Earthquake Report: 2018.09.05
M 6.6 Japan

CCOP Coordinating Committee for Geoscience Programmes in East and Southeast Asia

Total Intensity Anomaly (nT) -200 -150 -100 -50 0 50 100 150 200

CIRES

University of Colorado Boulder · NOAA · NGDC

Jason R. Patton
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USGS Google Earth

Magnitude 8 7 6 5 4 3 2 1

Depth (km)
- 0 - 33
- 33 - 70
- 70 - 150
- 150 - 300
- 300 - 500
- 500 - 800

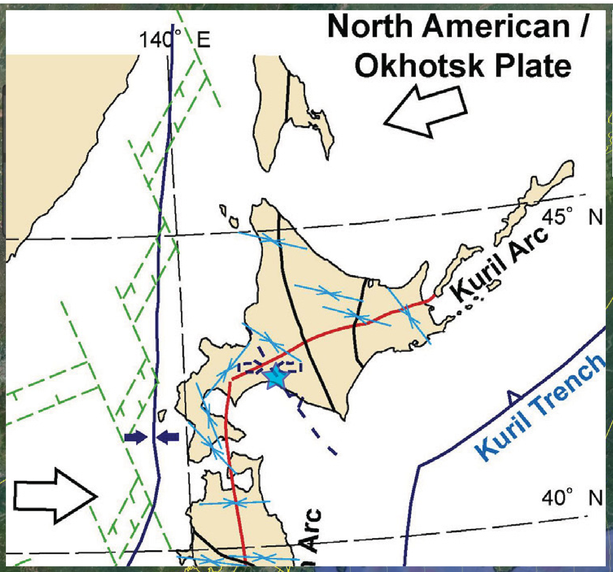
Depth to Slab (km) 0 50 100 150 200 250 300 350 400 450 500 550 600 650 700

Plate Boundaries: Divergent, Transform, Convergent, Other; Plate Motion; *Plate motion vectors relative to fixed Eurasian pole (Sella et al., 2002)

Normal Fault · Thrust Fault · Strike-Slip Fault (Top View / Side View)

INTENSITY	I	II-III	IV	V	VI	VII	VIII	IX	X+
Shaking	Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
Damage	None	None	None	Very slight	Light	Moderate	Moderate/ heavy	Heavy	Very heavy
Peak Acc	<0.17	0.17-1.4	1.4-3.9	3.9-9.2	9.2-18	18-34	34-65	65-124	>124
Peak Vel	<0.1	0.1- 1.1	1.1- 3.4	3.4- 8.1	8.1- 16	16 - 31	31 - 60	60-116	>116

Peak Acc = Peak ground acceleration (g), Peak Vel = Peak ground velocity (cm/s)



NUMO, 2004

Subduction zone / collision zone (tooth indicates direction of inclination)
Direction of plate motion
Direction of collision
Volcanic front
Major Seamount chain
Major tectonic line (arrow indicates direction of displacement)
Crustal stress field (σ Hmax)

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Okhotsk plate

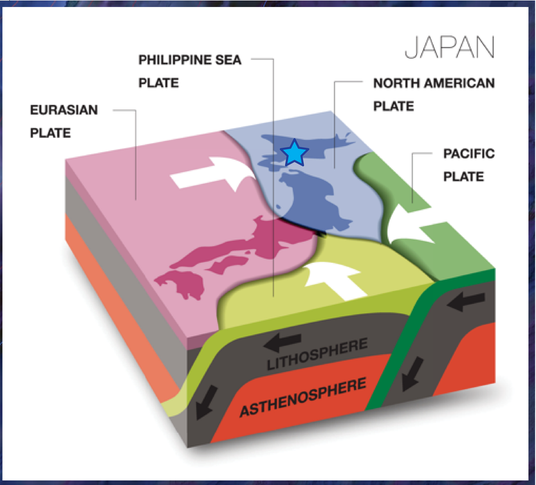
Eurasia plate

Pacific plate

Kuril Trench

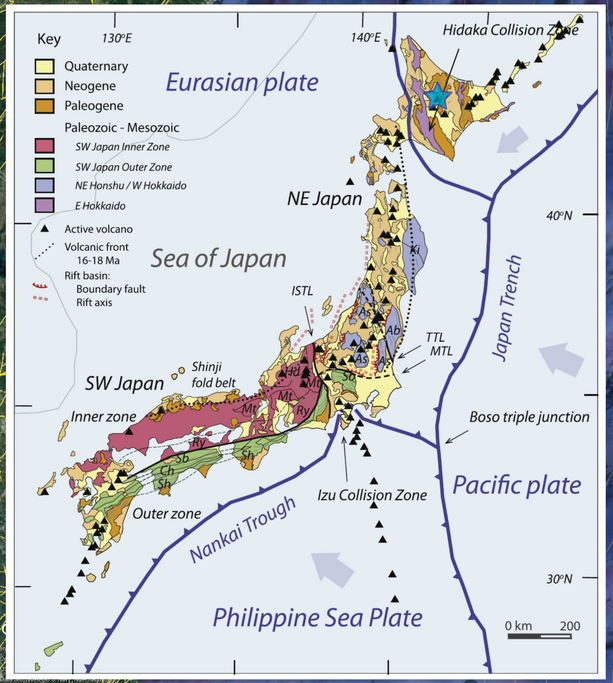
Japan Trench

200 km N



AGU Trembling Earth

van Horne et al., 2016



Liu et al., 2013

