



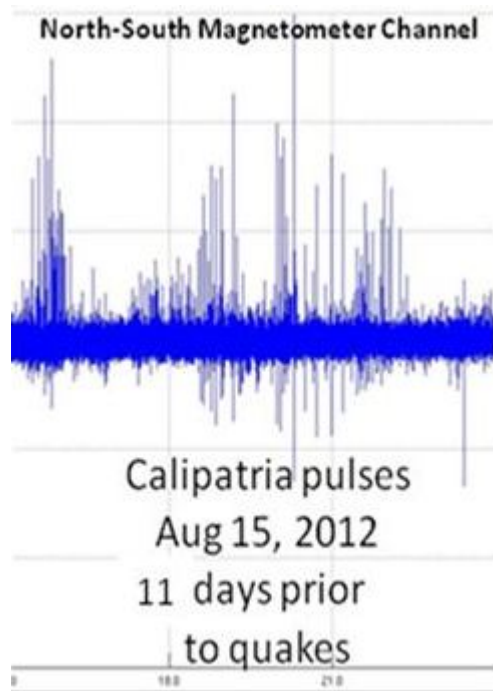
Leading the Quest for Quake Forecasting

NEWSLETTER

Third Quarter, 2012

Milestone: 100 Instruments Installed!

With the installation of instruments in southern California at Cartego and China Lake, our team has reached a milestone of 100 total installed sites. These sites are spaced about 20 miles (32km) apart along the major faults providing us with excellent major fault coverage. Future installations will expand coverage to the smaller faults. All instruments utilize the latest configuration of GEOTEL/Zonge magnetometers and ion sensors from Trifield. 55 of these sites were retrofitted over the last four months by our summer intern, Daniel Branski and our southern California installer, Henry Dela Pena. The retrofit involved adding fine mesh stainless steel screens to keep bugs and pollen from entering the ion sensor plates.



Brawley CA Quake Cluster: 8/26/2012

On August 26th there was a cluster of medium-sized quakes, from M4.9 to M5.4, near Brawley, about 25 miles from the Mexican border. We had two sites nearby, Calipatria and Imperial, and we saw quite a few unipolar pulses two weeks prior to the quakes. However, we saw similar pulses on 30 sites in Southern California, some of which were up to 200km away from the quakes. After analyzing our data, and looking at lightning strike data from Visalia and Earth Networks, we detected lightning in the area and had to be very careful to only count the non-lightning pulses. For example, on August 21st (5 days prior) there were 4,300+ lightning strikes in the immediate area. The conclusion was that with so much lightning nearby, just prior to the quakes, it was very difficult to say with certainty that magnetic pulses existed specific to the earthquake process. It is important that we be accurate. Therefore, we are not declaring "success" on this quake, but rather "inconclusive."

The world needs warning. Reliable earthquake forecasts will someday save lives. Help accelerate our work toward that goal with a monetary donation. No donation is too large or too small. Please call or [email Tom Bleier](mailto:tombleier@quakefinder.com), QuakeFinder Vice President Humanitarian Research & Development, at 650-473-9870 to contribute or to connect us with corporate or individual sponsors.

QuakeFinder is a humanitarian R&D project supported primarily by [Stellar Solutions](http://StellarSolutions.com). Our work, based on sound scientific theory and practice, aims to create a system for short-term (days to weeks) forecasting of major earthquakes.

