



## Now accepting RTK! OPUS Projects supports short-occupation surveys

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# NGS News

## OPUS Projects v.5.1 is live!

OPUS Projects 5 has added an [ [Upload GNSS Vectors](#) ] function to incorporate high efficiency real-time kinematic (RTK) surveys into geodetic control projects. This update, along with new [Requirements for Use in the 2023 GPS on Bench Mark Campaign](#) will guide users in using high-efficiency GPS methods to maintain NGS datasheets and improve transformation models relating the nation's existing NAVD 88 heights to the next GPS-based vertical datum.

Users can now upload GNSS vectors into their OPUS Projects, including vectors derived from either a single-base RTK setup or from a real-time network (RTN), for evaluation, quality assessment, and inclusion in a least squares network adjustment.

Use the new [GNSS Vector Exchange \(GVX\) file format](#) to transfer data from various manufacturer hardware to OPUS Projects 5:

- ask your GPS vendor about new converters to GVX file format.
- explore [GVX sample data](#).



*Ben Gavin, NGS, observes kinematic GPS. These observations can be completed in minutes, versus hours for traditional static GPS.*

### Learn more about OPUS Projects 5 via recorded webinars

For an overview of the new features, check out March 29, 2022's [OPUS User Forum: Working with Real-Time Kinematic Data in OPUS-Projects 5](#).

For instructions specific to the [GPS on Bench Mark campaign](#), view our January 12, 2023 [Using RTN Data in OPUS Projects 5 for GPSONBM](#).

