

## **FOR IMMEDIATE RELEASE:**

### **CONTACT:**

Tom Bleier  
Stellar Solutions  
Phone: (650) 473-9870  
Fax: (650) 473-9867  
tbleier@quakefinder.com  
<http://www.QuakeFinder.com>

## **QUAKEFINDER DETECTS QUAKE: PRE-QUAKE SIGNATURES DETECTED BY QUAKEFINDER AND NASA**

**Palo Alto, CA June 14, 2009** – QuakeFinder, the Humanitarian R&D division of Stellar Solutions, Inc. has analyzed data gathered from the Alum Rock earthquake in October 2007. QuakeFinder has one of their specialized ground sensors located approximately 2 miles from the epicenter of the Alum Rock earthquake. The Natural Hazards and Earth Systems Science journal recently accepted a paper by QuakeFinder which details both satellite and ground sensors detection of three independent electromagnetic signals two weeks prior to the October 30, 2007 Alum Rock M5.4 earthquake. QuakeFinder detected ultra low frequency magnetic pulsations and large changes in air conductivity near the ground during the two weeks prior to the quake. In addition, collaborators at NASA's Jet Propulsion Laboratory detected nighttime infra-red signatures in the same area simultaneously from the GOES-West weather satellite. These three signatures were compared with normal signals collected over the previous two years, and it was noted that the changes followed a similar timeline (two weeks) which occurred prior to the 1989 Loma Prieta M7.0 earthquake. The Alum Rock earthquake analysis has been discussed in California Space Authority's Winter issue of SpaceBound! (<http://www.californiaspaceauthority.org/spacebound-08-v25>) and covered by NBC's Bay Area News ([http://www.nbcbayarea.com/news/local/Bay\\_Area\\_Centers\\_in\\_on\\_Earthquake\\_Prediction\\_Bay\\_Area.html](http://www.nbcbayarea.com/news/local/Bay_Area_Centers_in_on_Earthquake_Prediction_Bay_Area.html)).

QuakeFinder currently has 55 ground sensors in the CA area, and plans to increase the network in California and internationally, allowing the capture and analysis of more earthquake data, thereby providing additional corroboration earthquakes could be forecast by monitoring electromagnetic changes around fault zones.

For additional information on Earthquake findings by QuakeFinder, contact Tom Bleier, VP of Humanitarian R&D at Stellar Solutions, or visit [www.quakefinder.com](http://www.quakefinder.com).

QuakeFinder conducts pioneering research in the area of earthquake forecasting and is the Humanitarian R& D division of Stellar Solutions, an award winning aerospace engineering services company located in Palo Alto, CA. The initial goal to develop a monitoring network (CalMagNet) has progressed into a broader vision—to save lives by conducting research with the aim of making global forecasts of major seismic activity a reality within the next decade.

### **About Stellar Solutions, Inc**

Stellar Solutions distinguishes itself by satisfying customers' critical engineering services needs on diverse projects such as defense-related intelligence programs, international telecommunications satellites, commercial imagery satellites, and NASA's planetary and earth science missions. Stellar Solutions' high-caliber team of aerospace professionals has decades of applied mission experience and provide high impact technical solutions to programmatic challenges. Stellar Solutions' offices are located in all major space development and operational hubs in the US: California, Colorado and the Washington, DC area, and our international affiliate, Stellar Solutions Aerospace Ltd., is based in London, England.