

Janus Software 1.8.2.291 Release Notes

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1.8.2.291

This Janus software release is a small update on the v1.8.1.207 release.

Features and bug fixes

- Viewing of NTP time sync diagnostics
- Viewing of battery BIST information
- Allow a user to post process and analyse 3D GPS data in Geoid/Ellipsoid and create related output files
- Processing of an external pressure sensor as a vertical aiding reference
- XVEL (External velocity input) support
- Name change of remote USBL to be USBL
- Add UTC to plots
- Add map to trajectory plotting
- Support for snap positioning
- Remove Terrapos Processing support
- Provide plots for Temperature as measured by: Pressure, PRT and CPU
- Add GPS vertical quality to 'Change configuration' UI
- Optimisations to AHRS processing

Previous version history

1.8.1.207

- Support for SPRINT-Nav DP
- Support for SPRINT-Nav U
- Option to use GNSS height (ellipsoidal or geoidal) for vertical aiding
- Option to use external or internal pressure depth for INS aiding
- NTP time source displayed in time system plot
- Export function allows processing of data with remote point
- Janus Command Line Interface
- Use raw pressure instead of Depth conversion from Fusion 2
- Latent USBL Improvements
- AHRS processing improvements
- Solution name added to plot title bars
- Enable 1 manual rejection plot at a time

1.6.1.14

PPR Number	Summary
23424	Plot IMU / inertial Sensor Temperature
34280	DVL ASONDV timing improvements for ultra-low mode
34312	ASONDV TOV Calculations
34313	DVL TRIG time changed to time of acoustic transmit
34315	Real-time vs Raw heading plot improvements
34321	Time system PPS Plot fixed to show correct trigger edge
34325	Extraction tool fixed to correctly recognise SPRINT(-Nav) and SPRINT-Nav Mini logfiles
34326	Janus IMU Gap detection improved
34369	Improved file handling speed

1.6.0.37

PPR Number	Summary
34218	Change Aiding sensor tab to Sensors.
34236	Support Valeport SV, T+SV and P+T+SV message formats in m/s.
34239 & 34244	Add message extractor to Janus for SPRINT-Nav Mini data.
34243 & 34246	Support for SPRINT-Nav Mini and data.
34245 & 34247	Support for SPRINT-Nav Mini BIST and system configuration.
34248	Janus improvements when importing GPS data with duplicate time stamps.
34250	Support latest security dongle and drivers.
34285	Improved time system diagnostics plots.
34301	Support UTC time-tag in PSONLOBS message.

Software/Hardware Compatibility

The following instrument firmware and software versions have been tested with this software version. As a minimum, these firmware versions must be installed in each component when used with this version:

Instrument / Software	Firmware / Software Version
SPRINT-Nav DP	1.00.00.1889
SPRINT-Nav U	1.00.00.345
SPRINT & SPRINT-Nav	3.07.00.2139
SPRINT-Nav Mini	1.3.641
SPRINT Software	1.5.3.480 (or later)
Fusion 2	2.05.06
Lodestar Data Extraction Tool	1.01.01.126
Messaging Extractor	1.02.00.211

System Requirements

Sonardyne Marine Computer is highly recommended.

The following hardware requirements should be used as a guideline if the software is to be installed on a computer other than the Sonardyne supplied Marine Computer:

Hardware Requirements
OS - Windows 11
i7 2.8GHz processor
16 GB RAM
17" Monitor
Graphics card 32-bit colour, minimum 1280 x 1024, Direct-X V10 or later
320 GB SSD or hard disk

Contact Information

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