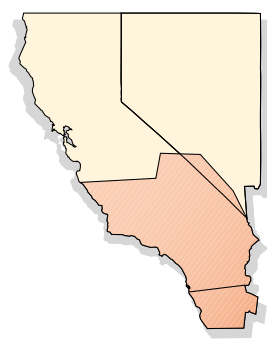


The Seismo-Watch Earthquake Report

Southern California January 29-February 4, 2009



Seismo says...™

Shake the earthquake
blues and be prepared!



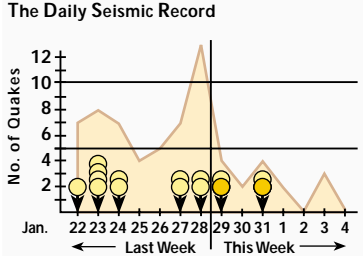
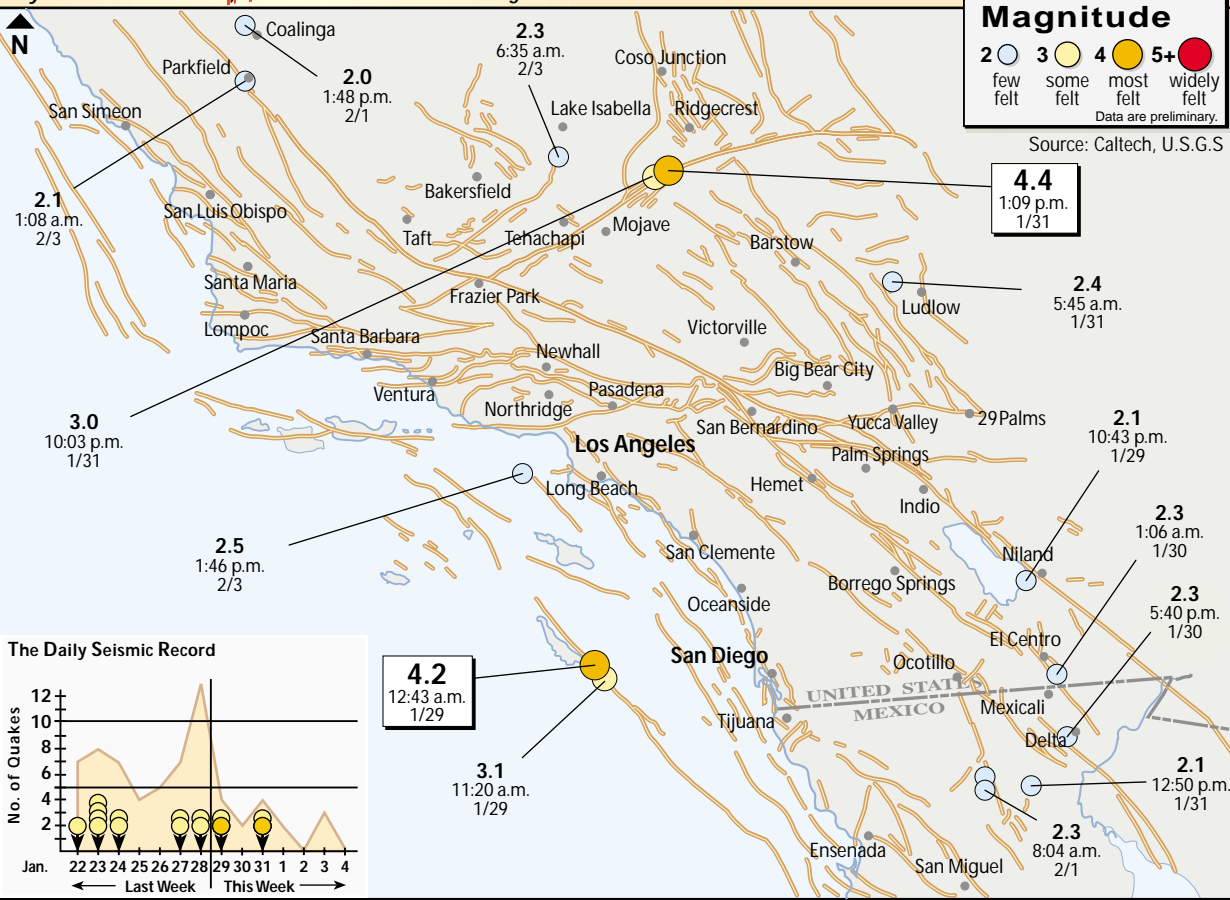
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Seismo-Watch

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January 29-February 4



4.2
12:43 a.m.
1/29

Magnitude M>2	2	3	4+	Total
Regional	11	2	2	15
Last week	40	11	0	51

▼ Up one week down the next. The number of earthquakes declined substantially, falling by more than two-thirds and to its fewest number since last August. Weekly earthquake activity has rocked back and forth for the last seven weeks, either peaking at as high as 51 quakes and as low as this week's 15 events. Pulsing seismicity has been considered as a precursor to large earthquakes, yet more research

needs to be conducted before any conclusive statements can be made.
 ▼ As is often the case, the intensity of seismicity does not always follow its frequency. Take for example this week when the number of earthquakes was down but a pair of moderate M 4 quakes were recorded. These were the first M 4 jolts in three weeks, and the 13th in the last three months.
 ▼ At 12:43 a.m. Thursday morning, a M 4.2 earthquake occurred just south of the southern tip of San Clemente Island. It was centered at about 8 miles below the surface and the type of fault motion was

strike-slip, implying it occurred along the San Clemente Fault zone, which also has similar fault motion. Mild ground shudders were felt at San Clemente Island and as far away as coastal San Diego County. Some on land said it was strong enough to jar them from sleep.
 ▼ Two days later and on the High Desert northwest of Mojave was a temblor registering M 4.4. It triggered at 1:09 p.m. Saturday afternoon at the base of the El Paso Mountains near Garlock. It occurred along the Garlock Fault in nearly the same location as a M 5.7 in 1992.

