

The Department of Earth Sciences

Global Positioning System (GPS) (one Trimble Geo7 unit and 15 Trimble TDS 100 units)

Located in Johnson Hall 217 | Contact: Andrew M. Mickelson, amicklsn@memphis.edu

Usage Policy

The Instrumentation

Through the support of the College of Arts and Sciences, the Earth Sciences Department has acquired one Trimble Geo7 unit and 15 Trimble TDS 100 units. These GPS units allow for rapid mapping and spatial data collection for a wide range of field applications. The specifications for these instruments are as follows:

1. Trimble Geo7- Imbedded Windows software, WiFi capability, and cm level accuracy.
2. Trimble TDC100- 10 units with imbedded Windows software, WiFi capability, and 1-2 m accuracy.
3. Trimble TDC100- 5 units with imbedded Windows software, WiFi capability and 5G cellular network capability as well, and 1-2 m accuracy.

Full specifications may be found at www.trimble.com

Usage Policy

The Earth Sciences Department retains priority on instrumentation use and scheduling of GPS unit usage. Any University faculty, staff, or students may check-out GPS units if a clear need is demonstrated firsthand. All users, departmental or otherwise must first receive training on the instrumentation and associated software applications prior to deployment to the field. Training can include classroom as well as one-on-one demonstrations with departmental personnel who have already learned how to use the instrumentation. If an individual outside of the department already knows how to use the GPS units, and can demonstrate such knowledge, then no further training will be required. All users must assume responsibility for the care, treatment, and safe-guarding from theft of the GPS units outside of the department (i.e., in field settings). All equipment and associated accessories must be returned in clean working order upon the end of the loan period.