

Magnetics 5

GEOS 602

Geophysical Fields

Apparent Polar Wander Curves

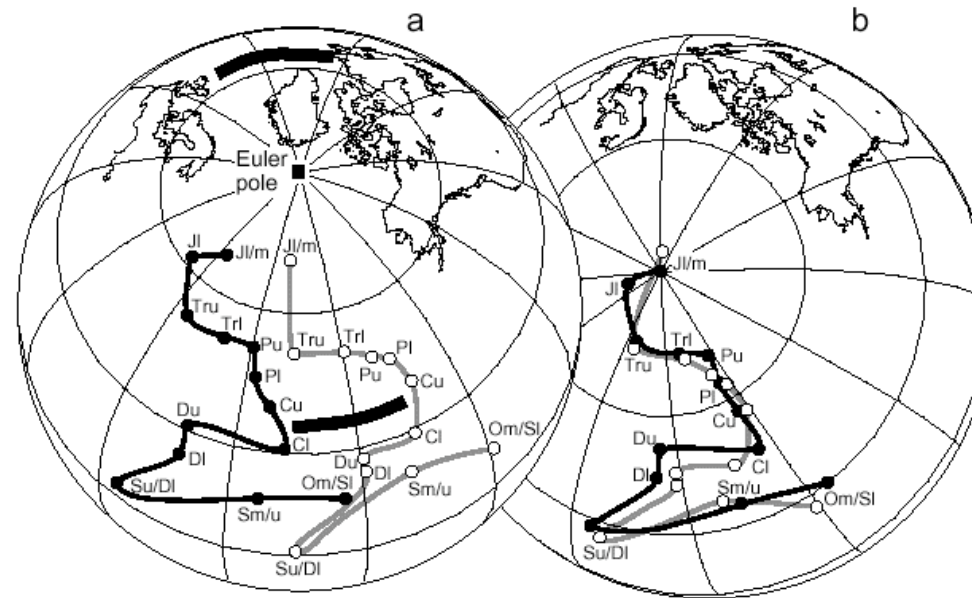


Figure 10.9 (a) Paleozoic and Mesozoic APW paths of North America and Europe. North American poles are shown by solid circles; European poles are shown by open circles; the Euler pole of Bullard et al. (1965) for reconstruction of the North Atlantic prior to Cretaceous and Cenozoic opening is shown by the solid square; the Euler pole location is 88.5°N, 27.7°E; in (b), Europe is rotated 38° clockwise about the Euler pole toward a fixed North America (upper bold arrow); during this rotation, the European APW path also rotates clockwise about the Euler pole (lower bold arrow). (b) Middle Jurassic paleogeographic reconstruction of North America and Europe; O = Ordovician; S = Silurian; D = Devonian; C = Carboniferous; P = Permian; Tr = Triassic; J = Jurassic; l = lower; m = middle; u = upper. Modified from Van der Voo (1990) with permission from the American Geophysical Union.

Plate Reconstructions

- The following figures are plate reconstructions from Larry Lawver at UT Austin, and are available on his website (with a lot of other cool stuff):
<http://www.ig.utexas.edu/people/staff/lawver/>
- Lawver is one of the key people behind the PLATES project, and has produced software for visualizing plate reconstructions.



550 Ma
Earliest Cambrian



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400 Ma
Early Devonian



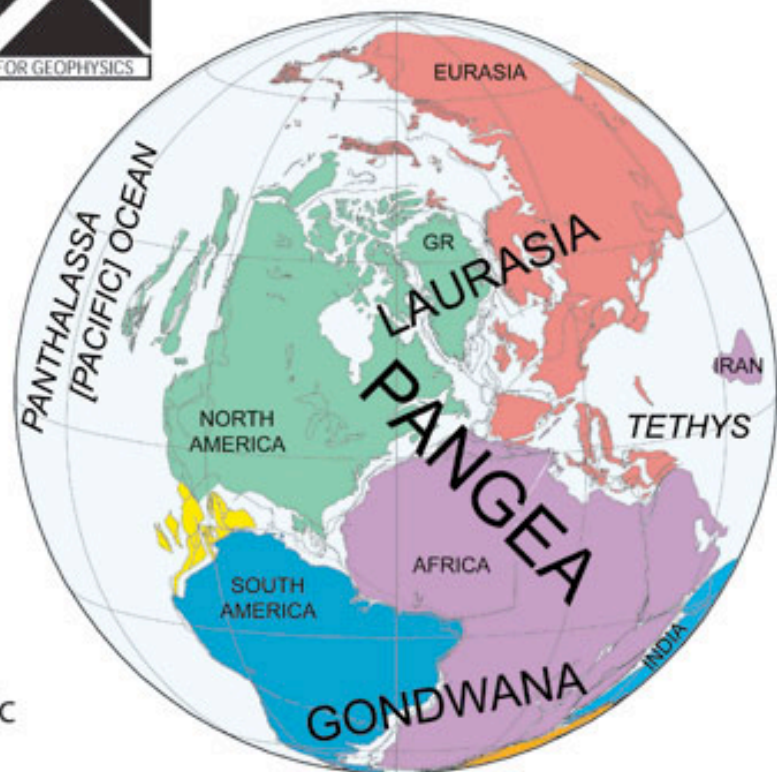


300 Ma
Late Pennsylvanian





250 Ma
Early Triassic

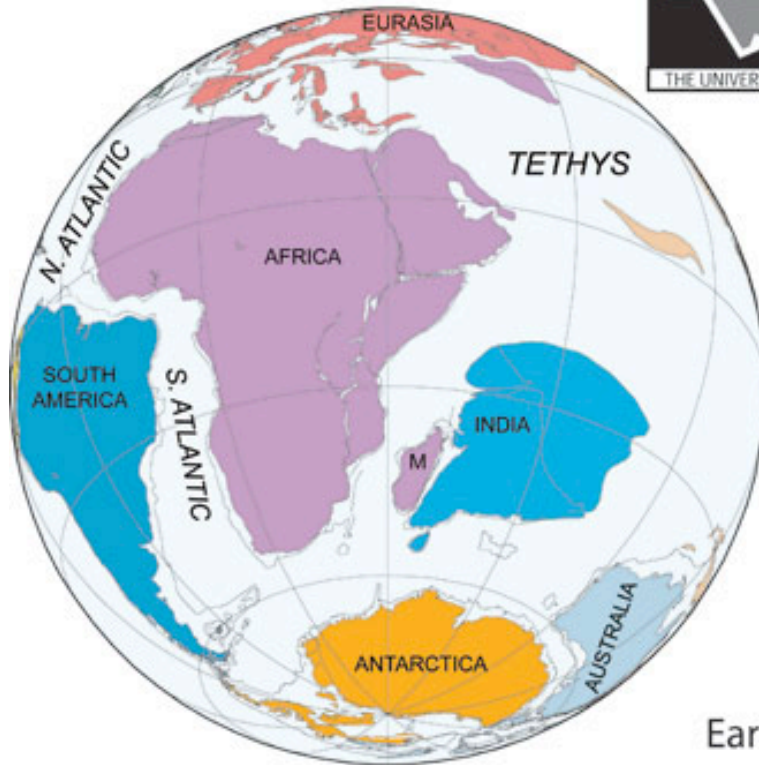




200 Ma
Late Triassic



150 Ma
Late Jurassic



100 Ma
Early Cretaceous

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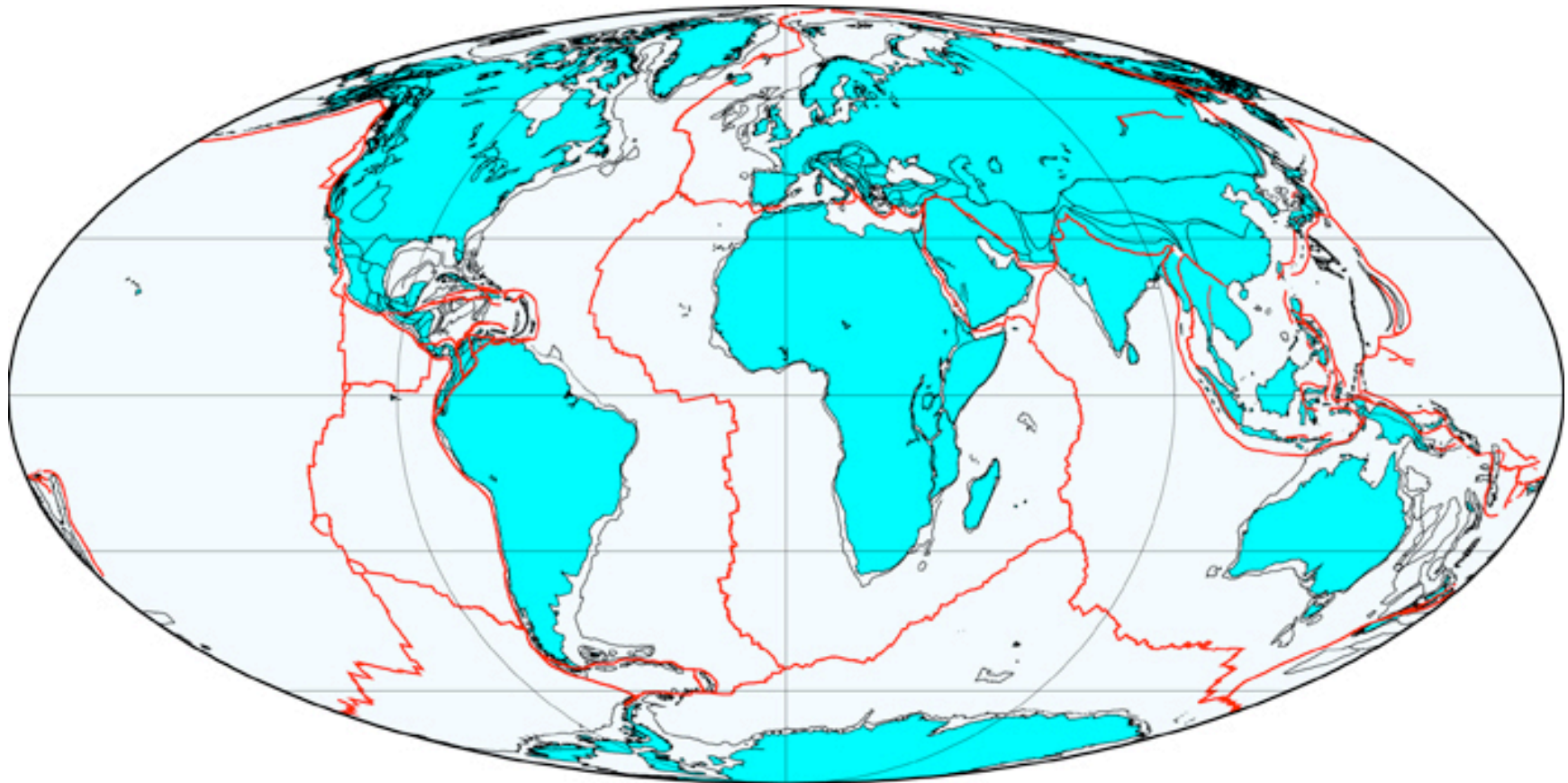


60 Ma
Middle Paleocene



40 Ma
Middle Eocene

Present Day



100 Million Years in the Future?

