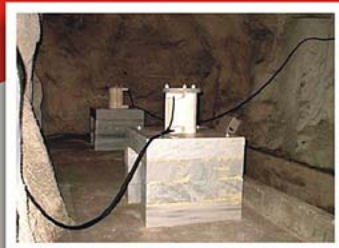


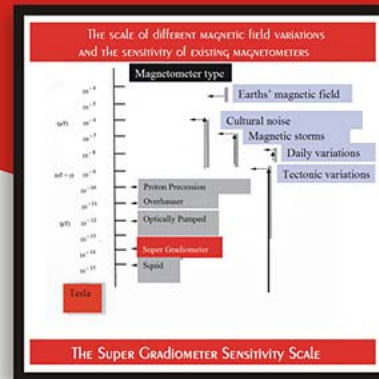
SUPER-SENSITIVE GADIOMETRIC MONITORING FOR EARTHQUAKE RESEARCH



SuperGrad Sensor Installation

Researchers have reported magnetic anomalies in the weeks and hours before large earthquakes (M = 6.9). Smaller events are harder to detect; likely reflecting a lack of instrument sensitivity.

GEM's new SuperGradiometer offers promise for improving these results and potentially, lowering the threshold of detectable earthquakes to M = 4 or 5.



SuperGrad was developed in response to the United State Geological Survey's need for a super-sensitive gradiometer. It is the highest sensitivity total field device ever developed.

It offers:

- Super-sensitive 1 fT/m gradients
- No 1/f noise - excellent for long-term monitoring
- Elimination of cultural noise
- Removal of diurnal variations



Our World is Magnetic.

