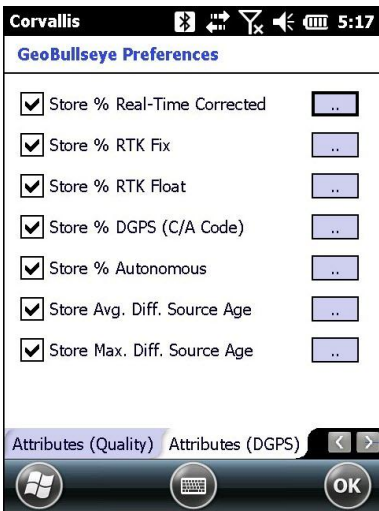
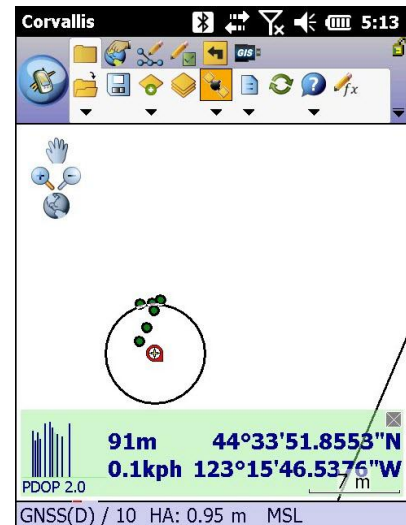




GeoBullseye for ArcPad

-Real Time GNSS Accuracy Utility for ArcPad 10 users-
Version 2 - Enhanced for more GNSS Attributes!

Your project requires confidence in real-time high accuracy GPS/GNSS data – GeoBullseye is an indispensable tool in your toolkit.



Real-Time GNSS Feedback – Improve your confidence.

- Visual accuracy display gives you confidence about GNSS sessions in the field.
- Enhanced visual GNSS status display DIRECTLY at the map level!
- View correction status, estimated accuracy - horizontal and vertical.

Track GNSS Results - Improve your data quality.

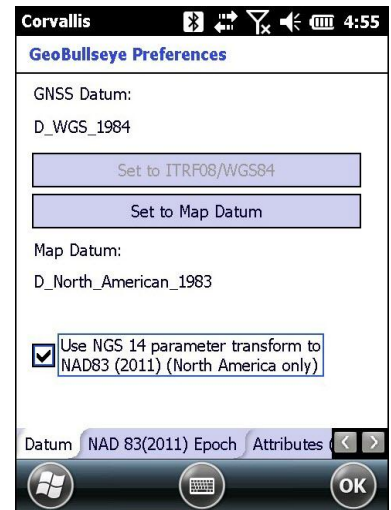
- Store GPS/GNSS quality indicators as GIS attributes in your shapefile or geodatabase.
- Store attributes for accuracy, DOPs, DGPS status, GPS datum and more!
- Automated collection - ready for review/filtering and reporting in GIS.

Accurate MSL adjusted elevations in the field.

- Built in National Geodetic Survey (NGS) Geoid 12a model
- GSF (Geoid Separation File) support for custom and international Geoid models
- Calculated “on the fly” position by position. Configurable antenna height adjustment.

Mapping in current NAD 83? Are you sure?

- Incorrect GNSS datum setup contributes significantly to error budget, as much as several meters in some cases. In critical mapping projects centimeters count. GeoBullseye can improve your results and confidence.
- Based directly on the most current NGS horizontal datum model, GeoBullseye implements a rigorous 14 parameter real time transform between GNSS/DGNSS output ITRF08/WGS84 positions and NAD83 (2011).
- Easy toggle to configure between ITRF08/WGS84 and NAD83 (2011) correction sources.
- EPOCH 2010.0 adjustment support (via XYZ Velocity input).
- **Only \$295.00** Contact sales@geomobileinnovations.com for ordering information.



GeoBullseye for ArcPad is an extension compatible with Windows Mobile and Windows PC (tablets/laptops) running ArcPad10.x.



Corvallis, OR 97333
phone 541.754.3488 fax 661.761.8843
email sales@geomobileinnovations.com
web www.geomobileinnovations.com



GeoBullseye for ArcPad Version 2 Specifications/Key Features

Device/system compatibility –Windows Mobile and Windows PC devices running ArcPad 10 (10.2 R3 or later recommended)

GPS/GNSS Receiver Compatibility – Supports standard NMEA-0183 output protocol on most all mapping or survey grade GNSS receiver(s) compatible with ArcPad. Recommended NMEA sentence output for maximum feature support:

- \$GPGSV and \$GLGSV (Glonass) - Satellite information
- \$GPGGA -Time, position, fix status, DOPs
- \$GPGST - Estimated Position Error/Accuracy data
- \$GPRMC -Speed and course
- \$PGRME - *Garmin* proprietary Estimated Position Error

Visual GNSS Accuracy Indicators - Graphical estimated accuracy indicator configurable for dynamic or fixed radius. Status bar read-out of GPS/GNSS fix status, differential correction status, number of satellites, and multiple accuracy variables. Configurable read out of estimated accuracy (EA), horizontal accuracy (HA) and/or vertical accuracy (VA).

GIS Feature Types Supported – Point (including nested point), line and polygon collected via GNSS receiver.

GNSS Data Collection Attributes – Selectable automatic collection of GNSS attributes for accuracy, quality, DGPS status percentage, GPS feature time/position/datum and elevation. See next column for detailed attribute listing. Multiple default attribute names or user GIS schema configurable via editable XML preferences file.

Elevation/ Geoid Support – Real-time status bar display and collection support for selectable Height above Ellipsoid (HAE) or Mean Sea Level (MSL). HAE to MSL transform via built in NGS Geoid 12a binary model or user provided, selectable geoid separation file (GSF) with configurable antenna height adjustment.

GNSS Datum Support – Supports ArcPad standard GNSS datum transformations as well as an enhanced NGS-based 14 parameter real-time transform between ITRF08/WGS84 positions and NAD83 (2011). Epoch 2010 adjustment support via XYZ Velocity input.

GeoBullseye Version 2 GNSS Data Collection Attributes

Accuracy Tab

- Avg EA (Estimated Accuracy)
- Worst EA
- Avg HA (Horizontal Accuracy)
- Worst HA
- Avg VA (Vertical Accuracy)
- Worst VA
- Std Deviation (POINTS ONLY)

Quality Tab

- Avg PDOP (Positional Dilution of Precision)
- Max PDOP
- Avg HDOP (Horizontal Dilution of Precision)
- Max HDOP
- Avg VDOP (Vertical Dilution of Precision)
- Max VDOP
- Total Fixes
- Avg # of Sats
- Min # of Sats

DGPS Tab

- % Real-time corrected (all sources)
- % RTK Fix
- % RTK Float
- % DGPS (C/A code)
- % Autonomous
- Avg Diff Age
- Max Diff Age

Feature Tab

- UTC Date
- UTC Time
- X Coord (POINTS ONLY)
- Y Coord (POINTS ONLY)
- Z Coord (POINTS ONLY)
- GPS Datum
- Map Datum

Height/Elevation Tab

- HAE or MSL
- Geoid Separation
- Geoid Model
- Antenna Height
- Height Units



Corvallis, OR 97333
phone 541.754.3488 fax 661.761.8843
email sales@geomobileinnovations.com
web www.geomobileinnovations.com