



## Side Scan Survey and Side Scan Targeting and Mosaicking – What’s New

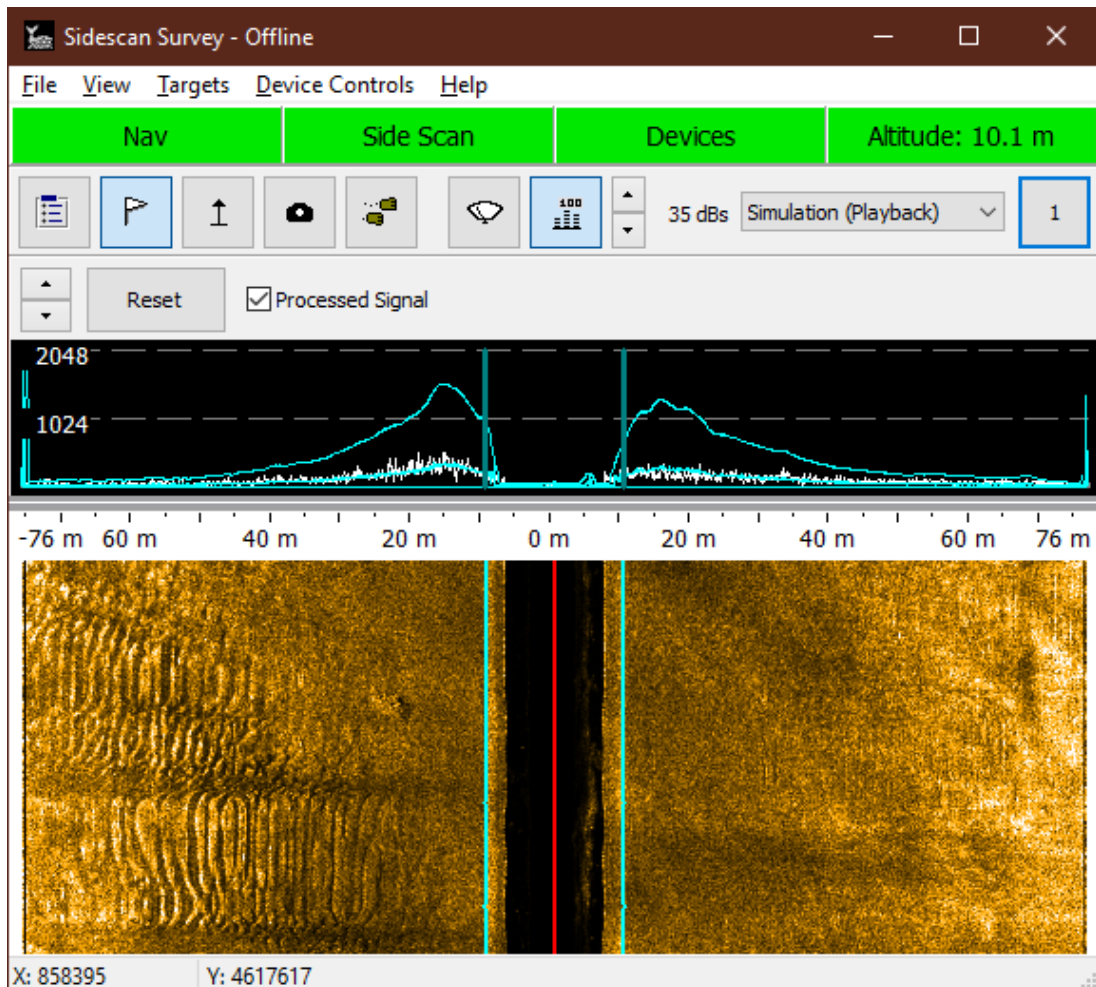
By Daniel Tobin

### SIDE SCAN SURVEY

#### INTERFACE CHANGES

Side Scan Survey has received quite a facelift, with most windows cleaned up significantly. When you resize the waterfall window, the imagery stretches or compresses to fit, rather than disappear. The signal graph in the Survey window has been improved, and the separate signal window removed.

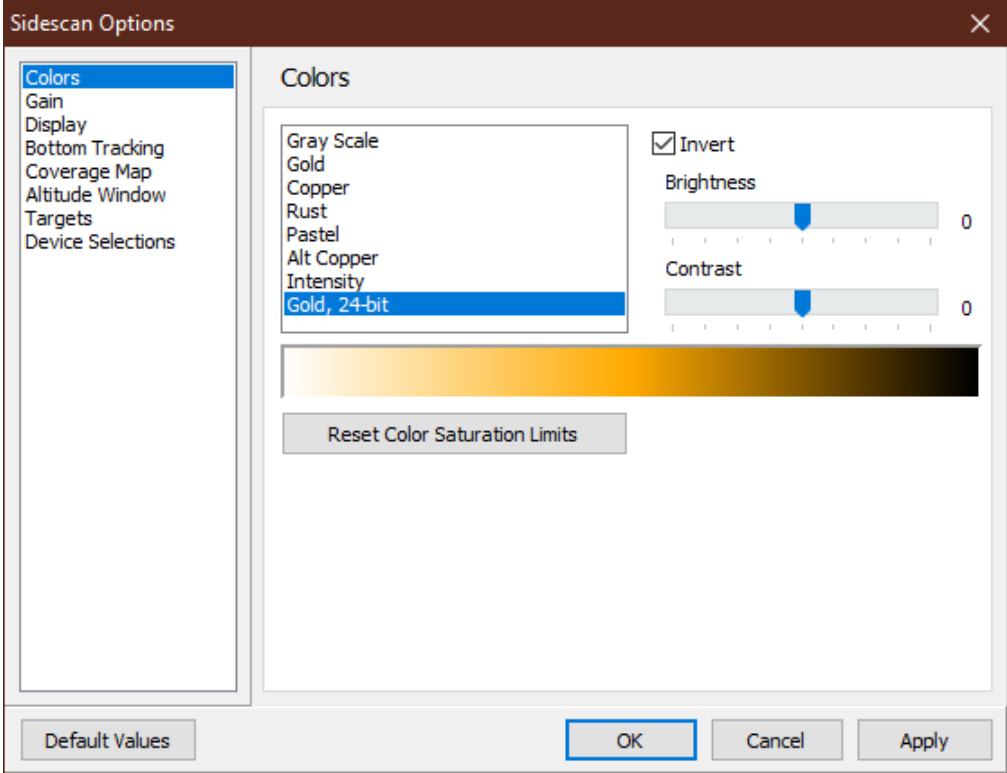
FIGURE 1. SIDE SCAN SURVEY



# MERGED CONFIGURATION DIALOGS

The “Side Scan Controls” and miscellaneous options dialogs have been merged, so all options are now easily accessible through one dialog (VIEW-SIDESCAN CONTROLS). Side scan imagery controls now appear alongside the coverage map, altitude window, target parameters, and device selections options windows.

FIGURE 2. Side Scan Controls



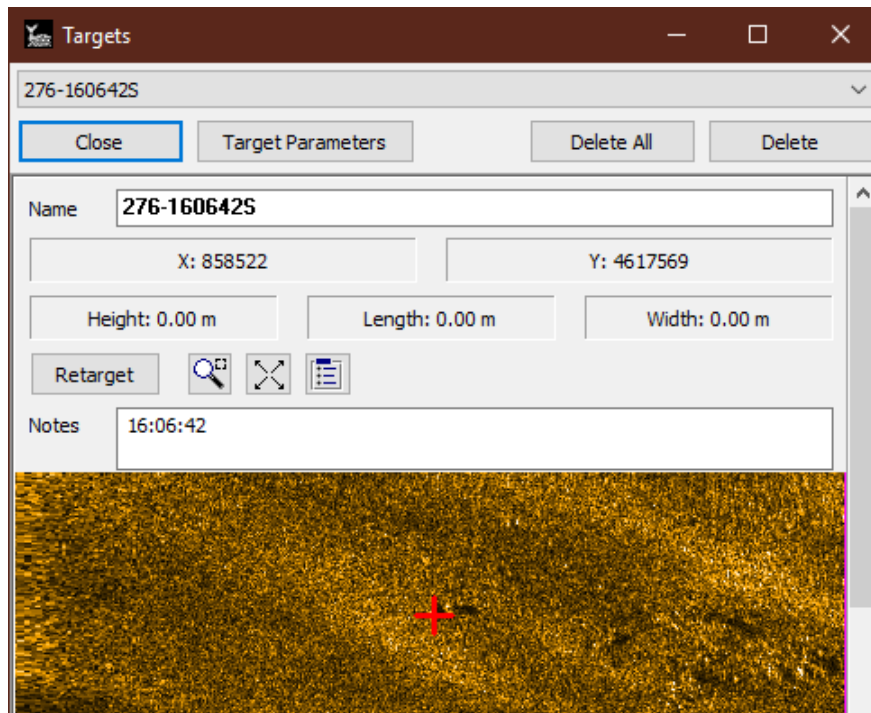
# TARGETS

Marking targets has also been improved. When you mark a target, the side scan window should continue to scroll and be responsive while the target image is rendered. You can also use the “Retarget” button to move a target that’s already been captured, and the zoom buttons to zoom in or out of an area.

- **To zoom into a user-defined area**, click the “Zoom Box” button then click-and-drag a box on the target image.
- **To return to the full target view**, click the “Zoom Extents” button.
- **To edit the colors and gain of your target**, click the “Side Scan Controls” button.

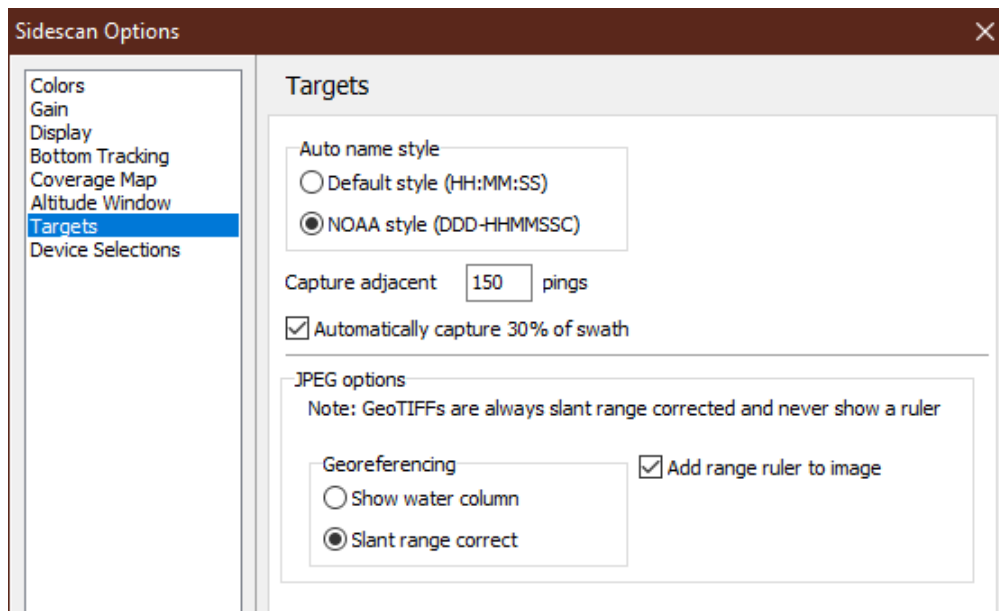


FIGURE 3. Targets Dialog



There are new options for marking targets as well. You can access the Targets dialog through the VIEW-OPTIONS menu or by clicking [Target Parameters] in the Targets window that appears when you mark a target.

FIGURE 4. Target Parameters



- There are now **two naming styles** to choose from, as we have added the NOAA format.
- **Control how much of the waterfall you capture in the image when targeting**
  - > Change the number of adjacent pings.
  - > Check “Automatically capture 30% of swath”, which affects the swath width captured.

- **The JPEG options are for JPEG images only;** they do not affect the GeoTIFFs that appear in the HYPACK® shell. The JPEGs appear in your project “SS Images” folder. GeoTIFFs are always slant range corrected and never show a ruler, but you can optionally enable slant range correction and a ruler for the JPEG images.
- **The View menu has been cleaned up.** New windows won’t endlessly fill the menu. Now, when you close a window, it will be removed from the View menu.
- **XTF files will now save towfish layback and cable out information.** This does not affect position recording.

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## SIDE SCAN TARGETING AND MOSAICKING

### MERGED CONFIGURATION DIALOGS

Side Scan TARGETING AND MOSAICKING inherits the new SIDE SCAN SURVEY Options dialog for imagery controls. Most of the options you’re used to in TARGETING AND MOSAICKING are still in the same places, but the Side Scan Controls window has been modified to resemble the Side Scan Survey Options dialog.

### FASTER SCROLLING

In Stage 2, scrolling through your data should be faster than before. The waterfall is now rendered in its own thread, so you can scroll quickly without being slowed down by rendering performance.

### TARGETS

You can now add target classifications directly from the Target Viewer or in the Targets dialog when you make a new target. When you mark a target, click the button next to the Classification ID drop-down to access the Target Comparison dialog. You can access the same dialog from the Target Viewer (TOOLS-TARGET VIEWER) in the same way.

**To add a new classification,** choose “New Classification...” from the classifications drop-down. Enter the new classification name in the window that appears and click [OK].

**FIGURE 5.** Opening the Target Comparison Dialog—Targets Dialog (left) or Target Viewer (right)

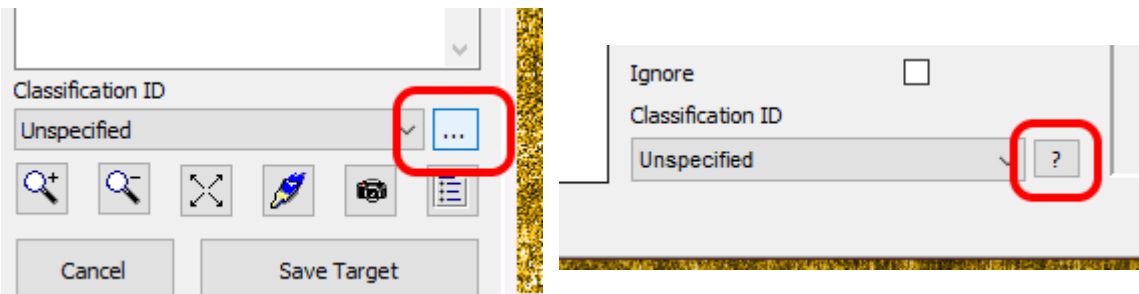
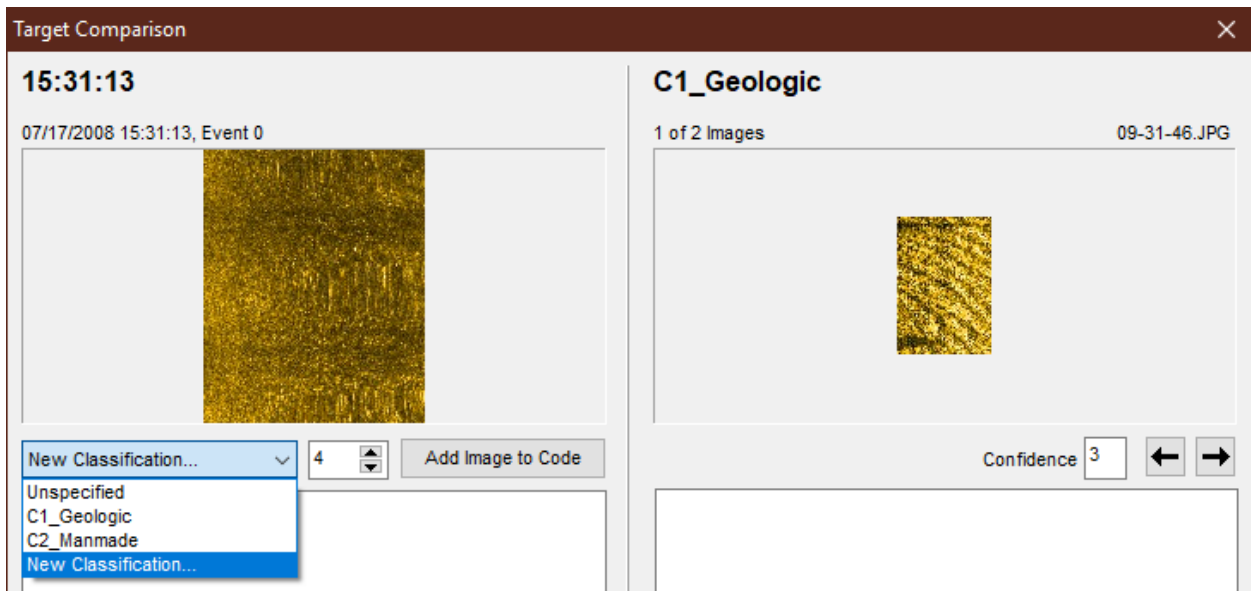


FIGURE 6. Apply Target Classification in the Target Comparison Dialog



## STAGE 3

FIGURE 7. Stage 3 Panel

In Stage 3, [Make Mosaic] and a few other options are now always visible across tabs. If you have dual-frequency data, remember to have a look at the “Multiple Frequencies” tab.

## IMPROVED XTF SUPPORT

Finally, this September 2019 version loads more data from XTF files. Layback, cable out, pressure, fish depth, water temperature, sound velocity, pitch, and roll are now all visible in the Spreadsheet window in Stage 2 (VIEW-SPREADSHEET). Right-click in the table headings to configure your columns.

