

# Oregon Array for Teleseismic Study



June 12, 2003

Dear OATS Participant,

We just wanted to thank you again for letting us install a seismic station on your land, and let you know that your help and cooperation is greatly appreciated.

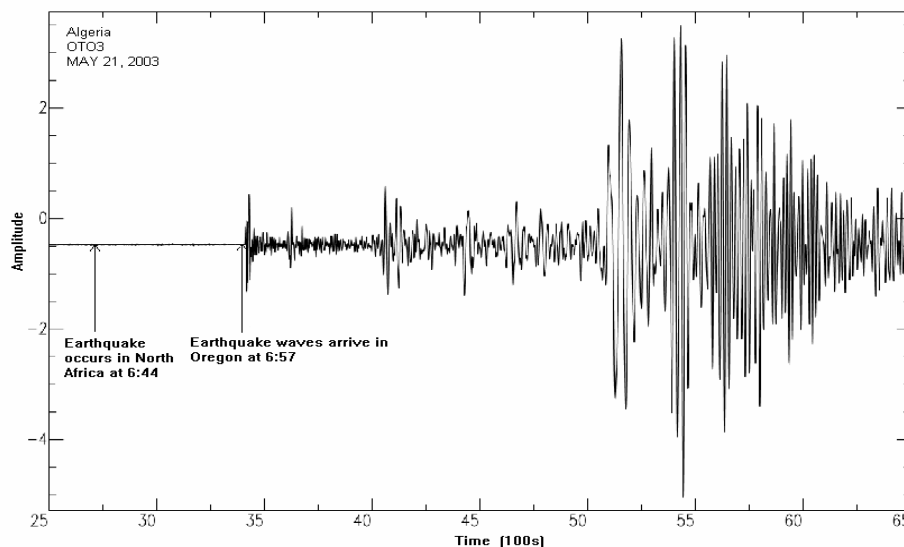
The project is going very well. Our installation trip last month was very successful, we plan to visit all the stations again in July to check that they are running OK and collect the first month's worth of data. The data we have collected so far is, by researcher's standards, *excellent* quality.

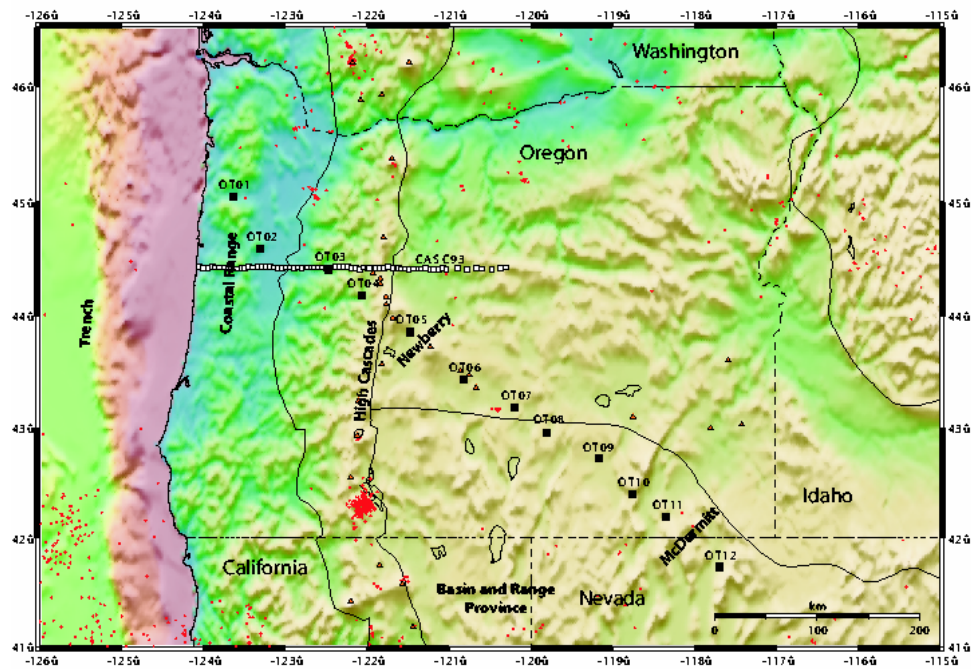
In the few days that followed setting up our stations we recorded two large earthquakes, a magnitude 6.8 event that occurred in Northern Algeria on May 21<sup>st</sup>, and a magnitude 5.9 event that occurred on May 23<sup>rd</sup> in Panama. Although the earthquakes were not felt in North

America, the instruments we installed registered the ground vibrations very clearly, and a record of the Algerian earthquake is shown on the bottom of the page. An interesting aspect of this record is that the earthquake occurred at 6:44 pm, and was detected by our stations at 6:57 pm. This means it took 13 minutes for the earthquake waves to travel from Africa, through the earth, and reach our stations in Oregon! Seismic records like this will help us accomplish our goal of understanding what is happening to the Juan de Fuca plate under Oregon, and the structure of the earth beneath the Newberry Caldera.

Once again, thank you for your help and cooperation with this project. We look forward to seeing you again in the next few months.

-The OATS team





This map shows the locations of stations used for the project



-Working in the rain takes a team effort!



-Lee, Rob, Mei and Drew, happy to have set up the last station!

If you have any questions or comments about our work please feel free to contact:

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