

**BETA Release: OPUS-S upgraded to support multi-GNSS**  
NOAA's National Ocean Service sent this bulletin at 01/26/2024 04:17 PM EST

Having trouble viewing this email? [View it as a Web page.](#)



**Now processing GLONASS, Galileo, Beidou, and QZSS in addition to GPS!**

OPUS-S 5.0 (Beta) is the first major update to OPUS-S in years. The key improvement is support for multi-GNSS. By replacing the PAGES engine with **M-PAGES**, OPUS-S 5.0 (Beta) is capable of processing static baselines with data from multiple constellations via the submission of RINEX v3.xx files (with slightly limited functionality for RINEX v2.xx submissions). Another significant improvement is the inclusion of a new, daily CORS-quality metric in the algorithm used to select base stations.

Summary of new features:

- support for multi-GNSS (M-PAGES replaces PAGES)
- enhanced CORS-selection algorithm
- enhanced best 3-of-5 baselines algorithm
- direct support for RINEX v3
- new summary header in solution report

**Upload your data file.**

Solve your GNSS position & tie it to the National Spatial Reference System.

**What is OPUS? FAQs**

Choose File No file chosen

\* data file of dual-frequency GNSS observations. [sample](#)

NONE

antenna - choosing wrong may degrade your accuracy.

0.000 meters above your mark.

antenna height of your antenna's reference point.

\* email address - your solution will be sent here. [Privacy Act Statement](#)

Options to customize your solution.

constellations allowed  GPS  GLONASS  GALILEO  BEIDOU  QZSS

[constellations explained](#)



**New Feature:  
Supports  
Multi-GNSS**

Users now have the option to include data from multiple constellations, which can improve position quality.

**NGS Welcomes Your Feedback**

To help ensure that we are meeting your needs, please give this new tool a try and let us know what you think.

Email us at [ngs.OPUS@noaa.gov](mailto:ngs.OPUS@noaa.gov)

