

BOB

Data Acquisition, Visualization And Control Software For Windows



A Flexible Approach to Data Collection

Built from the ground up using robust, stable, secure and flexible MS SQL database technology. This allows you total freedom to review data, manipulate markers and even make backups without interrupting your survey.

Easy to Setup

Bob's intuitive set up assistant guides you through the simple process of connecting your computer, towfish and GPS. You can connect through COM Port, USB network, ethernet or wirelessly using the new MM FreeWheel wireless base station.

Easy to Use

Elegant GUI gives you direct access to your data at all times. Directly & intuitively interact with all your data through synchronized real-time magnetic field plots, data logs and GPS visualization.

Time-based Plotting

BOB plots magnetic field data on an intelligent timeline that dynamically rescales based on your level of magnification. An interactive survey overview gives you instant access to any part of your survey.

Towfish Monitoring and Control

BOB monitors your connection and towfish status, instantly alerting you to any potential problems. Detailed diagnostic panels and terminal access make it easy to troubleshoot & resolve issues.

Visual GPS

With 2-D GPS visualization, you'll be able to see exactly where your readings, markers and survey lines are located. Simply click on the GPS trace to see the data at that location. See and edit markers & survey lines directly on map.

Advanced GPS Support

10Hz GPS support provides unprecedented accuracy and BOB automatically handles interpolation between GPS data frequency & mag sampling rate to accurately tag every reading with GPS co-ordinates. All NMEA GPS information can be shown on-screen in real time and stored independently from the magnetometer data stream as latitude/longitude format, or as UTM projection with WGS84 datum.

Real Time Layback Correction

BOB automatically corrects for towfish layback in real time using a sophisticated algorithm to calculate the towfish position, even when making turns.

Unlimited Editable Markers

Add and modify descriptive marker labels to your data plot at any time. Colour-coded marker sets allow you to organize as many different kinds of markers as you want, and you can show or hide only the ones you need.

Define Survey Lines

Quickly mark survey lines directly on the GPS plot. Exclude all off-line data from export.

Multiple Surveys

BOB allows you to easily store multiple surveys in its database and quickly move between them. Surveys can be annotated, exported, archived and restored as required.

Maximum Data Compatibility

Export to universally-readable CSV and tab-delimited files for seamless data sharing with Excel or post-processing software like GeoSoft or HyPack. Query data directly via SQL (2001) to take advantage of sophisticated features like geodetic spatial data types.

Base Station Correction

Import base station readings and BOB will automatically calculate the optimized, corrected data set.

Real Time Printing

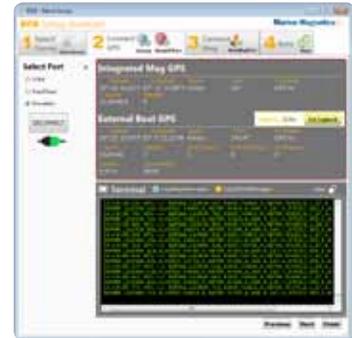
BOB supports real time printing to EPSON compatible 24-pin dot matrix printers and iSYS V8.5e thermal plotters. Print output can be customized to meet your survey needs.

Real Time Repeat

This feature gives you the option to send the incoming magnetometer data to an additional data logging computer through a specified COM port.



BOB Setup Assistant Step 1: Survey



Step 2: GPS



Step 3: Connect Mag



Step 4: Sync

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