



TRITON
IMAGING®, INC

Triton Mosaic Basic™

Processing and mosaicking software for sidescan sonar data

Triton's Mosaic Basic™ provides baseline capabilities for the processing and mosaicking of sidescan sonar data. Raw data are reviewed and processed through Triton's Isis SS-Logger application. Mosaicked imagery for each file may be interactively shifted both in an along-track and across-track direction, thus allowing easy matching of features on adjacent lines. Final data output is GeoTiff. The modularity of the software suite ensures compliance with any survey budget and enables expansion as survey capabilities grow. Triton's commitment to implementing state-of-the-art processing techniques ensures a long life cycle for the products. Ease of set-up, intuitiveness of use, and a full-featured upgrade path for all current and future Triton technology makes the Mosaic Basic package a sound investment for any survey organization.

Components

- Triton Isis SS-Logger - raw sidescan data review and processing.
- Triton Mosaic - mosaicked imagery display, manipulation, and export.

Capabilities

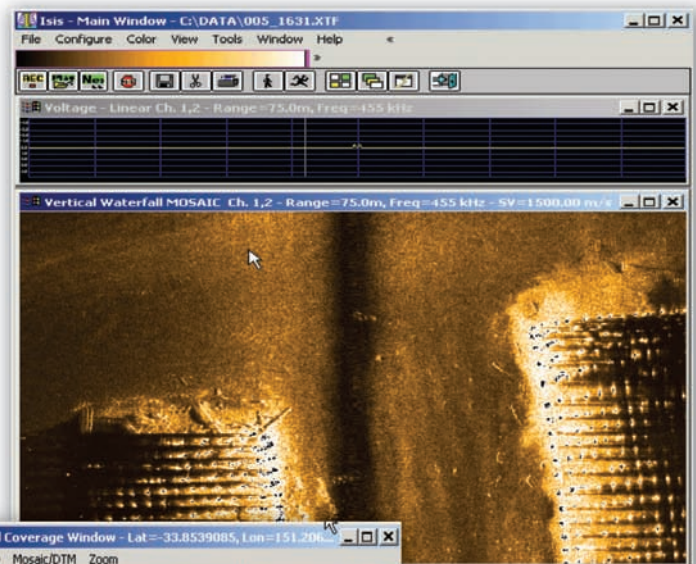
- Playback of any XTF file containing sidescan sonar imagery.
- Image processing including TVG, bottom tracking, slant range correction, beam angle correction, grazing angle correction, speed correction, and sound velocity correction.
- Navigation filtering.
- Interactive shifting of mosaicked imagery for feature matching.
- A variety of display options (cover up, maximum / minimum / average value).

Data Products

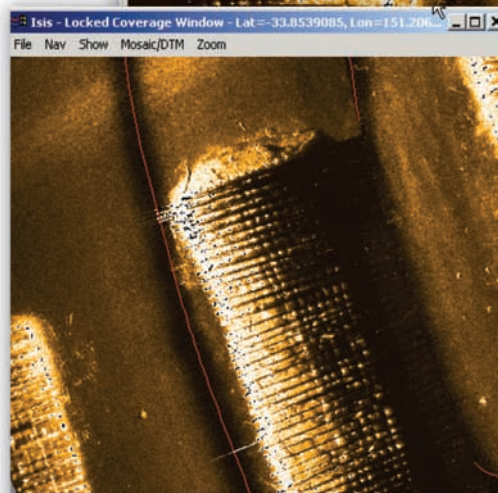
- GeoTIFF files of mosaicked imagery
- ASCII file of filtered navigation

Optional Modules

- Triton TargetPro - advanced feature capture and measurement tool.
- Triton ASCII Report - information extraction tool for XTF files.
- Triton Nav-X - advanced navigation editing and filtering tool for XTF and SEG-Y files.
- Full upgrade path to Triton's other software modules for bathymetry and subbottom profiler / seismic data processing.
- Full upgrade path to support data acquisition and real-time processing.



Triton Isis SS-Logger showing raw sidescan sonar imagery



Triton Coverage window with mosaicked imagery

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