



## **RELEASE NOTES**

**NAVIEDIT 9.2.1**

Last update: 09/03/2026  
Version: 9.2.1

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# 1 Release notes NaviEdit 9.2

NaviEdit 9.2 is a major release from January 2026 and remains backwards compatible with previous versions of NaviEdit.

Check **Help > Release Notes** in the NaviEdit software for additional images and information. This document includes a full release history of NaviEdit 9.X – the releases are listed from most recent to first release.

## 1.1 Formatting conventions

Items formatted in **bold** are properties, buttons or other elements in the NaviEdit software.

Numbers in [ ] refer to Freshdesk support tickets (FD) or EIVA internal Devops (DO) tickets. Refer to these for details.

## 1.2 Included software updates and compatibility

NaviEdit 9.2 introduces 64-bit compatibility and additional activation compatibility:

- NaviEdit is now a 64-bit application, allowing for opening of larger files.
- Licence Activator (Product version: 2.1.10) has been added.
- The WibuKey Setup version 6.51 has been updated to version 6.70 as of 2024 September 04 (Build 6536).

## 1.3 Database version and requirements

NaviEdit can connect to either SQL Server 2008 R2, SQL Server 2012, SQL Server 2014, SQL Server 2016, SQL Server 2017, SQL Server 2019 and SQL Server 2022.

NaviEdit is compatible with the Microsoft SQL Server 2025.

The Microsoft SQL Server 2022 Express version is included in the full NaviEdit installer. At the same time, the ODBC Driver is upgraded from version 17 to version 18.

This SQL Server requires Windows 10 64-bit or higher.

The External Sync application which enables the NaviEdit DataEditor to synchronise with Visual Works has been disabled.

The deprecated *fast database upgrade* option from a NaviEdit 7.0.2.6 to 8.0.0.0 database has also been removed.

## 2 Patch History

### 2.1 Patch 9.2.1 – February 2026

- Fixed an issue with a multi-vessel setup in NaviScan SBD files, where an empty absolute offset entry in the **Header Editor** was not created. [D-13872] [F-79816]
- Fixed an issue where the **Job Planner** could crash when trying to connect to a non-local database. This issue was caused by a missing OLE DB Driver. [D-12312] [F-79829]
- Fixed a crash in the **Point Editor** when using the **Region eraser** tool. [D-12819] [F-78860]
- Fixed an issue with the import of Kongsberg KMALL files for sub-surface surveys. The depth was not imported correctly. [D-11052]
- Fixed an issue with the import of Kongsberg KMALL files when two GNSS sensors are present. Now each of the GNSS sensors gets a zero-valued bathy to enable recalculation. The last bathy sequence is used to hold the water level reference point from the MRZ ping info telegram. [D-11052]

## 3 New features

- **Export of continuous sound velocity measurements at the sonar head**  
NaviEdit now supports exporting continuous sound velocity (SV) measurements collected at the sonar head during MBES surveys. Users can export this information as a Sound Velocity Track. (DO-10207); (FD-76357)

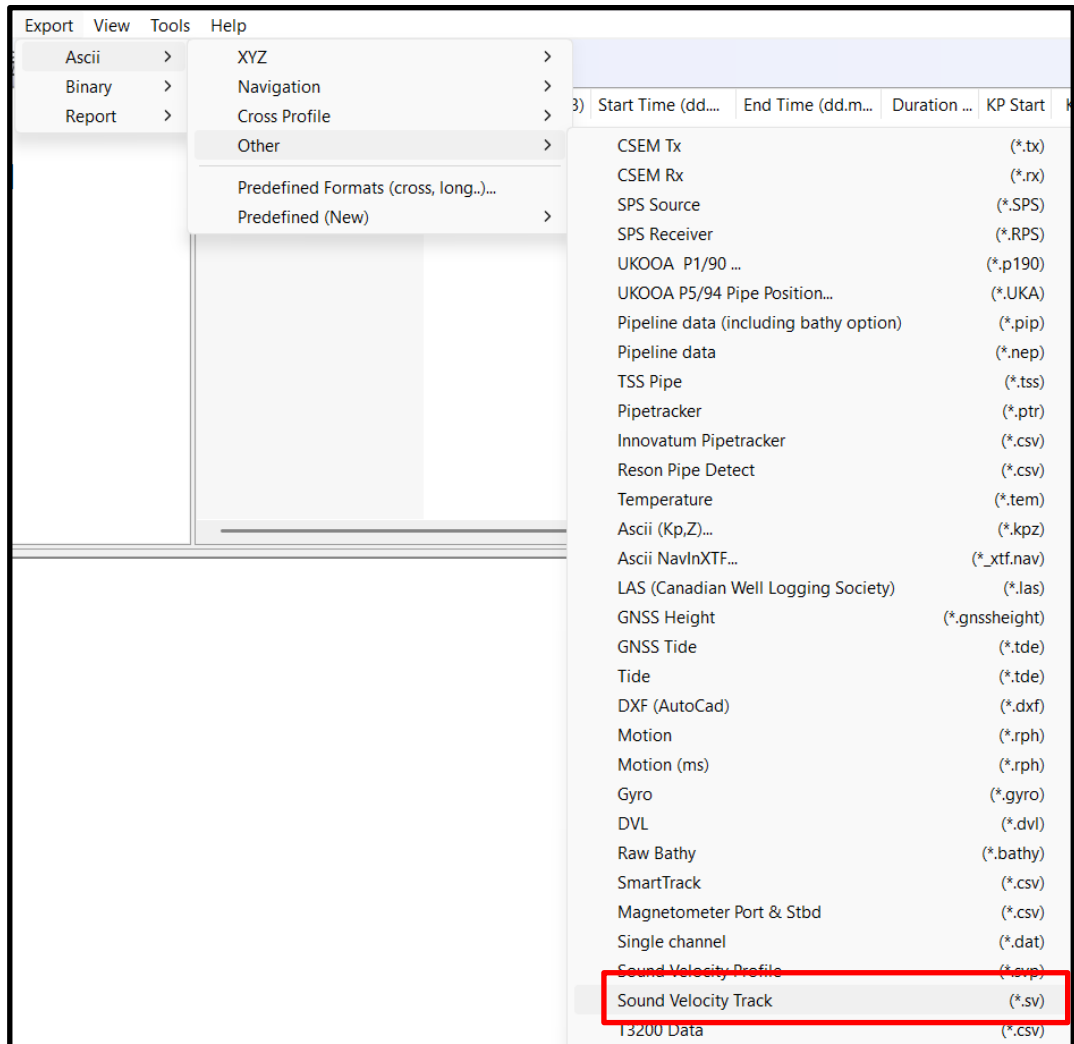


Figure 1 Export Sound Velocity Track

- **New INS merge importer**

A new INS merge importer has been added, allowing INS data to be merged from CSV files containing Time, Latitude, Longitude, Depth, Roll, Pitch, and Heading columns. The Time field supports both UNIX time and the format *YYYY-MM-DD HH:MM:SS.sss*. (DO-10635)

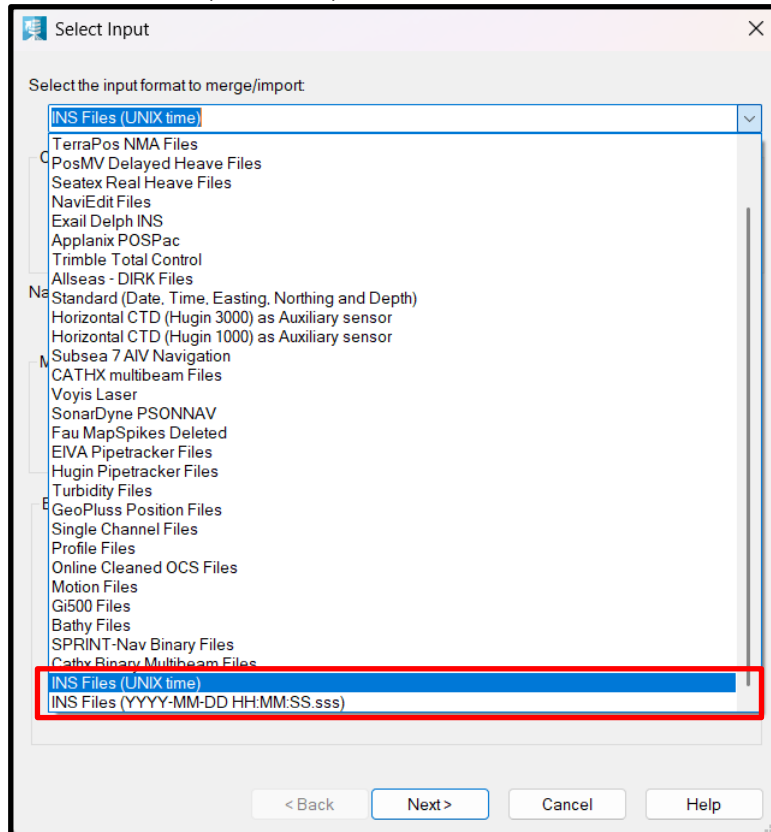


Figure 2 New INS merge importer

- **LAS File Import – New single-header support**

Until now, NaviEdit could only import LAS files where the LAS header is repeated after each scan (*concatenated LAS files*) and all points/beams after a header share the same (adjusted) GPS Time. Now, NaviEdit can also import LAS files with a single header, where each point/beam has a designated time. Whenever the time changes, a new scan is created for these beams, with a maximum of 12,000 points per scan.

## 4 Major changes

- **Compatibility with Microsoft SQL Server 2025**  
NaviEdit has been tested and confirmed to be compatible with Microsoft SQL Server 2025.
- **Improved Processing of HISAS KMALL Data**  
The import of HISAS KMALL data using the Kongsberg XYZ format has been improved by enforcing the disabling of the **Skip scan without motion** option. This change is applied internally during import and does not affect the import wizard interface, ensuring correct data processing without requiring user interaction. (DO-9095); (FD-75616)
- **Applanix POSPac INS Merger Time Options**  
Added the option for the Applanix POSPac INS merger to accept time formats of either time since start of week or time since start of day. (DO-10634)

## 5 Bug fixes and minor improvements

- Fixed: Missing import of runlines. This bug also affected the calculation of KPs as now runlines can be loaded correctly. (DO-11053); (FD-77353)
- Fixed: The import of LAS files. The main issue addressed was the option to read a variable number of beams in concatenated LAS files.
- Fixed: Merging a motion file with an SBD would fail; missing parts are now interpolated as needed. (DO-10026)
- Fixed: Merging a SonarDyne PSONNAV (ASC) file did not display the associated depth sensor in the header editor. The fix ensures the depth sensor is now correctly shown. (DO-10238); (FD-76365)
- Fixed: Exporting to Visualsoft (XLS) did not respect the **sort by KP** and **export every n meters** settings. The export now correctly follows the number of meters specified. (DO-11834); (FD-78065)
- Fixed: Importing .S7K files displayed an incorrect start time, resulting in large apparent latency. The import now correctly shows the actual start date and time, ensuring the data is displayed accurately. (DO-12247); (FD-78492)
- Fixed: Header Editor could open a non-active database, potentially allowing edits in the wrong database. Now, for non-default databases, users can only launch the JobPlanner to switch the active database. For databases equivalent to the active one, users can open the JobPlanner, Header Editor, and Data Editor as expected. (DO-13387)
- Fixed: Data recorded with Norbit MBES and the yaw stabilisation feature enabled was misinterpreted. Processed data now aligns with Beamworx and Qimera, ensuring outer beams are correctly positioned. (DO-13262); (FD-79226)
- Fixed: Import wizard did not display both **Select File** tabs in the NavLab importer. (DO-10633)
- Fixed: Roll and pitch compensation could be applied incorrectly when importing SBD files in a multi-vessel configuration. Compensation is now only applied to the relevant vessel. (DO-10911)

## 6 Known limitations

### **Remote SQL not working in NaviEdit versions 9.0 through 9.2.0. [D-12312]**

A defect in the Microsoft OLE DB Driver may prevent NaviEdit from working with Remote SQL in NaviEdit versions 9.0 through 9.2.0.

#### **Affected versions:**

NaviEdit 9.0, 9.1, 9.2.0

#### **Resolved in:**

NaviEdit 9.2.1

#### **Workaround:**

Install Microsoft OLE DB Driver version 18.7.5.0 or later from:  
<https://go.microsoft.com/fwlink/?linkid=2318002>

## 7 Release history

### 7.1 NaviEdit 9.1 – August 2025

#### 7.1.1 New features

- **Enhanced Authentication Options**

NaviEdit now supports both SQL Server Authentication and Integrated Windows Authentication. While previous versions supported only Integrated Windows Authentication, the addition of SQL Server Authentication offers greater flexibility, particularly when running NaviEdit in cloud-based environments. To access the authentication options dialog, uncheck the **Open default** entry under **JobPlanner > File > Database**. Then, close and reopen NaviEdit JobPlanner for the dialog to appear.

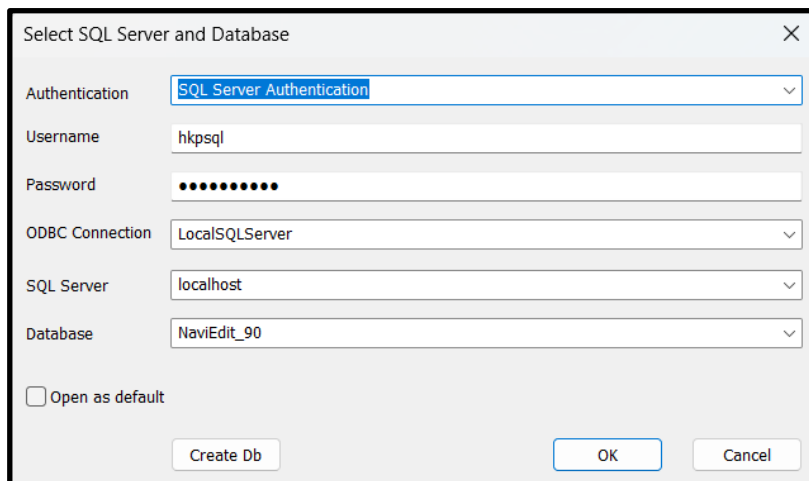


Figure 3 Dialog for selecting SQL Server Authentication or Integrated Windows Authentication

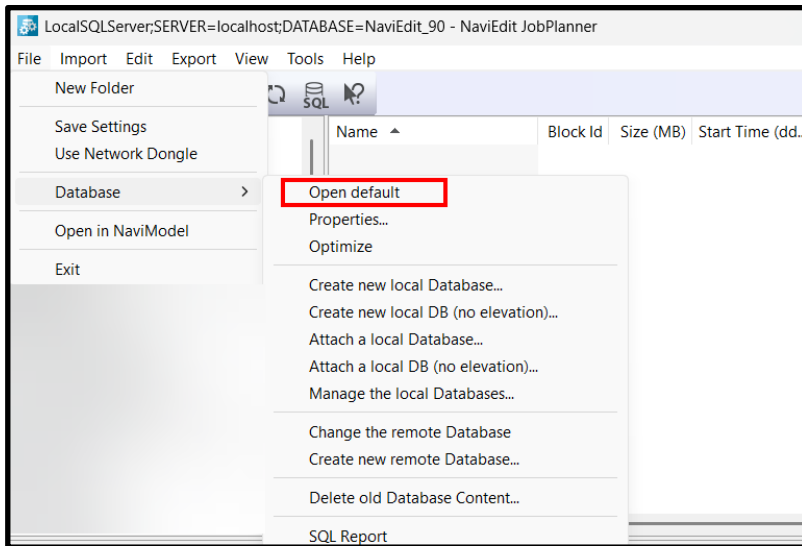


Figure 4 Open default option

- **Remote Database Creation**

Added the option to create a new database on a remote computer.

**Note:** The database will be created in the default location defined in SQL Server Management Studio. Custom location selection is not available.

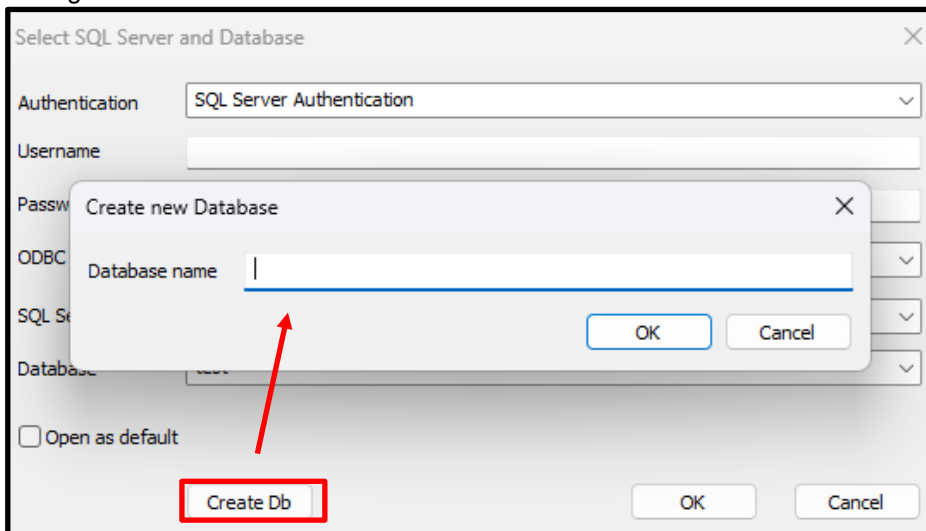


Figure 5 Create new database

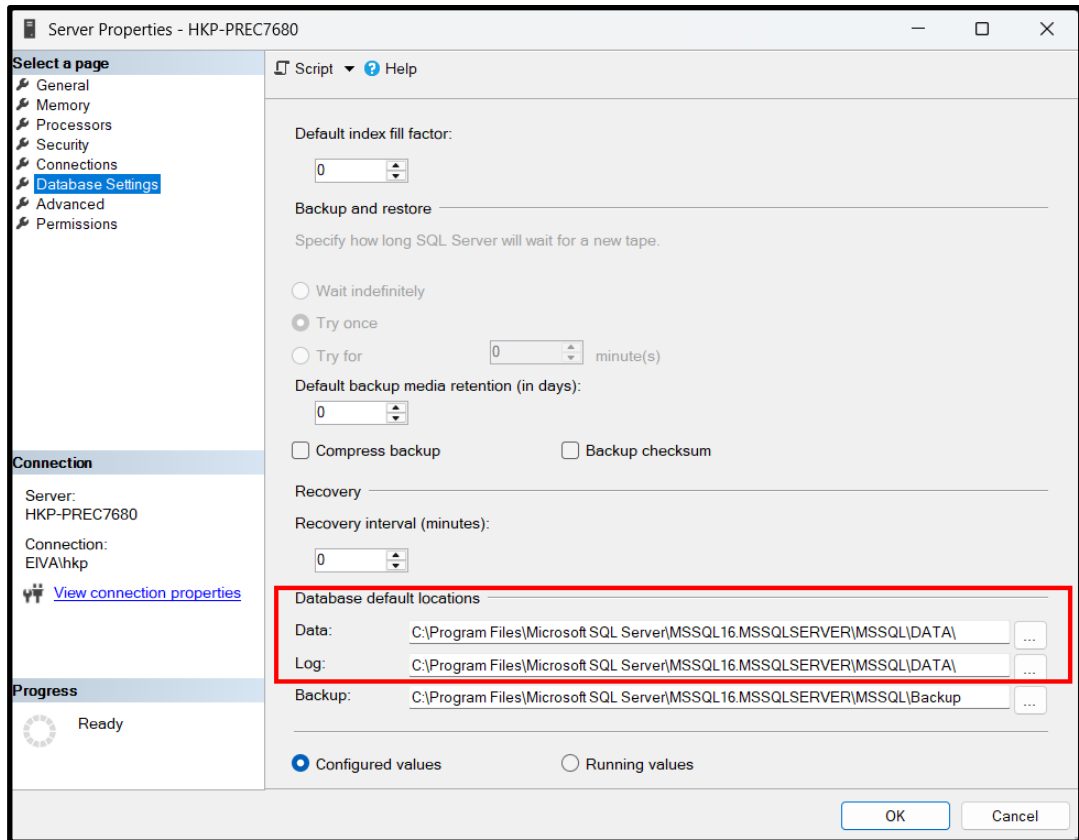


Figure 6 Database default location specified in the SQL Server Management Studio

- **Norbit Rotator Unit**

Added support for the Norbit Rotator Unit, which can apply a time varying heading to the sonar head. The rotator values can be seen in the Data Editor.

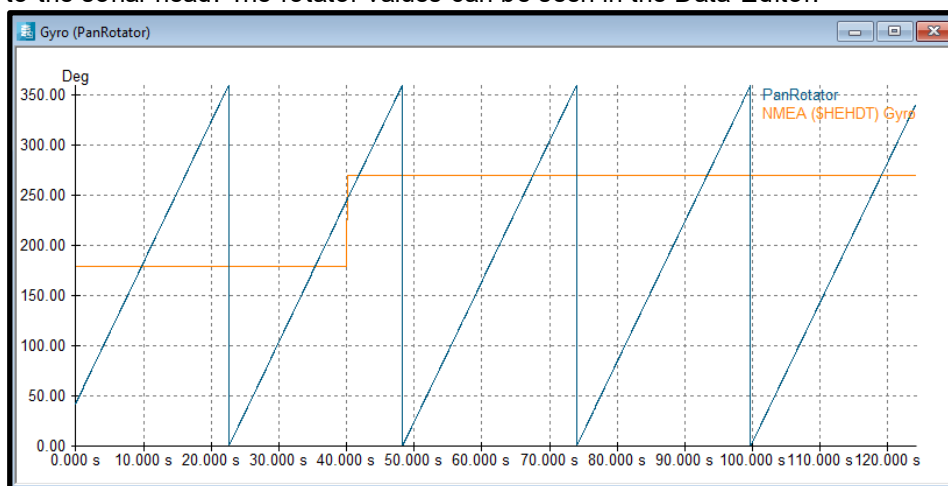


Figure 7 Rotator Values

- Added an option in the Kongsberg KMALL importer to import heave values marked as invalid.

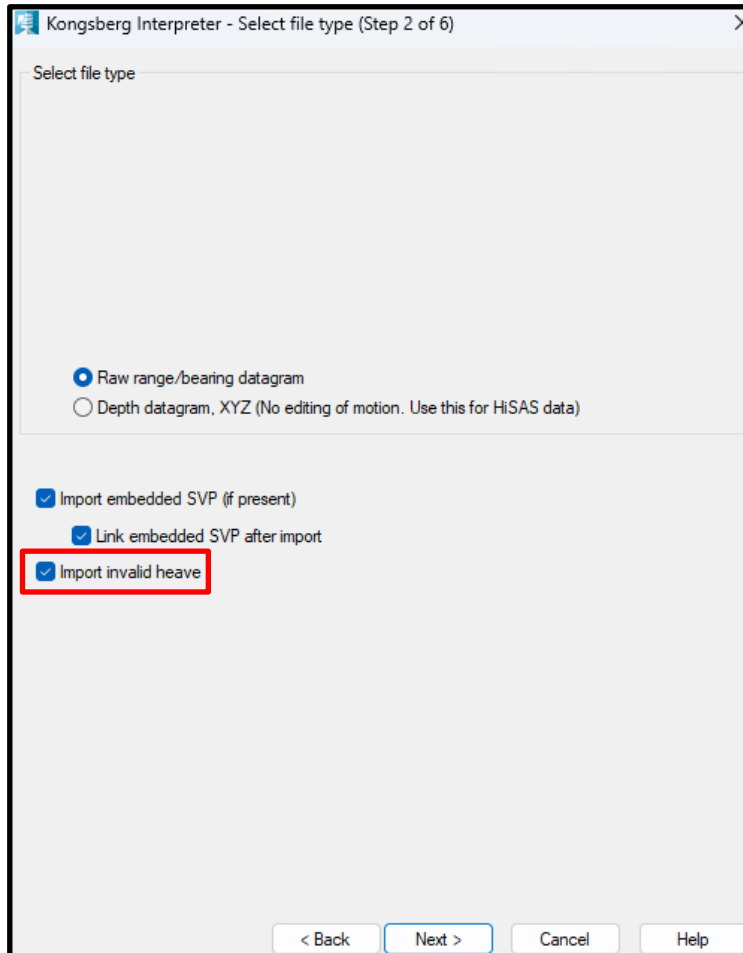


Figure 8 Import invalid heave for KMALL files

### 7.1.2 Bug fixes and minor improvements

- The single beam entry on the **Instruments** tab of the **Header Editor** has been renamed to *Single channel*.
- Fixed an issue where no database was attached on a new installation if the installation path included a space character
- Fixed missing temperature in the temperature exporter for some newer auxiliary sensors
- Fixed an issue in the GSF export where the mapping of sidescan and multibeam channels could fail
- Fixed an issue for some exporters which could end prematurely if a complete scan was deleted
- Fixed an issue where Navlab files could fail to merge

### 7.1.3 Known limitations

No known limitations with this release.

## 7.2 NaviEdit 9.0.1 – May 2025

- Fixed defect with Load EPSG system not being started [FD-74838][DO-8441]

## 7.3 NaviEdit 9.0 – April 2025

### 7.3.1 New features

- Added a suggested UTM zone when importing NaviScan SBD files, Kongsberg ALL and KMALL files, Imagenex and XTF files.

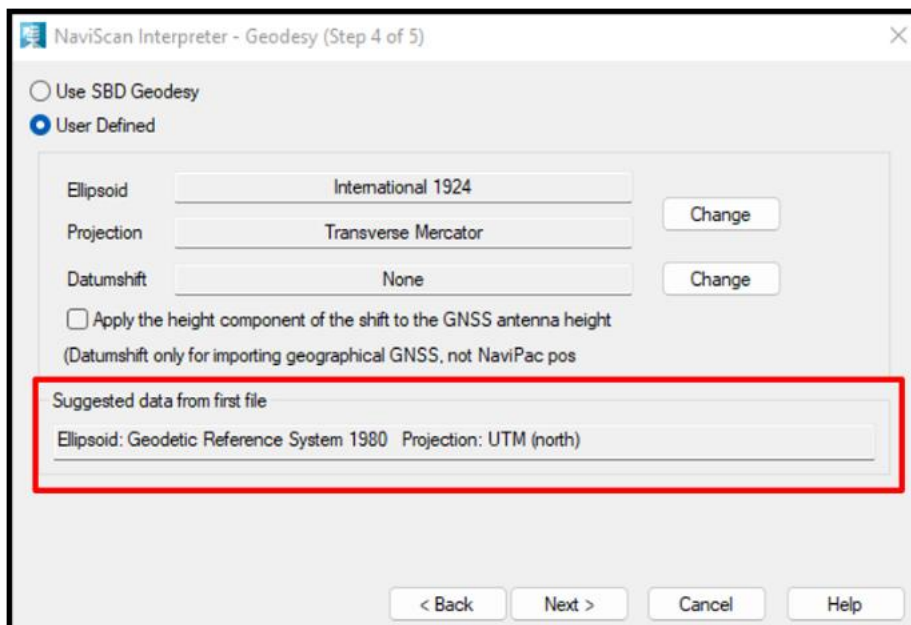


Figure 1 NaviScan Interpreter: Suggested data from first file

Added support for the new NaviScan multi-vessel setup. NaviEdit can now read NaviScan SBD files with multi-vessel logging. Each vessel logged in the SBD file will become one NaviEdit block.

Name	Block Id	Size (MB)	Start Time (dd...	End Time (dd.m...	Duration ...	KP Start	KP End	Header	Navigation	Multibeam	Roll	Pitch	Heave	Gyro	Bathy
J263N004_Vessel0	378	2.15	19.09.24 16:15:39	19.09.24 16:17:21	00:01:42	0.0000	0.0000	OK	OK	OK	OK	OK	OK	OK	OK
J263N004_Vessel1	379	3.25	19.09.24 16:15:39	19.09.24 16:17:21	00:01:42	0.0000	0.0000	OK	OK	OK	OK	OK	OK	OK	OK
J263N004_Vessel5	380	10.37	19.09.24 16:15:39	19.09.24 16:17:21	00:01:42	0.0000	0.0000	OK	OK	OK	NA	NA	NA	OK	OK

Figure 2 NaviScan SBD files with multi-vessel logging

When using the **NaviScan Interpreter**, the option has been added to **Apply the height component of a datum shift** during import of NaviScan SBD files and Kongsberg ALL and KMALL files.

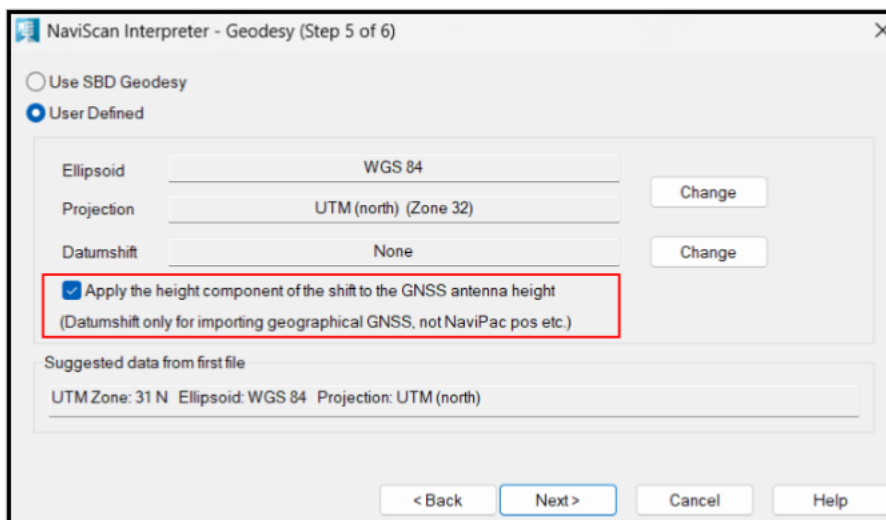


Figure 3 Apply height component of the shift to the GNSS antenna height

When using the **Redo/Adjust Beam Forming** function, you now have the option to choose between a manual input value, a single beam channel or an auxiliary channel.

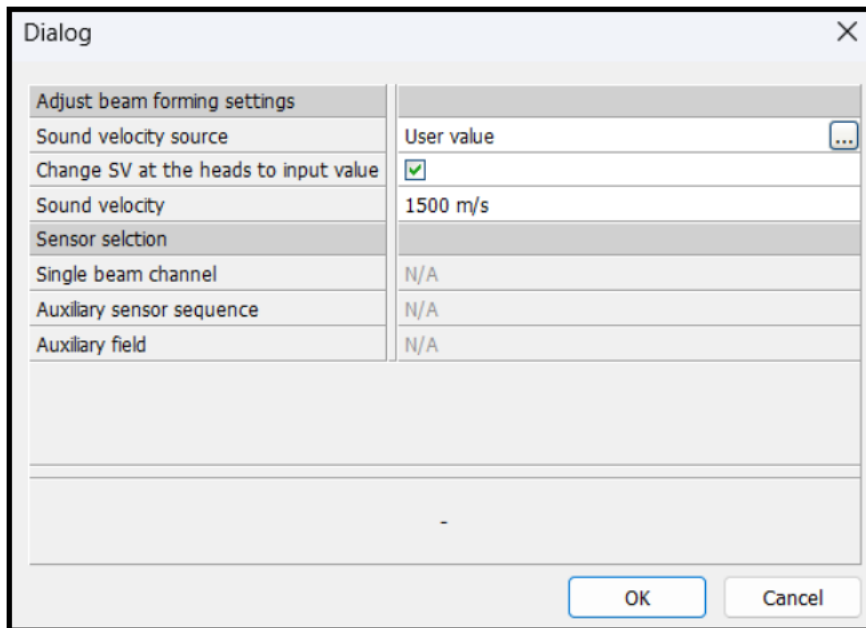


Figure 4 Adjust beam forming settings

### 7.3.2 Major improvements

- **Improved the import of XTF files:**  
Part of the XTF header is shown during import.
- **XTF Sidescan / backscatter export:**  
The user can now export binary XTF from **NaviEdit > Export > Binary XTF**. It allows different options, eg **Sidescan Low Resolution** (from the MBE, depth scanning beams) and **Sidescan High Resolution** (from an actual sidescan instrument / sub instrument specific for backscatter).
- **Recalc Bathy Ocean Settings:**  
Added new methods for recalculation of bathy data: TEOS10, Average Density and Average Density Harmonic. Already existing methods have been labelled with the corresponding IOGP codes where applicable.
- Added the option to check for gaps in the source merge file when merging files
- Added the option to choose the number of decimals in some of the exporters for heading and motion
- Added merge of binary Cathx files
- LAS import added the option to scale the z value
- GSF Export: Added the option to choose between 2- or 4-byte export. 2-byte will have lesser precision, but be smaller in size

### 7.3.3 Bug fixes and minor improvements

- Fixed: The Licence Activator could crash on very first run.
- Fixed: If the online sound velocity was NaN (not a number) NaviEdit refused to import. Now the sound velocity is set to 1500 m/s.
- Fixed: Now warns if selected Geoid file does not exist.
- Fixed: Missing import of Pitch, Heading and Intensity for Imagenex files.
- Fixed: When merging or importing a Janus file from a folder with a date in it, merging failed. Janus depends on having a file name in the form *abcd-YYYYMMDDhhmmss.ext* to get the date, as the date is not inside the Janus file.
- Fixed: Now refuses to import SBD data with a zero absolute time as these incorrectly time-stamped data could roll back the complete file import.
- Added: Hypack HSX import also imports the GNSS Height.
- Added: Option to set the water line for import of Reson S7K files.
- Fixed: **Visualise SVP Corrections** failed to work on GSF files if they were exported as across / along distance only (missing range and bearing).
- Fixed: JSF import no longer scales backscatter with the amplitude scale factor if it is 0.
- Fixed: Multibeam import correcting importSVP and linkSVP where linkSVP did not respect a *no* if importSVP was *yes*.
- Fixed: KMALL import failed to import frequency.
- Fixed: GapHandling now allows same start time of previous block to handle very small KMALL blocks.

### 7.3.4 Workflow Manager improvements

- Added: Import of Imagenex files
- Fixed: Kongsberg GapHandling did not handle multiple databases properly
- Added: Workflow Manager version of **Merge Position Files** gap checking with help of the last two attributes
- Added: NaviEdit BlockSettingsTask gyro parameters:  
XML attribute: `– /NaviEditTask/BlockSettings/Options/@gyroParameters (0, 1, 2)`
- Added: Option to scale the z value of LAS import:  
XML attribute `– /NaviEditTask/LasInterpreter/Settings/@invertZ`

### 7.3.5 Known limitations

No known limitations with this release.