6.0 Mag. Quake, Atiquipa, Peru - 6/16/2024



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## Nearby Places

23.3 hr | (4.5 mi) MC

San Juan, 14.2, Peru

90 Jan (18.4 mi) MC

Minas de Marcona, Ica, Peru

90 Jan (18.4 mi) MW

Minas de Marcona, Ica, Peru

90 Jan (18.4 mi) MW

Naza, Ica, Peru

12.5 hr (17.8 mi) MW

Paguli

Ka, Ica, Peru

24.2 hr (19.3 J. mi) MW

Peguli

Ka, Ica, Peru

once and direction from epicenter to nearby place.
rby place information was automatically generated from Geoffames. The list includes populated places, not necessarily cities. If this information is inaccurate, please consider <u>yedating the Geoffames datab</u>

## Tectonic Summar

## Seismotectonics of South America (Nazca Plate Region

The solution interferial and extensions over 2,000 km, from the current amount of the control amount of the co

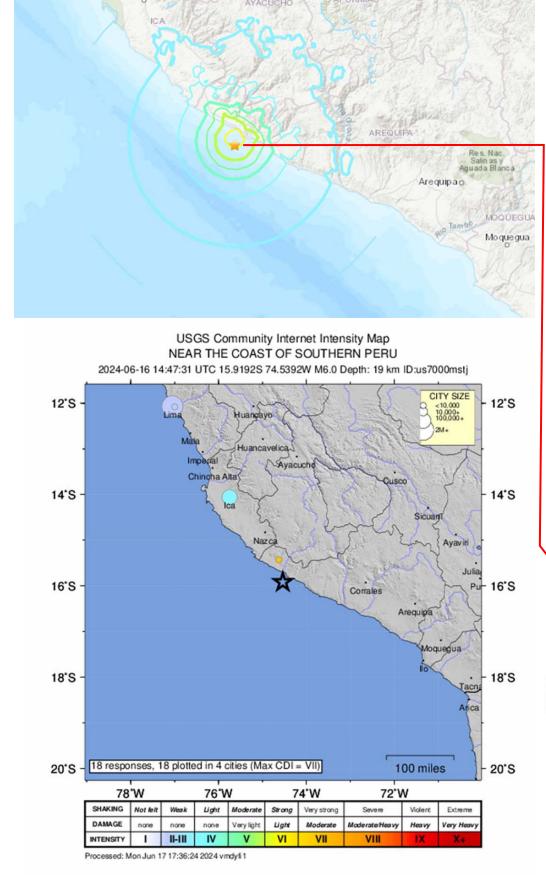
mountain building in the overriding South America plate and generate earthquakes as deep as approximately 50 km. Interplate earthquakes occur due to sijn along the dispring interface between the Naza and the South American plates, interplate earthquakes in this region are frequent and often large, and occur between the deptot approximately 10 and 60 km. Since 1900, numerous magnitude 8 or larger earthquakes have occurred on this subduction zone interface that were followed by devastating tunnamic, including the 1950 M9.5 earthquake insouthern Chile, the largest intrumentally recorded earthquake in the world. Other notable shallow tunnami generating earthquakes include the 1950 M8.5 earthquake near Esmeradias, (Cuador, the 1922 M8.5 earthquake near Coquimbo, Chile, the 2001 M8.4 Arequips, Peru earthquake, the 2001 M8.5 arthquake near Froq, Peru, and the 2010 M8.5 a

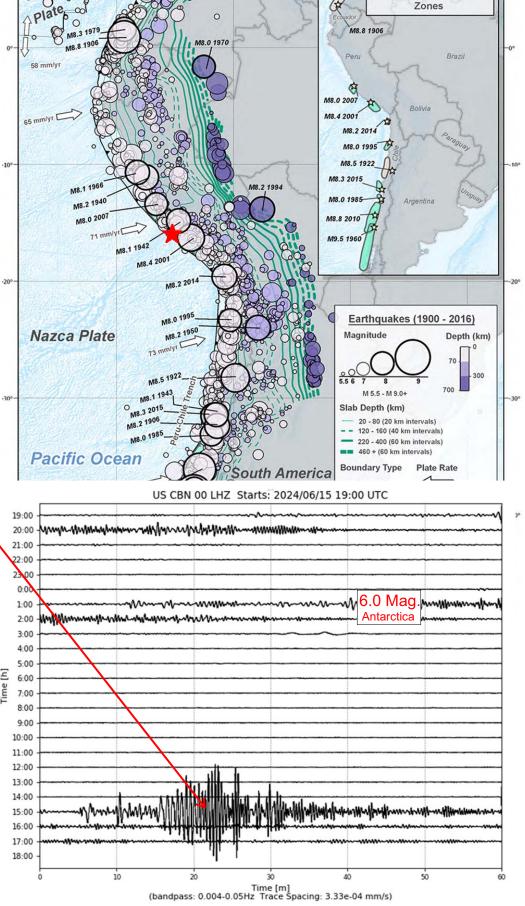
Large intermediate-depth earthquakes; (those occurring between depths of approximately 70 and 300 km) are relatively limited in size and spatial settent in South America, and occur within the Nazca plate as a result of internal deformation within the value budden and the state of the state

Eartinguisses can also se generalized to deptins greater than 400 with 3 a less that of continued internal determination of the subducting Nazao pales, the University of the South Internal Conference of the University of the South Internal Conference of the University of the South Internal Conference on the University of t

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More information on regional seismicity and tector





Rupture and Aftershock

Large (6.0 Mag.), deep (20 Km) offshore quake. No tsunami.