

JPS4RIN Version 0.0.18a

Release Notes

August 31, 2026

JPS4RIN version 0.0.18a is an incremental release to add SBAS support.

JPS4RIN v0.0.18a

New Features

- Added SBAS support.
- Added Linux support

Updated Features

- n/a

Bugs Fixed

- n/a

Previous Releases

JPS4RIN v0.0.17a

New Features

- n/a

Updated Features

- n/a

Bugs Fixed

- Fix version information to generate MO and MN file headers.
- Fix GPS observation type declarations in MO files to match the actual number and order of observation values written in data records.
- Fix missing delimiter space between BeiDou satellite PRN and navigation message type in MN ION records.
- Fix invalid BeiDou ION records where uninitialized floating-point values could be written to MN files
- Fix validation of BeiDou ION data records to prevent incomplete or invalid ionospheric correction data from being written.

JPS4RIN v0.0.16a

New Features

- n/a

Updated Features

- n/a

Bugs Fixed

- Fix the first epoch initialization.
- Use “e” instead of “d” for floating-point values.

JPS4RIN v0.0.14a

New Features

- Use “e” instead of “d” for floating-point values.
- Add support for the GLCDMA L3 signal.

Updated Features

- n/a

Bugs Fixed

- Fix the satellite counter for observation epochs.
- Fix system codes in ionospheric correction and time system correction messages for separated navigation files.
- Fix the date and time in generated MO file names to reflect the observation start time.
- Fix generated file names where the “.jps” extension was not removed.

JPS4RIN v0.0.12a

New Features

- n/a

Updated Features

- n/a

Bugs Fixed

- Fixed alignment in the observation file header.

JPS4RIN v0.0.11a

New Features

- Added support for QZSS satellites.
- Added support for long RINEX filenames for RINEX version 4.00 and later.
Added navigation file separation for RINEX version 4.00 and later.
- Added file thinnix1ng with a manual parameter to output RINEX files at a user-defined interval.
- Added support for QZSS satellites.
- Added support for long RINEX filenames for RINEX version 4.00 and later.
- Added navigation file separation for RINEX version 4.00 and later.
- Added file thinning with a manual parameter to output RINEX files at a user-defined interval.

Updated Features

- n/a

Bugs Fixed

- n/a

JPS4RIN v0.0.10a

New Features

- n/a

Updated Features

- n/a

Bugs Fixed

- Fixed exception with long file.

JPS4RIN v0.0.9a

New Features

- n/a

Updated Features

- n/a

Bugs Fixed

- Fixed issue with computing epoch interval.

JPS4RIN v0.0.8a

New Features

- n/a

Updated Features

- n/a

Bugs Fixed

- Fixed decoder for IQ messages and for [pg] message.

JPS4RIN v0.0.2a

New Features

- Support for RINEX format versions 3.05, 4.00 and 4.01 for GPS CNAV/CNAV2 ephemeris, support of GALILEO, GLONASS signals and ephemeris.

Updated Features

- n/a

Bugs Fixed

- n/a

JPS4RIN v0.0.1a

New Features

- Support for converting JAVAD binary files with “.jps” extension to Rinex format.
- Support for RINEX format versions 3.05, 4.00 and 4.01 for GPS and NavIC systems for all available signals and LNAV ephemeris.

Updated Features

- n/a

Bugs Fixed

- n/a

