

## NEW FEATURES

- **Keyboard Shortcuts**– Added Total Station Offset and Rotate instrument functions to the keyboard shortcuts list
- **Slope staking** – Updated slope staking routine to show slope distance
- **ASCII Export** – Export precision now matches project precision
- **Multiline** – expanded existing group code function to support multiline when using Total Stations
- **SmartNet Global PPP** – added support for Smartnet Global PPP service
- **Staking list** – option to sort the staking list by a range of points
- **Raw file Export** – A new record comment is added when a user uses Reset RTK filter's function

## NEW AND UPDATED INSTRUMENT DRIVERS

### GNSS

- **ComNav** – Support for QZSS constellation system
- **Leica**- Dual base mode function to support external radio + GSM configurations concurrently.
- **FOIF A90** – updated antenna offset parameters
- **GeoMax Zenith 60** – IMU Calibration tool added
- **Hemisphere S631** - IMU Calibration tool added
- **Pentax**– Support for QZSS constellation system
- **Stonex IMU Receivers** – IMU Calibration tool added

### Total Station

- **FOIF RTS 362** – Fixed issue with battery level for onboard instruments
- **South NTS New** – added new driver

## COORDINATE SYSTEMS

- **Gugik-evrf2007** – new geoid model for Poland
- **RAF20** – New Geoid for France
- **Ohio** – New low distortion systems for each county
- **Greece-EGSA87** – New Coordinate system added

## DEFECTS FIXED

- **Scale Factor** – Addressed issue with scale factor not being applied consistently throughout staking functions
- **Group Codes** – Addressed issue with group codes not saving
- **GNSS Offset Measurement** – addressed issue with direction when local transformation applied
- **SDR Export** – updated total station observation data to output decimal degrees

## KNOWN ISSUES

- **Line Staking** – issues with staking feedback not updating to the next segment when staking closed figures
- **Disto S910** - First photo taken with project can provide an error, additional photos are taken and stored fine.
- **Photo Notes** – Camera rotation is not supported.
- **LandXML** – LandXML alignments containing a sequence of Spiral-Curve-Spiral-Curve-Spiral are not properly displayed.
- **Multiset Structured** – Angle only backsight is not available.