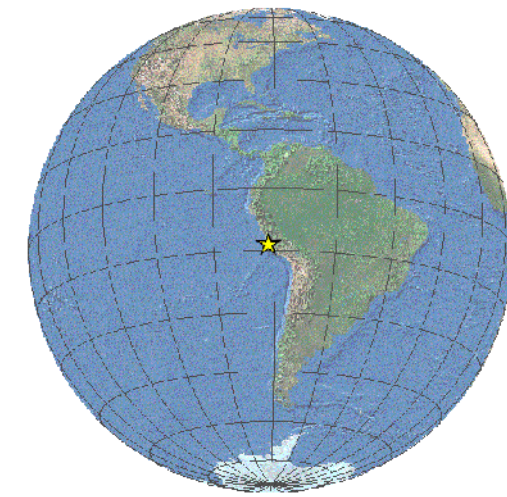
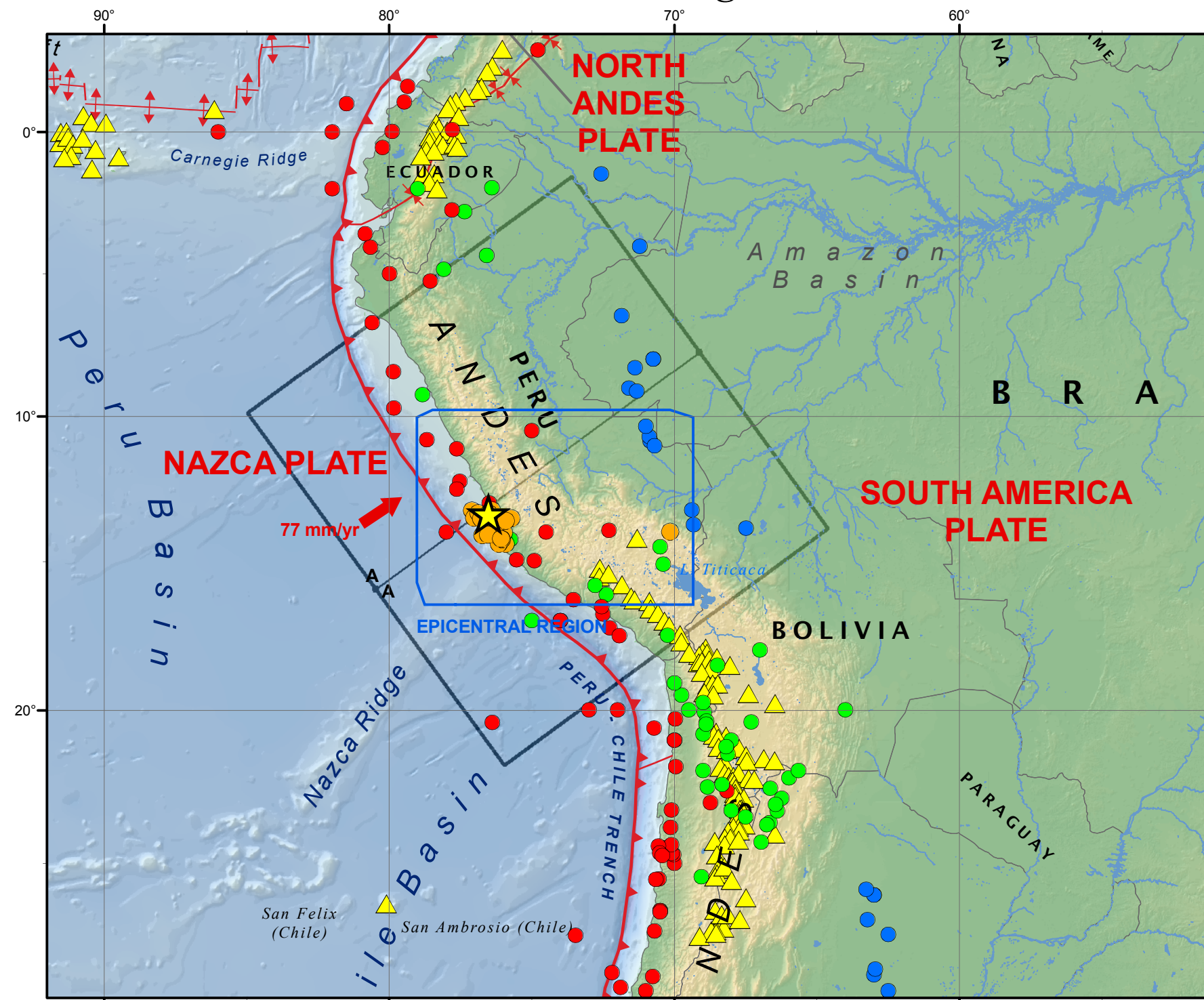


M8.0 Pisco, Peru, Earthquake of 15 August 2007

Prepared in cooperation with the Global Seismographic Network



Tectonic Setting



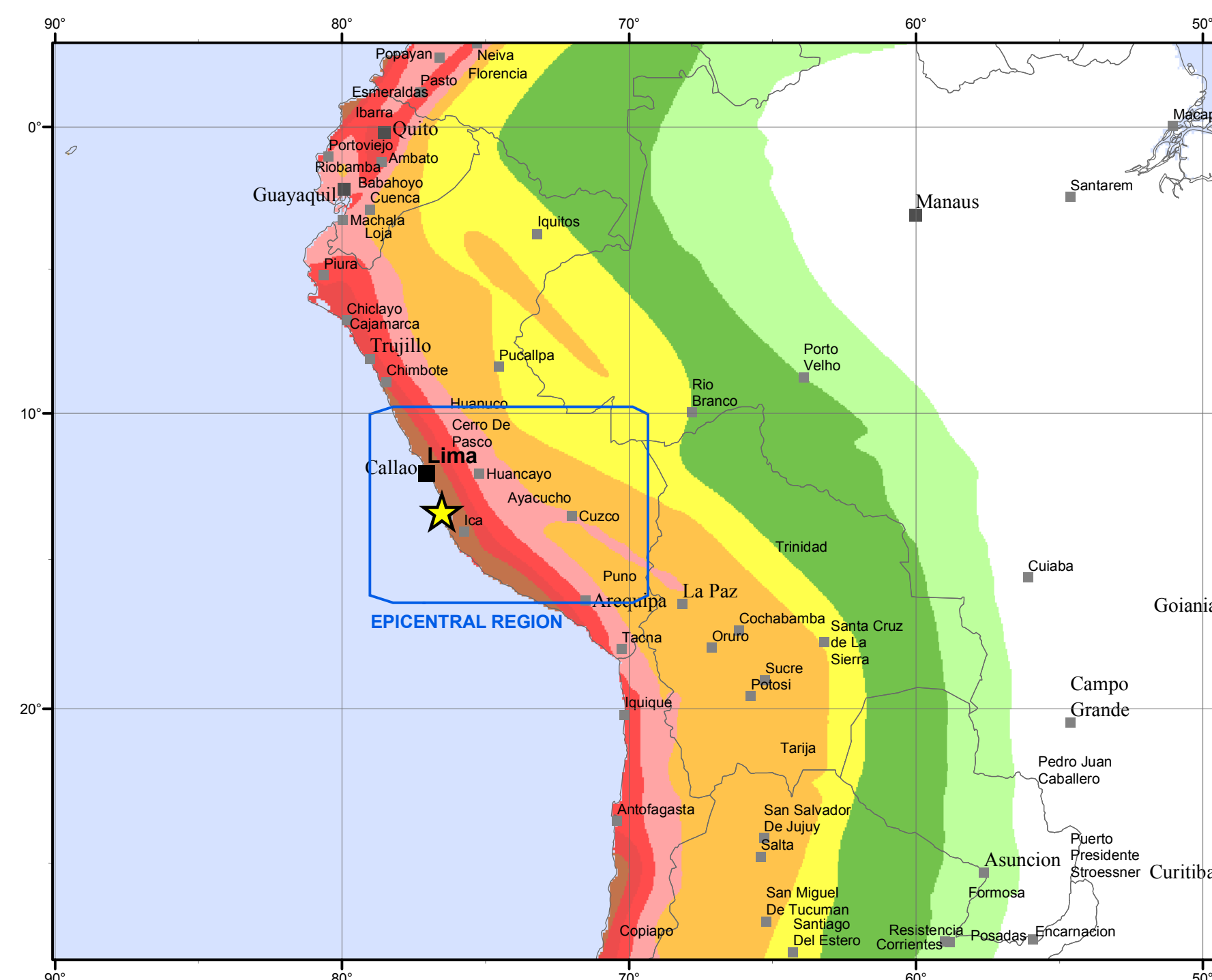
RELATIVE PLATE MOTIONS

The broad red vector represents the motion of the Nazca Plate relative to the South America Plate in the region. The motion of the Nazca Plate is generally northeastward with respect to the South America Plate.

SCALE 1:20,000,000 at the Equator

0 200 400 800 1,200 1,600 Kilometers

Seismic Hazard



Seismic hazard is expressed as peak ground acceleration (PGA) on firm rock, in meters/sec², expected to be exceeded in a 50-yr period with a probability of 10 percent.

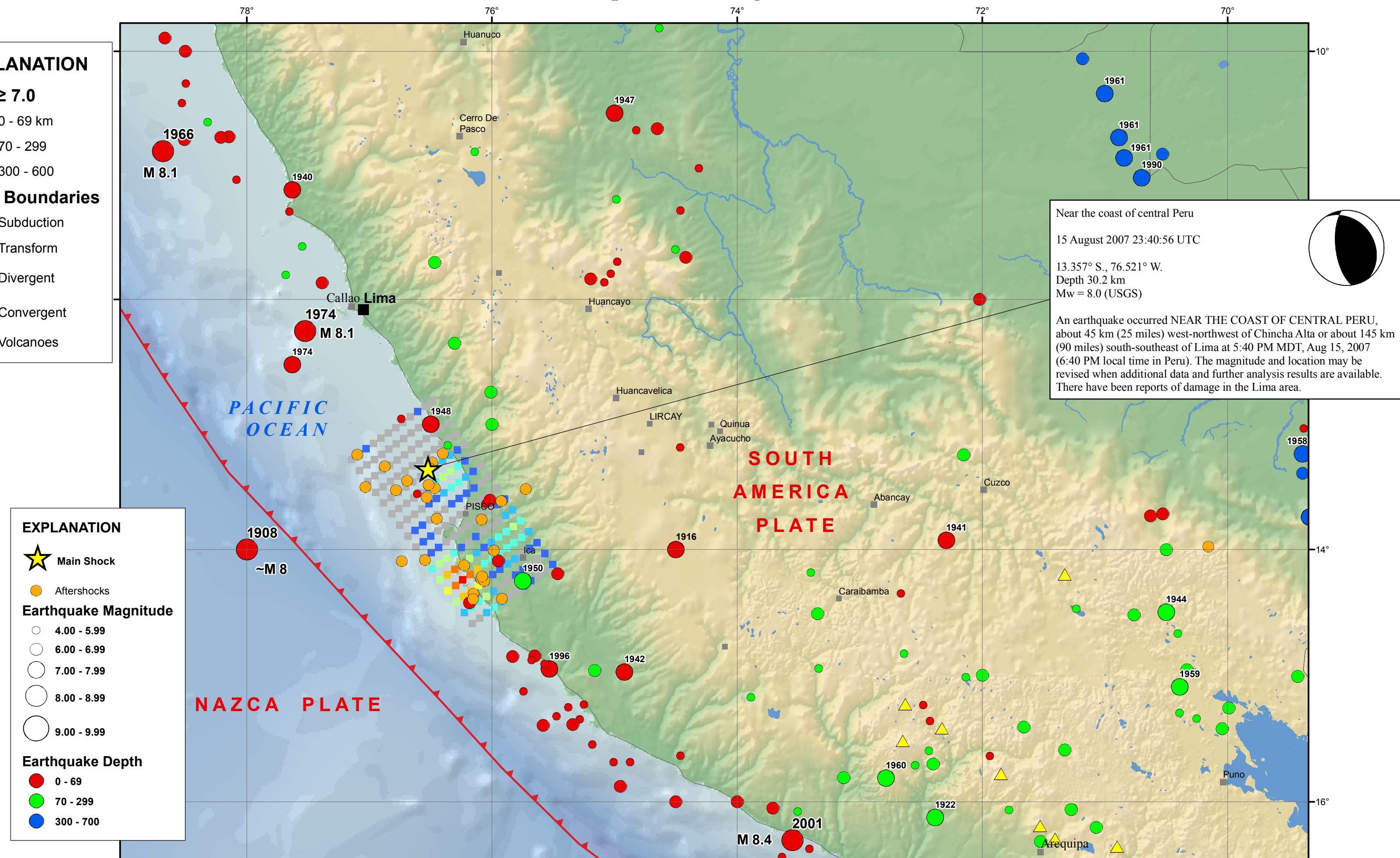
SCALE 1:20,000,000 at the Equator

0 200 400 800 1,200 1,600 Kilometers

Peak Ground Acceleration in m/sec**2

2 .4 .8 1.6 2.4 3.2 4.0 4.8

Epicentral Region



EXPLANATION

★ Main Shock

● Aftershocks

Earthquake Magnitude

○ 4.00 - 5.99

○ 6.00 - 6.99

○ 7.00 - 7.99

○ 8.00 - 8.99

○ 9.00 - 9.99

Earthquake Depth

● 0 - 69

● 70 - 299

● 300 - 700

● 700 - 1000

● 1000 - 1500

● 1500 - 2000

● 2000 - 2500

● 2500 - 3000

● 3000 - 3500

● 3500 - 4000

● 4000 - 4500

● 4500 - 5000

● 5000 - 5500

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