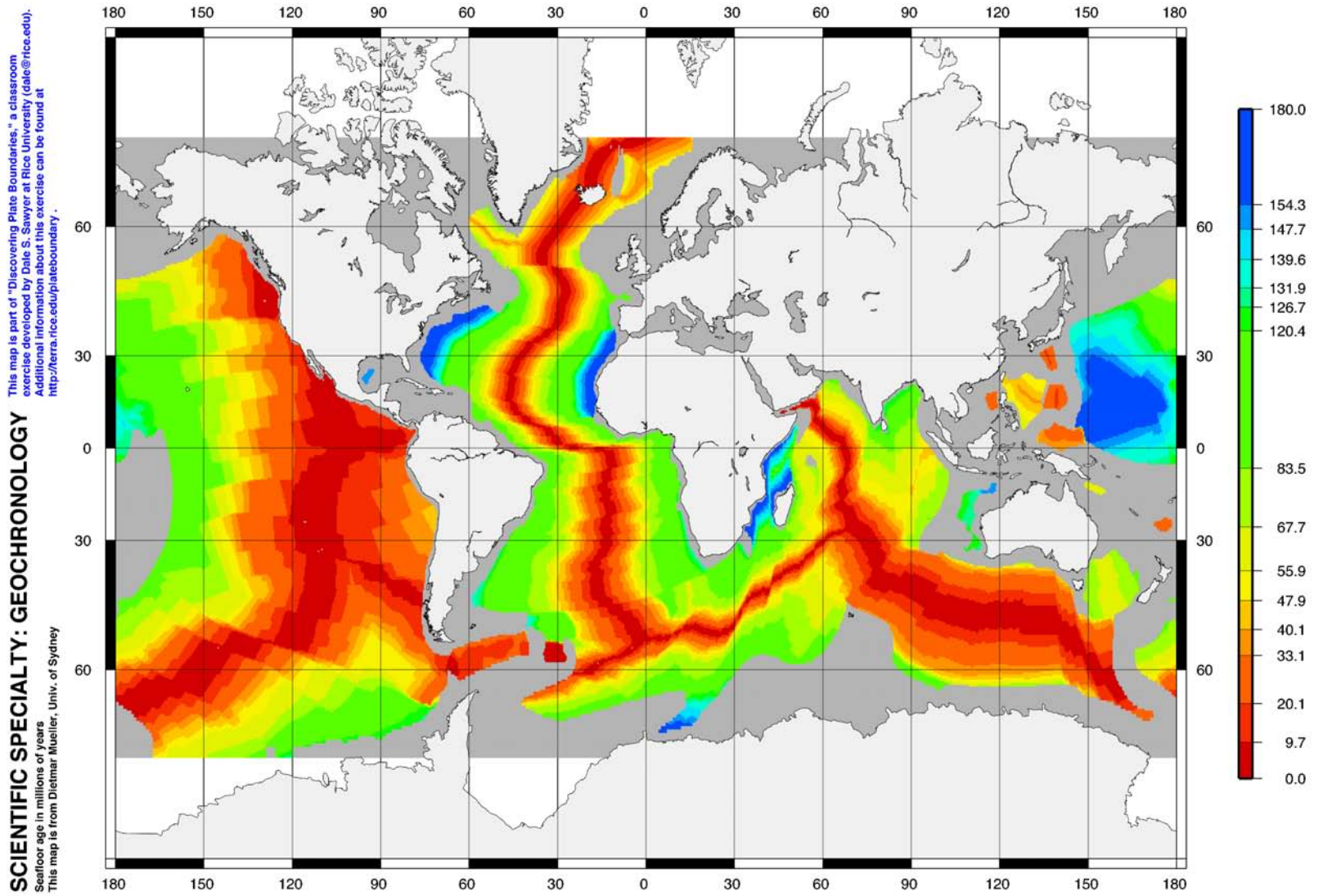
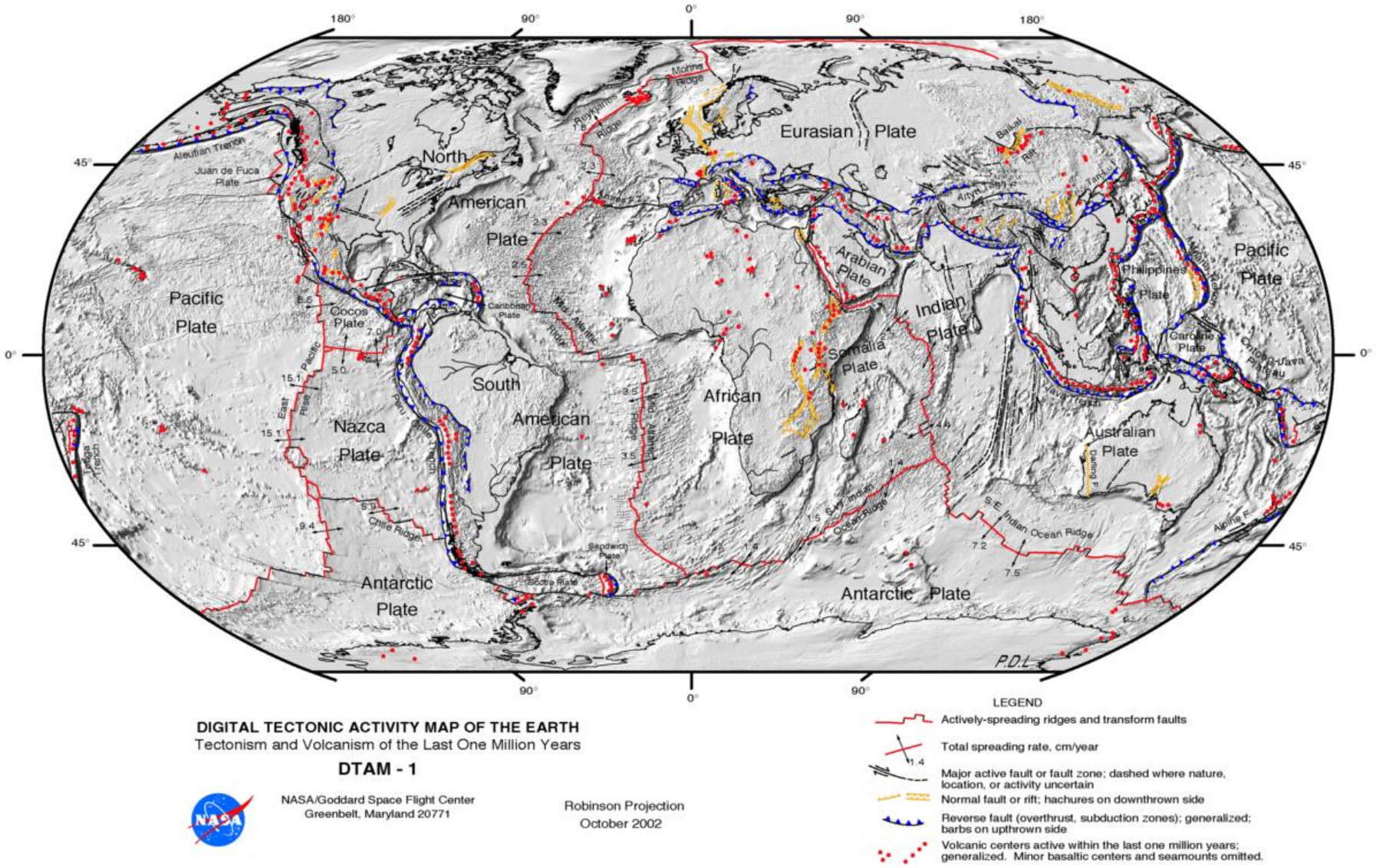
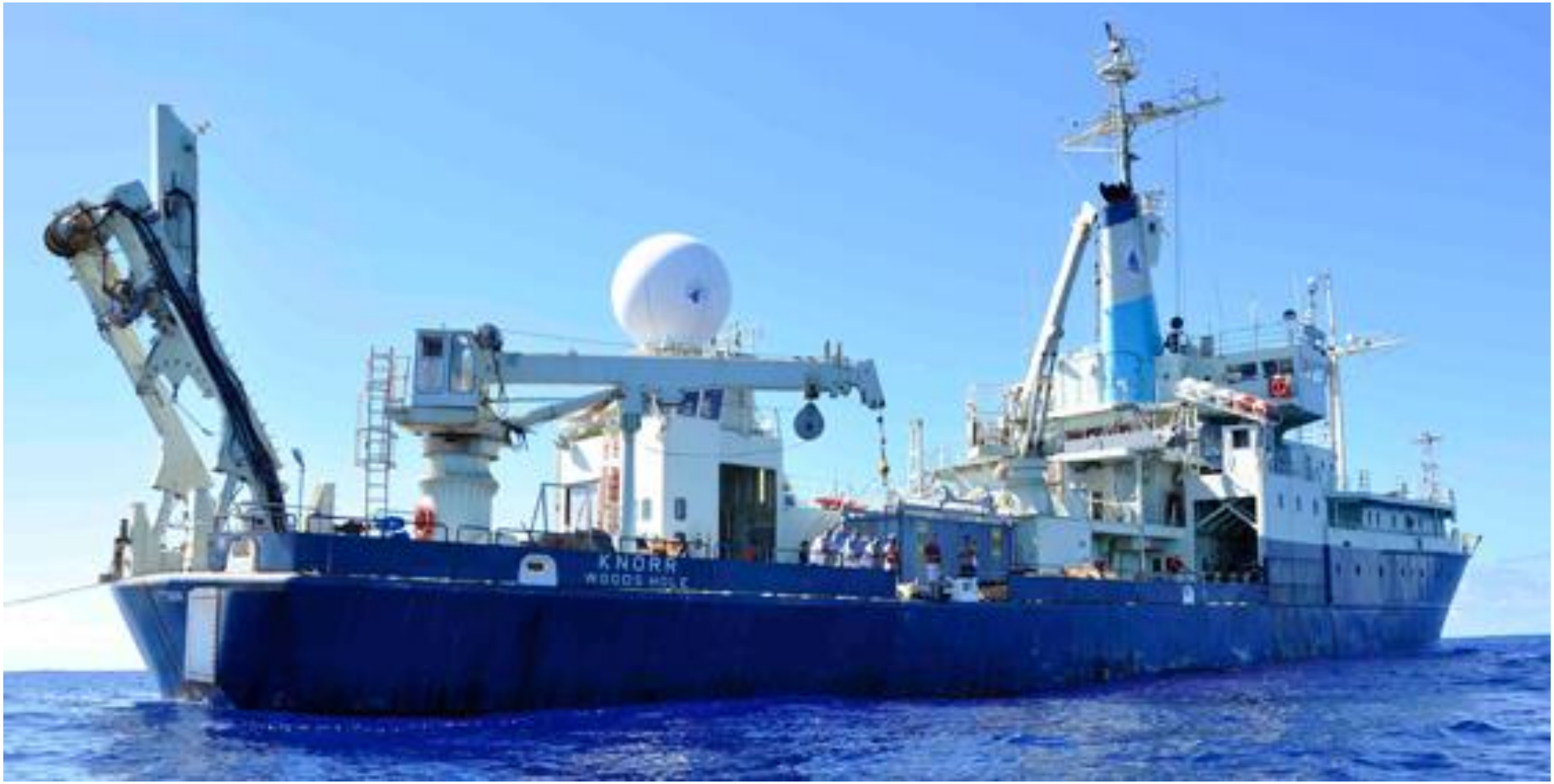


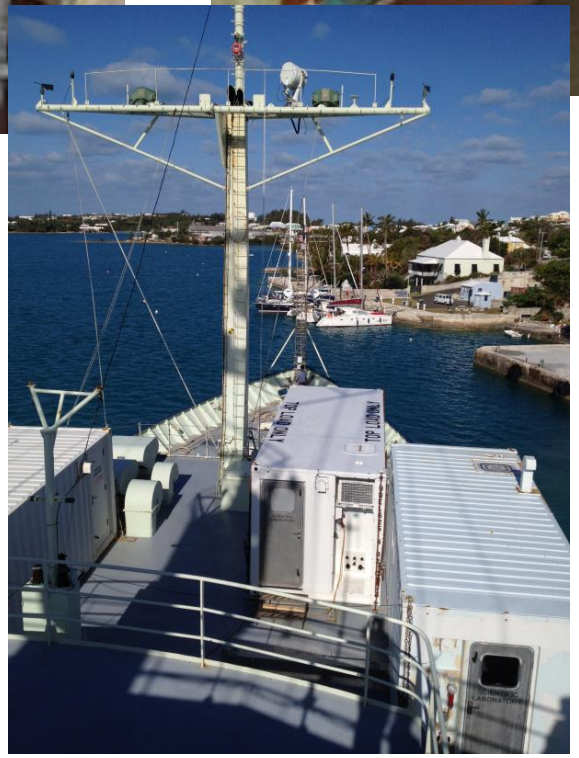
Source: Discovering Plate Boundaries by Dale S. Sawyer.



Courtesy of NASA. Image in the public domain.



Courtesy of NASA / Eric Lindstrom. Photograph in the public domain.



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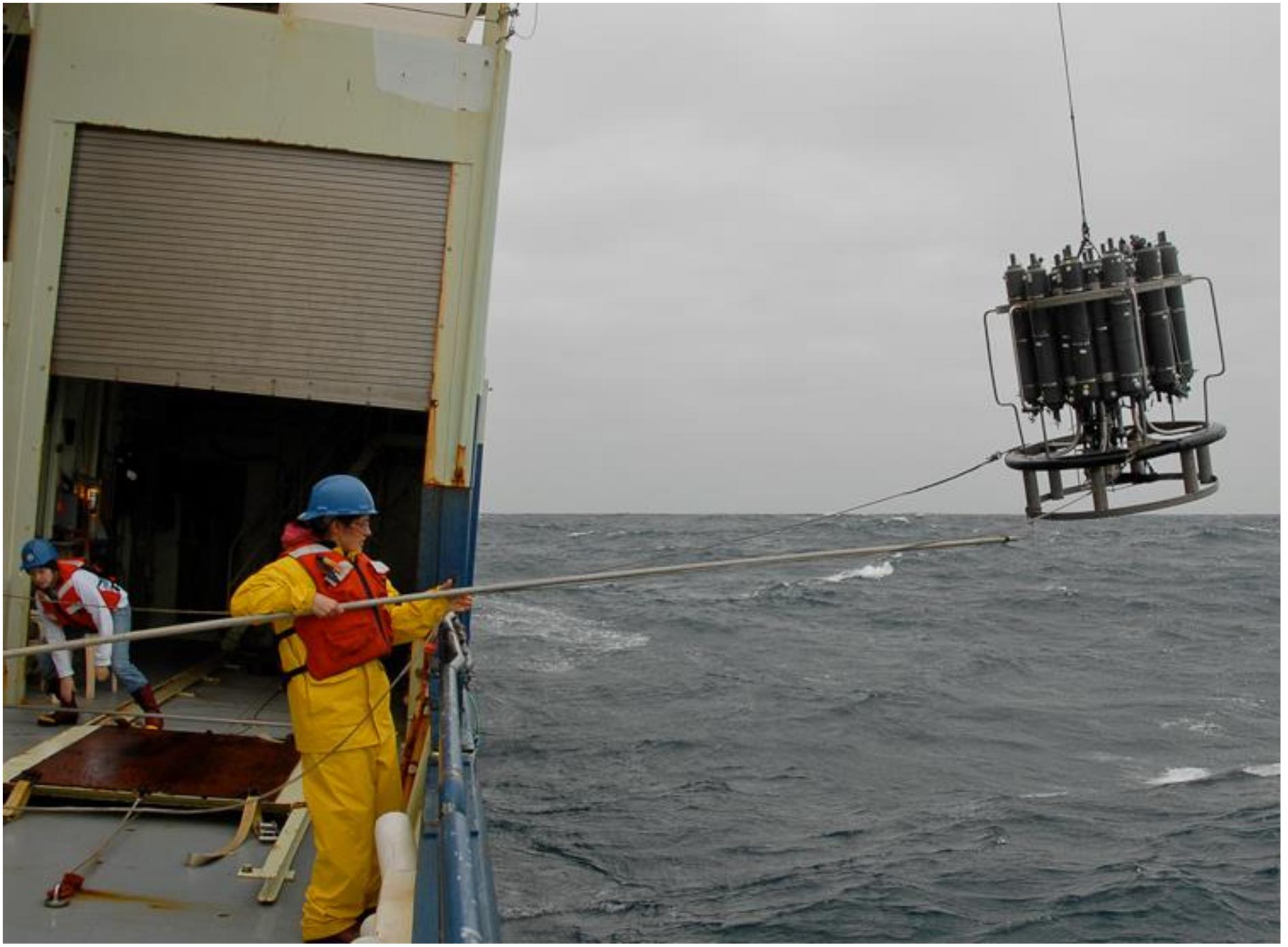
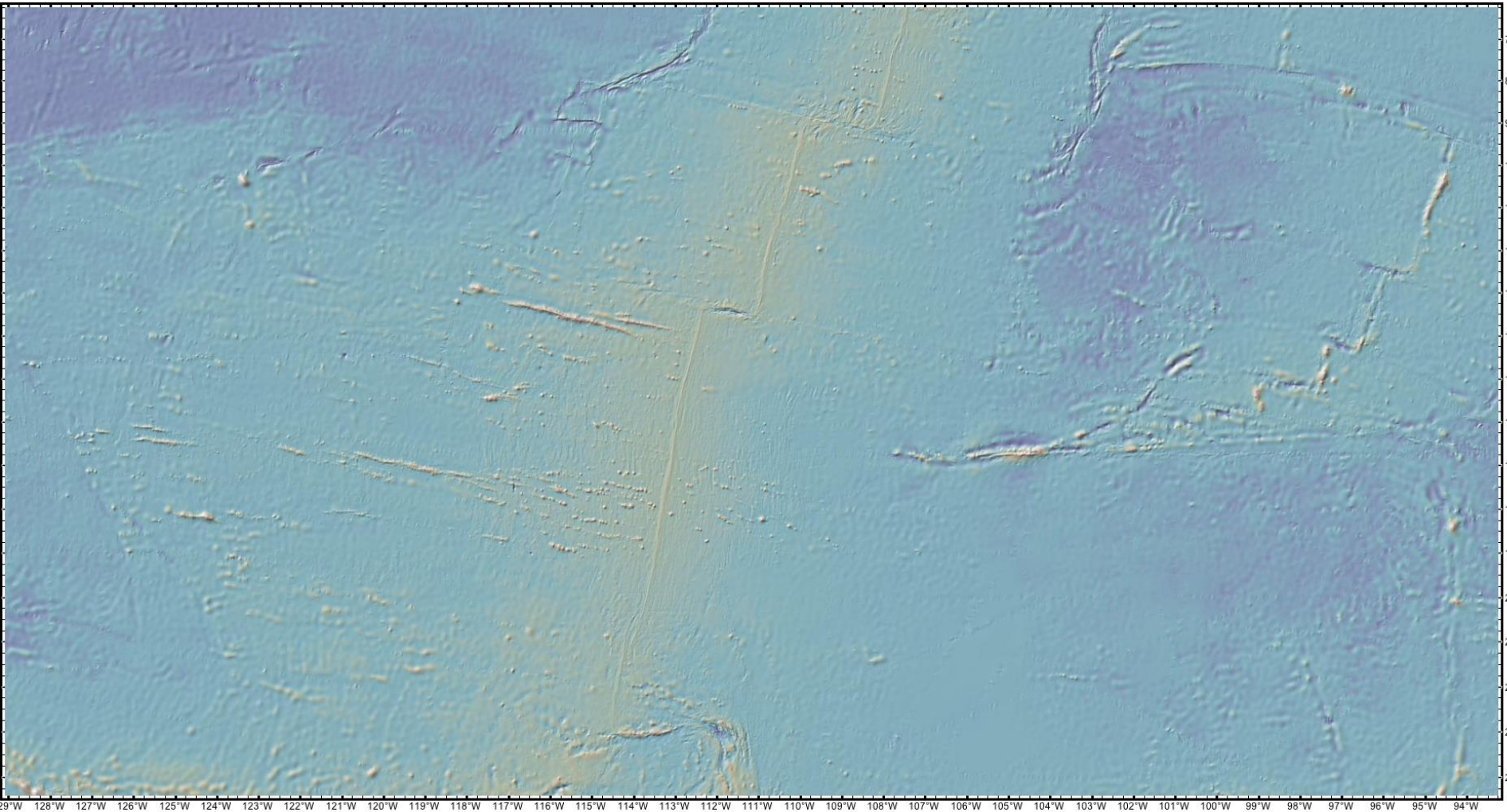


Courtesy of NASA. Image in the public domain.

Courtesy of NASA. Image in the public domain.



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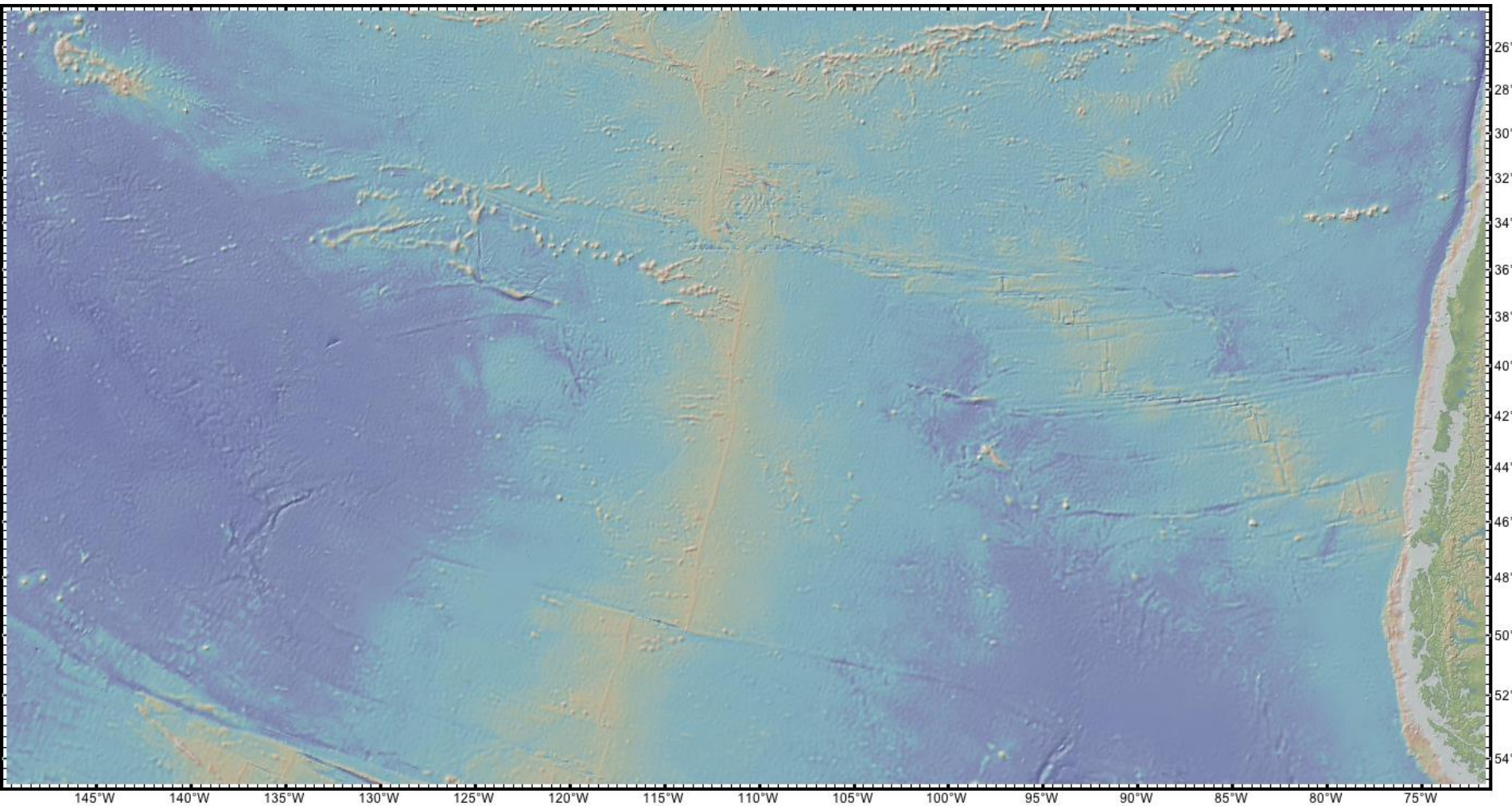

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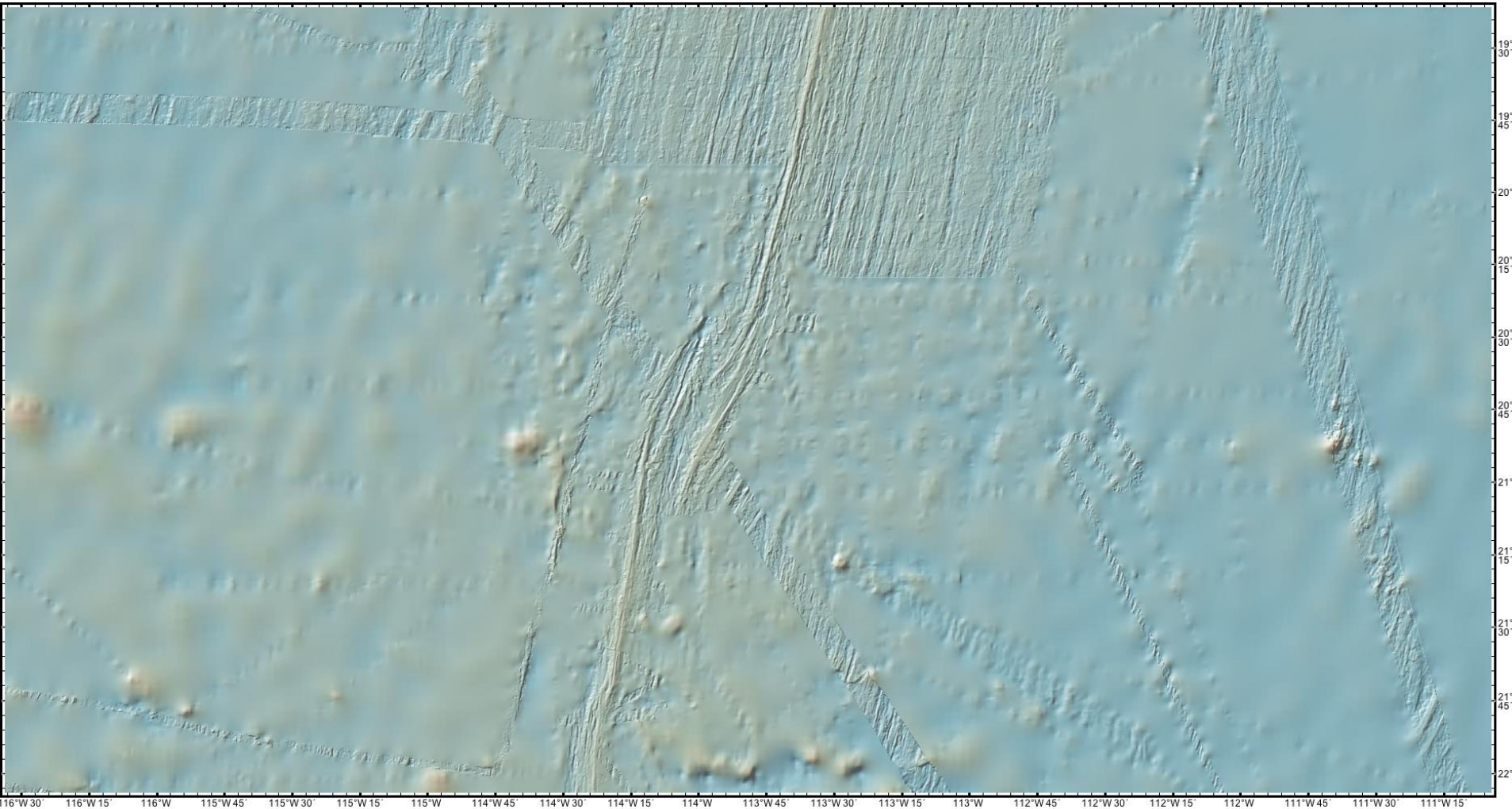

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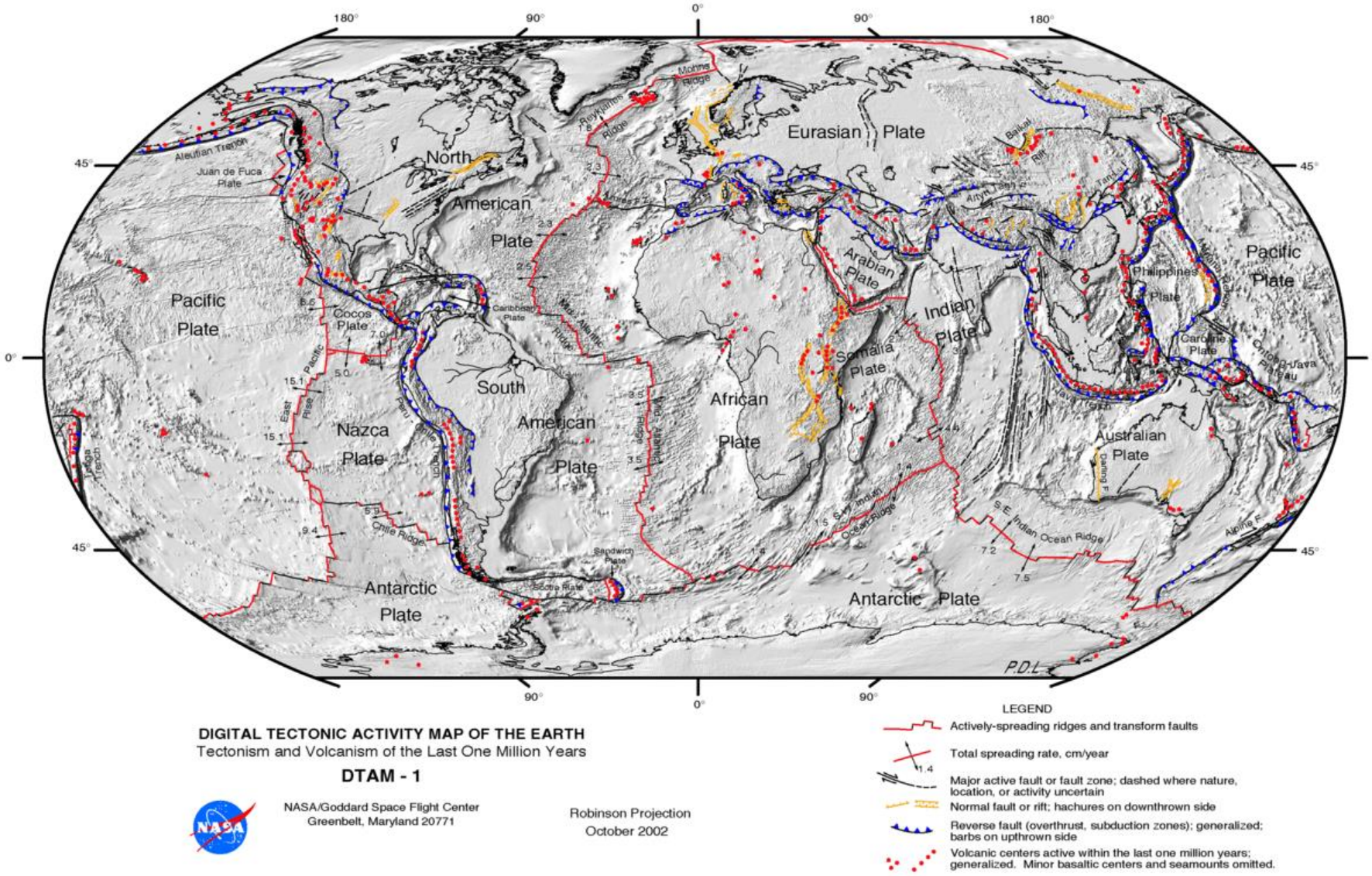

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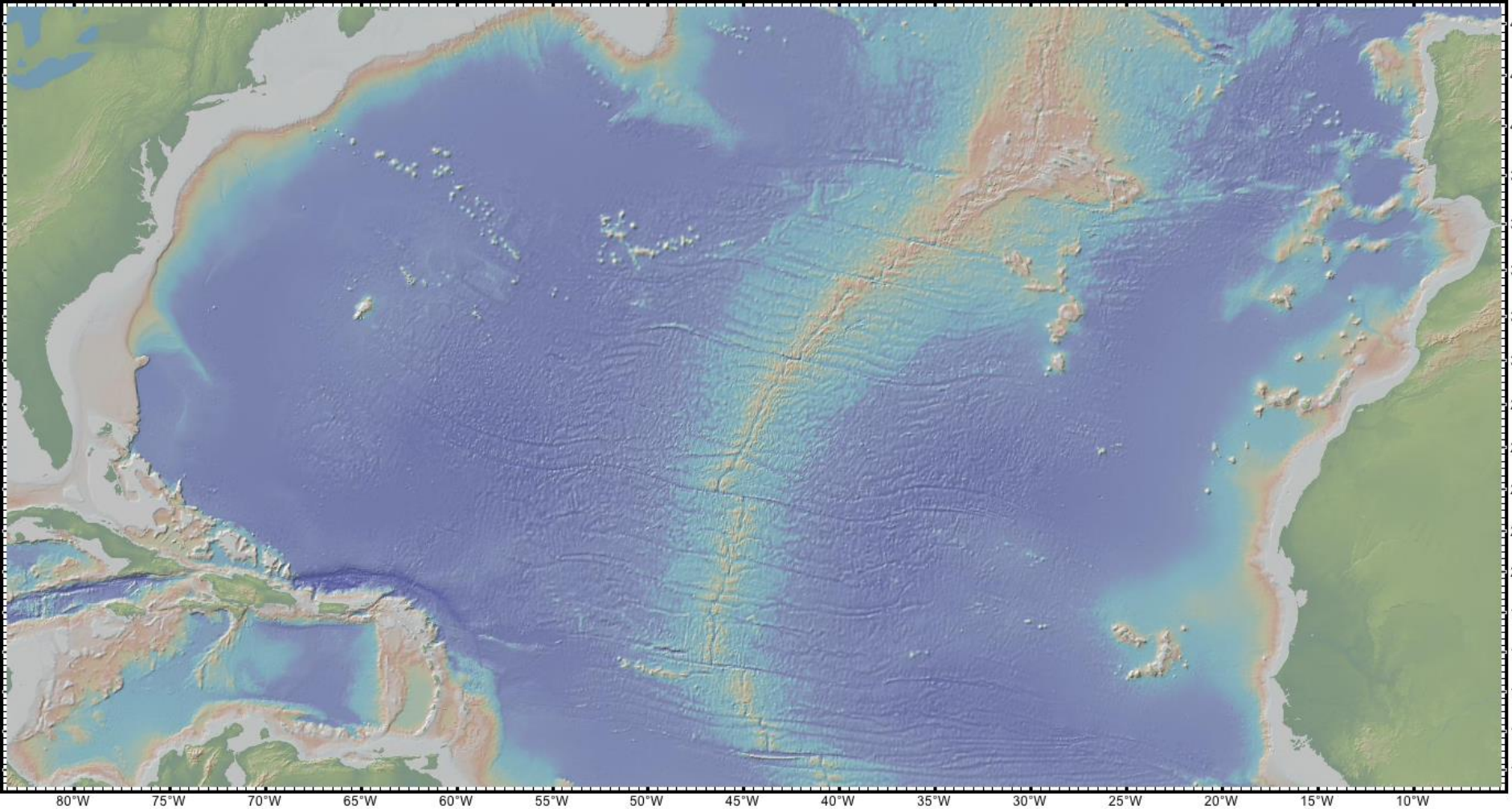

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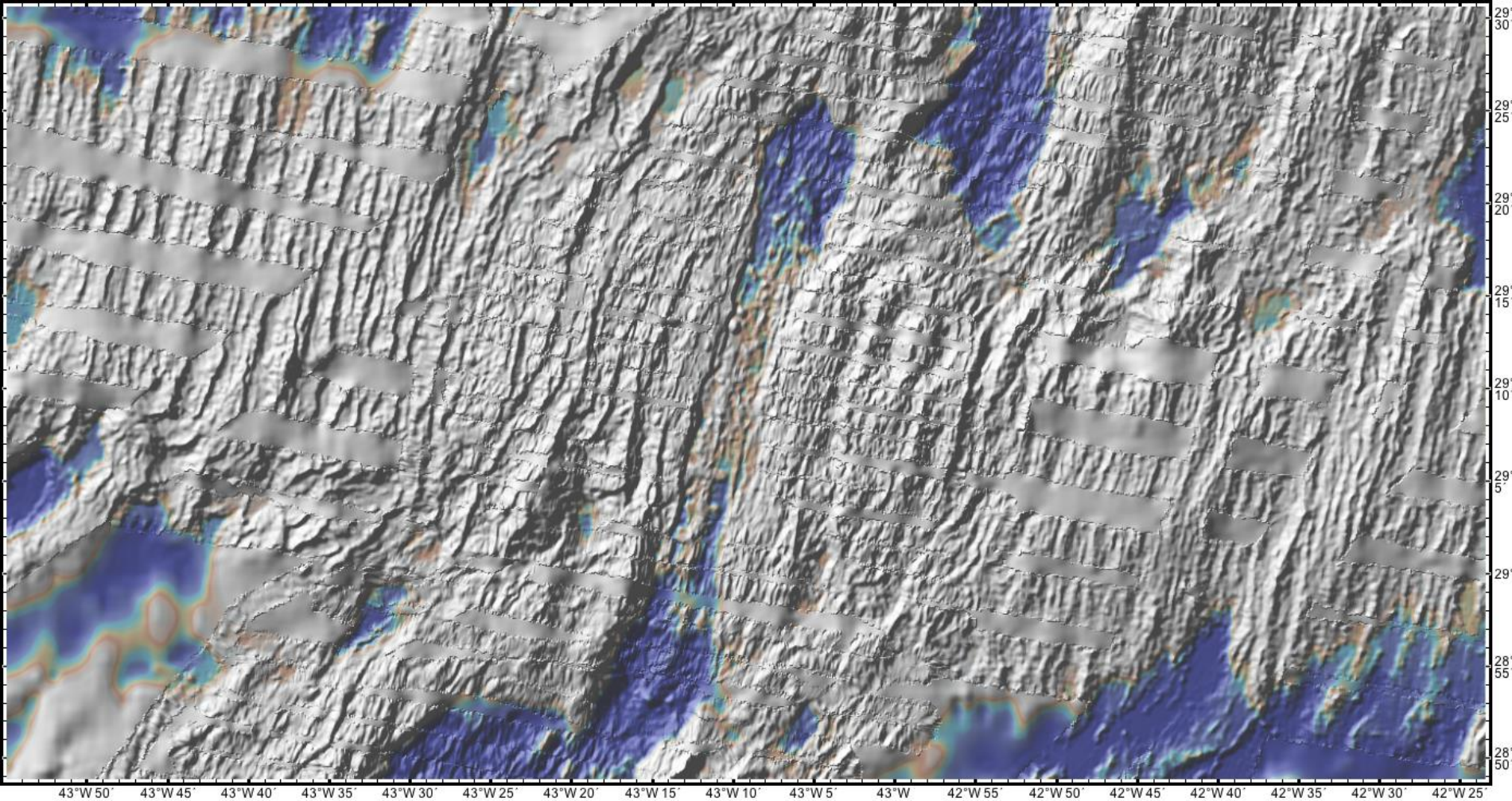

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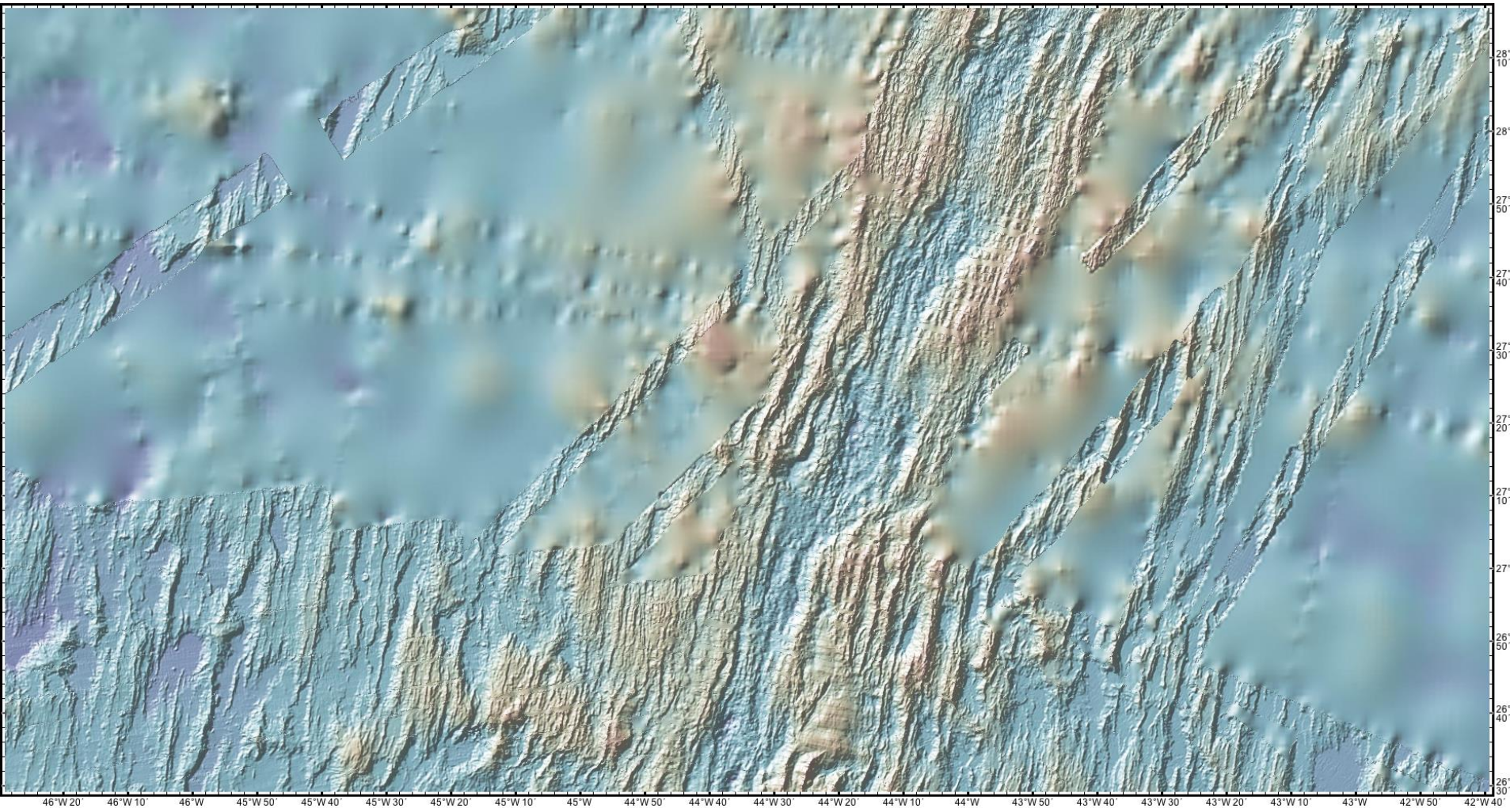

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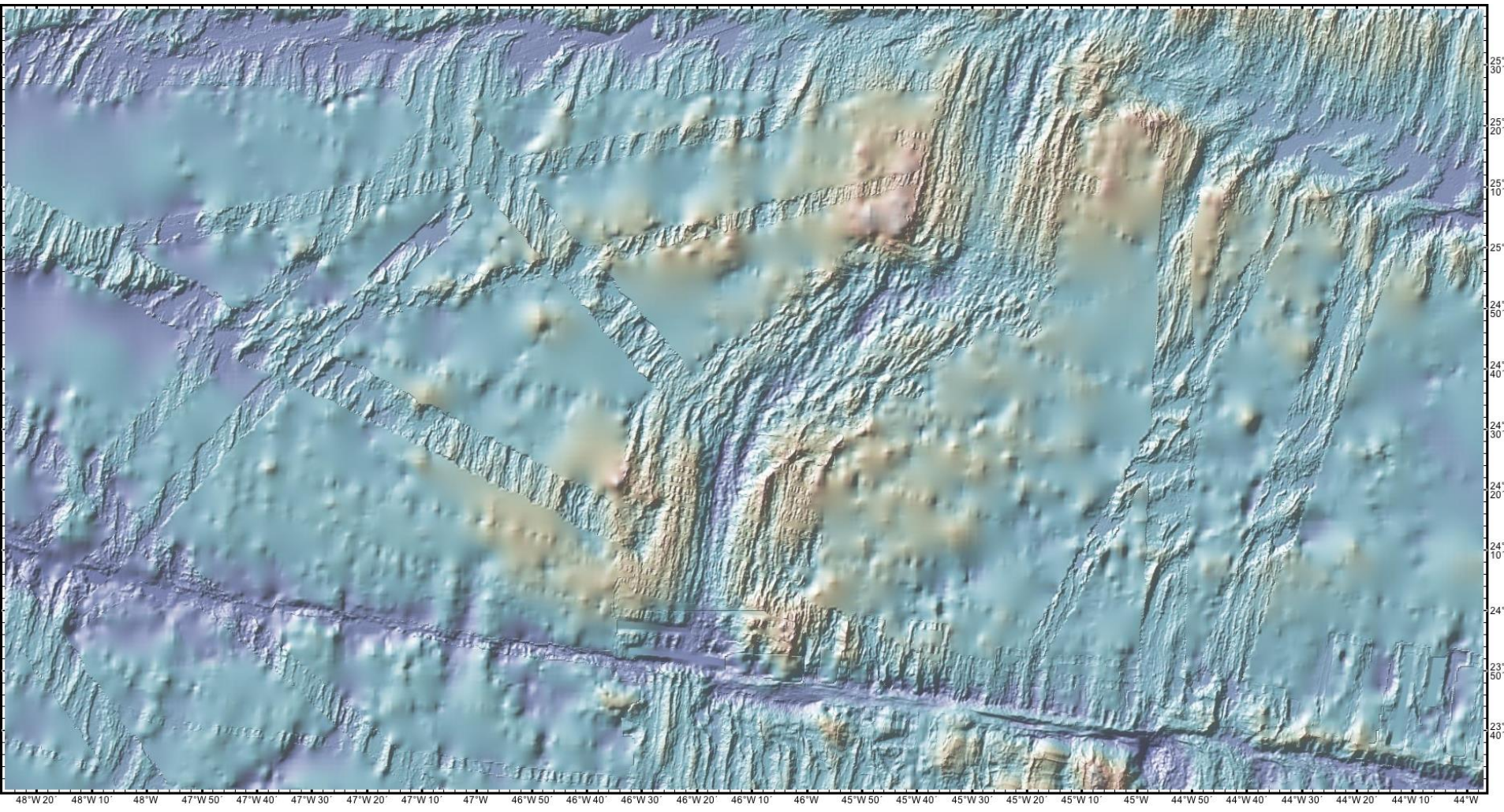

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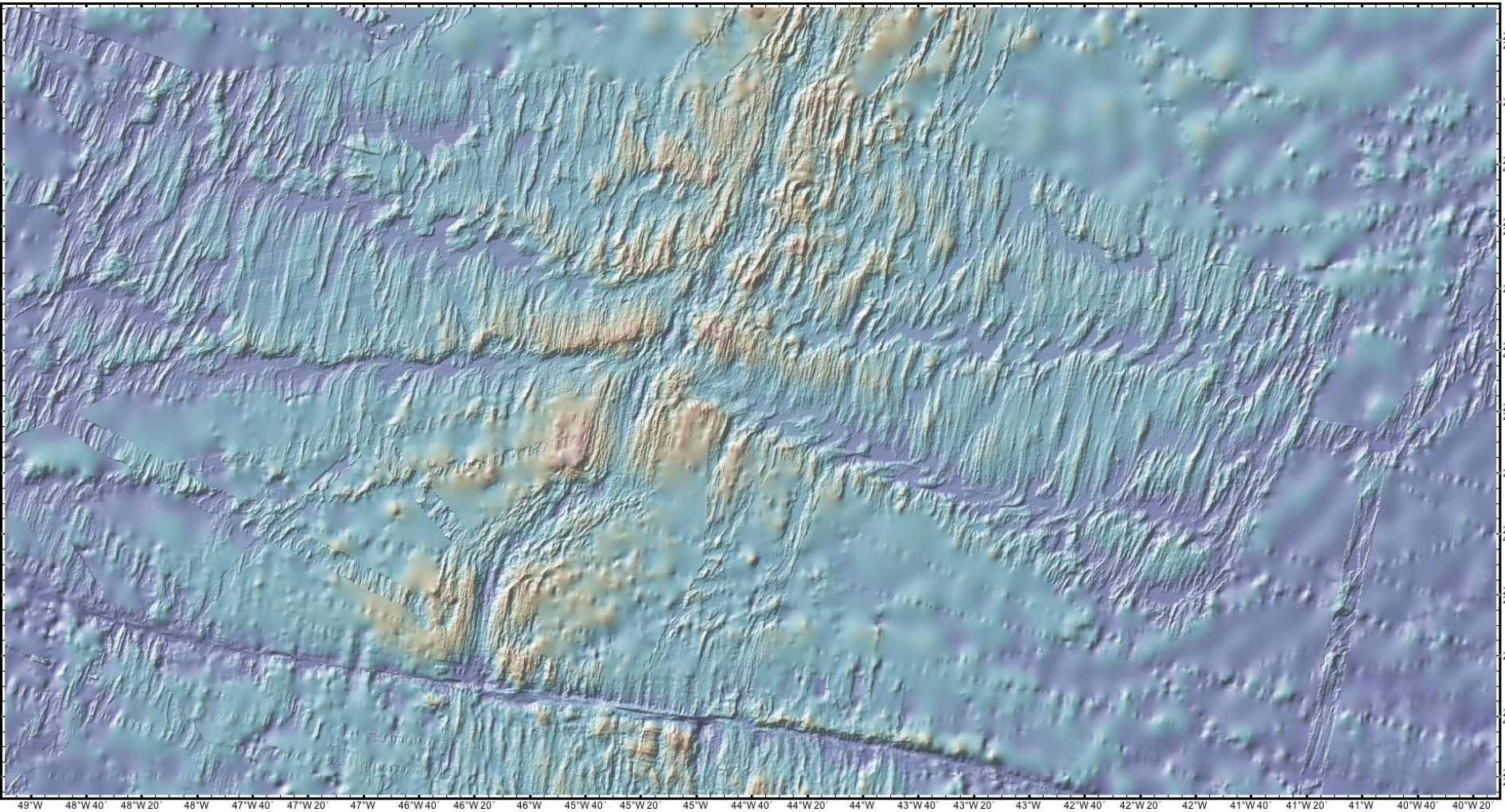

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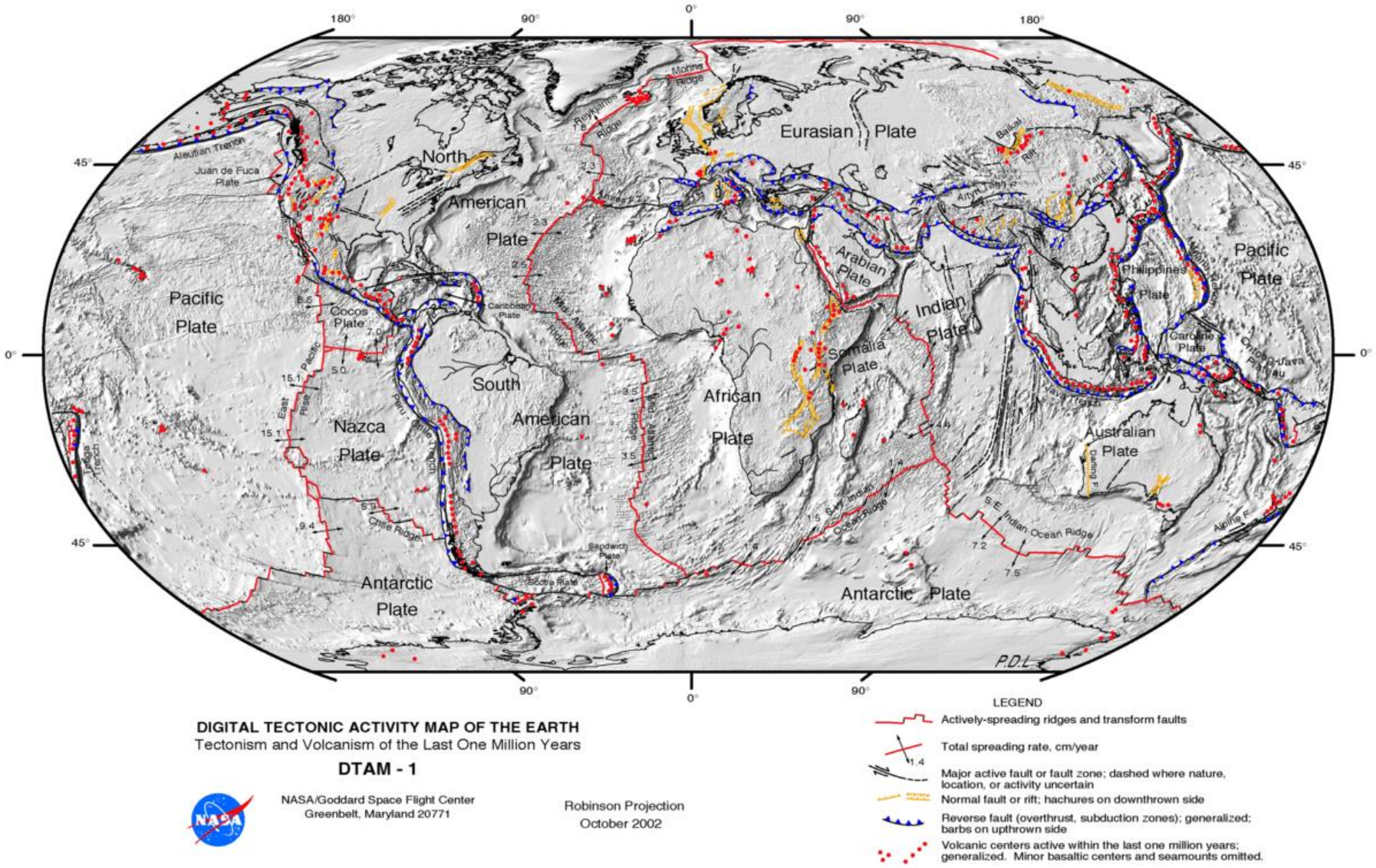

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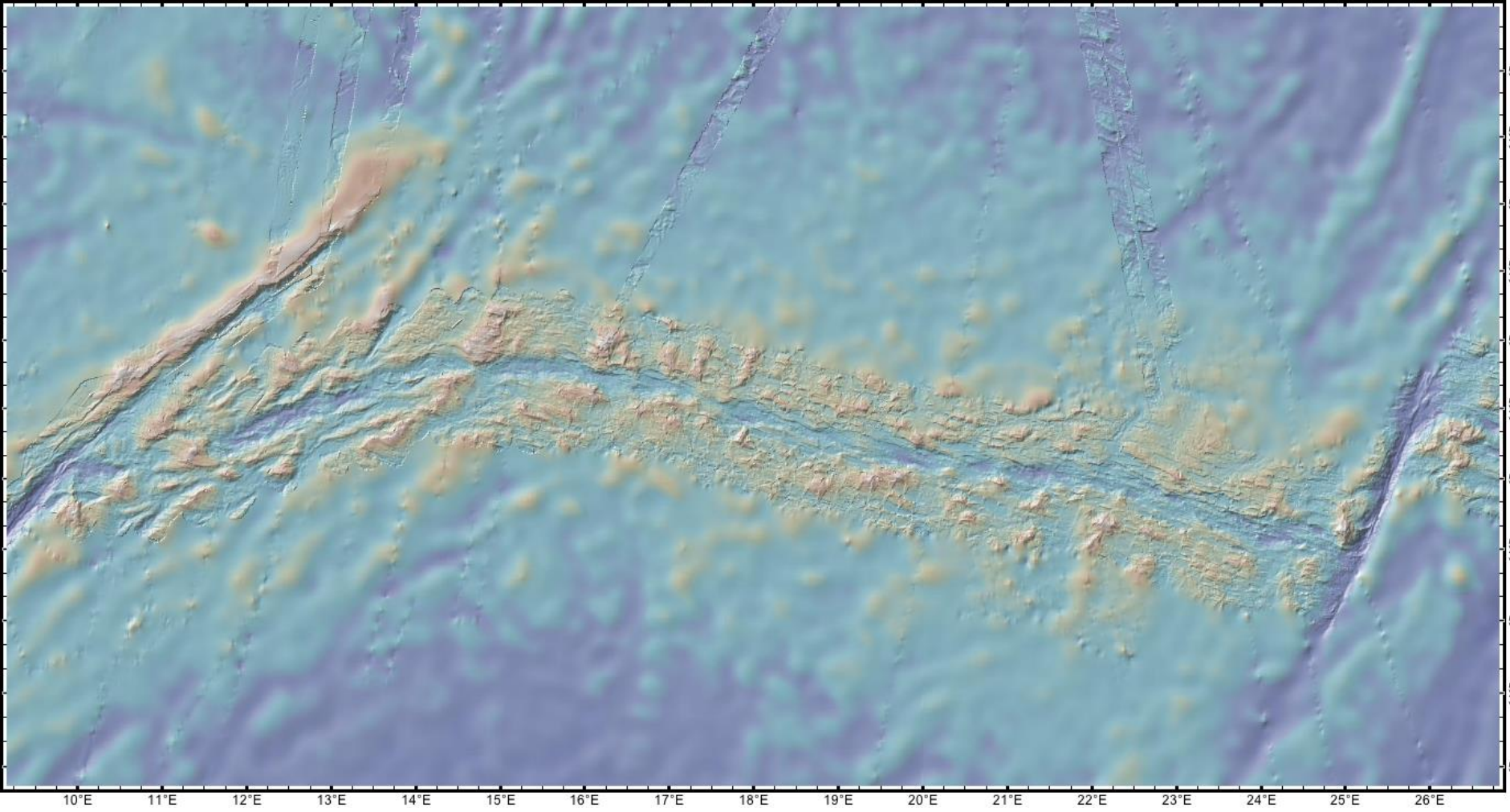
Courtesy of NASA. Image in the public domain.



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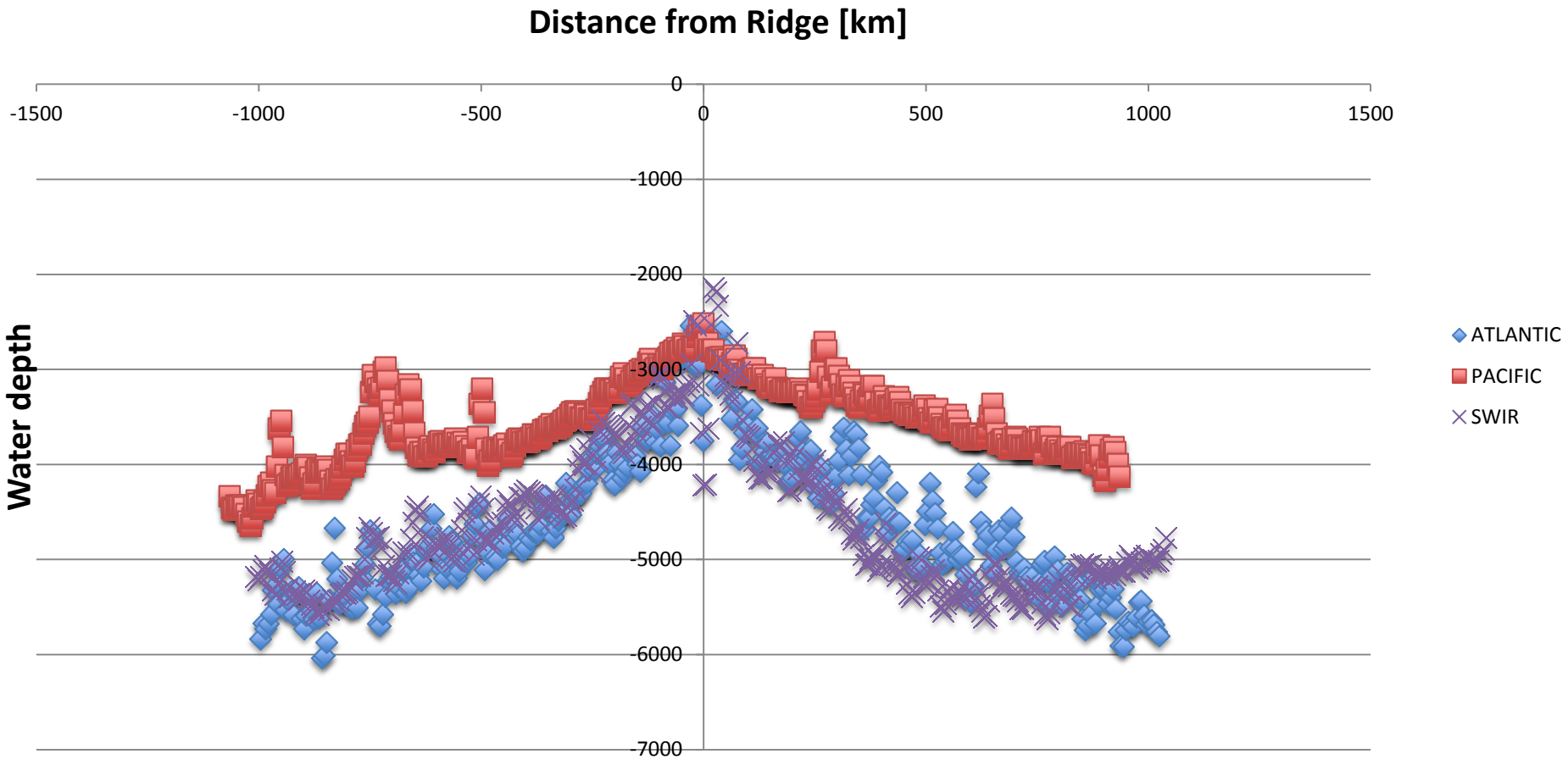
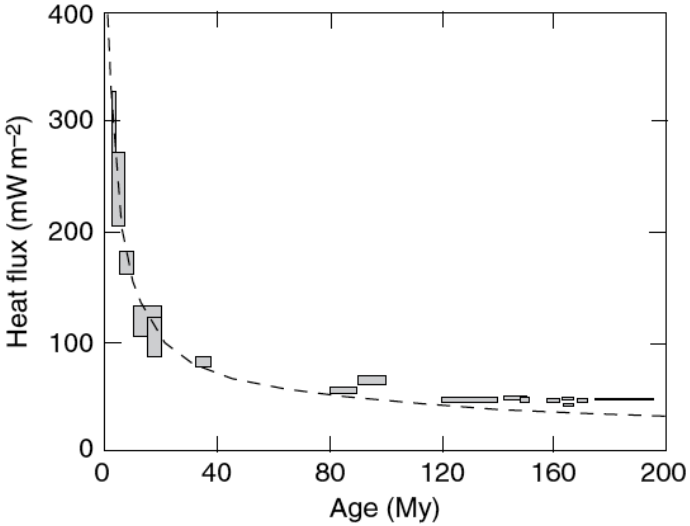
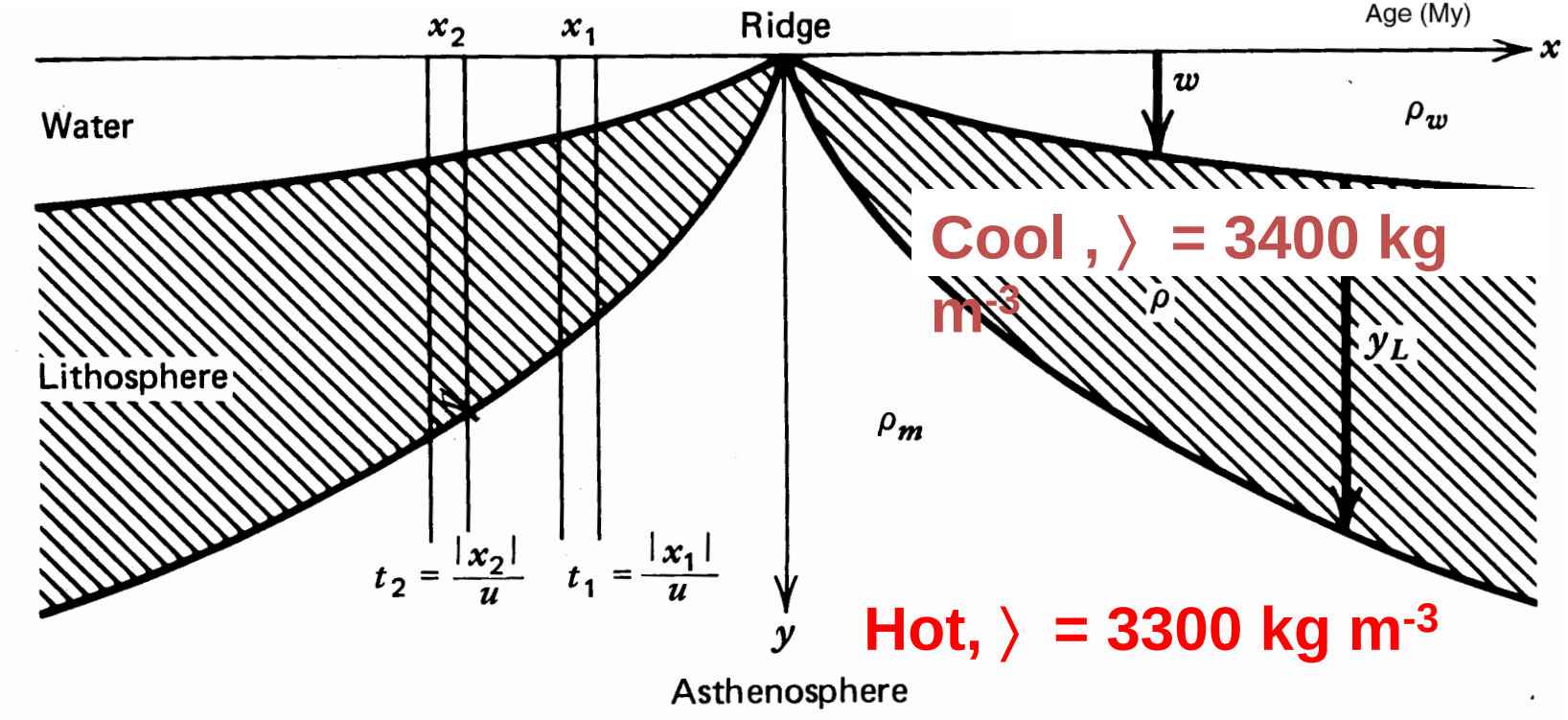
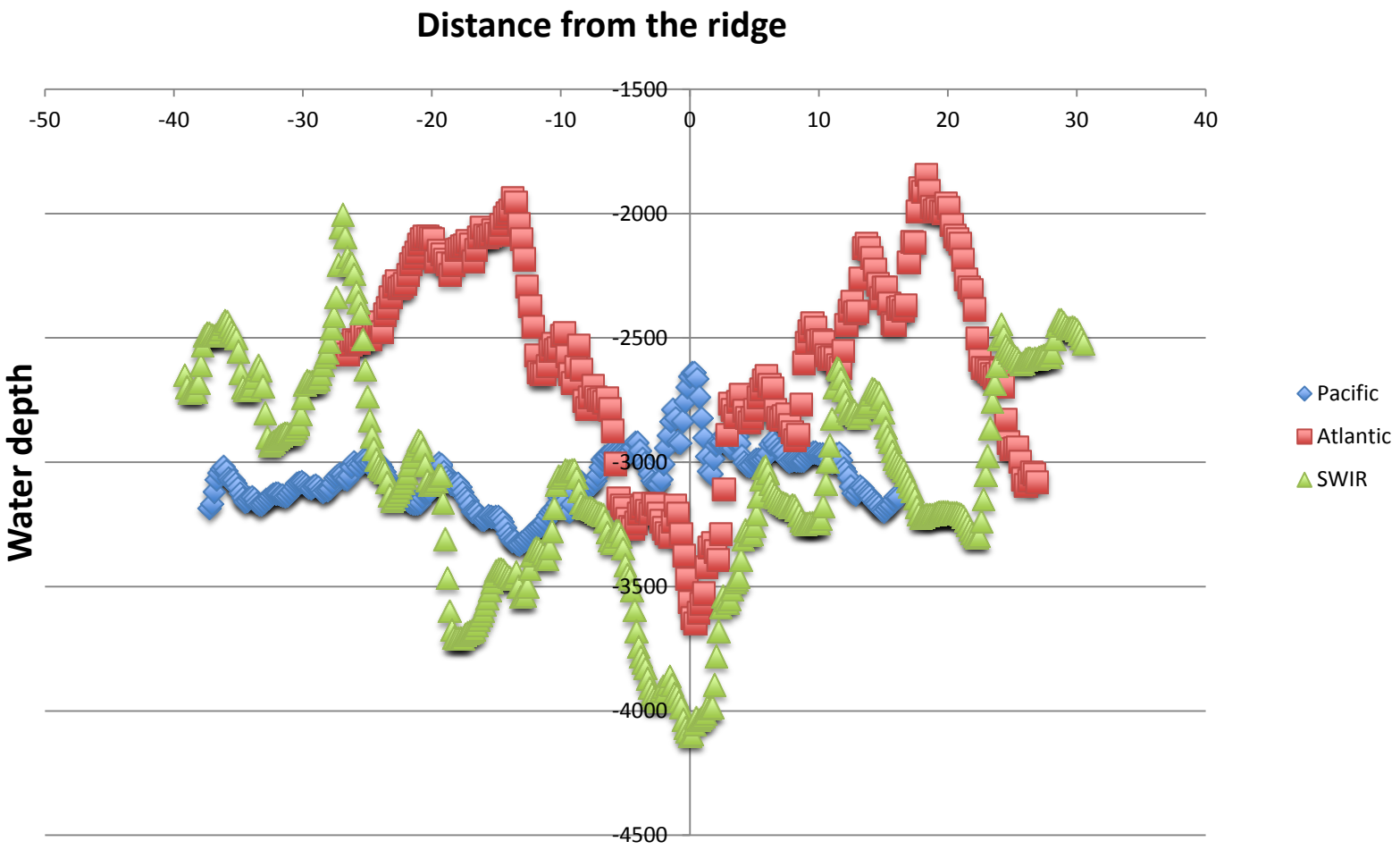

Distance from Ridge [km]
Water depth
0
-1500
-1000
-500
0
500
1000
1500
-1000
-2000
-3000
-4000
-5000
-6000
-7000
ATLANTIC
PACIFIC
SWIR

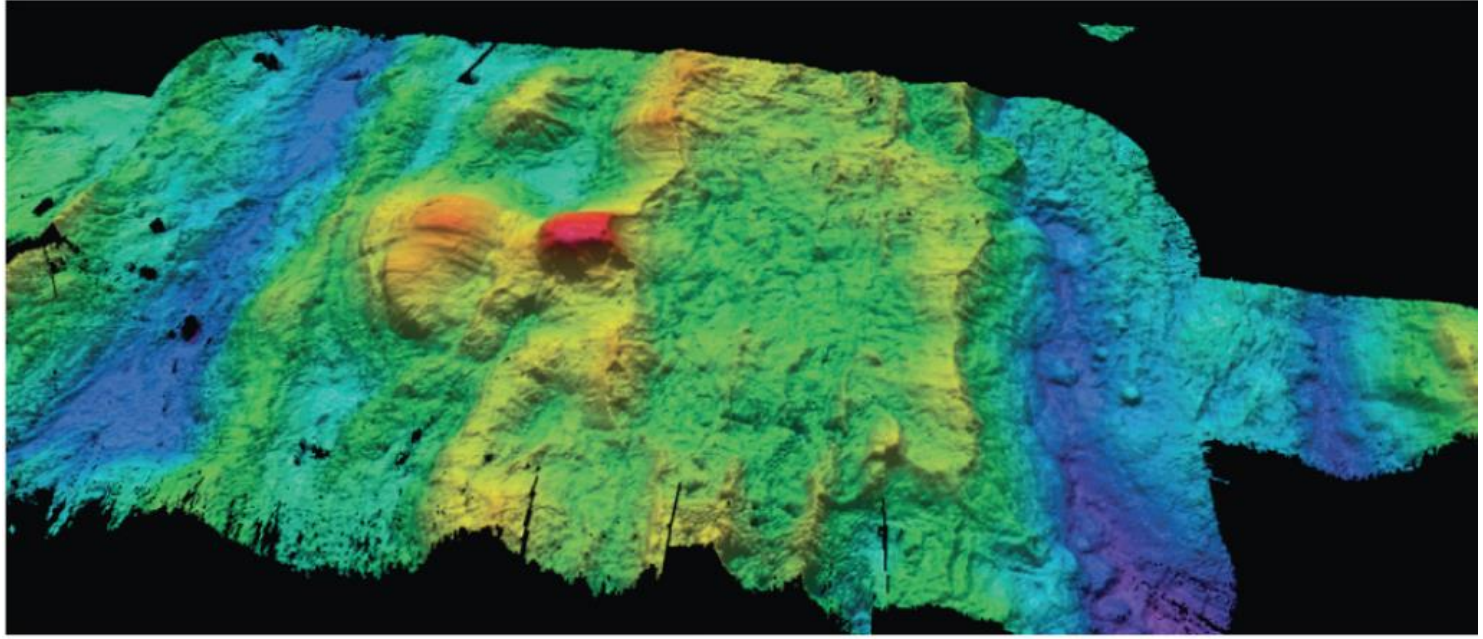
$$h^2 \sim kt$$

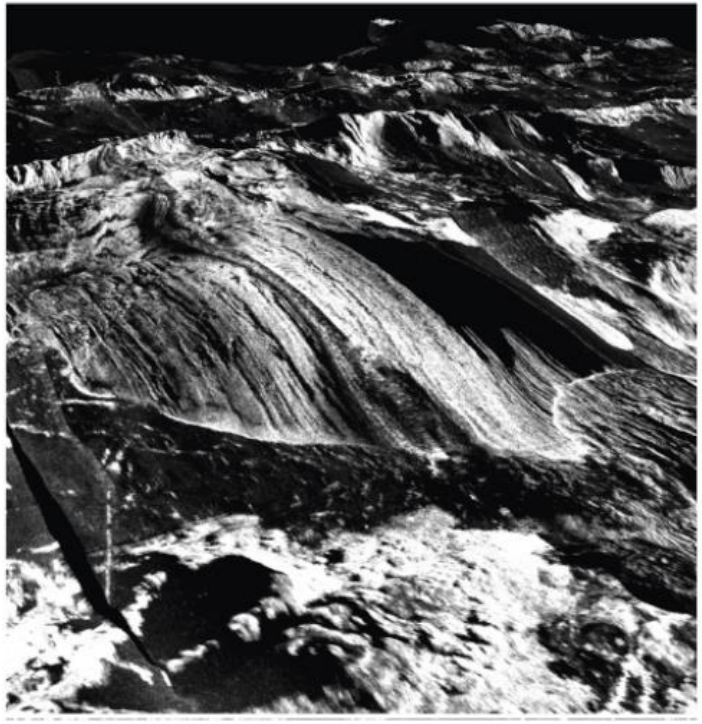
$$h \sim \sqrt{kt}$$

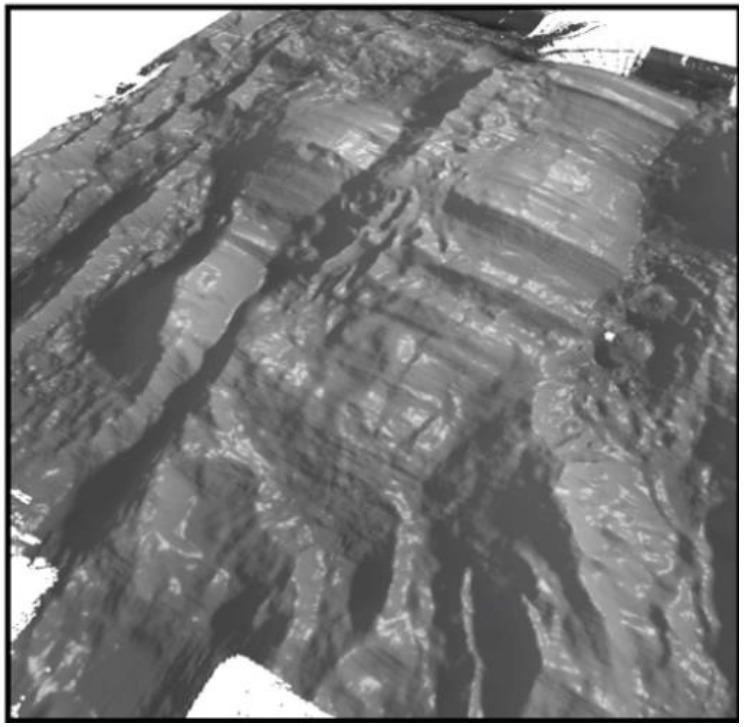




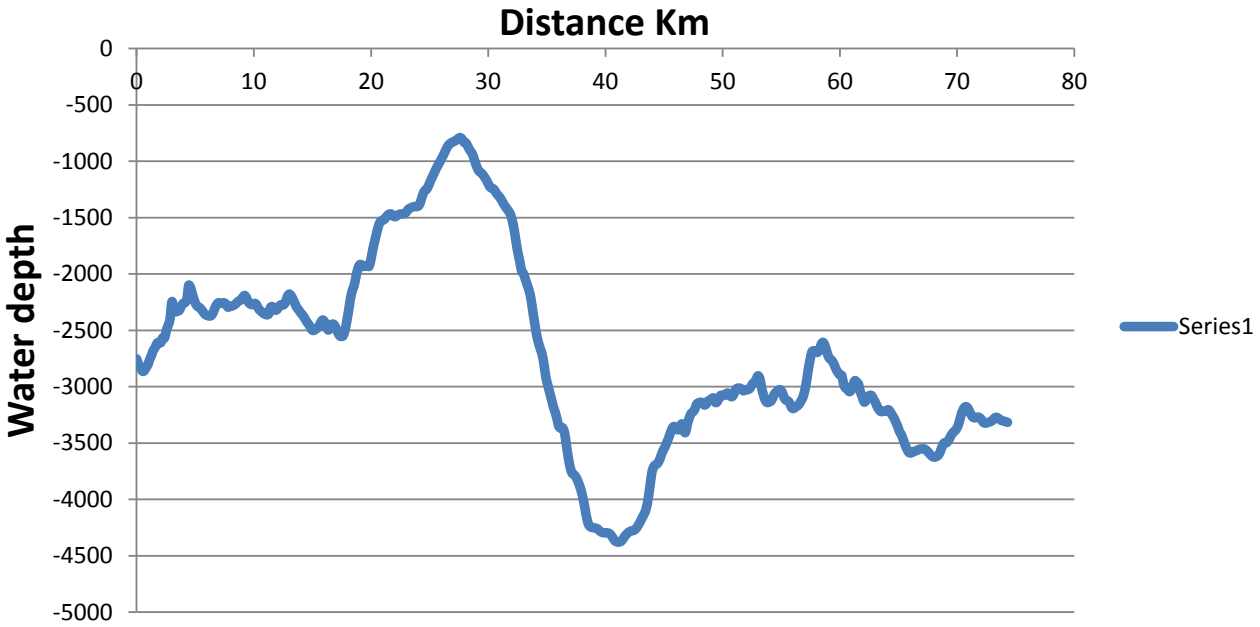

Distance from the ridge
Water depth
-1500
-2000
-2500
-3000
-3500
-4000
-4500
-50
-40
-30
-20
-10
0
10
20
30
40
Pacific
Atlantic
SWIR

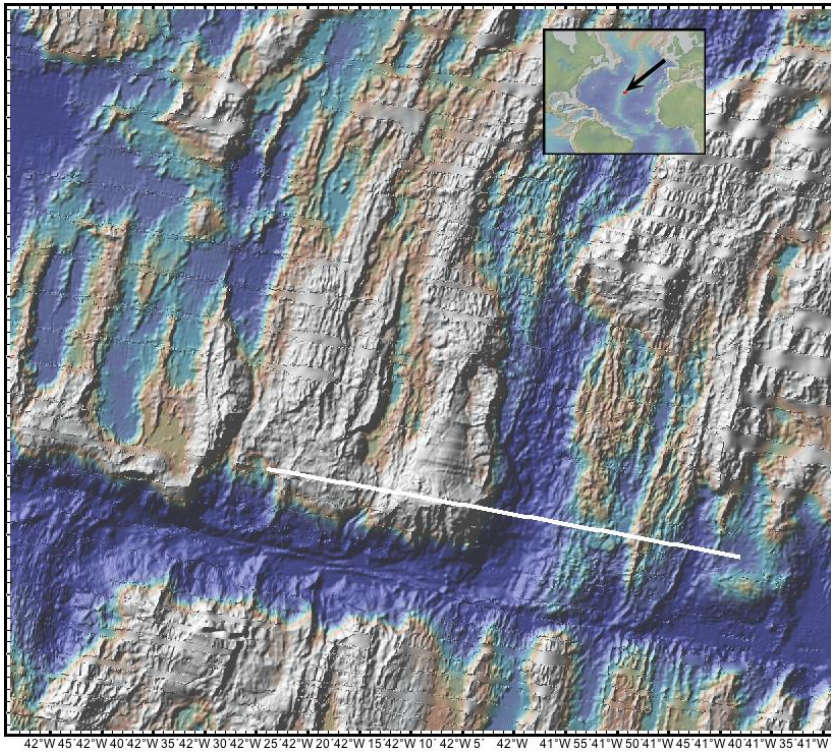




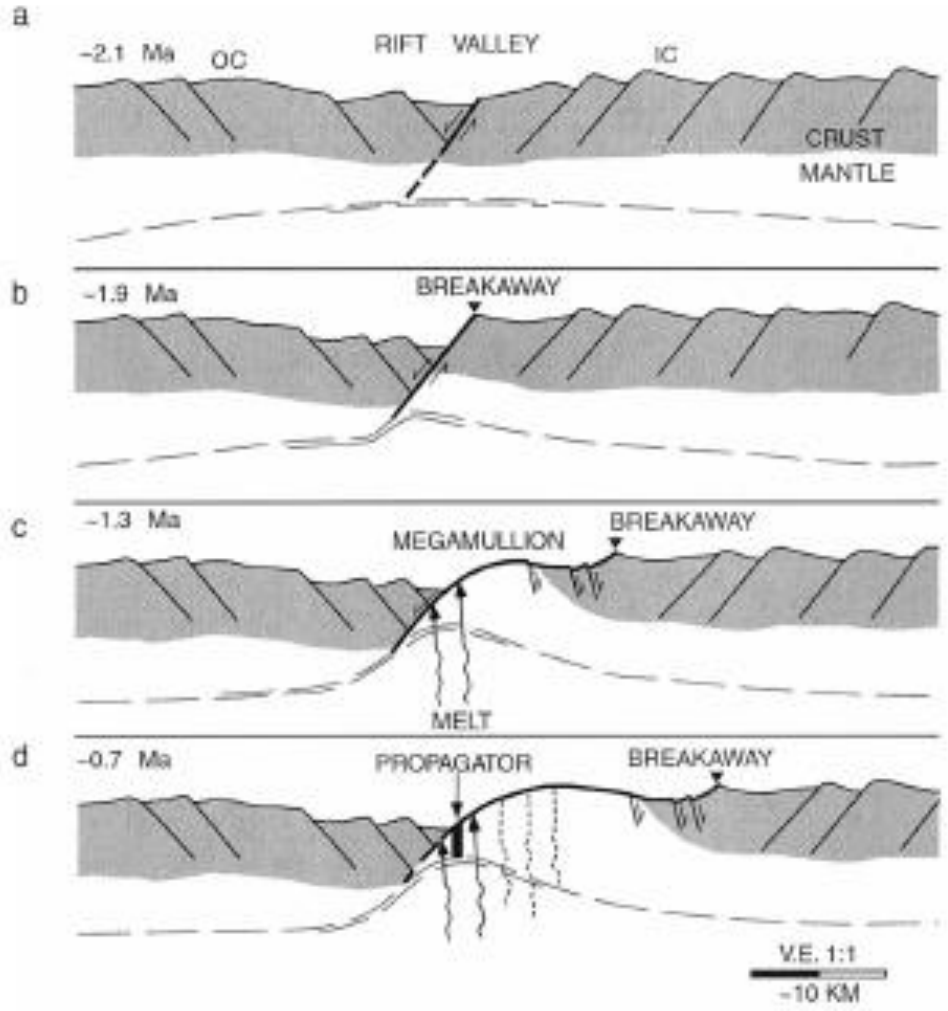


Courtesy of NASA. Image in the public domain.





Courtesy of NASA. Image in the public domain.



Source: Tucholke, Brian E., Kantaro Fujioka, et al. "Submersible Study of an Oceanic Megamullion in the Central North Atlantic." *Journal of Geophysical Research: Solid Earth (1978ï2012)* 106, no. B8 (2001): 16145-61.

12.001 Introduction to Geology

Fall 2013