WEST COAST & ALASKA TSUNAMI WARNING CENTER

Sat Feb 27 10:57:45 GMT 2010

Advisory in effect

Tsunami message from WCATWC

To: U.S. West Coast, Alaska, and British Columbia coastal regions

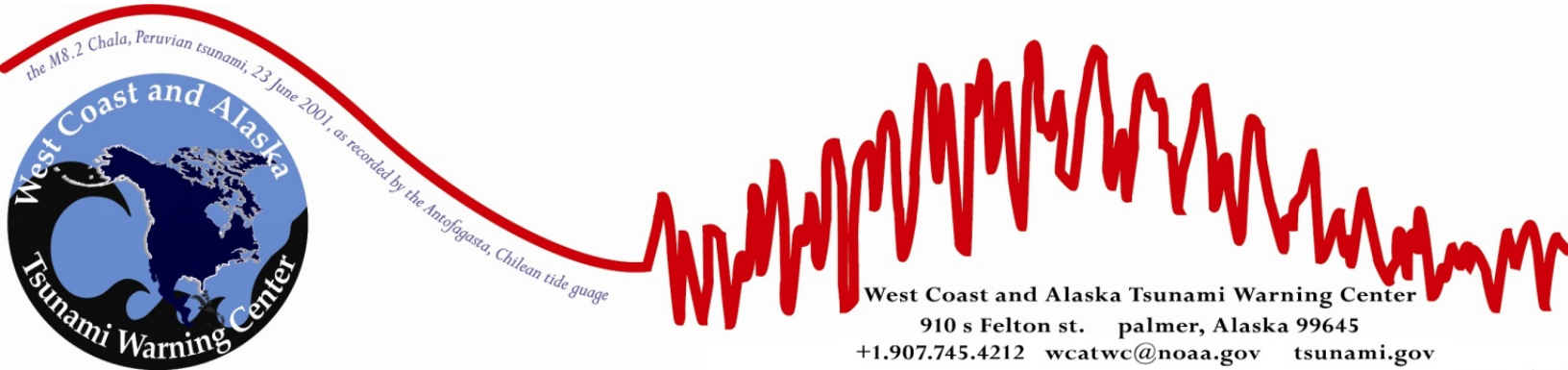
From: NOAA/NWS/West Coast and Alaska Tsunami Warning Center

Subject: Tsunami Advisory #5 issued 02/27/2010 at 2:55AM PST

A **Tsunami Advisory is in effect which includes the coastal areas of California from the California-Mexico border to the Oregon-California border.**

A **Tsunami Advisory is in effect which includes the coastal areas of Alaska from Kodiak, Alaska to Attu, Alaska.**

This message is for **Information Only** for coastal areas of Oregon, Washington, British Columbia and Alaska from the Oregon-California border to Kodiak, Alaska.



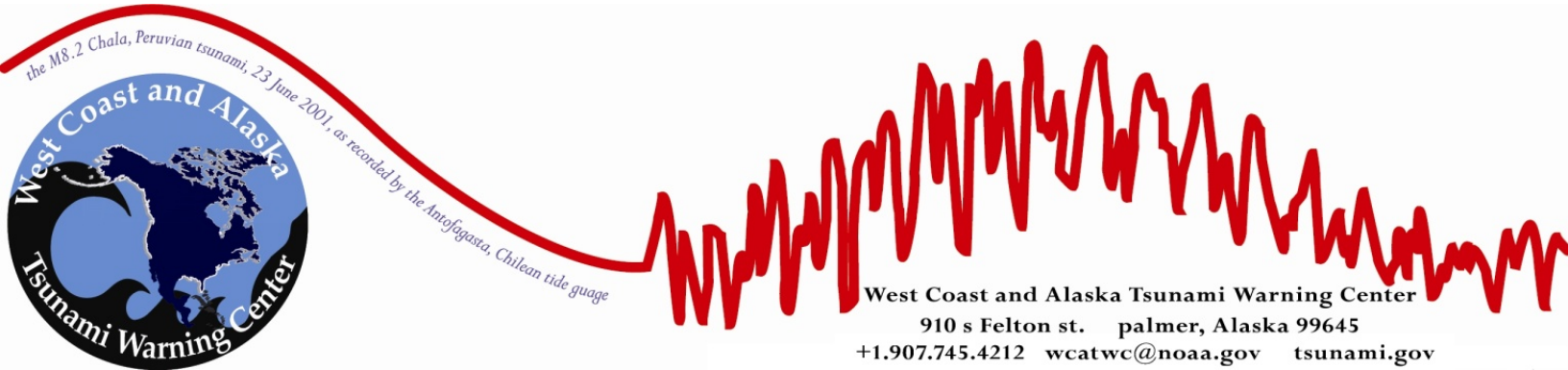
West Coast and Alaska Tsunami Warning Center
910 s Felton st. palmer, Alaska 99645
+1.907.745.4212 wcatwc@noaa.gov tsunami.gov

A **Tsunami Advisory** means that a tsunami capable of producing strong currents or waves dangerous to persons in or very near the water is imminent or expected. Significant, widespread inundation is not expected for areas under an advisory. Currents may be hazardous to swimmers, boats, and coastal structures and may continue for several hours after the initial wave arrival.

At 10:34 PM Pacific Standard Time on February 26, an earthquake with preliminary magnitude 8.8 occurred near the coast of central Chile . (Refer to the United States Geological Survey for official earthquake parameters.) This earthquake **has** generated a tsunami which could cause damage to coastal regions in a warning or advisory. The waves are expected to first reach La Jolla, California at 0:02 PM PST on February 27. Estimated tsunami arrival times and maps along with safety rules and other information can be found on the WCATWC web site.

A tsunami has been observed at the following sites:

Location		Lat.	Lon.	Time	Amplitude
42min	Antofagasta	23.3S	70.4W	0813UTC	0.46M/1.5ft
40min	Iquique Chil	20.2S	70.2W	0848UTC	0.30M/ 1.0FT
28min	Coquimbo Chi	29.9S	71.3W	0903UTC	1.27M/4.2 FT
40min	Caldera Chil	27.1S	70.8W	0745UTC	0.52M/1.7 FT
47min	Corral Chile	39.9S	73.4W	1013UTC	1.54M/5.1FT
40min	Talcahuano C	36.7S	73.1W	0659UTC	1.89M/6.3FT
42min	Valparaiso C	33.0S	71.4W	0859UTC	2.60M/8.7 FT
16min	San Felix Ch	26.3S	80.1W	0808UTC	0.81M/2.7 FT



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Time - Time of measurement.
Amp. - Tsunami amplitudes are measured relative to normal sea level. It is **NOT** crest-to-trough wave height. Values are given in both meters (M) and feet (FT).

Tsunamis can be dangerous waves that are not survivable. Wave heights are amplified by irregular shoreline and are difficult to forecast. Tsunamis often appear as a strong surge and may be preceded by a receding water level. Mariners in water deeper than 600 feet should not be affected by a tsunami. Wave heights will increase rapidly as water shallows. Tsunamis are a series of ocean waves which can be dangerous for several hours after the initial wave arrival. DO NOT return to evacuated areas until an all clear is given by local civil authorities.

The Pacific Tsunami Warning Center in Ewa Beach, Hawaii will issue messages for Hawaii and other areas of the Pacific outside the states and provinces listed above.

This message will be updated in 60 minutes or sooner if the situation warrants. The tsunami message will remain in effect until further notice. For further information stay tuned to NOAA Weather Radio, your local TV or radio stations, or see the WCATWC web site.

Link to Standard Warning Message
Link to Public Warning Message
Link to XML/CAP Message
Link to Printable Message

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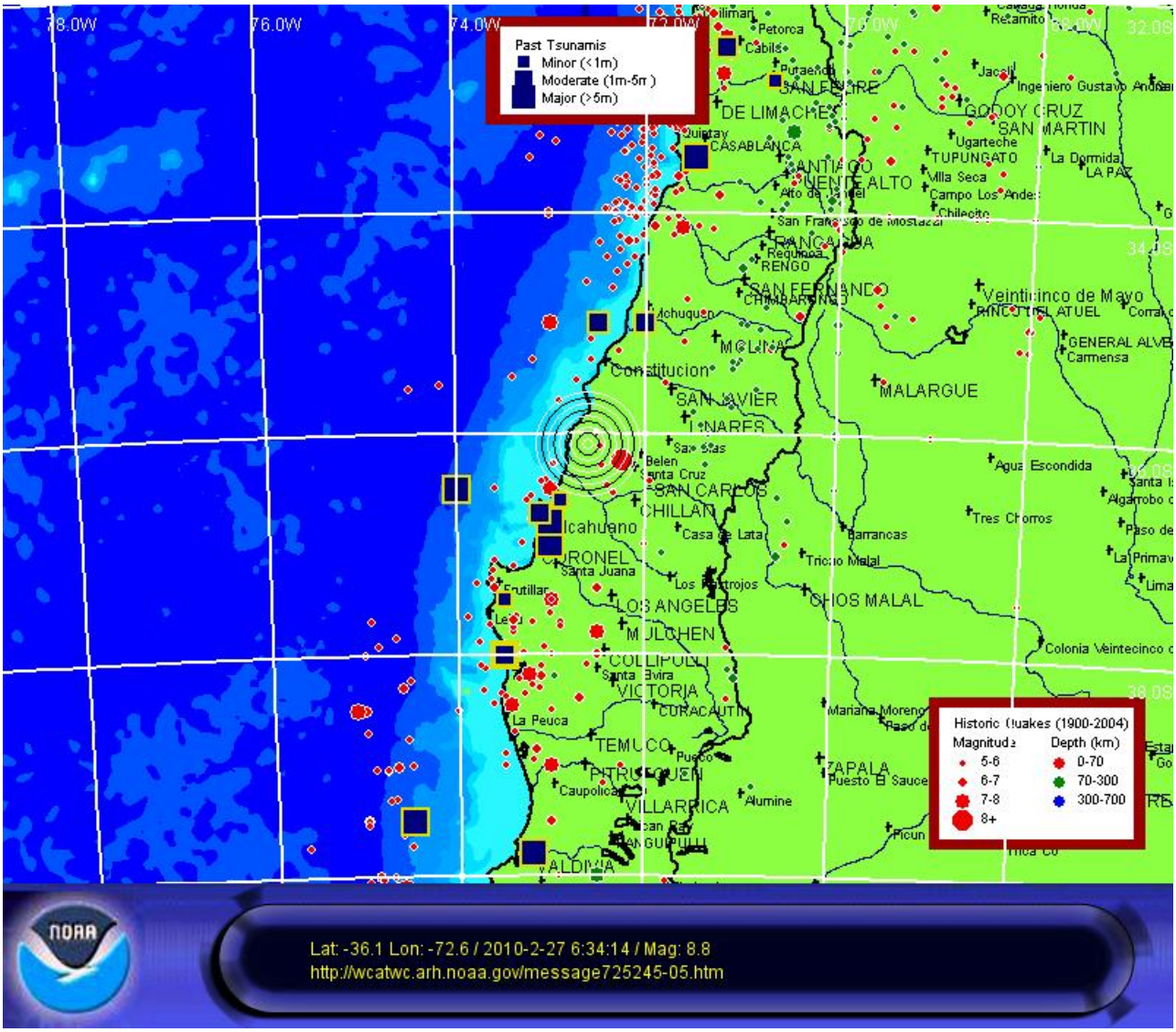

the M8.2 Chala, Peruvian tsunami, 23 June 2001, as recorded by the Antofagasta, Chilean tide guage

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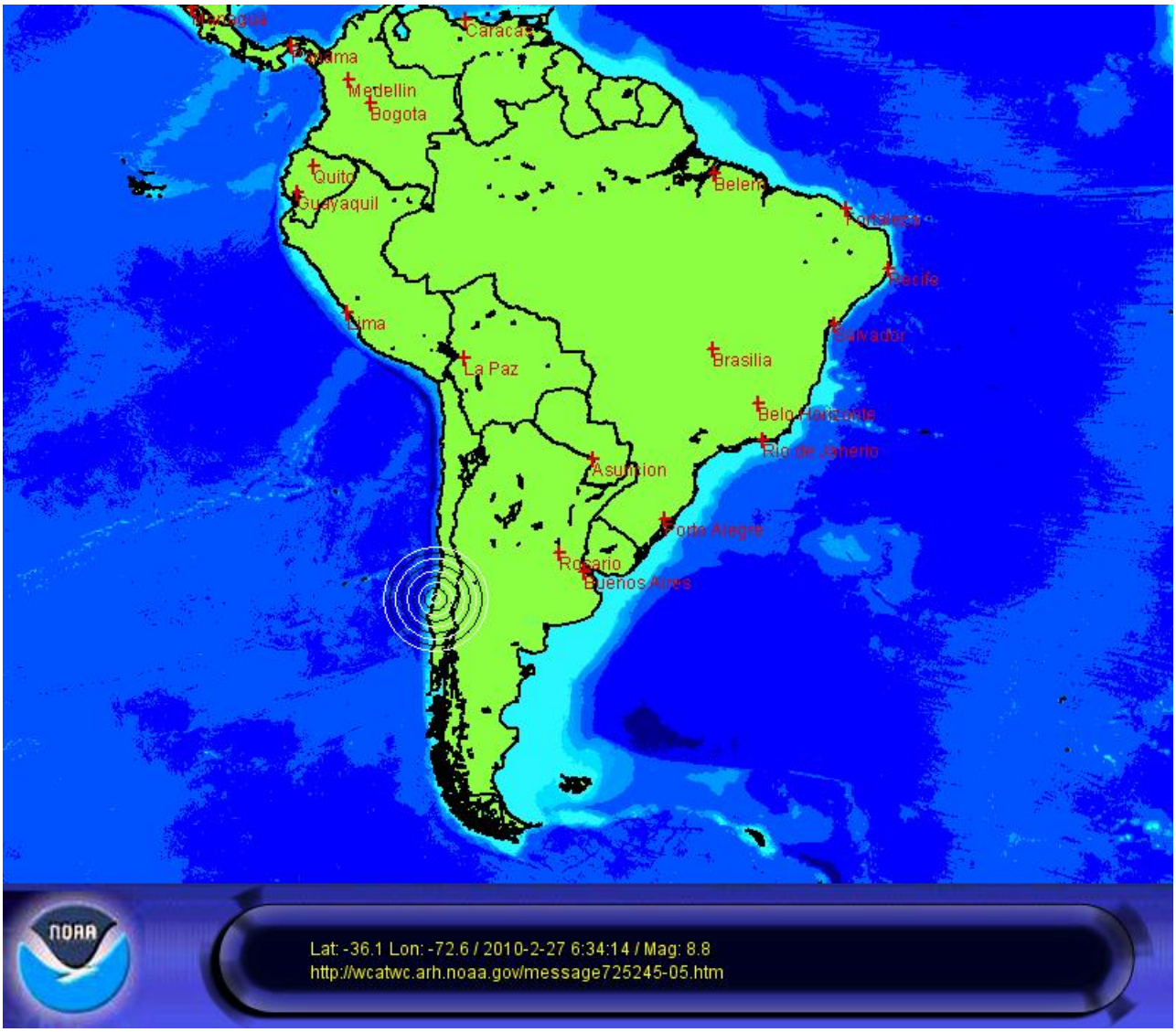

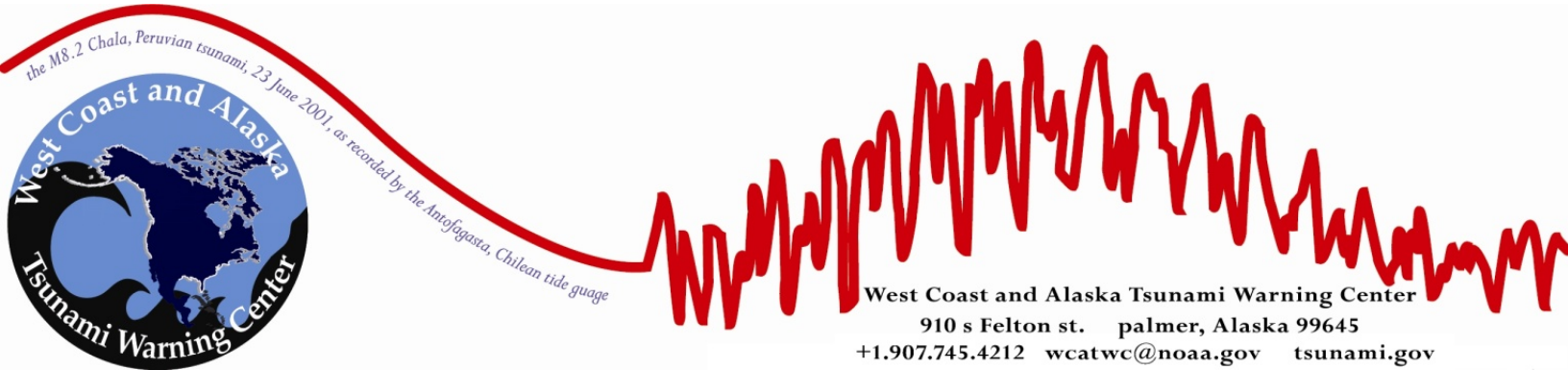

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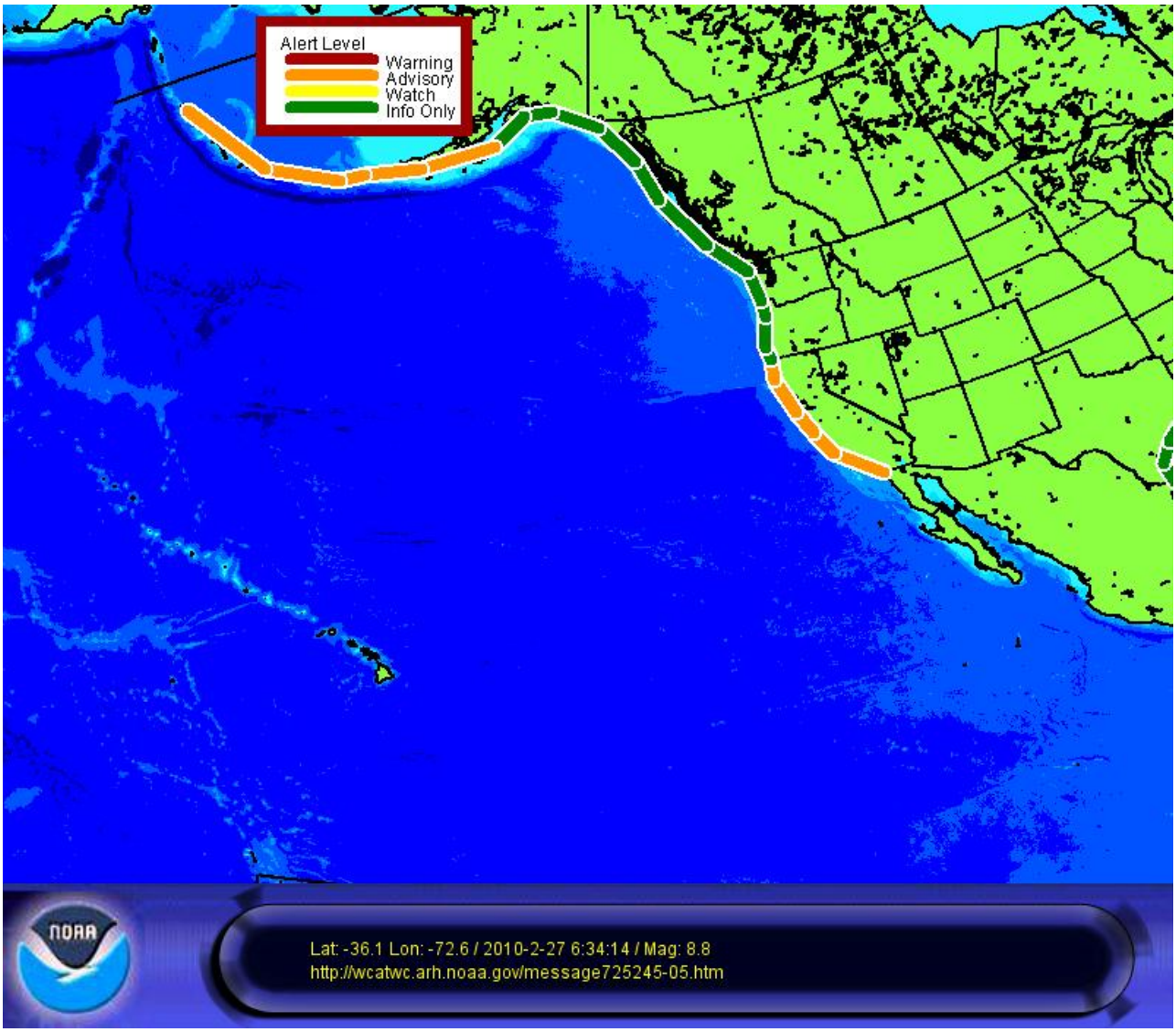

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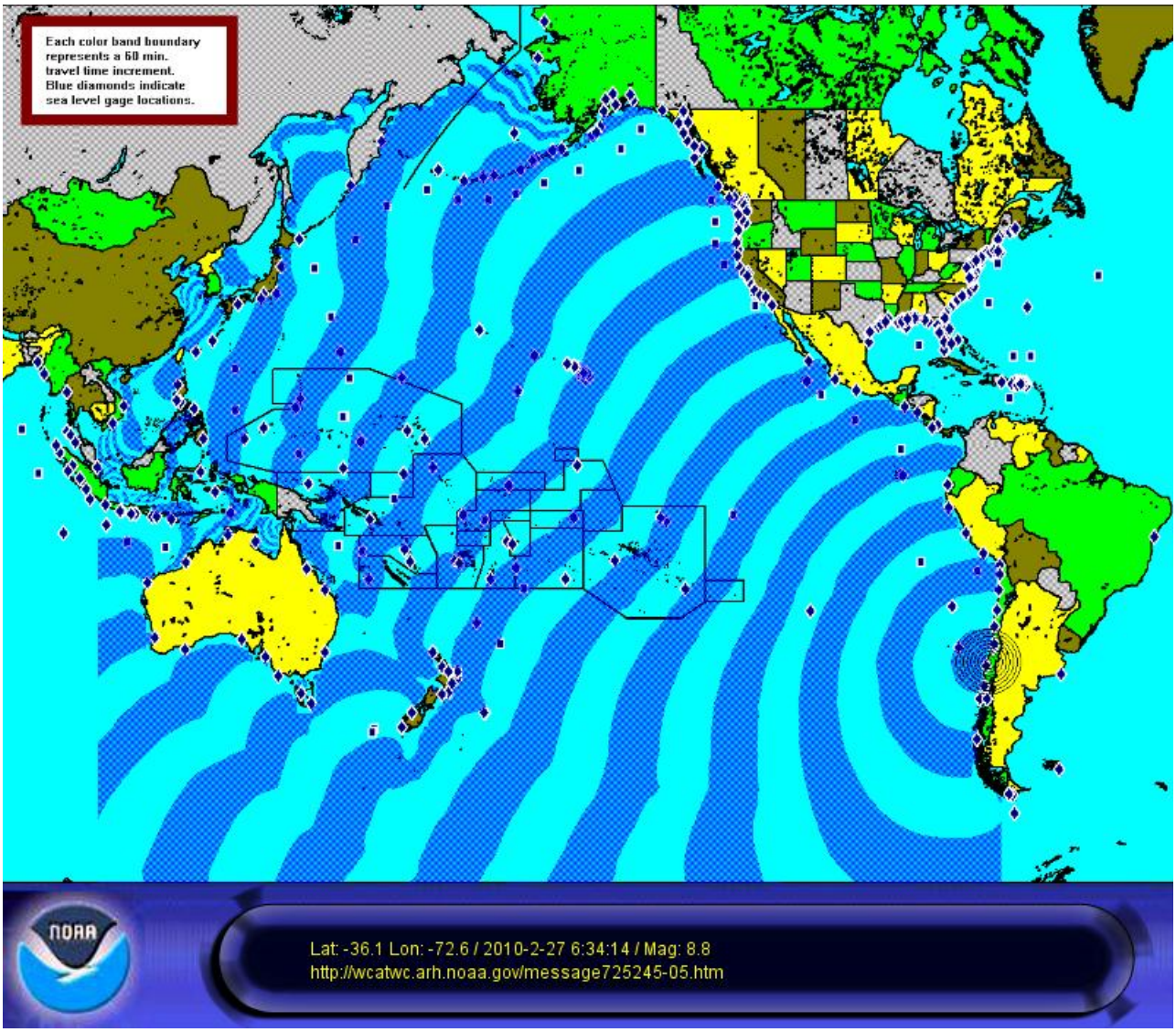

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