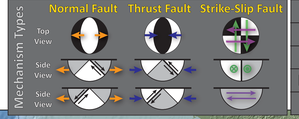
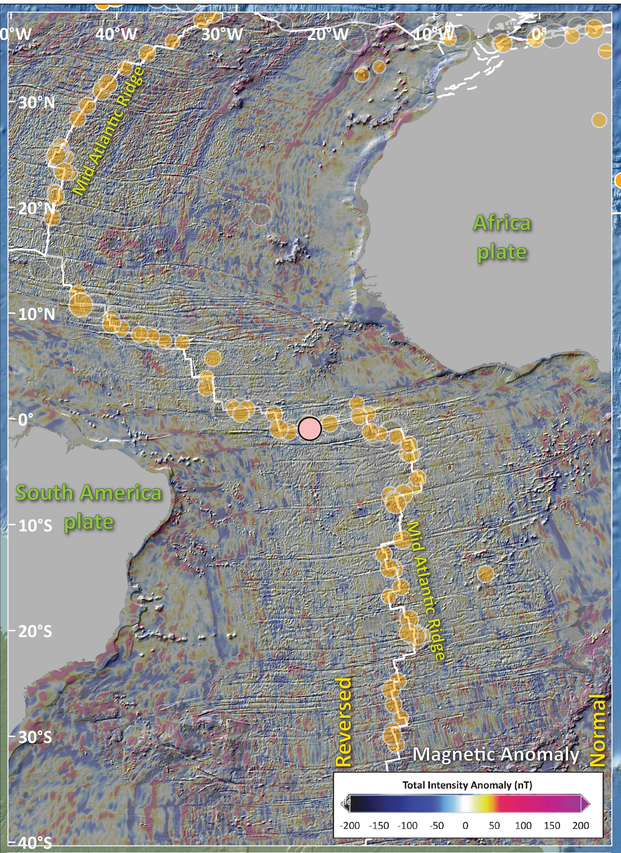
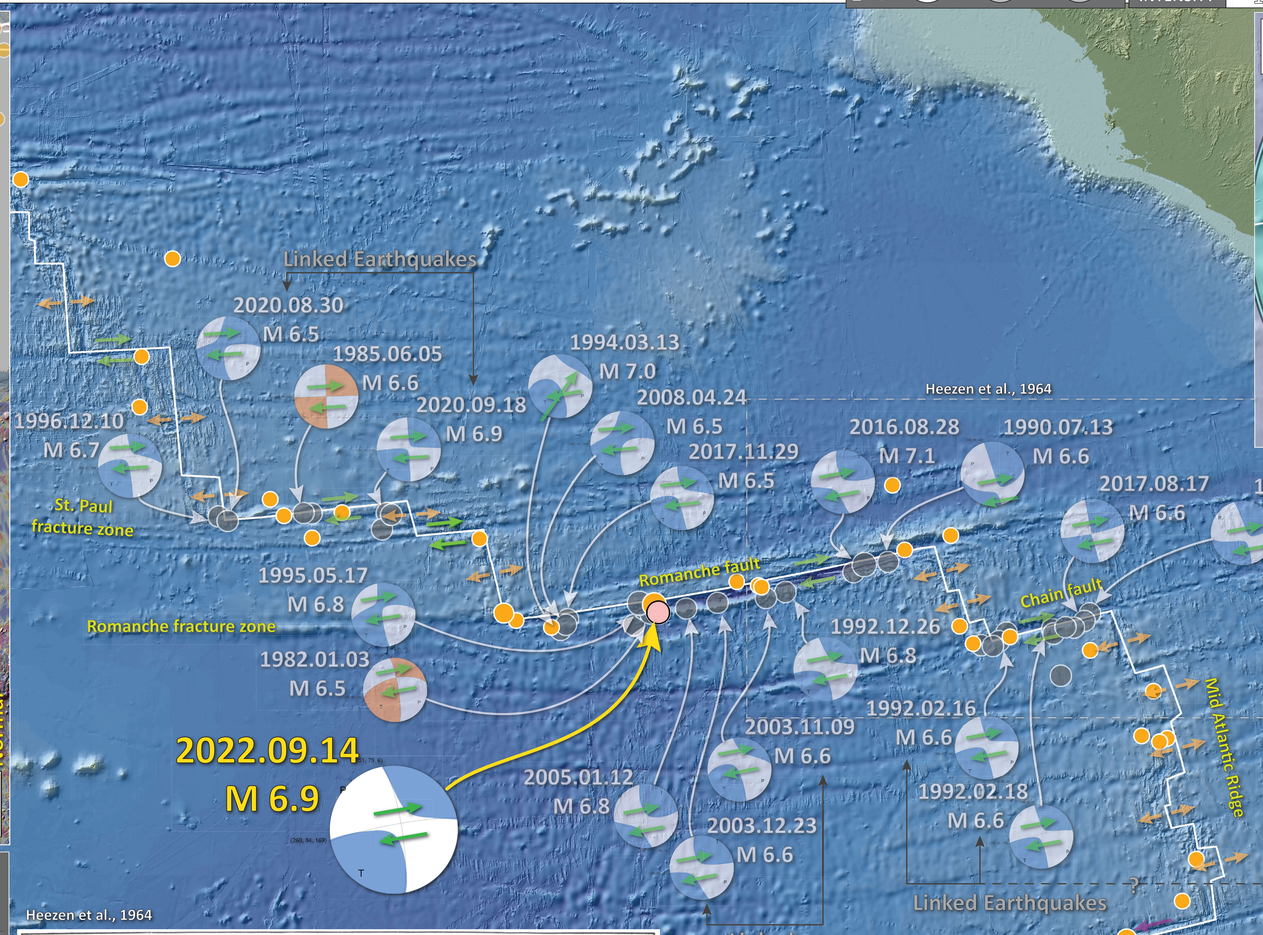
Earthquake Report: 2022.09.04

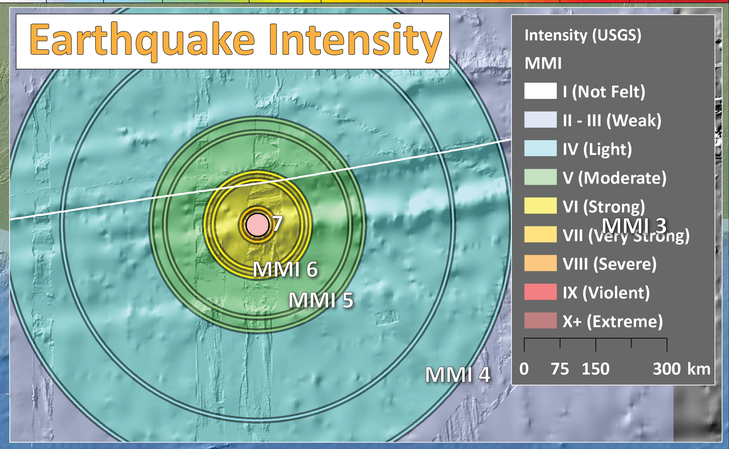
M 6.9 Mid Atlantic/Romanche fault (& USGS Seismicity 1922-2022 M ≥ 6.5)

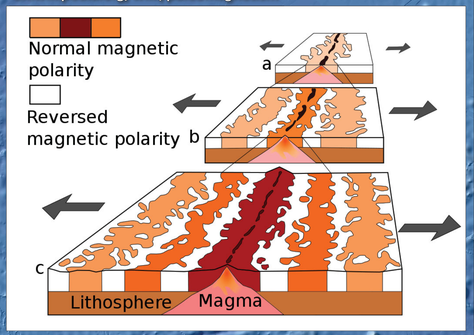


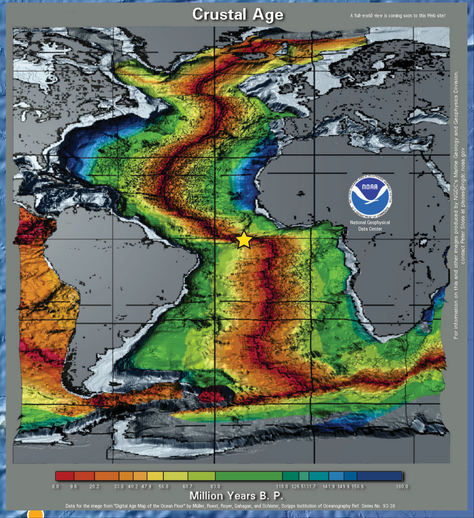
SHAKING	Not Felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
DAMAGE	Note	None	None	Very Light	Light	Moderate	Moderate/Heavy	Heavy	Very Heavy
PGA (%g)	<0.05	0.3	2.76	6.2	11.5	21.5	40.1	74.7	>139
PGV (cm/s)	<0.02	0.13	1.41	4.65	9.64	20	41.4	85.8	>178
INTENSITY	1	2-3	4	5	6	7	8	9	10

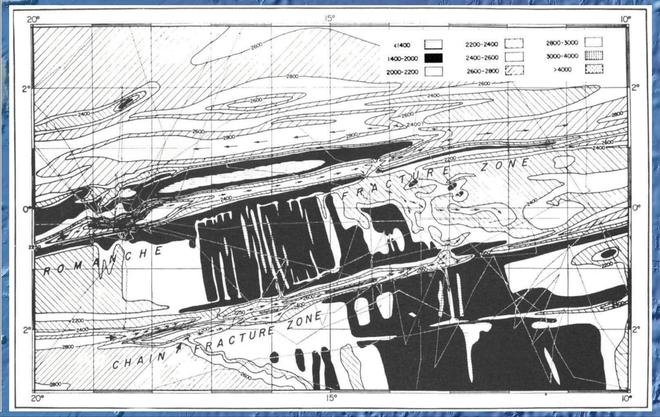












'22 MAR M 6.9

Seismicity (USGS - 1/2 year) magnitude
- 1.1 - 2.0
- 2.1 - 3.0
- 3.1 - 4.0
- 4.1 - 5.0
- 5.1 - 6.0
- 6.1 - 7.2

Seismicity (USGS - 1 century) magnitude
- 6.5 - 7.0
- 7.1 - 7.5
- 7.6 - 8.0
- 8.1 - 8.8

Elevation: High / Low

Depth: Shallow / Deep

Fault
— (GEM)

Topography: Ryan et al., 2009
doi:10.1029/2008GC002332.

0 75 150 300 Miles

0 100 200 400 Kilometers

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GEM GLOBAL EARTHQUAKE MODEL working together to assess risk

Jason R. Patton
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USGS science for a changing world