The GeoLink Base Logger (GLBASE) is a specialized component of the GeoLink mapping system designed to collect and provide data files containing detailed base station GPS satellite information from various GPS receivers including the Motorola LGT 1000. GLBASE is specifically designed for use in post-processing differential correction of rover data files.

GLBASE has been designed to allow users to start and stop base logging activities at predefined times. GLBASE displays GPS satellite range data for the constellation being monitored and collects, organizes, and records the specialized files required for post-processing differential correction. GLBASE produces a real-time screen with a live map display, and may also be used to record real-time differential base station files. The live map cursor shows the current position and a trace showing the position scatter.

The system status display includes the following information:

- longitude, latitude, elevation
- GPS date, time, speed, and heading
- Satellites in view
- Satellite Signal-to-Noise ratio
- Satellite pseudorange data
- GPS positioning mode
- Base data collection mode and the data destination

The GeoLink Base Logger also provides the ability to show the base station position with digital maps as background coverages on the current display. Map formats supported include Arc/INFO GEN, ERDAS DIG, AutoCAD DXF, Motorola DPT, and Intergraph DGN or SGF.

GLBASE is designed to operate with IBM PC compatible computers and supports 80286, 80386, and 80486 processors. There must be a minimum of 640 Kbytes of main memory available. The screen display must be MGA, CGA, HGC, EGA, or VGA compatible. A hard disk with a minimum of 40 Mbytes storage capability is recommended. A math co-processor is optional, but recommended. GLBASE will operate within the following environments: DOS 3.0 and up, QEMM/Quarterback, and MS Windows 3.0.

The patented GeoLink mapping system with Base Logger provide an unparalleled level of operating flexibility and sophistication for GPS users operating the Motorola LGT 1000 GPS/GIS Terminal for collection of coordinate data and attribute information.
The GeoLink Base Logger (GLBASE) is a specialized component of the GeoLink mapping system designed to collect and provide data files containing detailed base station GPS data from various GPS receivers including the Motorola Oncore, Six Gun, and LGT 1000. GLBASE is specifically designed for use in post-processing differential correction of rover data files.

GLBASE has been designed to allow users to start and stop base logging activities at a predefined time. GLBASE displays GPS satellite range data for the constellation being monitored and collects, organizes, and records the specialized files required for post-processing differential correction. GLBASE produces a real-time screen with a live map display, and may also be used to record real-time differential corrections as base station files.

The system status display includes the following information:

- Base reference longitude, latitude, and elevation
- GPS date and time
- Satellites in view
- Satellite Signal-to-Noise ratio
- Satellite pseudorange data
- GPS positioning mode
- Base data collection mode and the data destination

The GeoLink Base Logger also provides the ability to show the base station position with digital background maps on the current display. Map formats supported include Arc/INFO GEN, AutoCAD DXF, Motorola DPT, and Intergraph DGN or SGF.

GLBASE is designed to operate with IBM PC compatible computers and supports 80286, 80386, 80486, and Pentium processors. A minimum of 640 KB of memory is required. The screen display must be VGA compatible. A hard disk with a minimum of 40 Mbytes storage capability is recommended. A math co-processor is optional, but highly recommended. GLBASE will operate within the following environments: DOS 3.0 and up, QEMM/Quarterback, and MS Windows 3.1.

The patented GeoLink mapping system with Base Logger provides an unparalleled level of operating flexibility and sophistication for GPS users. Options are also available for real-time output of RTCM-SC104 Type 1 and Type 9 messages, as well as DGPS remote position display for vehicle tracking applications.