REGION: Pacific Northwest

As of April, 2003

NETWORKS:

Part of Regional operation:	CODE	Station/chans
Pacific Northwest Seismograph Network (PNSN)	UW	215 / 441
University of Oregon sub-network	UO	6 / 23
Battelle Northwest Hanford sub-network	HW	5 / 5

TOTAL Station/Channels Operated: 225/469

Import data from	CODE	Station/chans
Berkeley Seismograph Station	BK	3 / 7
Montana Bureau of Mines	MB	4 / 4
Northern California Seismic Network (NCSN)	NC	6 / 6
Pacific Geoscience Center, BC, Canada	CN	6 / 6
US National Seismic Network	US	6 / 18
Total imported :		25 / 41

TOTAL Station/Channels Recorded: 250 / 510

Exported Data to:	Station/Chans
Alaska Tsunami Warning Center (2 redundant paths)	export HYPO_messages
Akaska Tsunami Warning System (2 redundant paths)	6 / 6
Pacific Tsunami Warning Center	export HYPO_messages
Pacific Tsunami Warning Center	3 / 3
Cascade Volcano Observatory	22 / 22
Montana Bureau of Mines	4 / 4
Pacific Geoscience Center, BC, Canada	5 / 7

US National Network	export HYPO_messages
US National Network (via VDL)	14 / 22
IRIS Data Management Center (via import/export)	11 / 11
IRIS Data Management Center (via wave_server2seed)	152 / 196

TOTAL Station/Channels Exported: 217 / 271

(All real-time data exchange is via Earthworm Import/Export unless otherwise noted)

All realtime waveform data (220 stations, 454 channels) are sent to IRIS Data Management Center via tape after QC

We have processed an average of 476 events per month over the past two years. An average of 90 of these are from outside the region (teleseisms, etc).

Our recording and processing system consists of three SUN computers runing earthworm software in overlapping redundant mode in the lab. There are two other local computers only digitizing (NT-earthworm and SUN-sunworm). There are three remote nodes (1 SUN, 2-NT) for local data acquisition and forwarding to UW via Internet (total of 45 channels). The cooperating networks (UO, HW) have a combination of NT-earthworm digitizers and SUN-earthworm processing computers and forward a total of 28 channels via Internet.

Products are the following.

AUTOMATIC:

- **Hypocenters, magnitudes sent to QDDS, e-mail, pagers, FAXes**
- **Recenteqs WEB pages**
- **Webicorder WEB pages (~36 channels)**

REVIEWED:

- **Updated hypocenters, magnitudes sent to QDDS, e-mail, pagers, FAXes, NOAA**
- **Special "significant event" WEB pages**
- **ShakeMap WEB pages**
- **Quarterly reports sent to 60+ postal addresses**