# The **PLATES** 2020 Atlas of Plate Reconstructions (500 Ma to Present Day)

By L.A. Lawver, I.O. Norton, I.W.D. Dalziel, and M.D. Davis

# Progress Report No. 396-1220

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# The **PLATES** Project

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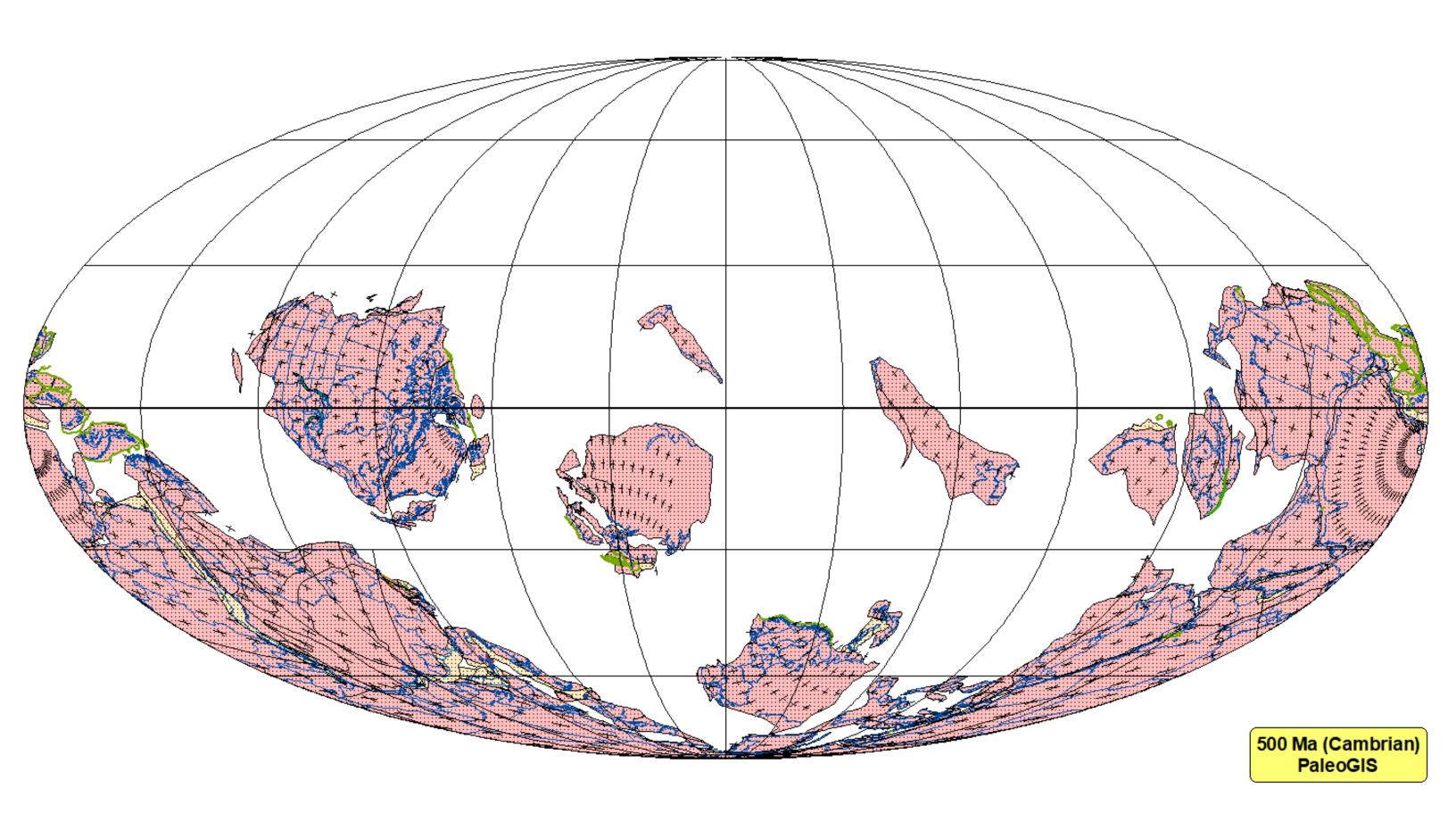
Principle Investigators: Lawrence A. Lawver, Ian W.D. Dalziel, and Ian O. Norton

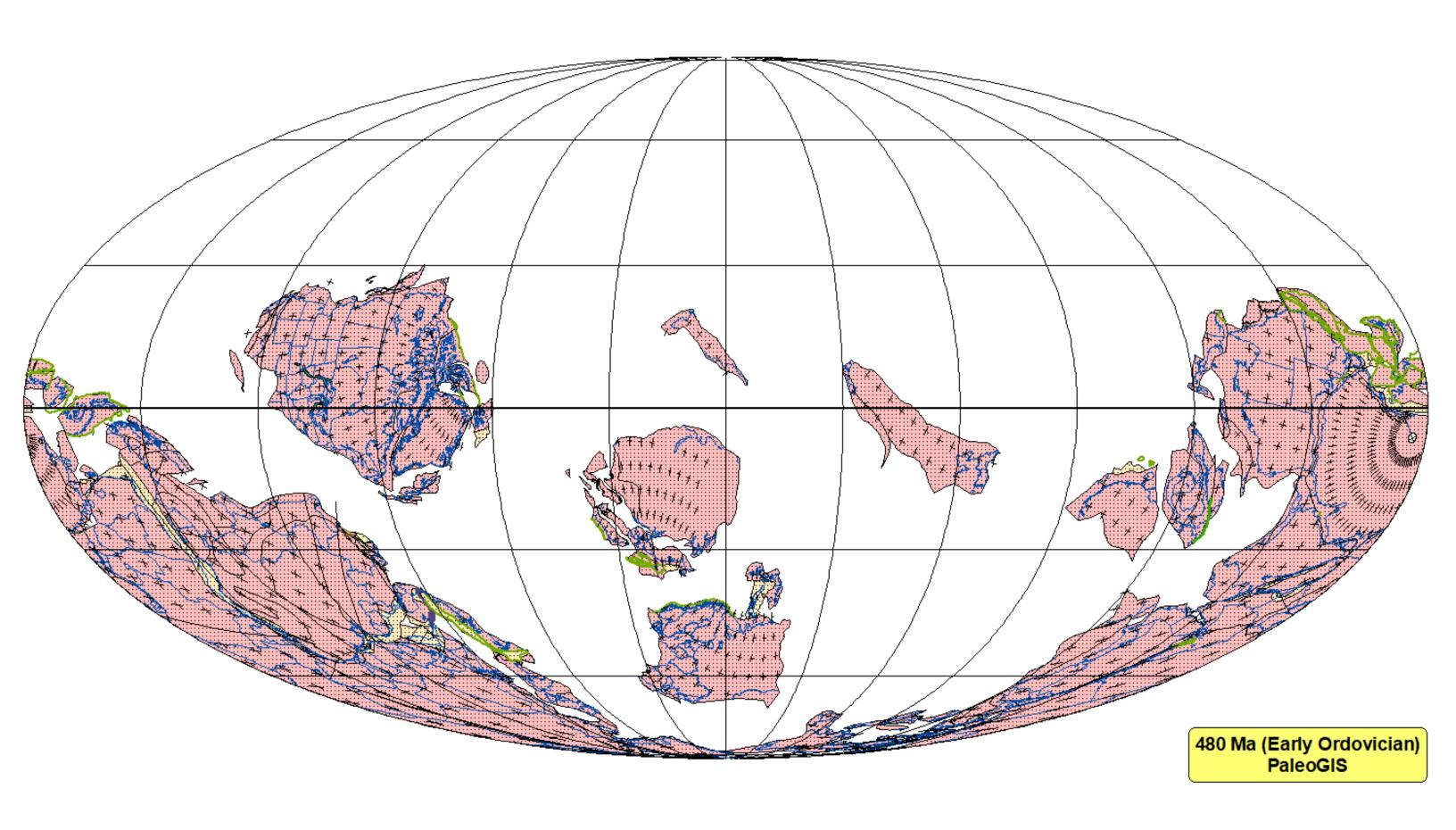
Project Manager: Marcy B. Davis

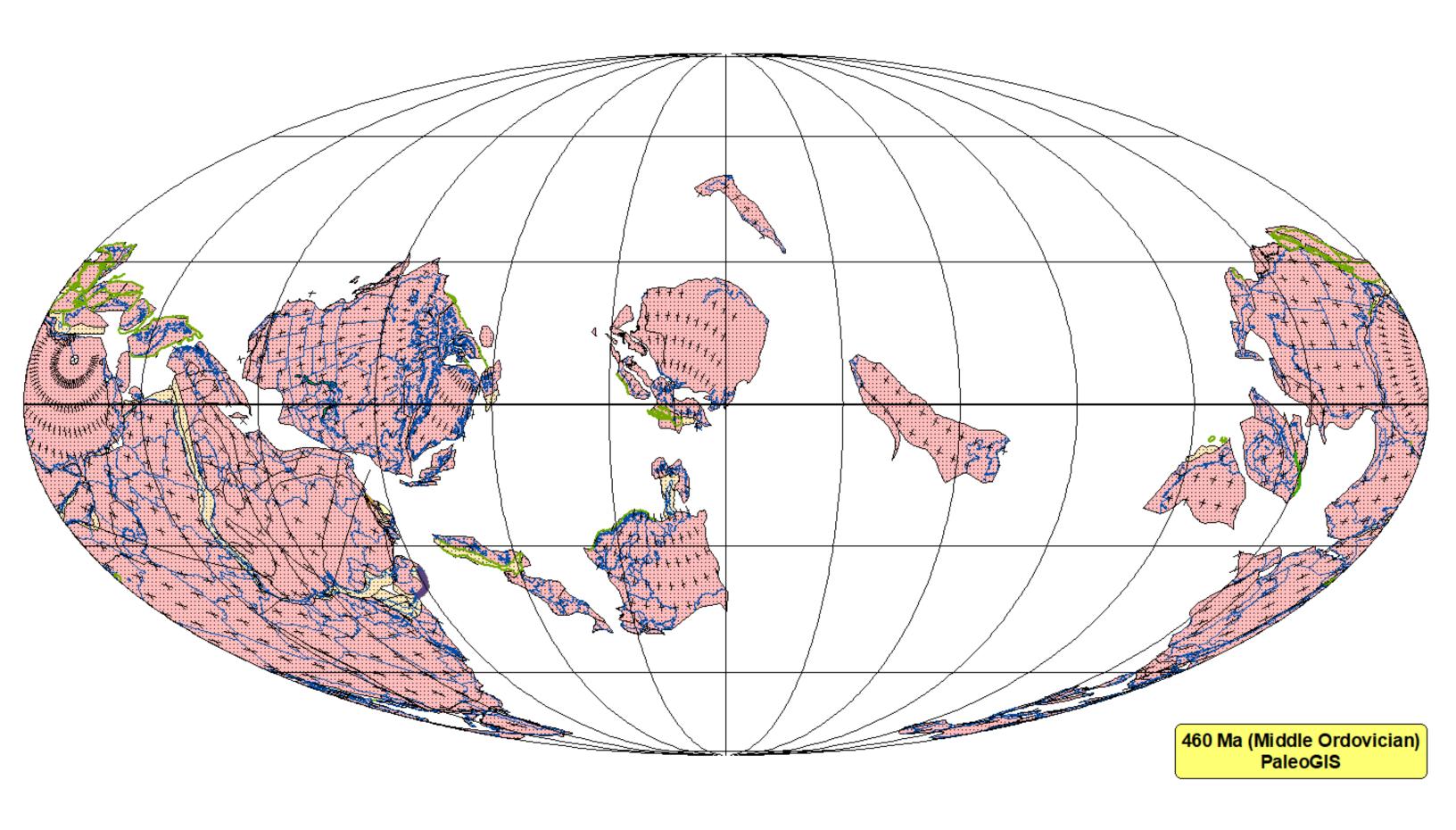
This atlas was made possible through the scientific contributions of many researchers, from UTIG and from other institutions. Their efforts are highly appreciated by the members of the **PLATES** research team.

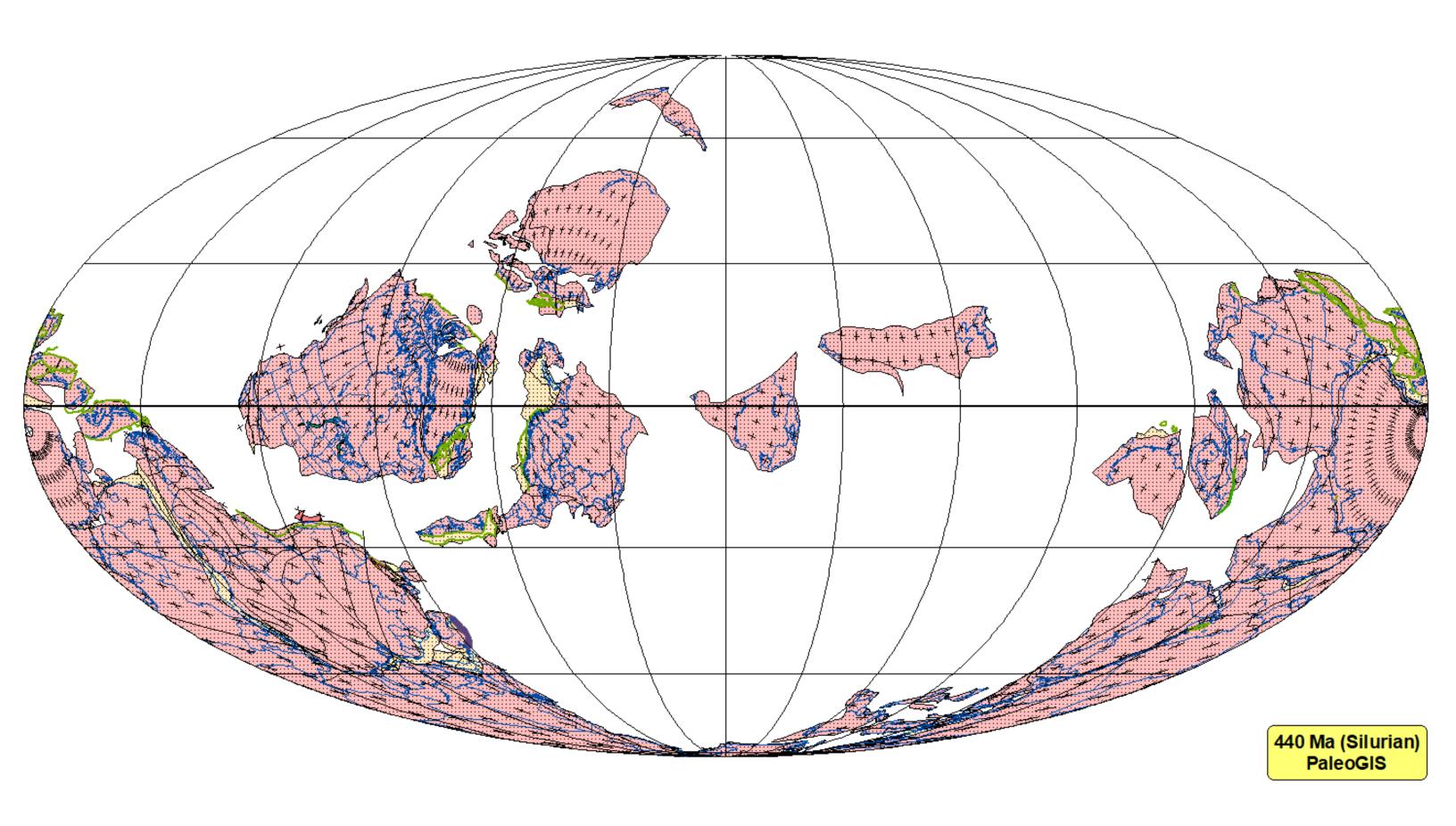
The atlas was created using the PaleoGIS (paleogis.com) for ArcGIS plate reconstruction software by The Rothwell Group, L.P., and the GPlates (<a href="http://www.gplates.org">http://www.gplates.org</a>) plate reconstruction software.

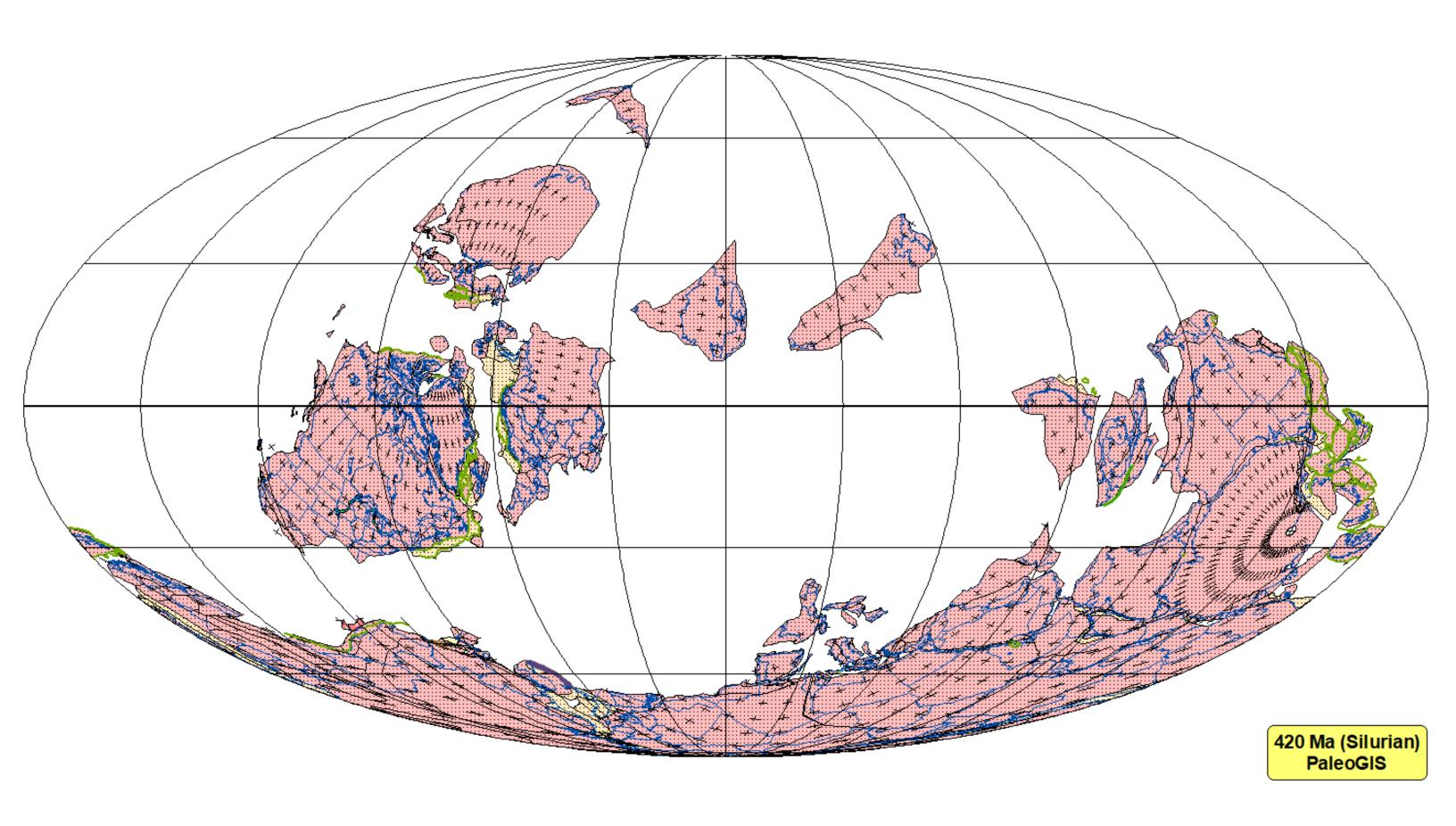
This atlas should be referenced as follows: Lawver, L.A., Norton, I.O., Dalziel, I.W.D., Davis, M.D., 2020, The **PLATES** 2020 Atlas of Plate Reconstructions (500 Ma to Present Day), **PLATES** Progress Report No. 396-1220, University of Texas Institute for Geophysics Technical Report No. 238, 29p.

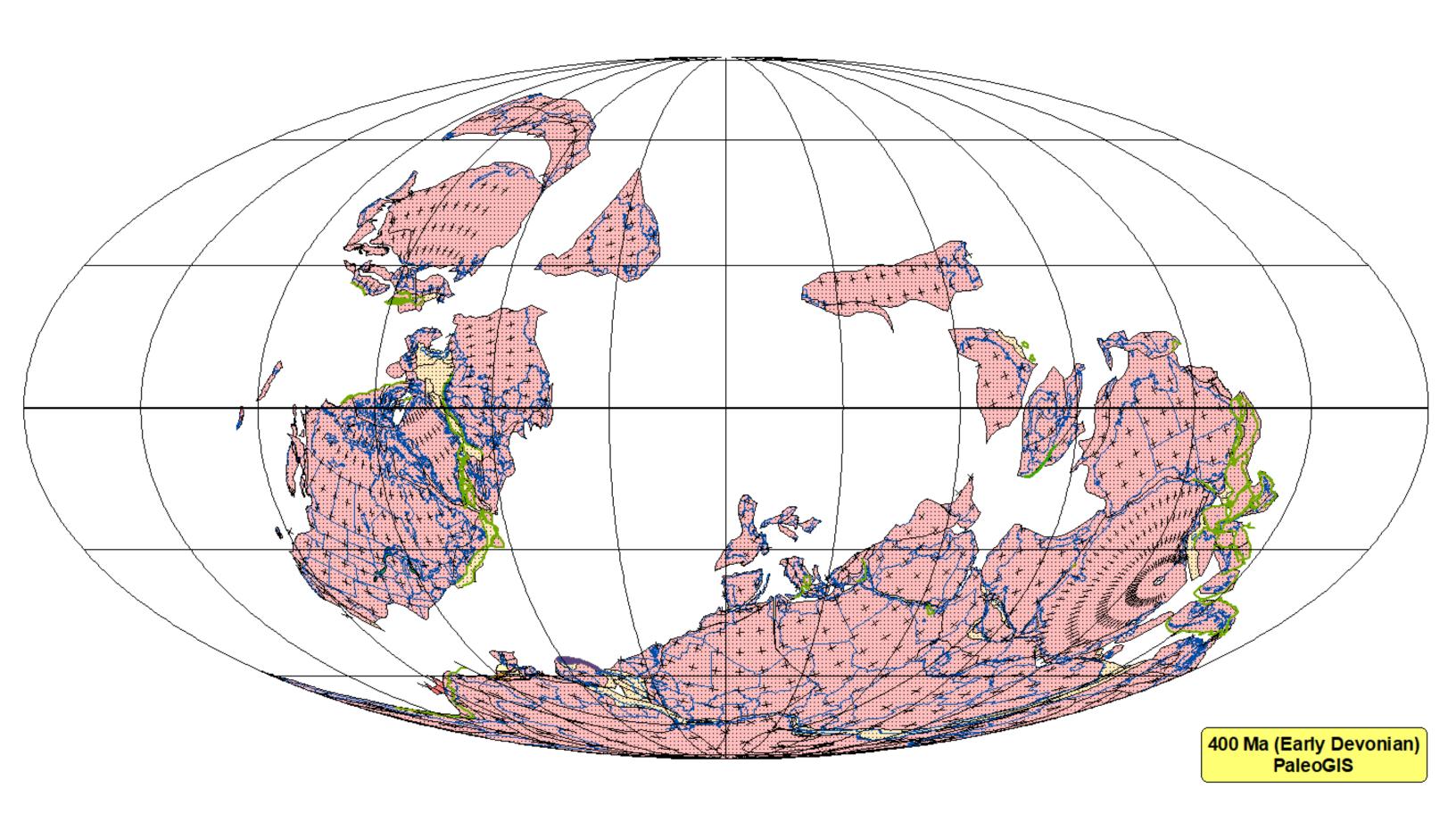


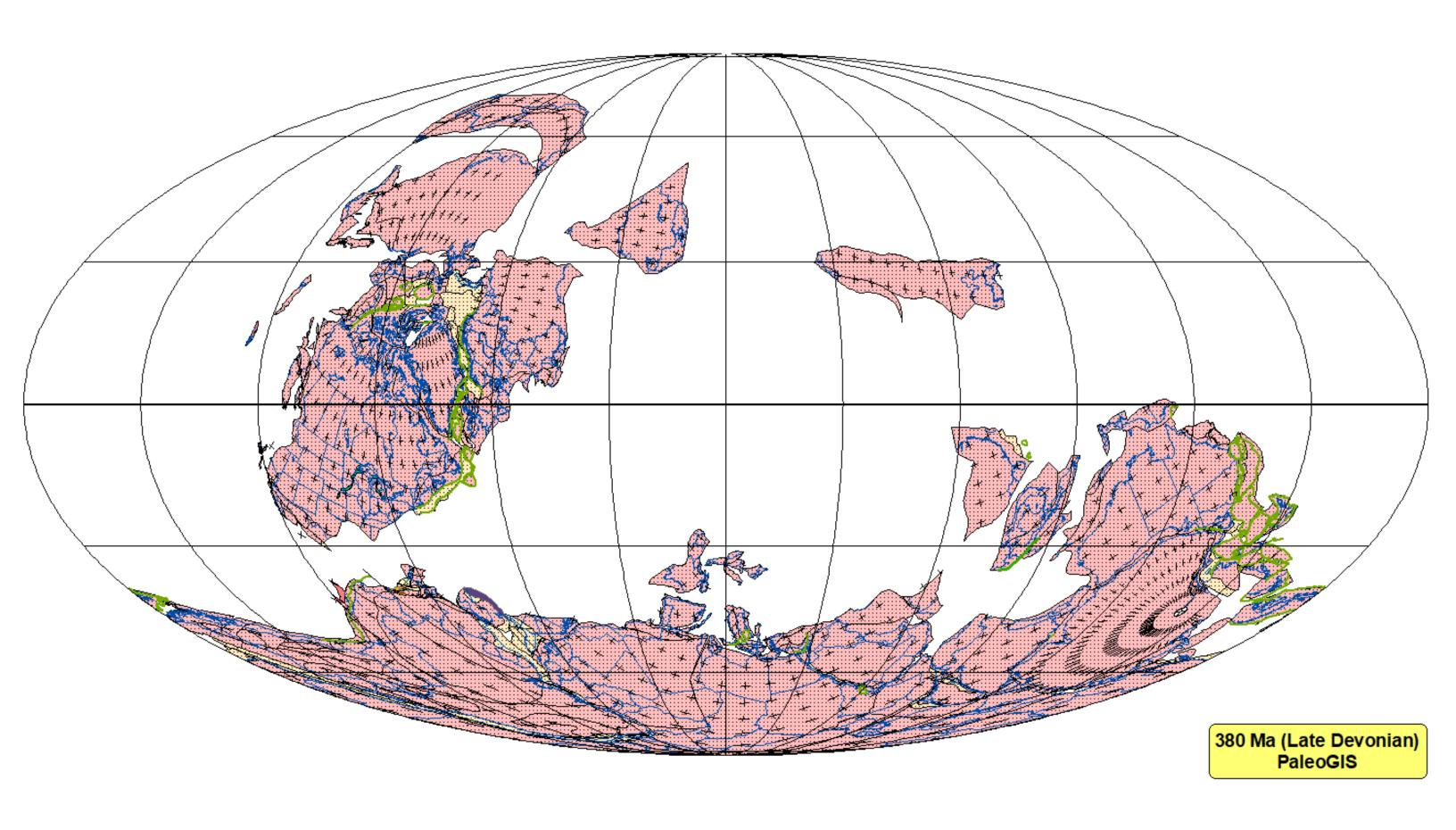


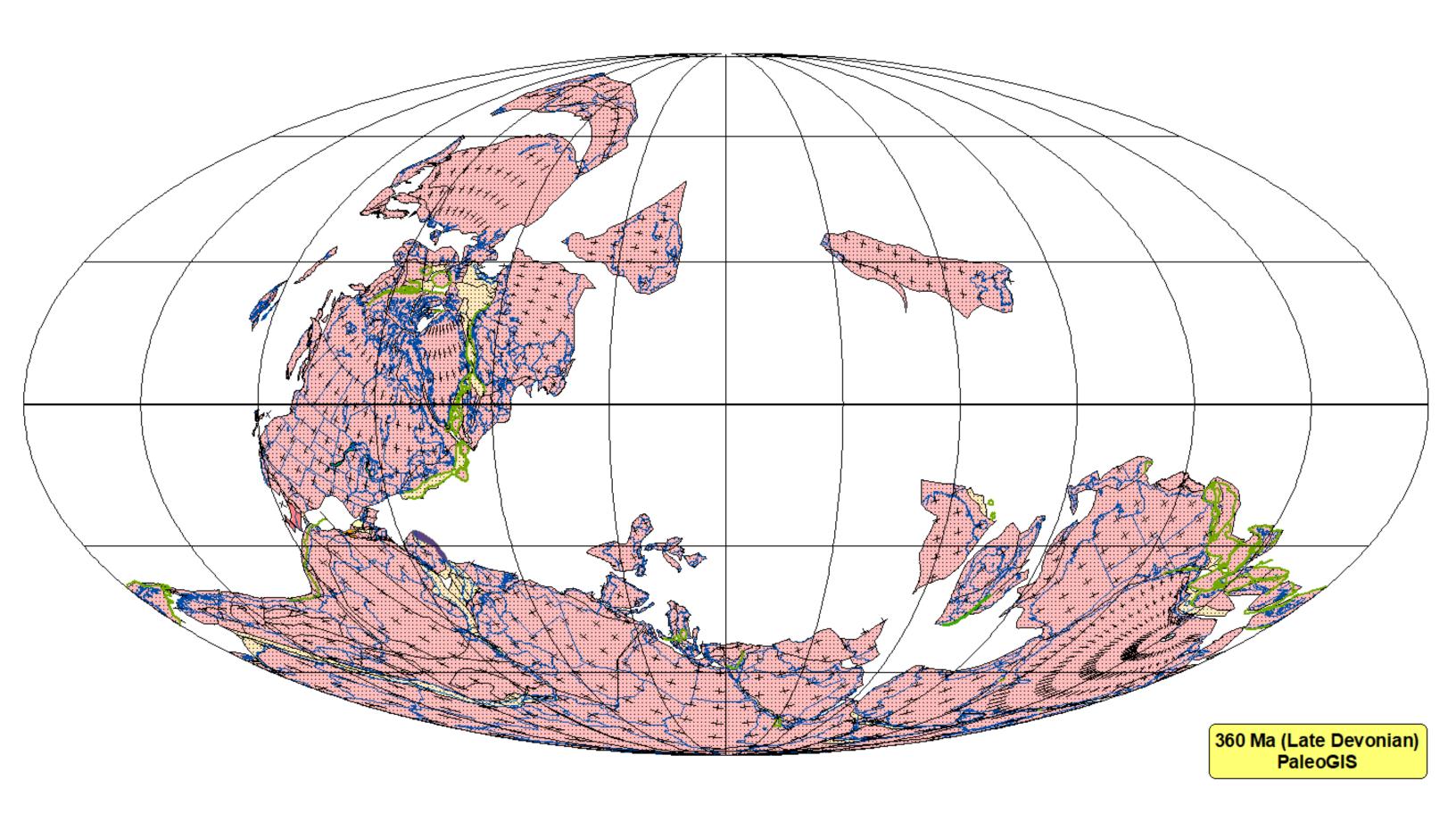


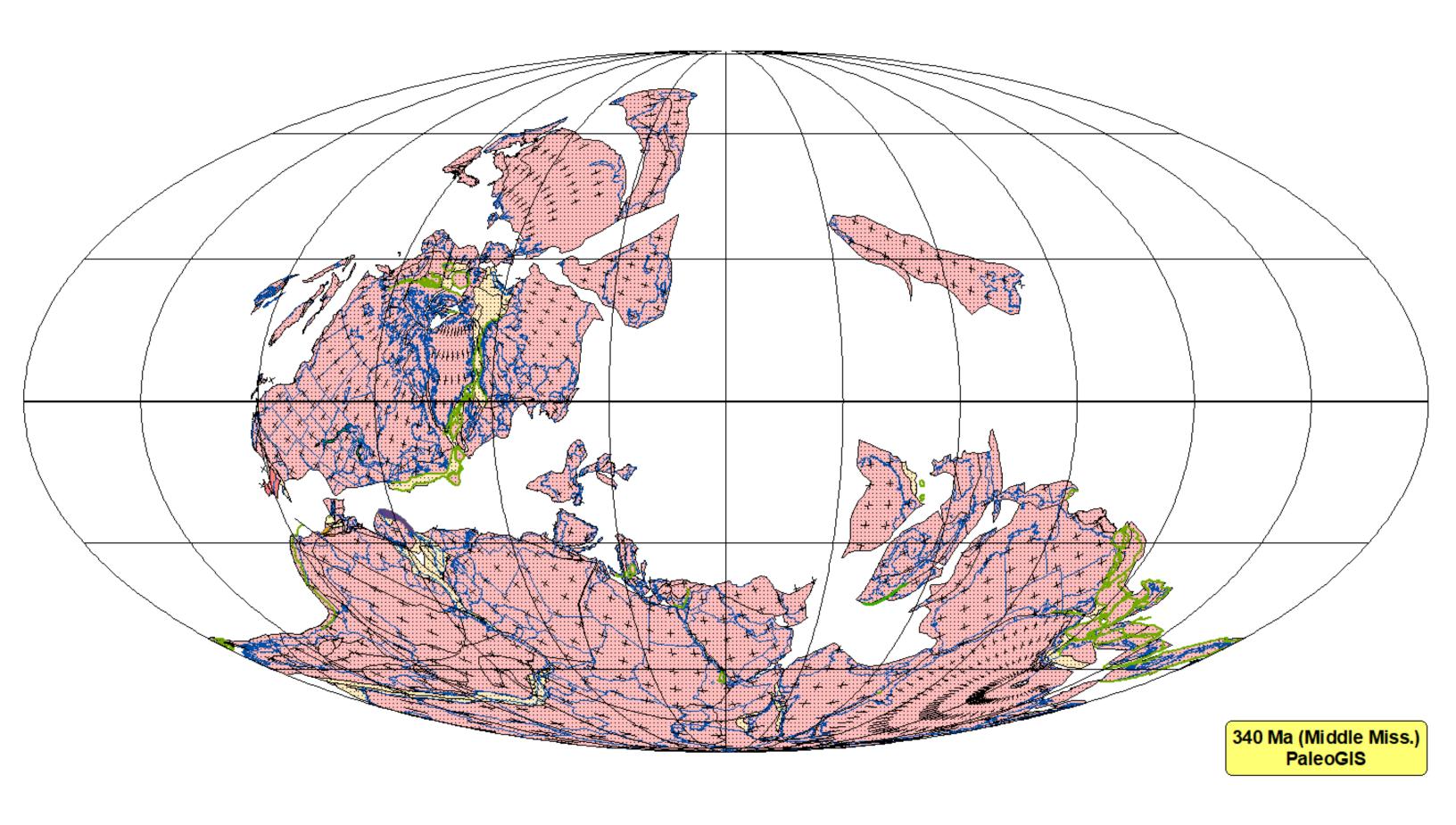


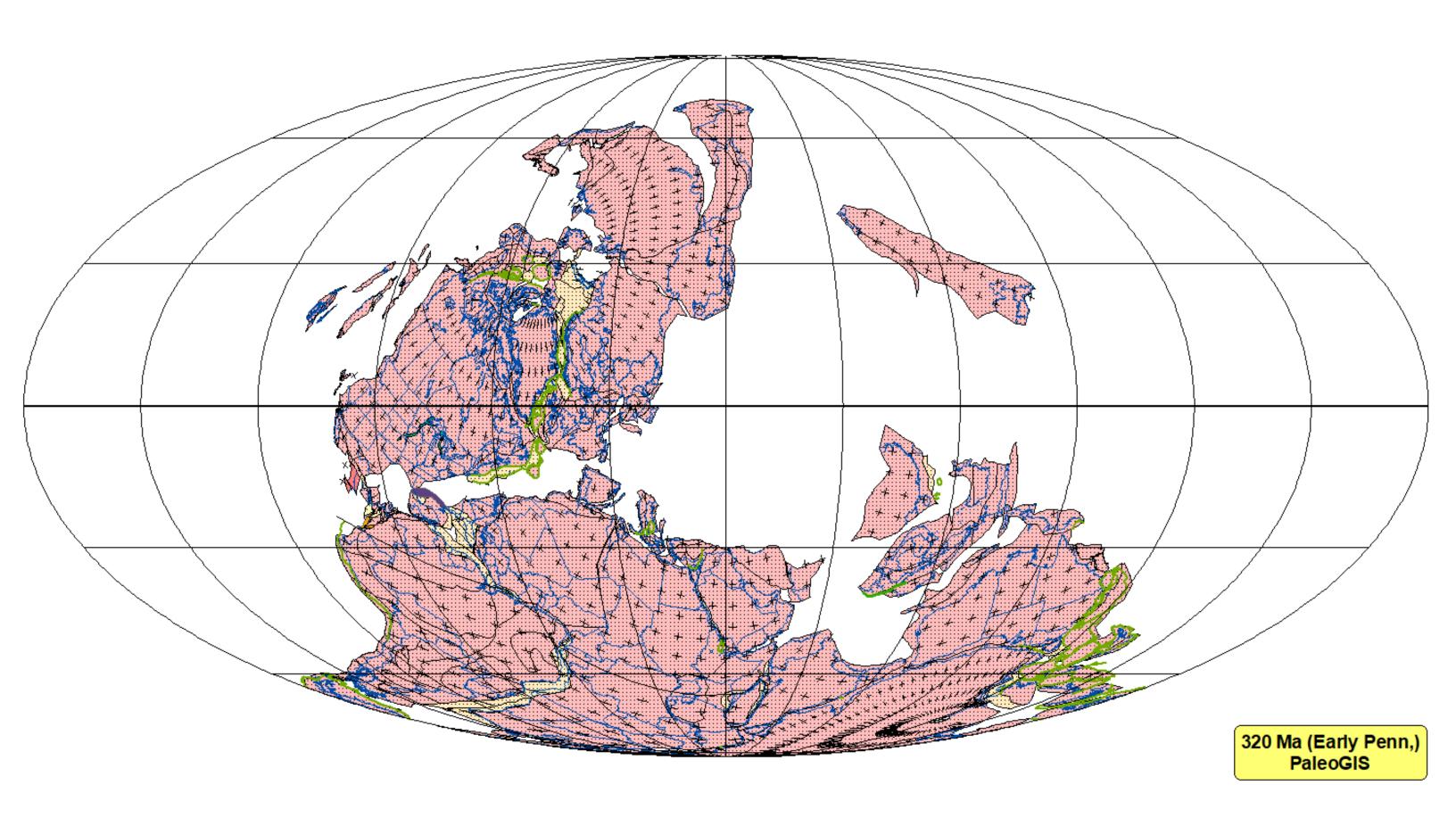


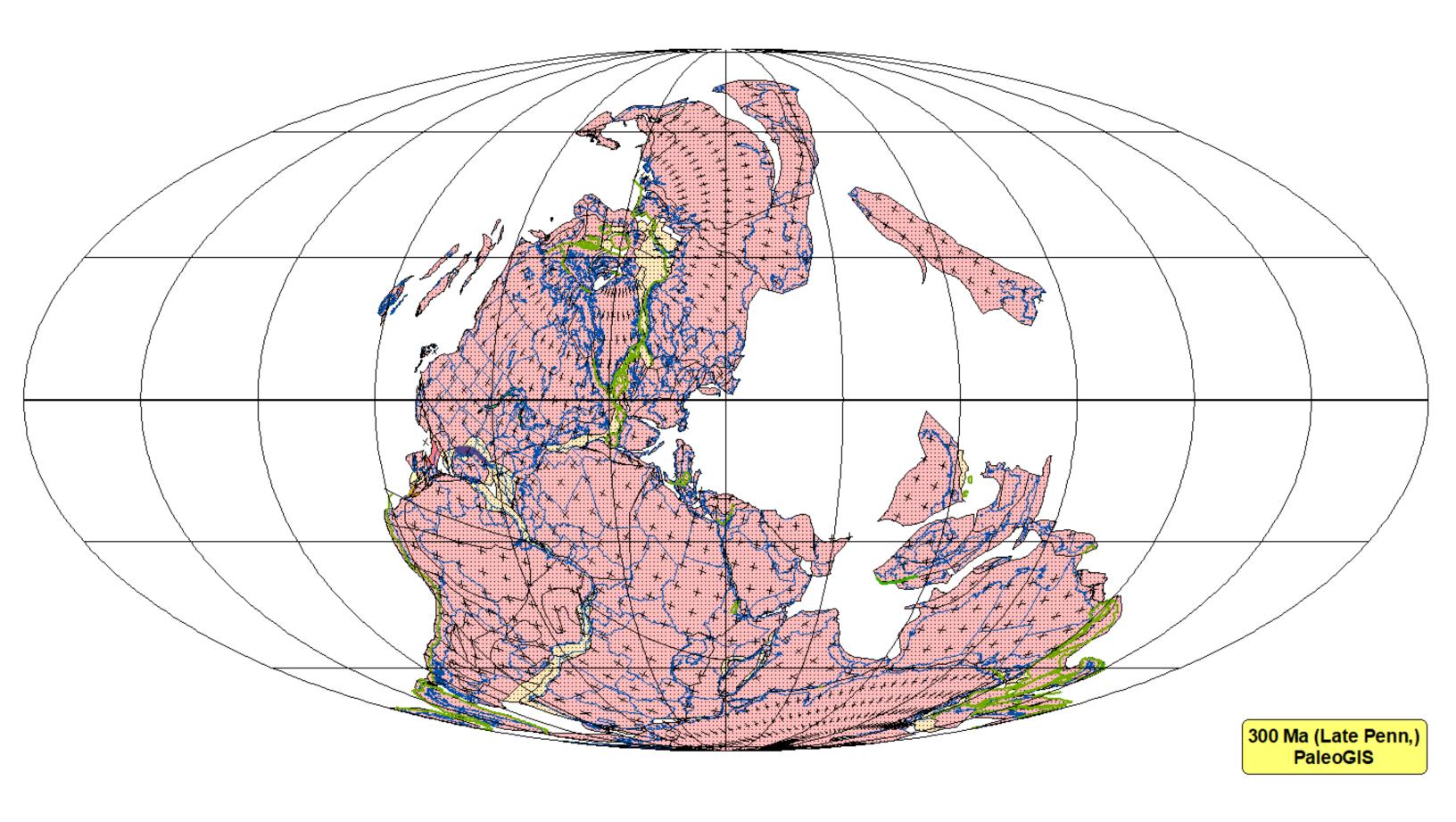


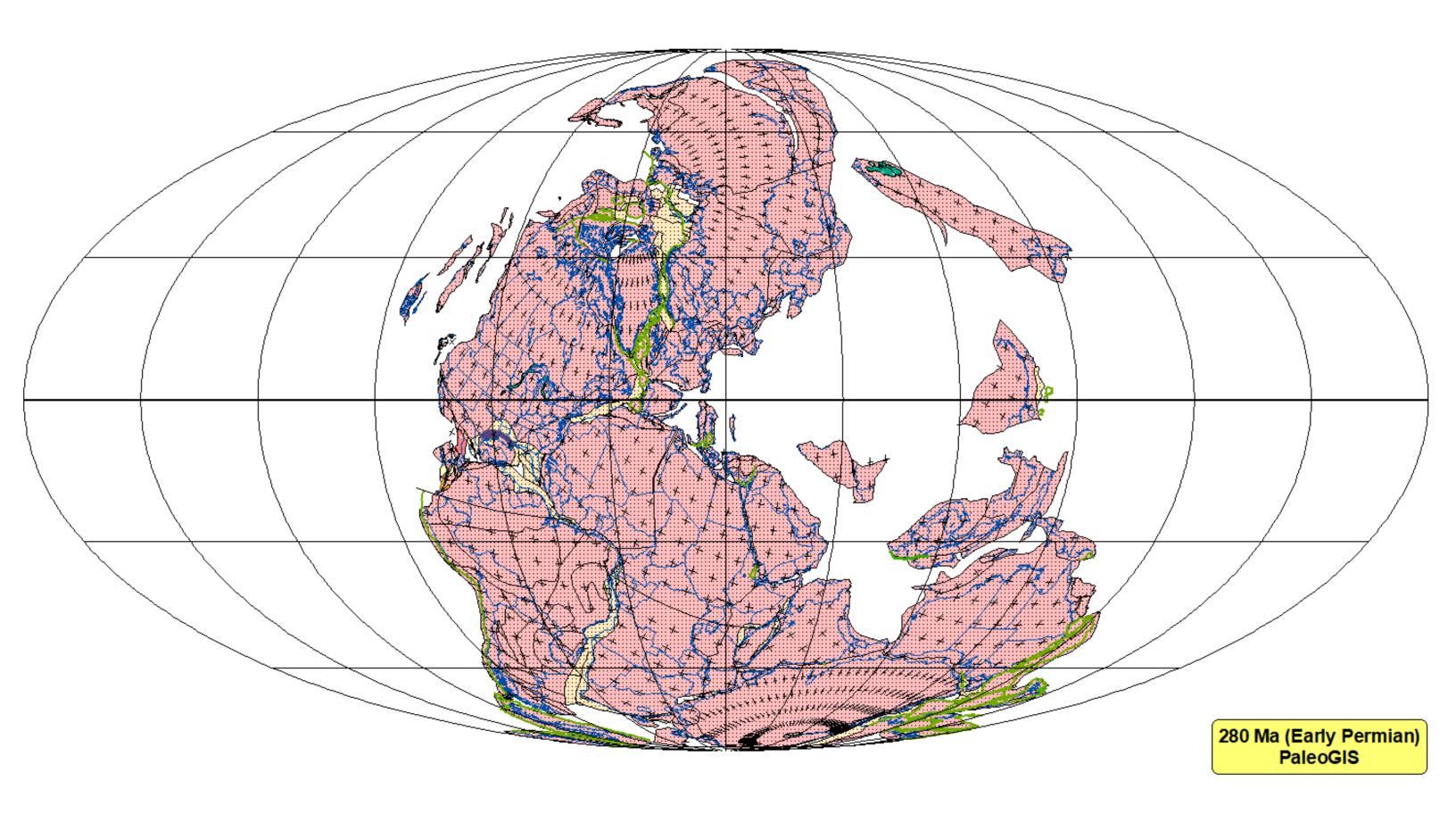


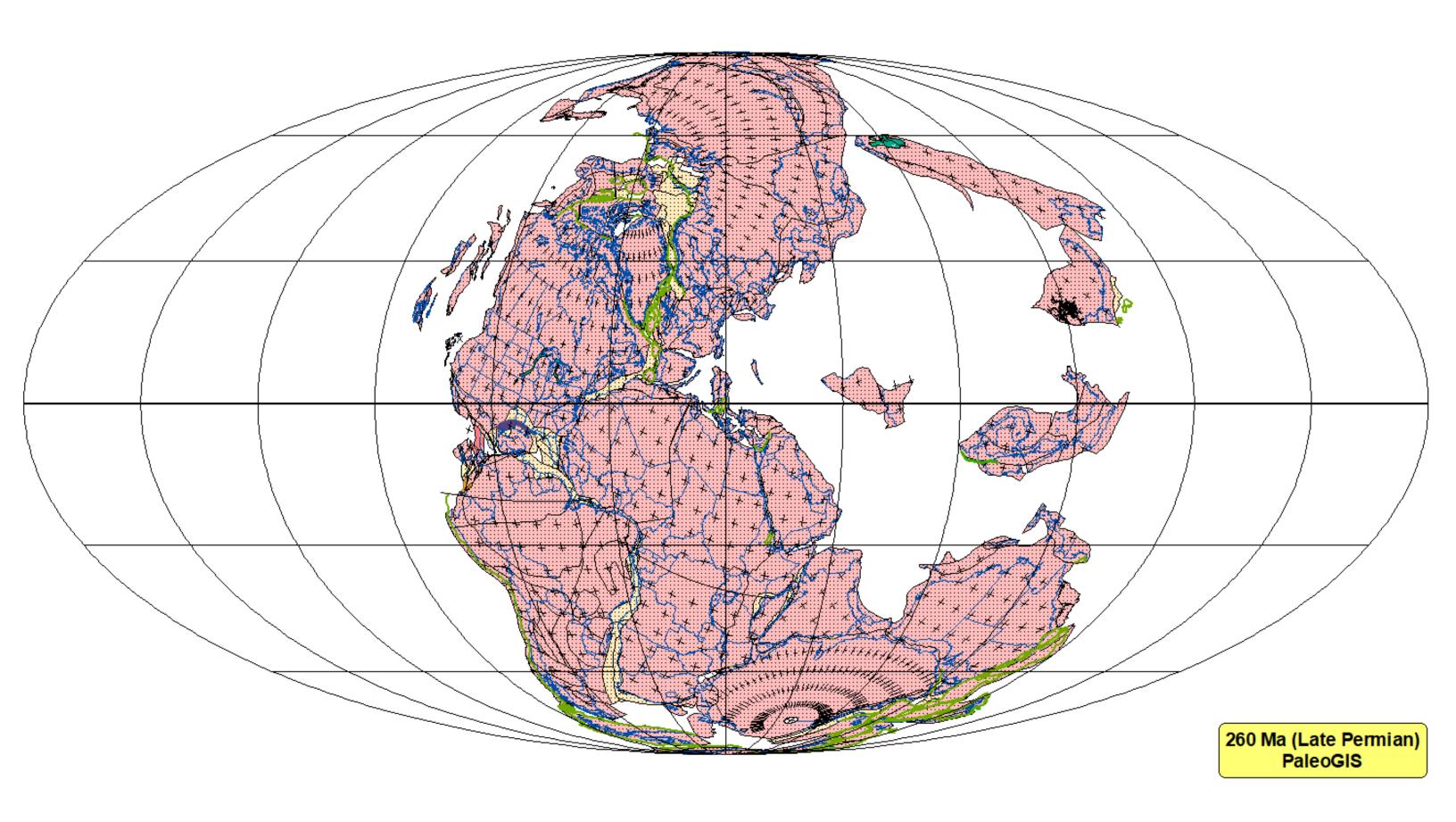


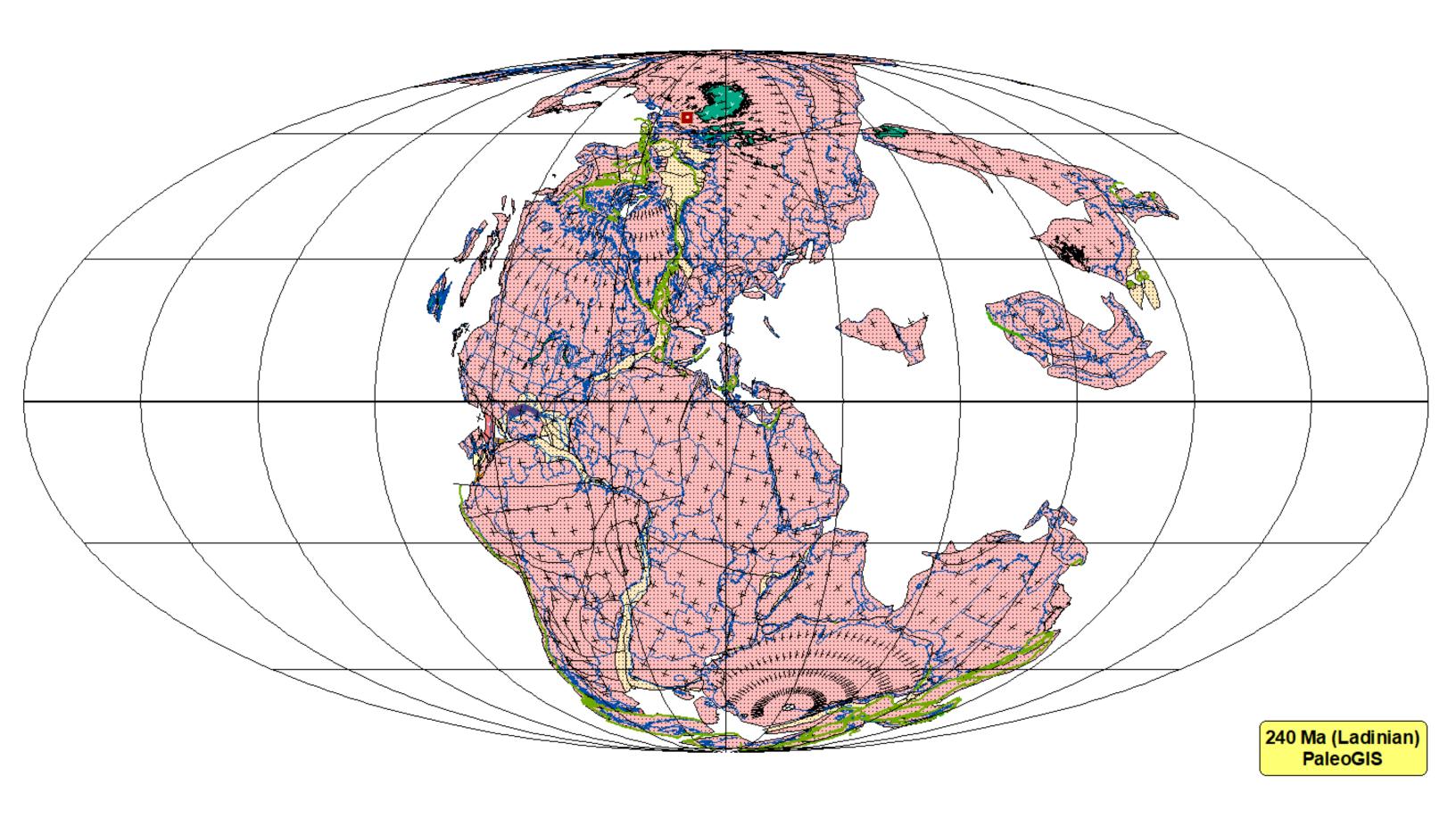


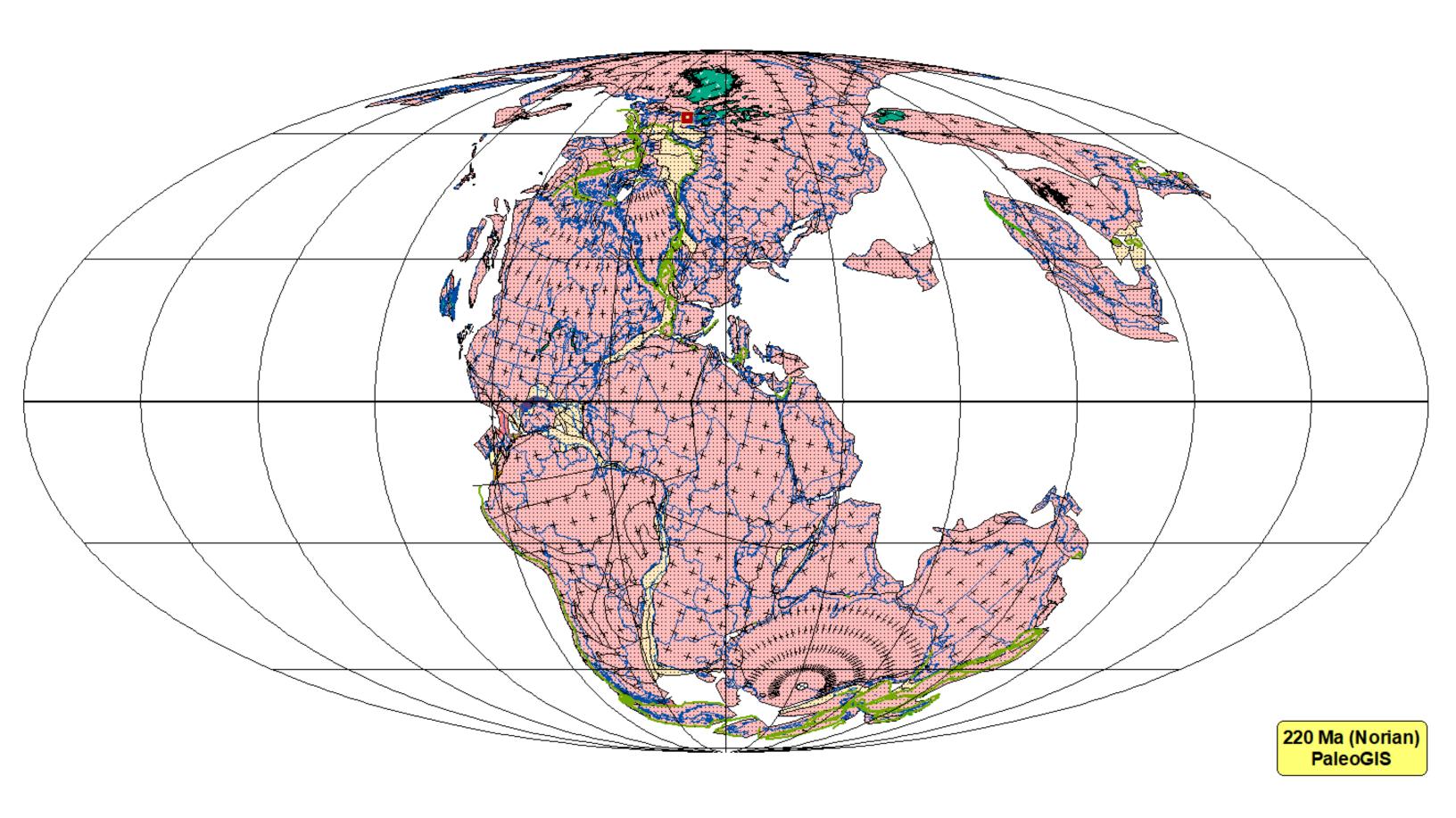


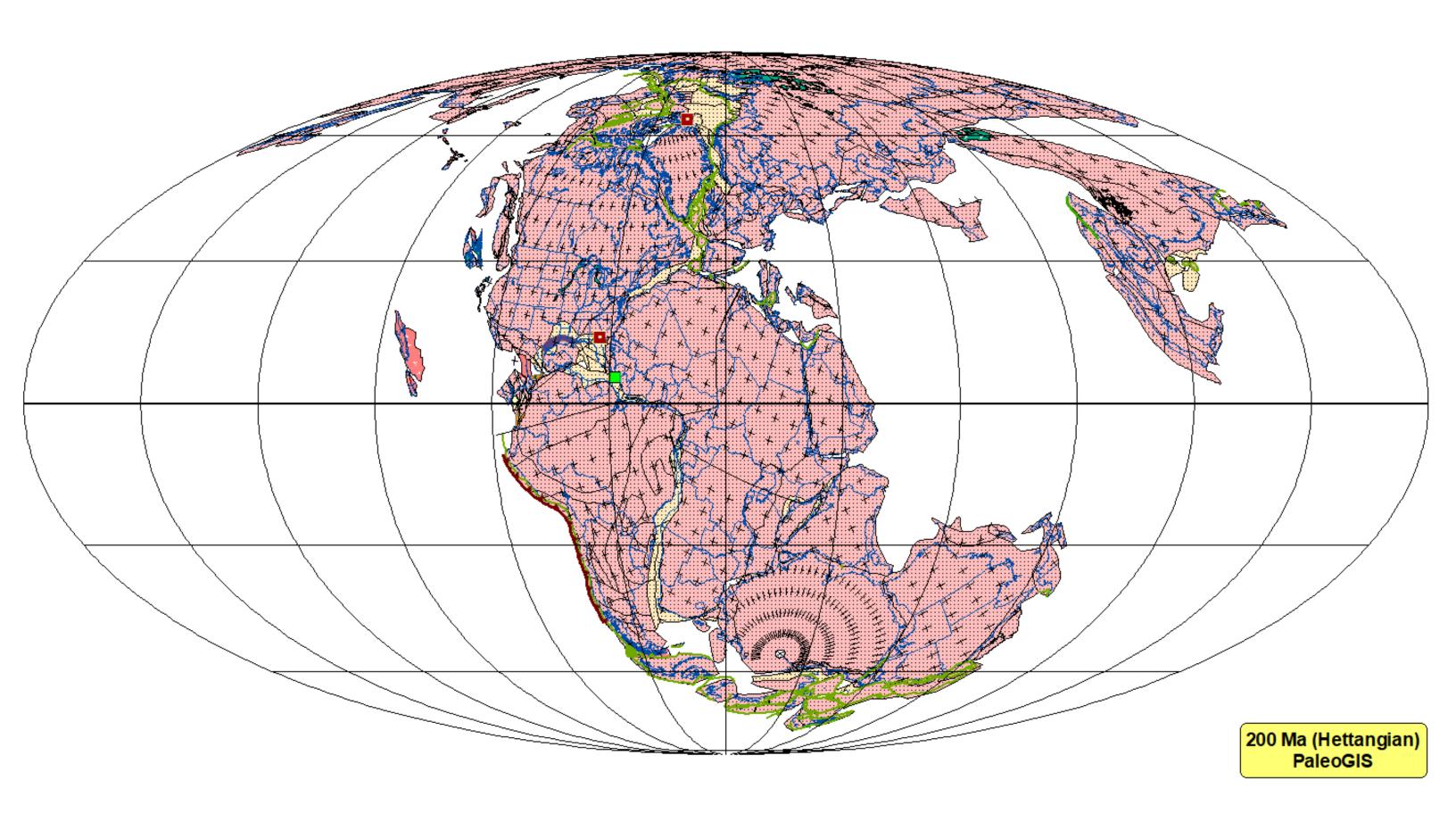


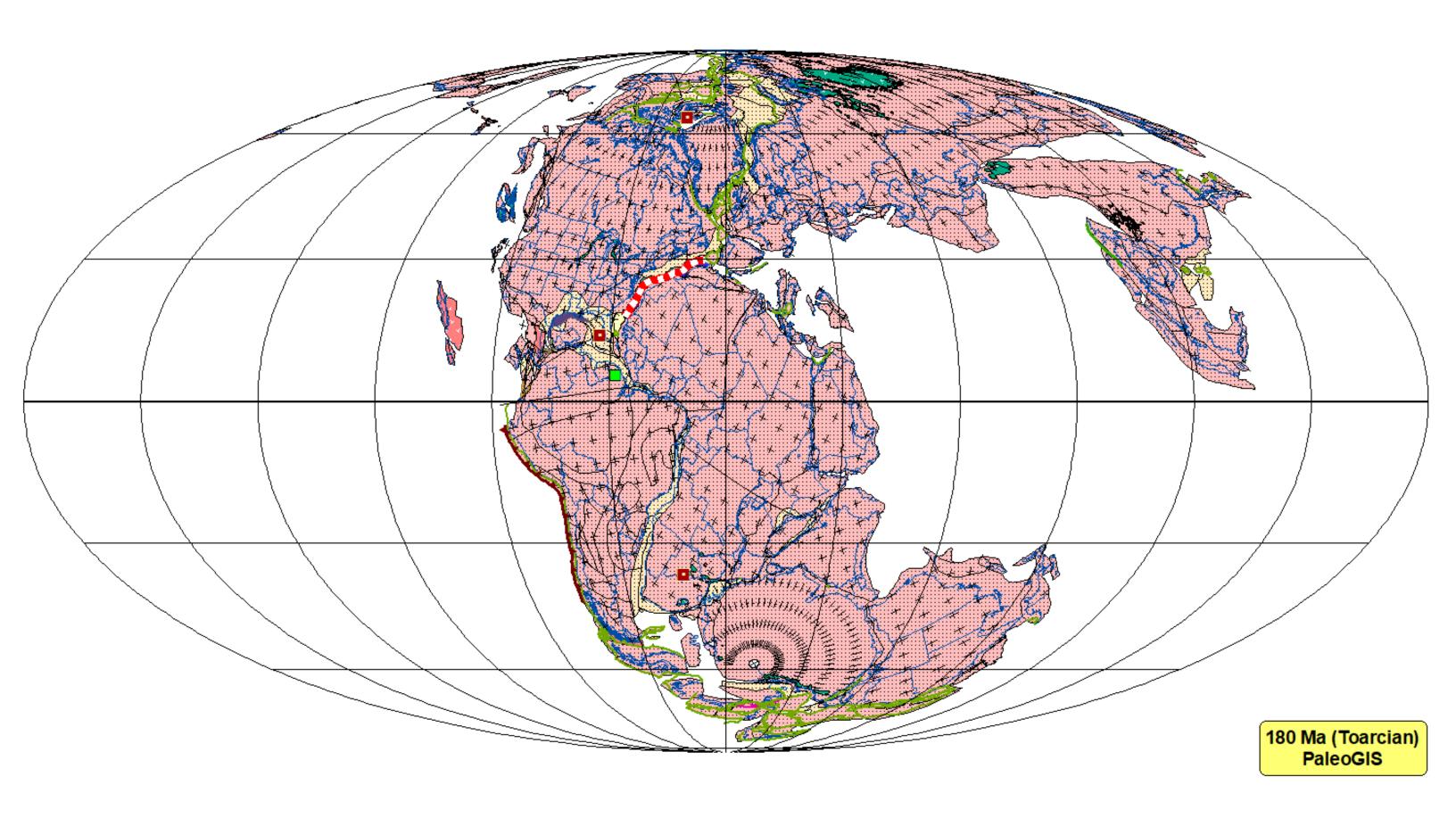


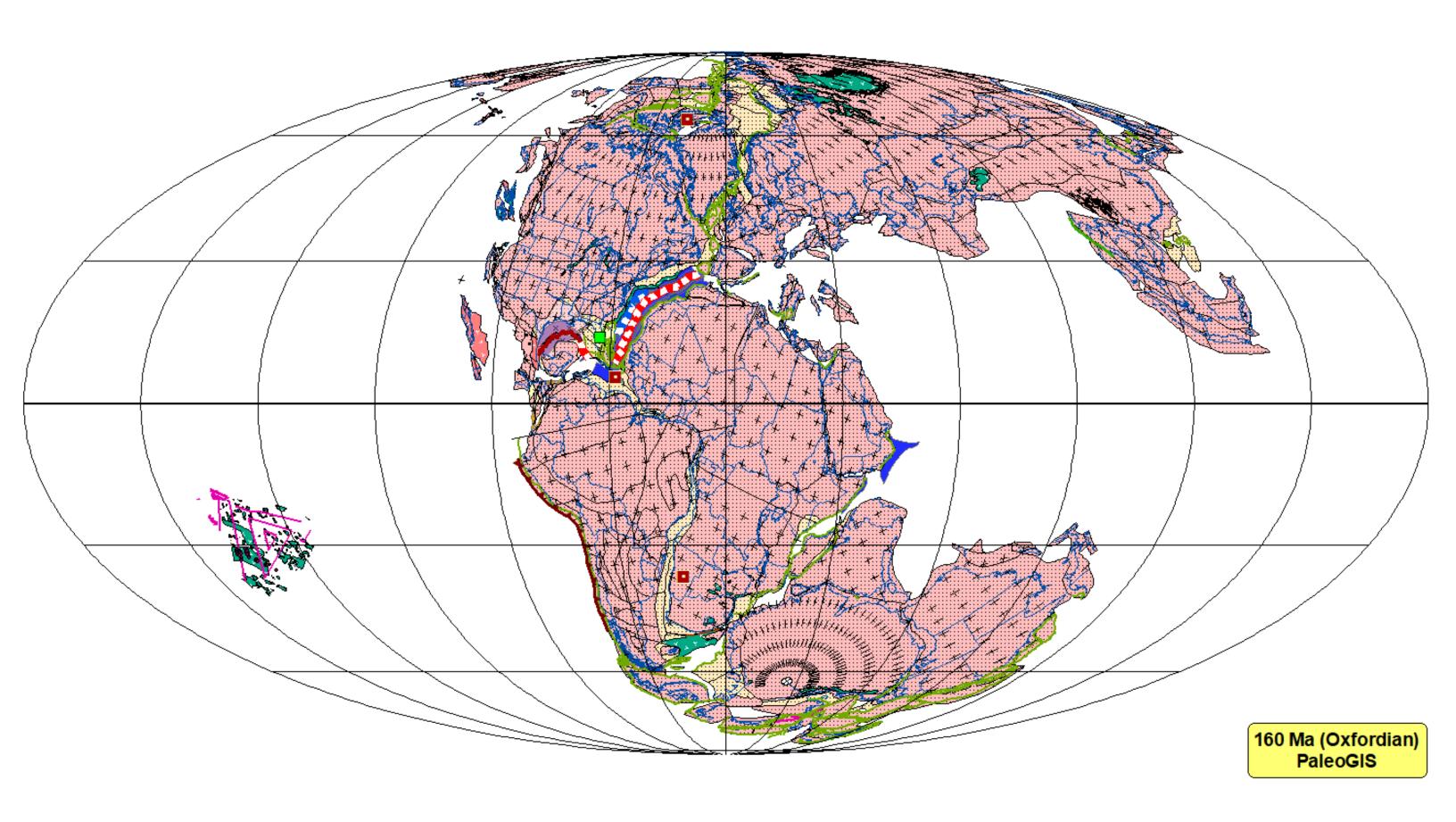


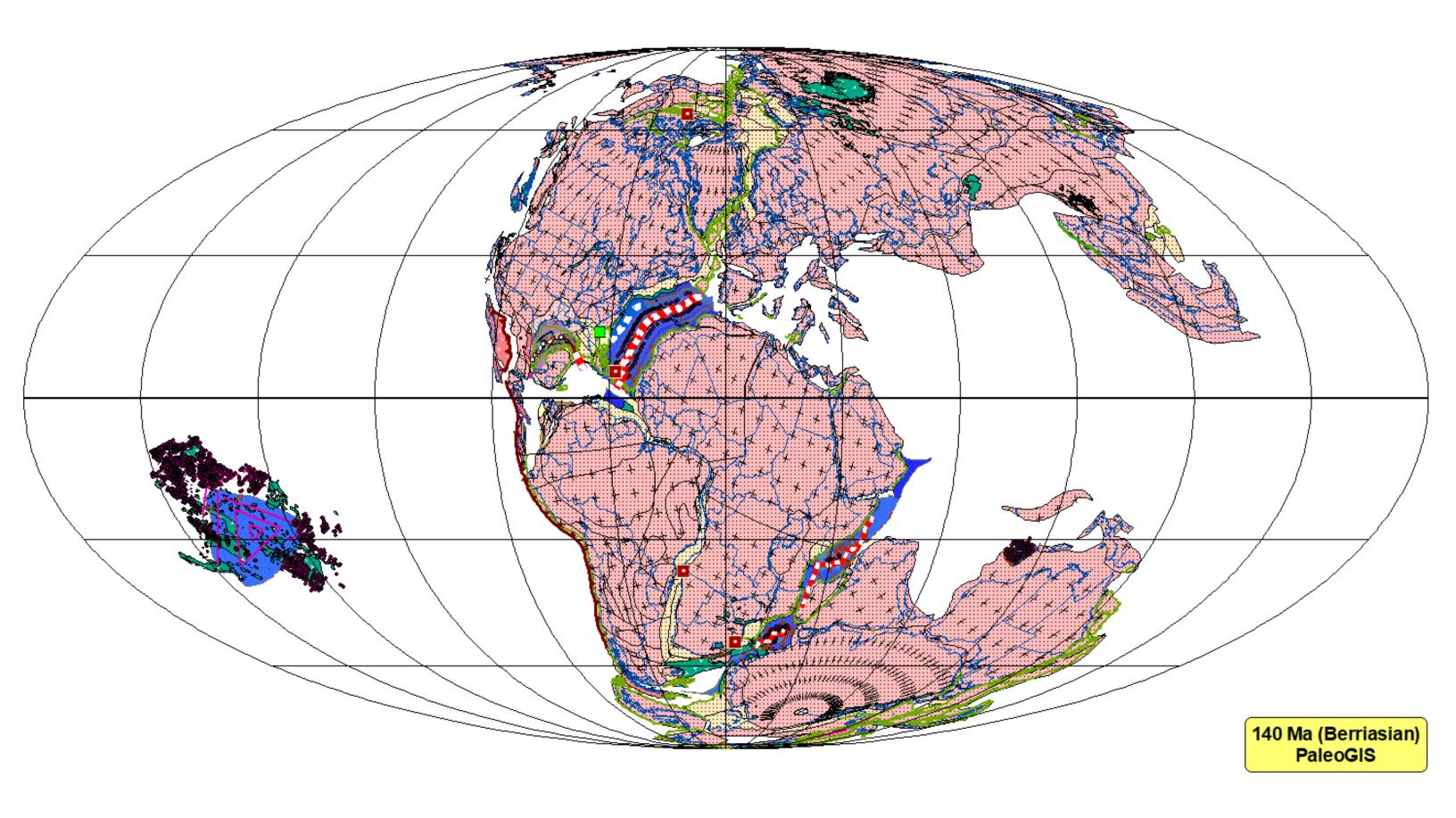


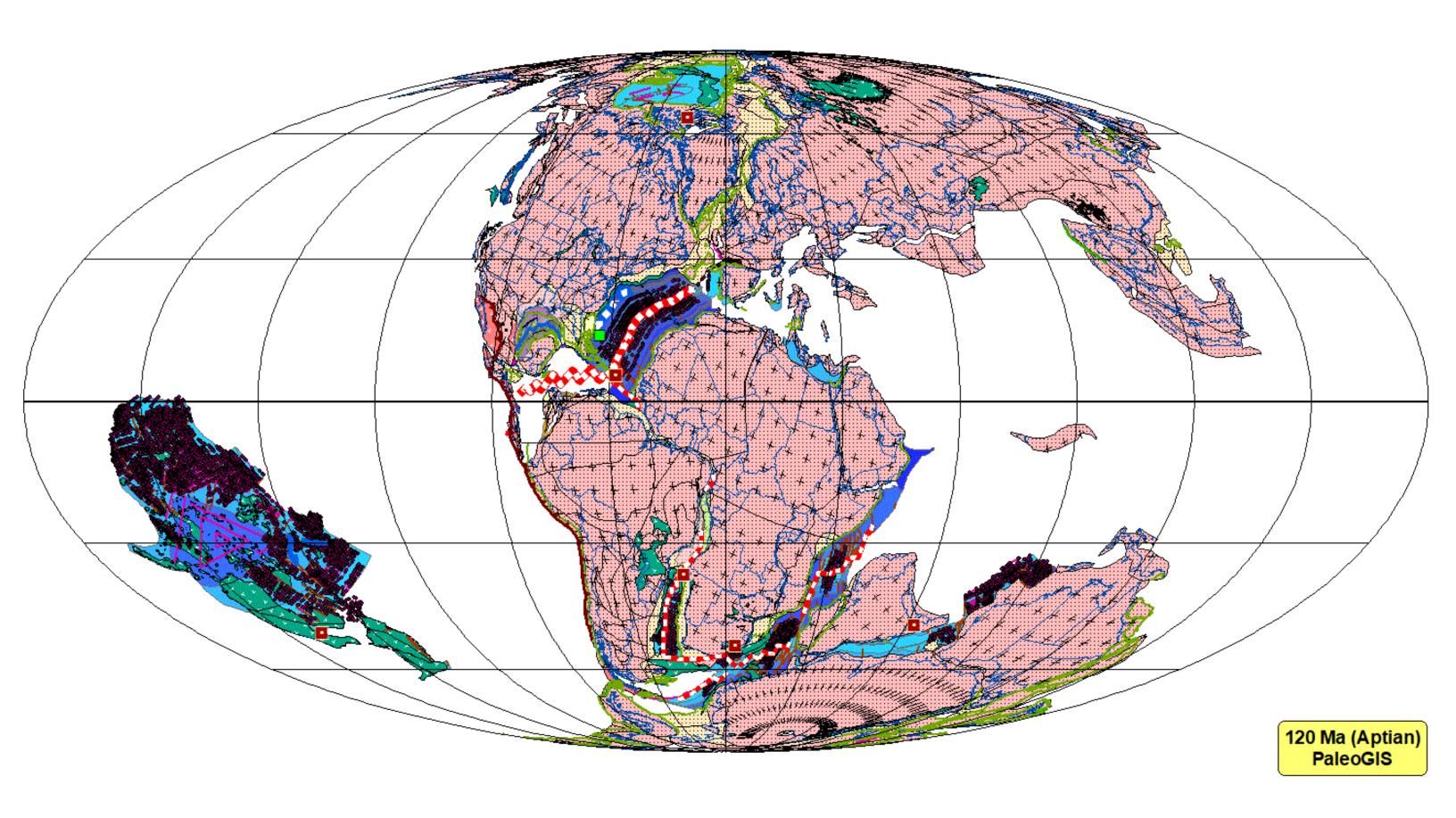


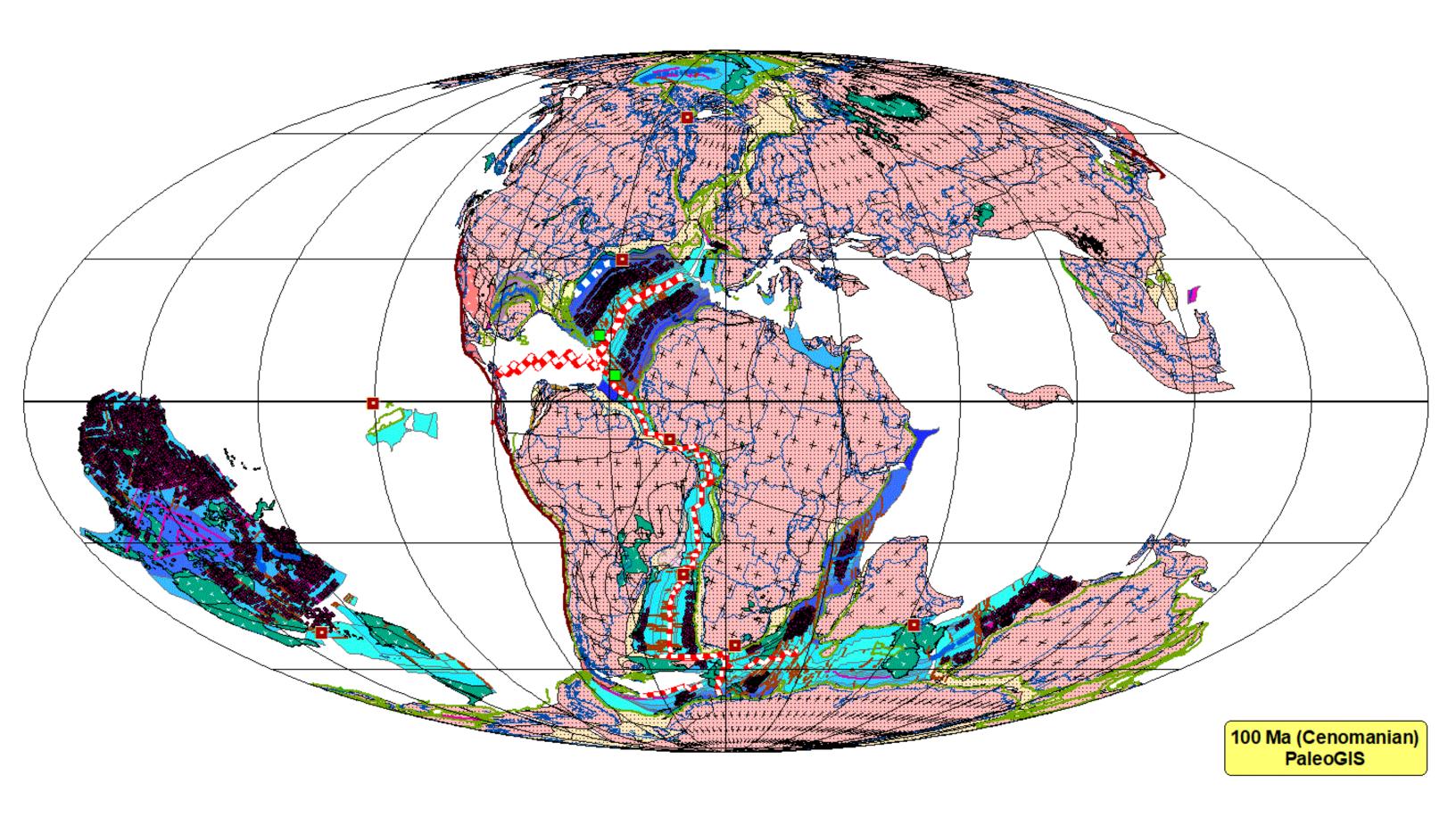


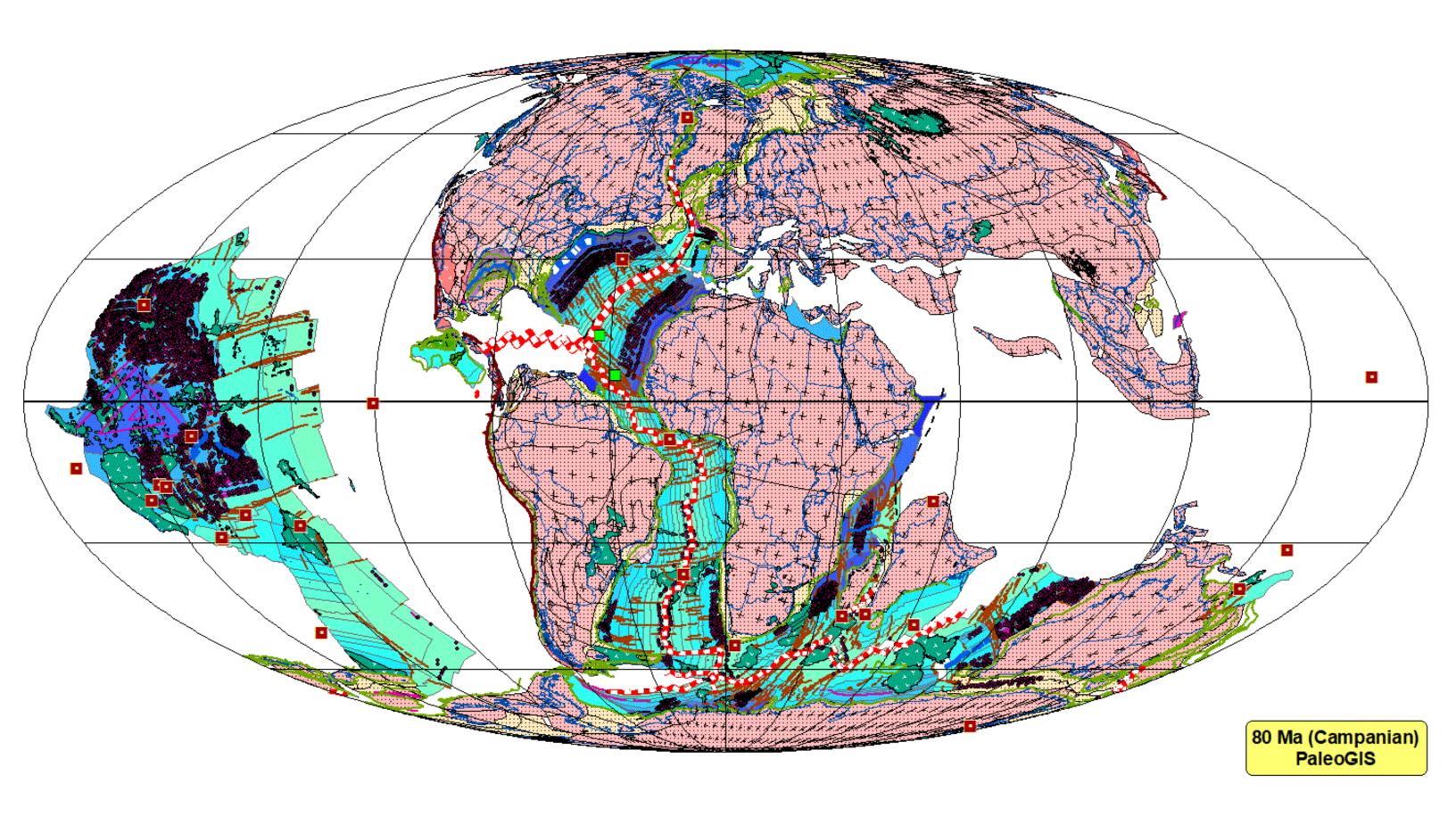


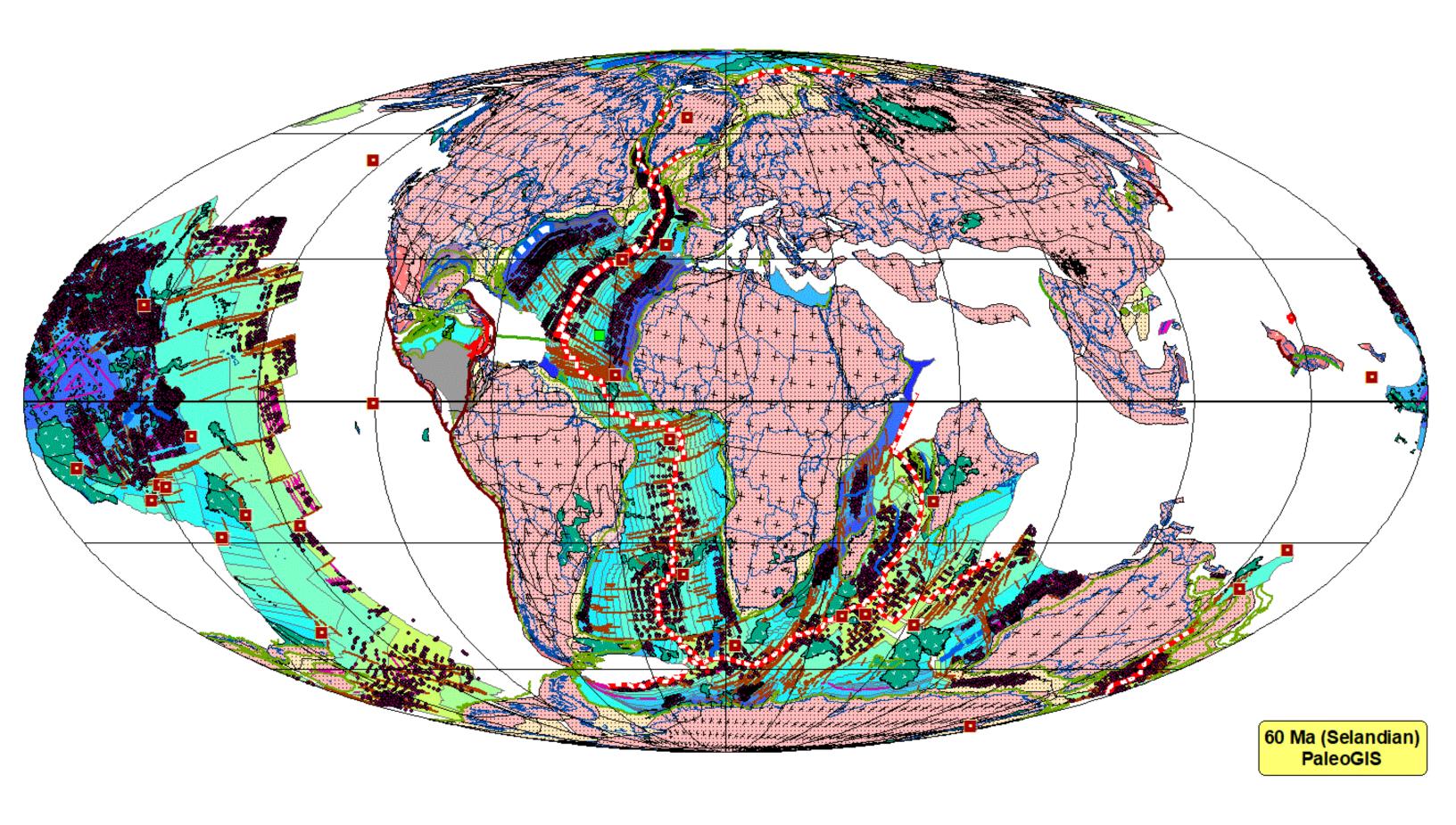


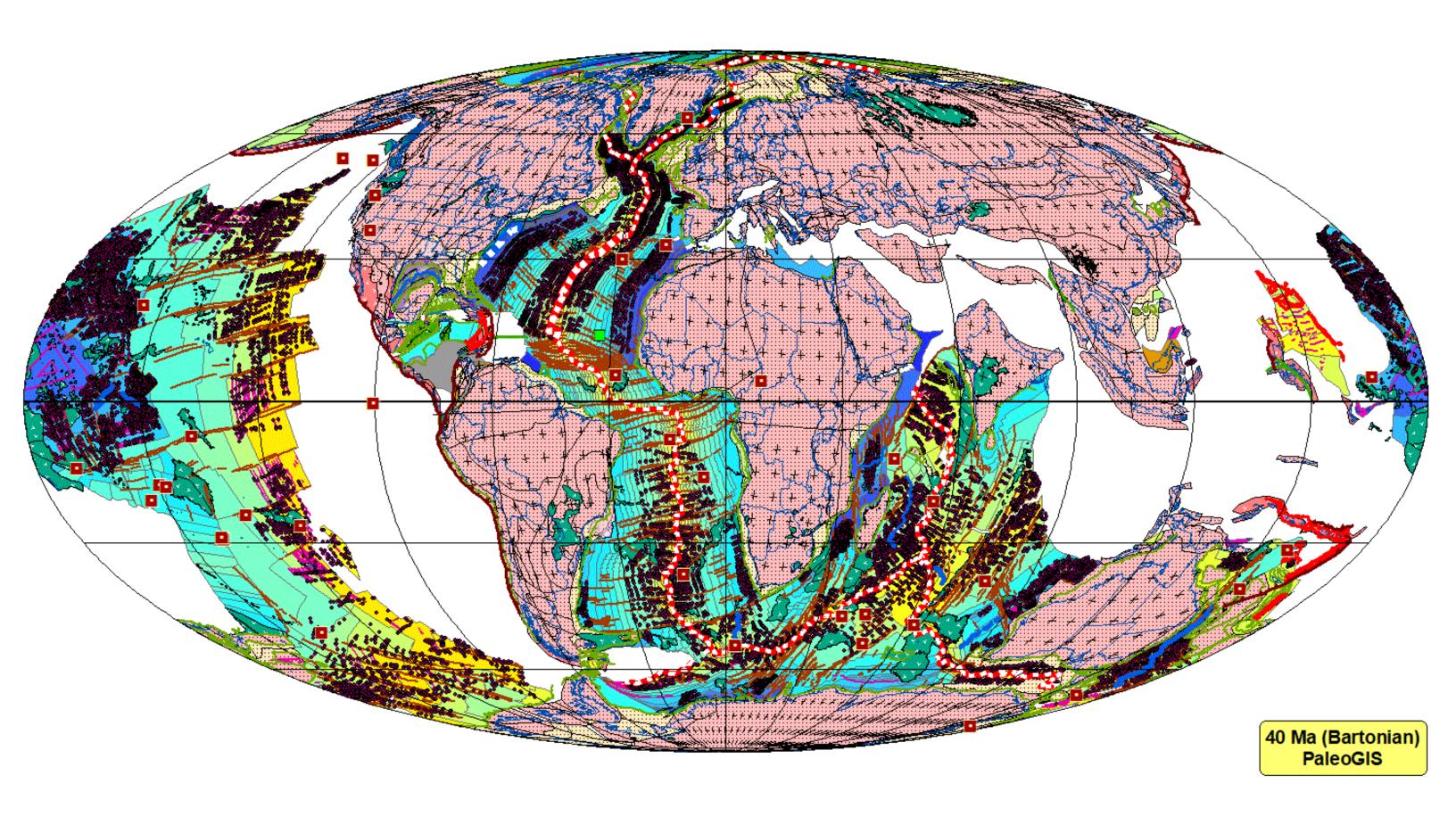


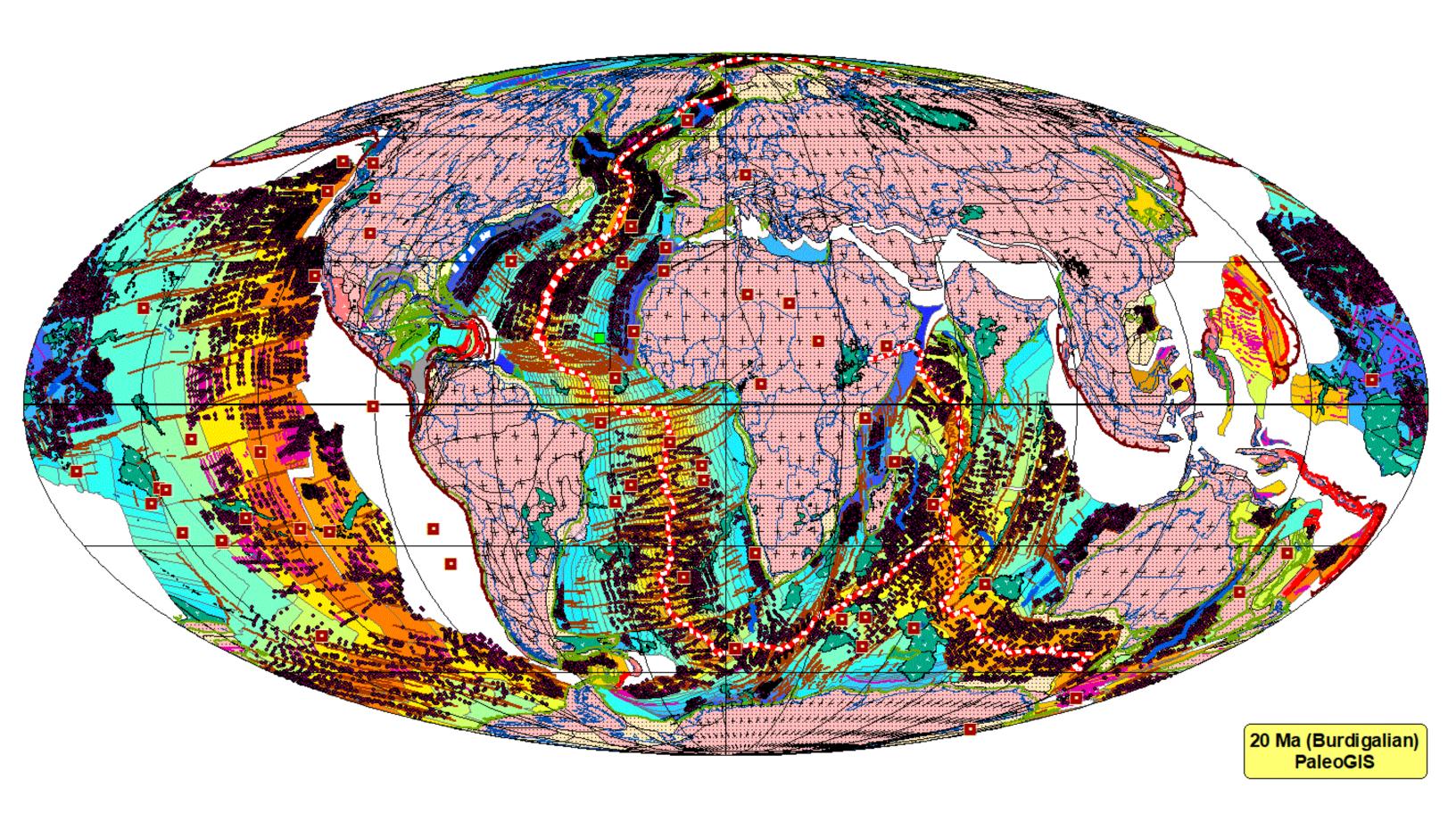


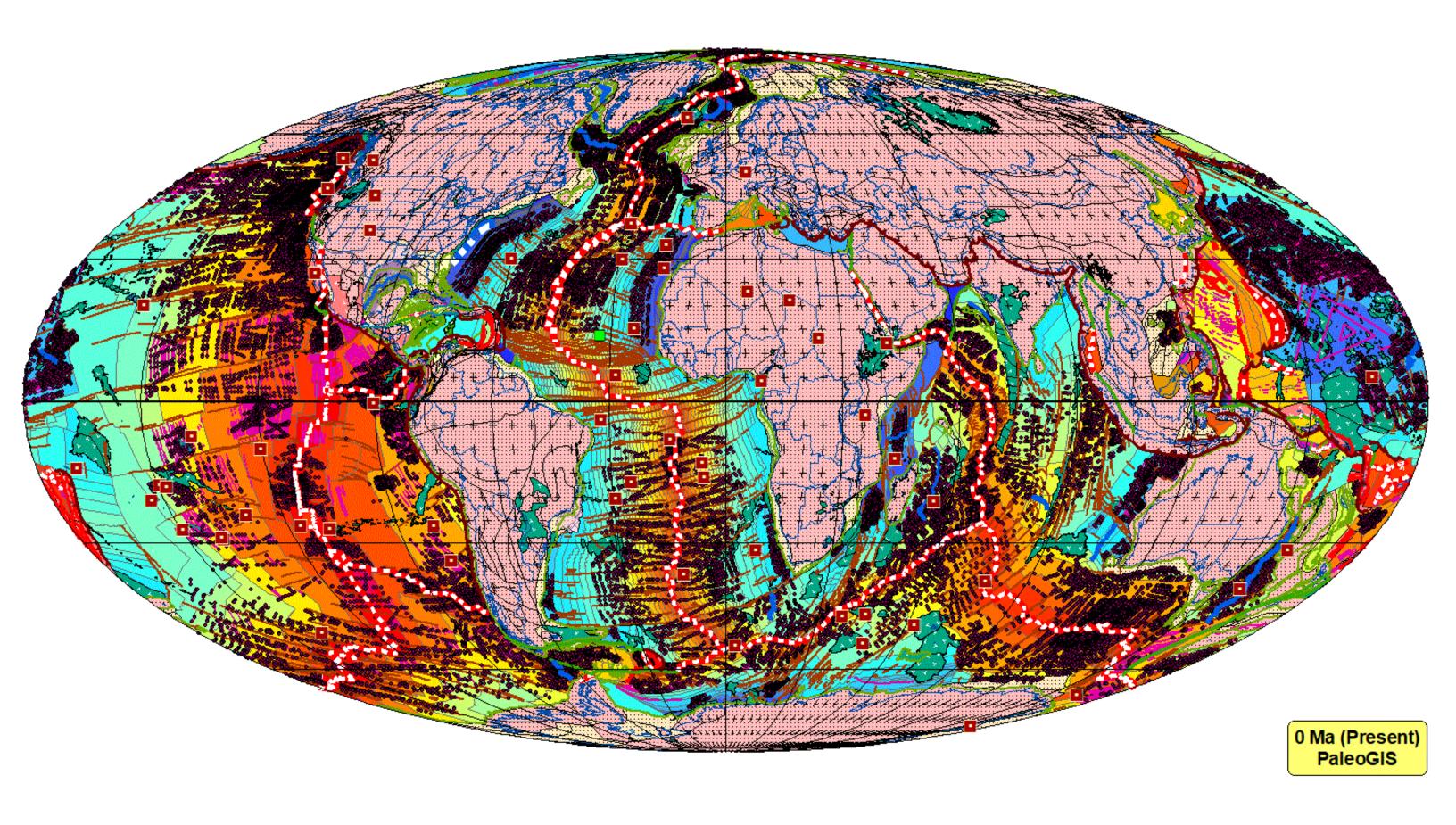












# Plates\_Oceanic\_Dec2020 Appearance

- 1.000000 2.000000
- 2.000001 6.000000
- 6.000001 12.000000
- 12.000001 16.300000
- 16.300001 21.000000
- 21.000001 23.000000
- 23.000001 27.000000
- 27.000001 32.000000
- 32.000001 35.700000
- 35.700001 41.000000
- 41.000001 45.000000
- 45.000001 52.000000
- 52.000001 57.000000
- 57.000001 62.000000
  - 62.000001 67.000000
- 67.000001 72.000000
- 72.000001 75.000000
- 75.000001 86.000000
- 86.000001 97.000000
- 97.000001 106.000000
- 106.000001 115.000000
- 115.000001 125.800000
- 125.800001 135.000000
- 135.000001 143.000000
- 143.000001 146.220000
- 146.220001 155.000000
- 155.000001 163.000000
- 163.000001 173.000000
- 173.000001 185.000000
- 185.000001 250.000000

#### **Activity** (Hotspots)

- Active
- Inactive

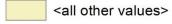
## Plate\_bounds\_Dec2020

----- <all other values>

#### **TYPE**

- Ls Left slip
- ---- R0 Extinct Ridge
- RI Ridge
- ---- RS Right slip
- ---- ss Strike slip
- su Subduction
- LIPS\_all\_Dec2020

## Plates\_Dec2020



# Crust\_Code

- Accretion
- ××× Basin
- Blank
- Caribbean LIP
- Cont Arc
- Continental
- FoldBelt
- Intrusive Oceanic
- Inv Basin
- Island Arc
- 🏋 💢 LIP
- Melange
  - Oceanic
- Ophiolite
- Transitional
- Unknown
- Blake\_Plateau\_def