

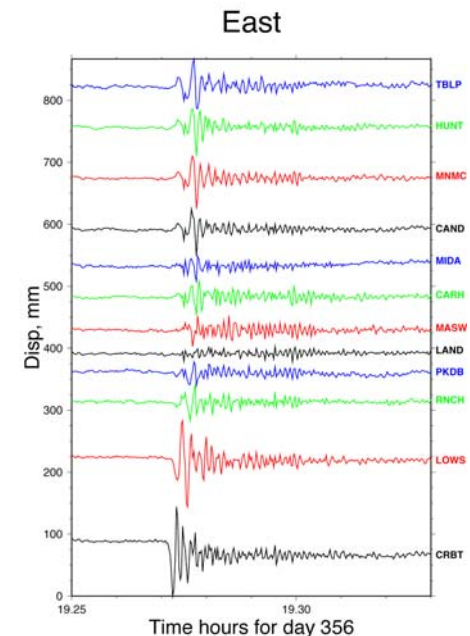
GPS Real-Time High-Rate Upgrades

Jeff Genrich, Yehuda Bock, Glen Offield, John Unwin, Frank Vernon

Scripps Orbit and Permanent Array Center
Scripps Institution of Oceanography



2004 HPWREN Users Meeting
San Diego, September 24, 2004

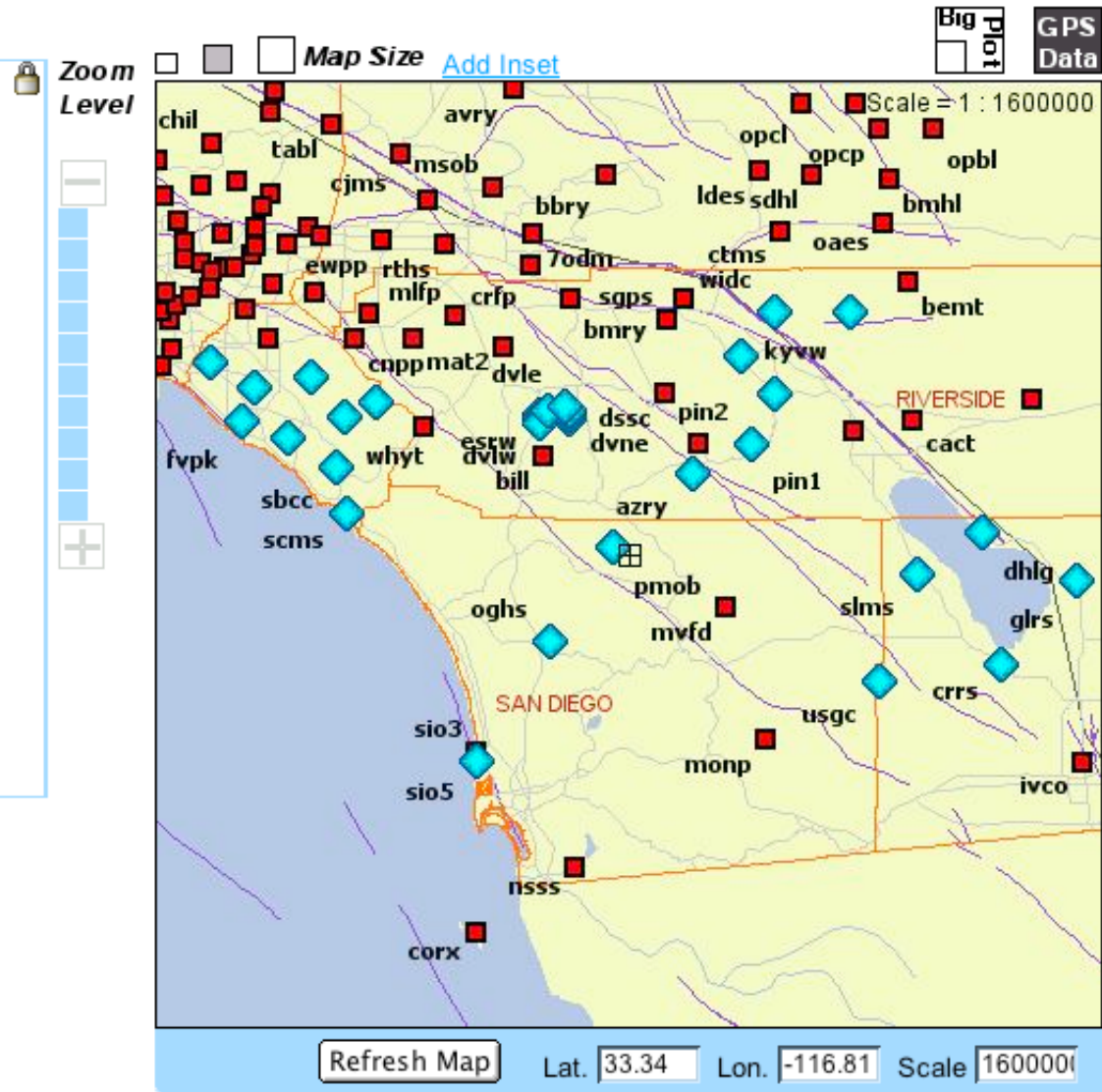


Upgraded SCIGN Stations

SOPAC Online Map Interface

Legend

- World Countries
- Tectonic Plate Boundaries
- Nevada Faults
- Baja California Faults
- California Faults (maj quat)
- California Faults (north)
- California Roads
- text World Countries
- California County Borders
- text California County Names
- World Cities
- World Cities
- 5 Degree Graticule Lines
- 5 Degree Graticule Labels
- Realtime GPS Stations
- BARD GPS Network
- BARGN GPS Network
- SCIGN GPS Network



Typical Hardware



Palomar
Observatory



Table Mtn

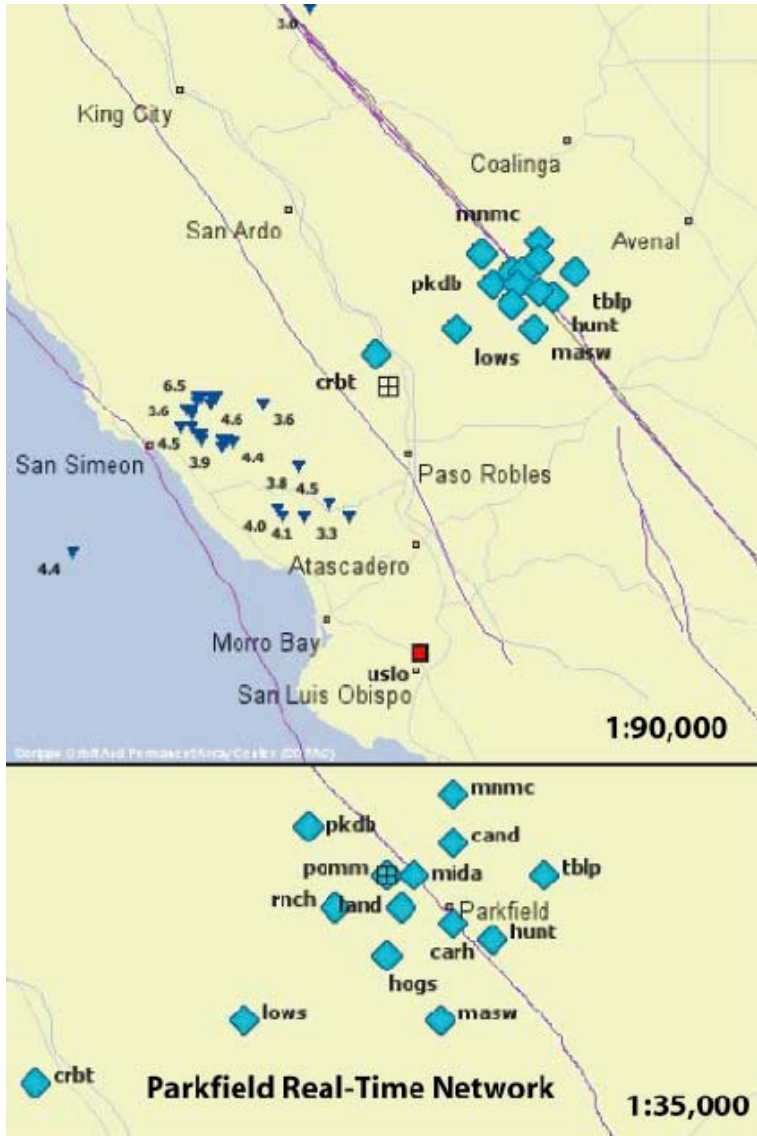


Scripps Telemetry Buffer

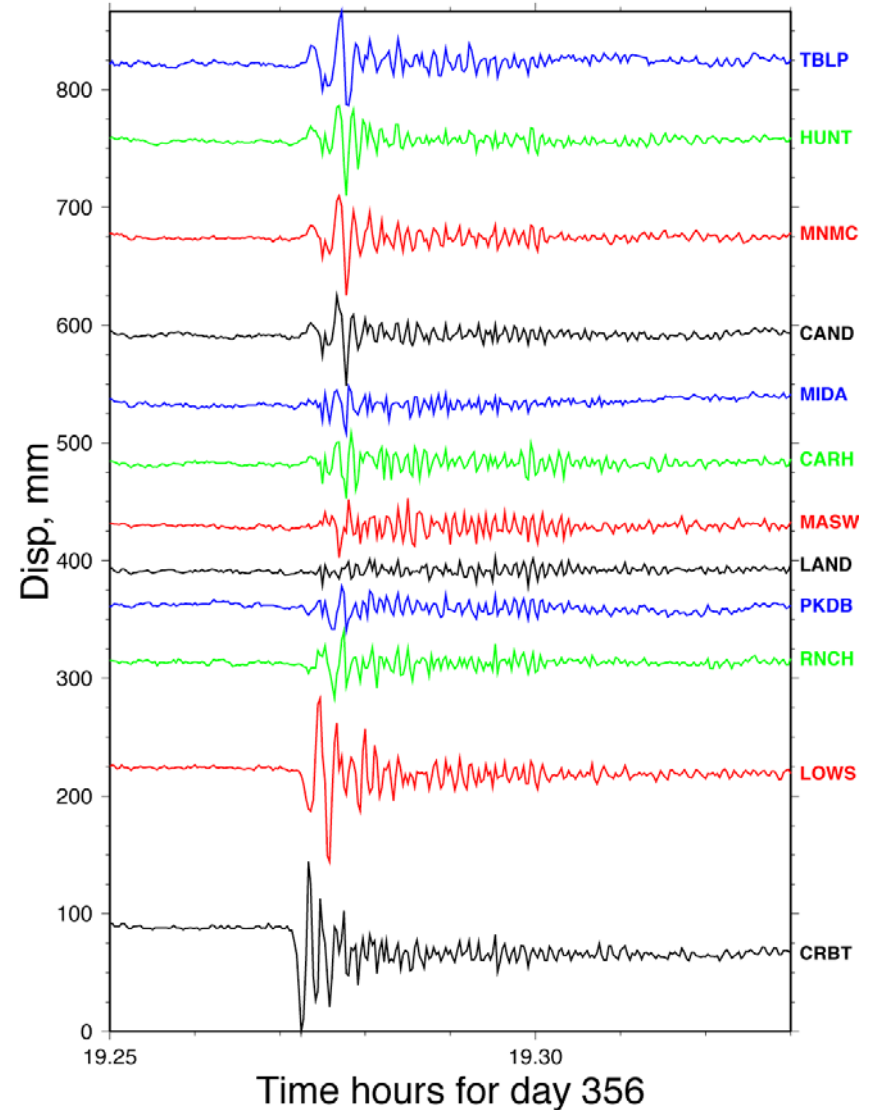


Mine Mtn +
Repeater

GPS Displacement Waveforms: San Simeon EQ



East



Precise GPS Positioning



GPS RTK Rovers



Serial

CPU

+

Wireless
Card



Internet

Radio

Base Stations

