	auto-arrange the displays
Alt+Enter	open the properties of the highlighted display
Ctrl+Q	change the display units
Ctrl+Z	undo the last command
Ctrl+I	insert a depth, heave, or tide value
Ctrl+W	zoom in on the *Graph* display / select the Zoom In tool on *Map* display
Ctrl+Y	zoom out from the *Graph* display / select the Zoom Out tool on *Map* display
Ctrl+X	zoom all on the *Graph* or *Map* display
Tide Editor shortcut keys	
Ctrl+A	add a tide value
Ctrl+D	delete the selected tide value
Depth Editor shortcut keys	
F6	select the previous edit region
F7	select the next edit region
Ctrl+M	mark the current edit region in the *Thumbnail* display
Ctrl+U	unmark the current edit region in the *Thumbnail* display
Ctrl+F8	decrease selected depth or heave value by 0.01
Ctrl+F9	increase selected depth or heave value by 0.01
Ctrl+Shift+F8	decrease selected depth or heave value by 0.1
Ctrl+Shift+F9	increase selected depth or heave value by 0.1
Ctrl+K	restore the heave or depth to the original value
Ctrl+L	apply an echo sounder latency
Ctrl+F	toggle the flag state of the selected depth or heave values
Ctrl+S	interpolate a range of depth or heave value
Ctrl+Shift+ left mouse click & drag	create a graphical selection box on graph for selecting heave or depths. Use with F5 to toggle the selection.
F5	toggle between channel 1 and 2 selected depths
Alt+left mouse click & drag	graphically change a depth or heave value
Ctrl+J	turn the *Grid* display on/off
Ctrl+P	turn the *Graph* display on/off
Ctrl+T	turn the *Thumbnail* display on/off

Trimble

HYDRO*pro* NavEdit Quick Reference Guide

Tide Editor

Use the Tide Editor to create Tide files for use in the Depth Editor.

To create a tide gauge file

1. . Select *File* / *New Tide File*.

   There are several ways to create a Tide file to use with the Depth Editor. Please note:

   - Before you enter any tide data, check the display units.
   - Confirm that the correct time frame is set in the *Global Settings* dialog. If you change it, check the settings in the *Edit Parameters* dialog again. (A coordinate position is only required when using dual tide gauges.)

To manually enter tide data

When the tide data is at a ***constant time interval***:

1. Set the fields in the *Configure* / *Edit Parameters* dialog. Once correctly set you only need to type in the tide value for each entry.
2. . Select *Edit* / *Add*.

If the tide data is of ***irregular time intervals***:

- . Select *Edit* / *Insert*. This command provides total control over the date, time, and tide for each entry.

To import tide data from a text file

Appendix D of the *NavEdit User's Guide* contains details of suitable tide text file formats.

1. Select *File* / *Import* to start the *Tide Import* wizard.
2. Click ... to locate and select the text file (ensure that in the *Open* dialog, the *Files of type* field is set to ASCII Tide Files (*.txt).) and click **Next>** to view the summary.
3. Click **Finish** to import the tide data from the text file.

To import tide data from a Navigation project

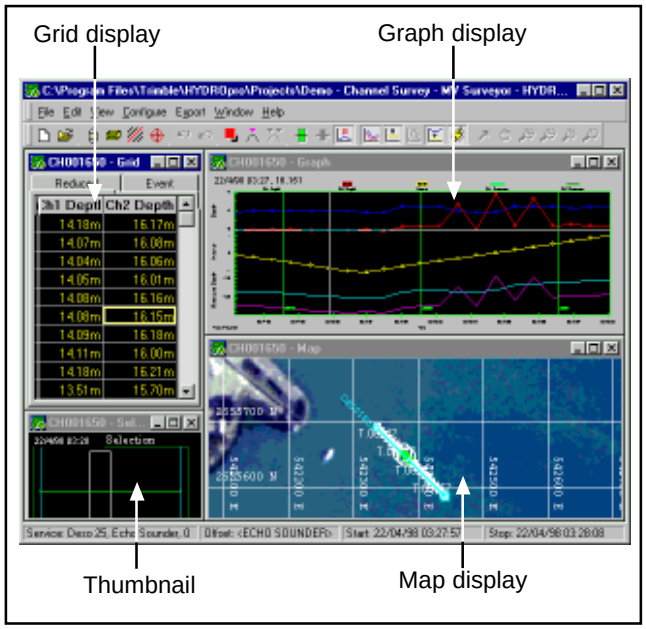
1. Select *File* / *Import* to start the *Tide Import* wizard.
2. Click ... to locate and select the Navigation project (ensure that in the *Open* dialog, the *Files of type* field is set to Nav Files Only (*.mdb)) and click **Next>**.
3. Select the required survey to extract data from and click **Next>**.
4. Select the required Tide service and click **Next>**.
5. Confirm that the summary information is correct then click **Finish** to import the tide data.

Depth Editor

Use the Depth Editor to visualize and clean depth and position related data, and to generate export files with the resultant data.

Grid Display

The following figure shows a typical Depth Editor view once you select an echo sounder, and an edit region on the *Thumbnail* display (see step 3 and step 6 opposite):



To open a Navigation project for the first time

1. . Select *File* / *Open* to locate and open the Navigation project file (ensure that in the *Open* dialog, the *Files of type* field is set to Nav Files) and click **Open**.
2. . The *Data Editor Setup* wizard begins. Select a survey and a vessel then click **Next>**.
3. . Select the echo sounder and Heave services to be displayed. You can also select Tide file(s) to be displayed and click **Next>**.

   NOTE – All fields in this dialog are optional. The Depth Editor displays information for whatever services are selected in this dialog, if available.
4. . Select the surveyed GO for which to display the data and click **Next>**.

   NOTE – The GOs are listed in the order that they were surveyed. A GO may appear more than once in the list . (A session number is attached to additional cases.)

   TIP – To display the entire survey, select <SURVEY>.
5. . Select the vessel offset for which to display the recorded positions and click **Finish**.

   Normally you will select <ECHO SOUNDER>. This offset is always the offset to which the echo sounder is assigned. The offset changes when the echo sounder equipment configuration changes.

   The *Map* and *Thumbnail* displays appear.
6. Click and drag on the *Thumbnail* display to select an "edit region".

   This opens the *Graph* and *Grid* displays. (If the displays do not appear, select them from the *View* menu.)
7. If required, rearrange the displays. Do this manually or select *Window* / *Auto Arrange*.

You are now ready to edit GOs. Use the Steer-by Selection toolbar to select the next GO:

To export data to the HYDRO*pro* Processing software

1. Select *Export* / *Export Parameters*.
2. Configure the *Export Parameters* tabs as required:
   a. *Data Selection* – Select whether depths and/or events are to be output and if any thinning is to be applied.
   b. *Reduced Levels* – Only select this option when you want to export reduced levels rather than depths.
   c. *Depth Parameters*:
      - *Raw Depth* – Depth as recorded by the Navigation software
      - *Cleaned Depth* – Depths as edited in the NavEdit software, but without any tide or heave corrections applied
      - *Reduced Depth* – Depths as edited in the NavEdit software and with any tide or heave corrections applied.

   d. *Customize* – If exporting data to a "land" database then select the negative option to make the depths negative.
3. Select *Generate* / *Export*. The *Export* wizard begins and guides you through creating the export file:
   a. *Vessel Offset* – Select the <ECHO SOUNDER> offset to export positions for the selected echo sounder.
   b. *File Format and Point Selection Method* – Select the required export file format. To export to the HYDRO*pro* Processing software, select the Transfer File export format. The other options in this step let you define the range of depths to be exported.
   c. *File Name and Summary* – Enter a name for the export file and confirm selections in the summary.