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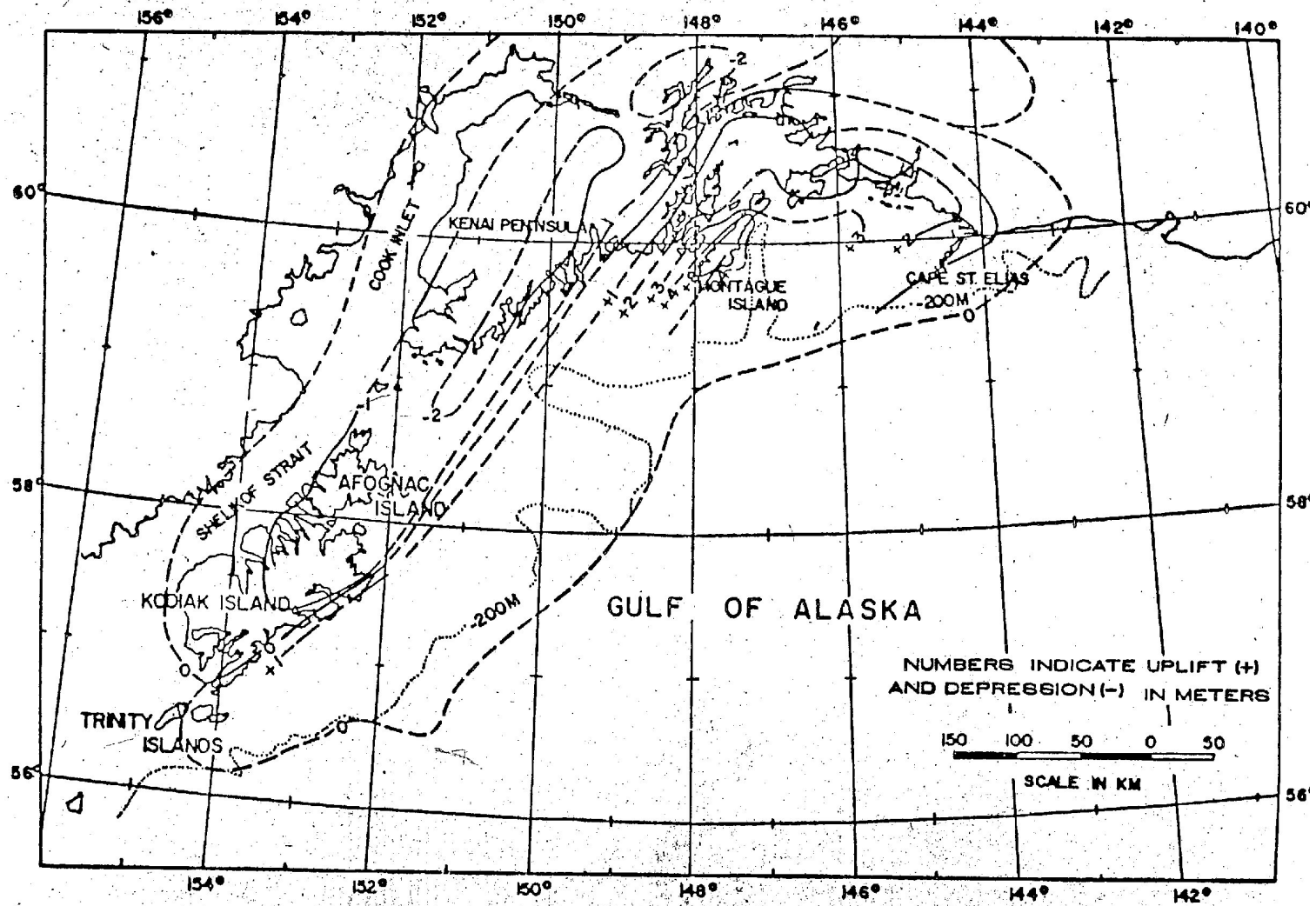
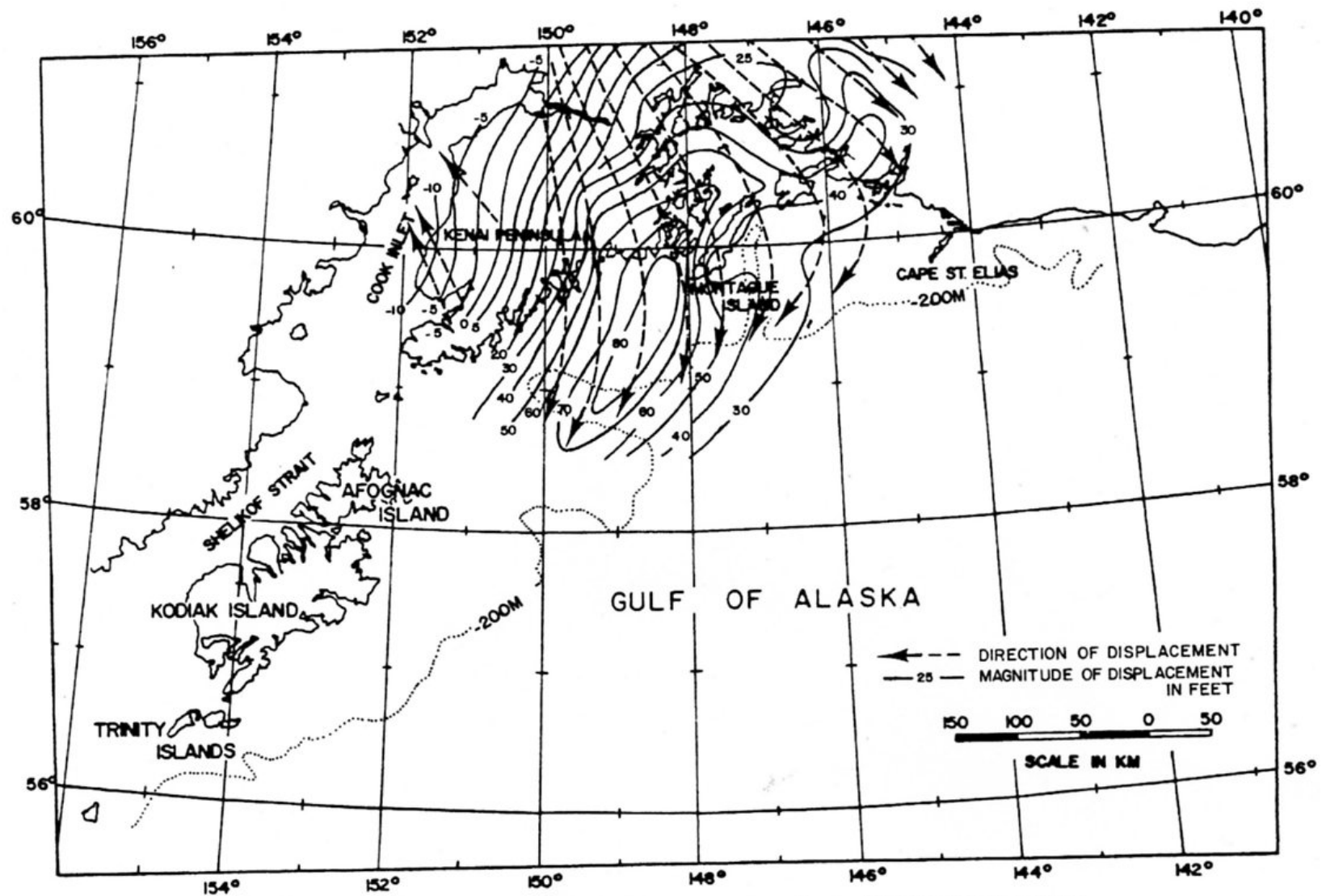
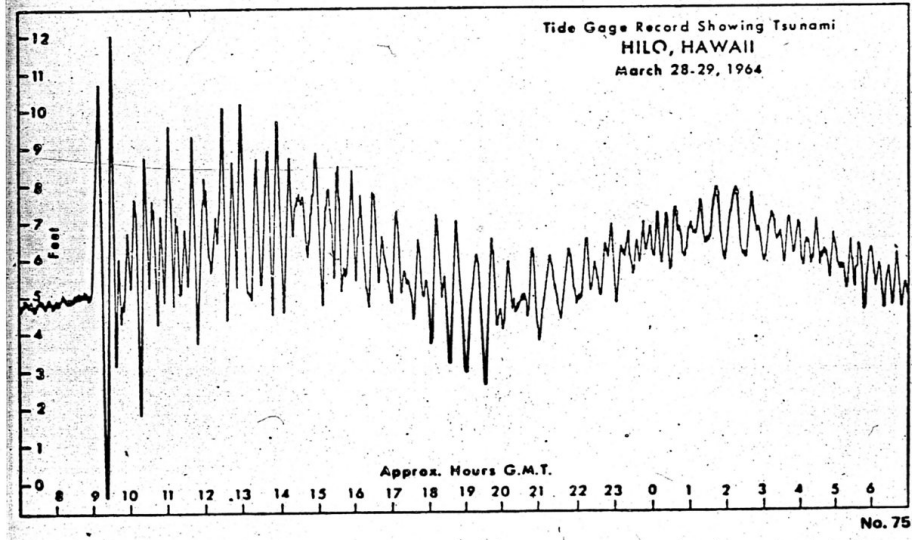
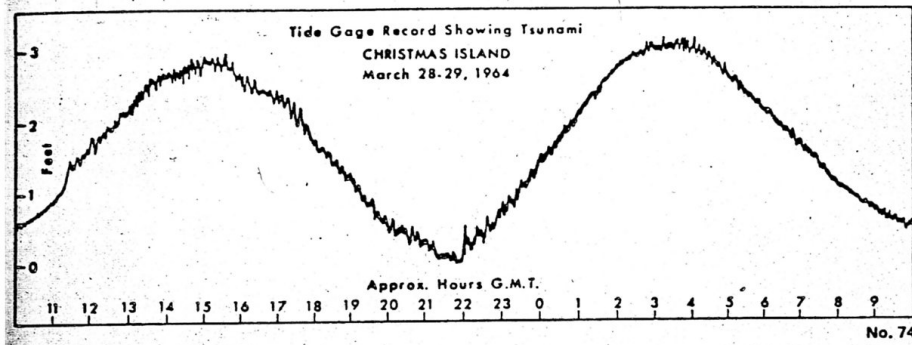


FIGURE 5 Vertical crustal displacement associated with the Alaska earthquake (after Plafker, 1965).



Map showing maximum coastal displacements associated with the Alaska earthquake (after Wilson and Tørum, 1968).



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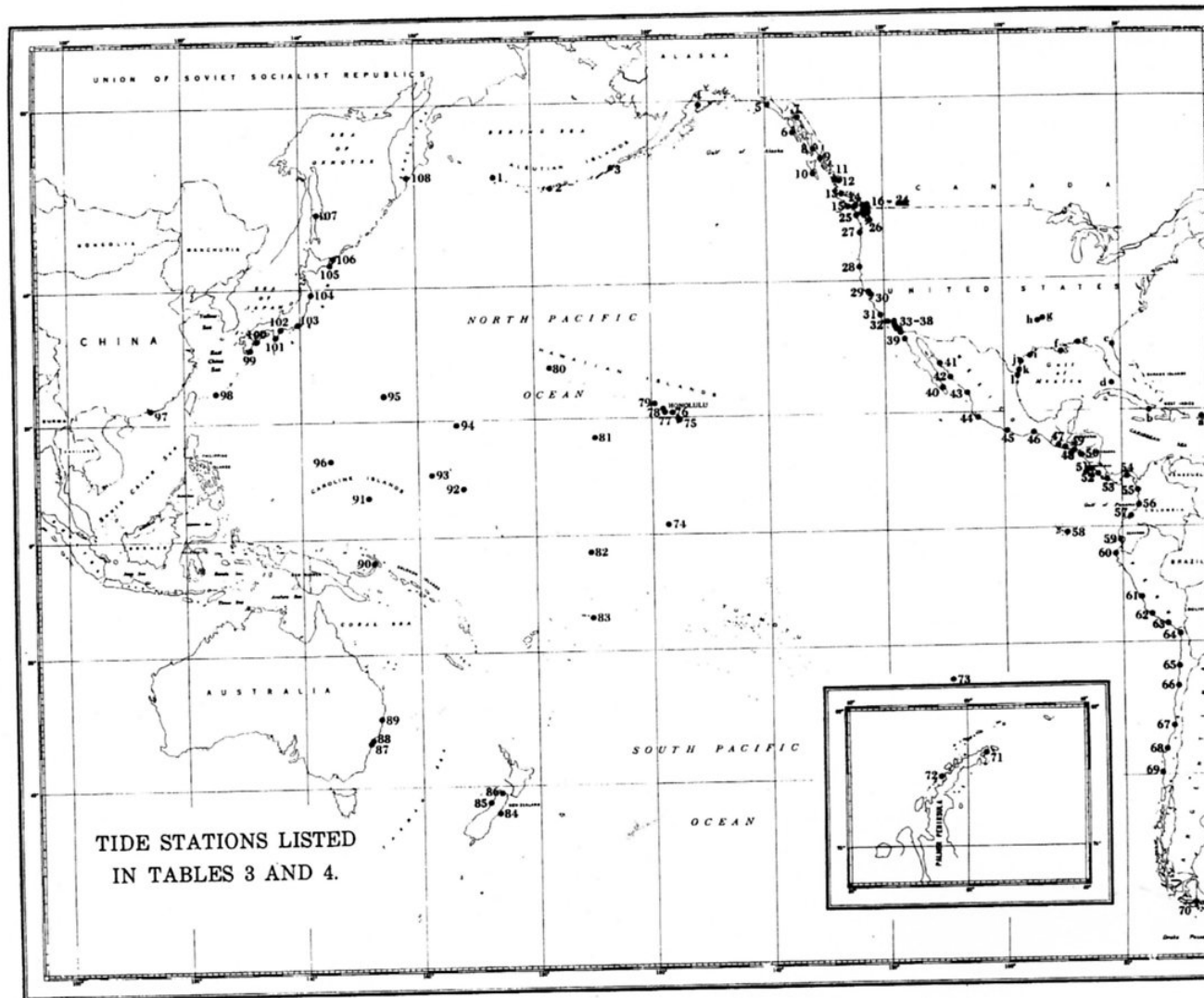
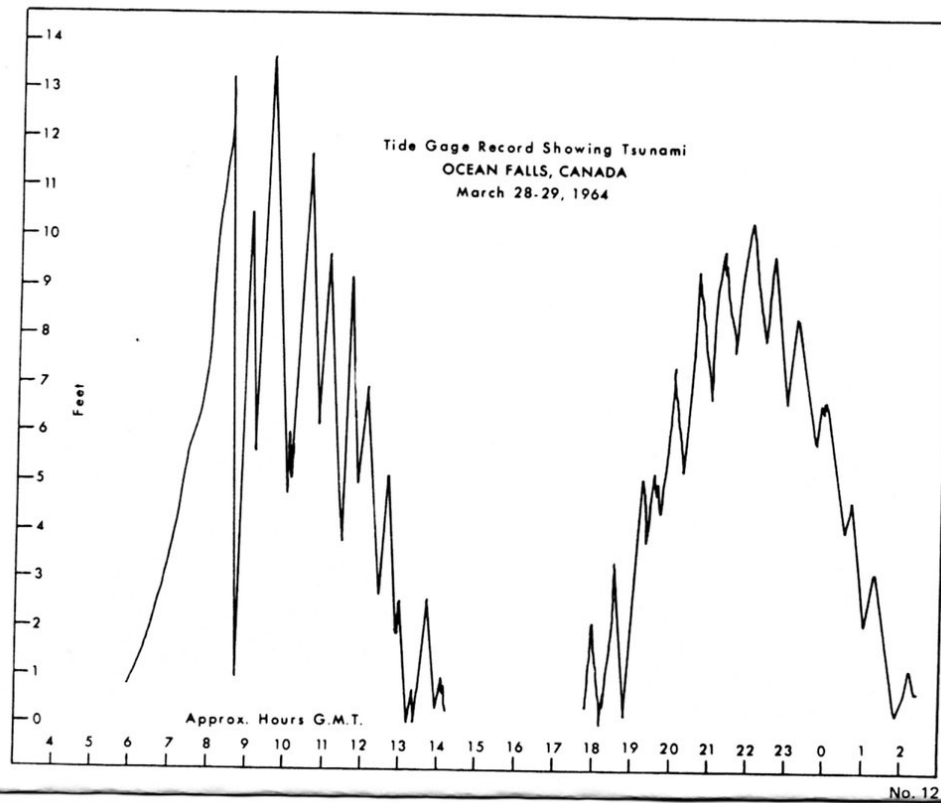
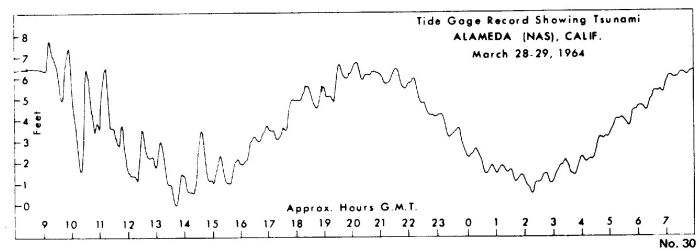
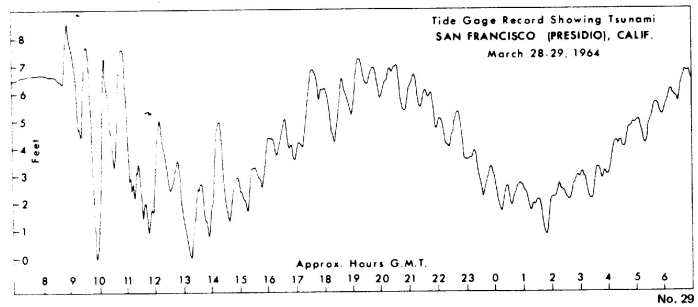
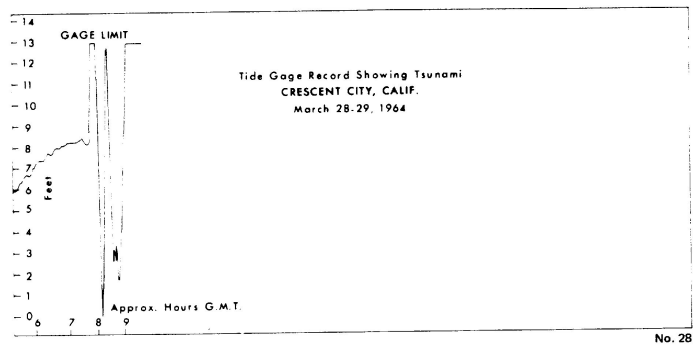
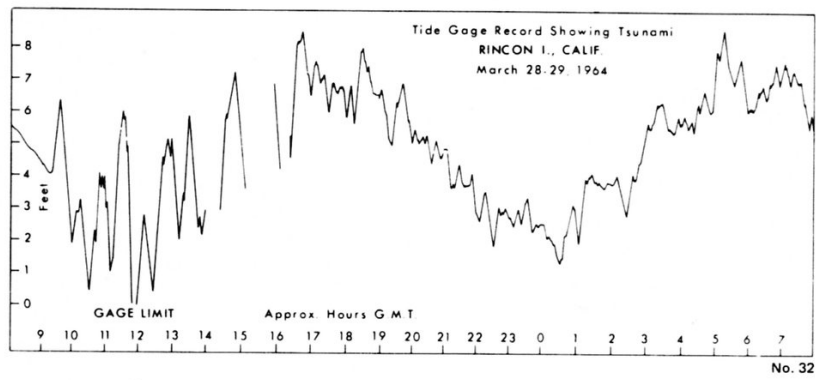
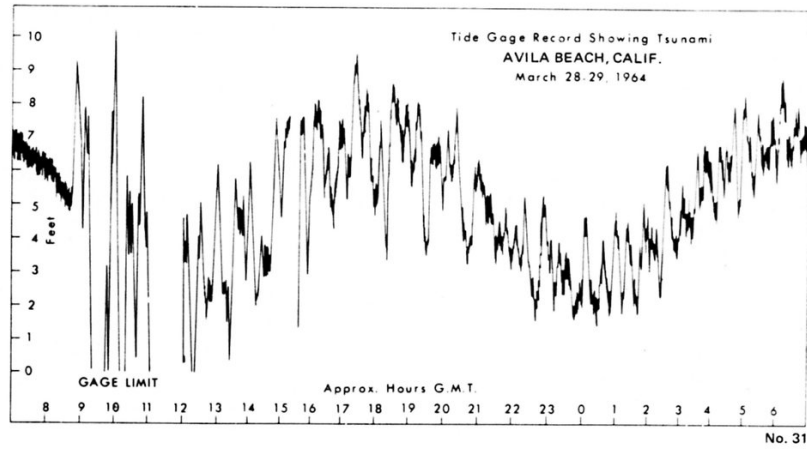


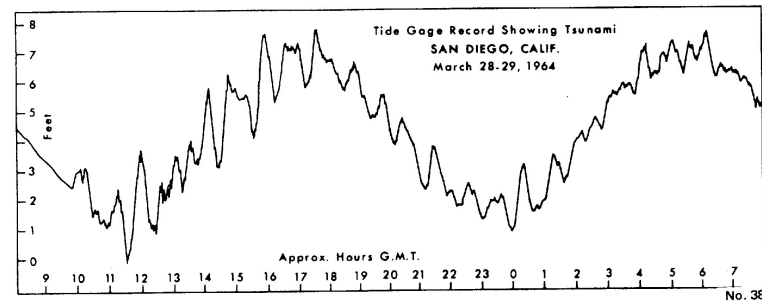
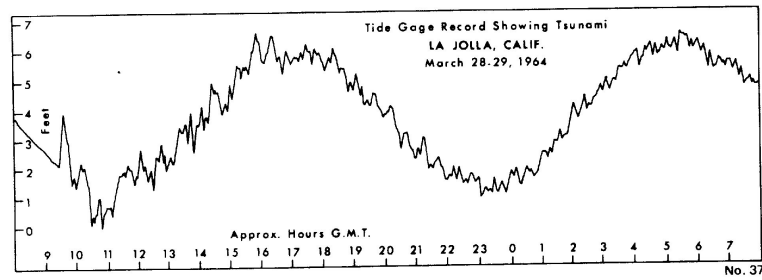
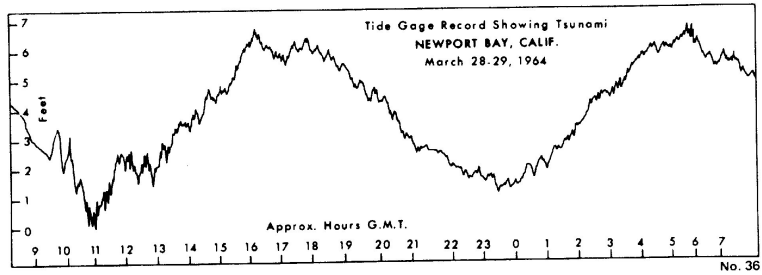
FIGURE 11 Locations of tide stations.

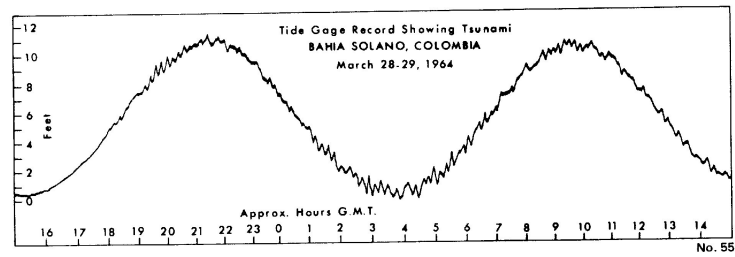
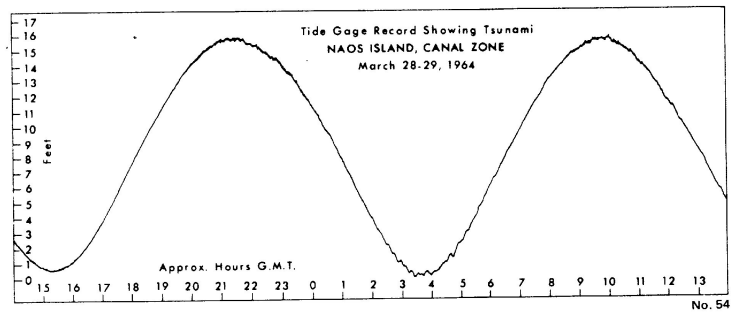
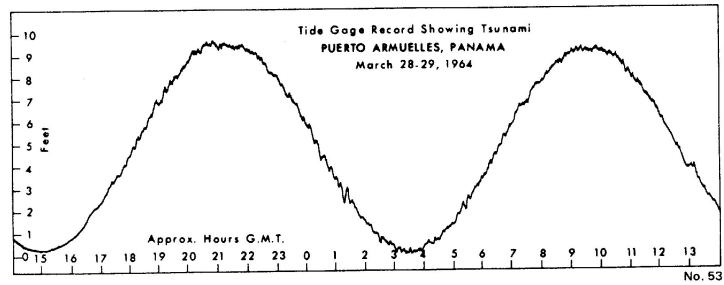


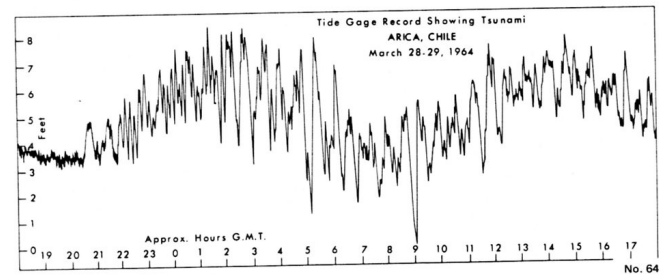
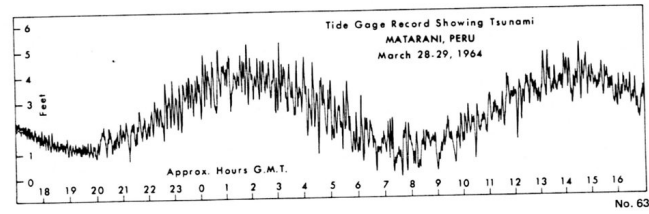
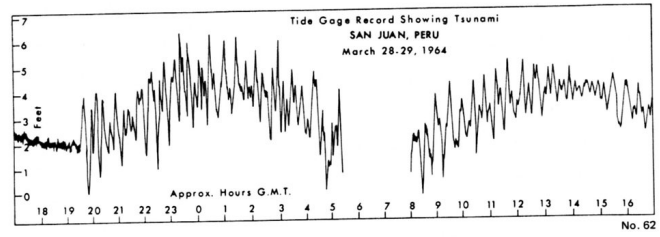


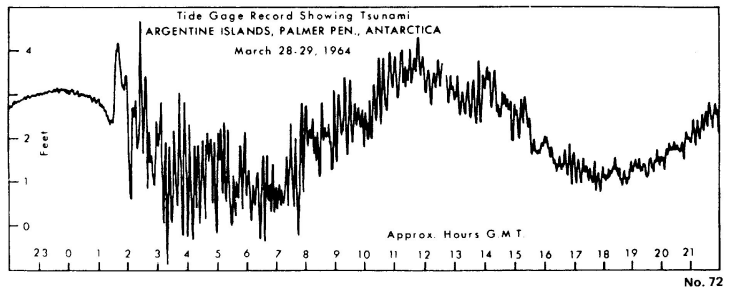
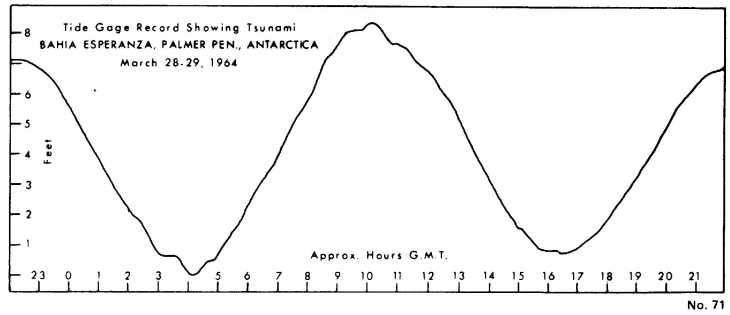
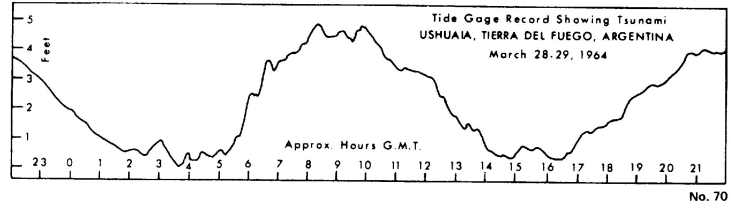


THE TSUNAMIS AS RECORDED AT TIDE STATIONS AND THE SEISMIC SEA WAVE WARNING SYSTEM

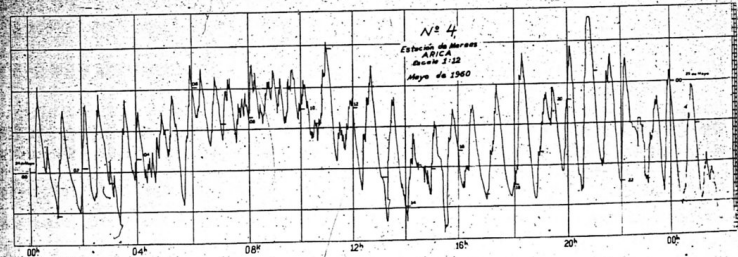
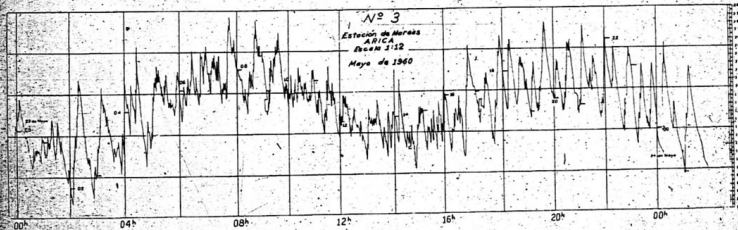
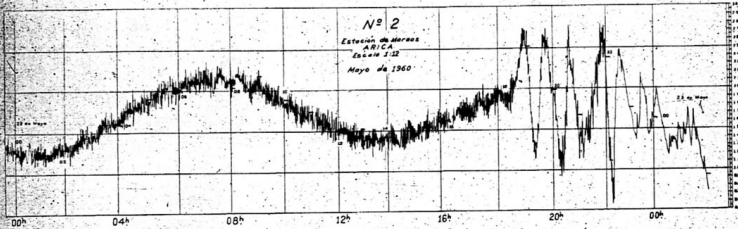
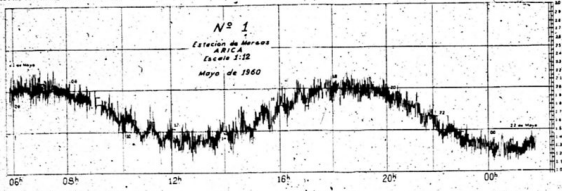






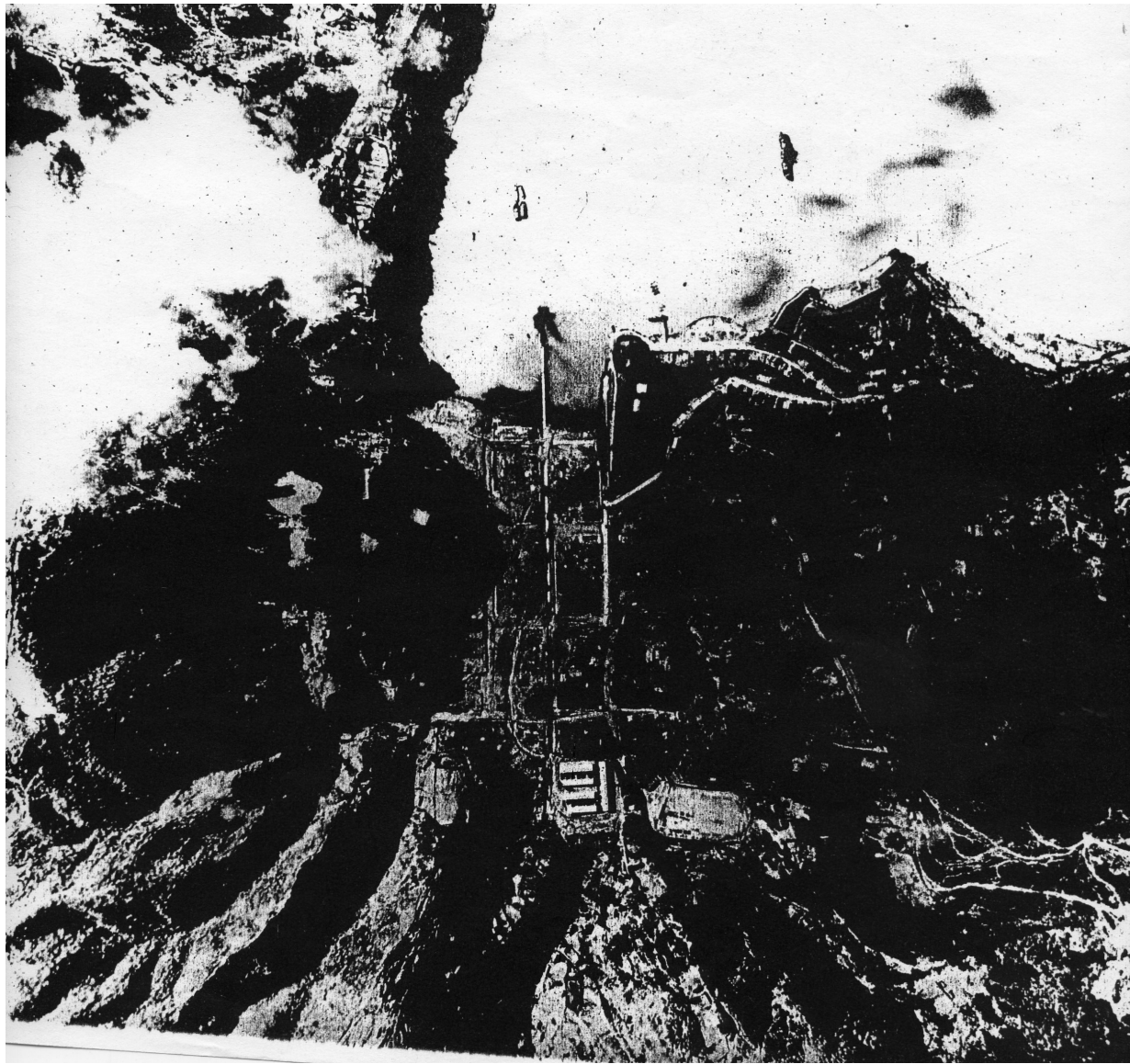


The Chilean Sea Way of 22 May 1960 Along the Chilean Coast - Hillochil, I. Mieres, P. Gallardo, Estrella, and Guillermo Barros



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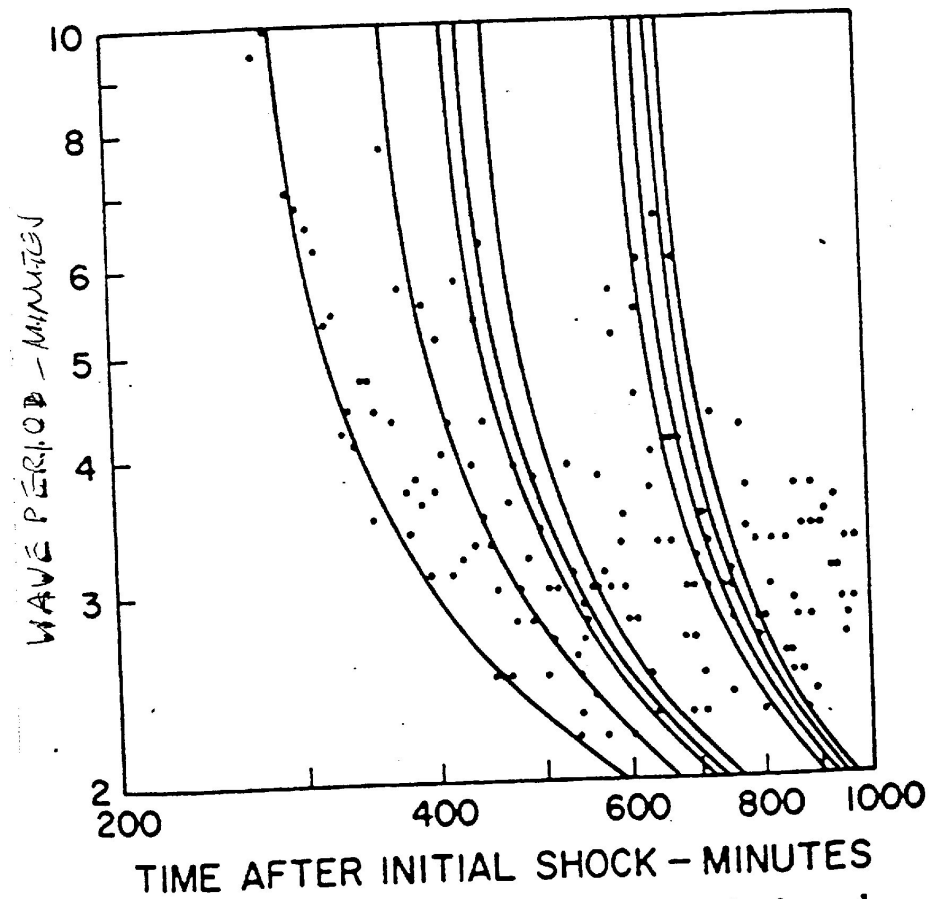
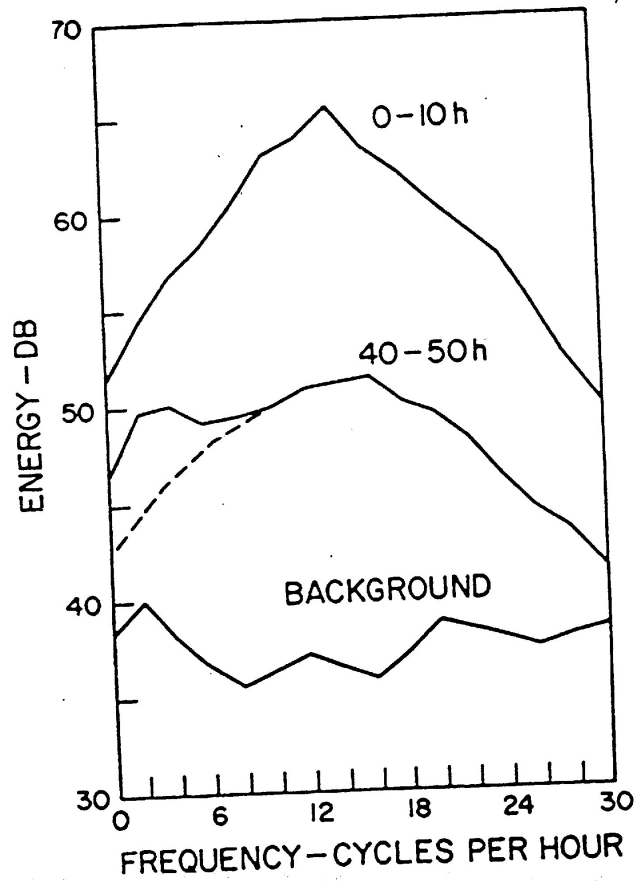


FIG. 8. Dispersion curves for early earthquake shocks and ave arrival times for the 9 March 1957 tsunami at Wake Island.



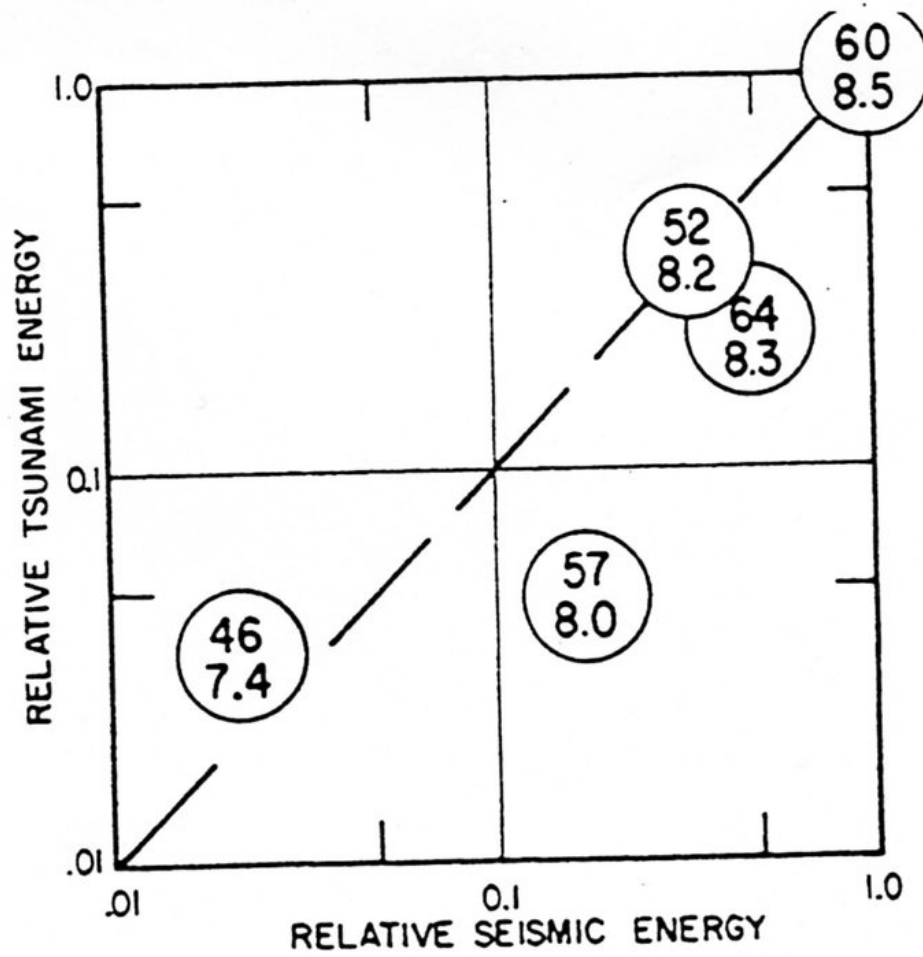


FIG. 4. Regression line for tsunami versus seismic energy.

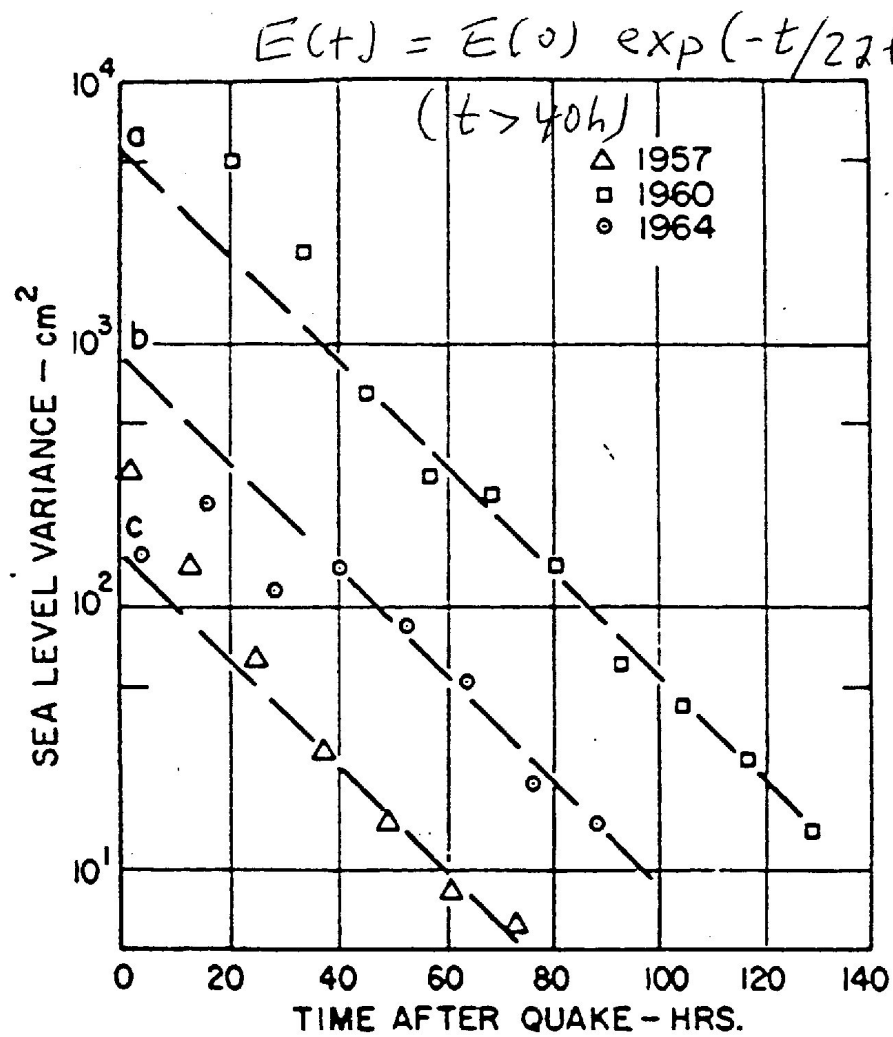
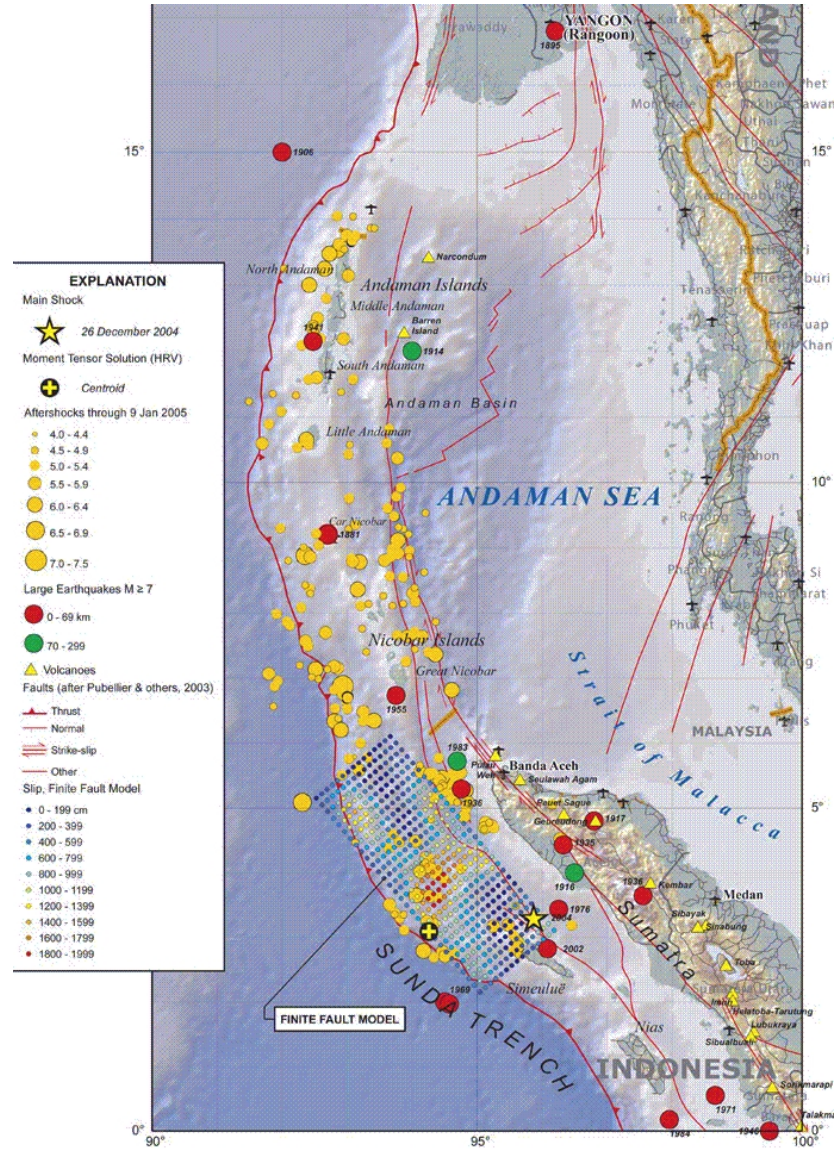
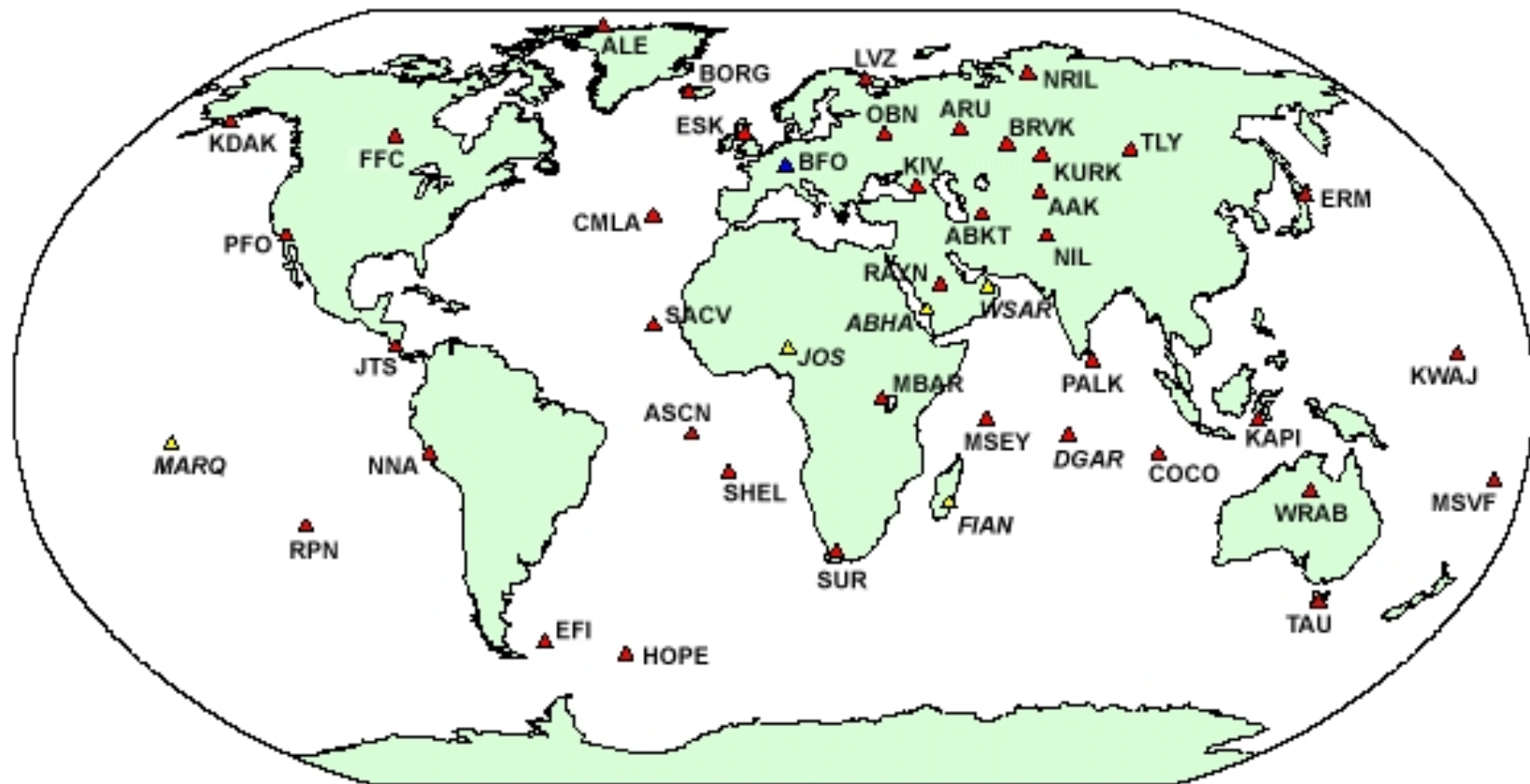
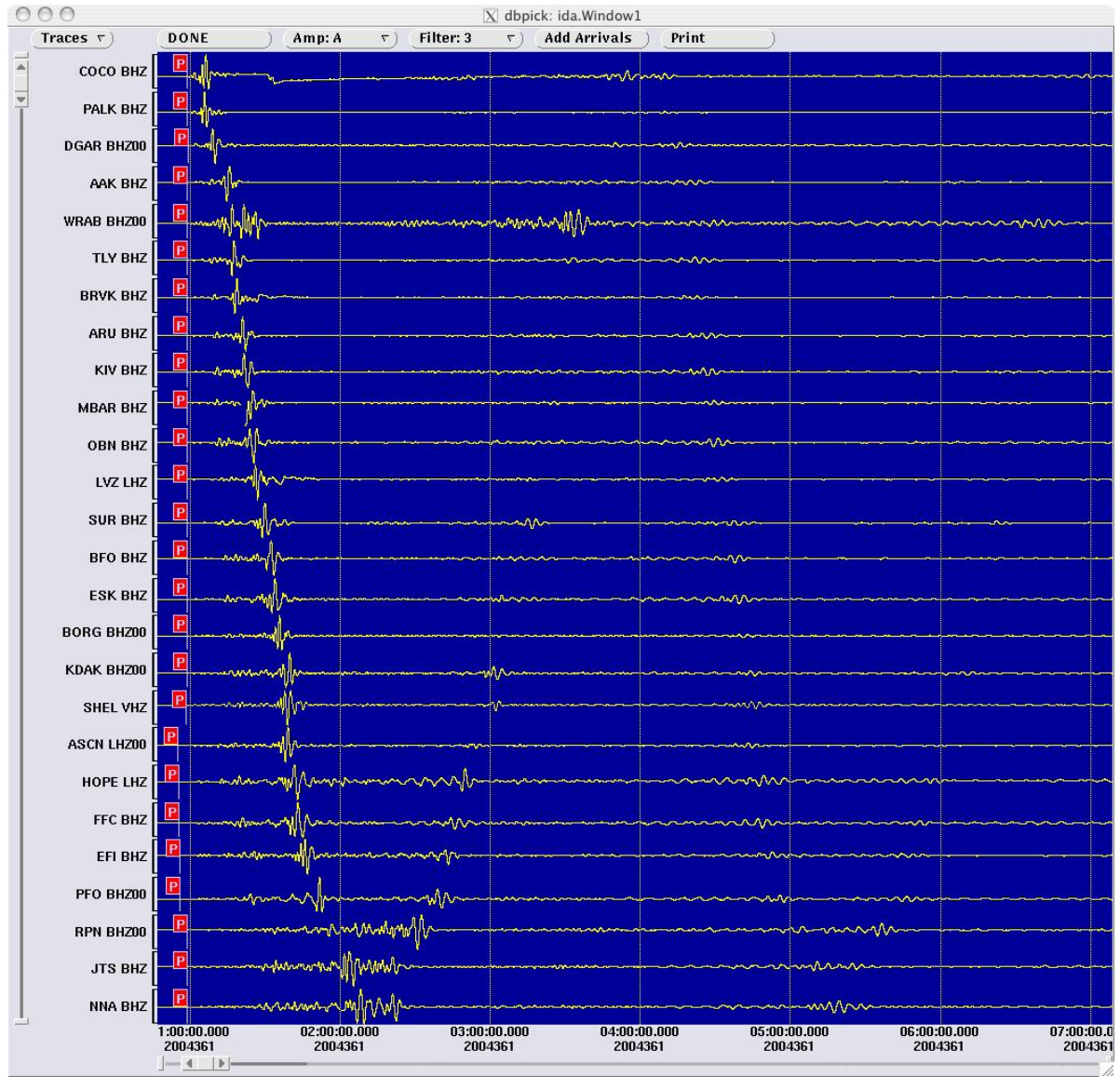


FIG. 2. Decay of variance for three tsunamis at Attu, Aleutian Islands.

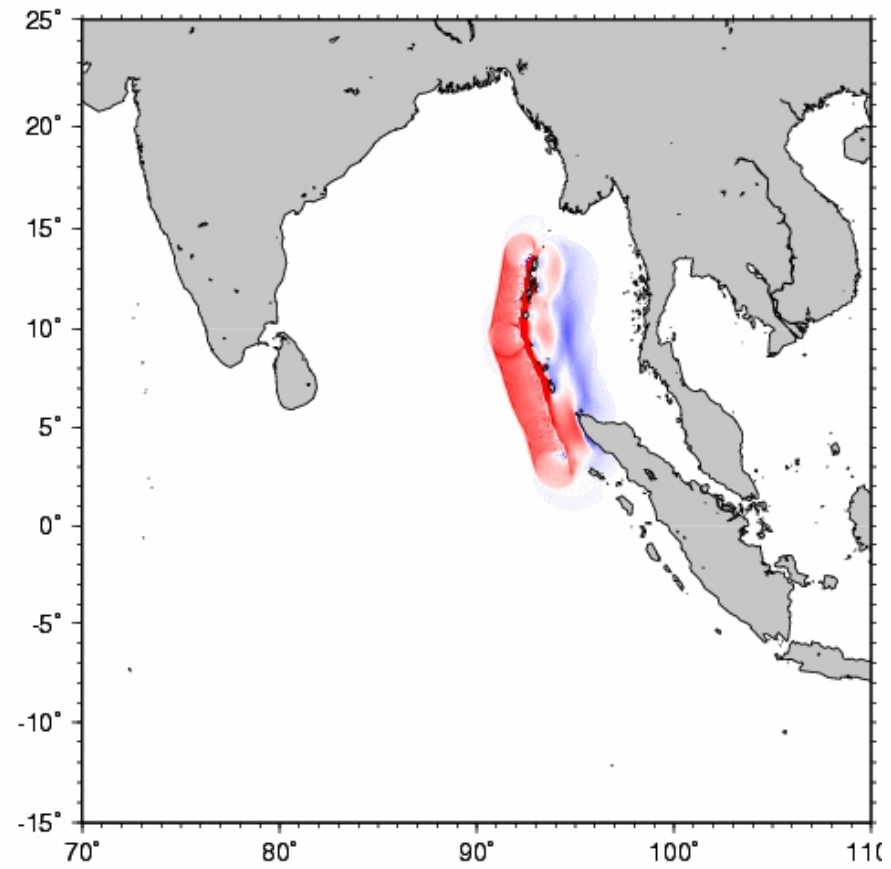




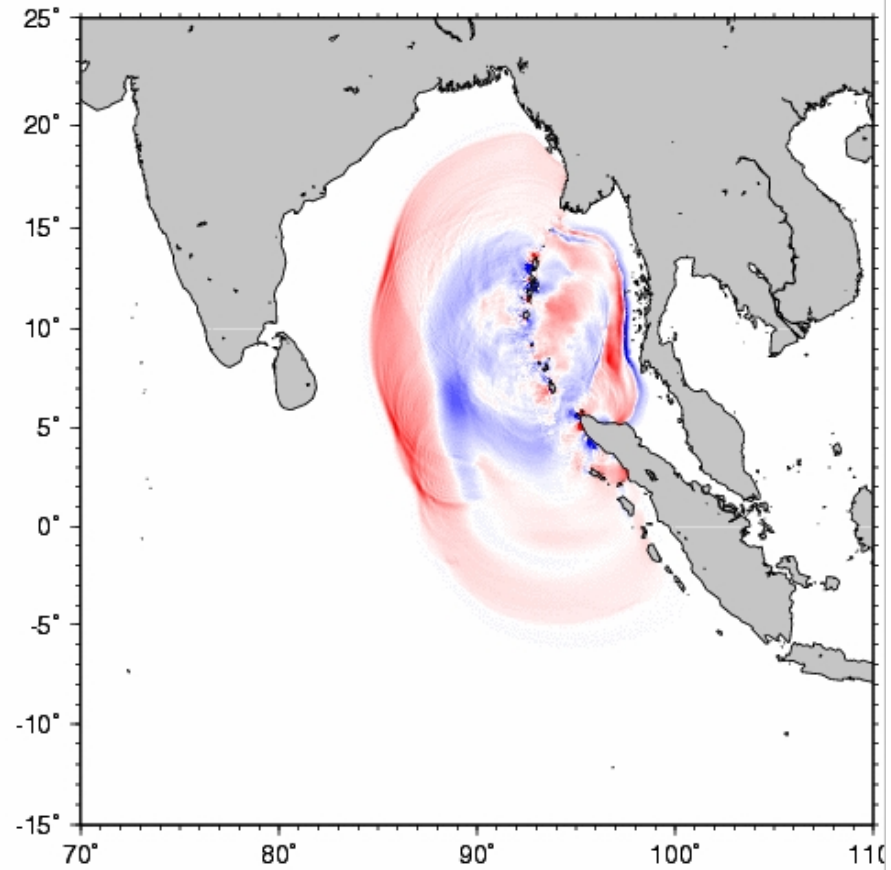
▲ Current Station ▲ Coming Soon



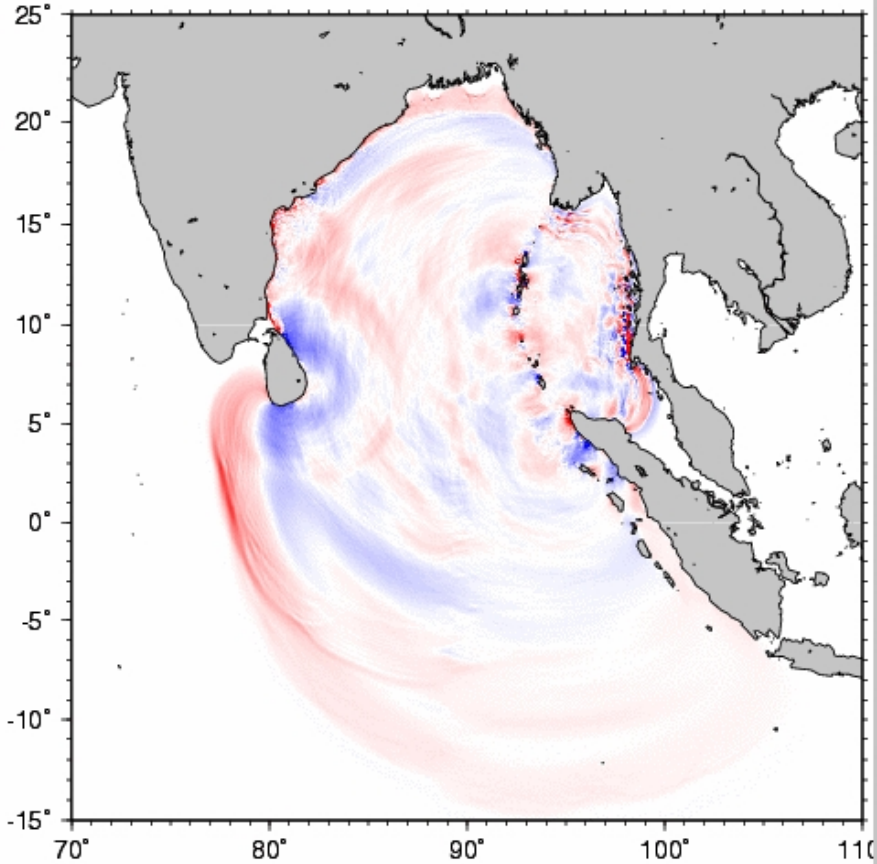
2004 Sumatra Earthquake 010 min



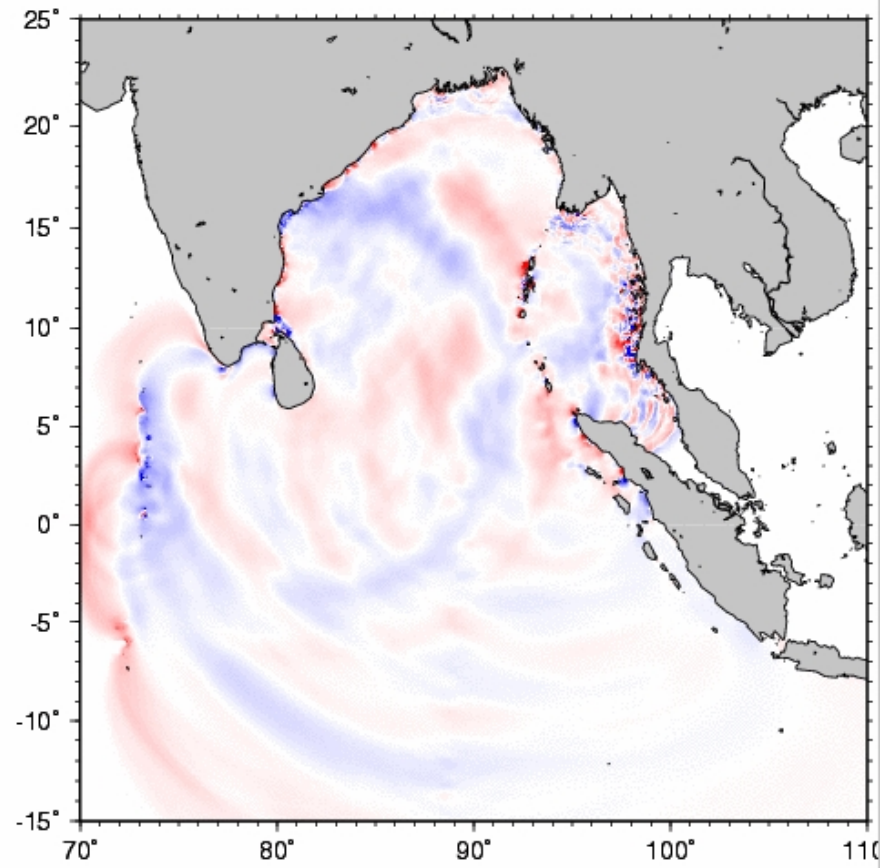
2004 Sumatra Earthquake 070 min

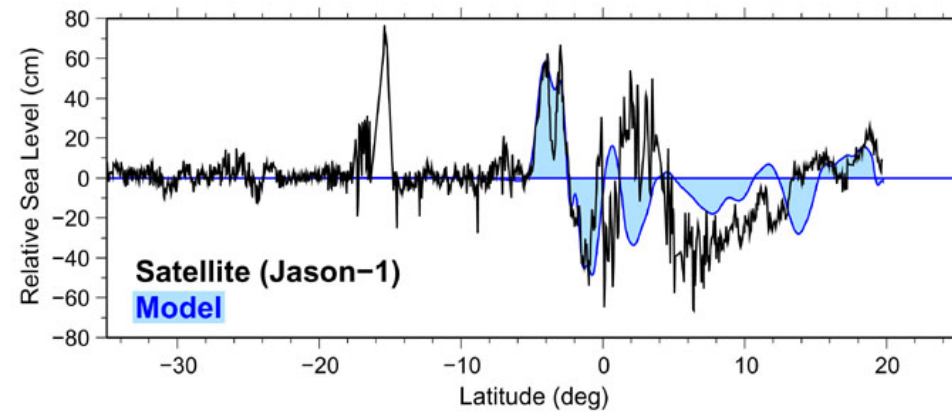
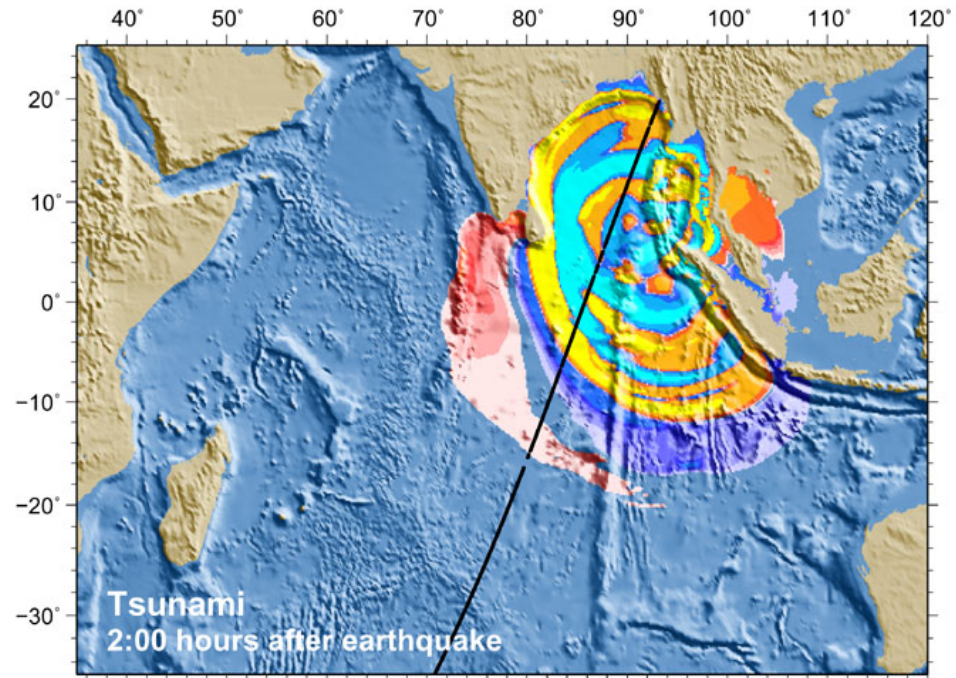


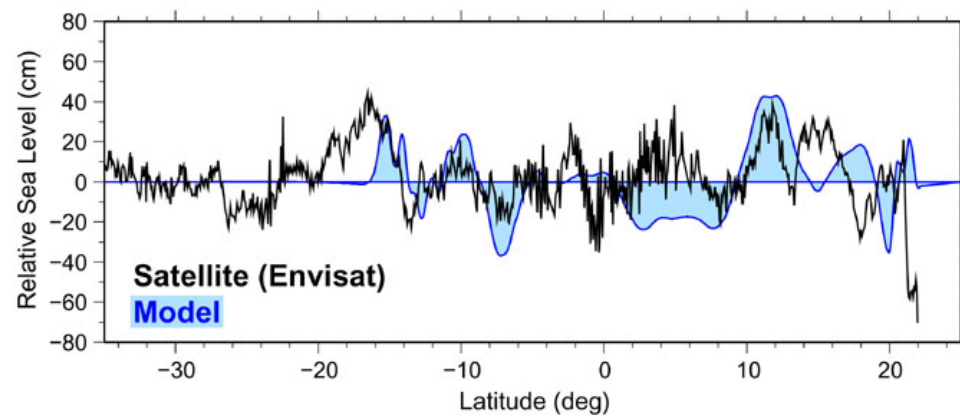
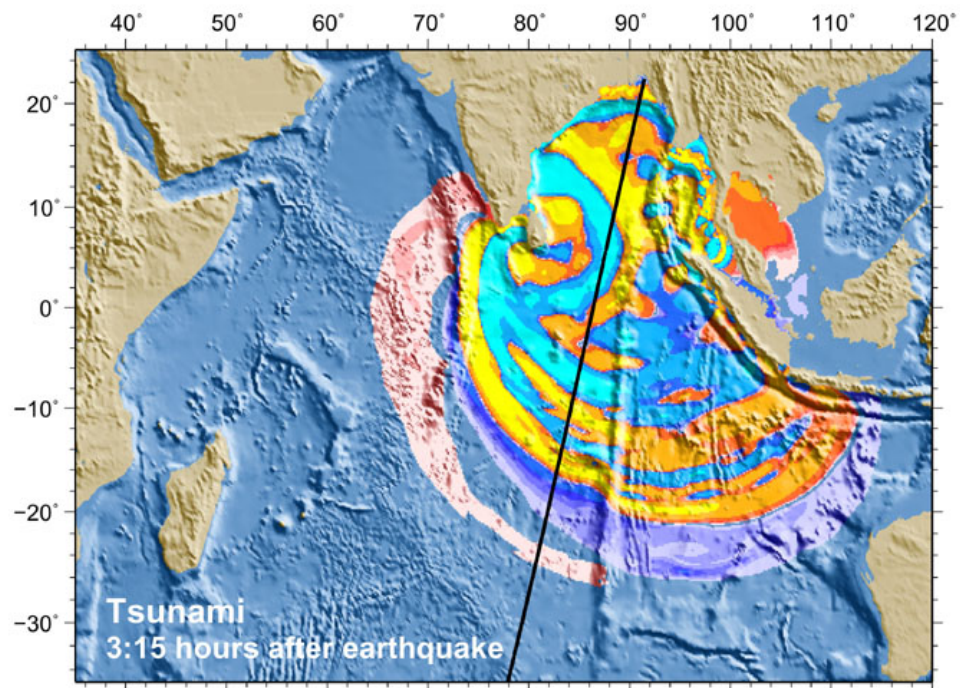
2004 Sumatra Earthquake 150 min

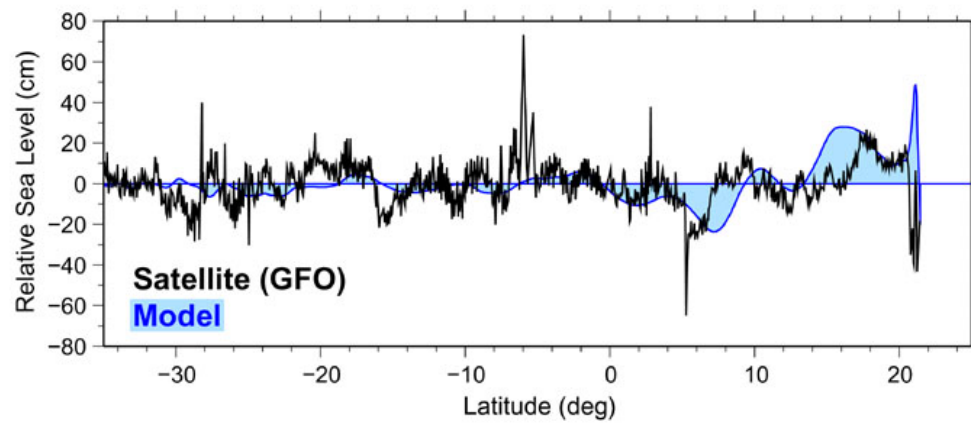
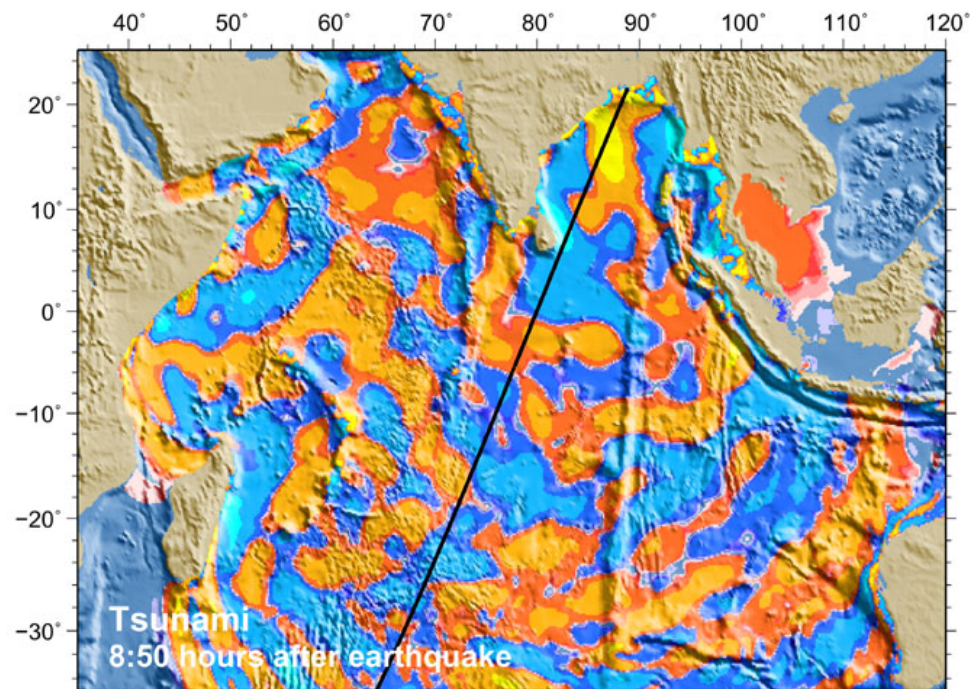


2004 Sumatra Earthquake 230 min

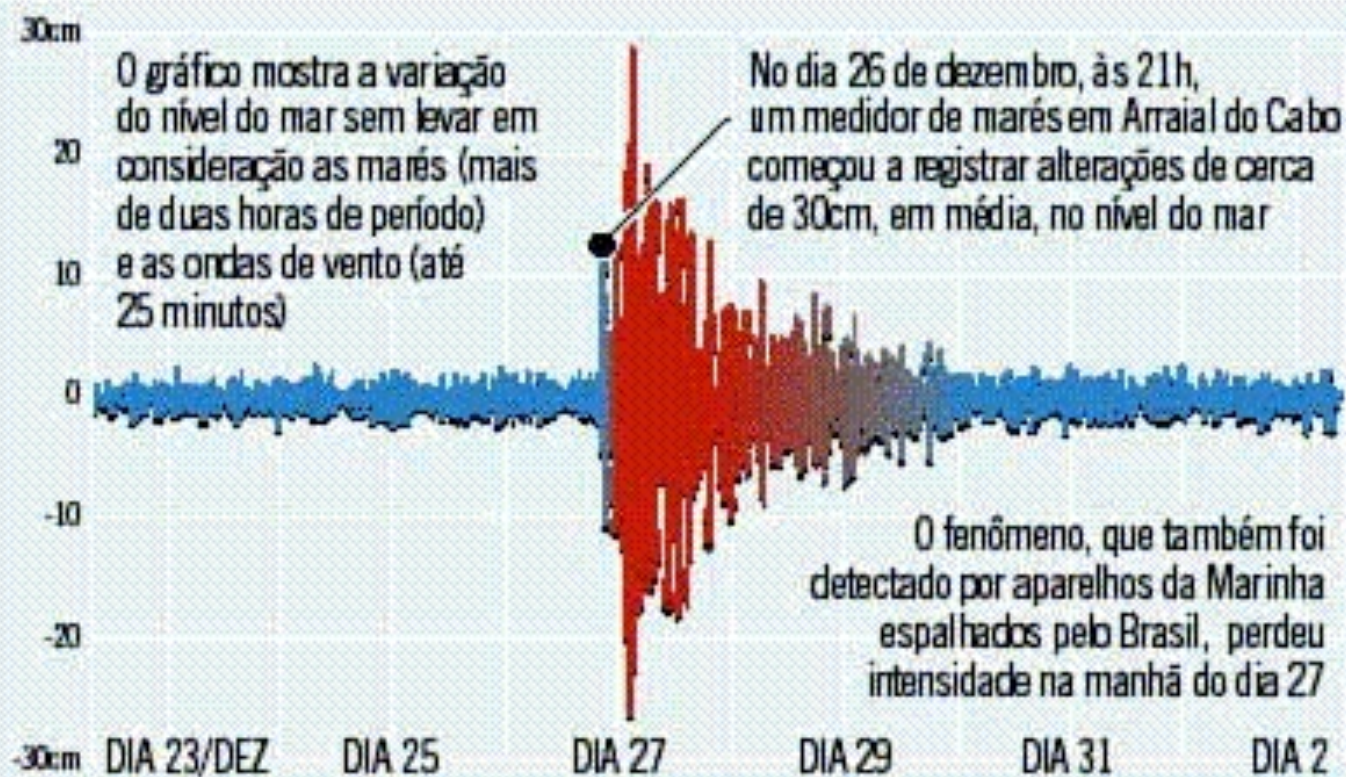






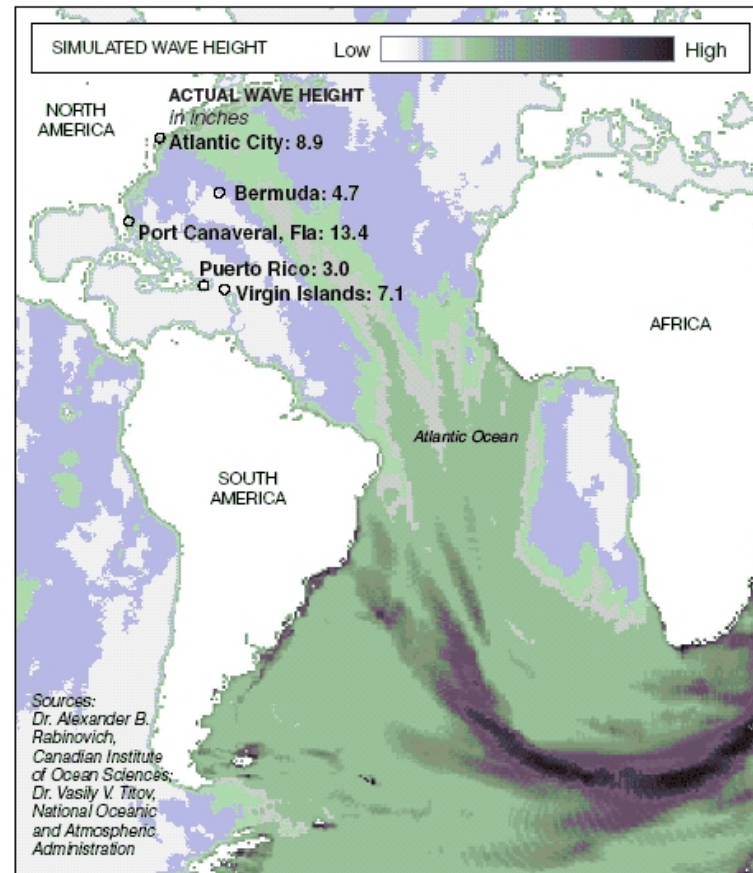


O reflexo das ondas gigantes



Even in the Atlantic

Scientists found evidence that the tsunami from the Dec. 26 earthquake was felt along the eastern United States about 32 hours later. Tide gauge data gibeled with computer simulations of the wave (background shading).



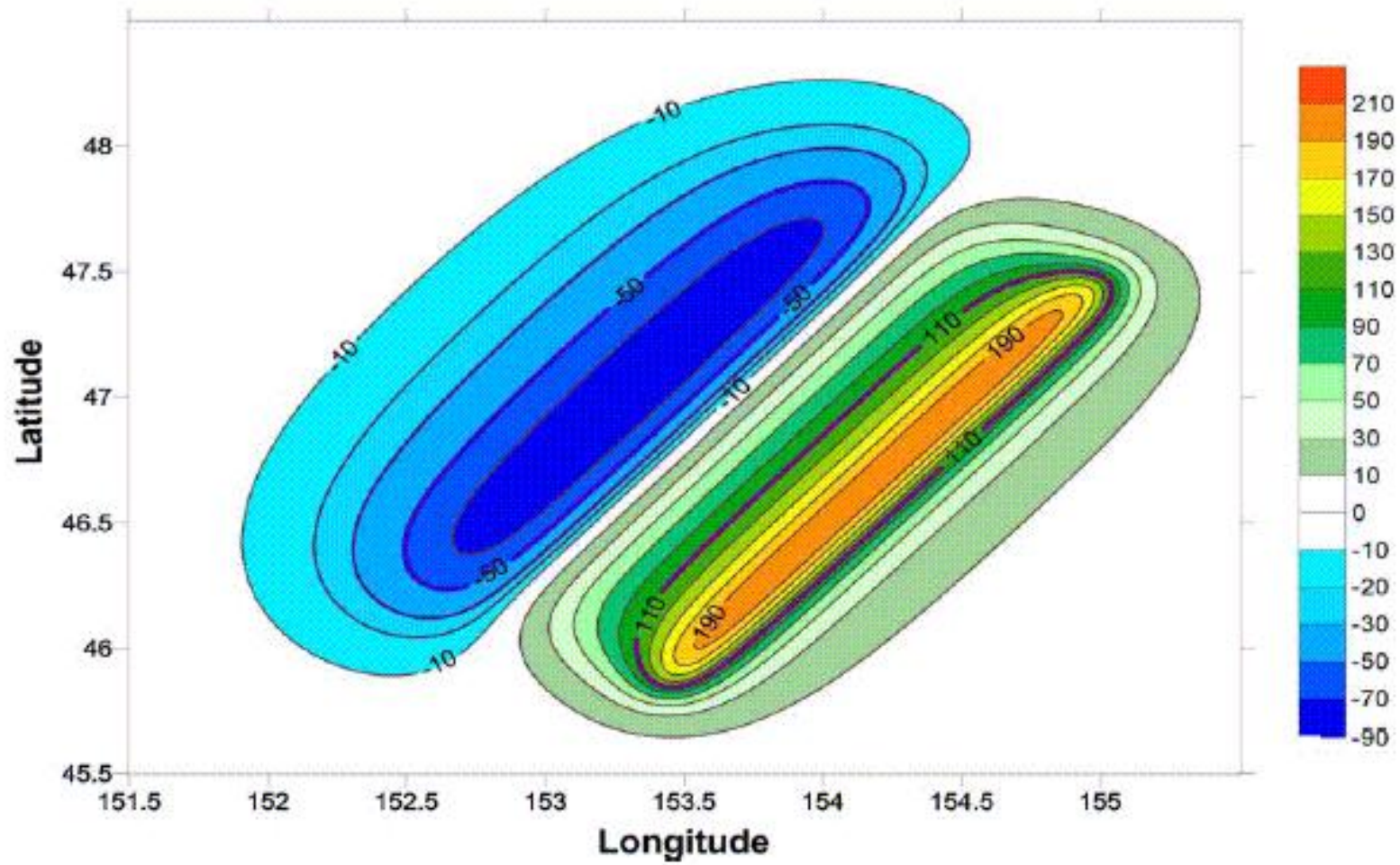


Figure 1. The source function for the tsunami of 15 Nov.2006.

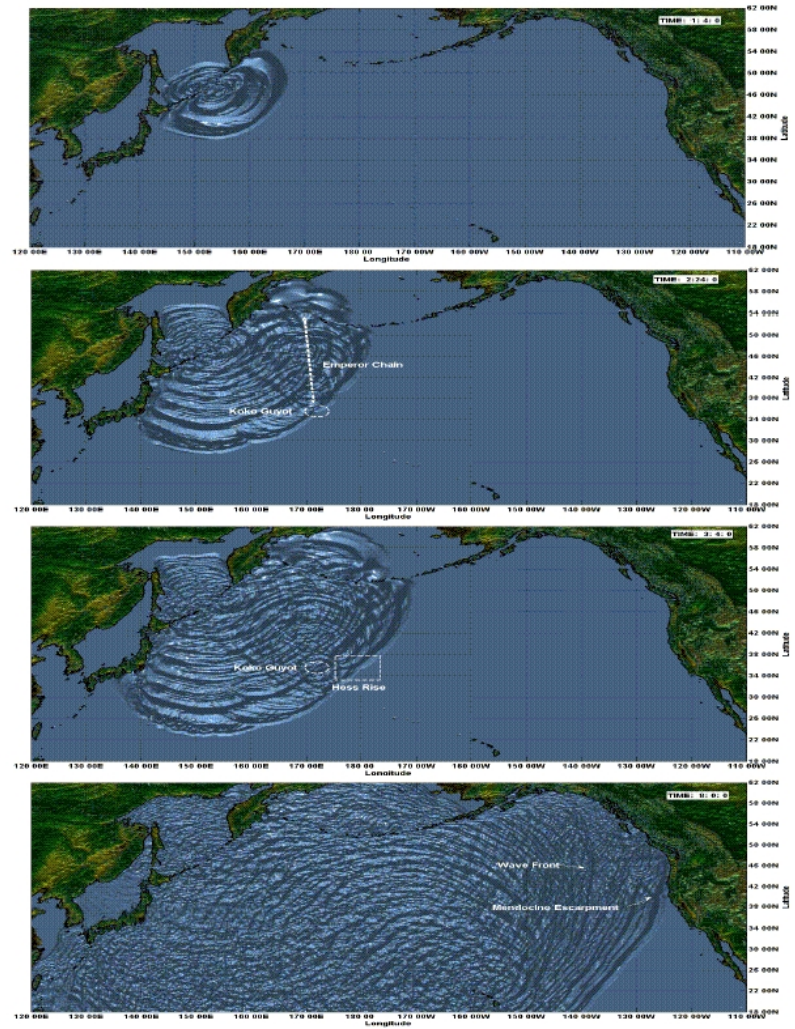


Figure 4. Snapshots of Kuril tsunami development in the Northern Pacific. Large bathymetric features, like Koko Guyot and Hess Rise scatter tsunami in directions different from the incident direction. Time is given from the tsunami onset.

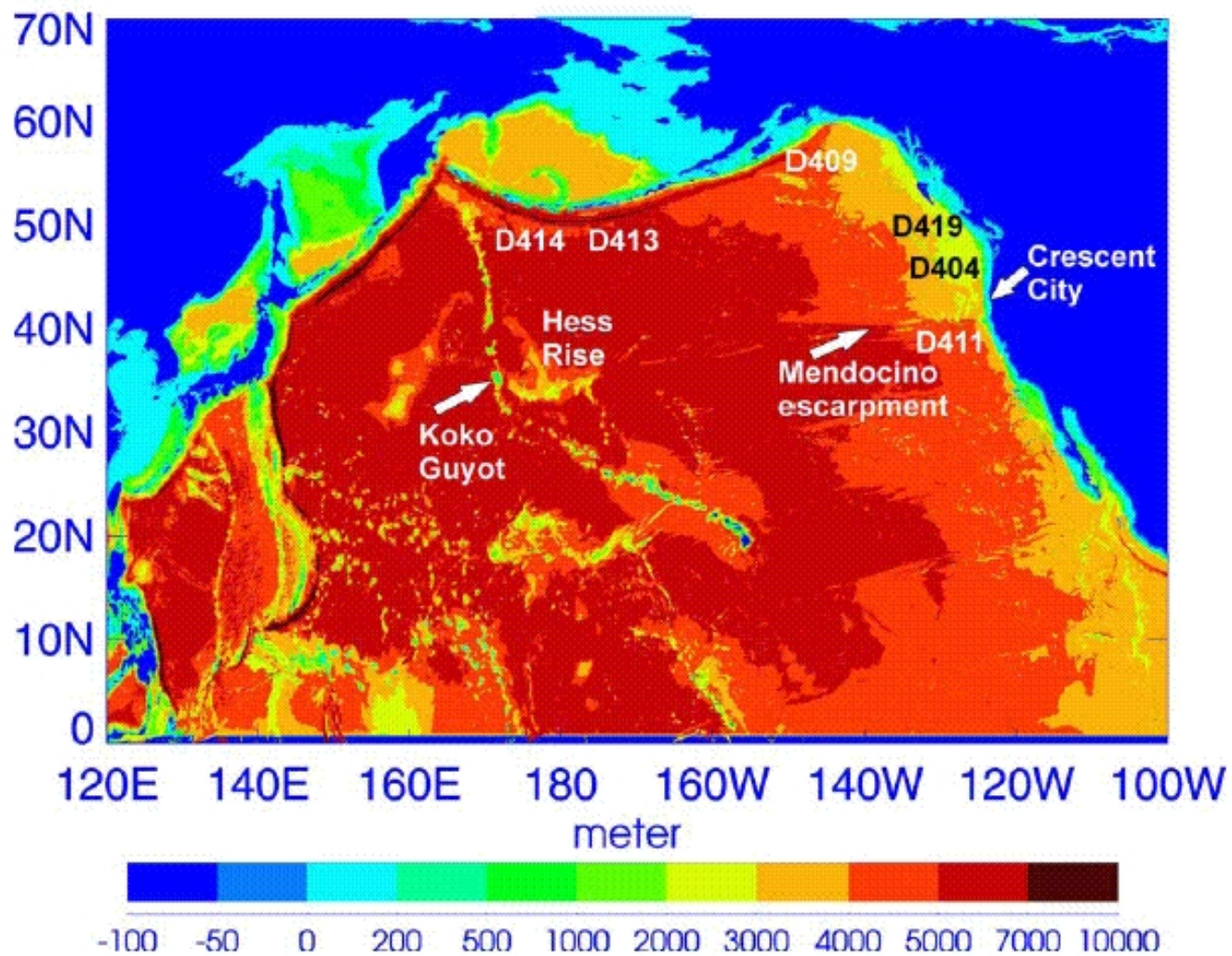


Figure 3. One minute resolution bathymetry based on the GEBCO Atlas. Shown are dart buoys used in comparison with model.

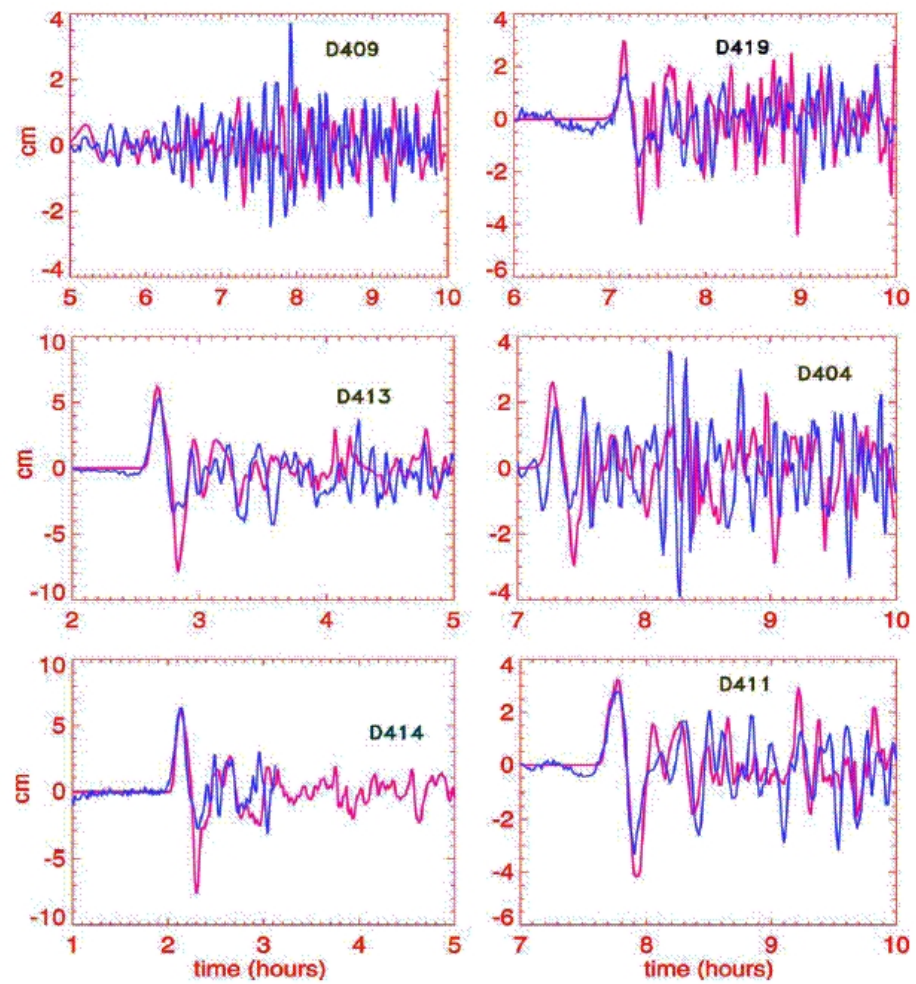


Figure 5. Sea level during Kuril Tsunami of Nov. 15, 2006. Blue color: recorded by dart buoys, red color: model computation. Time is given from the tsunami onset.

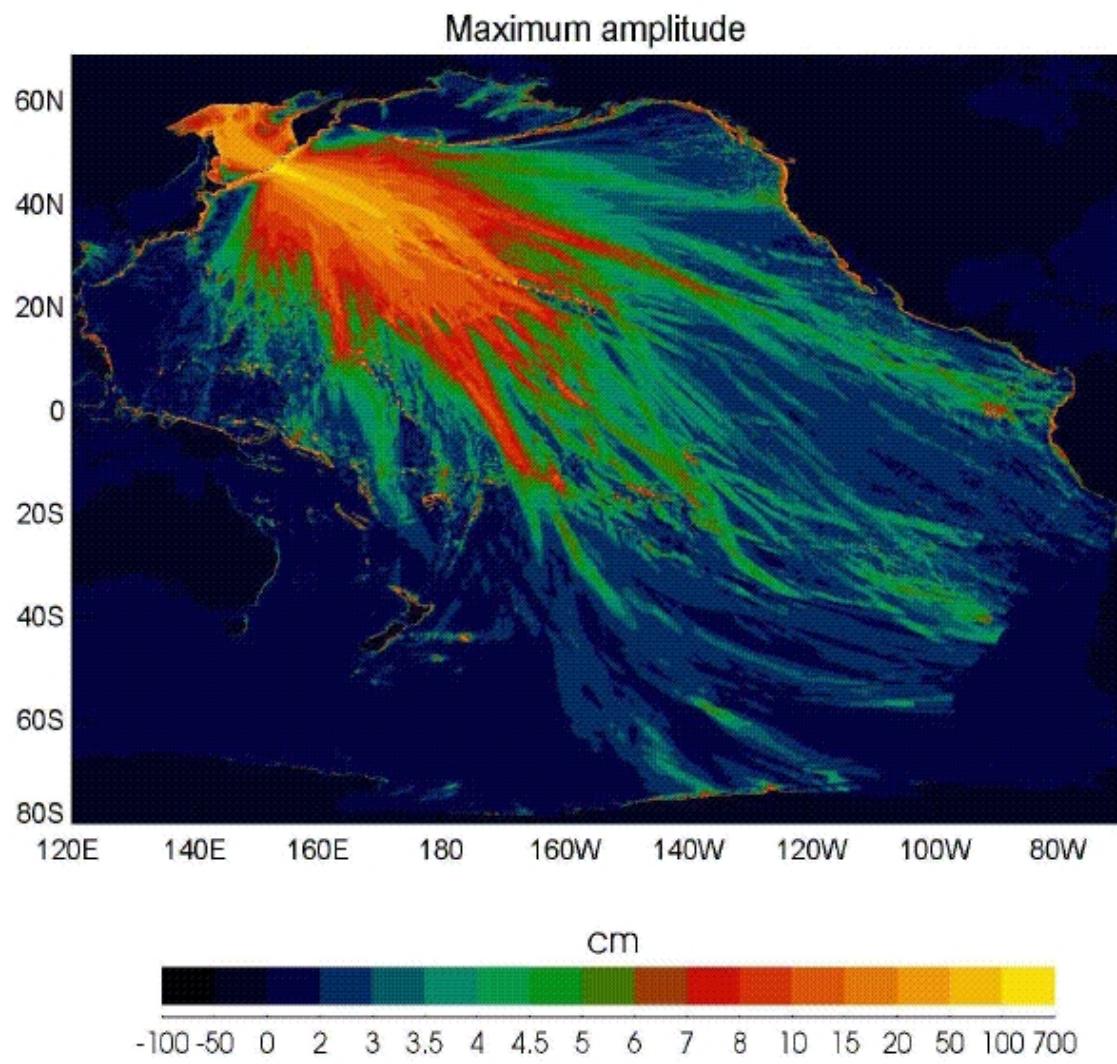
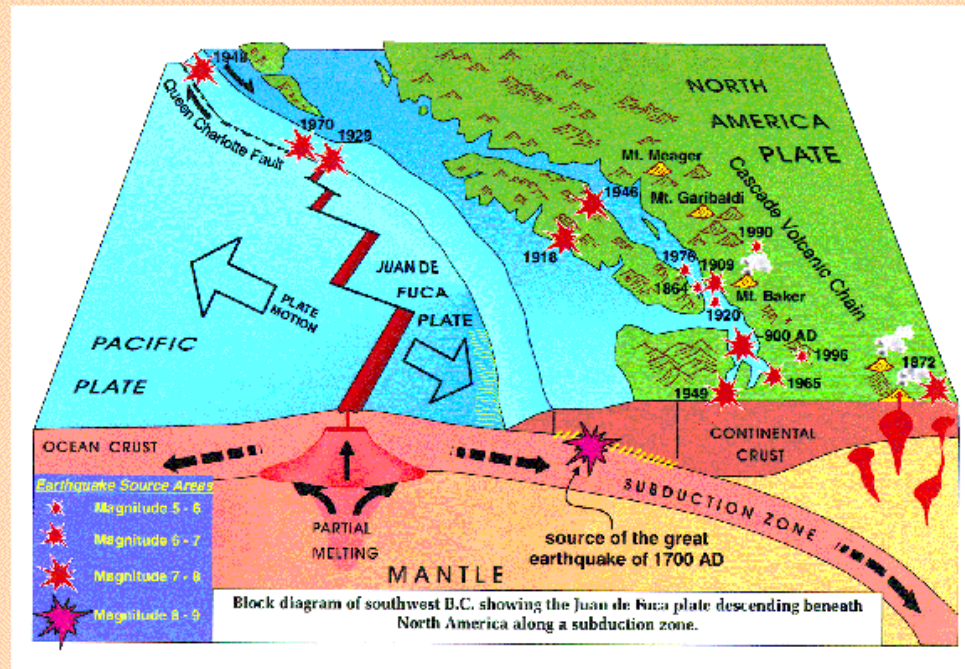


Figure 2. Maximum modeled tsunami amplitude in the Pacific.



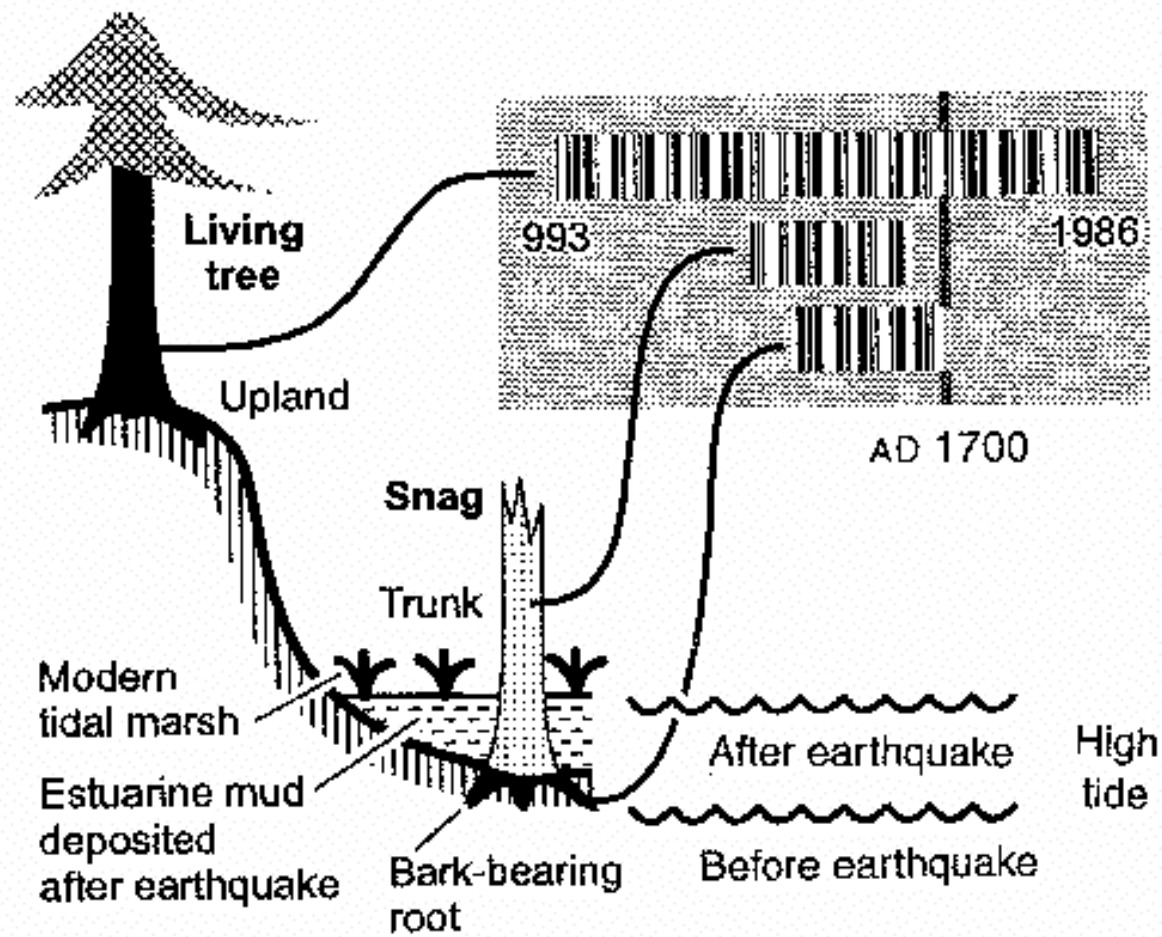
The Cascadia subduction zone

This block diagram shows subduction of the oceanic Juan de Fuca plate beneath continental crust of North America. Geophysical evidence demonstrates that the subduction zone is locked and accumulating strain that will be released in future great (magnitude 8 or larger) earthquakes. There is abundant geological evidence in tidal marshes along the Pacific coast from Vancouver Island to northern California for repeated, historically unprecedented great earthquakes in the recent past. The diagram also shows the locations of large (magnitude 6-7+), historic, crustal and subcrustal earthquakes in southern British Columbia and northern Washington.



Tsunami sand beneath tidal marsh at Tofino, BC

A layer of clean sand is sharply bounded by peat and mud in a pit dug at a marsh just east of Tofino on the west coast of Vancouver Island. The sand occurs as a sheet that thins and fines landward and contains marine microfossils. It was deposited by a landward surge of seawater at the time of the last great earthquake at the Cascadia subduction zone in A.D. 1700. (photo by John Clague).





Western red cedar snags along the Pacific Northwest coast of the U.S. bear evidence of the 1700 tsunami. These