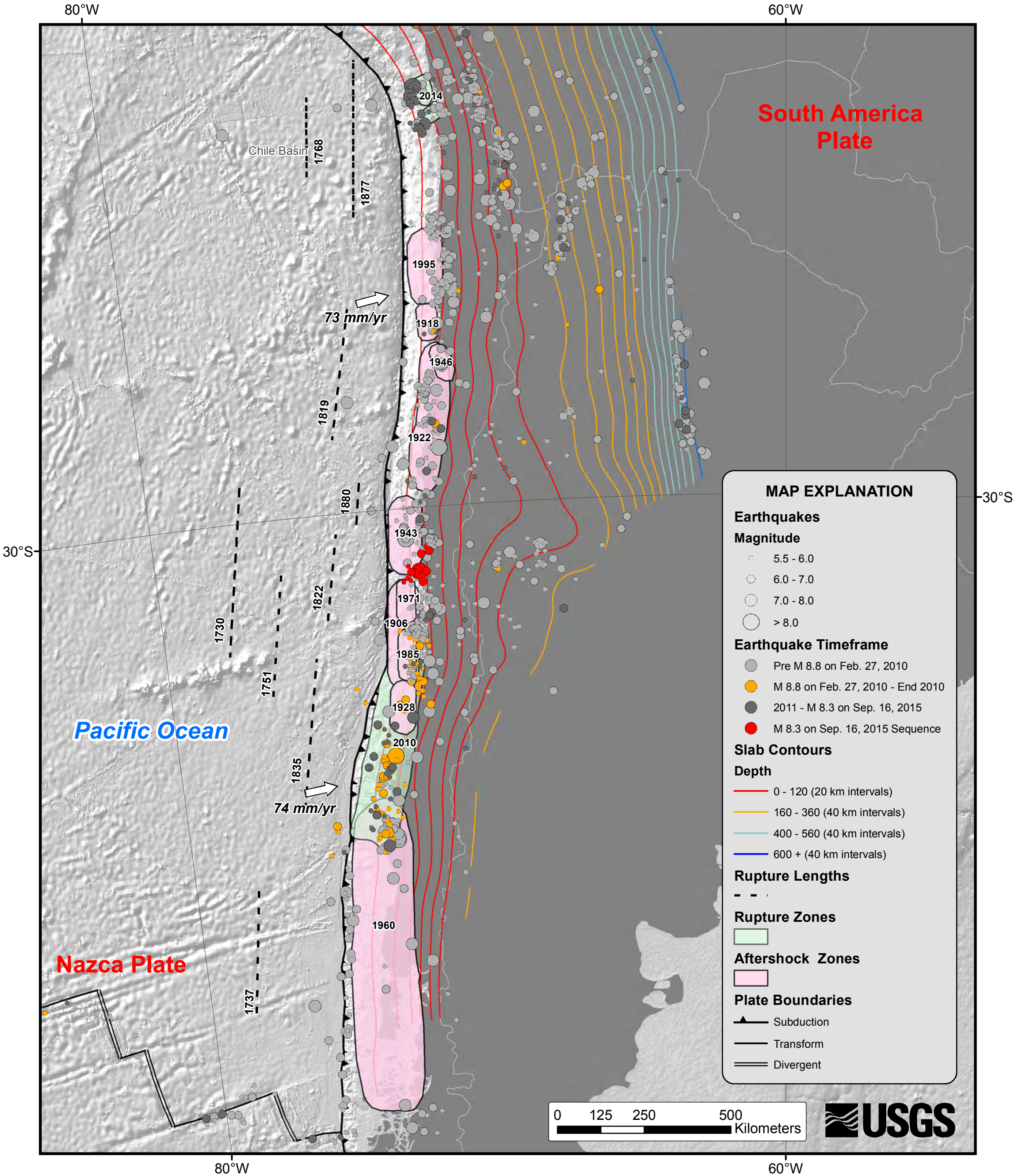
80°W
60°W
30°S
South America Plate
Pacific Ocean
Nazca Plate
Chile Basin
73 mm/yr
74 mm/yr
1730
1751
1768
1819
1822
1835
1877
1880
1906
1918
1922
1928
1943
1946
1960
1971
1985
1995
2010
2014
MAP EXPLANATION
Earthquakes
Magnitude
5.5 - 6.0
6.0 - 7.0
7.0 - 8.0
> 8.0
Earthquake Timeframe
Pre M 8.8 on Feb. 27, 2010
M 8.8 on Feb. 27, 2010 - End 2010
2011 - M 8.3 on Sep. 16, 2015
M 8.3 on Sep. 16, 2015 Sequence
Slab Contours
Depth
0 - 120 (20 km intervals)
160 - 360 (40 km intervals)
400 - 560 (40 km intervals)
600 + (40 km intervals)
Rupture Lengths
Rupture Zones
Aftershock Zones
Plate Boundaries
Subduction
Transform
Divergent
0 125 250 500
Kilometers
USGS