| Network Fact Sheet: NetOps Workshop 2006 | |
|---|---|
| **Name:** | Northern California Seismic Network |
| **Authoritative Monitoring Region:** | *Northern California Region* coordinates<br>34.5000 -121.2500<br>37.2167 -118.0167<br>37.7500 -118.2500<br>37.7500 -119.5000<br>39.5000 -120.7500<br>42.0000 -121.4167<br>42.0000 -122.7000<br>43.0000 -125.0000<br>40.0000 -125.5000<br>34.5000 -121.2500 |
| **Station Statistics:** | NCSN: 431 sp, 241 sm, 60 bb components<br>NSMP: 193 sm components<br>Total components monitored (incl neighboring networks): 1054 |
| **Data Acquisition & Recording Systems:** | Data received from all analog and digital telemetry sources are converted to Earthworm format and then processed by an Earthworm System, which produces automatic locations, magnitudes, and ground motion measurements for ShakeMap, etc. |
| **Data Processing:** | CUSP |
| **Data Archive & Distribution:** | Data archived at the Northern California Earthquake Data Center at UC Berkeley. |
| **Data Loggers:** | Kinemetrics K2, RefTek 130-ANSS/02 & 130-ANSS/02/6, Nanometrics HRD-24 & Trident, USGS-DST, National Instruments A/D (Earthworm) |
| **Sensors:** | Short-Period: Mark Products L4C, Geospace HS-1<br>Broadband: Guralp CMG-40T, Streckheisen STS-2, Carnegie Dilatometer<br>Strong-Motion: Kinemetrics FBA-23 & Episensor, RefTek 131, Wilcoxin 731 |

| Telemetry: | Analog: audio FM via various voice-grade media, including VHF, UHF, and dedicated telephone circuit<br><br>Digital: serial and Ethernet spread-spectrum radio modem (115 kbps and 10Mbps). Terminal servers, routers, modems, and multiplexers to access DSL, frame-relay, public Internet wired carriers. USGS digital microwave backbone. Nanometrics Libra system on Ku-band satellite.<br><br>Ana-Dig: Some channels are telemetered in analog mode to an intermediate node where data is digitize by a datalogger and telemetered the rest of the way digitally |
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