

Richard K. Eisner, FAIA
California Integrated Seismic Network & Earthquake Programs
California Governor's Office of Emergency Services
724 Mandana Boulevard
Oakland, California 94610-2421

November 19, 2002

Dr. Frank Webb
Group Leader, Satellite Geodesy and Geodynamics Systems
Jet Propulsion Laboratory
4800 Oak Grove Ave.
Pasadena, CA 91109

Subject: GPS Data Products for Solid Earth Science Research and Applications

Dear Dr. Webb:

I am writing in support of the proposal being submitted by the Southern California Integrated GPS Network (SCIGN) for the integration of SCIGN into the Plate Boundary Observatory and the development of new data products that will serve the interests of many users including those of emergency management in California. Over the past decade, the Governor's Office of Emergency Services has worked closely with the earth sciences community in the development of real-time information to enhance emergency response capabilities.

Throughout its development and operation, SCIGN has been sensitive to the needs of user groups in the southern California region and this proposal will expand the capabilities of SCIGN by merging it with other GPS networks and facilitating the rapid analysis of data and the delivery of critical information for the evaluation of seismic and volcanic hazards throughout the western region.

For us, this proposal represents another significant step in achieving a reliable real-time post-earthquake decision support system. Of particular interest to our agency is the integrated application of near real-time GPS with seismic and strong ground motion data to assess critical infrastructure after a major urban earthquake. For example, emergency response utilization of static displacement data will facilitate the evaluation of potential damage to utility infrastructure and may reduce outage time. Refinements in GPS data processing that will result from this project may also assist emergency services organizations by identifying areas of enhanced seismic and volcanic potential through rapid detection of anomalous geodetic data.

We are pleased to offer our support for this important project and will continue our close collaboration with SCIGN in pursuit of improved public safety. Please call me if you would like more information or clarification.

Sincerely,

A handwritten signature in black ink, appearing to read "Richard Eisner". The signature is stylized with a large initial "R" and "E".

Richard Eisner, FAIA
CISN & Earthquake Program Manager