



222 Metro Center Blvd. | Warwick, RI 02886
Phone (401) 921-5170 | Fax (401) 921-5159

LIST OF NEW FEATURES INCLUDED IN VERSIONS 3.0.4.1 OR GREATER

STRATABOX DATA ACQUISITION NEW FEATURES:

1) Bottom Detection Threshold Adjustment. Select from Edit pull-down menu. The Detection Threshold value is provided to allow the user to vary the echo reply level that is recognized by the Bottom digitizing function as a valid bottom echo. The scale for Detection Threshold is 0 through 9. 0 (minimum detection) will only allow the digitizer to lock onto the strongest returns (i.e. dark colors such as red in the OCEAN pallet). 9 (maximum detection) will allow it to lock onto the weaker returns (i.e. lighter colors such as green in the OCEAN pallet). In shallow water and soft sediment survey conditions a higher value is required to consistently digitize on the bottom without saturating the first few meters of strata penetration. Recommended user default setting for Detection Threshold is 0, which should work under most conditions. Increase incrementally to 9 only as required.

2) User selectable Gate Limits. Select from Edit pull-down menu. Bottom Gate Limits are provided to help the user ensure that the data captured reflects the correct digitized bottom depth when conditions are difficult. The Stratabox is intended for use in shallow water. Unfortunately, using low frequency sonar is best for strata penetration but it also makes for significant surface reverberation and multiple echo issues. By using the Bottom Gate Limits the user can ensure that the digitizer does not lock on a transmit reverberation or a 2nd echo return. The Bottom Gate Limit values for Shallow and Deep limits are entered in the selected units (Feet or Meters) and the "Enable Gate Limits" check box allows the Gate Limits to be Enabled or Disabled. Please note they only work in manual range and gain mode (not for use in auto mode). When Manual Gate Limits are enabled their selected values will show up in the lower right corner of the screen as GLS (Gate Limit Shallow) and GLD (Gate Limit Deep). Also, once enabled if the actual bottom moves out of the selected window you will no longer be able to digitize (you will get -.- for depth). When the Gate Limits are disabled a message is displayed to alert the user that they have been disabled and should be re-checked.

3) User selectable Sound Velocity control. Select from Edit pull-down menu under "User Preferences". Select 1400-1600m/s in 1m/s increments or 4590-5250ft/s in 1 ft/s increments.

4) User selectable Transducer Draft offset. Select from Edit pull-down menu under "Configure Sonar Port".

5) Direct SEG-Y (.seg) and classic (.odc) data storage. Select via the Start Recording button. Creates a new file or files on the specified hard disk for capturing acquisition data. If the Record Format in the User Preferences menu is set to "Classic (*.odc)" then



222 Metro Center Blvd. | Warwick, RI 02886
Phone (401) 921-5170 | Fax (401) 921-5159

the data recording will start immediately if the sensor is pinging or as soon as the start ping command is sent to the sensor if it is in idle mode. If the Record Format in the User Preferences menu is set to "Classic and SEG-Y (*.odc & *.seg)" then a dialog box is presented to the user. The user can enter the desired SEG-Y Header information as described in the box. There is also a selection for a single file or multiple files. In most cases multiple files should be selected to ensure that the files are not very large in size. This helps when transferring the files to another media and also mitigates the risk of file corruption. The user can select the appropriate file size for the "new" file break to occur.

6) Direct SEG-Y Zoom data storage. Selected when SEG-Y header information is entered, the "Save a SEG-Y Zoom file" check box allows for the independent storage of Zoom data when a Zoom mode is enabled. If this box is NOT checked, only Normal data is stored when recording is enabled. The SEG-Y storage of Zoom data provides higher resolution (in proportion to the Zoom and Normal window Depth Ranges) data in the area of interest. Recording commences when the OK button is depressed in the "Record SEG-Y Header Information" window.

7) Long and Lat and depth window "mouse over display".

STRATABOX PLAYBACK NEW FEATURES:

1) Playback now supports SEG-Y formats.

2) Playback slider bar.

3) Long and Lat and Depth window cursor "mouse over display".

4) .odc to SEG-Y (.seg) file converter. Select from Tools pull-down menu.

5) .odc to SEG-Y (.seg) multi-file batch converter. Select from Tools pull-down menu. Useful for Stratabox customers who have many .odc files to convert.