

Deep Time Maps

GLOBAL GEOLOGY AND PLATE TECTONICS (GPT)

- Time slices: 57 (most 10 or 20 million years apart)
- Date range: 600 Ma to Present, including Late Pleistocene glacial paleogeography
- Resolution: 6000 x 3000 pixels (10 X 20 inches at 300 dpi)
- File formats: Photoshop® layered docs (5-6 layers/map) and JPG
- Layers include lat-long lines and country/continent outlines
- Three versions each time slice: (1) no lines, (2) lat-long lines, and (3) country/continent outlines
- Projections: Equal Rectangular, Mollweide (oval whole Earth), N and S Polar Orthographic (any orthographic orientation is possible from original rectangular projection)
- Also includes 17 time slices showing global tectonic elements projected as Mollweide and N and S Polar maps (51 maps total)
- 8 time slices with labeled plate/country boundaries

NORTH AMERICAN (NAM) KEY TIME SERIES

- Time Slices: 44
- Date Range: 540 Ma to Present plus 4 Precambrian maps
- Resolution: 4762 X 5956 pixels (~16 X 20 inches @ 300 dpi)
- File formats: Photoshop® layered docs (5-6 layers/map) and JPG
- Maps include coverage of the Arctic, Caribbean, Central America, parts of Western and Northern Europe, NW Africa, and Northern South America
- State and Province boundaries are shown. Paleo latitude lines are also shown. Map projection is Transverse Mercator with 100 degrees W as the central meridian (same projection used on GSA's Geologic Map of North America). Each time slice includes a full-resolution JPG file and ~1/4 resolution JPG
- 2 terrane maps, 16 labeled plate-tectonic maps, and 15 facies maps (at least 1 per geologic period).
- 6 text files include map explanations and keys, construction information
- 16 pages of references – the sources of data used in constructing the maps.

- Time slices include at least two maps from each period (except Silurian), including 4 Jurassic, 6 Cretaceous and 8 Cenozoic with 1 glacial maximum map