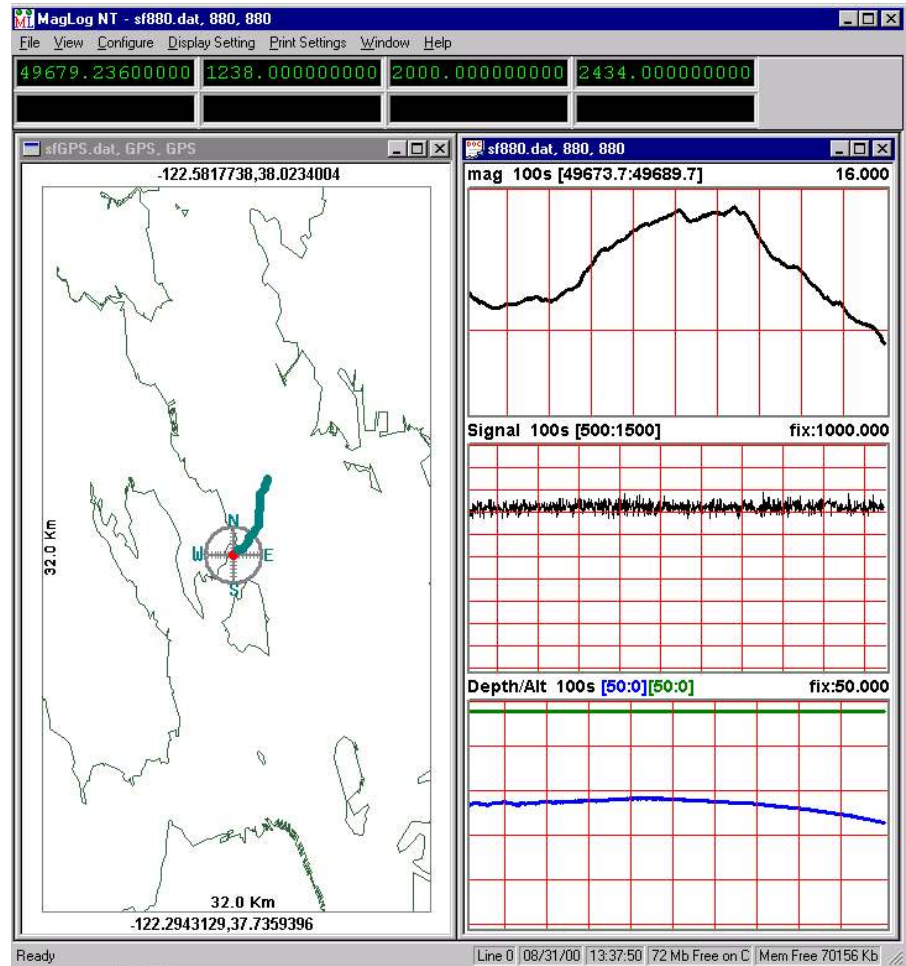




# MagLogLITE - Data Logger and System Controller

- **Data Logging and display software for G-880, G-881 and G-877 Marine Magnetometer or Gradiometer Systems**
- **Designed with a *NEW Configuration Wizard* for automatic setup of Marine and Vehicle survey operations**
- **Integrated GPS Trackplot with Downloadable Arcinfo Shape Maps**
- **Automatic real time position Interpolation and calculation of fish position using proprietary dragging algorithm**
- **Automatic Anomaly Detection based on preset parameters, automatic printing to Windows printer (inkjet, laser)**
- **Real-time diagnostics performed on all data inputs, providing immediate audio feedback if data is not being transmitted, is out of range or fails other quality criteria.**
- **Geometrics offers complete turnkey systems including Cesium Vapor or Proton Precession sensors, tow cables, winches, GPS positioning and steering systems, Data Acquisition computers and data processing and display software and training.**



MagLogLITE offers the marine or land survey operator an easy to use yet sophisticated Data Logging and Display controller with superior data handling capabilities for logging, displaying and printing multi-channel asynchronous data transmissions. Single sensor or Multi-sensor gradiometer arrays with depth, altitude and GPS trackplot on map overlays are easily configured for storing to disk, display and printing using the new step-by-step Configuration Wizard.

MagLogLITE provides capability to configure multiple re-sizeable display or printer channels each with their own horizontal and vertical scale parameters with multiple color coded traces in each window channel. Horizontal or vertical scrolling is available for depth, altimeter or magnetic field displays.

Go-NoGo warning lights at the top of the display alert the operator to any errors or data conditions which exceed user preset levels of min/max or noise components.

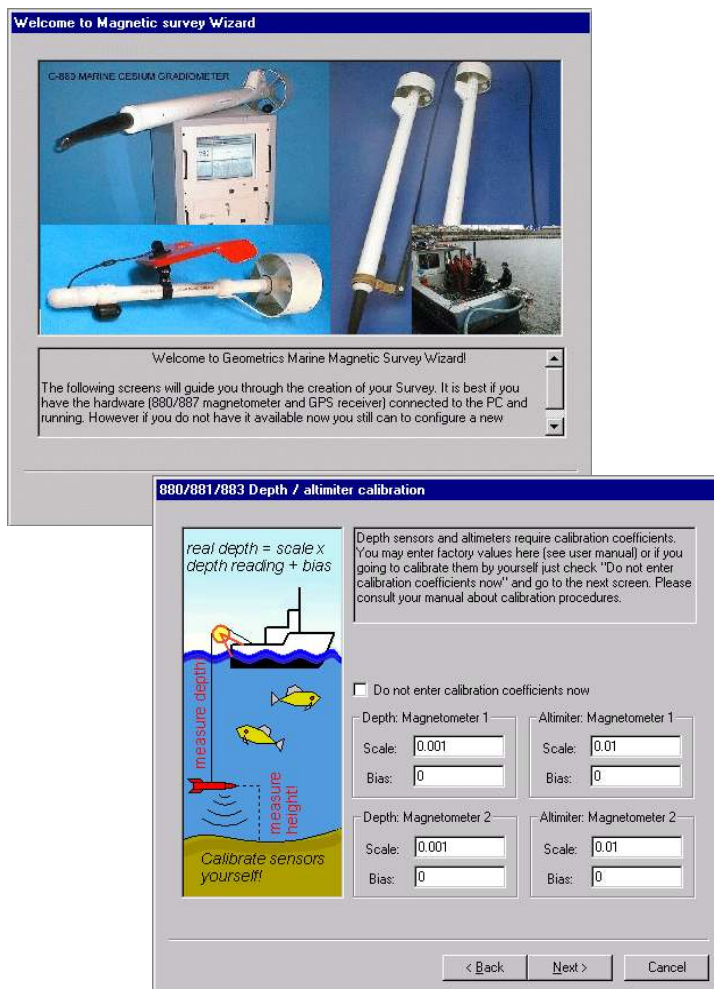
A special GPS window is included which shows the real-time position with complete zoom controls and plot of survey track. Maps may be imported as ArcInfo Shape Files for background reference on the GPS track plot map and special Survey Design Wizard provides the ability to preset parallel survey lines on the display. All logged data is available to be output to a rack or desk-mount thermal, dot matrix, Windows Inkjet or Laser printer for real-time hard copy. Automatic Anomaly Detection allows print on anomaly or flag on anomaly for later analysis.

MagLog provides real-time interpolation of fish position or of each sensor in multi-sensor arrays. Data may be replayed at high speed to reanalyze for anomalies or flags.

MaglogLite makes use of the latest multi-threading technology to ensure that critical events are not lost. For example, write- to-disk tasks maintain priority and data will be stored as it comes in, even if the plotting routines were to fall behind (unlikely with modern computers). In addition, each sensor is logged independently of the others, so that any difficulty with one sensor transmission will not affect the others.

All activity takes place with maximum efficiency, controlled by the scheduling and prioritizing functions of the operating system. This means that whether you are logging 1 sensor or 20, or if some sensors are logging at 1 Hz and others at 100 Hz, the system will maintain optimal efficiency and data integrity.

Suggested computer platform for large ship marine applications comprises an industrial grade rackmount Pentium IV or AMD 3.0GHz running Windows XP with a large hard drive, rack-mount Color LCD Monitor, special multiport serial interface boards, and built in Iomega Zip or Jazz drives for offloading and archiving data. Smaller vessel surveys can be conducted with a standard Pentium/AMD laptop computer with expanded serial port capability using PCMCIA or USB serial port expanders.



Configuration Wizard makes setup and calibration of depth/altitude easy

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