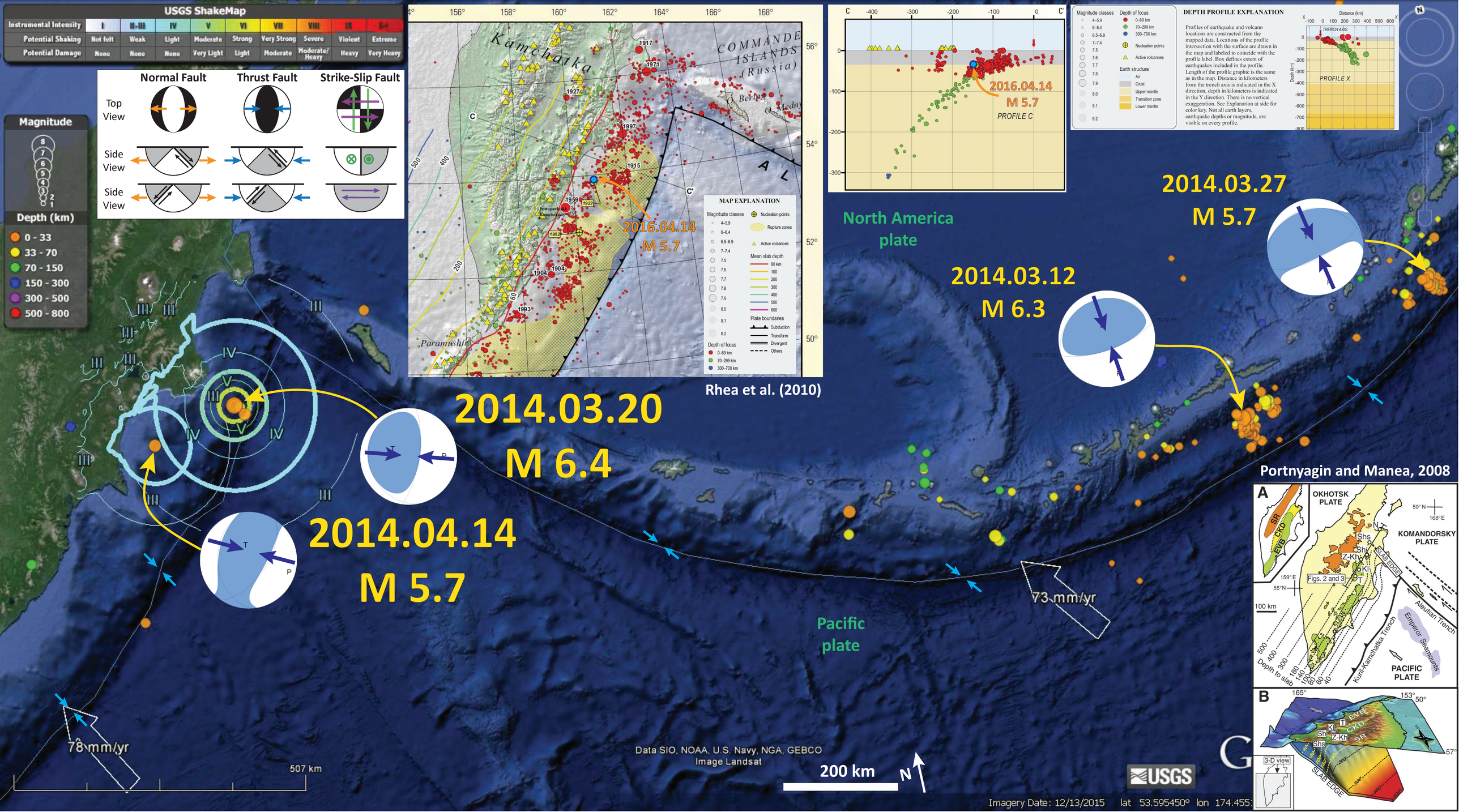
USGS ShakeMap
Instrumental Intensity | I | II-III | IV | V | VI | VII | VIII | IX | X+
Potential Shaking | Not felt | Weak | Light | Moderate | Strong | Very Strong | Severe | Violent | Extreme
Potential Damage | None | None | None | Very Light | Light | Moderate | Moderate/ Heavy | Heavy | Very Heavy
Normal Fault
Thrust Fault
Strike-Slip Fault
Top View
Side View
Side View
Magnitude
Depth (km)
0 - 33
33 - 70
70 - 150
150 - 300
300 - 500
500 - 800
Kamchatka
COMMANDER ISLANDS (Russia)
Paramushir
MAP EXPLANATION
Magnitude classes
Nucleation points
Rupture zones
Active volcanoes
Mean slab depth
Plate boundaries
Subduction
Transform
Divergent
Others
Depth of focus
0–69 km
70–299 km
300–700 km
2016.04.14
M 5.7
PROFILE C
DEPTH PROFILE EXPLANATION
Profiles of earthquake and volcano locations are constructed from the mapped data. Locations of the profile intersection with the surface are drawn in the map and labeled to coincide with the profile label. Box defines extent of earthquakes included in the profile. Length of the profile graphic is the same as in the map. Distance in kilometers from the trench axis is indicated in the X direction, depth in kilometers is indicated in the Y direction. There is no vertical exaggeration. See Explanation at side for color key. Not all earth layers, earthquake depths or magnitude, are visible on every profile.
TRENCH AXIS
PROFILE X
North America plate
2014.03.27
M 5.7
2014.03.12
M 6.3
Rhea et al. (2010)
2014.03.20
M 6.4
2014.04.14
M 5.7
Portnyagin and Manea, 2008
OKHOTSK PLATE
KOMANDORSKY PLATE
PACIFIC PLATE
SR
EVE
CKD
Sh
Shs
Z-Kh
Ki
T
SLAB EDGE
Figs. 2 and 3
Aleutian Trench
Kuril-Kamchatka Trench
Emperor Seamounts
Depth to slab
Pacific plate
73 mm/yr
78 mm/yr
507 km
200 km
Data SIO, NOAA, U.S. Navy, NGA, GEBCO
Image Landsat
USGS
Imagery Date: 12/13/2015 lat 53.595450° lon 174.455