

CREST Status Report – October 26, 2001

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Activity: Consolidated Reporting of EarthquakeS and Tsunamis (CREST)

1) **Warning Centers:** During the past 6 months there was no activity conducted at the Warnings Centers by CREST project personnel, except for support of telemetry links.

2) **Seismic Network instrumentation:** There are now 43 of the 56 CREST stations installed. Over the past 6 months the participants of the CREST project installed 20 new seismic stations. The 13 stations that remain to be installed should be completed in early 2002 as weather and schedules permit. The [inventory](#) of seismic stations shows those installed and scheduled for installation.

AEIC/UAF: Eleven sites are now operational. Over the past 6 months the UAF installed 6 new stations (see [Alaska](#) map). Installations are planned for the remaining 7 sites in 2002.

ATWC: All three CREST sites are now operational (see [Alaska](#) map). The last site was installed at Sand Point. Because conventional commercial point-to-point telemetry costs were prohibitive, this site uses a VSAT to broadcast continuous seismic data to Menlo Park, CA via satellite, where it is re-transmitted over the CREST network to ATWC.

NCSN: Nine sites are operational (see [Pacific Northwest](#) map). During the past 6 months 3 sites were installed. Four of the sites utilize satellite telemetry to Menlo Park, and the remainder use analog microwave telemetry. The remaining 2 sites will be installed

in the spring of 2002 as weather permits, and all sites will be converted to satellite telemetry.

HVO: Hawaii is fully operational (see [Hawaii](#) map). The NPS analog microwave system within Hawaii Volcanoes National Park that carries dedicated CREST circuit is in the process of being converted to fiber optic. Trenching is to begin late 2001 and all circuits migrated mid-2002

PNSN: Fifteen sites are operational (see [Pacific Northwest](#) map). Seven sites were installed in the last six months. The remaining 3 sites will be installed in 2002 as soon as weather permits.

UO: University of Oregon installation is fully operational (see [Pacific Northwest](#) map)

UCB: Existing UCB site at Arcata was relocated inland to Jacoby Creek, but the site is being repeatedly vandalized. Alder Springs site is still pending.

USNSN: Data latency issues during large earthquakes appear to be resolved.

3) **Communications:** All links are up and continue to function. The CREST network is being migrated in late 2001 from AT&T to MCIW which holds the FTS2001 contract. During the conversion the capacity of the Golden-to-ATWC/WC will be increased from 56kbps to 128kbps.

Algorithms: No new algorithms were released during this interval.