The PLATES 2004 Atlas of Plate Reconstructions (750 Ma to Present Day)

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Progress Report No. 290-0804

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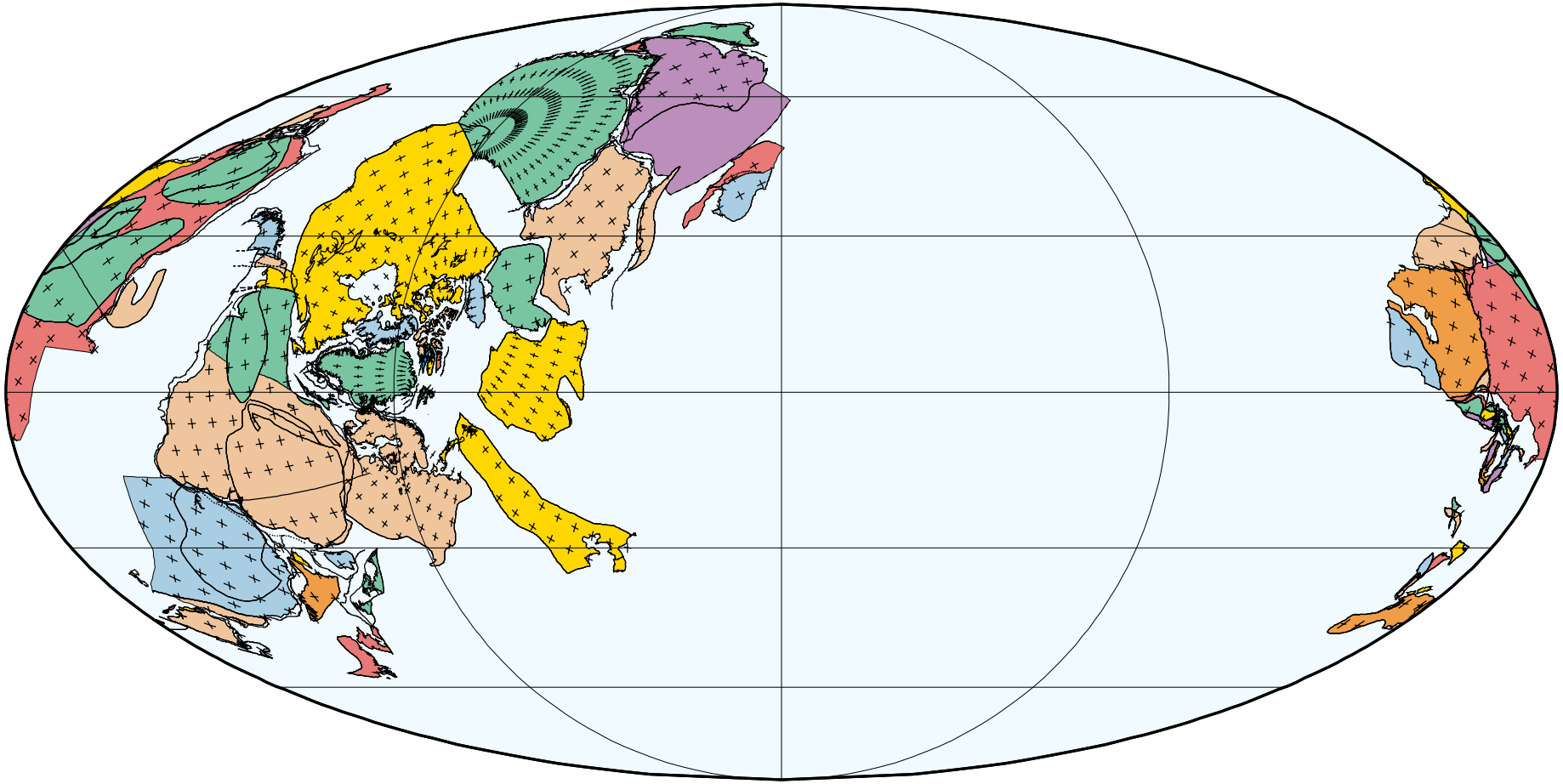
This atlas was originally produced in October, 2004.



750 Ma

Late Proterozoic

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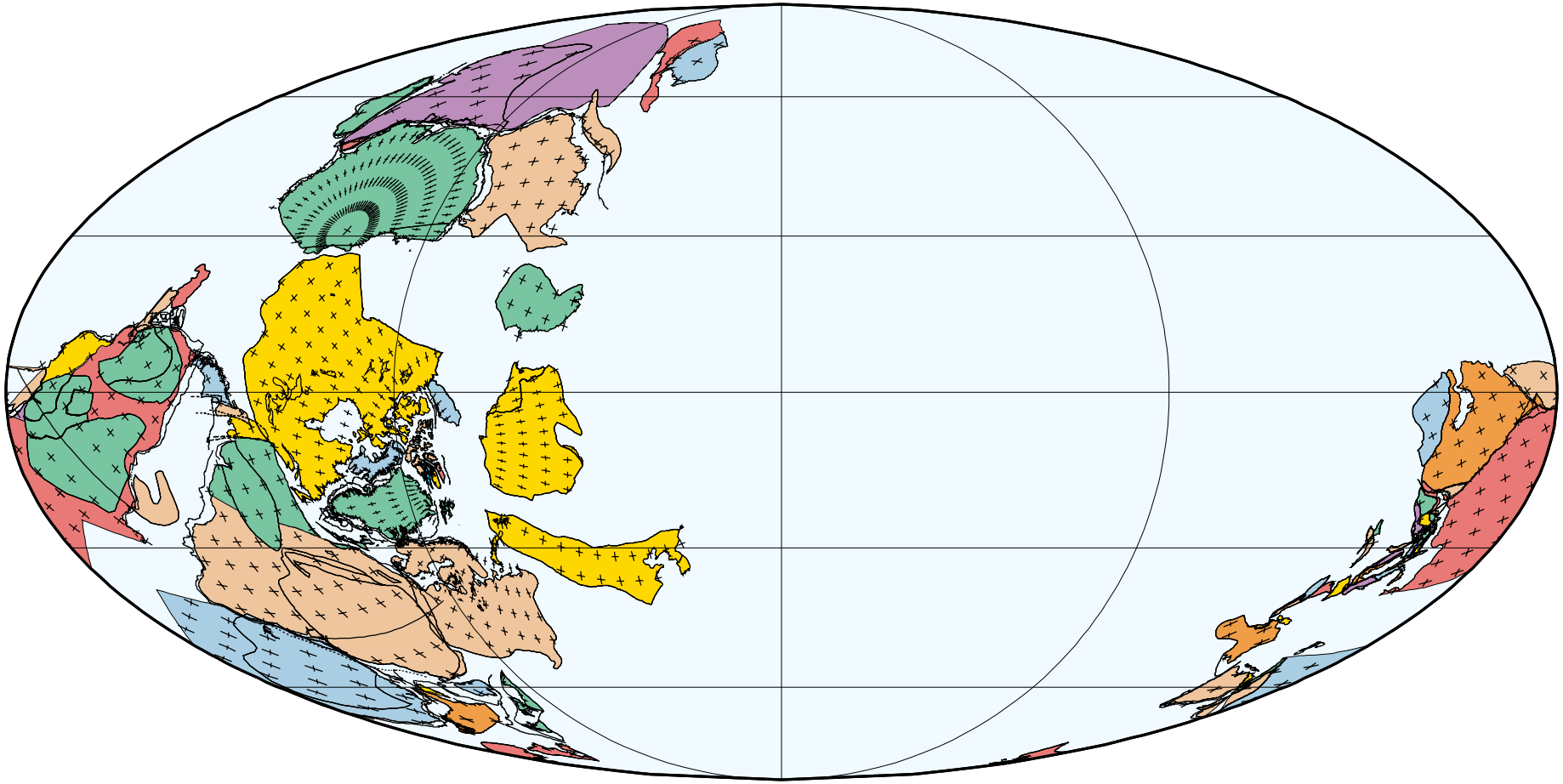
September 2004



700 Ma

Late Proterozoic

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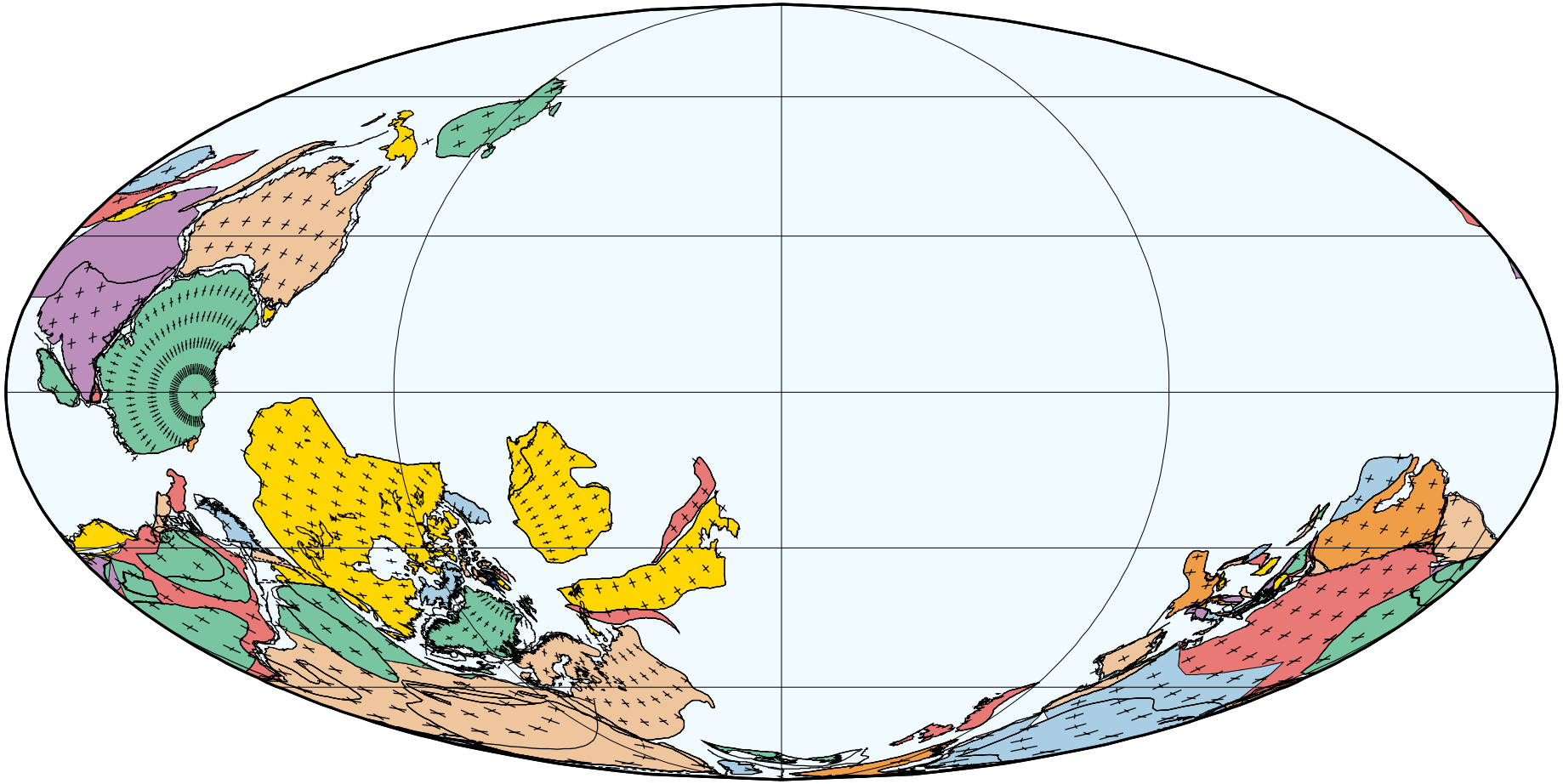

650 Ma

Late Proterozoic

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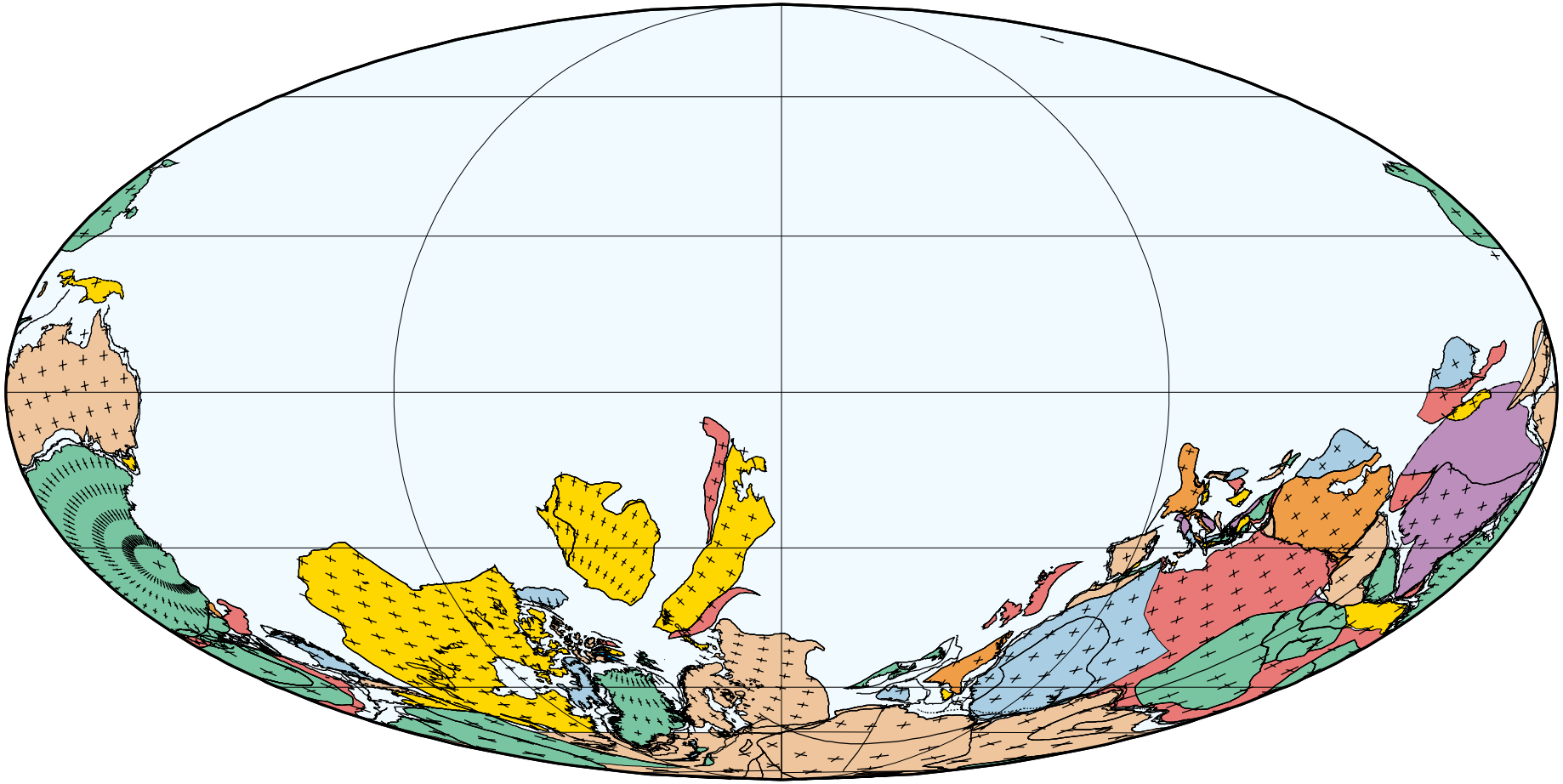

600 Ma

Late Proterozoic

PLATES/UTIG

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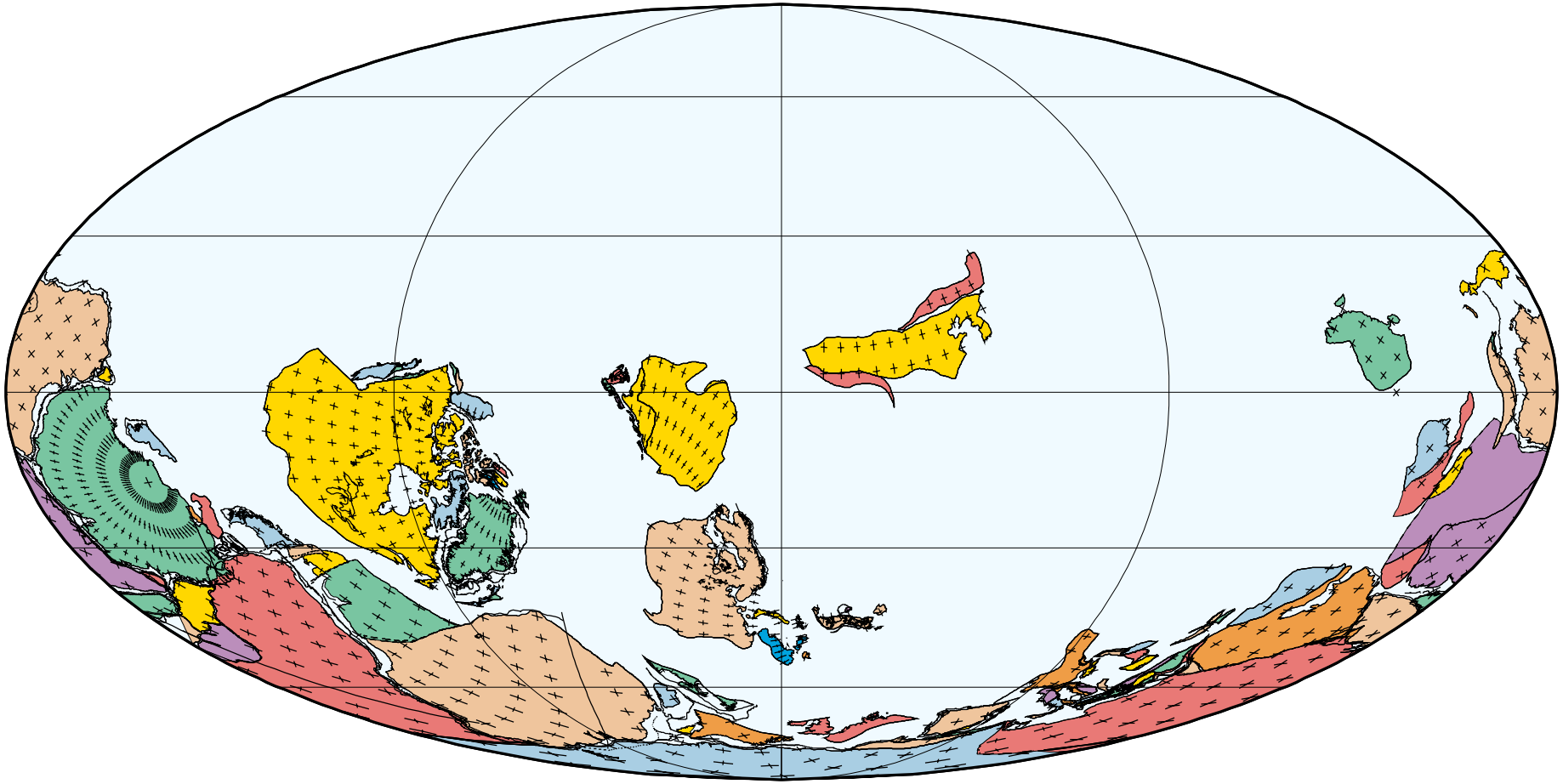

540 Ma

Nemakitian-Daldynian (Early Cambrian)

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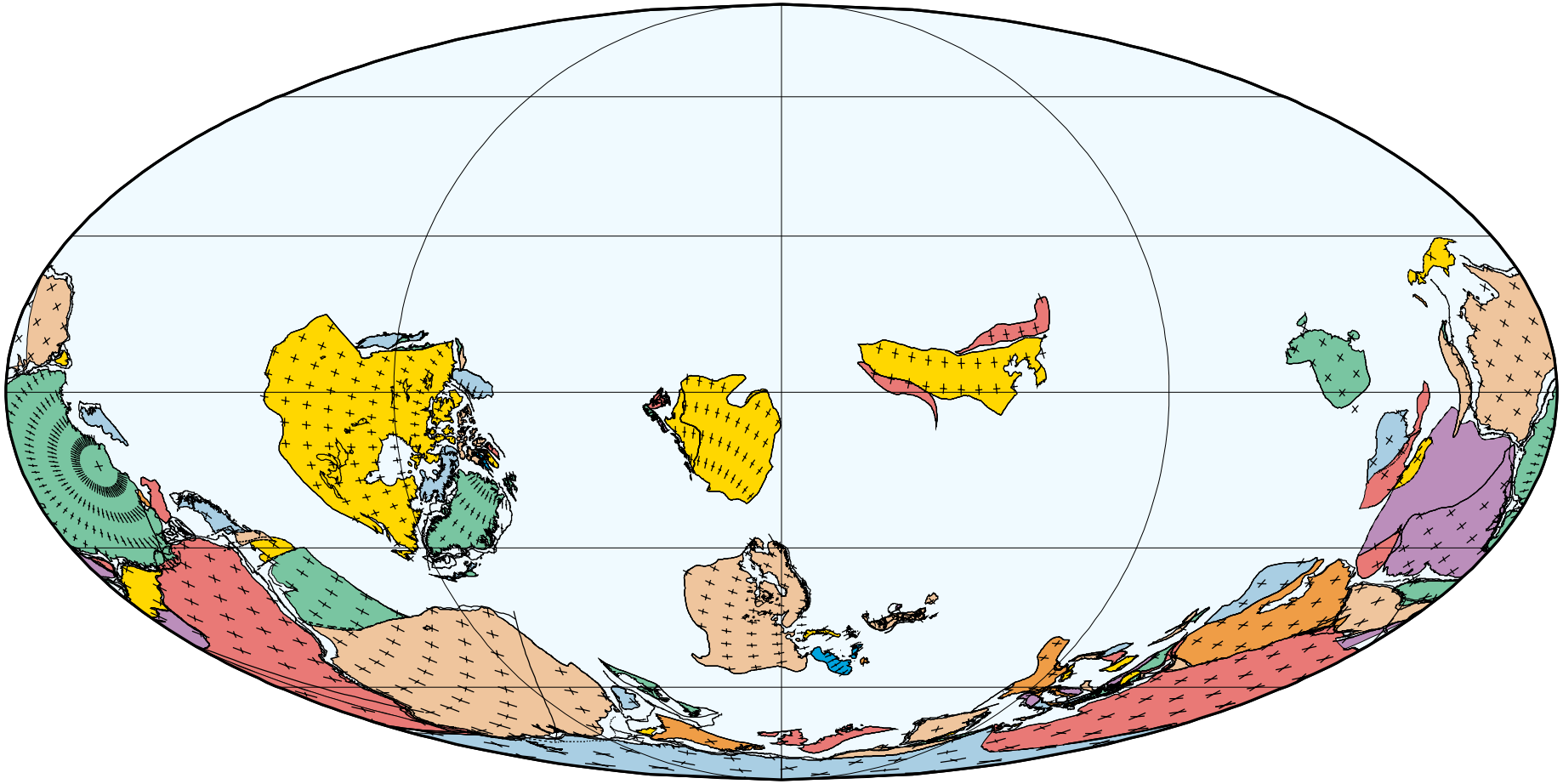

530 Ma

Late Tommotian/Early Atdabanian (Early Cambrian)

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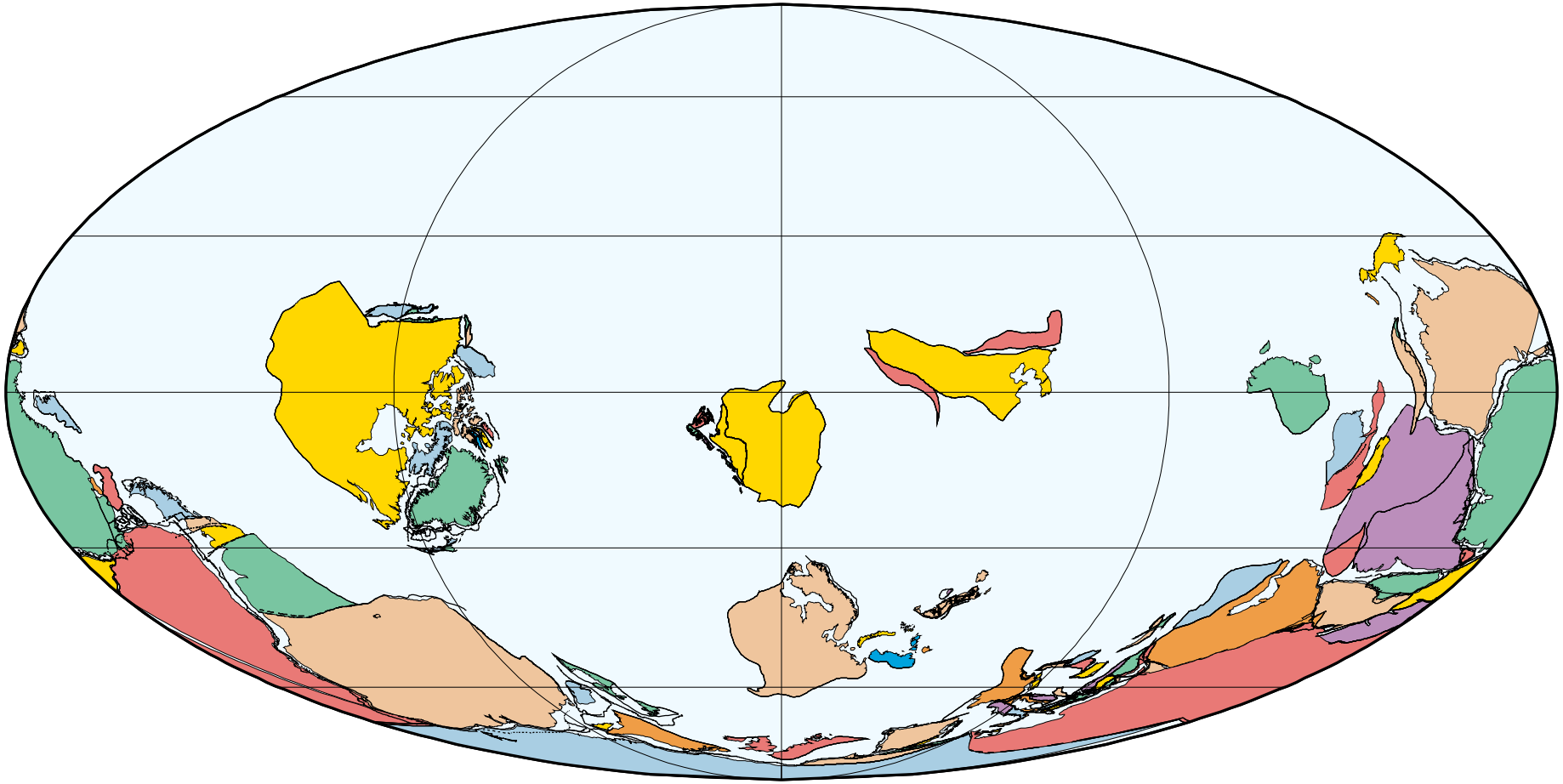

520 Ma

Lenian (Early Cambrian)

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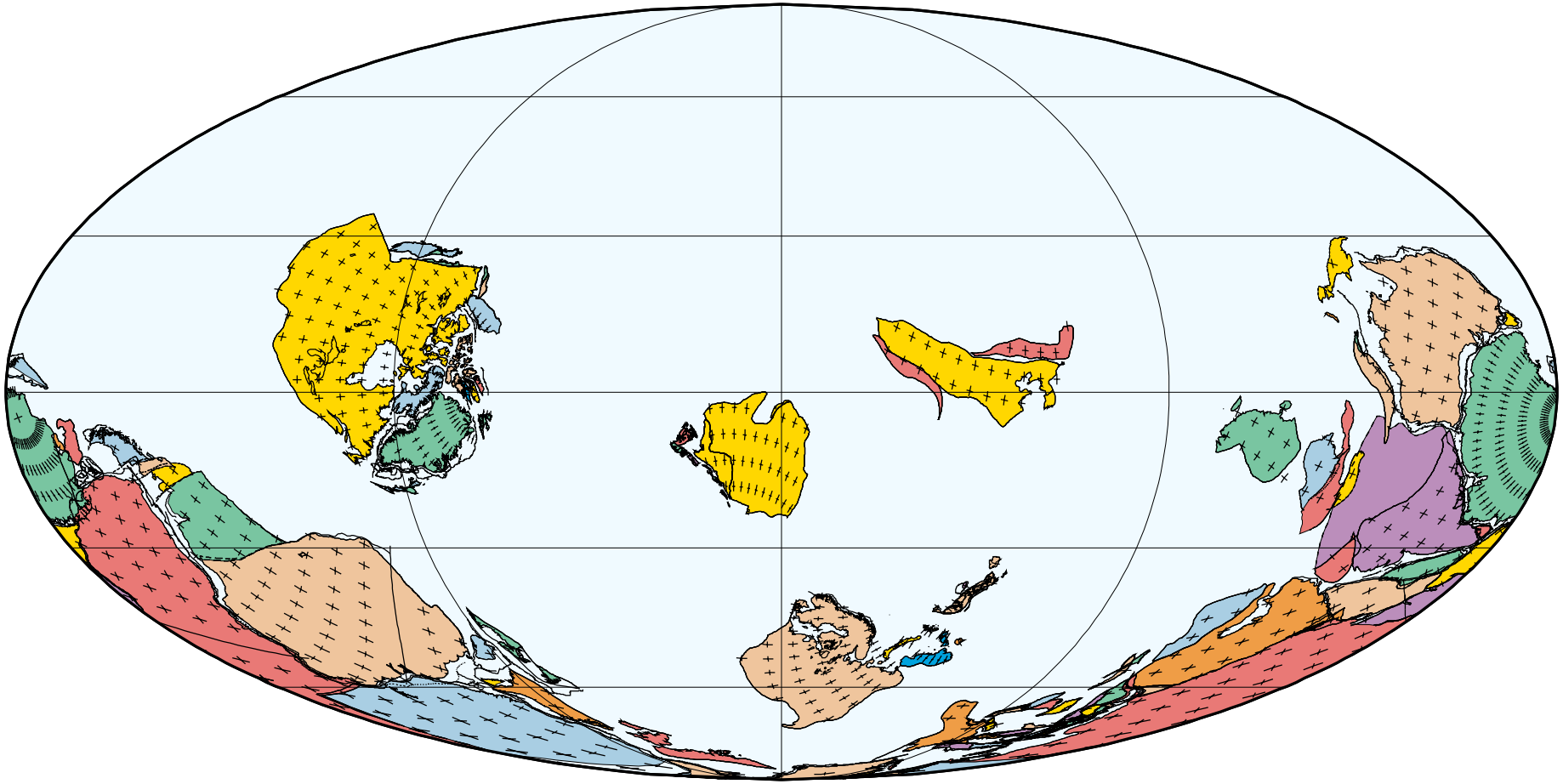

510 Ma

Middle Cambrian

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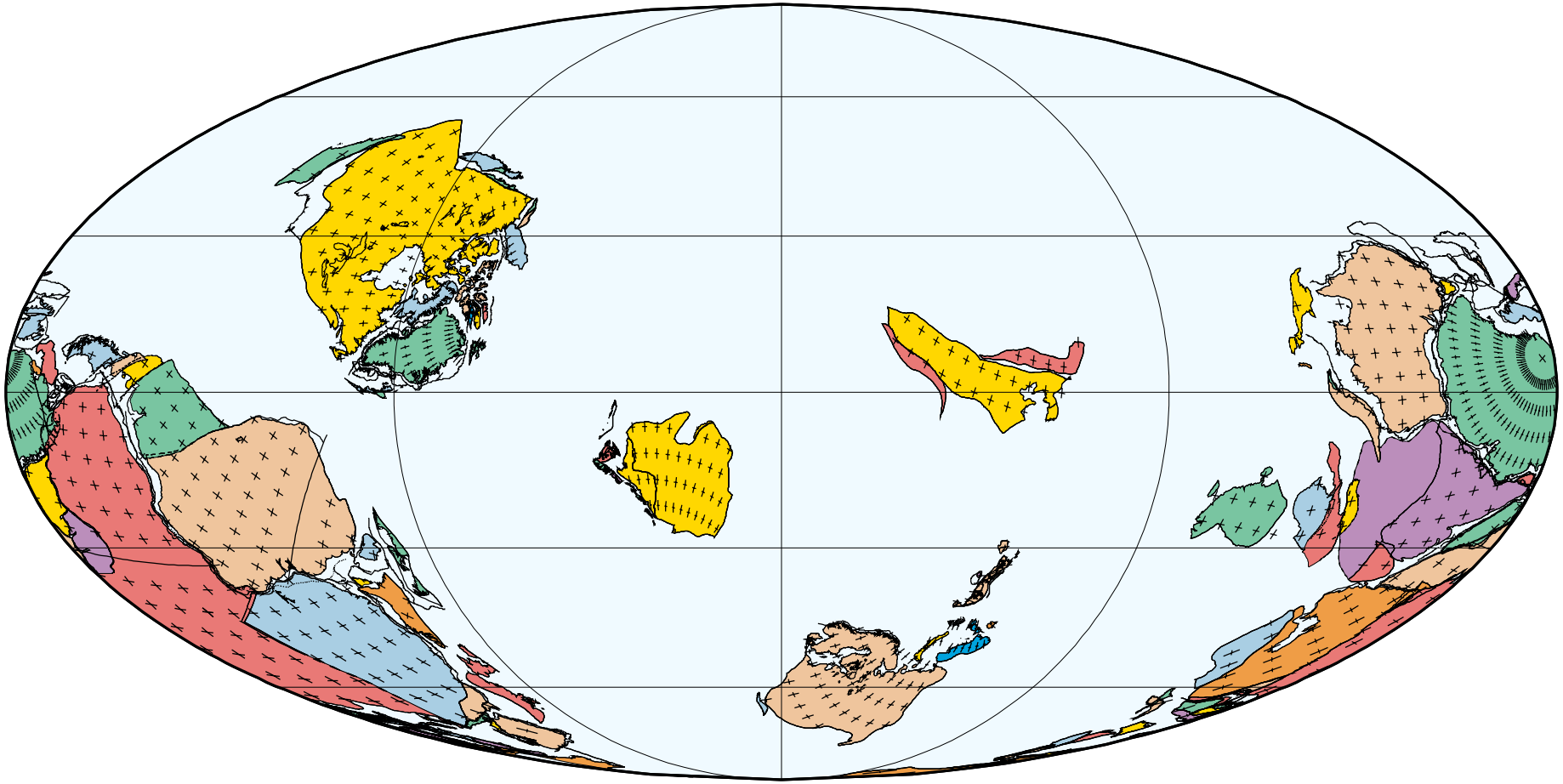

500 Ma

Late Cambrian

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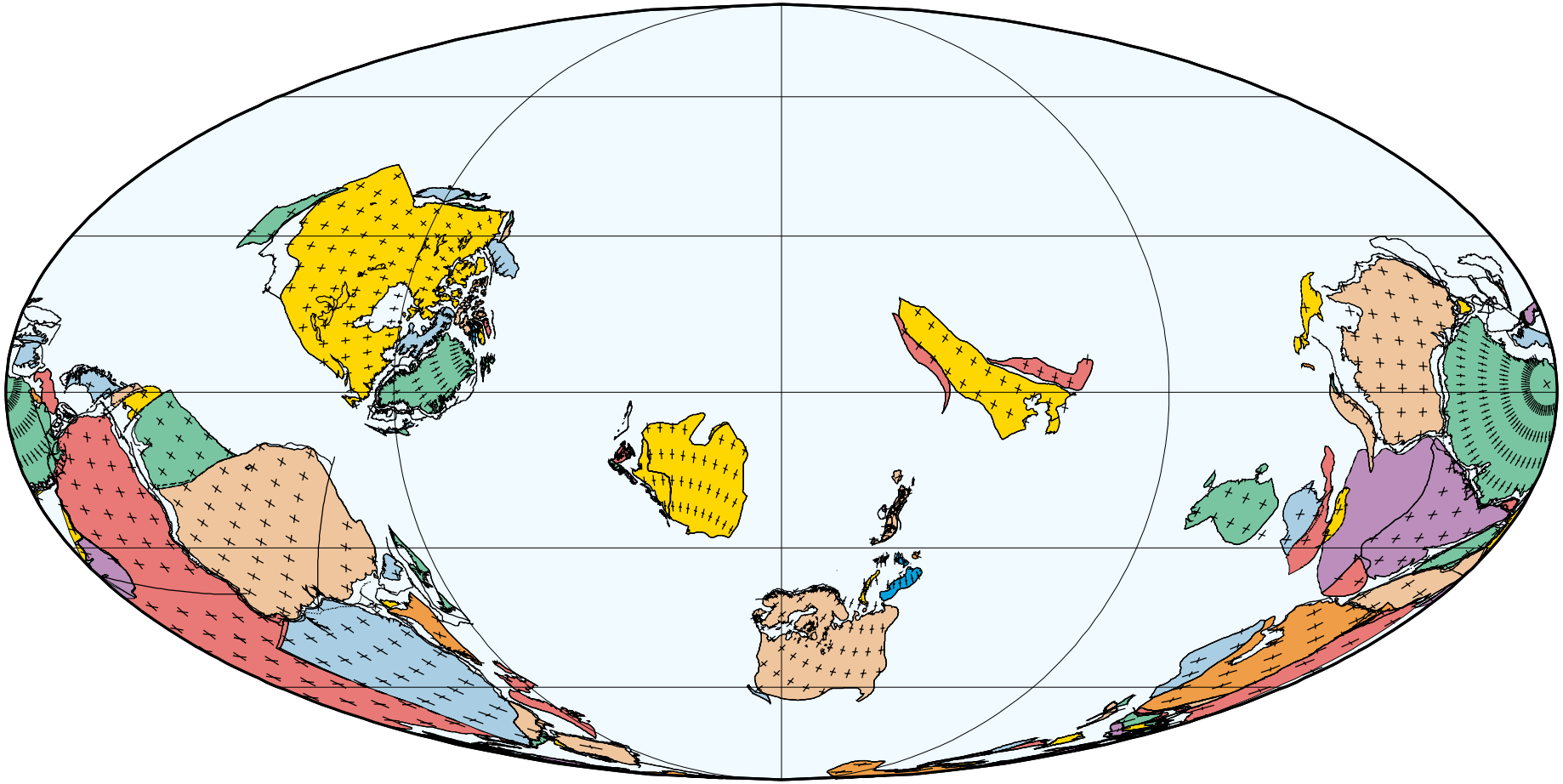

490 Ma

Tremadocian (Early Ordovician)

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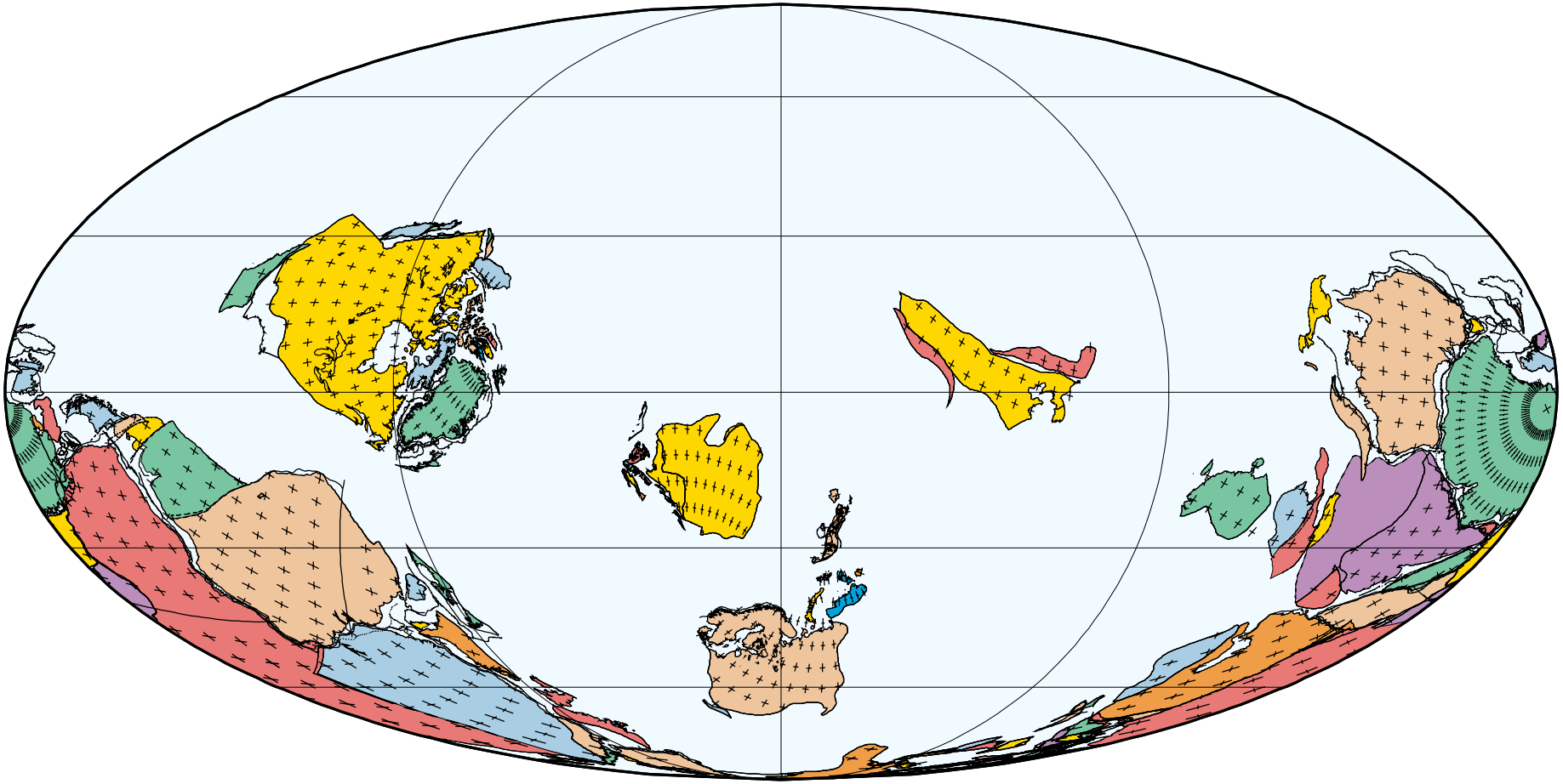

480 Ma

Arenigian (Early Ordovician)

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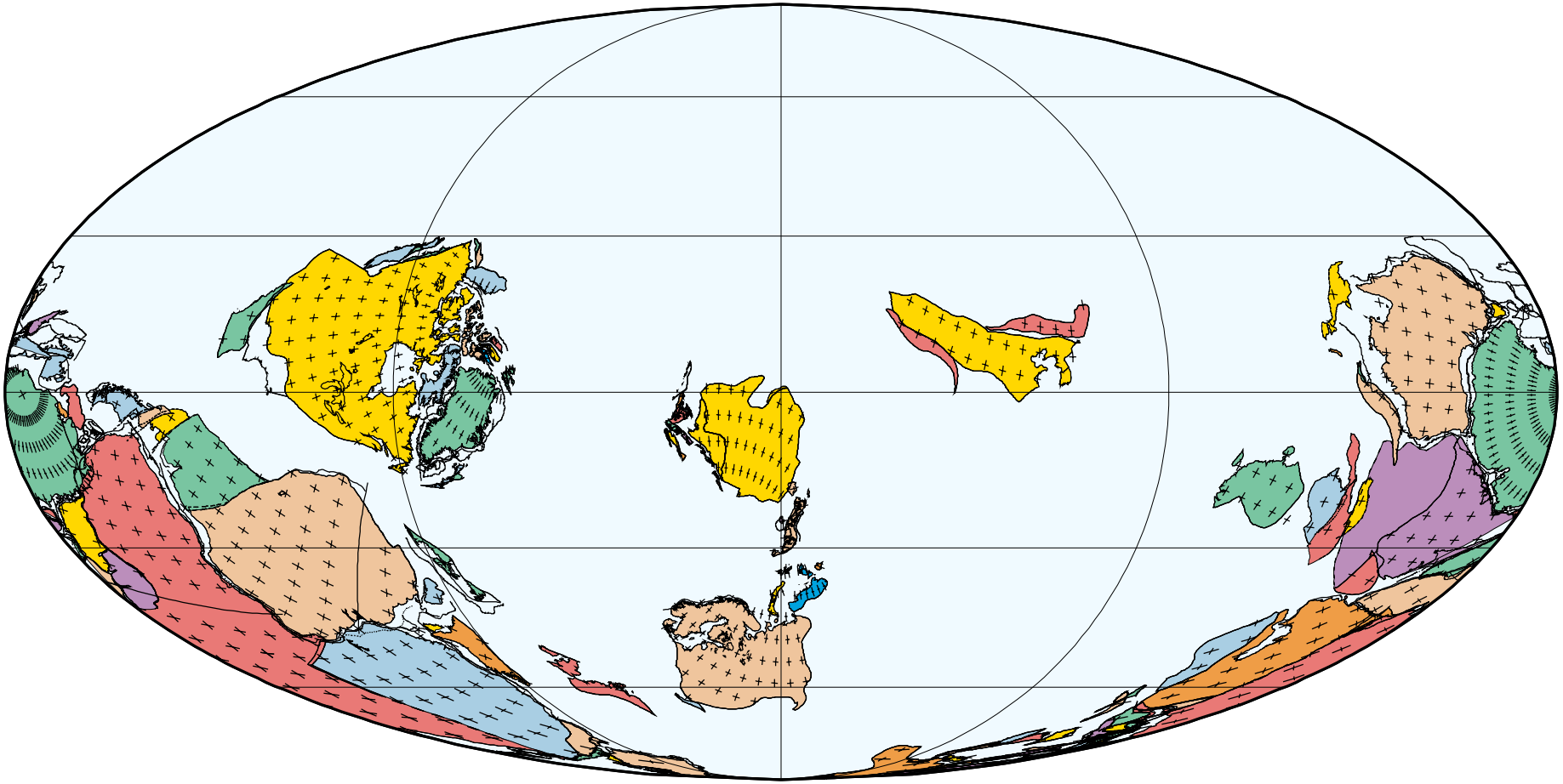

470 Ma

Late Arenigian/Early Llanvirnian (Early/Middle Ordovician)

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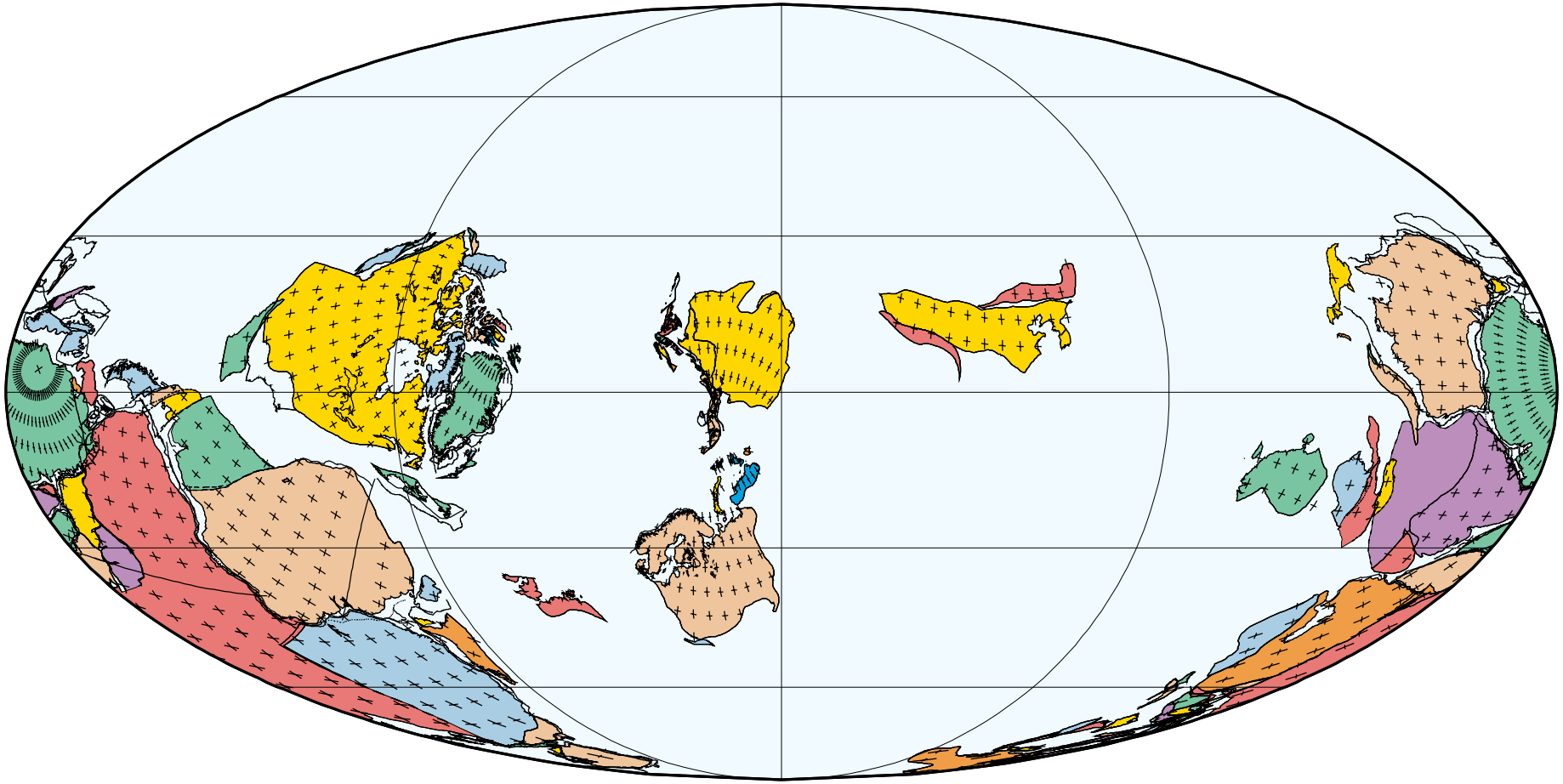

460 Ma

Llandeilan (Middle Ordovicion)

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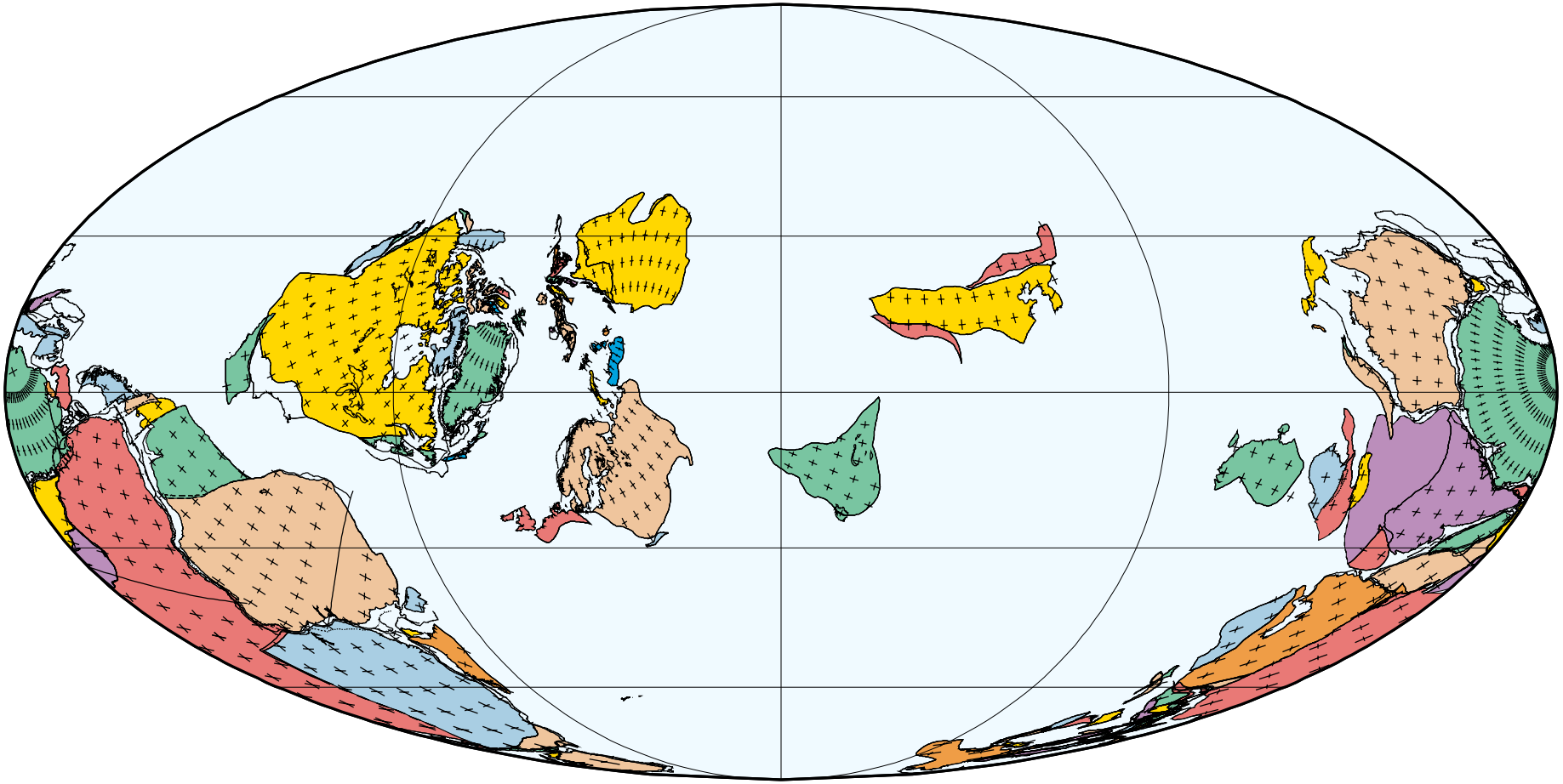

450 Ma

Caradocian (Late Ordovician)

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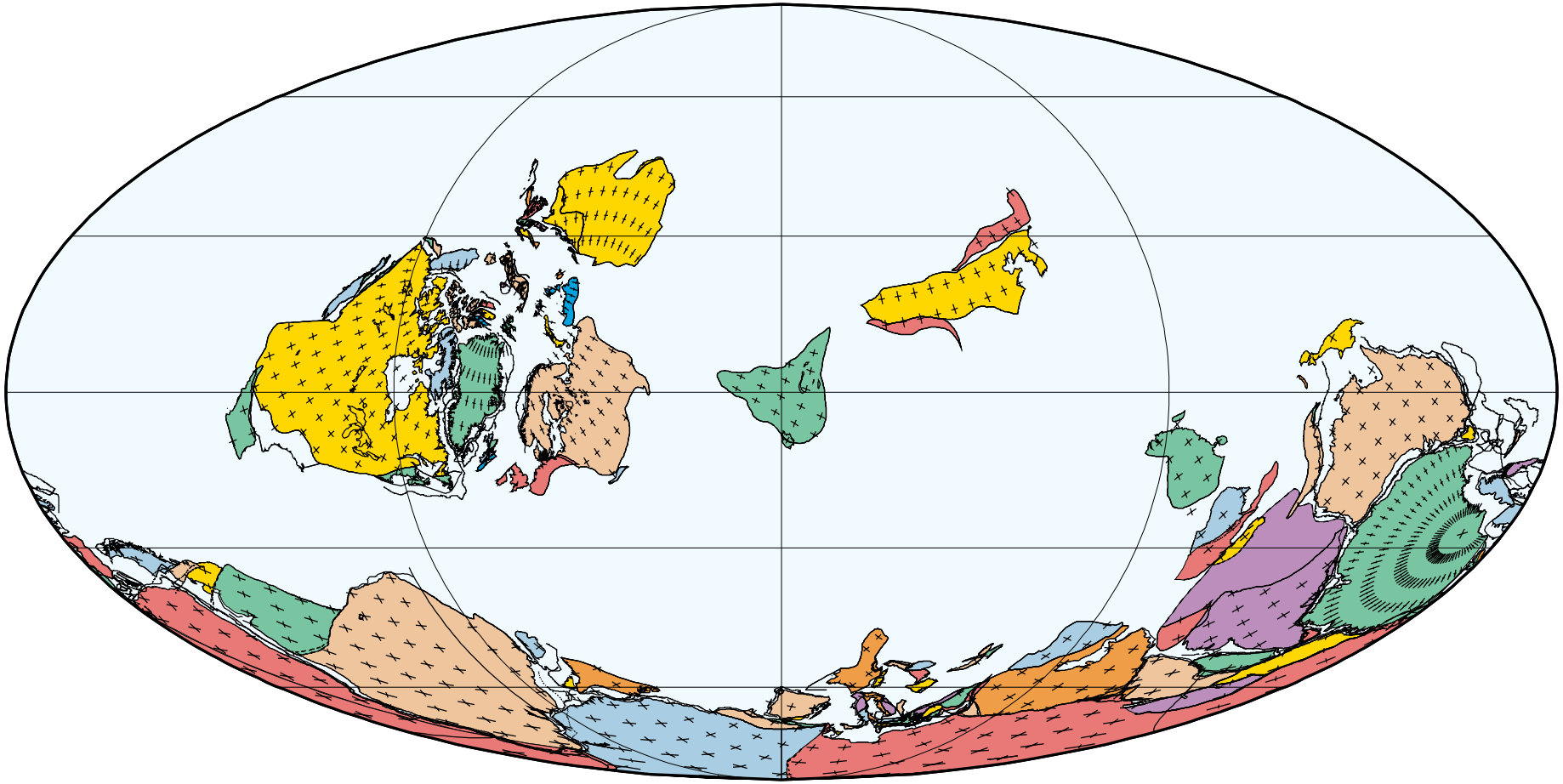

440 Ma

Early Llandoverian (Early Silurian)

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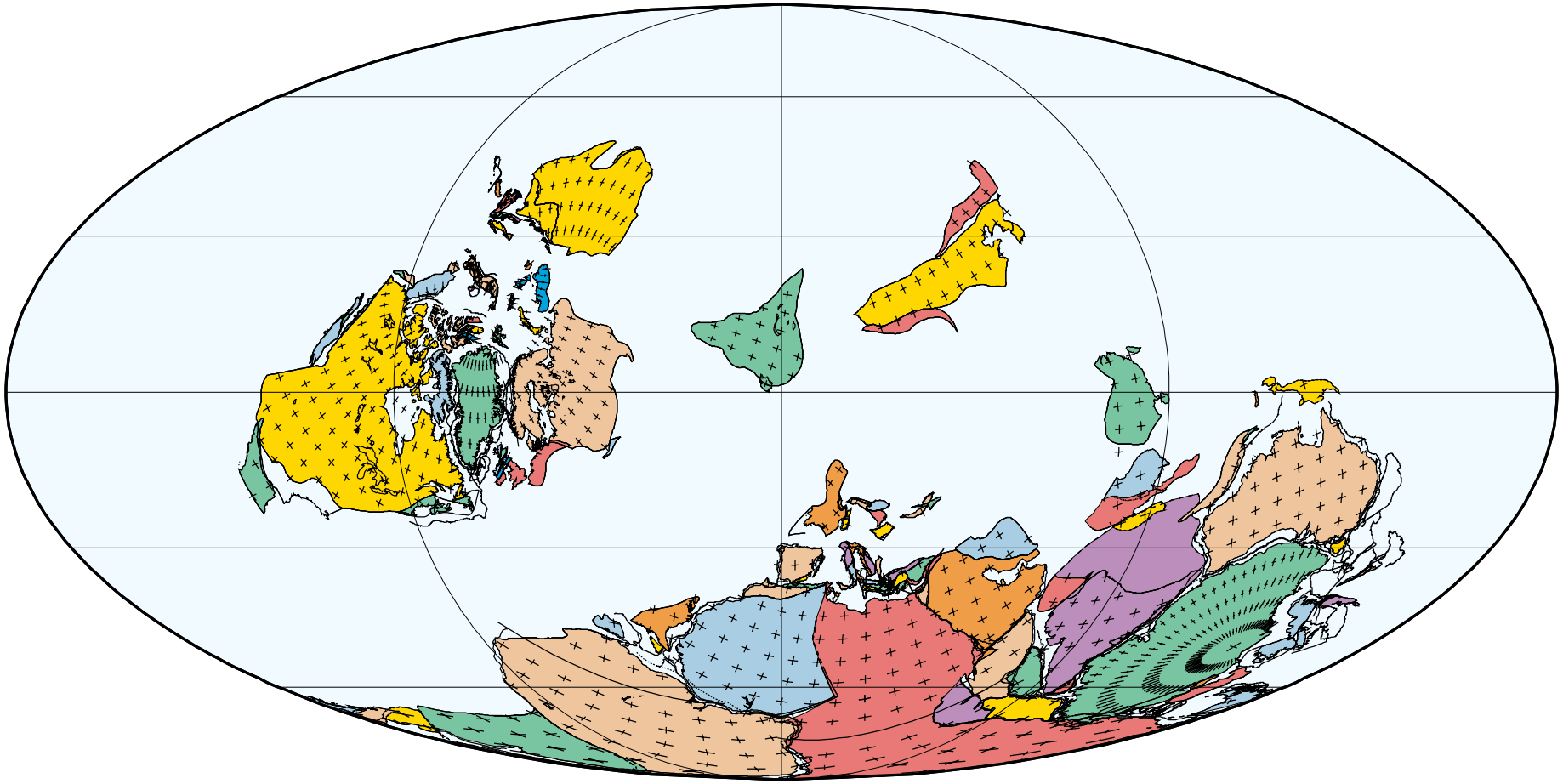

430 Ma

Late Llandoverian (Early Silurian)

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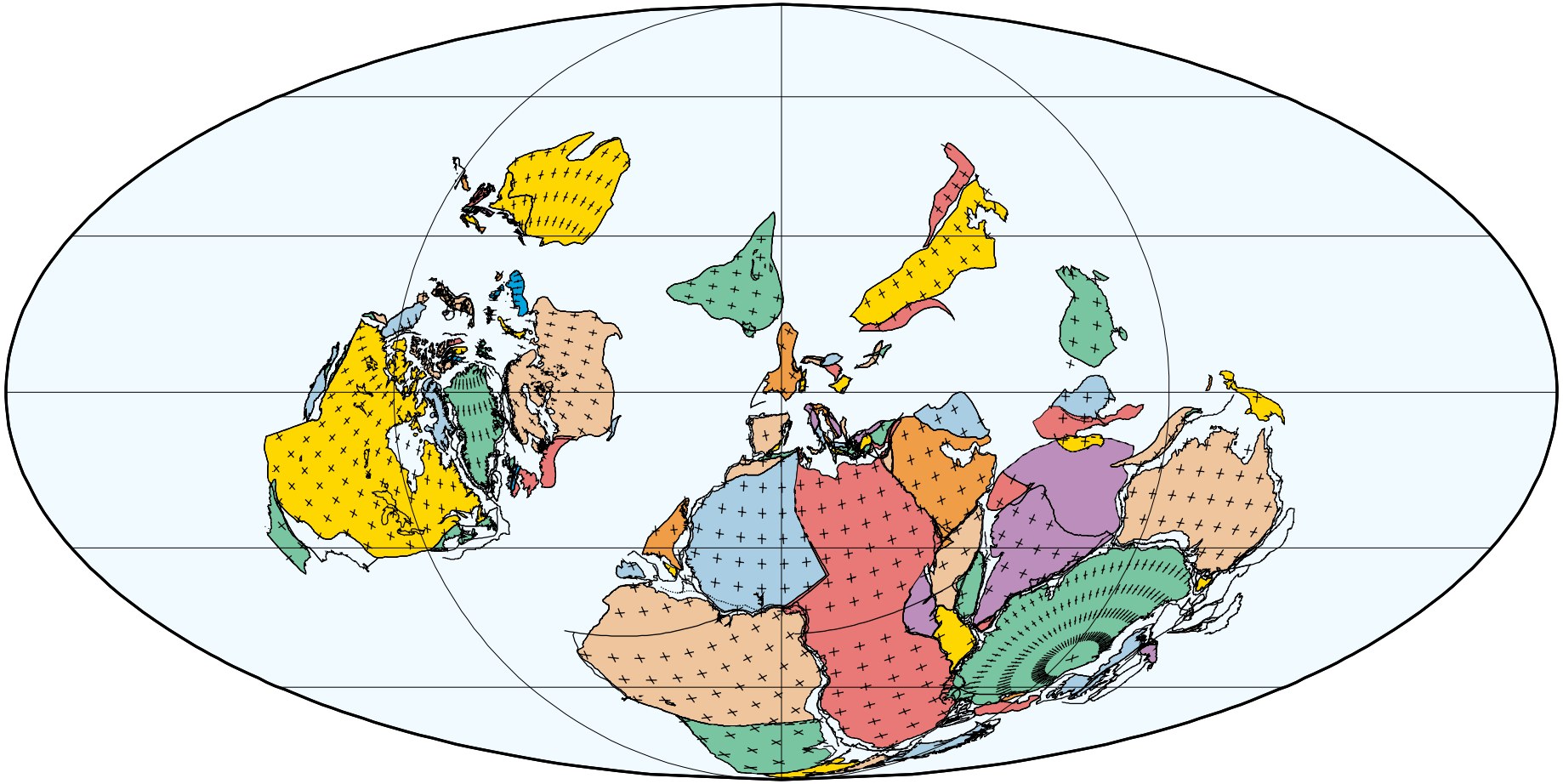

420 Ma

Ludlovian (Late Silurian)

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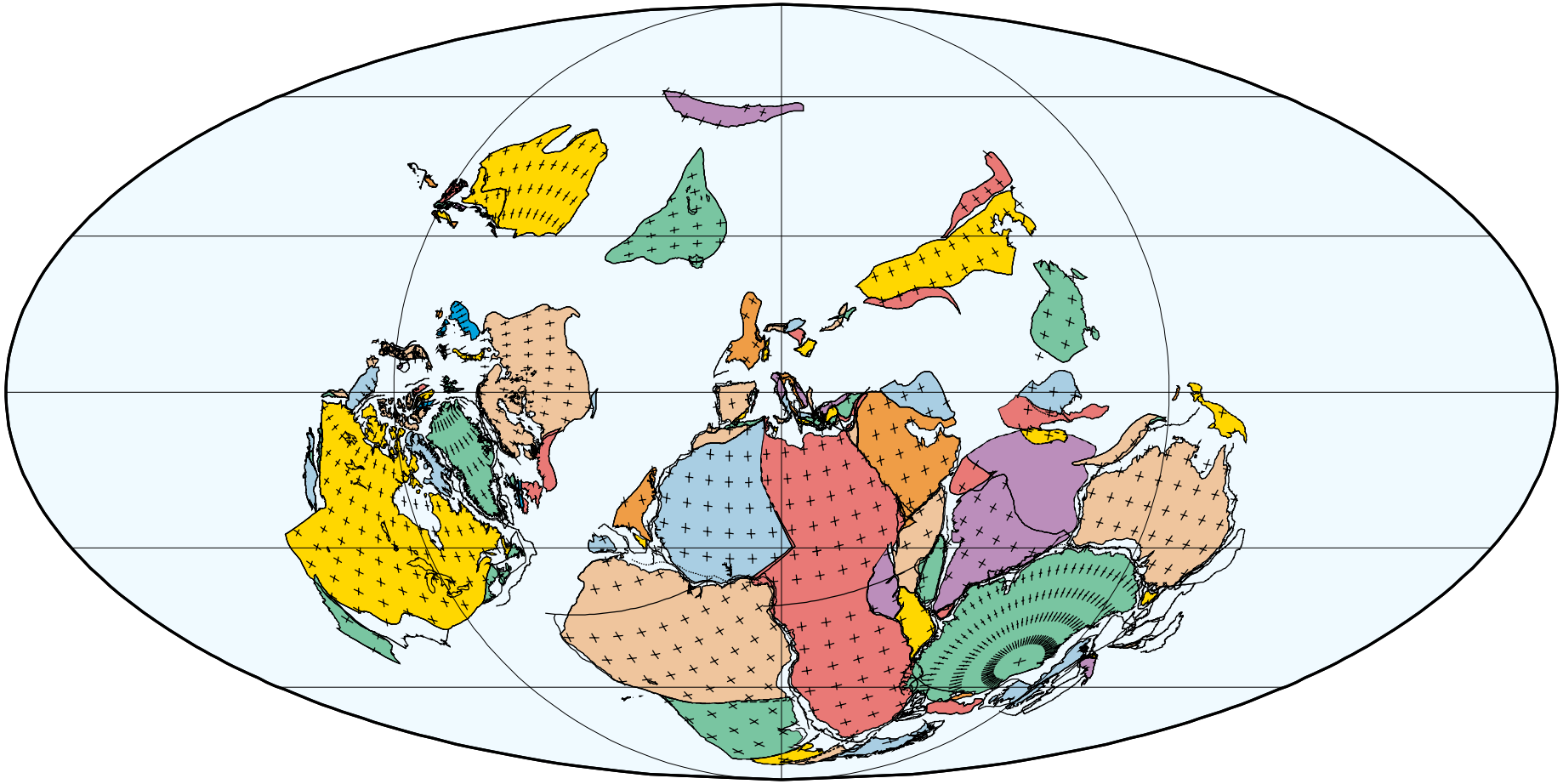

410 Ma

Early Praghian (Early Devonian)

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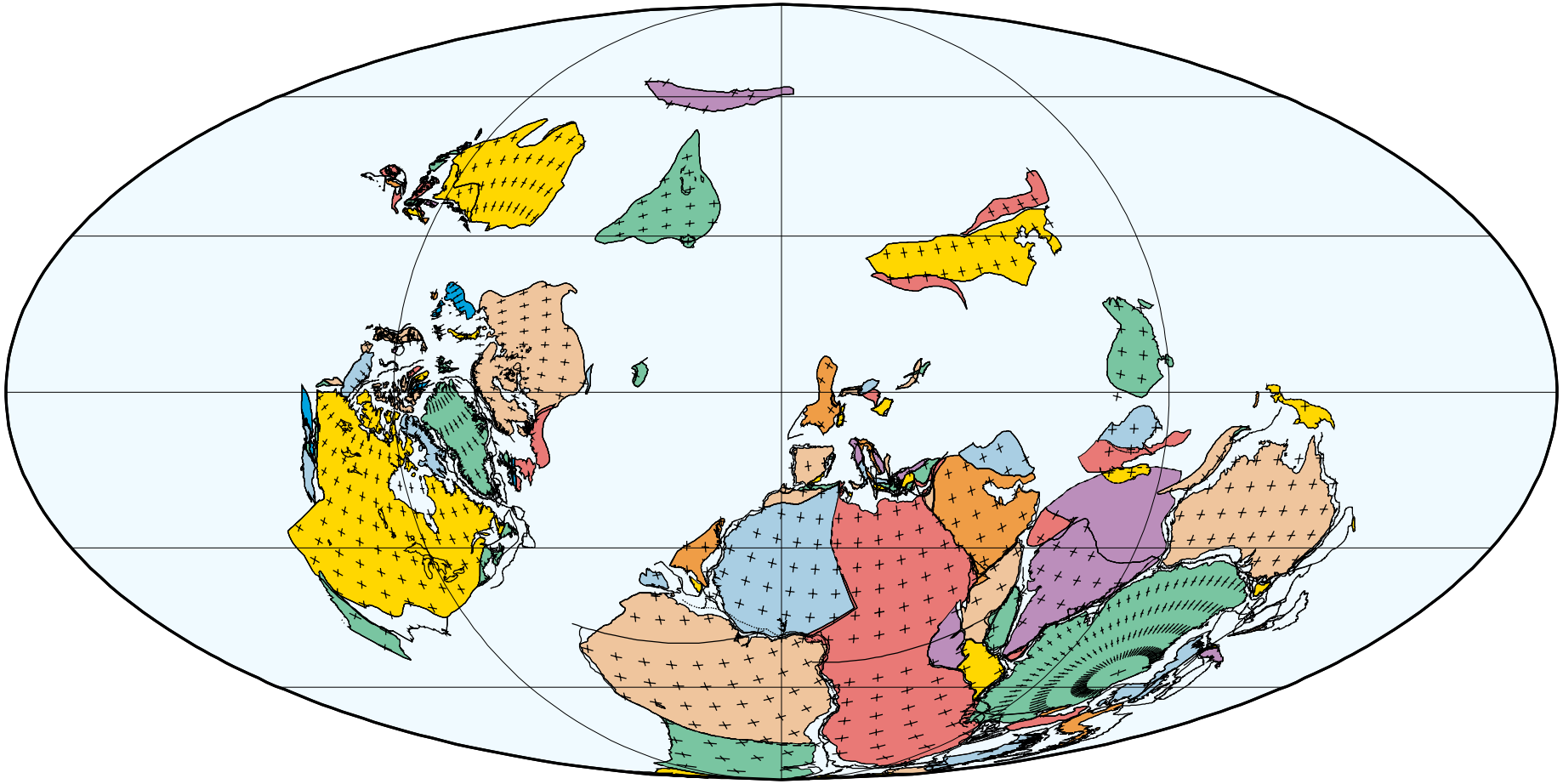

400 Ma

Late Praghian/Early Emsian (Early Devonian)

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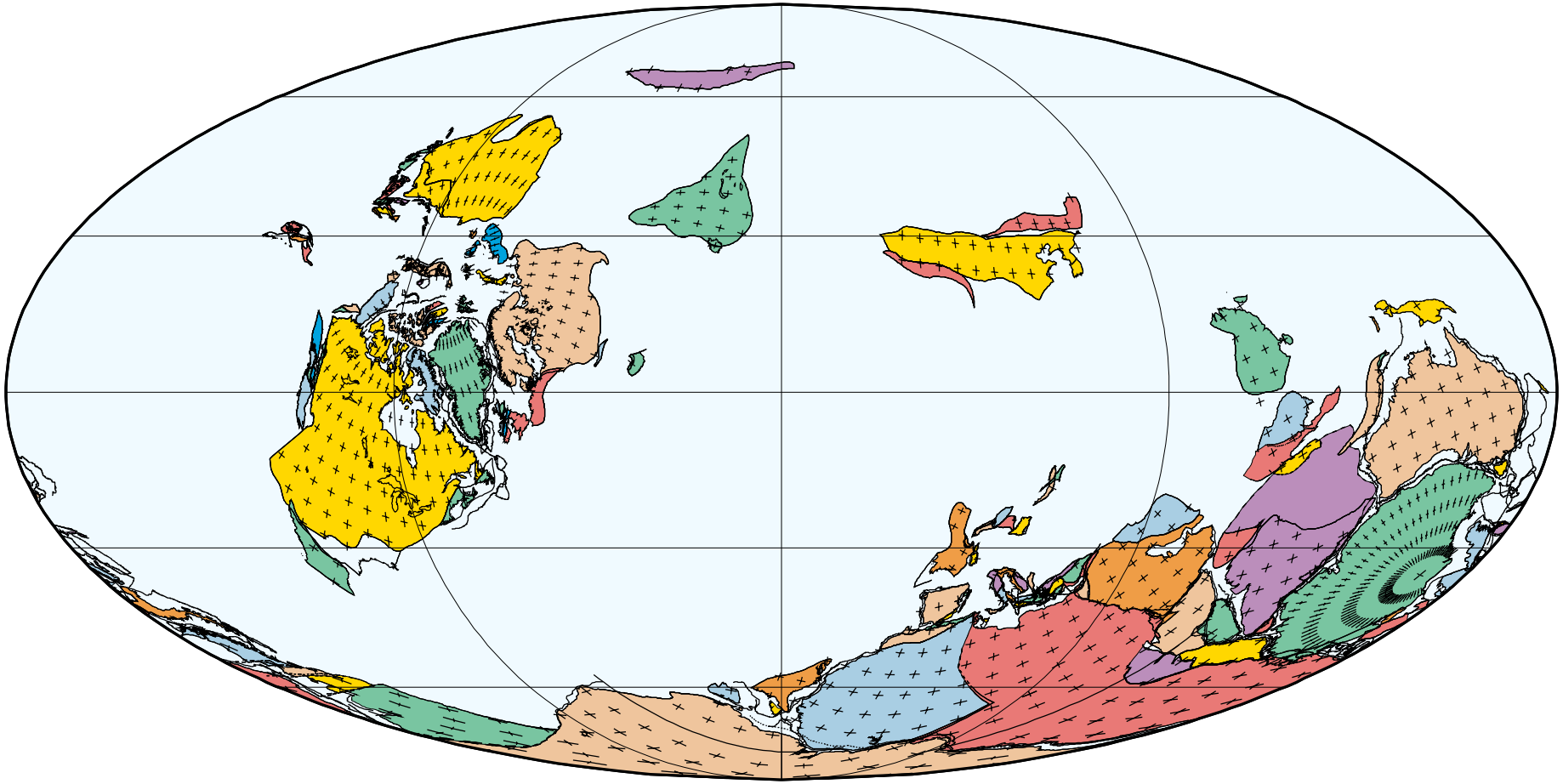

390 Ma

Early Eifelian (Early Devonian)

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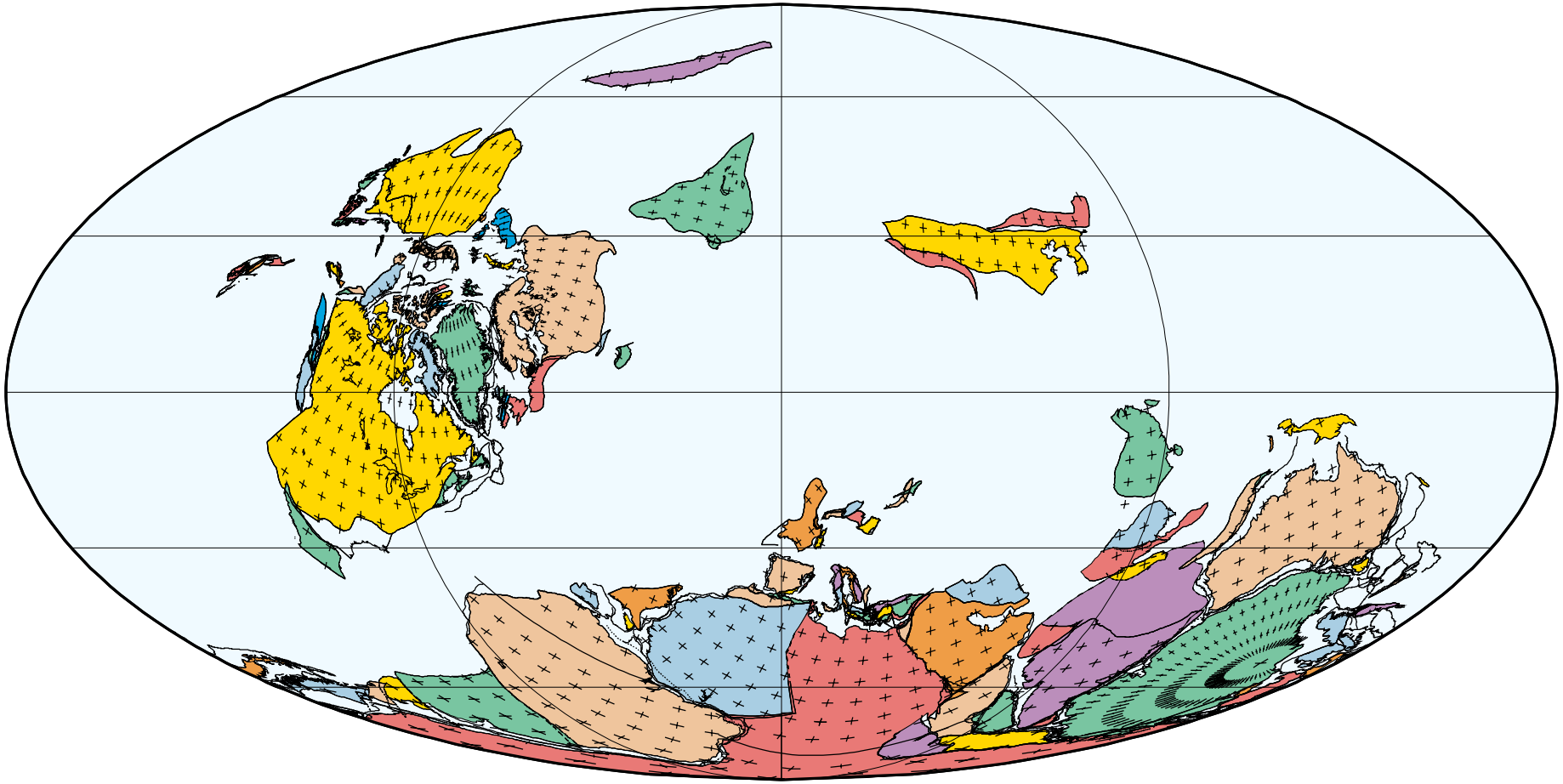

380 Ma

Late Eifelian/Early Givetian (Middle Devonian)

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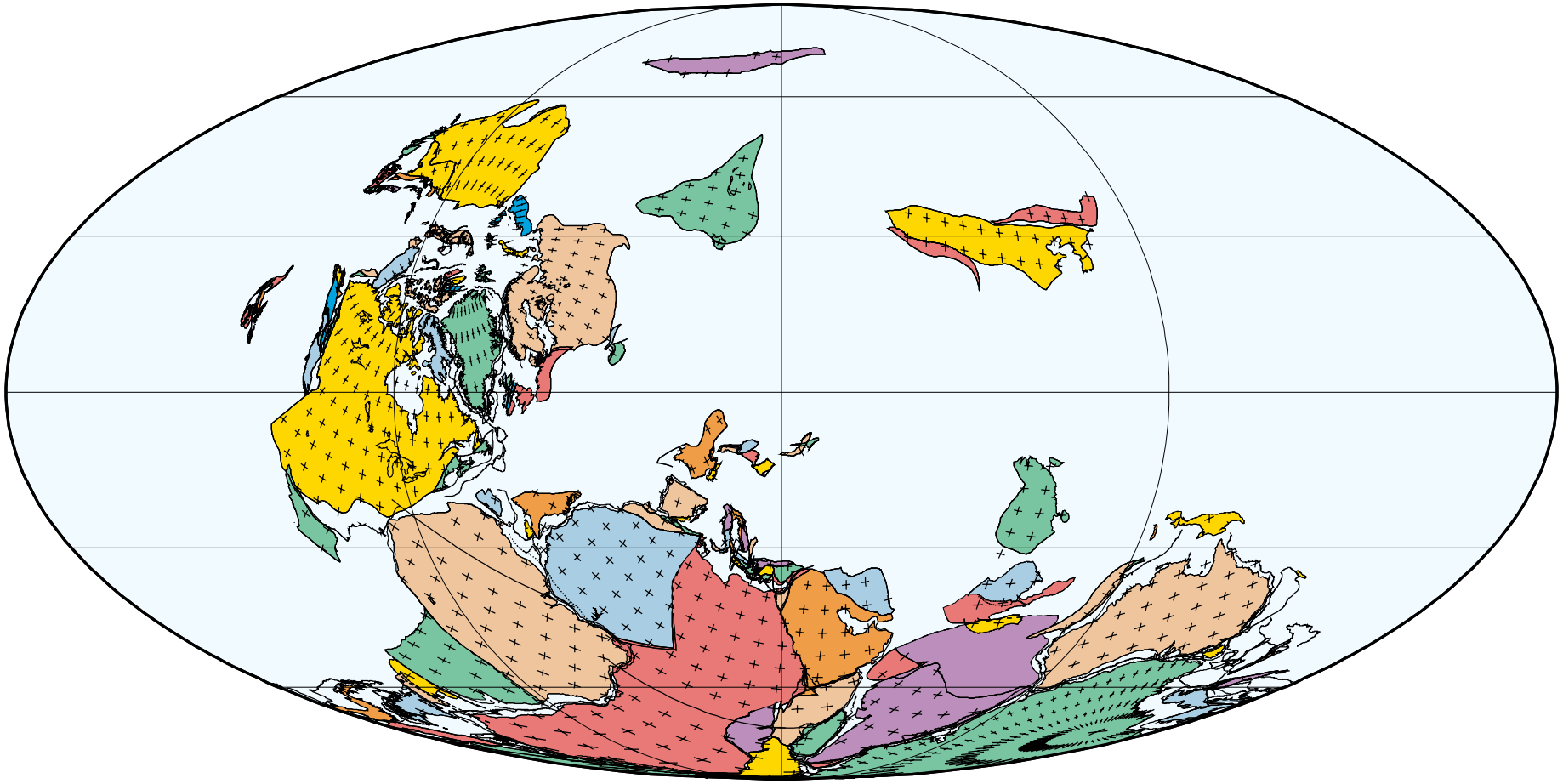

370 Ma

Late Givetian/Early Frasnian (Late Devonian)

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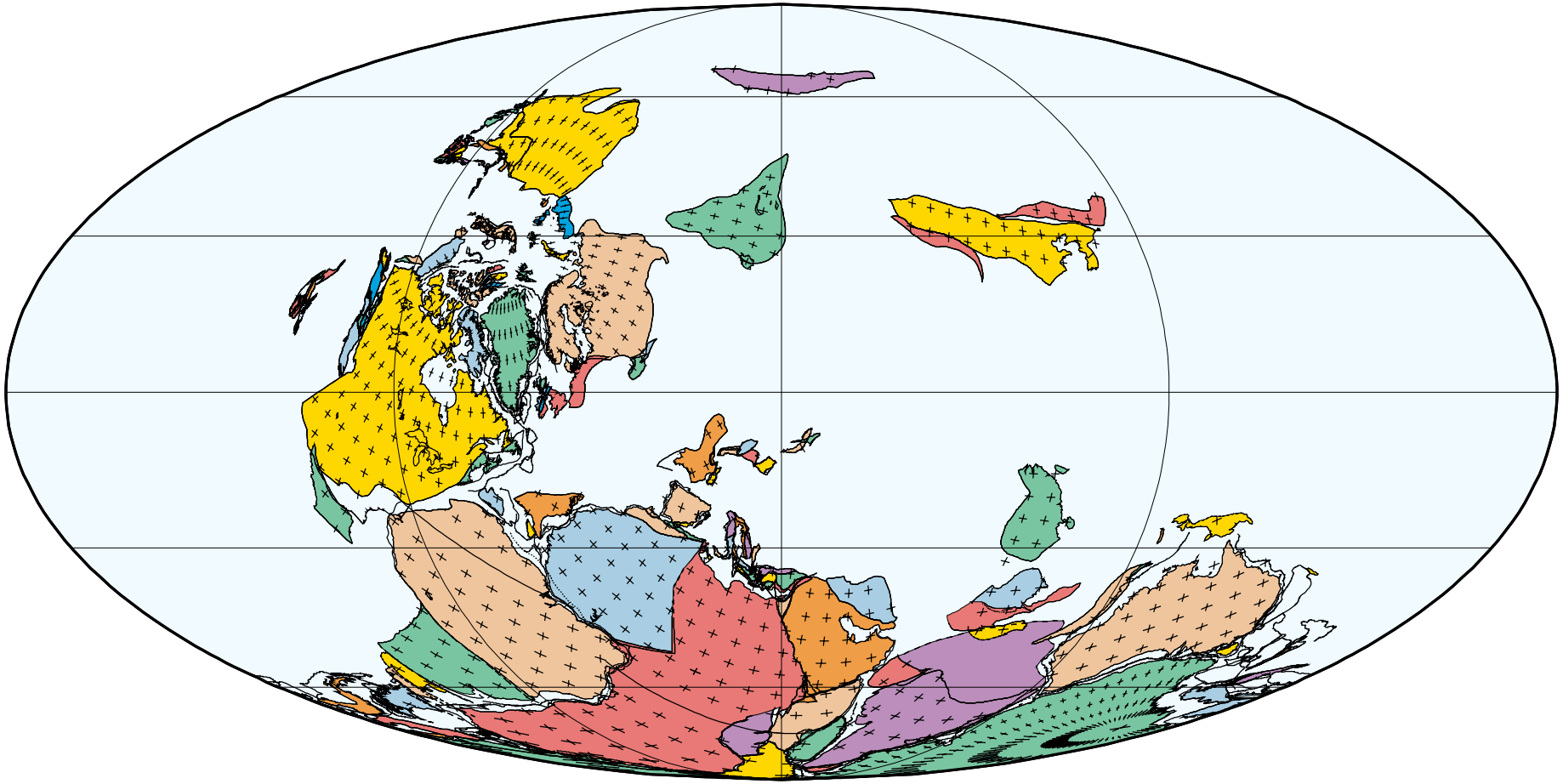

360 Ma

Famennian (Late Devonian)

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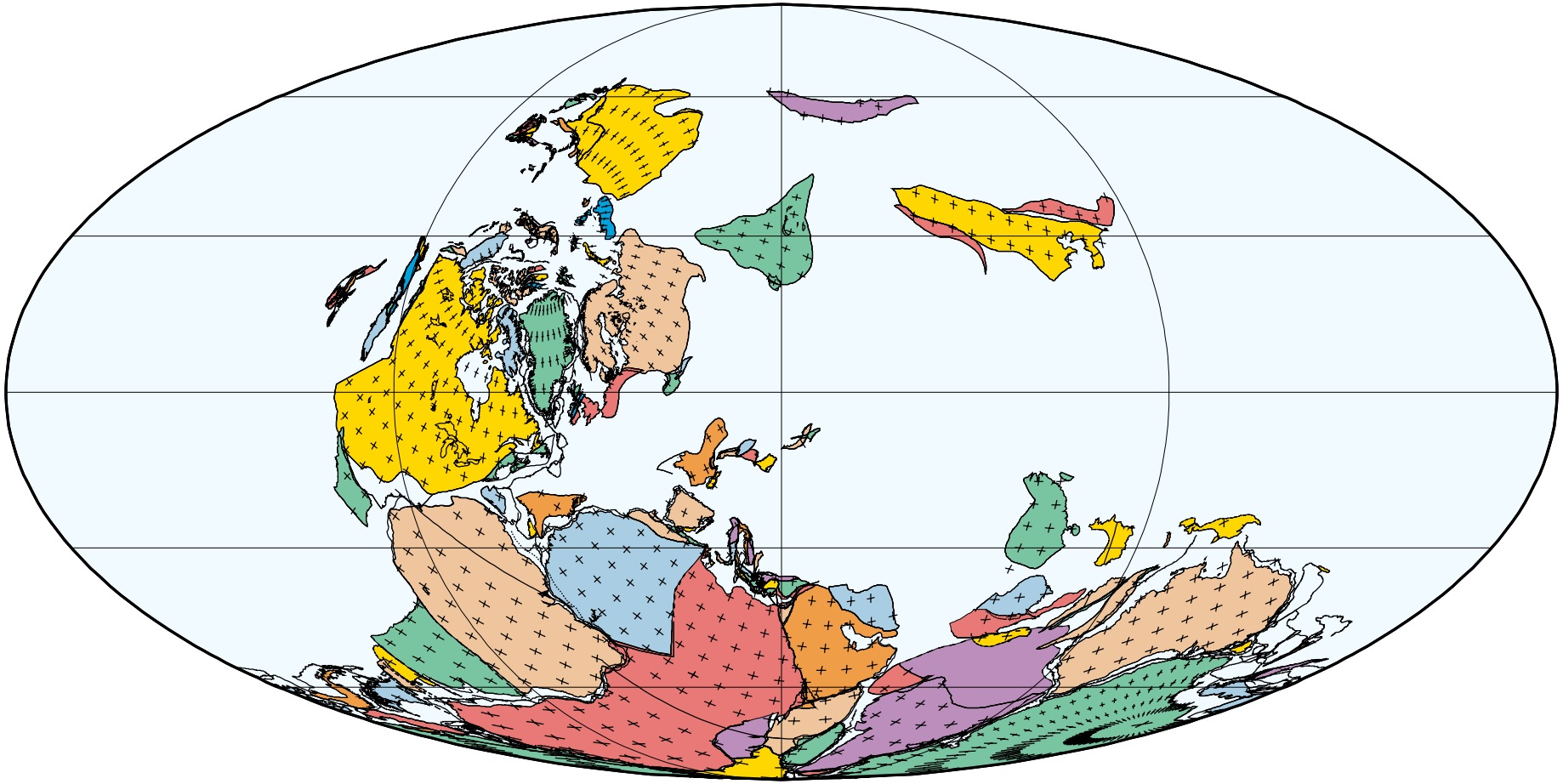

350 Ma

Tournaisian (Mississippian)

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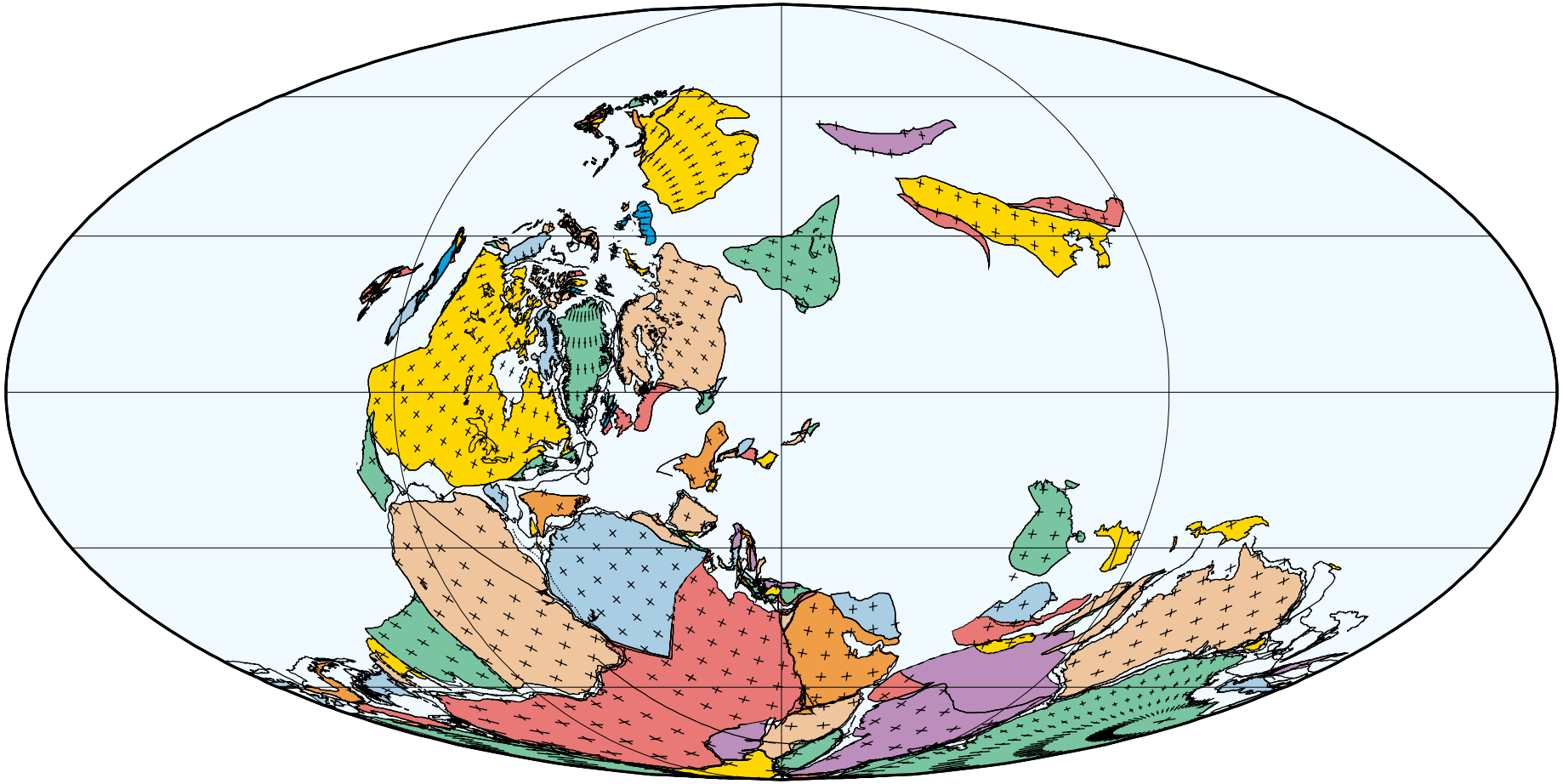

340 Ma

Early Visean (Mississippian)

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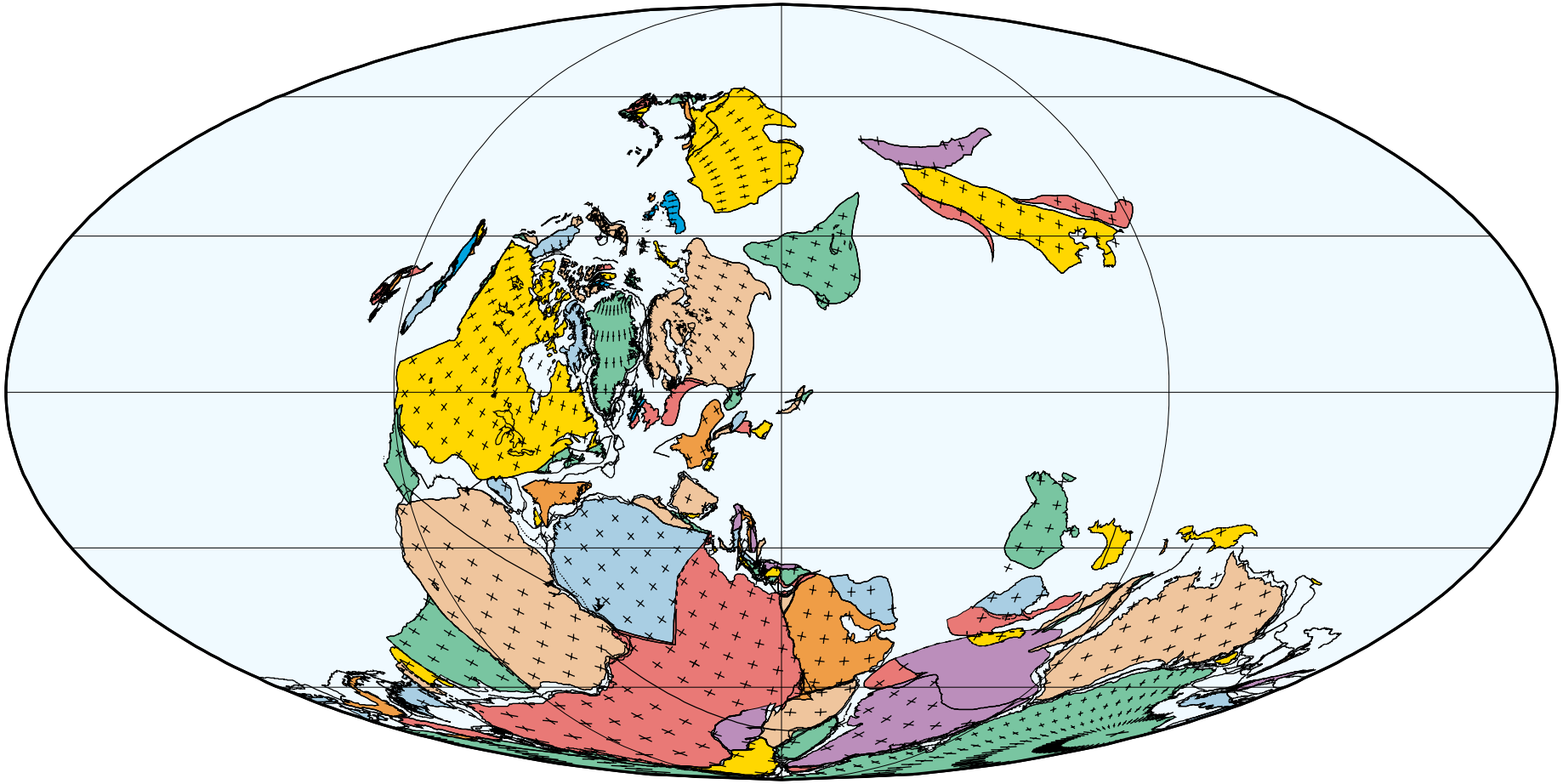

330 Ma

Visean (Mississippian)

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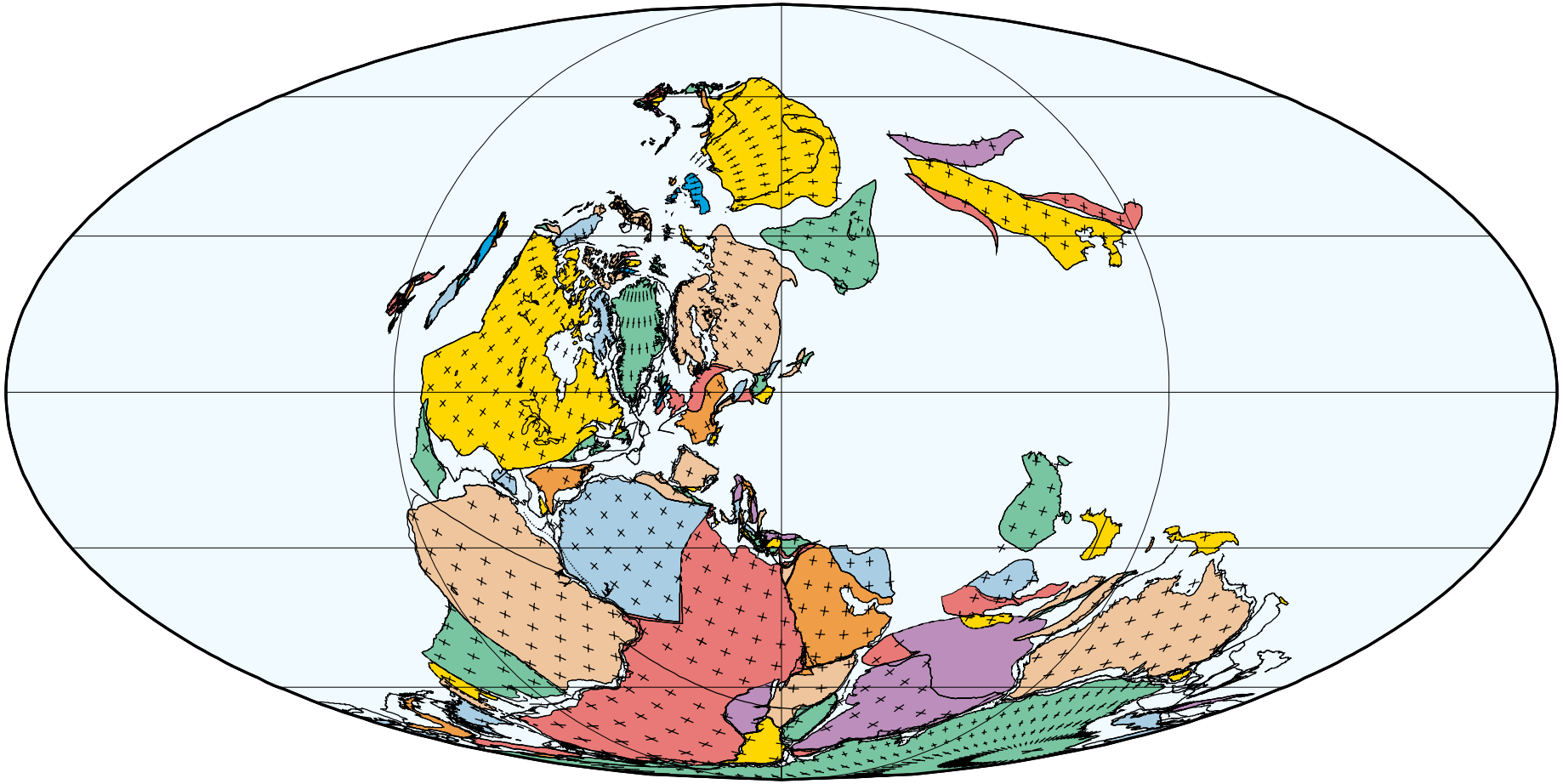

320 Ma

Bashkirian (Pennsylvanian)

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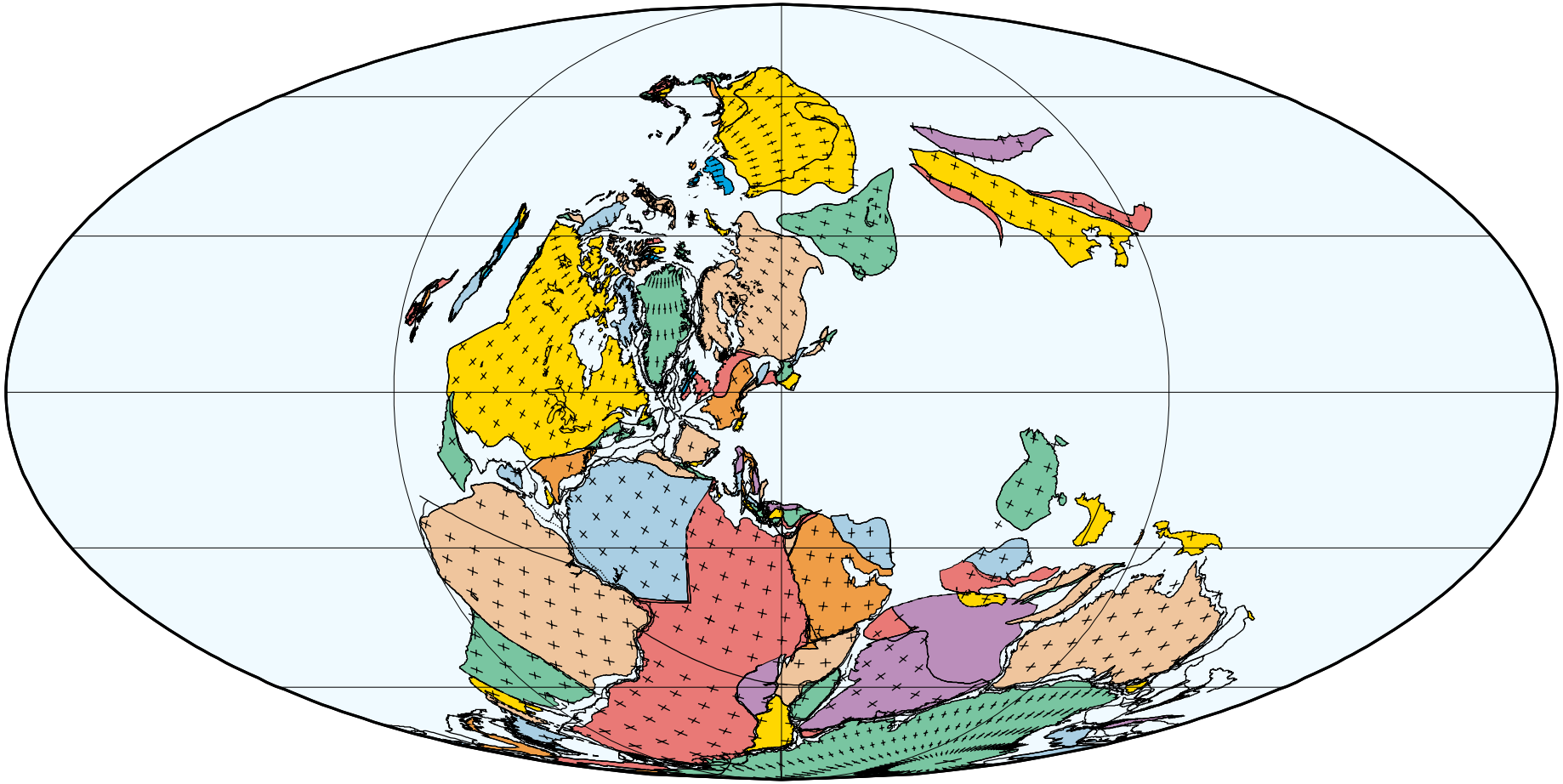

310 Ma

Moscovian (Pennsylvanian)

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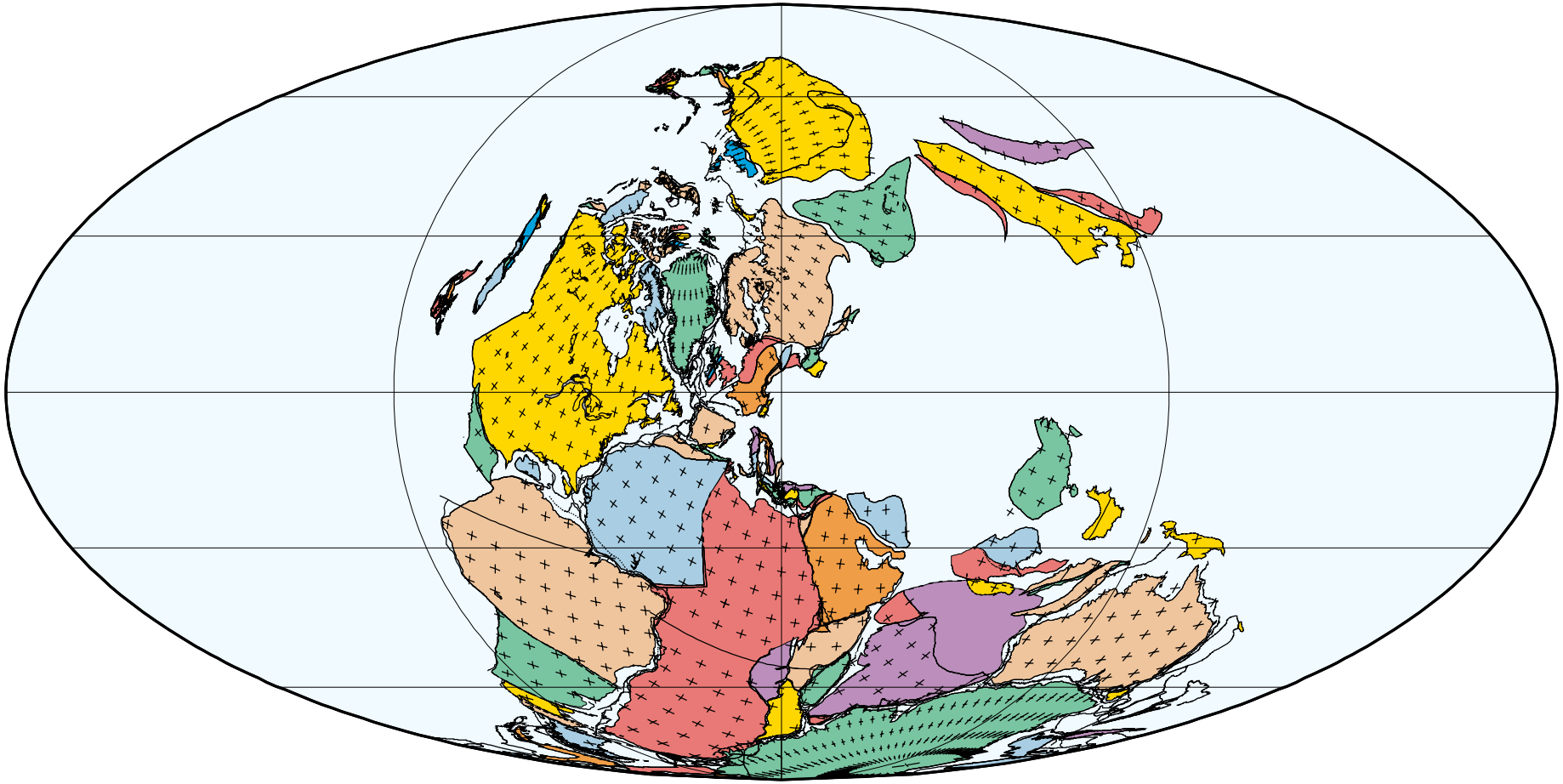

300 Ma

Kasimovian (Pennsylvanian)

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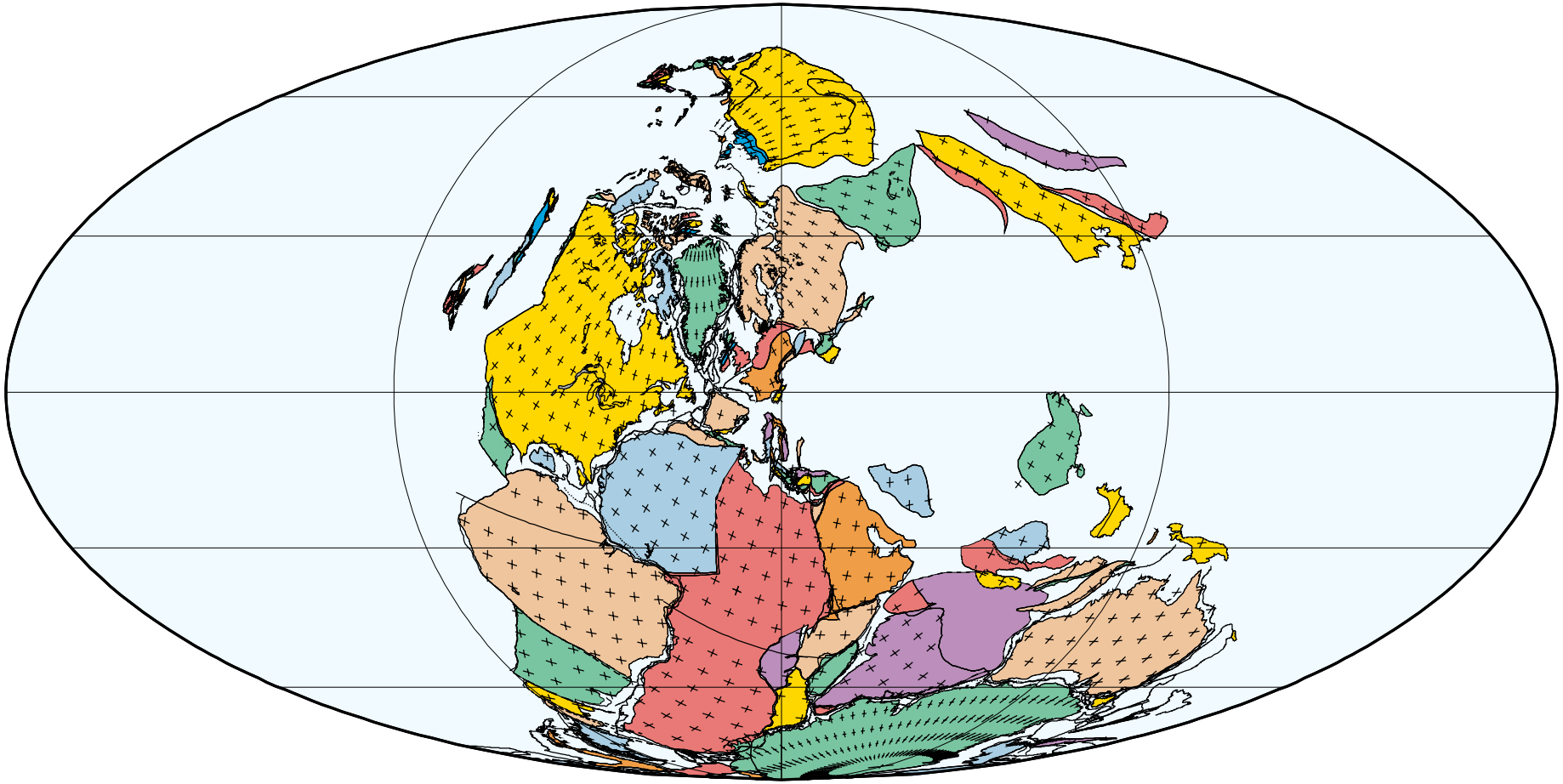

290 Ma

Late Gzelian/Early Asselian (Pennsylvanian/Permian)

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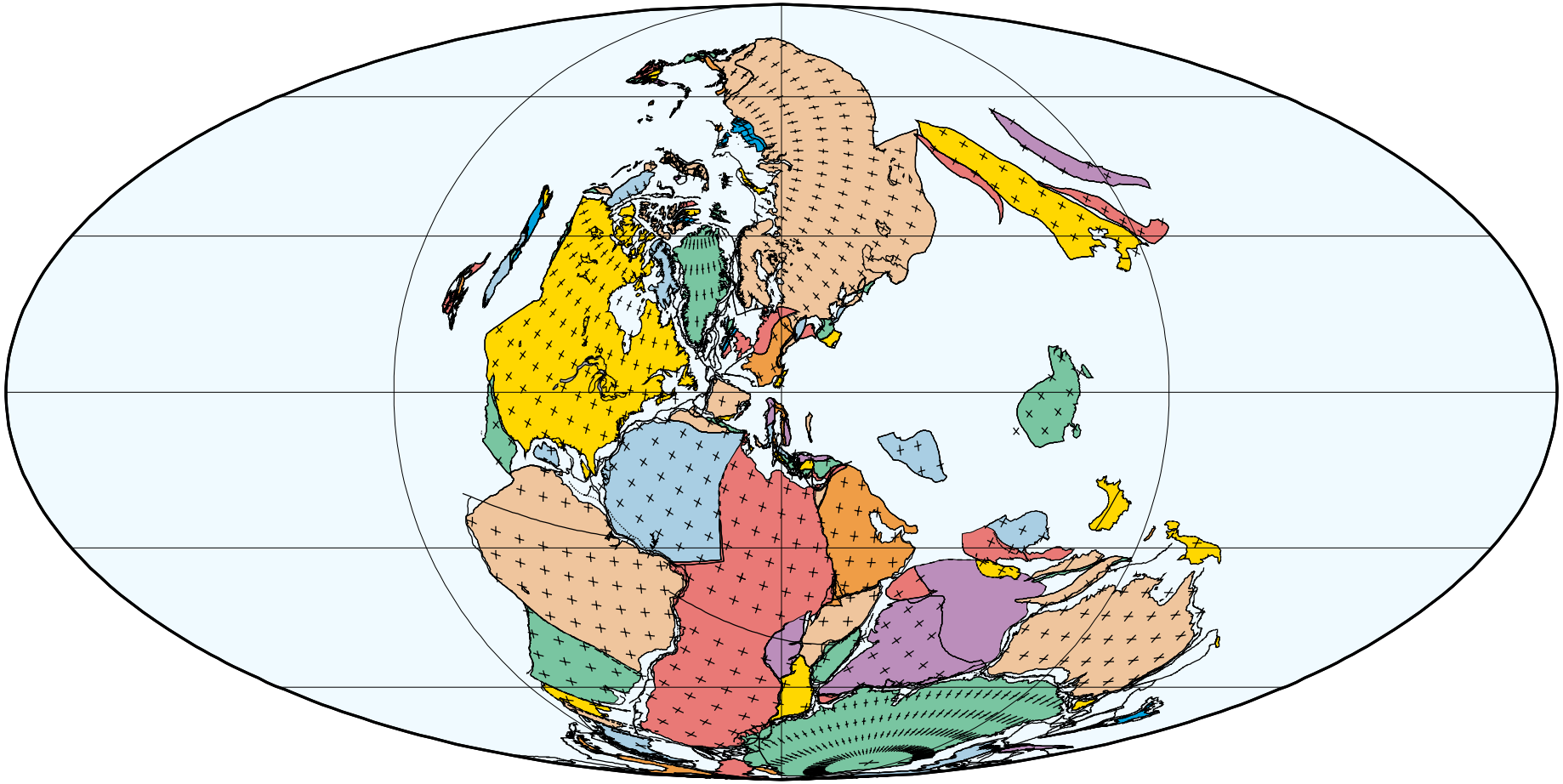

280 Ma

Early Sakmarian (Early Permian)

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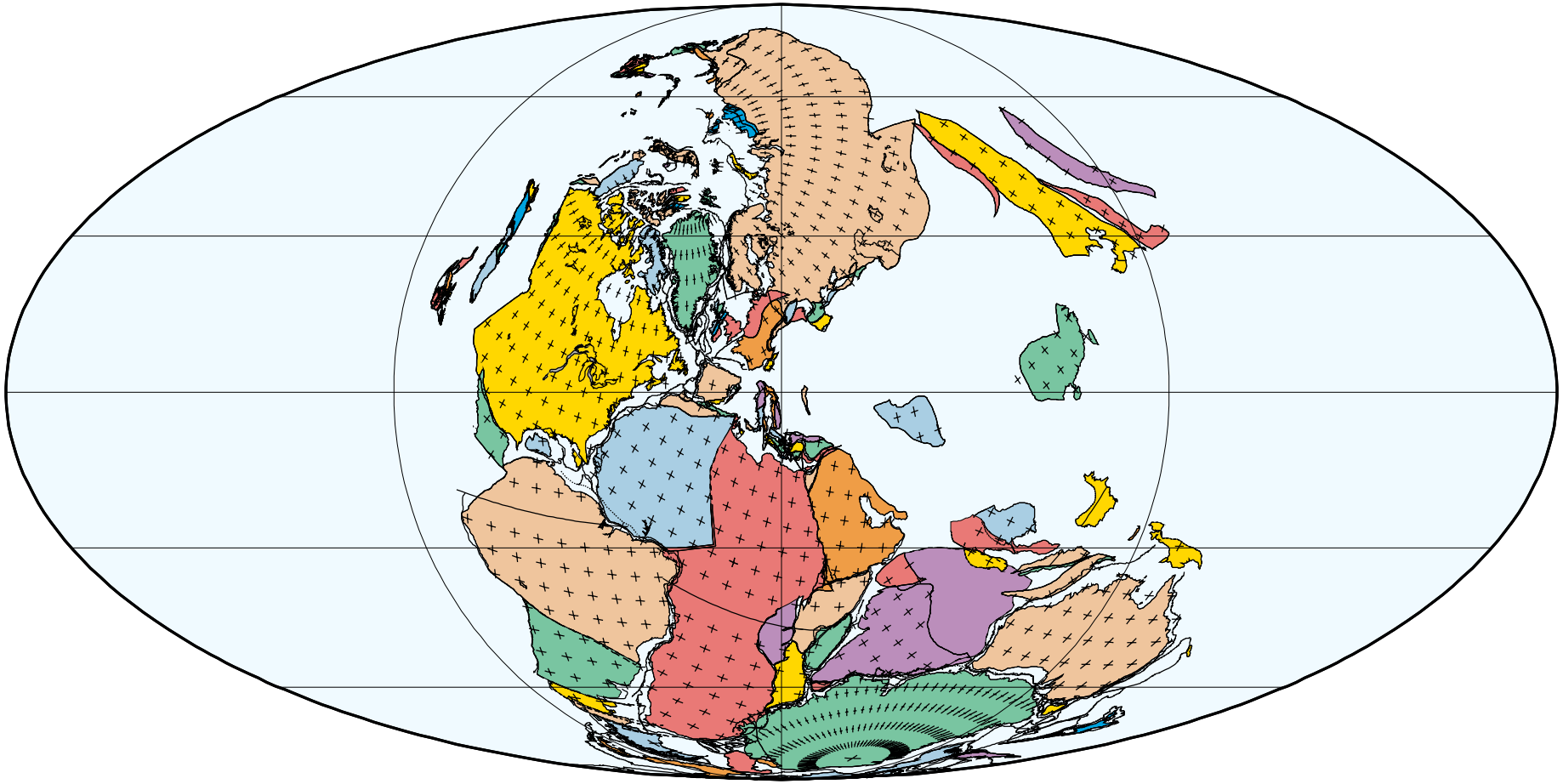

270 Ma

Late Sakmarian (Early Permian

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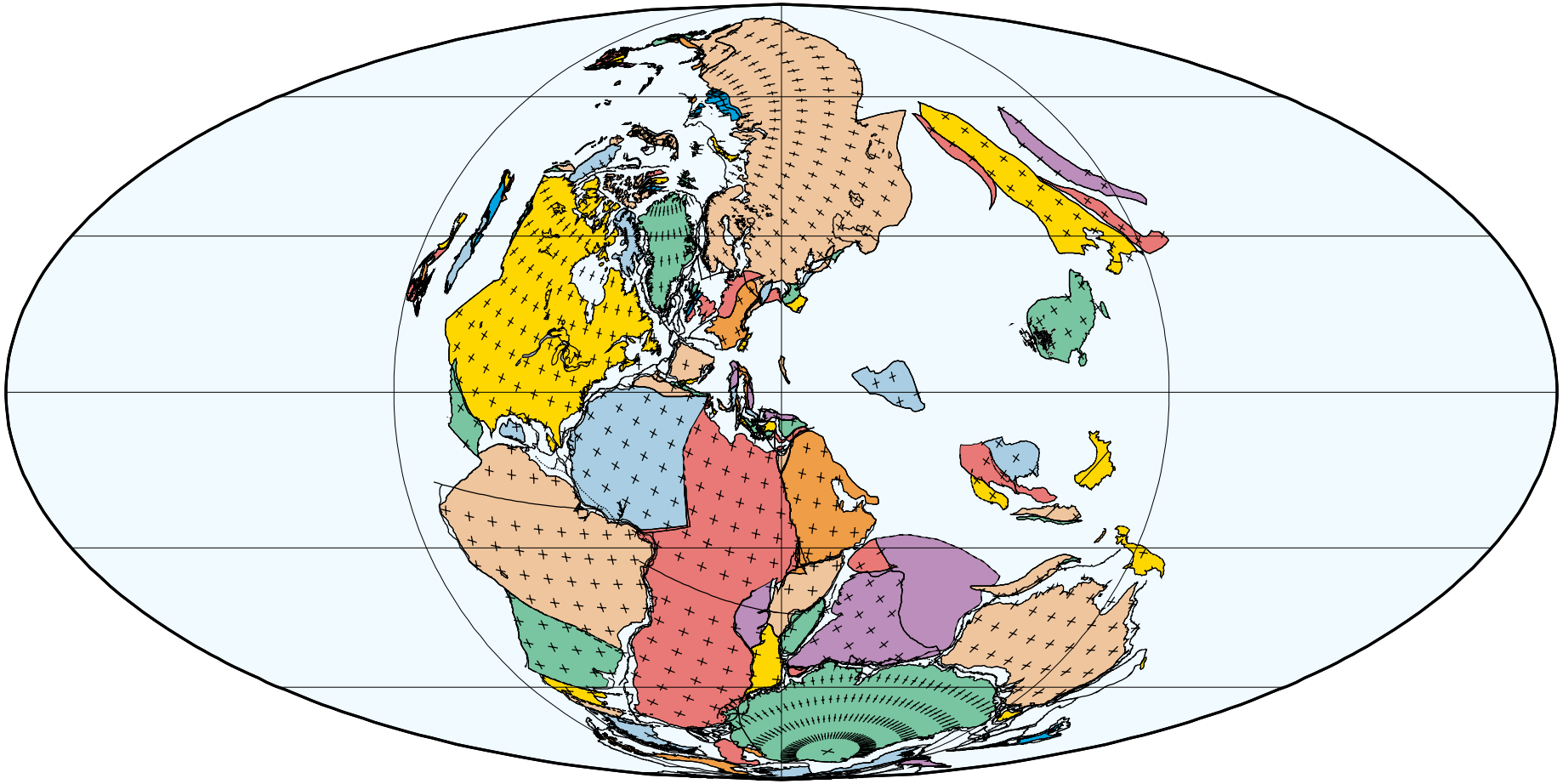

260 Ma

Late Artinskian/Early Kungurian (Early Permian)

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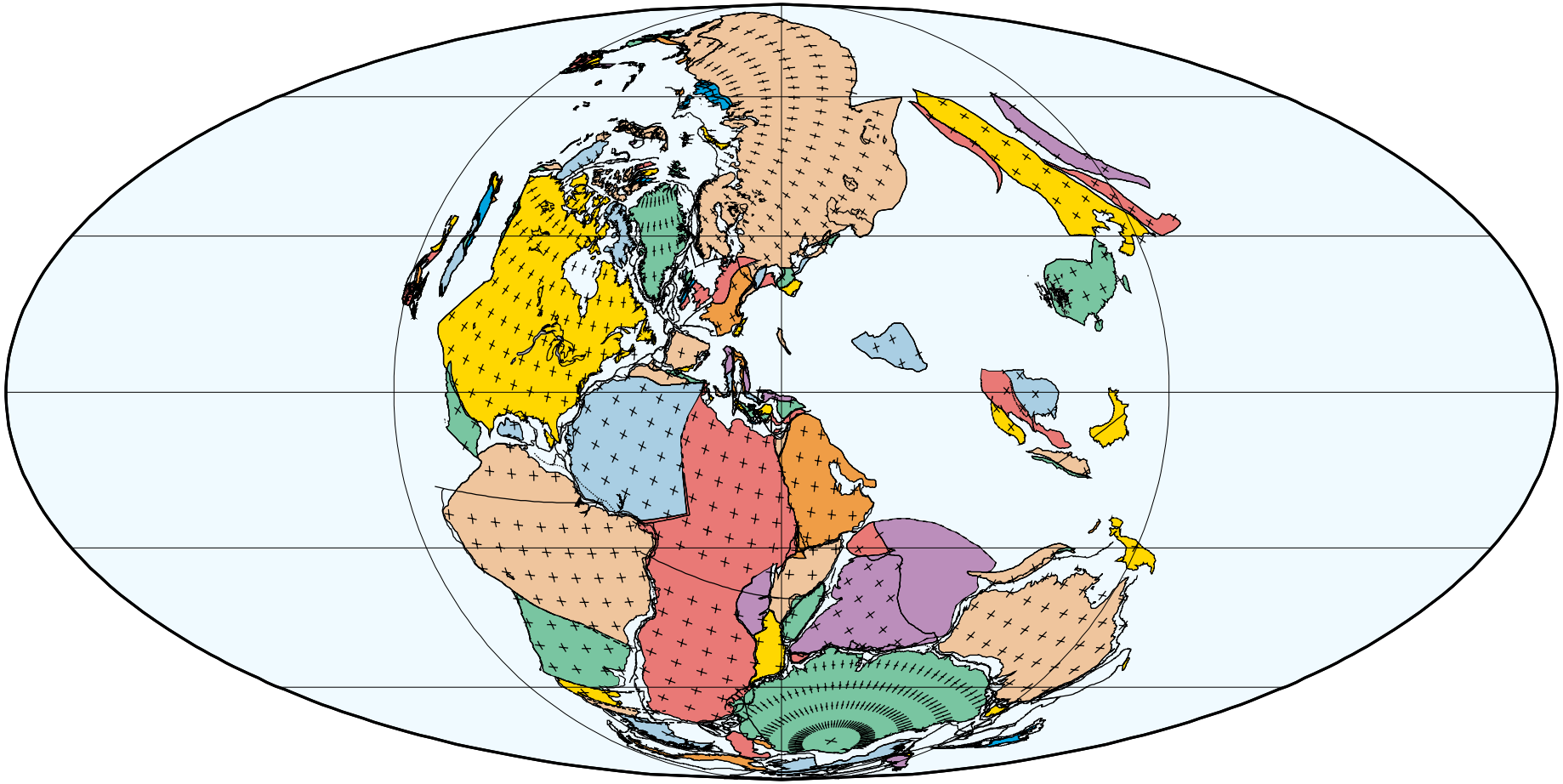

250 Ma

Tatarian (Late Permian)

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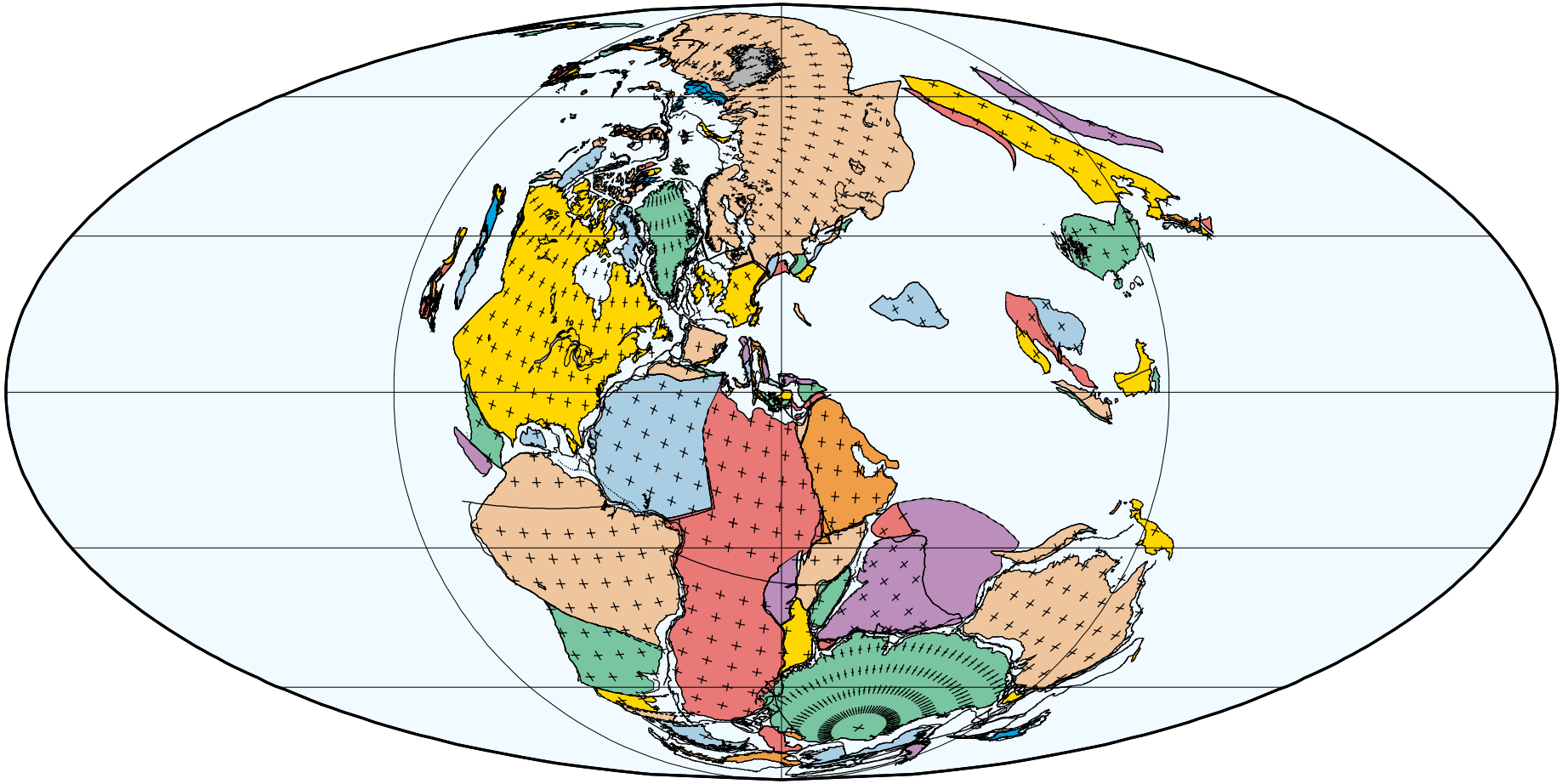

240 Ma

Anisian (Middle Triassic)

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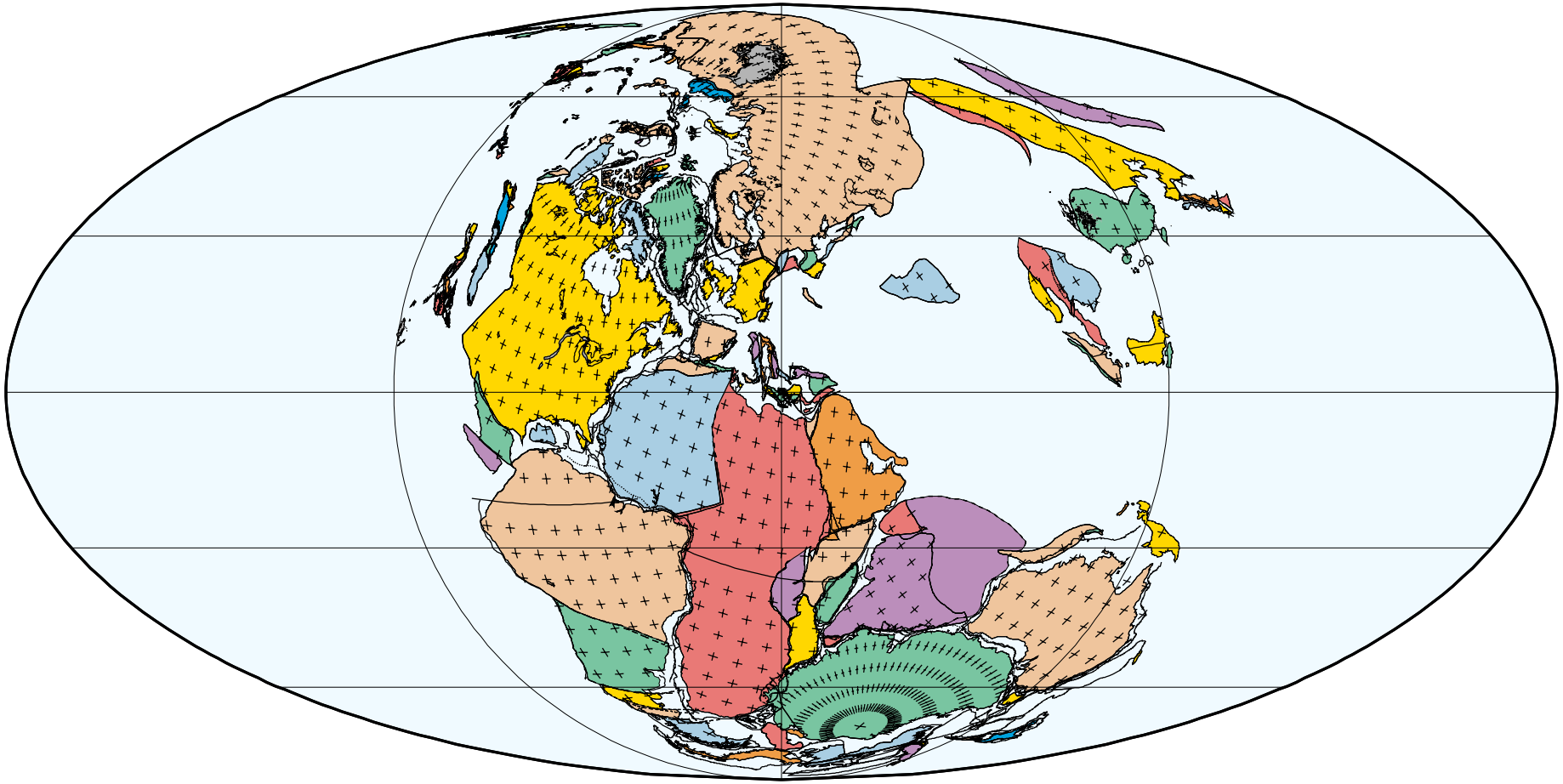

230 Ma

Ladinian (Middle Triassic)

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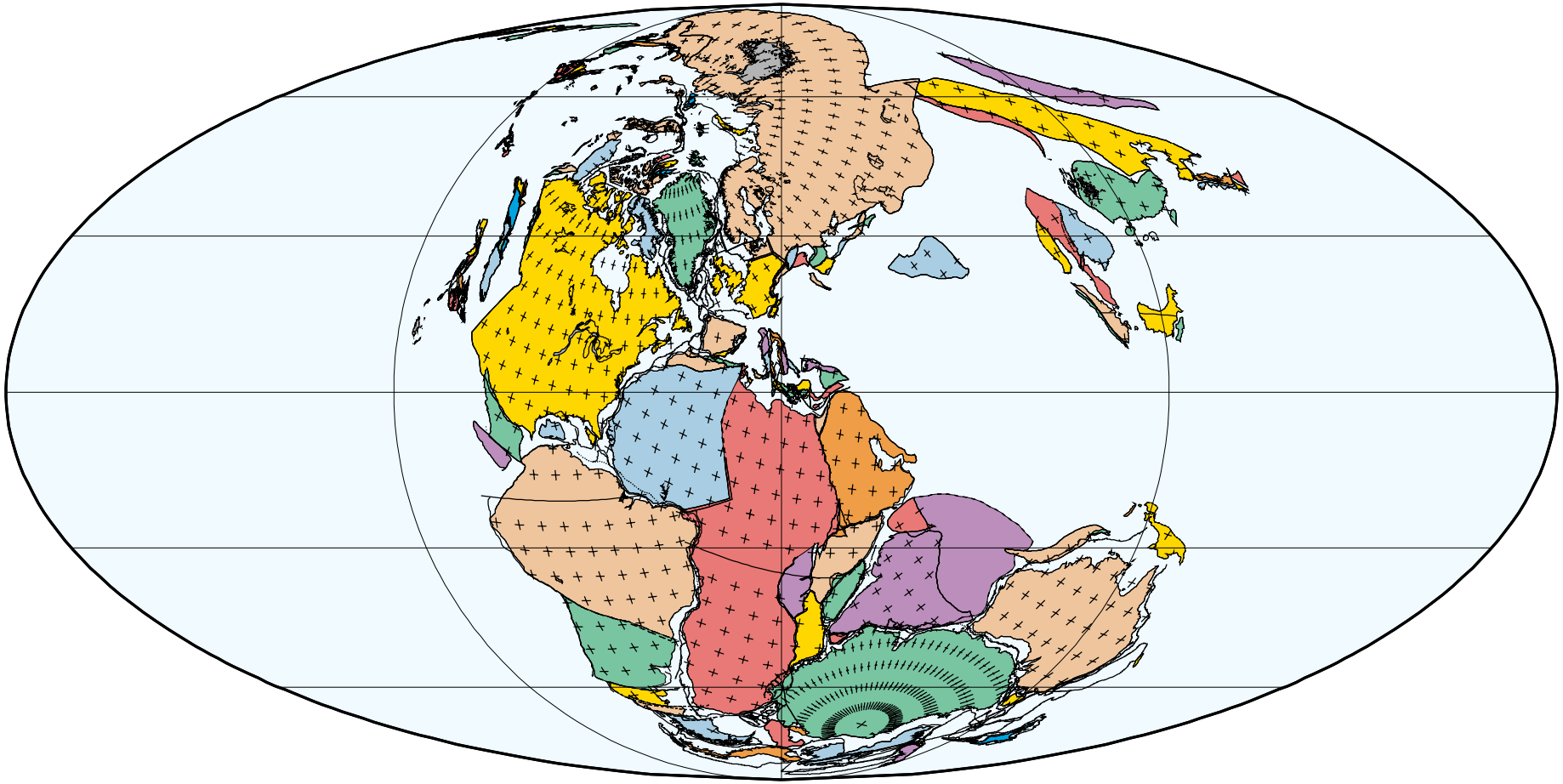

220 Ma

Early Norian (Late Triassic)

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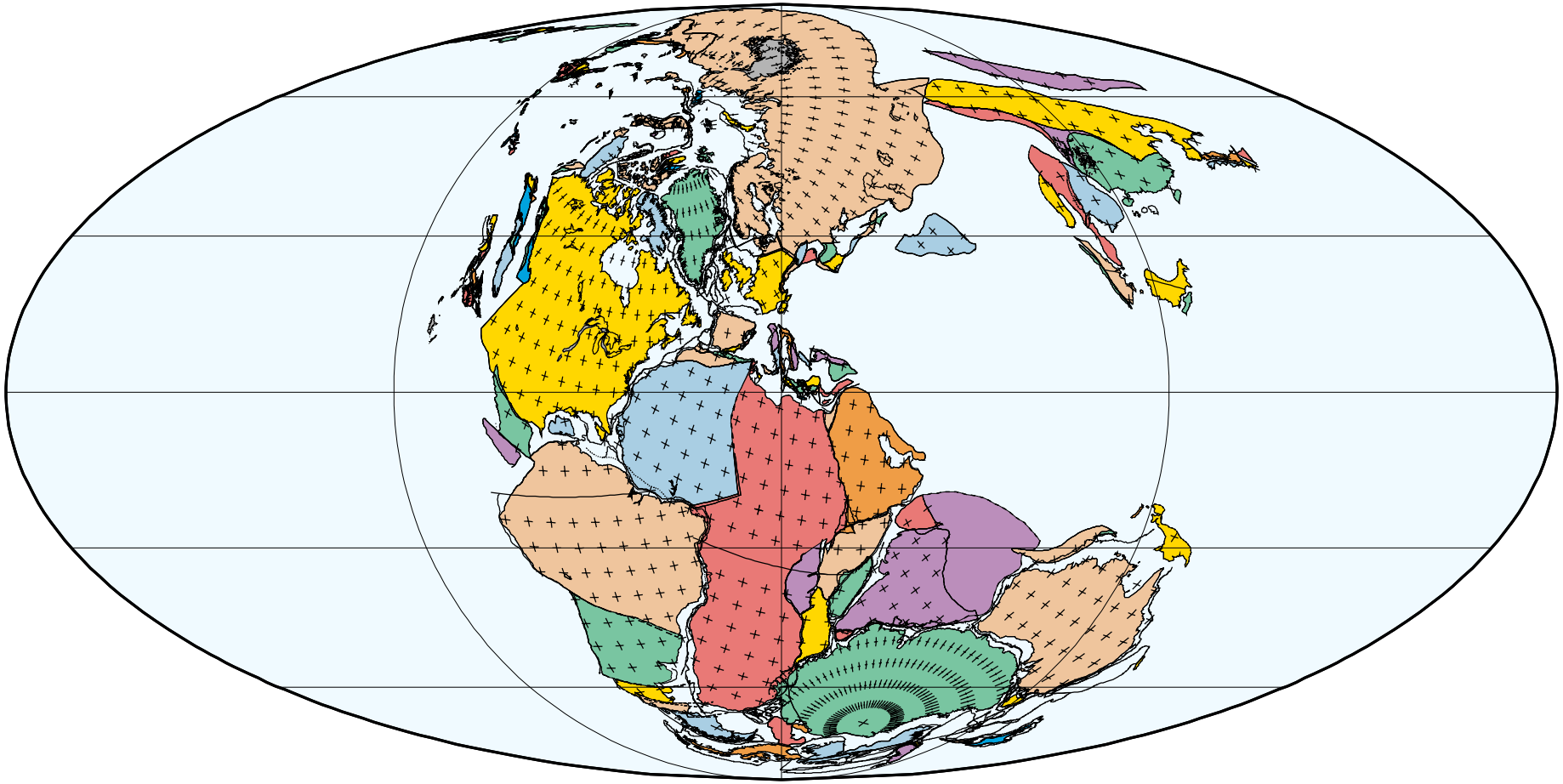

210 Ma

Late Norian (Late Triassic)

PLATES/UTIG

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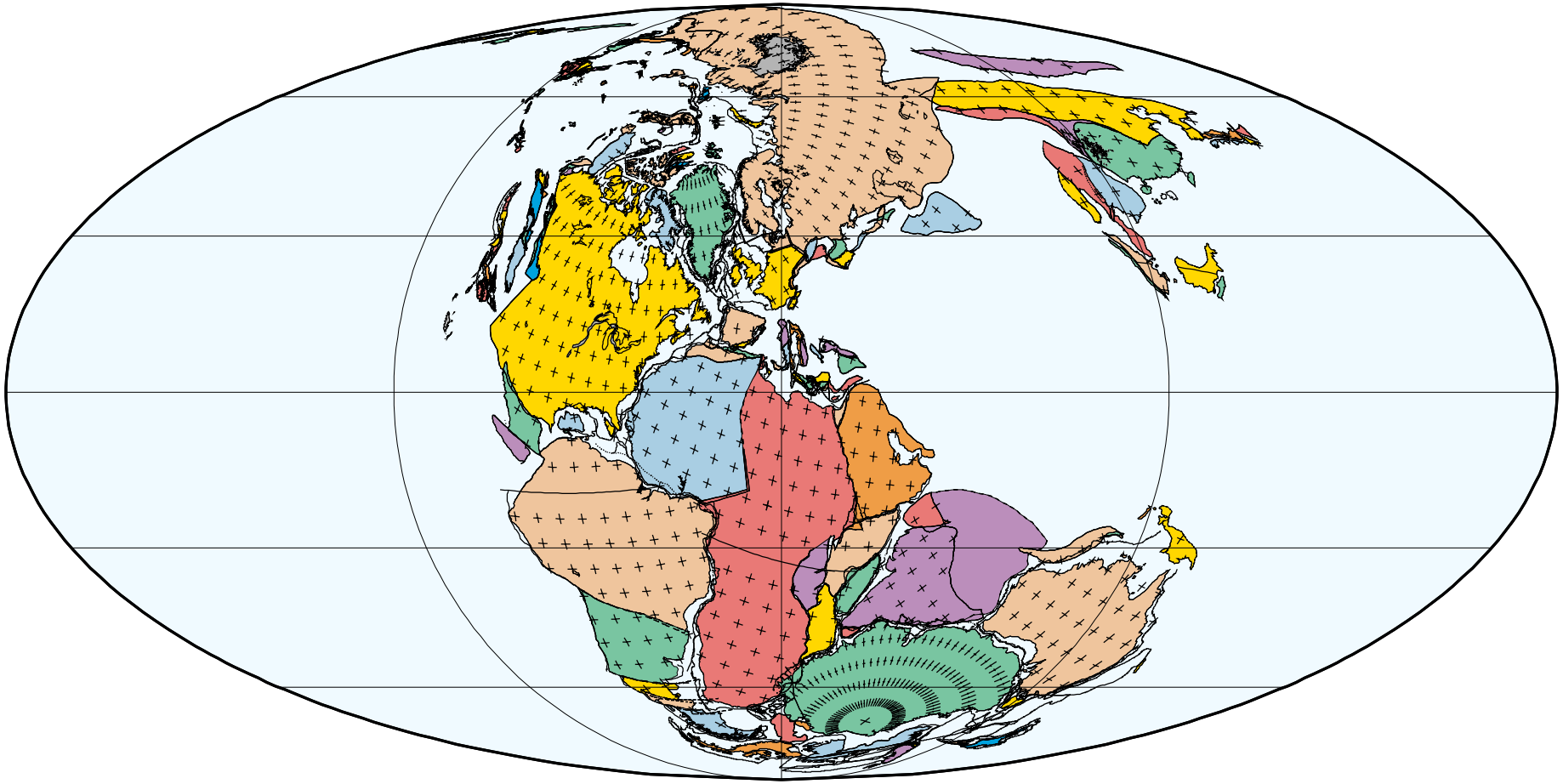

200 Ma

Sinemurian (Early Jurassic)

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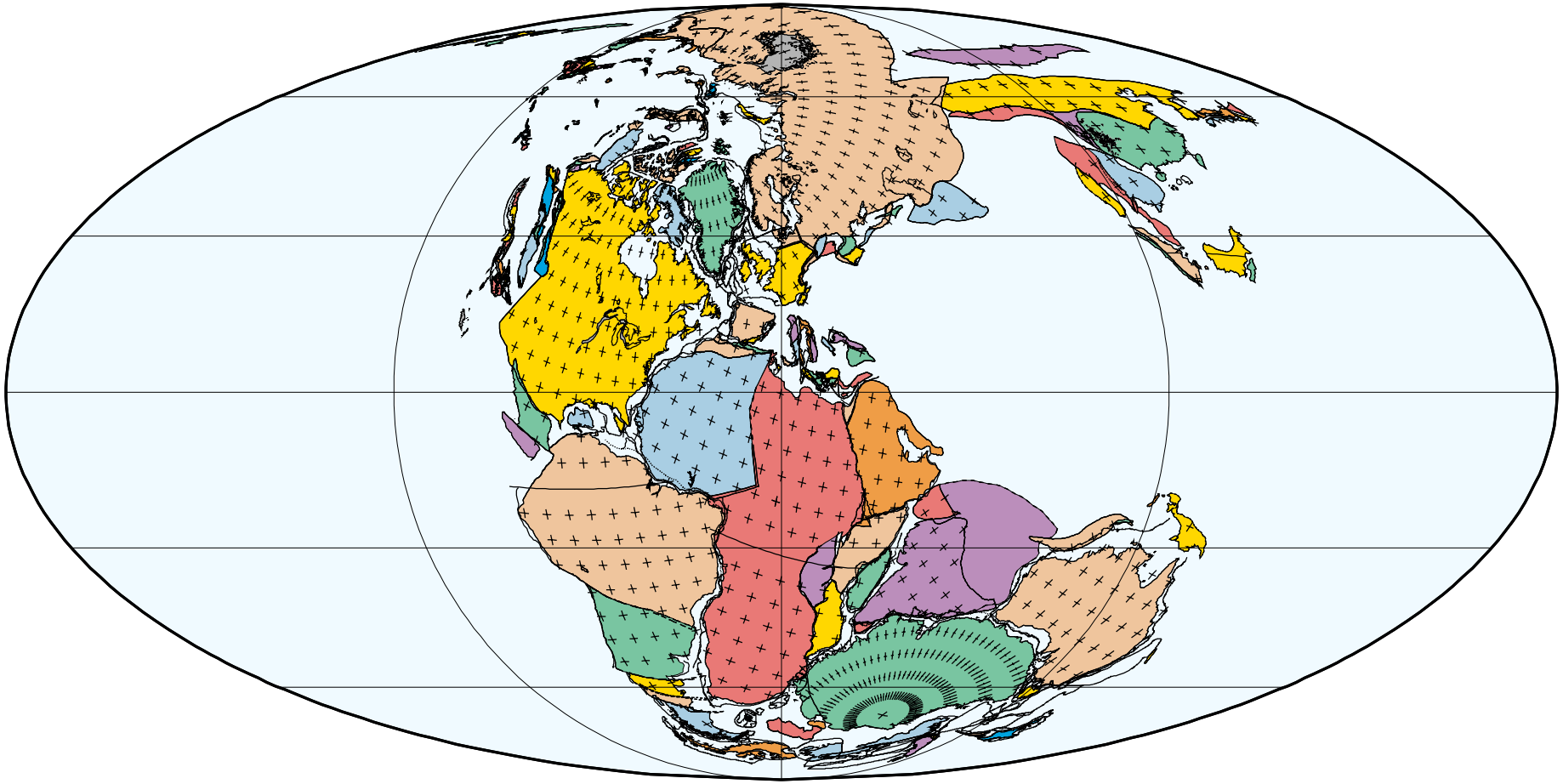

190 Ma

Pliensbachian (Early Jurassic)

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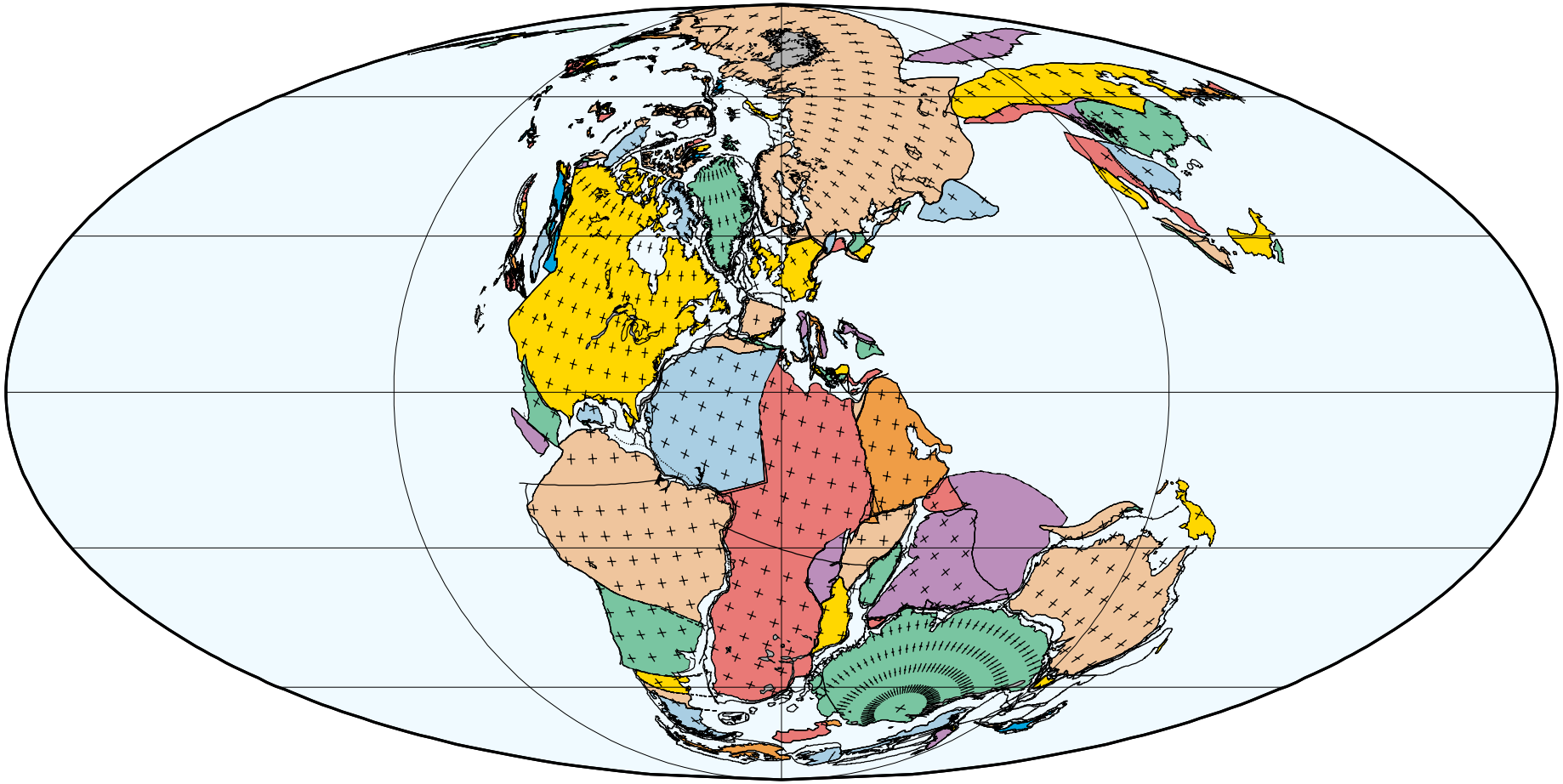

180 Ma

Aalenian (Middle Jurassic)

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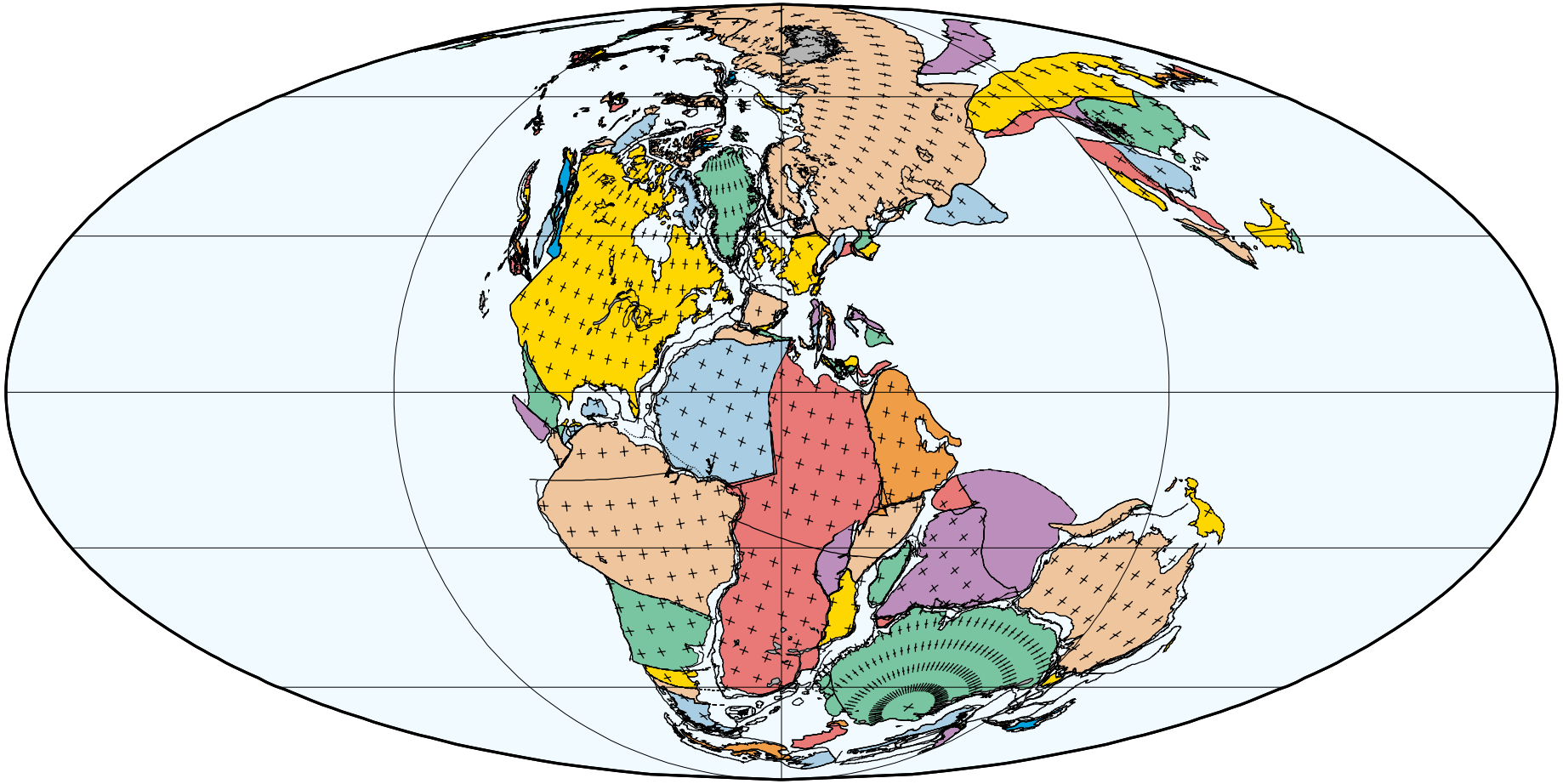

170 Ma

Bajocian (Middle Jurassic)

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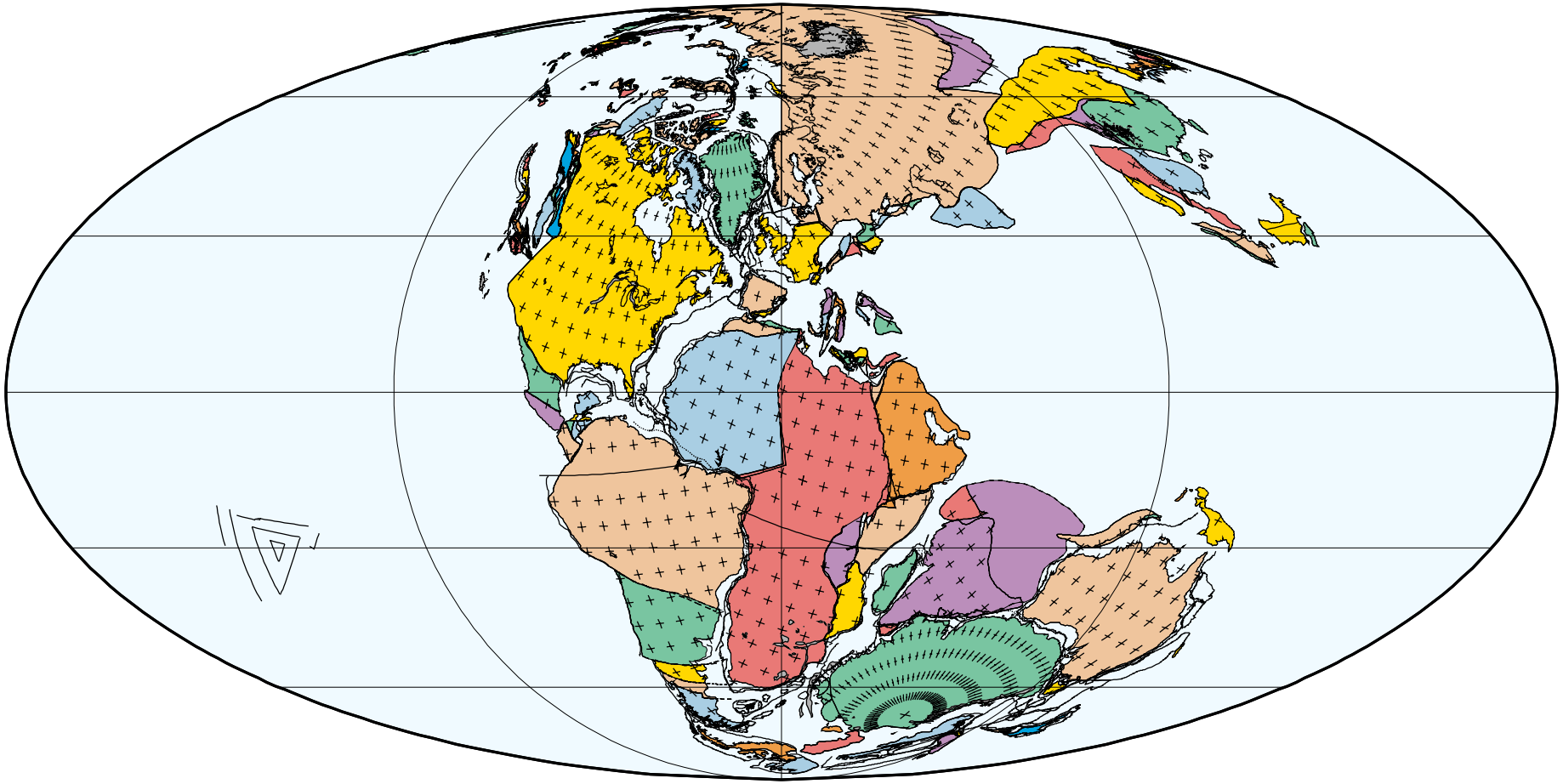

160 Ma

Callovian (Middle Jurassic)

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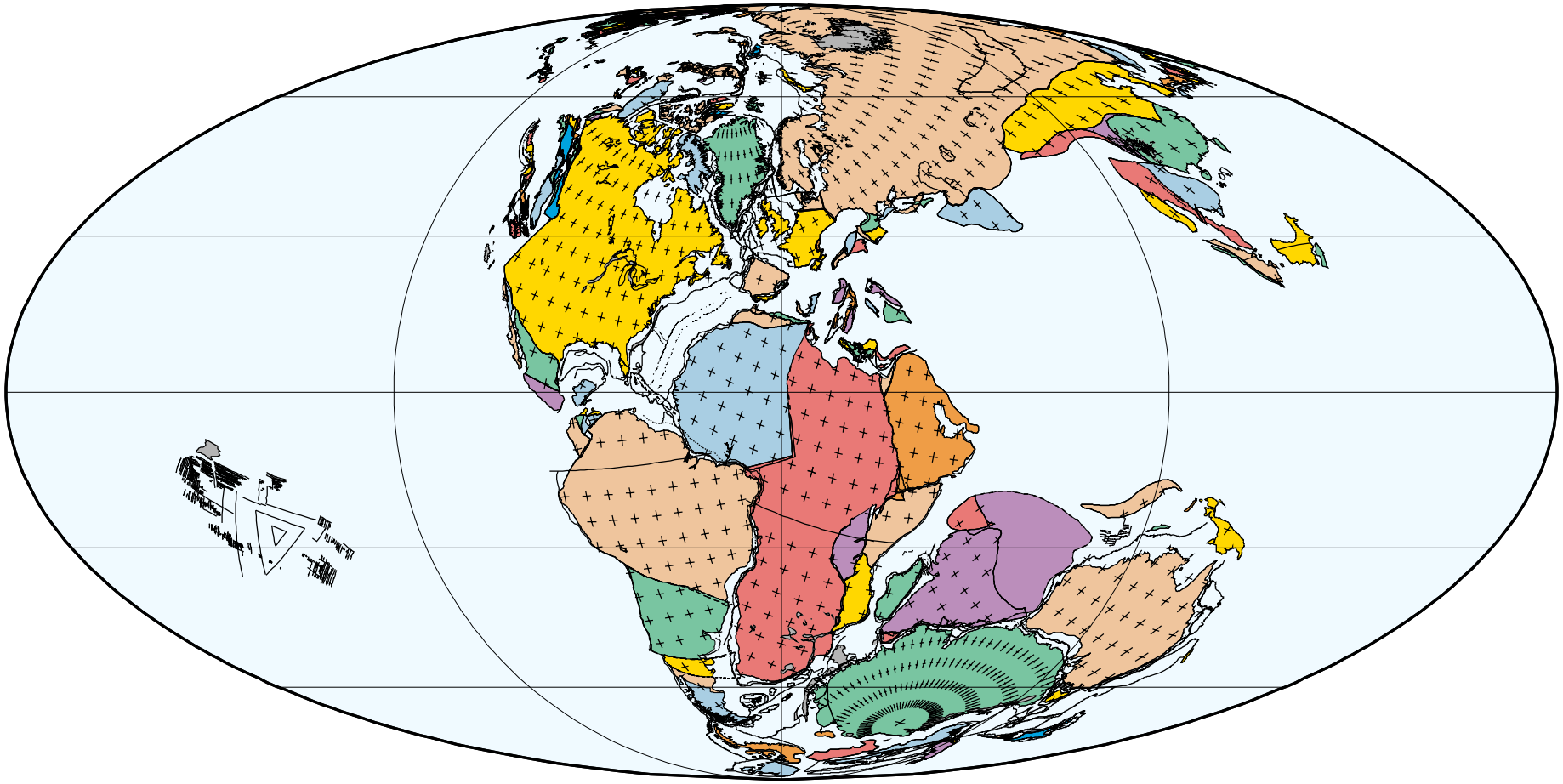

150 Ma

Volgian (Late Jurassic)

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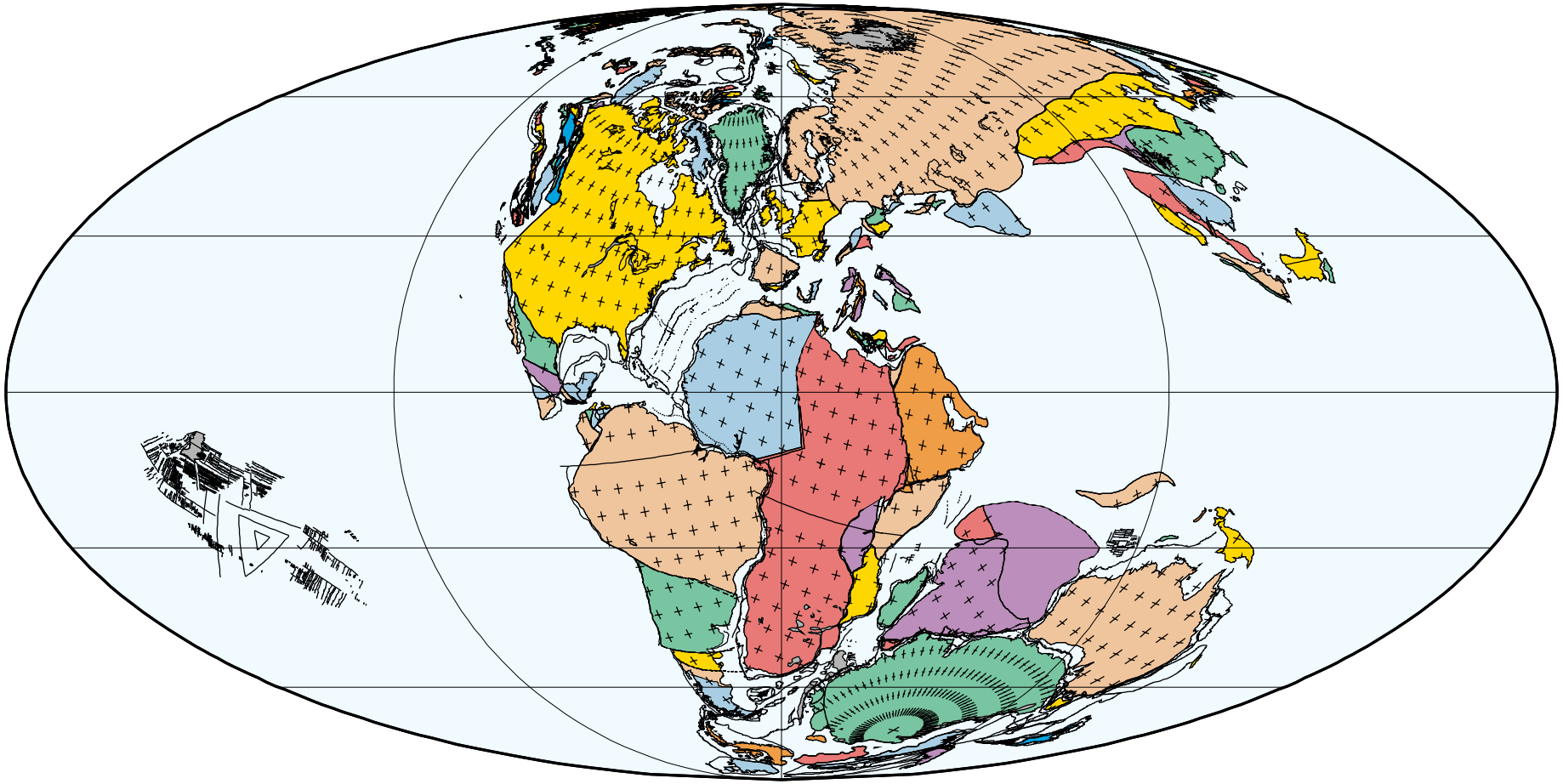

140 Ma

Ryazanian (Early Cretaceous)

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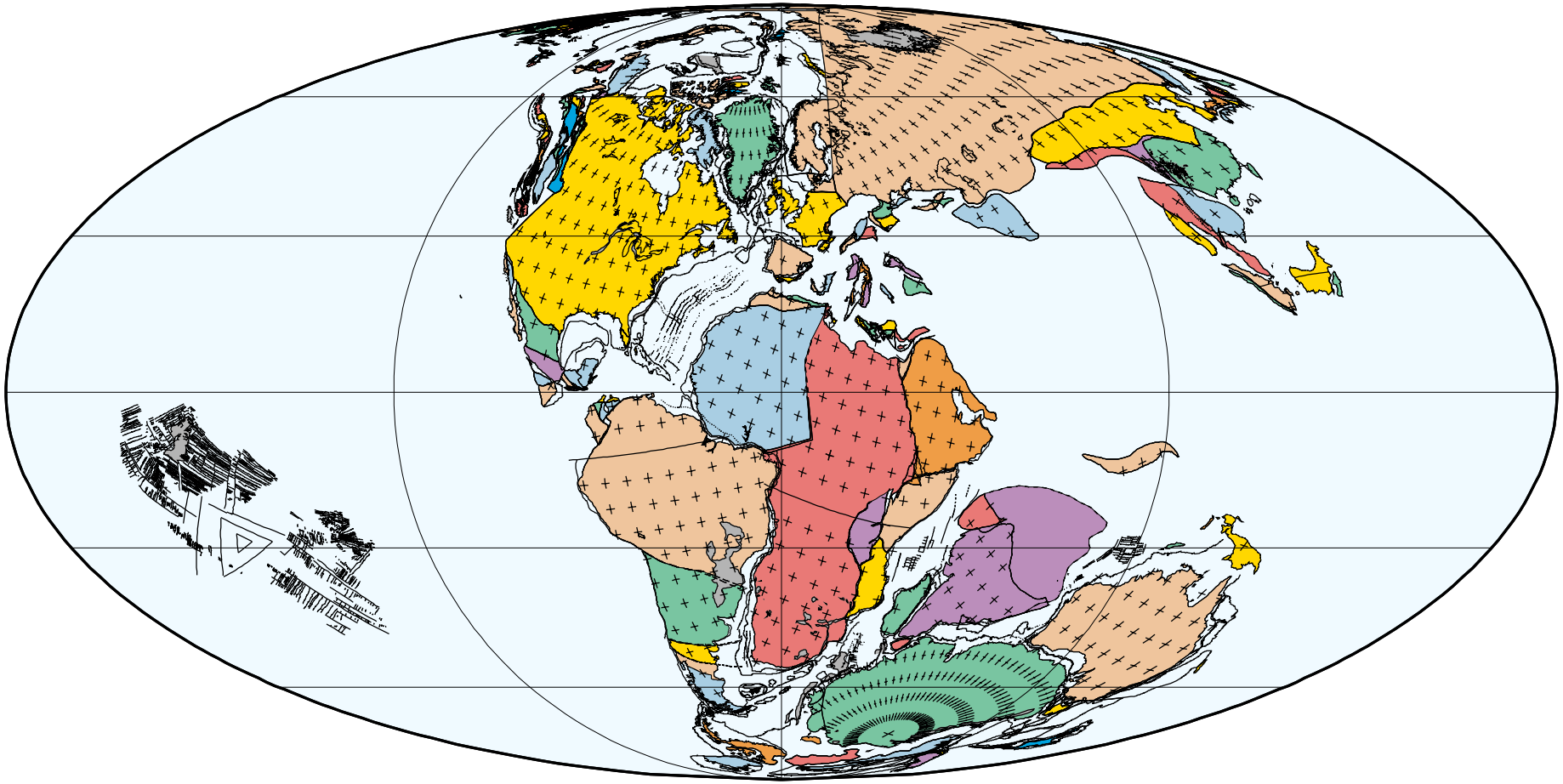

130 Ma

Hauterivian (Early Cretaceous)

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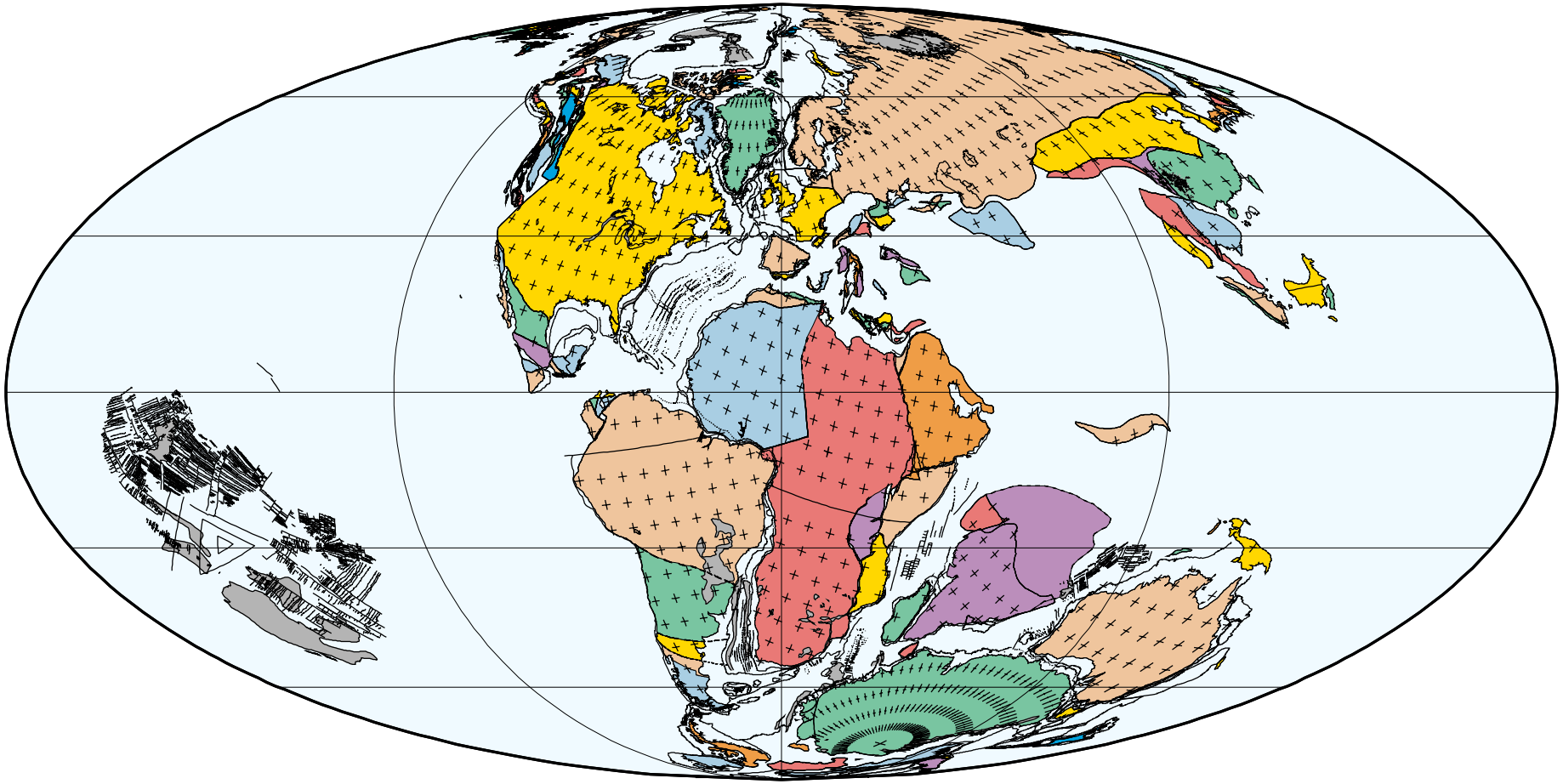

120 Ma

Aptian (Early Cretaceous)

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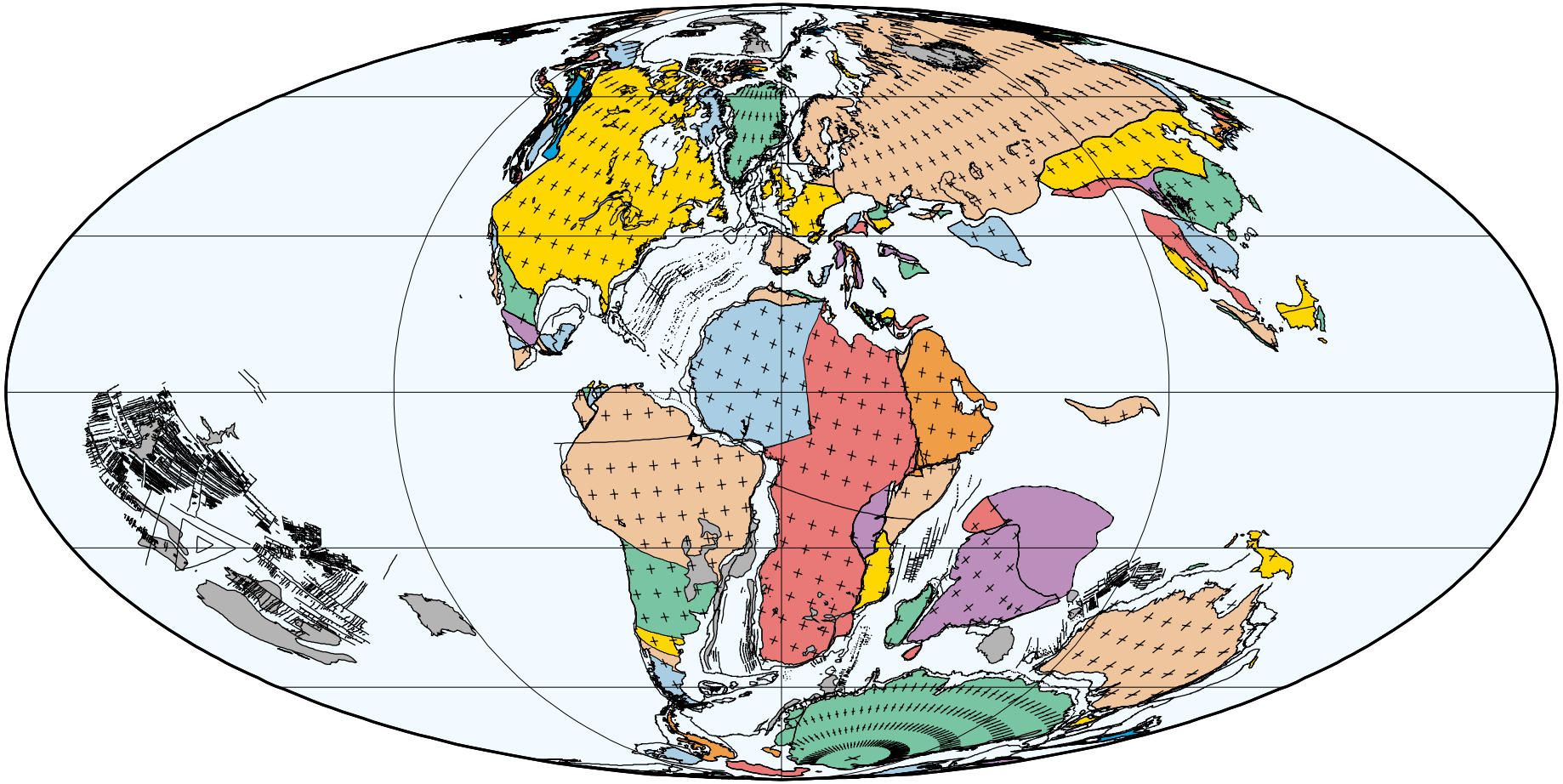

110 Ma

Early Albian (Early Cretaceous)

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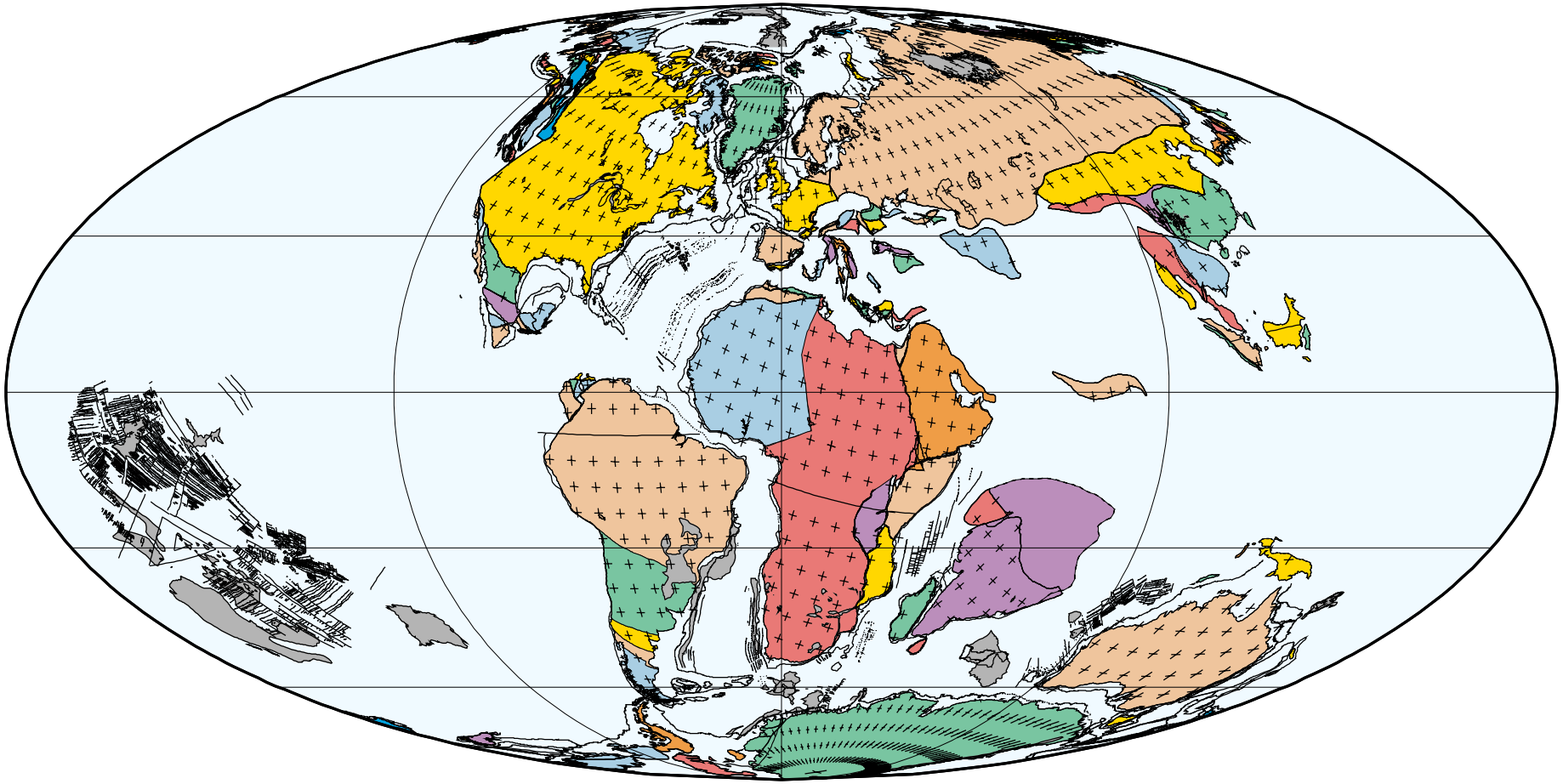
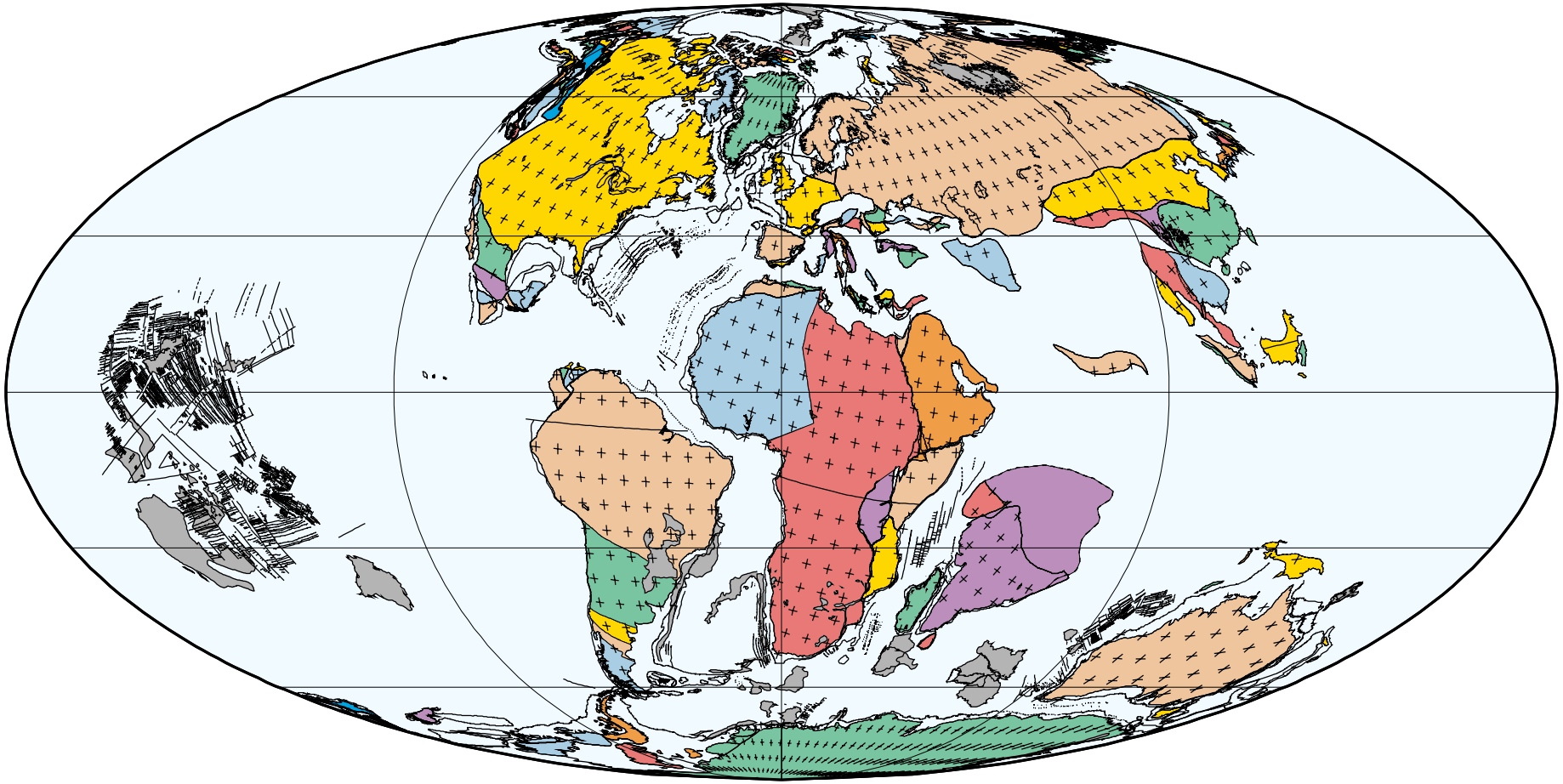


100 Ma

Late Albian (Early Cretaceous)

PLATES/UTIG

September 2004

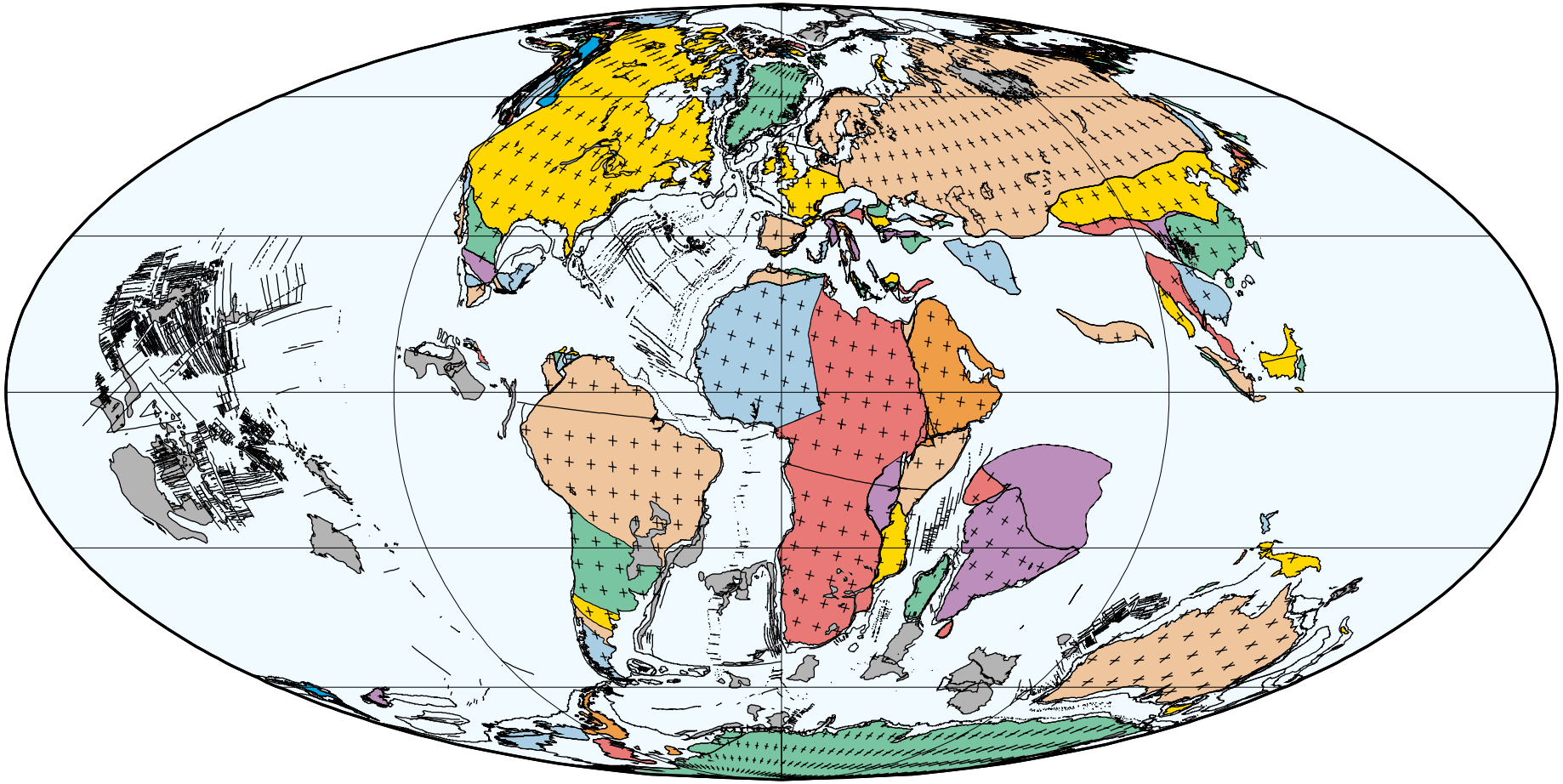


090 Ma

Turonian (Late Cretaceous)

PLATES/UTIG

September 2004

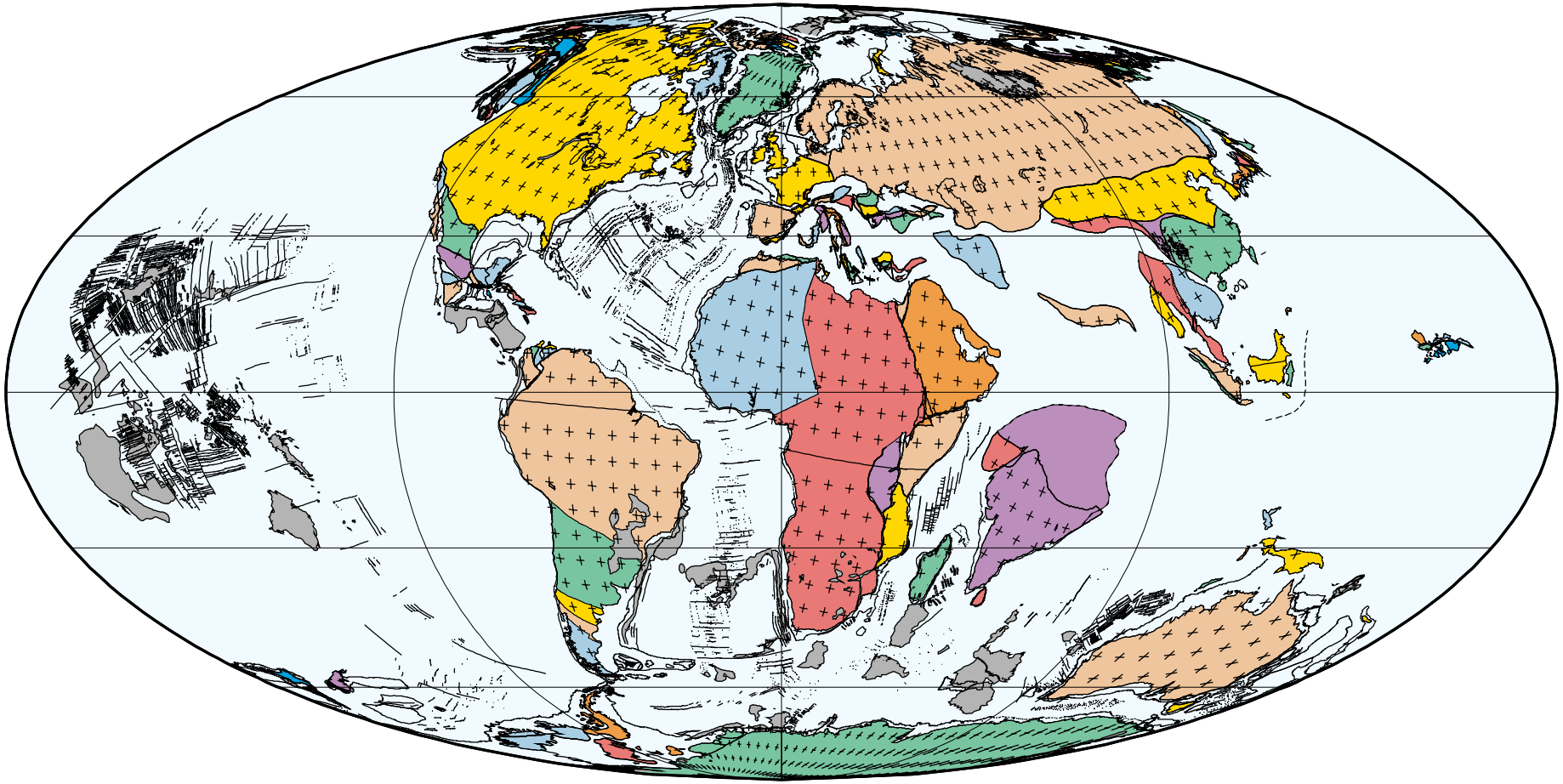


080 Ma

Campanian (Late Cretaceous)

PLATES/UTIG

September 2004

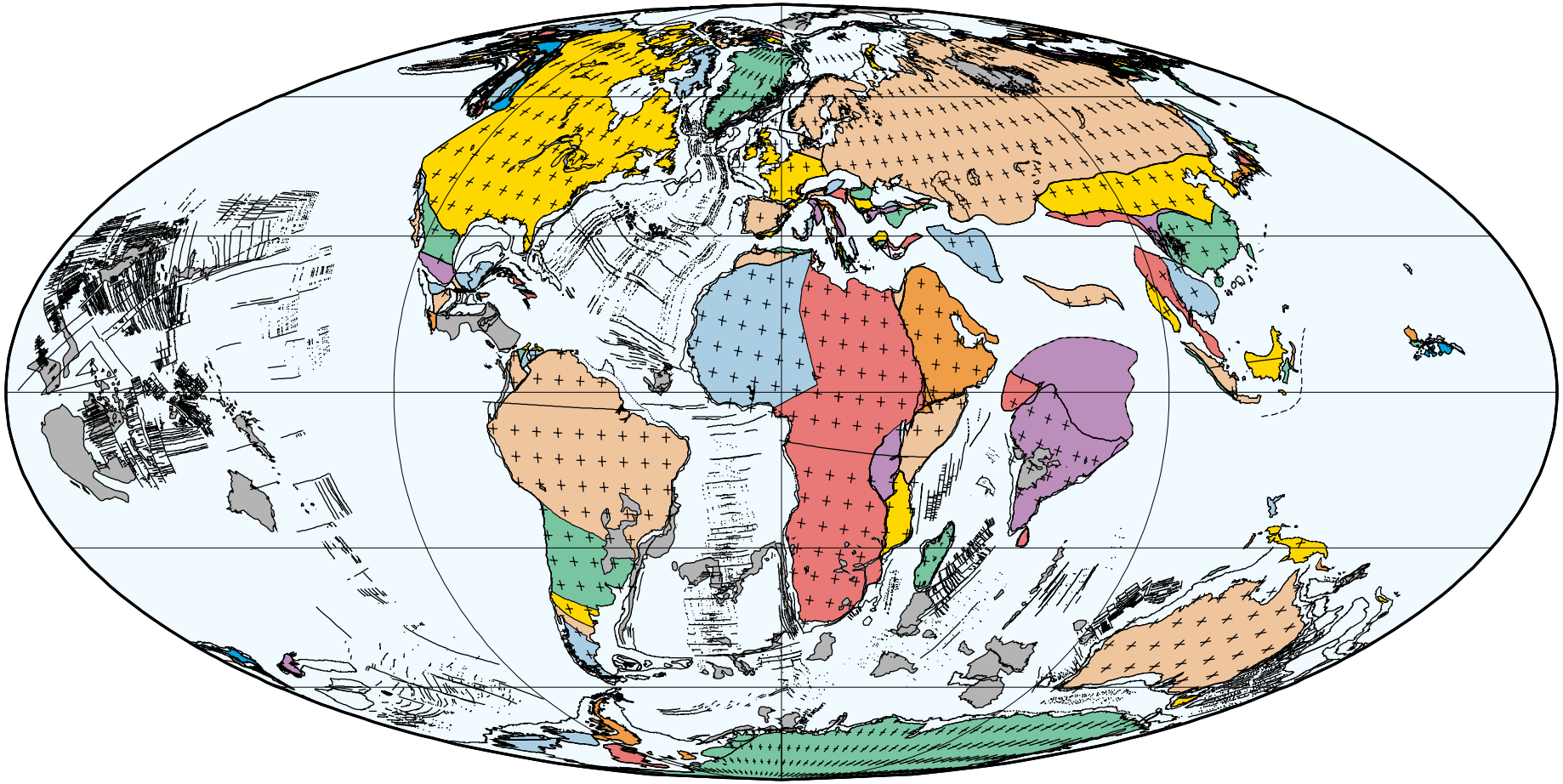


070 Ma

Maastrichtian (Late Cretaceous)

PLATES/UTIG

September 2004

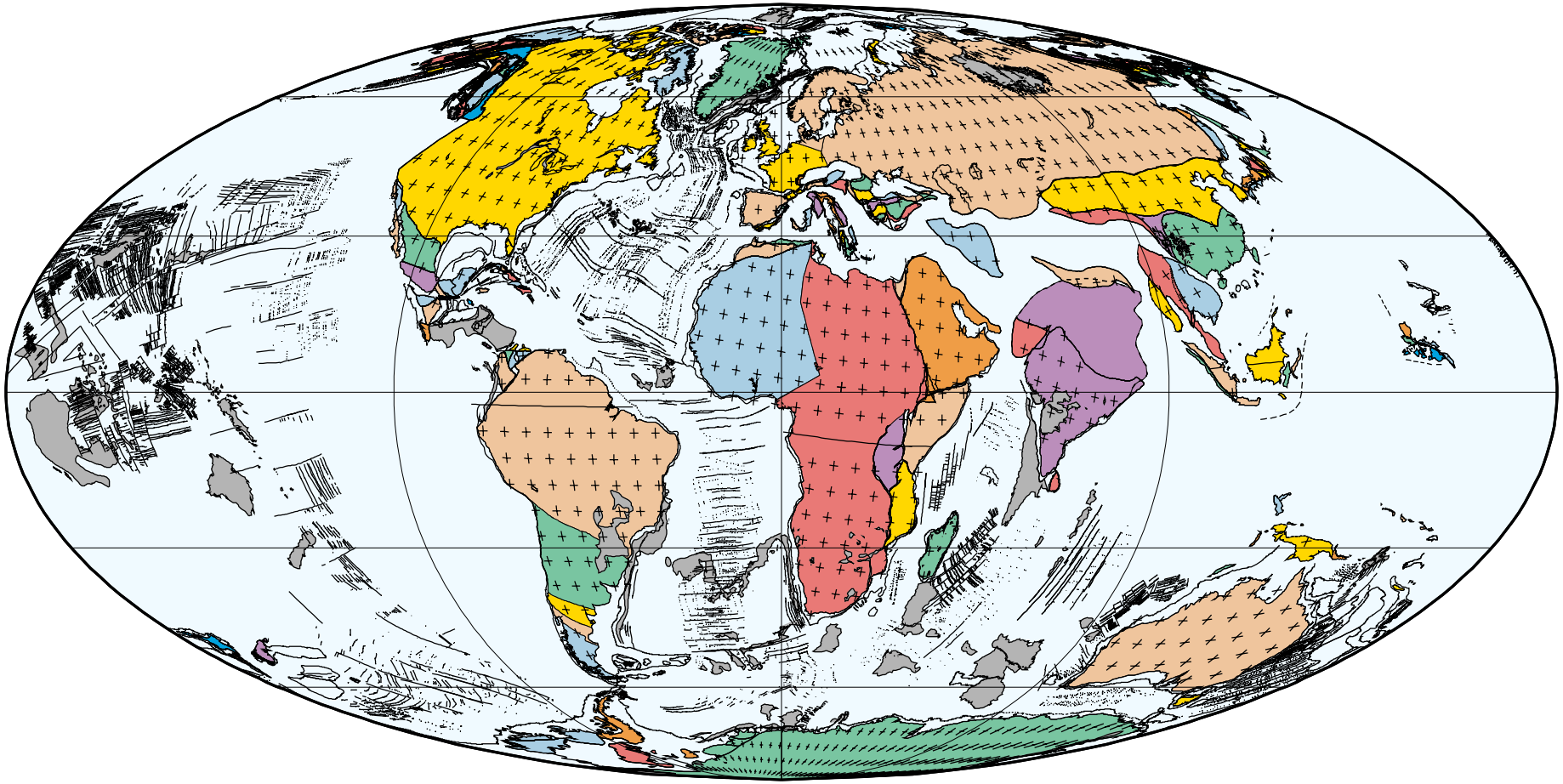


060 Ma

Late Paleocene

PLATES/UTIG

September 2004

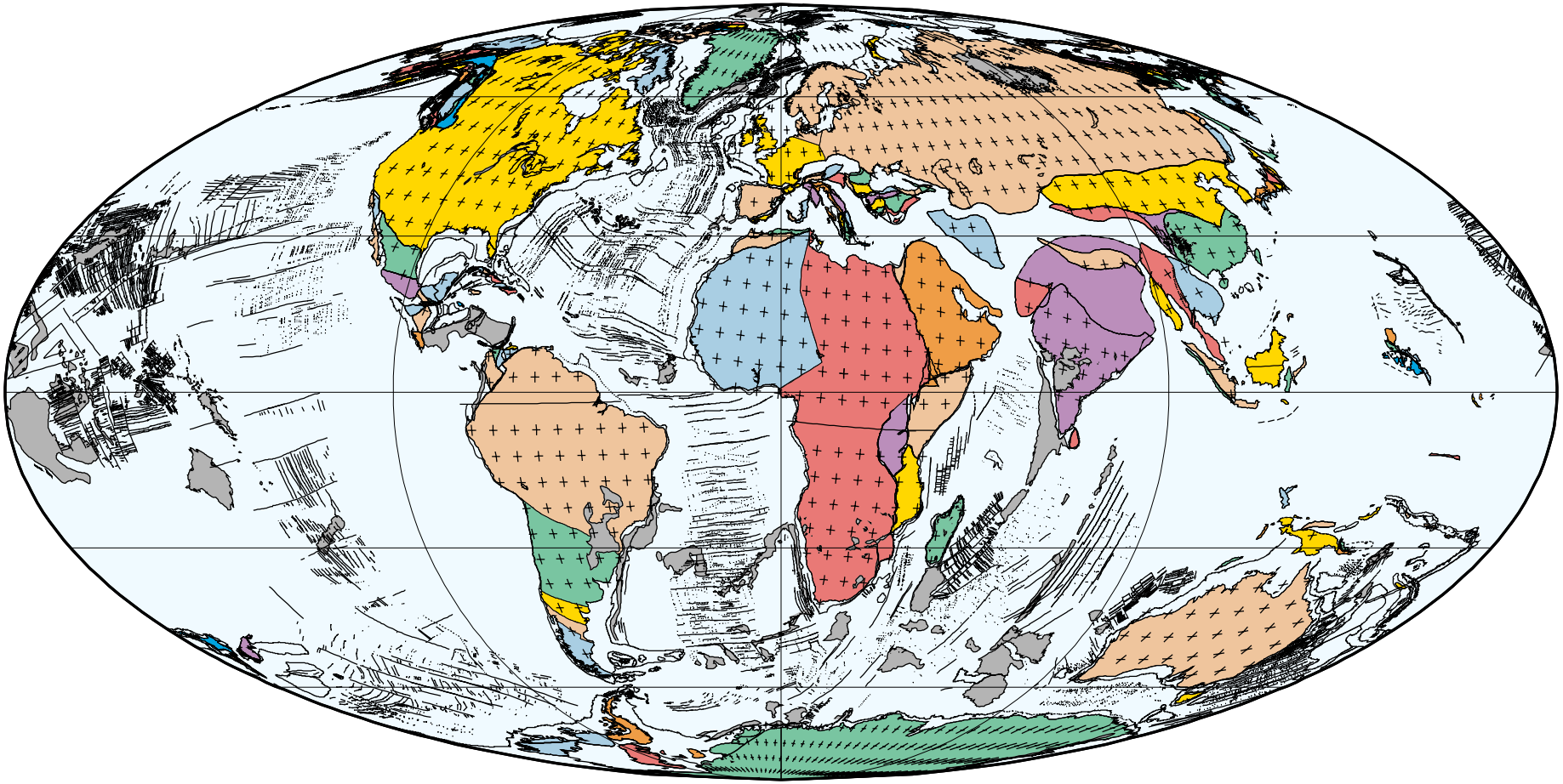


050 Ma

Early Eocene

PLATES/UTIG

September 2004

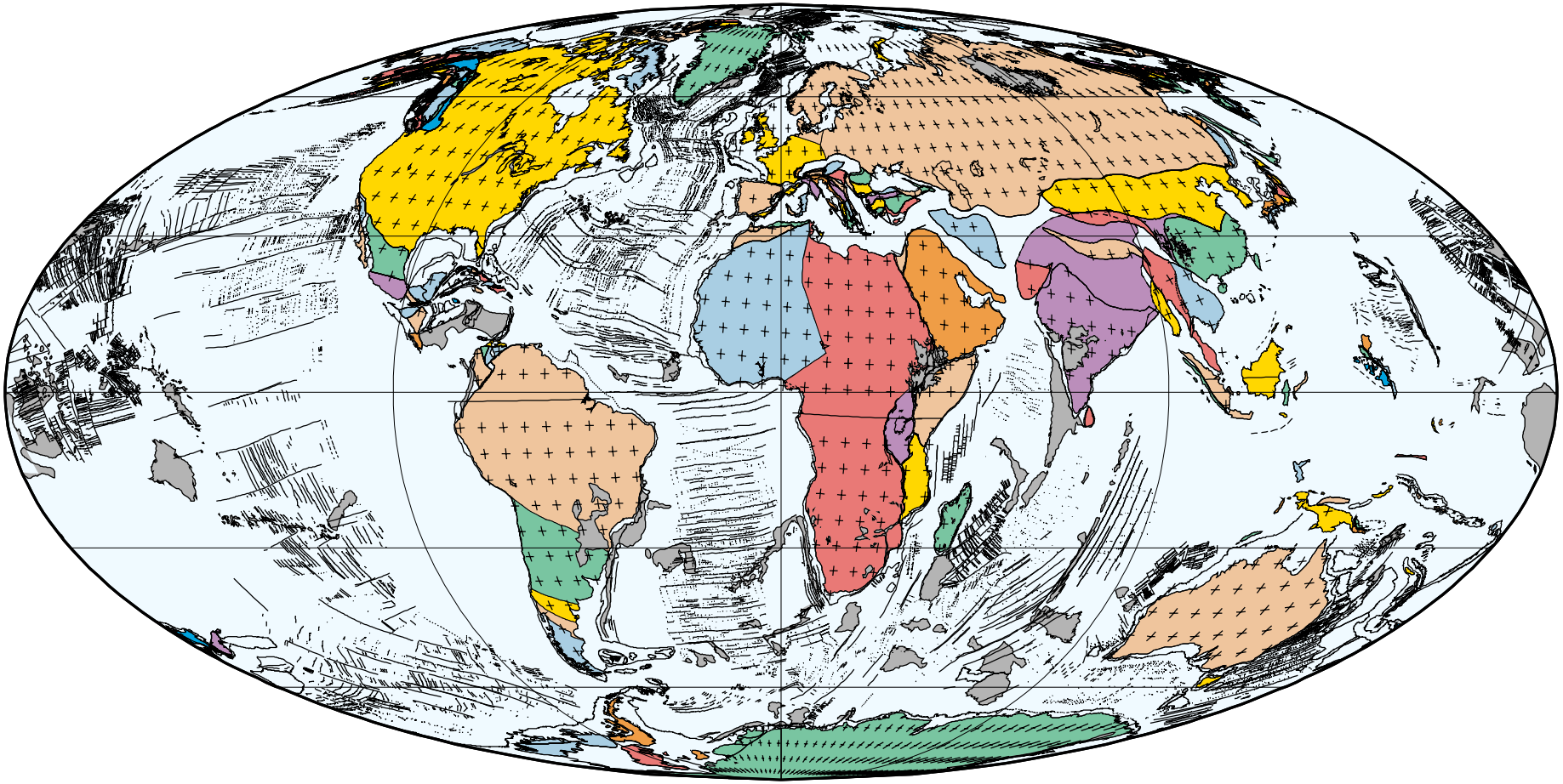


040 Ma

Middle Eocene

PLATES/UTIG

September 2004

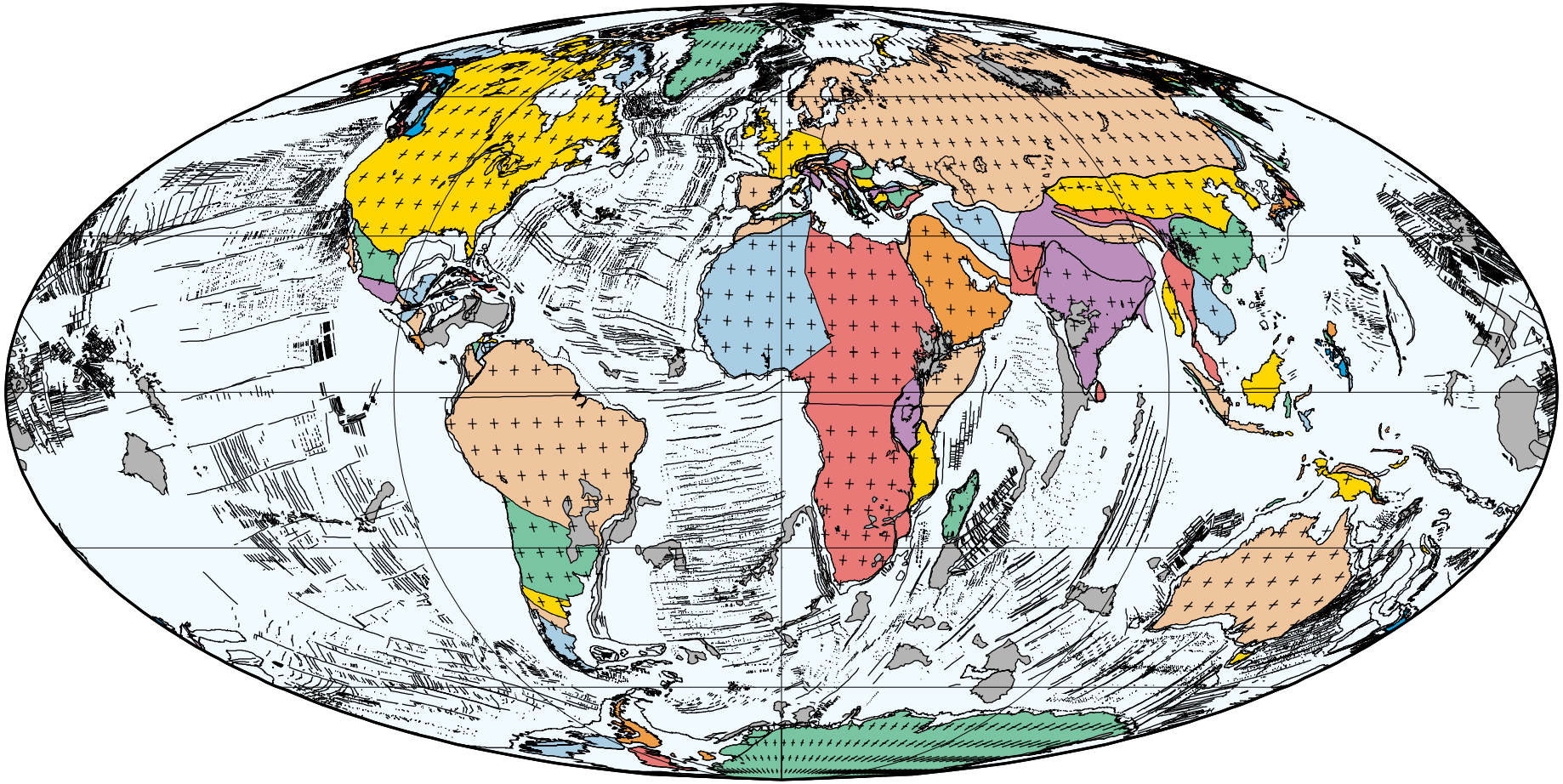


030 Ma

Early Oligocene

PLATES/UTIG

September 2004

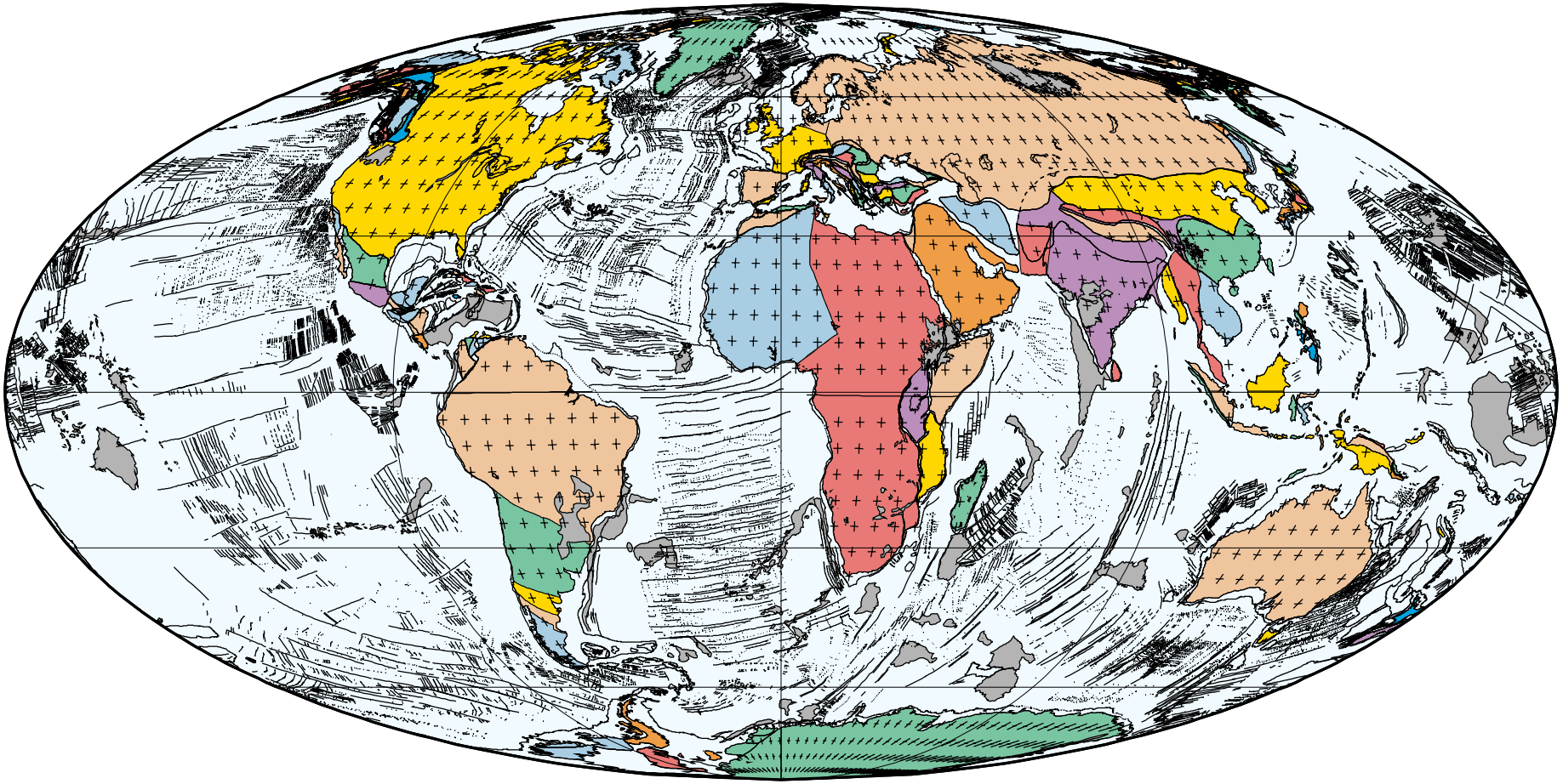


020 Ma

Early Miocene

PLATES/UTIG

August 2004



010 Ma

Late Miocene

PLATES/UTIG

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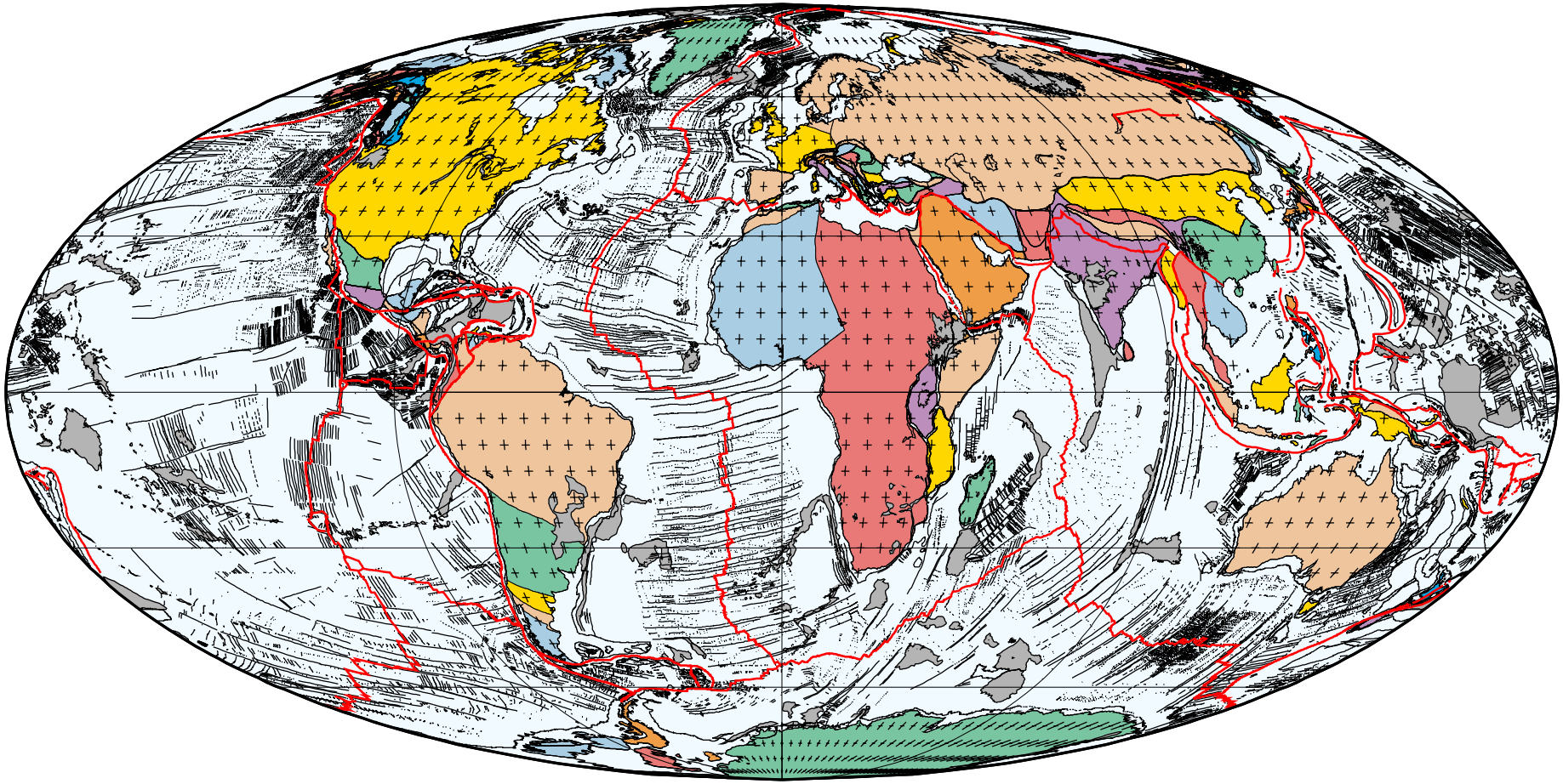
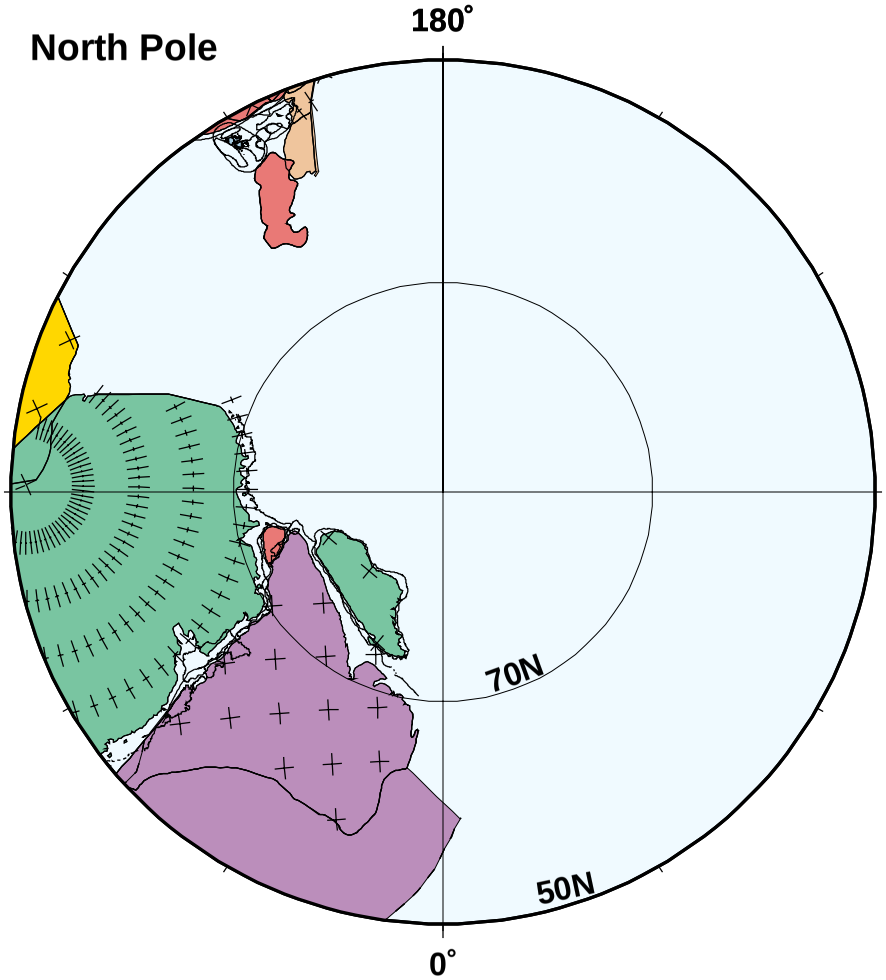


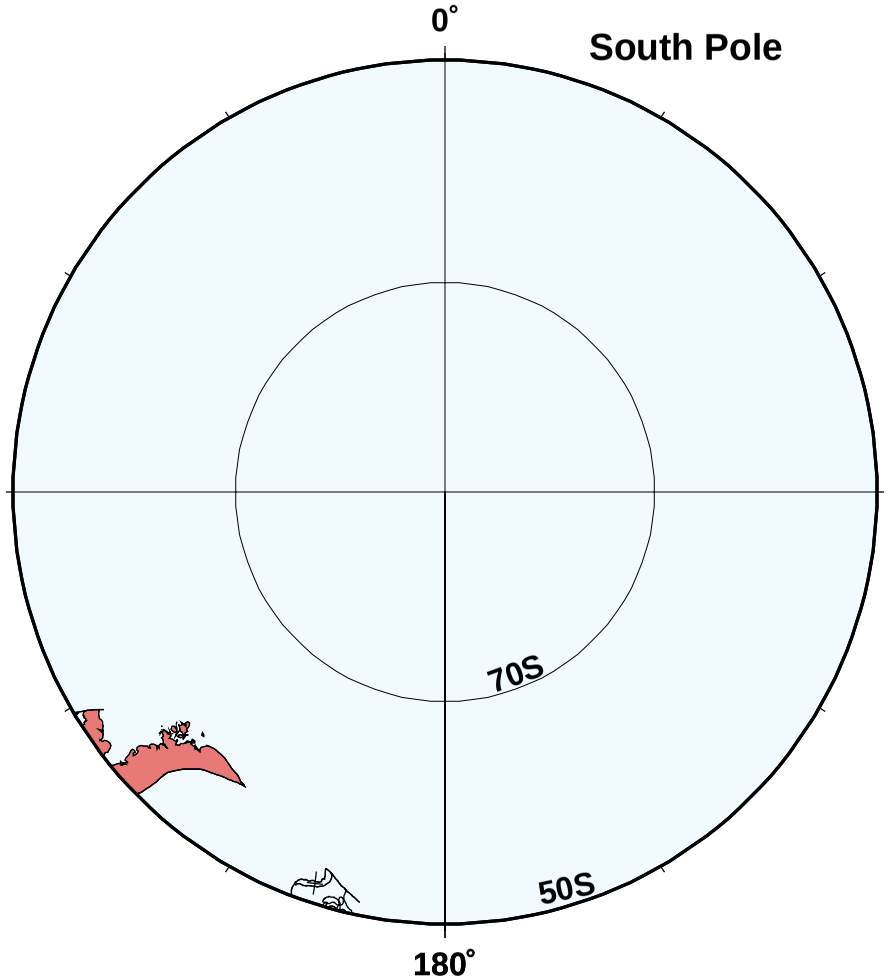
000 Ma

Present Day

PLATES/UTIG

September 2004

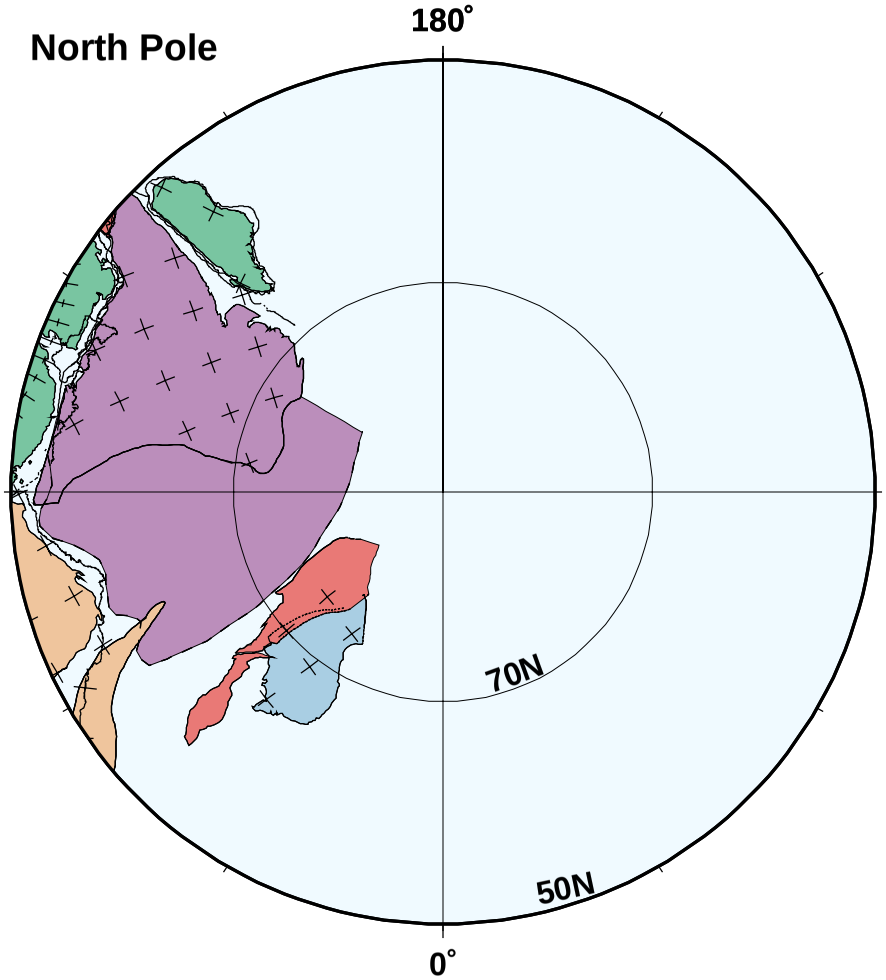


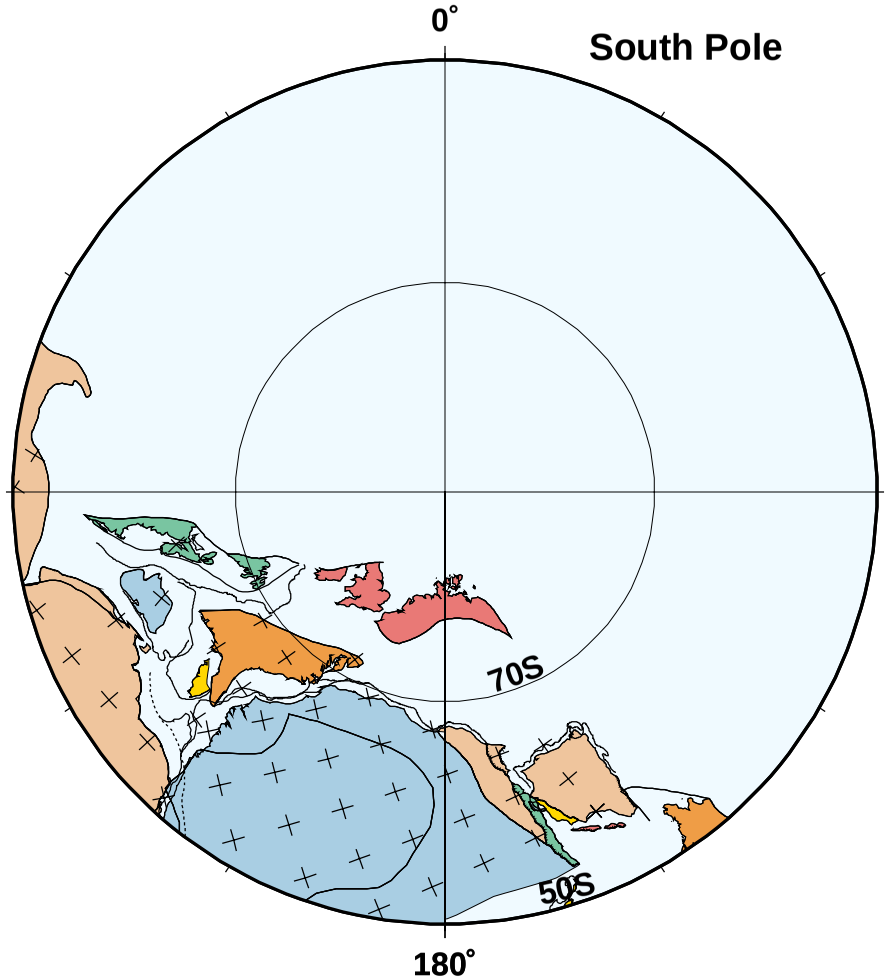


750 Ma

Late Proterozoic

PLATES/UTIG

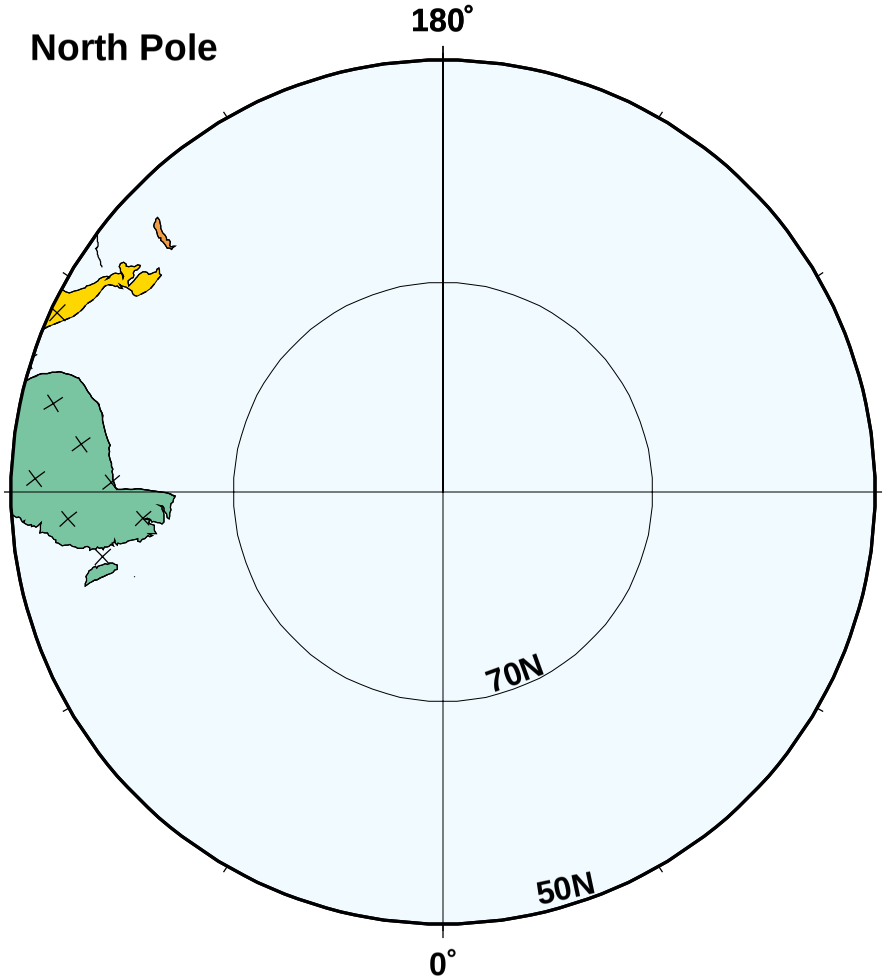


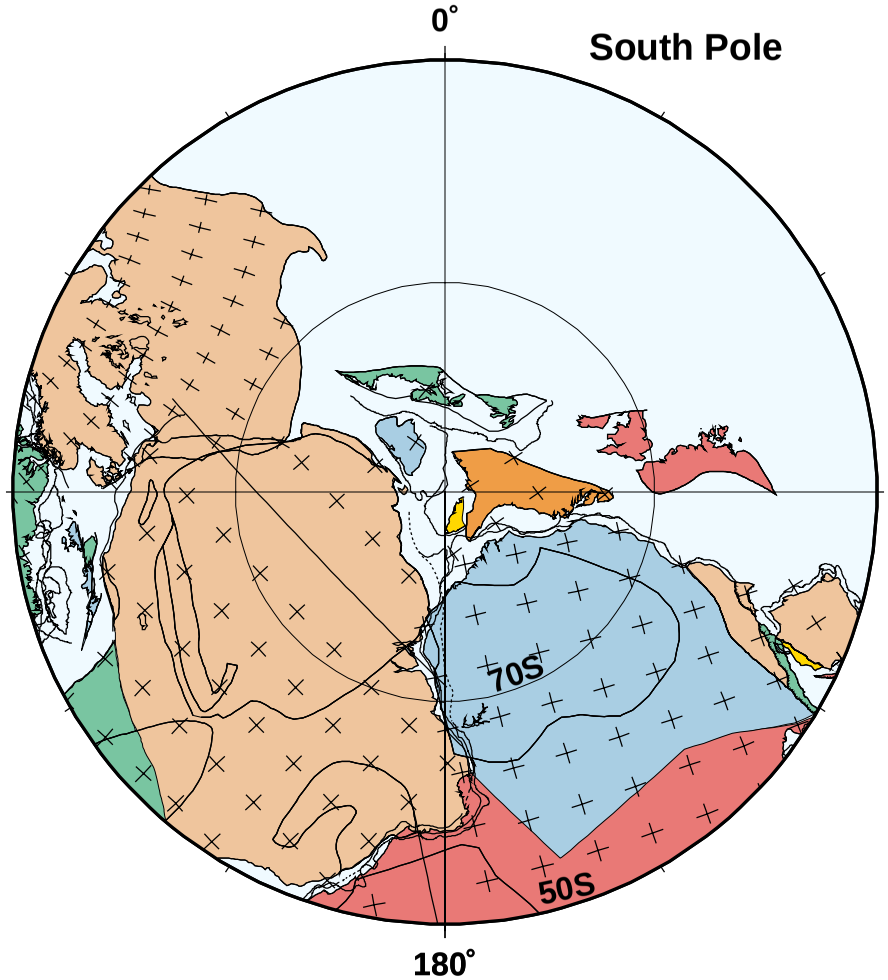


700 Ma

Late Proterozoic

PLATES/UTIG

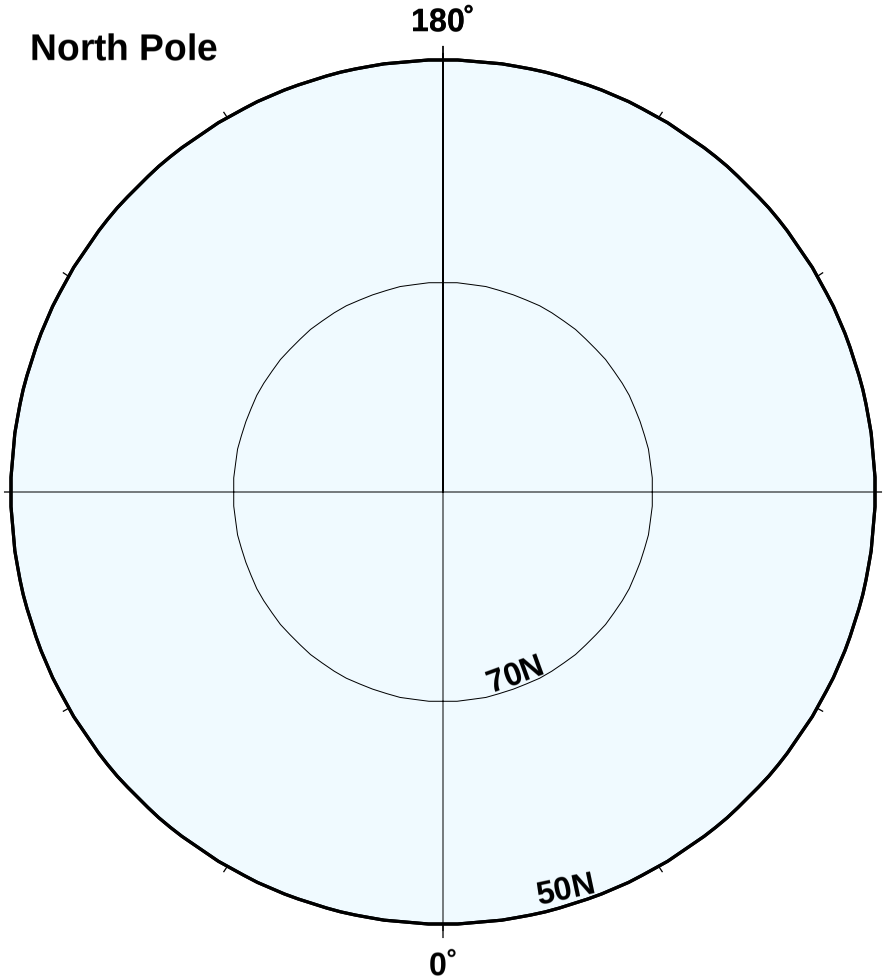


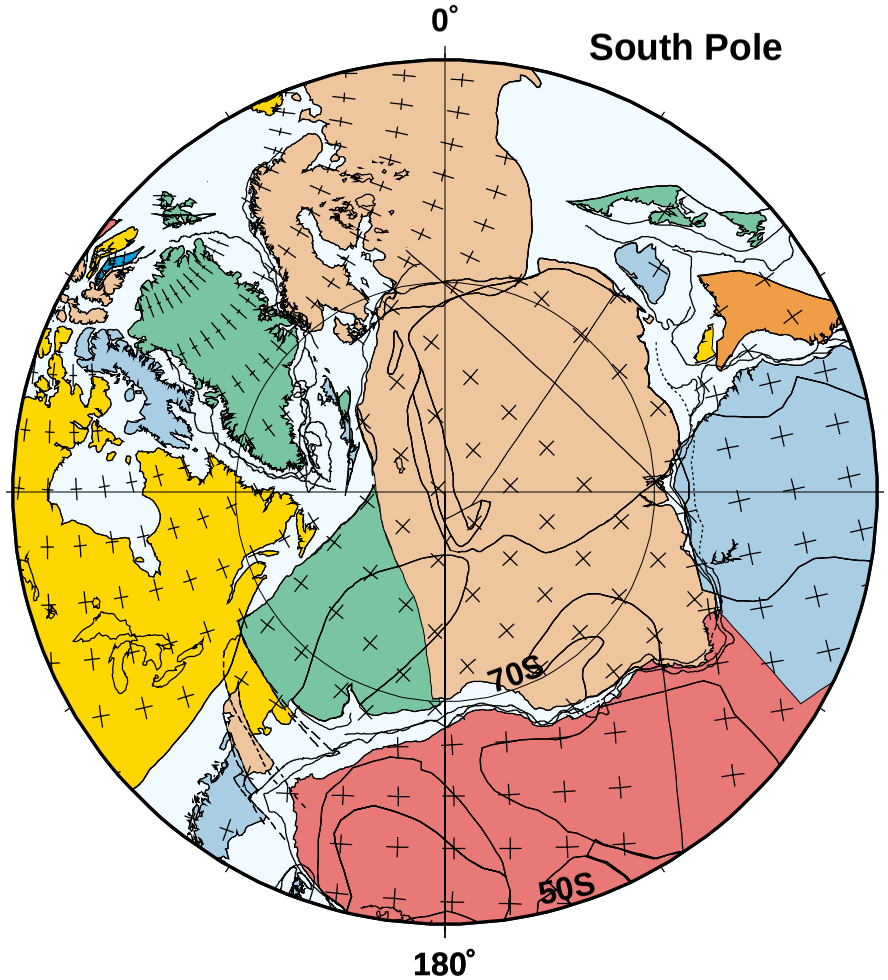


650 Ma

Late Proterozoic

PLATES/UTIG

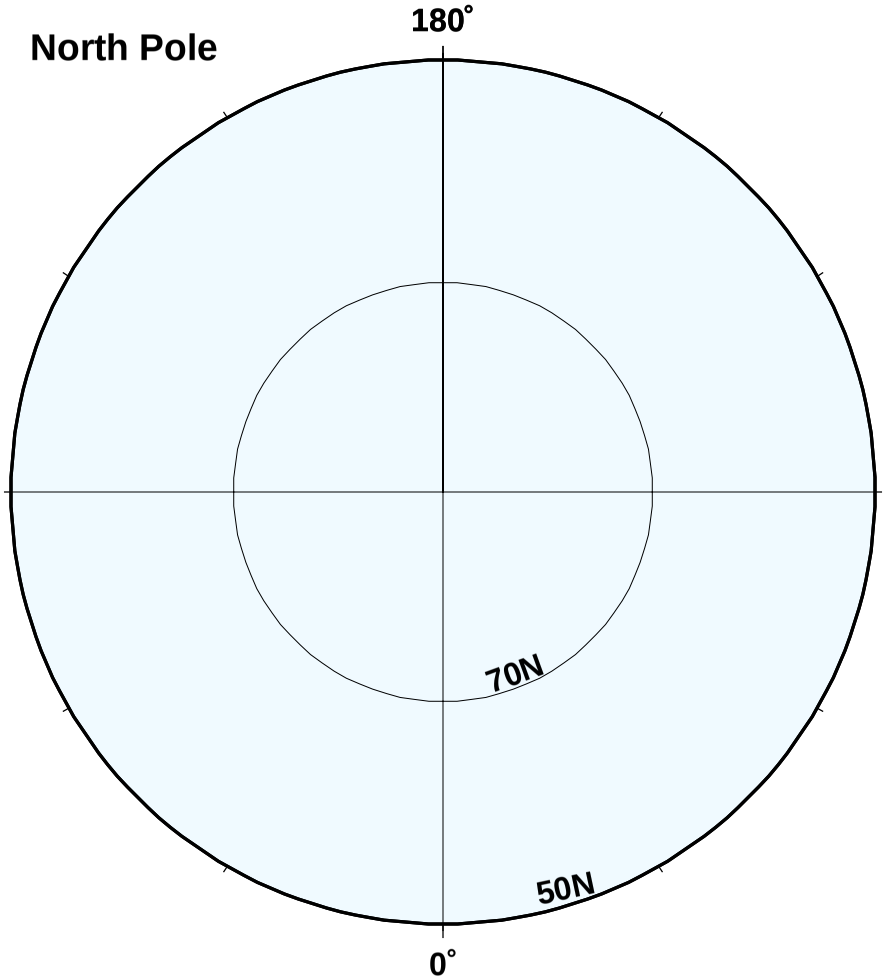


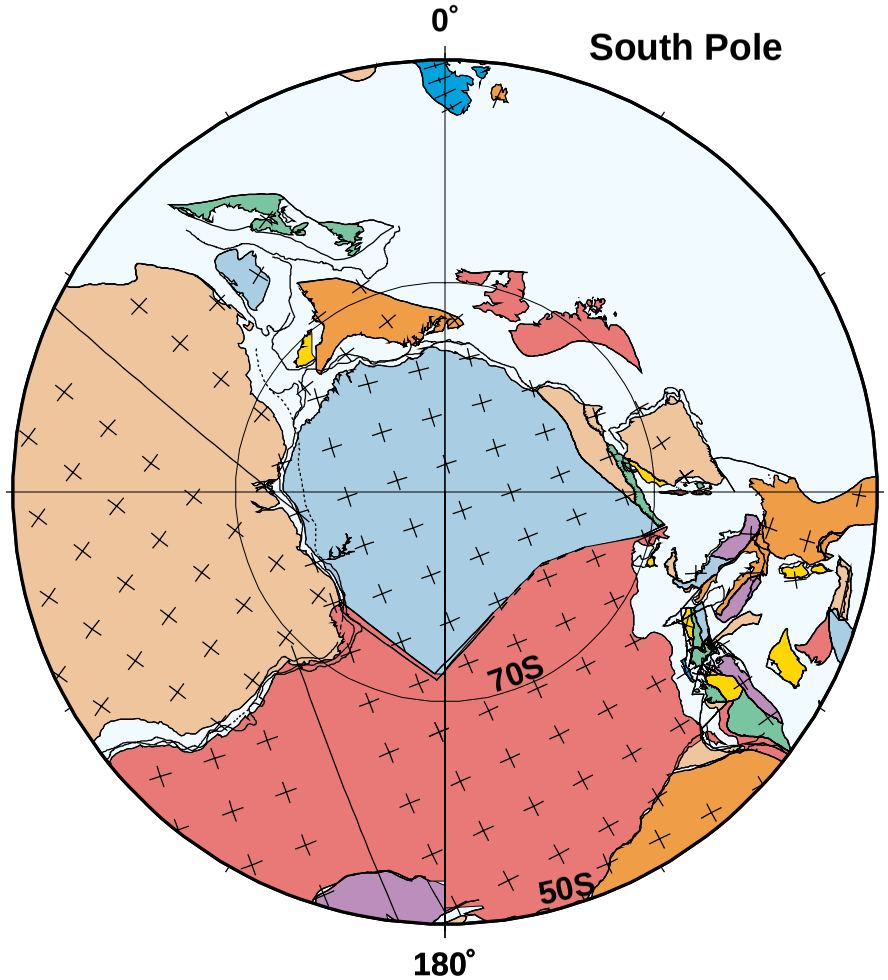


600 Ma

Late Proterozoic

PLATES/UTIG

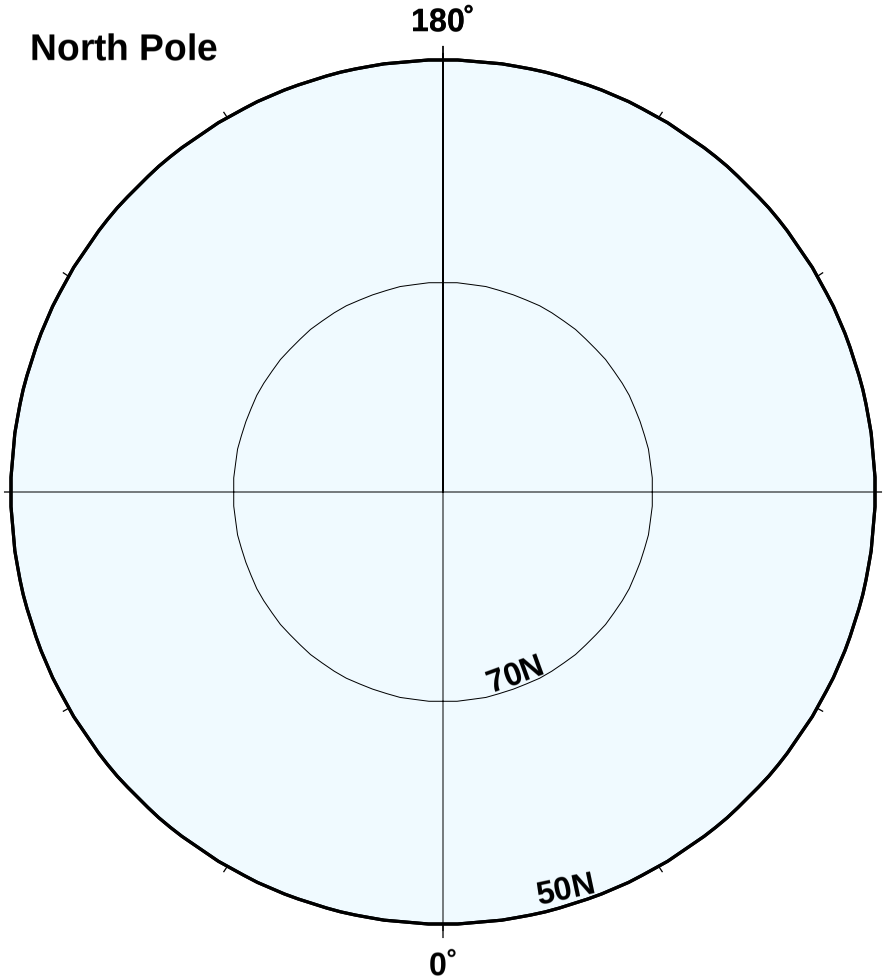


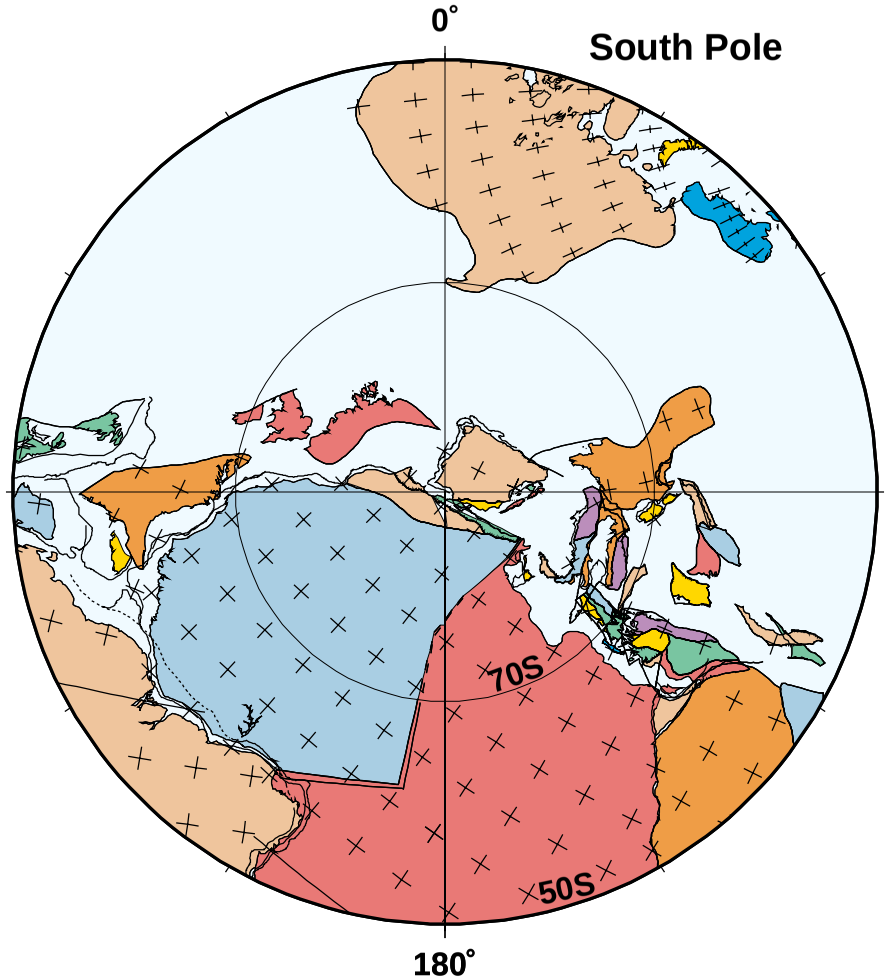


540 Ma

Nemakitian-Daldynian (Early Cambrian)

PLATES/UTIG

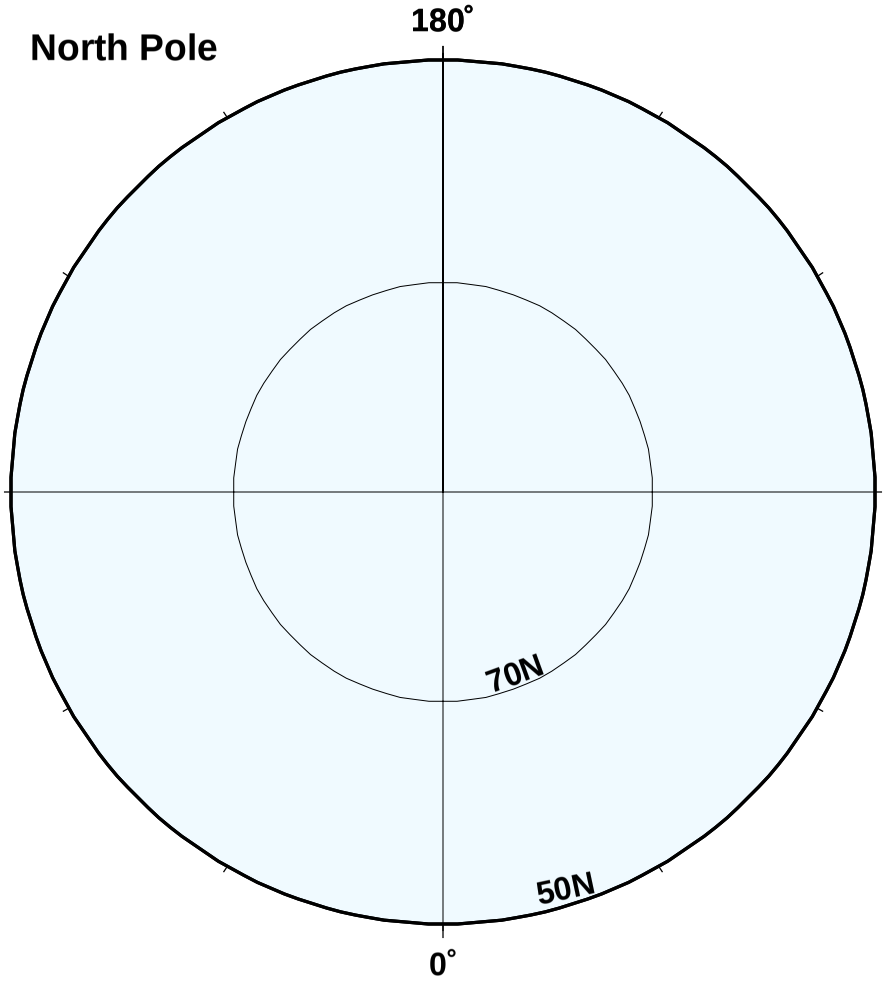


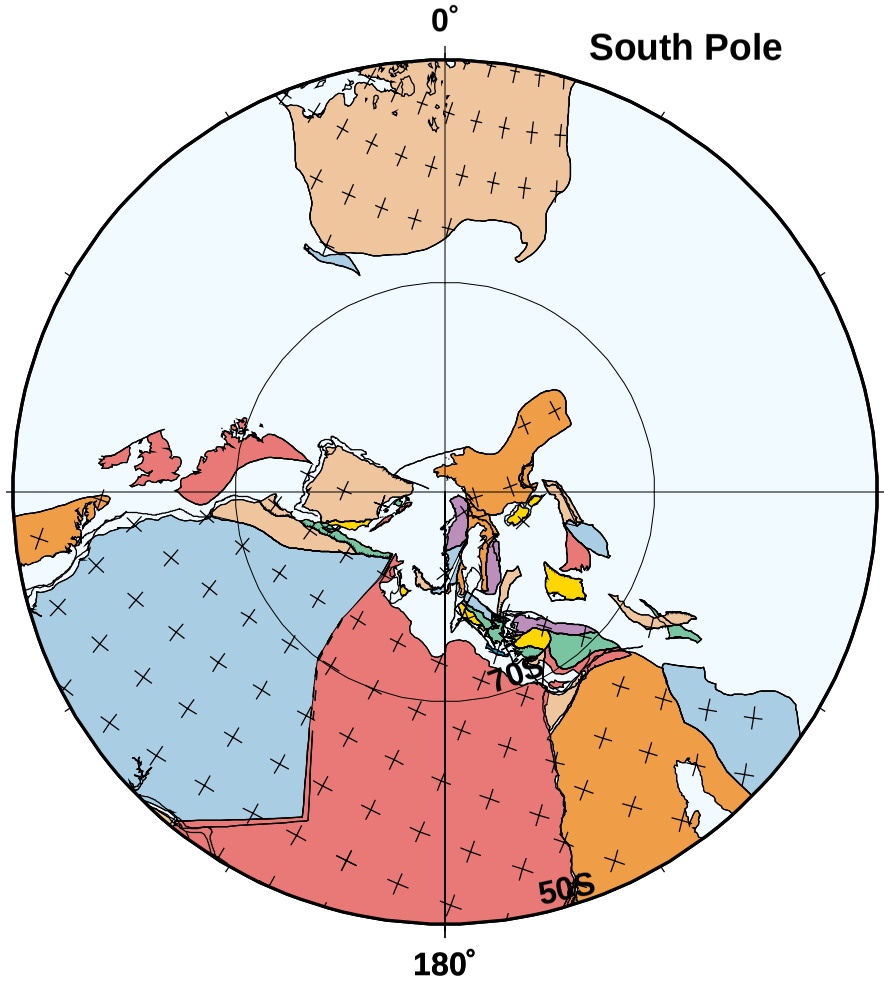


510 Ma

Middle Cambrian

PLATES/UTIG

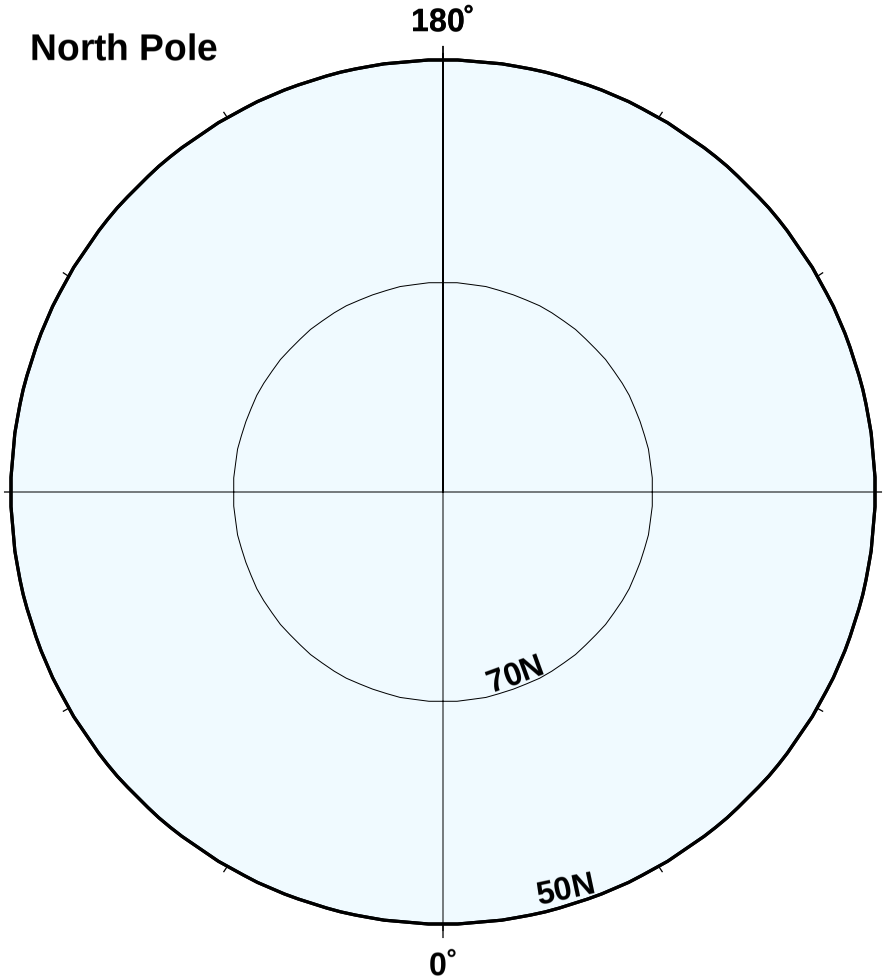


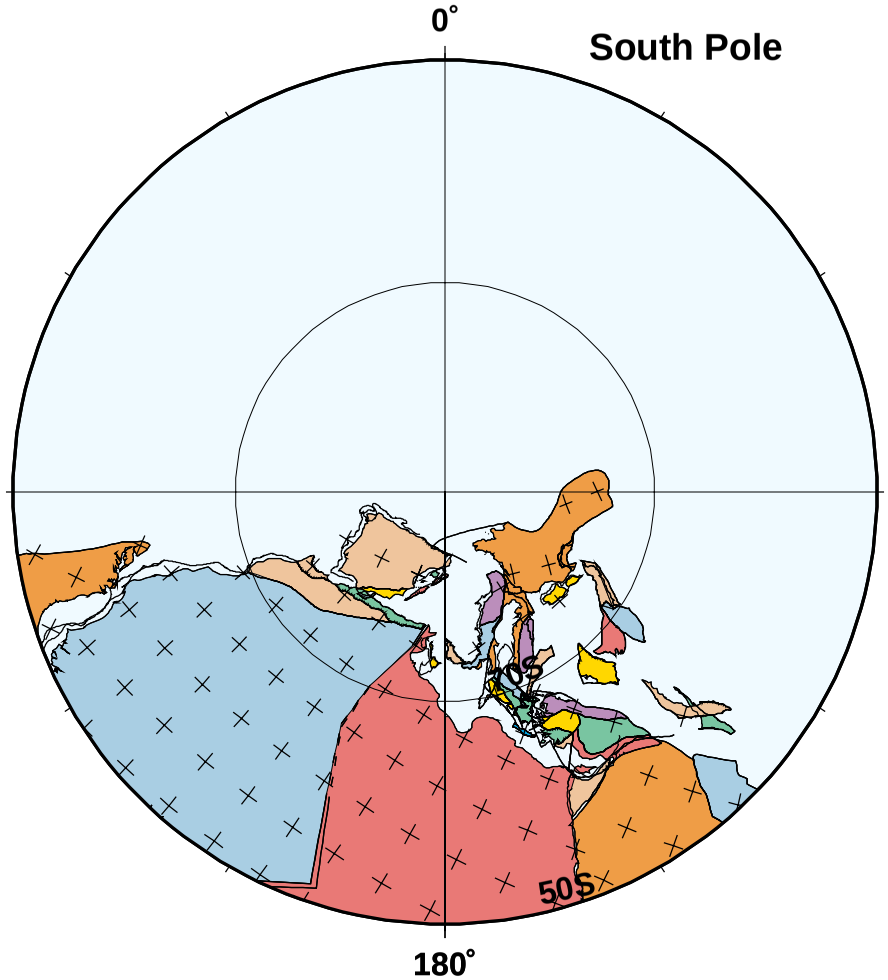


480 Ma

Arenigian (Early Ordovician)

PLATES/UTIG

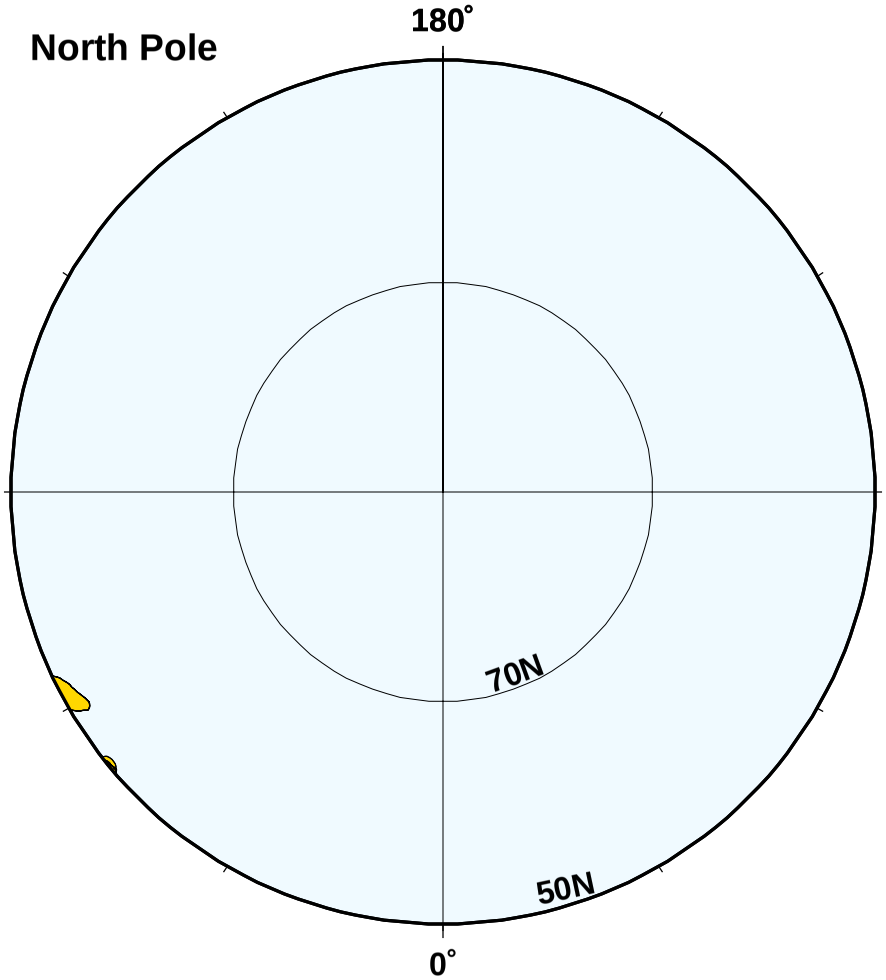


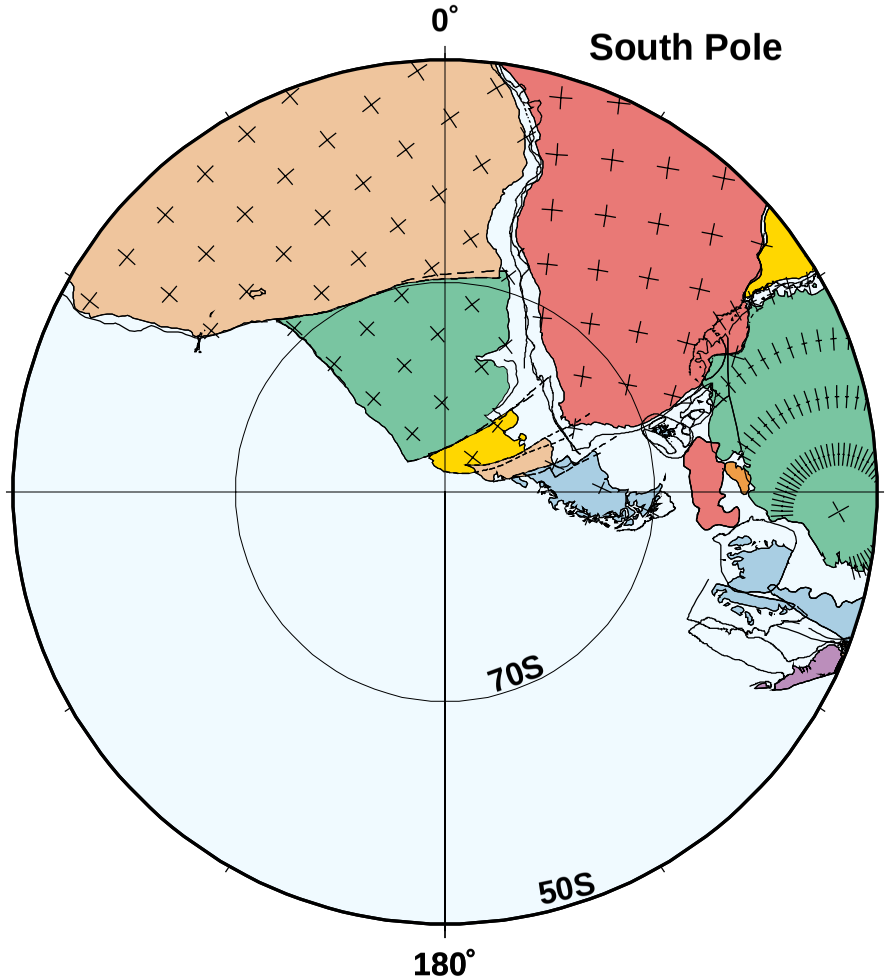


450 Ma

Caradocian (Late Ordovician)

PLATES/UTIG

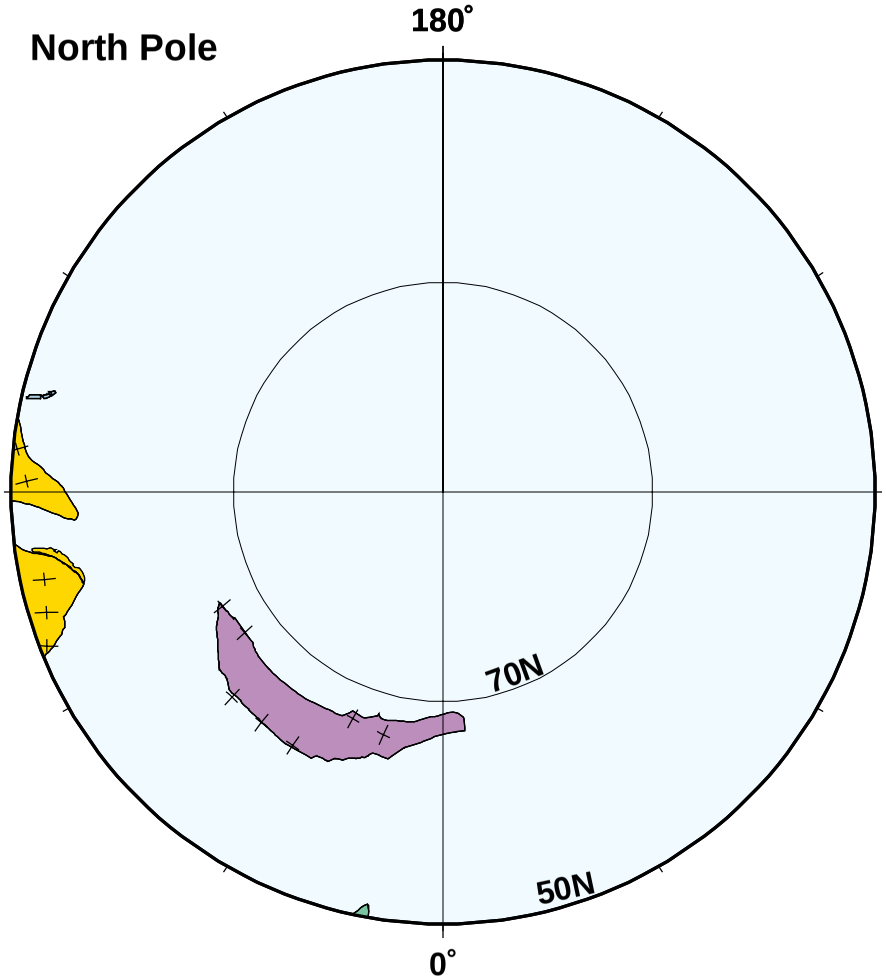


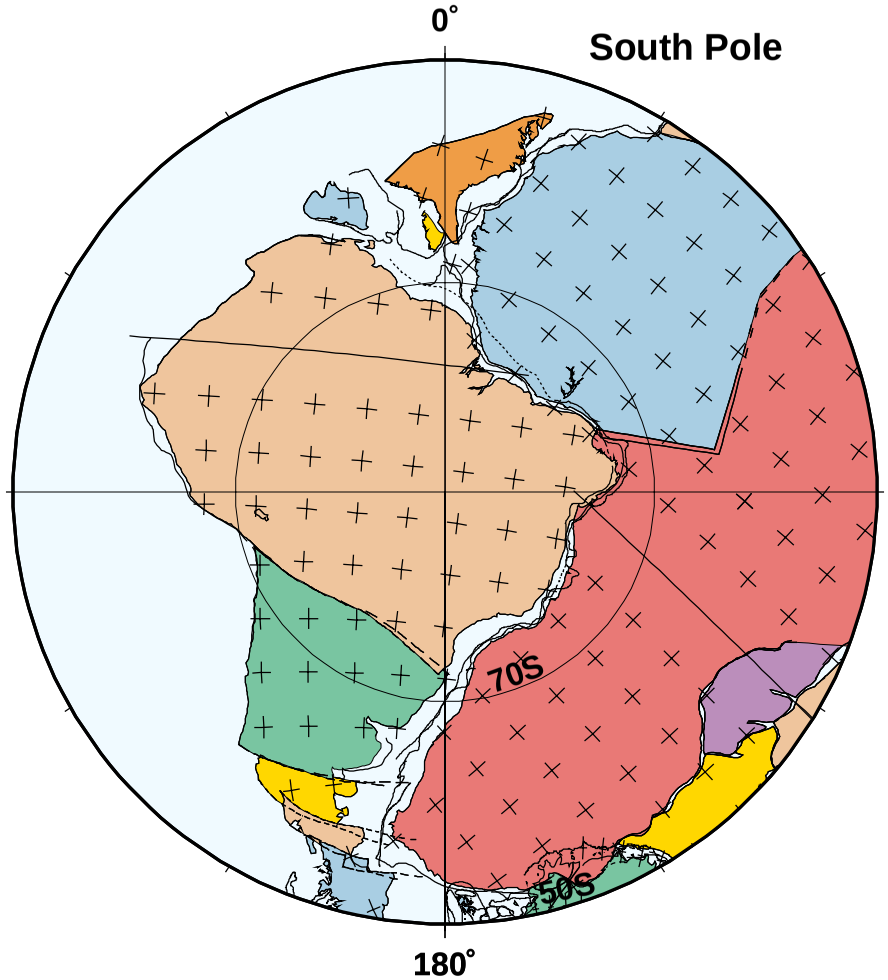


420 Ma

Ludlovian (Late Silurian)

PLATES/UTIG

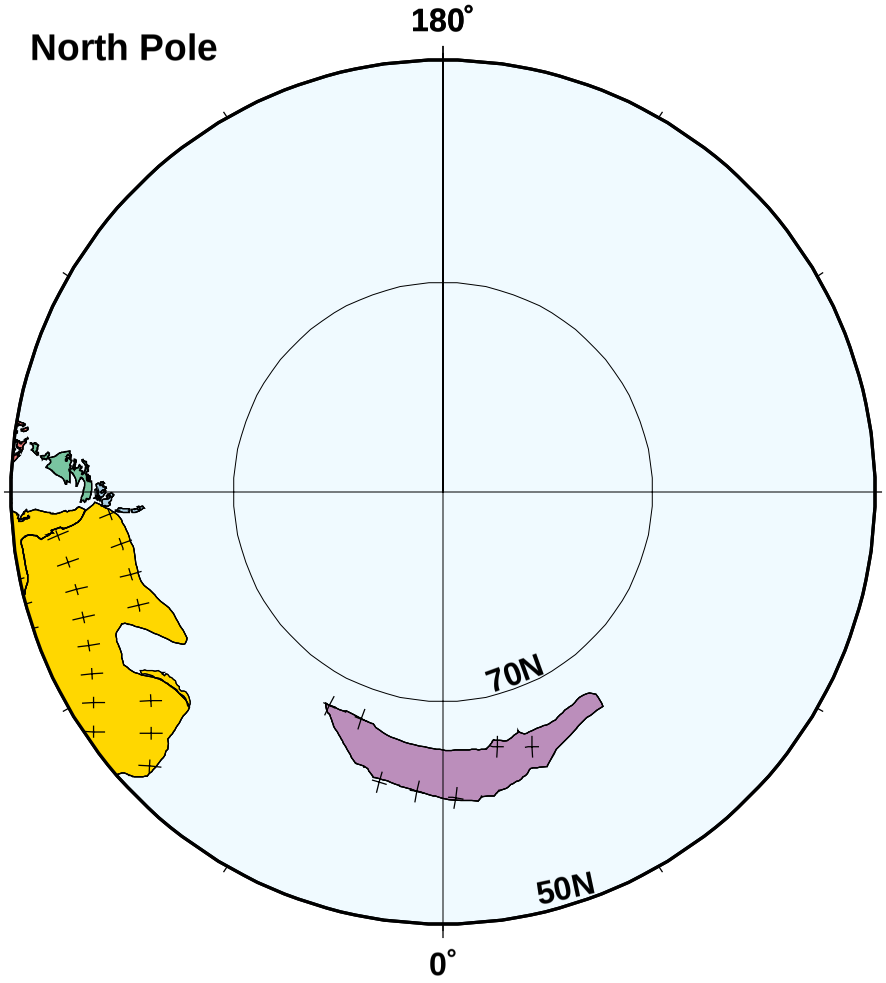


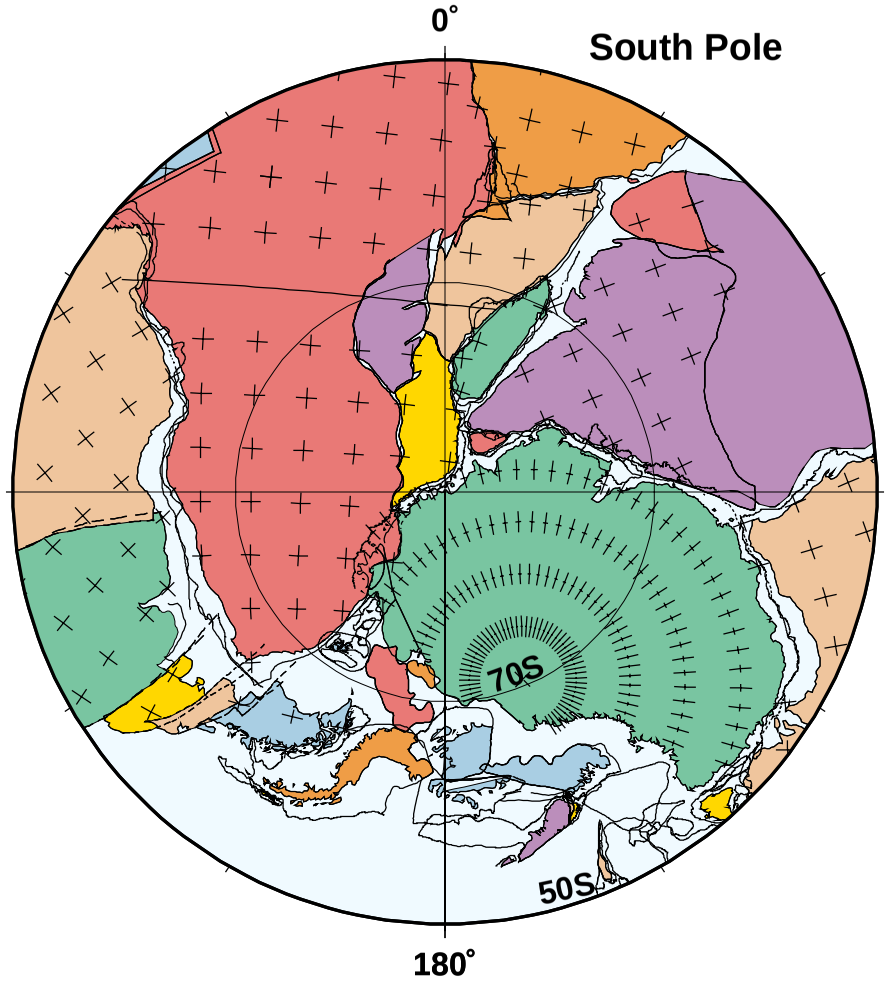


390 Ma

Early Eifelian (Early Devonian)

PLATES/UTIG

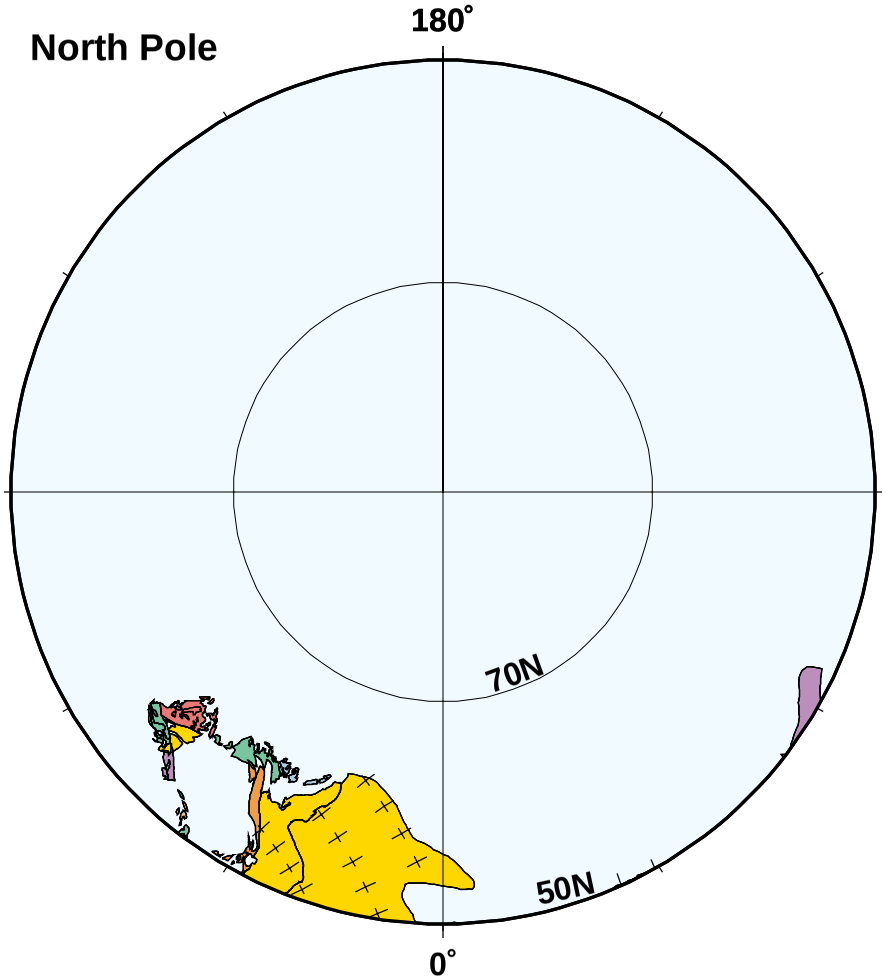


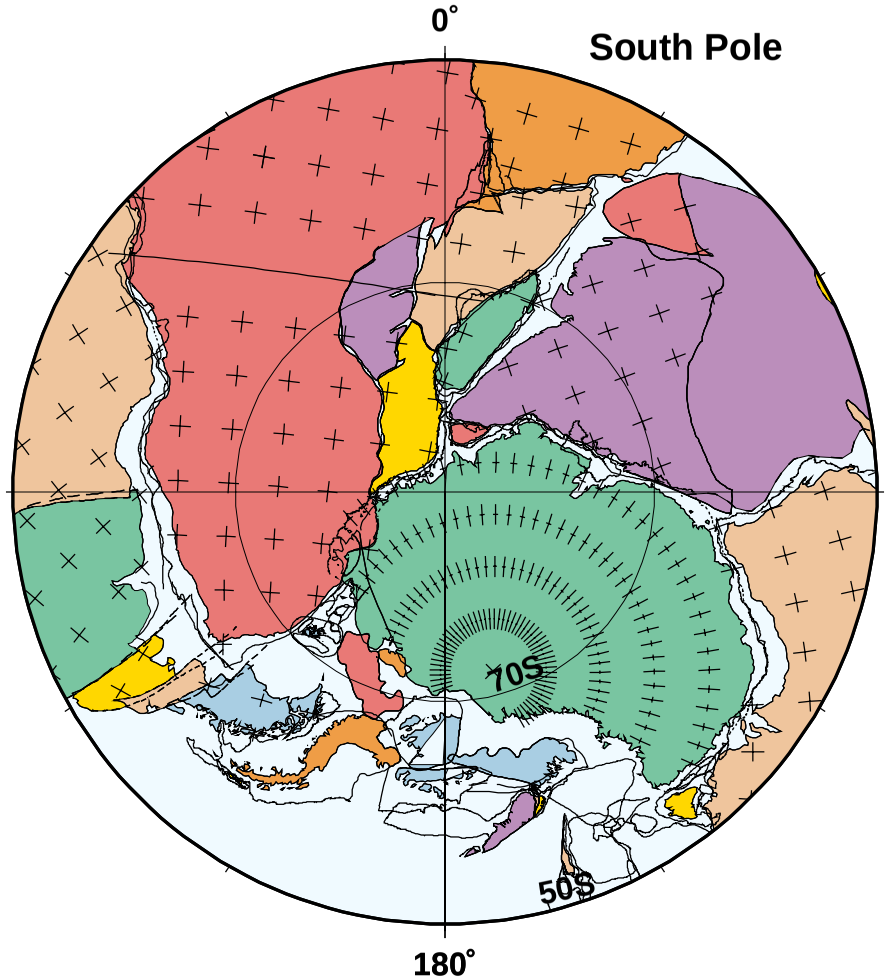


360 Ma

Famennian (Late Devonian)

PLATES/UTIG

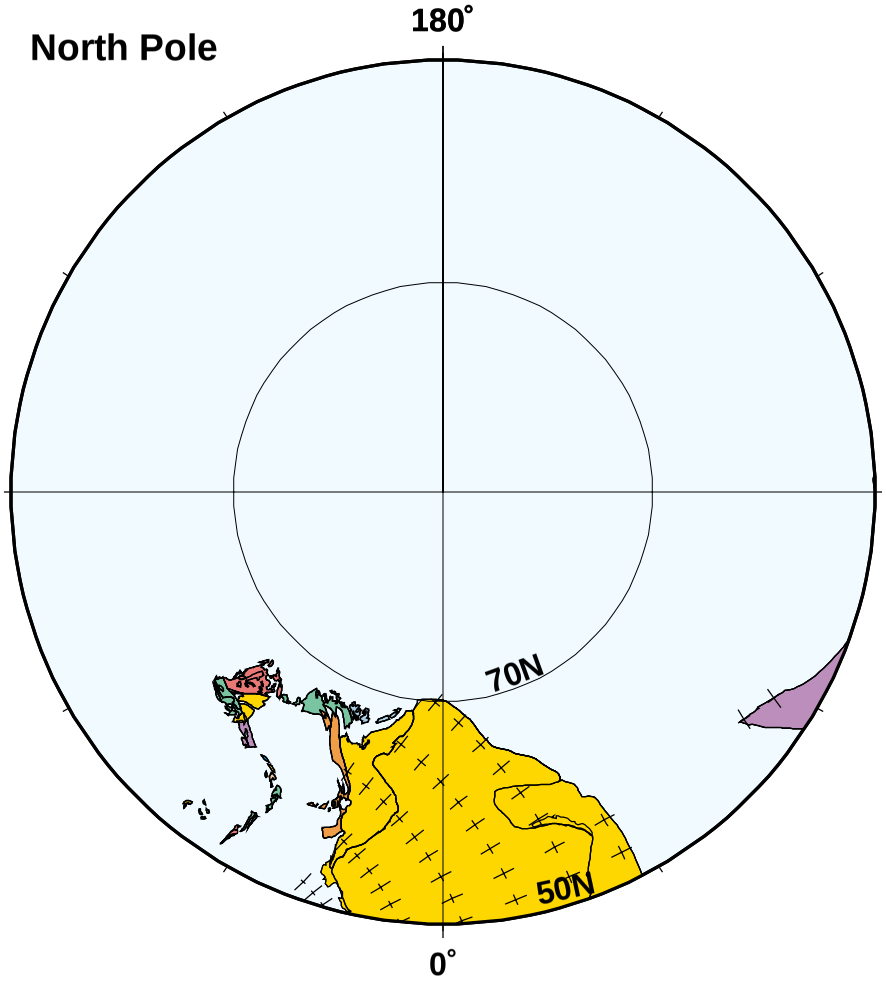


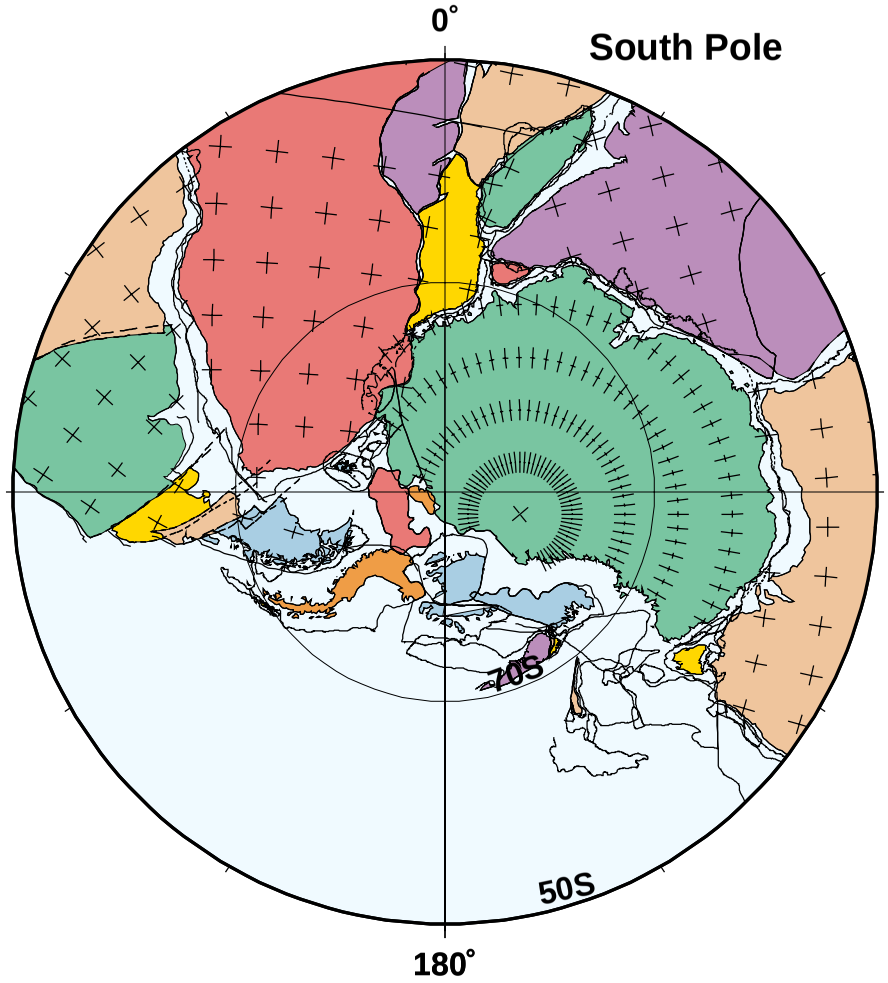


330 Ma

PLATES/UTIG

Visean (Mississippian)

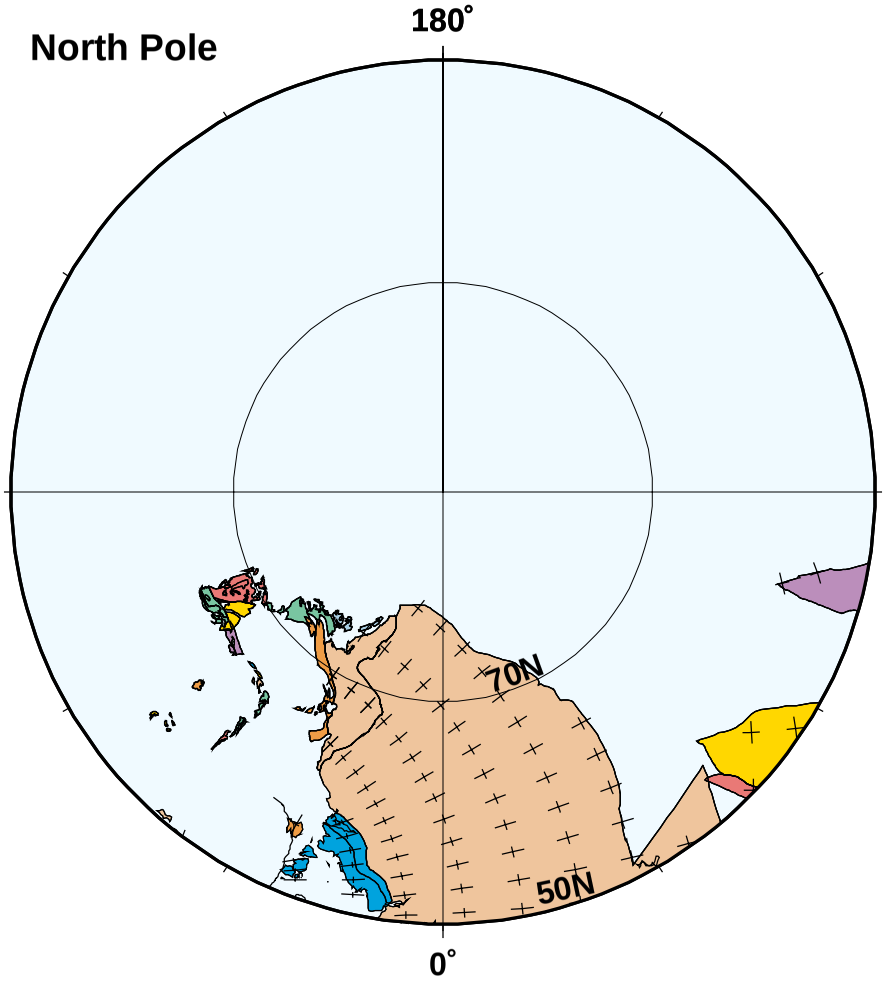


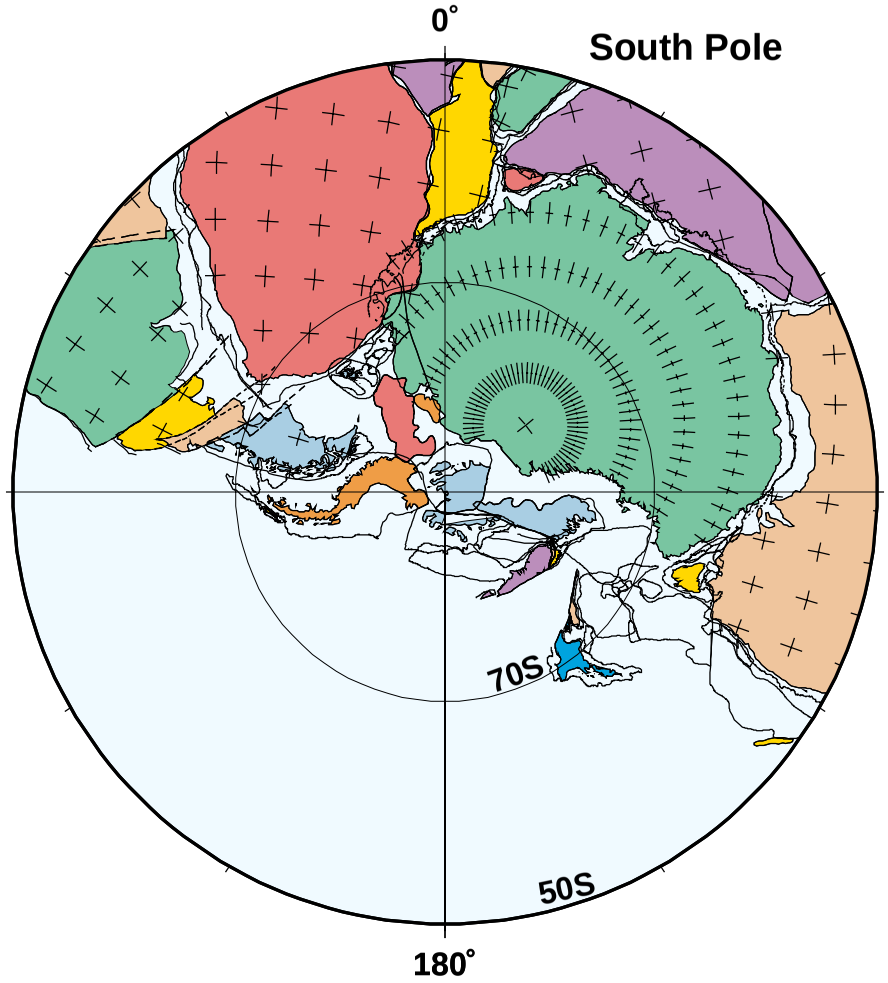


300 Ma

PLATES/UTIG

Kasimovian (Pennsylvanian)

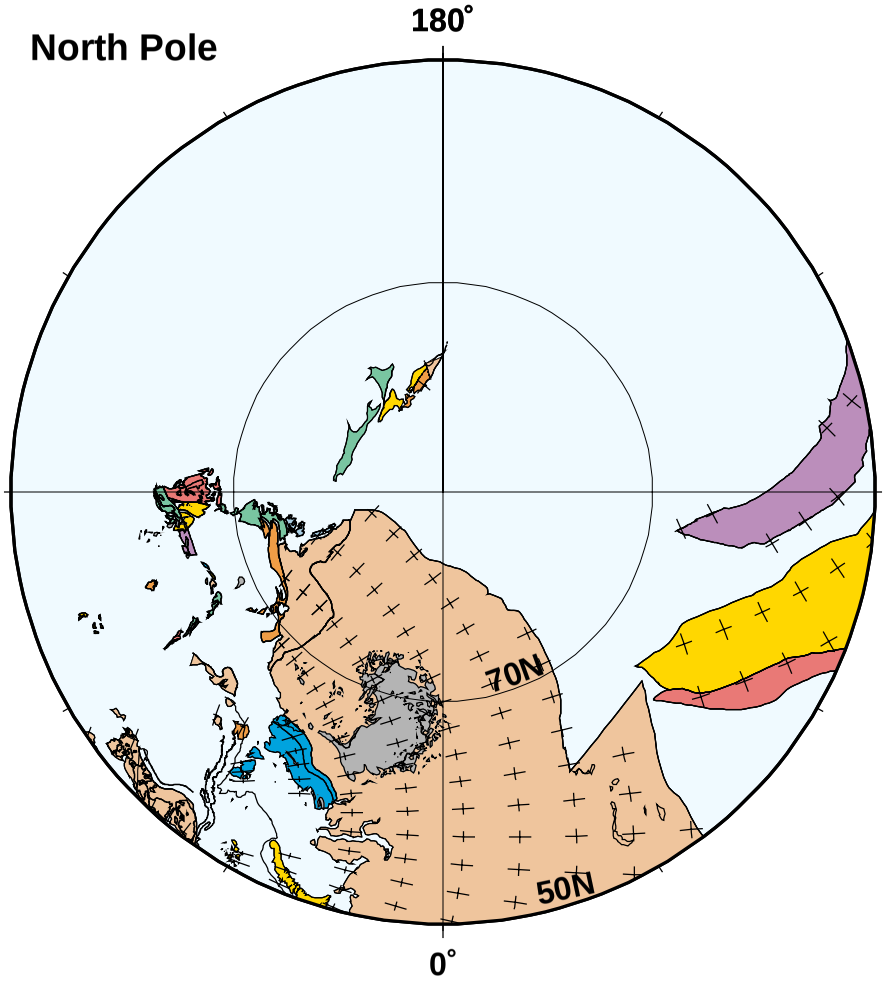


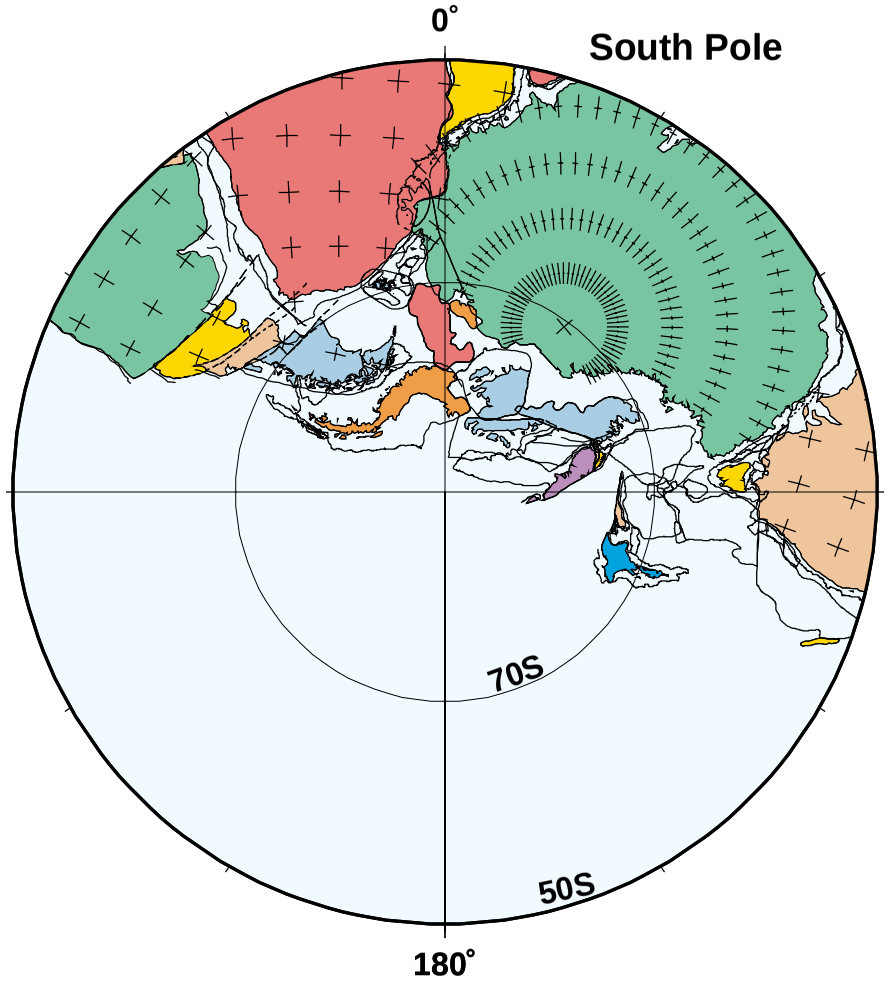


270 Ma

PLATES/UTIG

Late Sakmarian (Early Permian

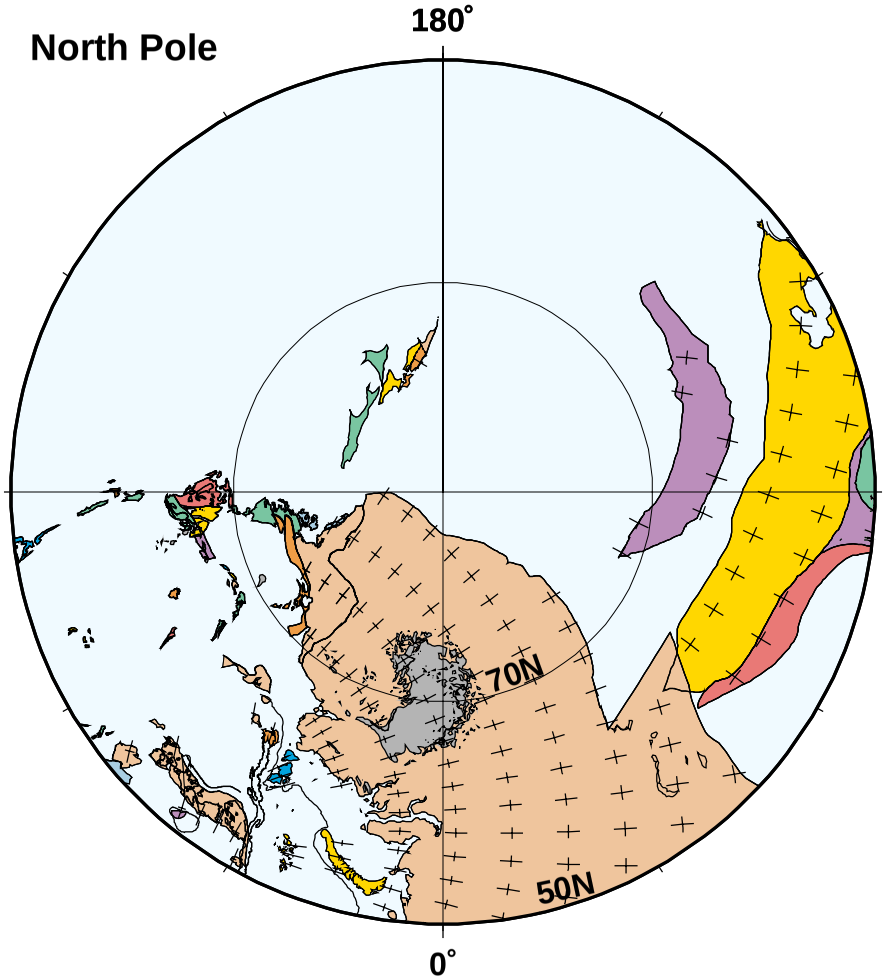


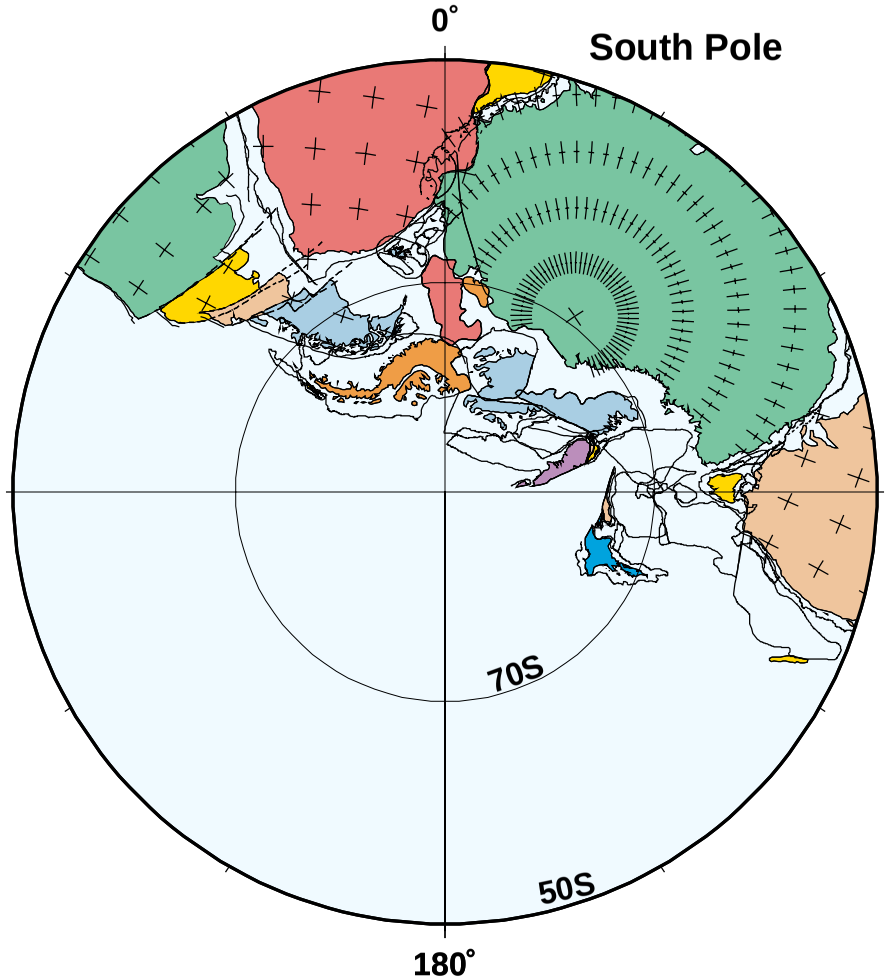


240 Ma

PLATES/UTIG

Anisian (Middle Triassic)

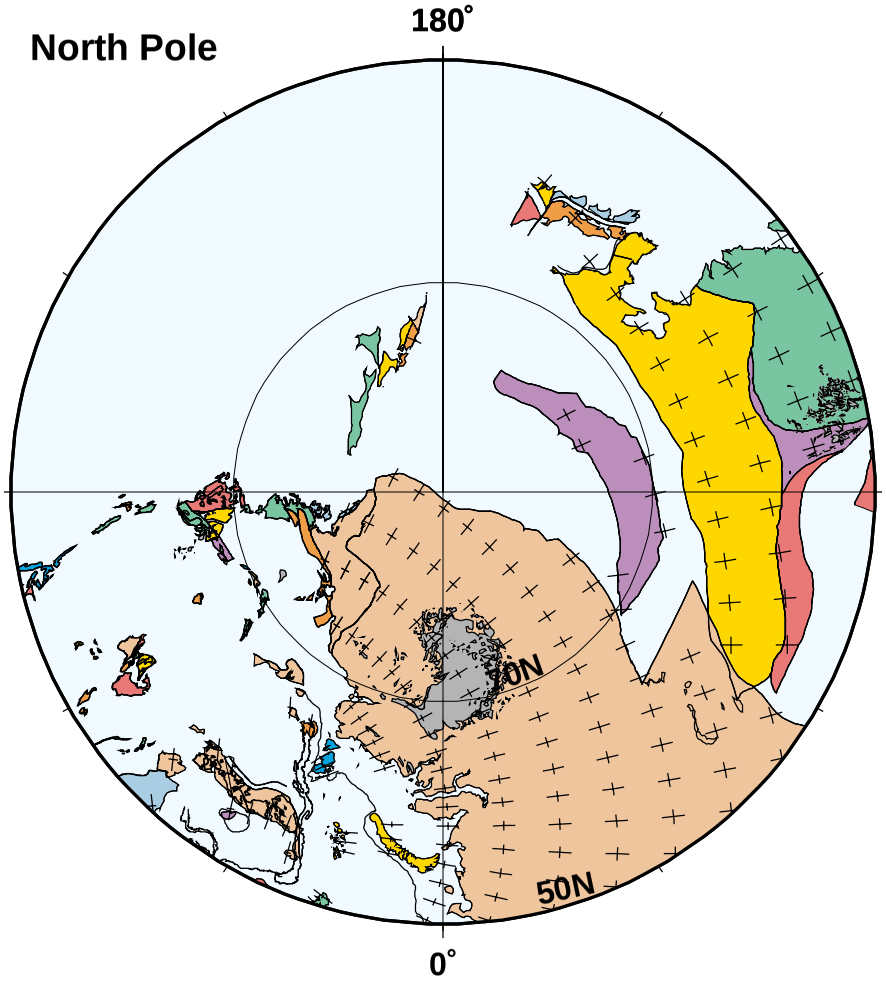


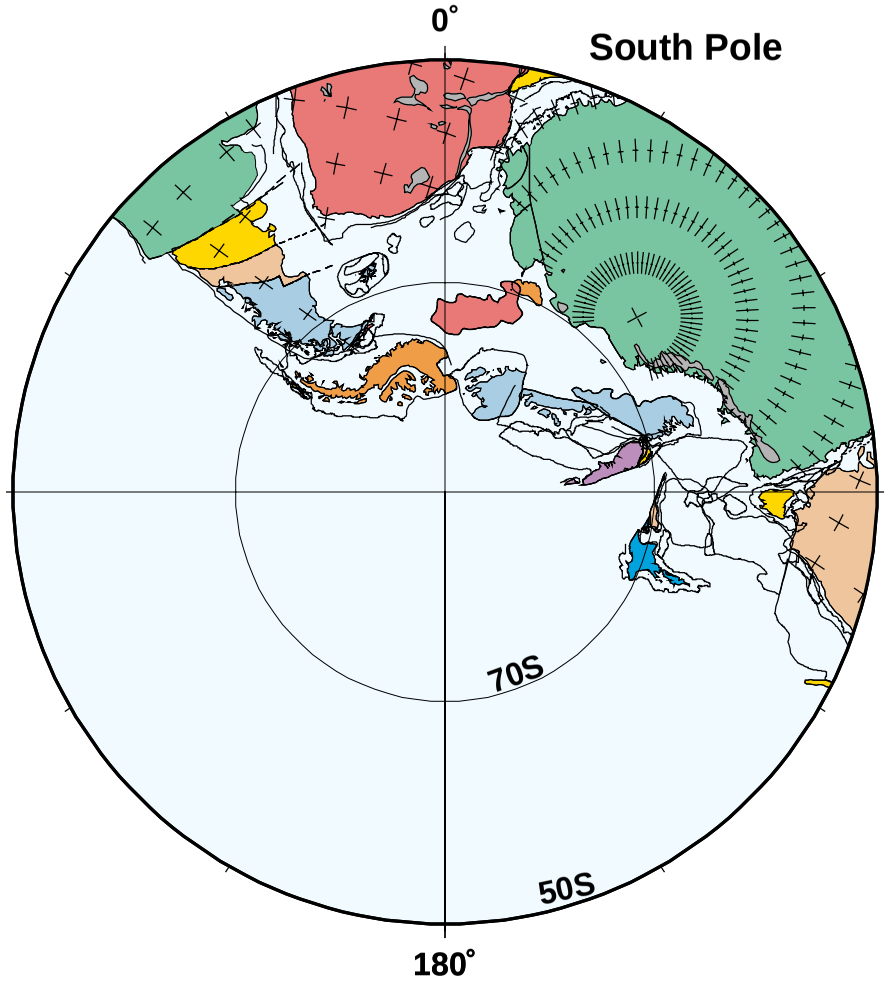


210 Ma

PLATES/UTIG

Late Norian (Late Triassic)

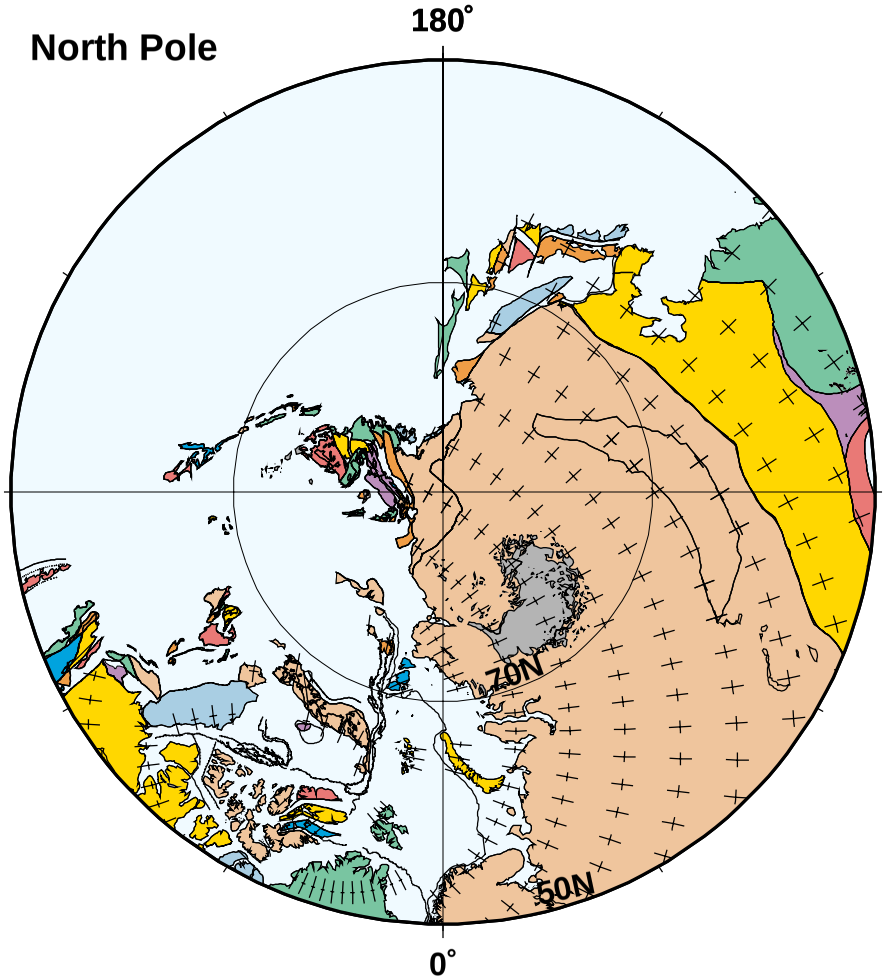


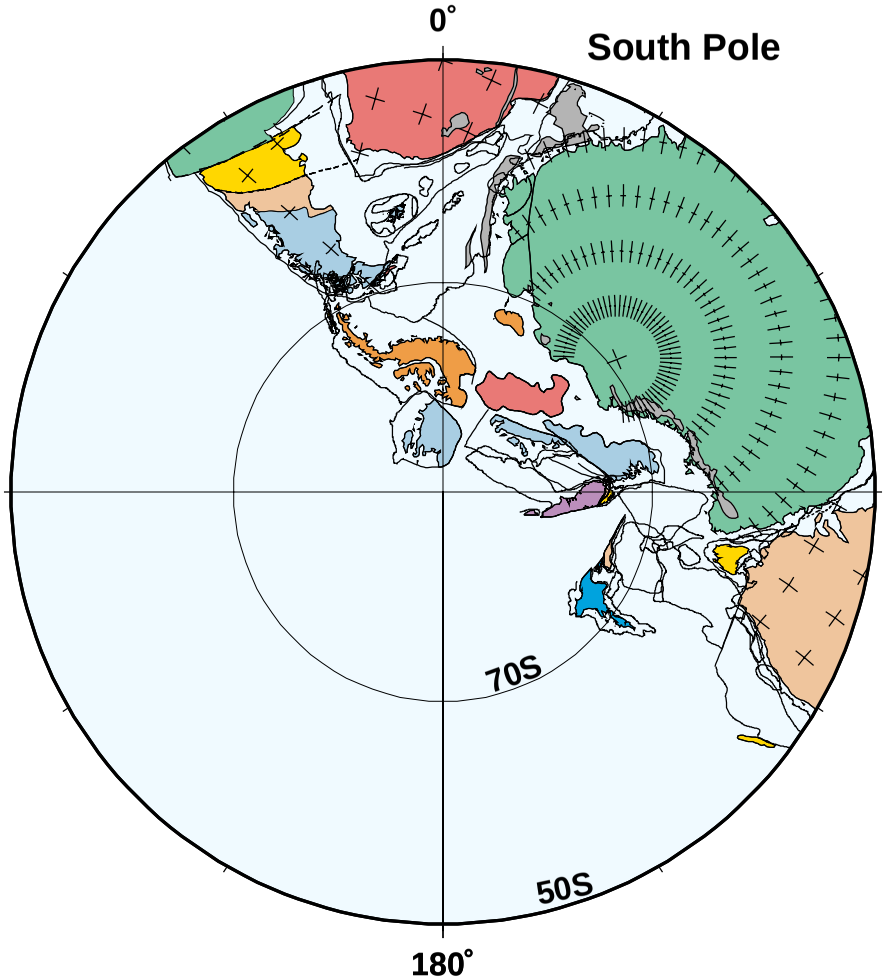


180 Ma

PLATES/UTIG

Aalenian (Middle Jurassic)

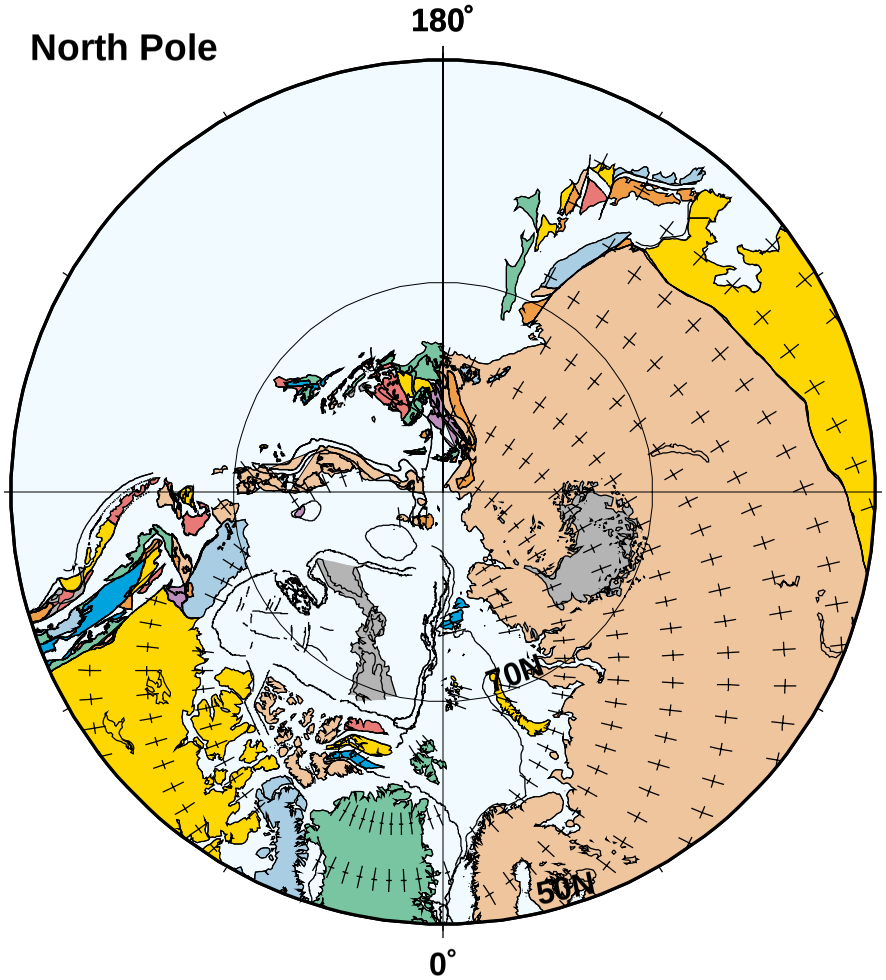


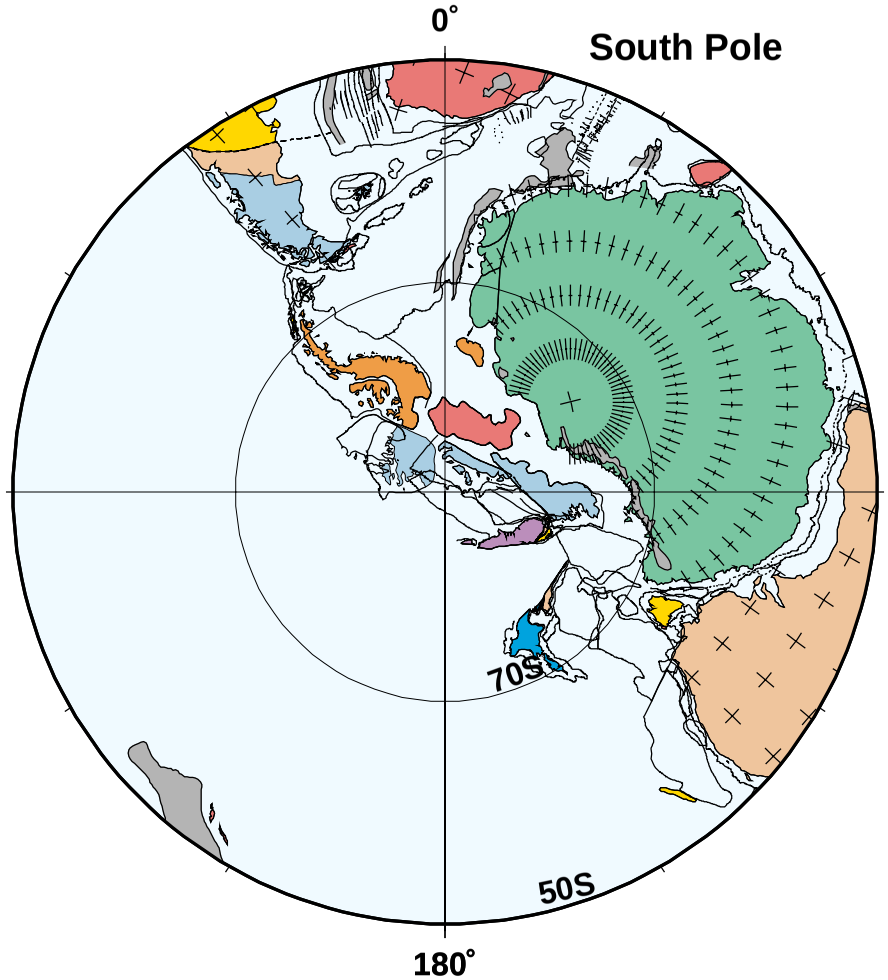


150 Ma

PLATES/UTIG

Volgian (Late Jurassic)

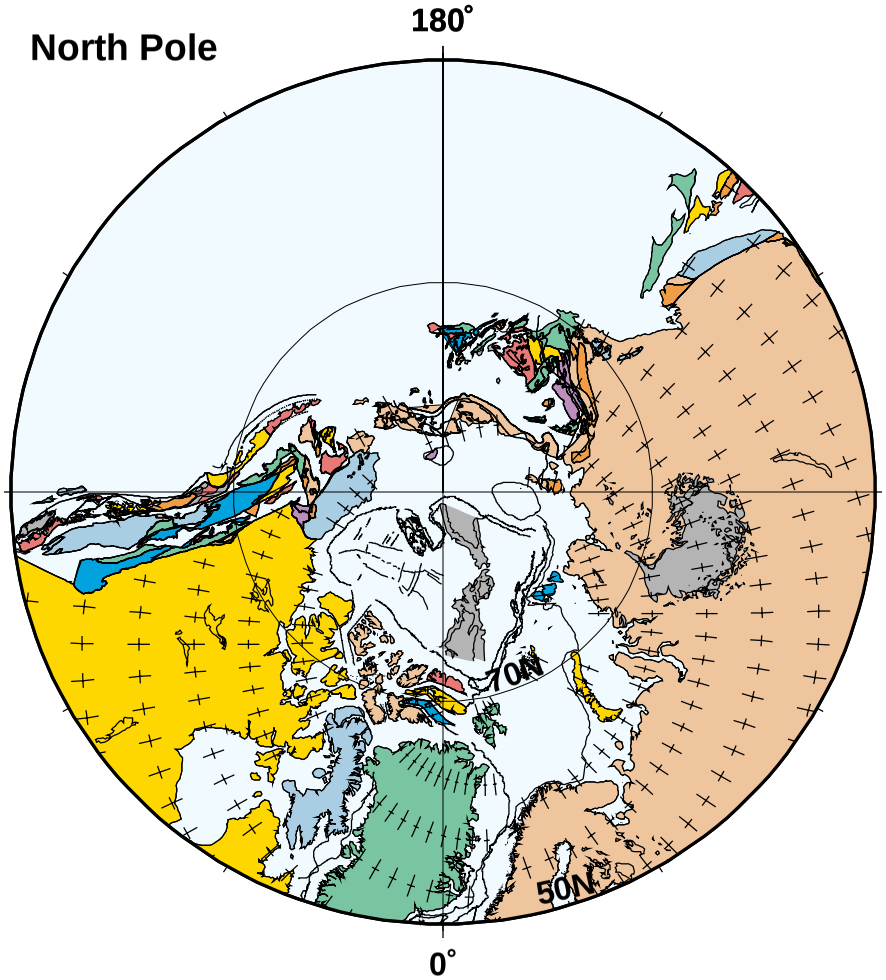


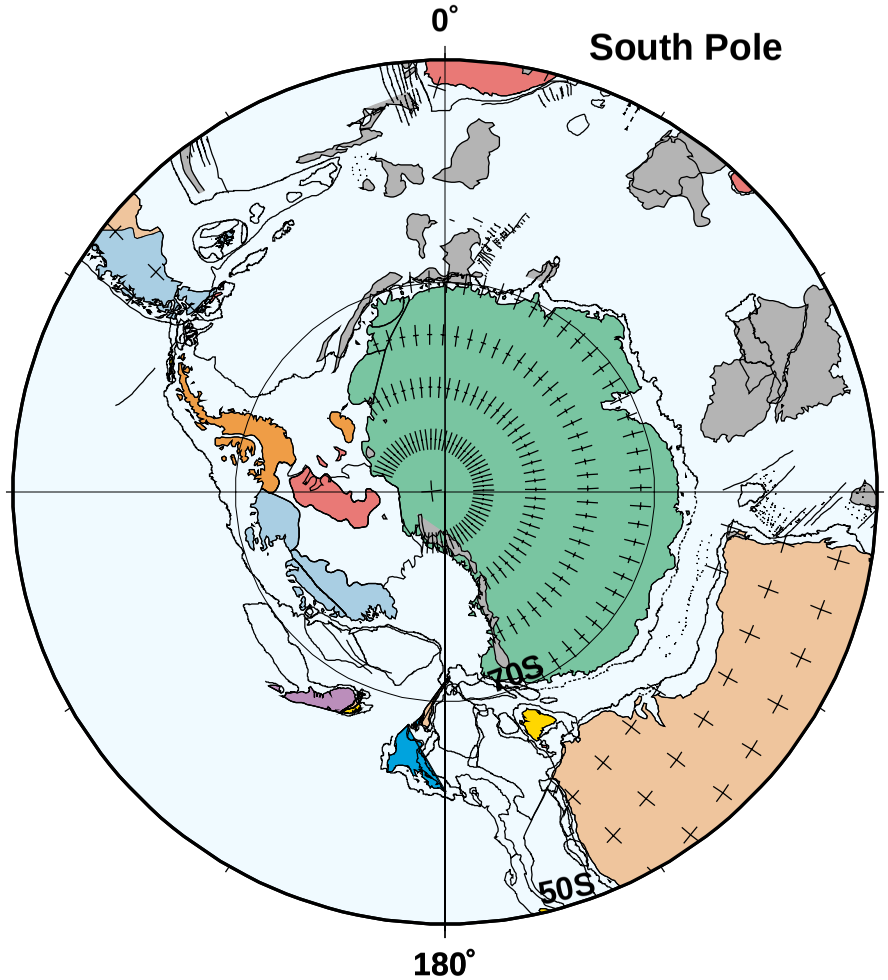


120 Ma

PLATES/UTIG

Aptian (Early Cretaceous)

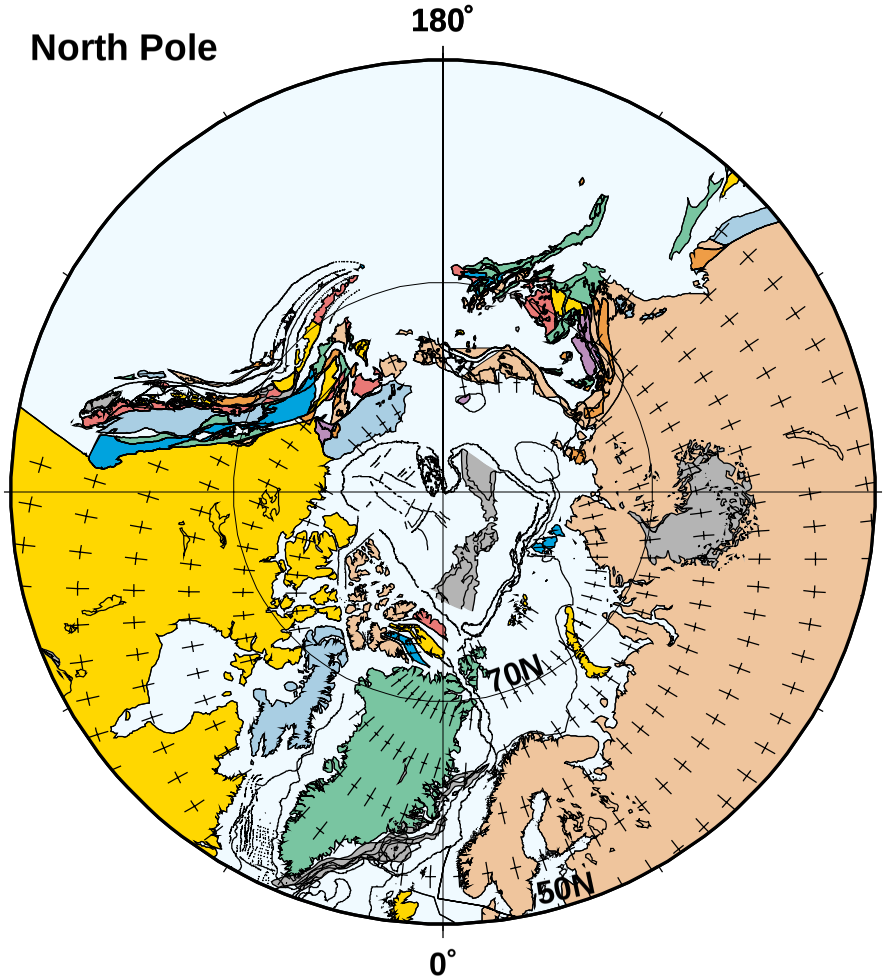


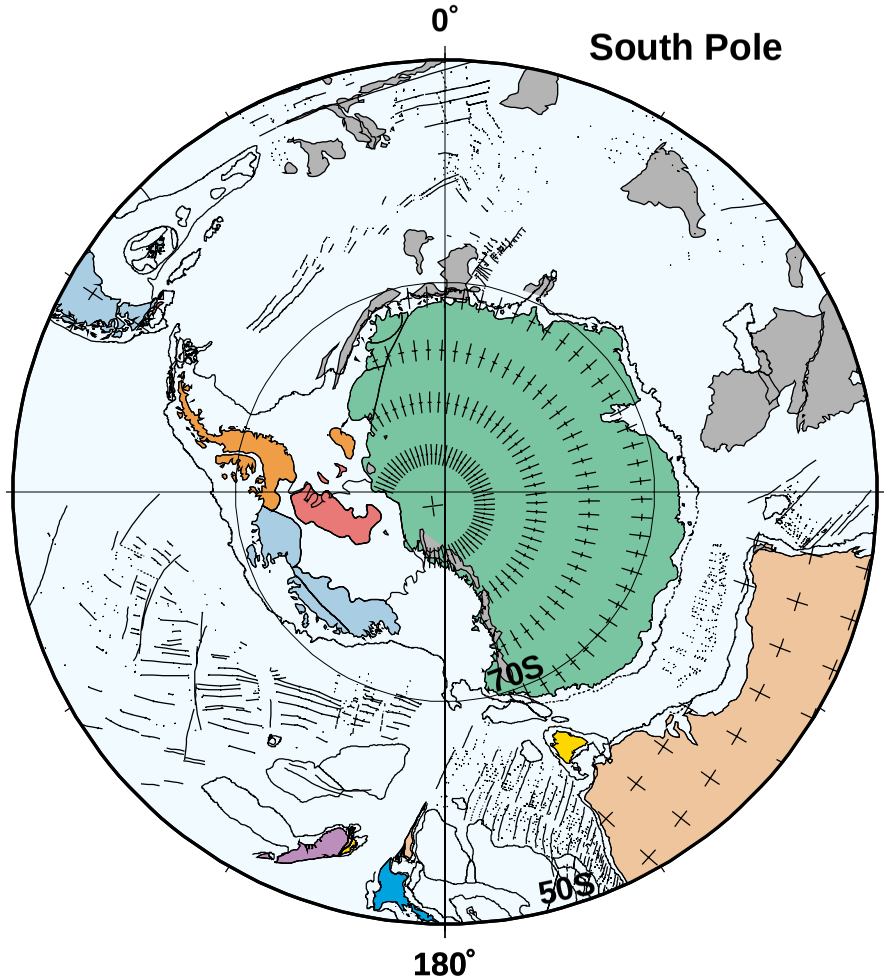


090 Ma

PLATES/UTIG

Turonian (Late Cretaceous)

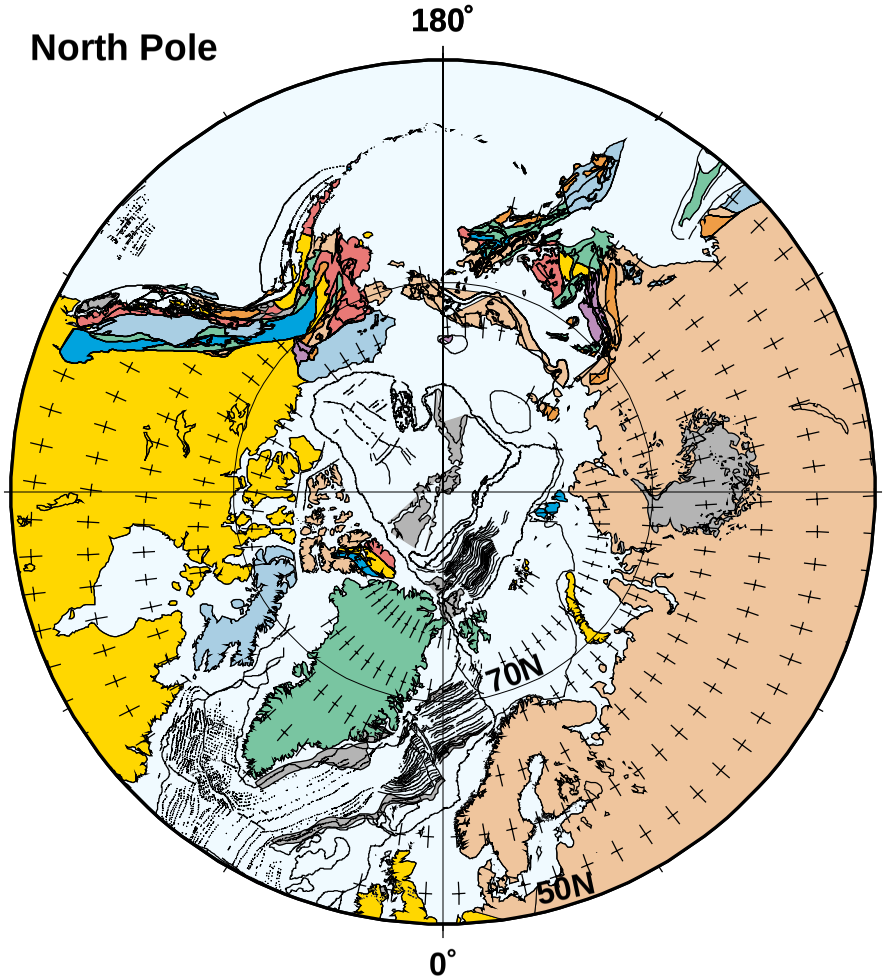


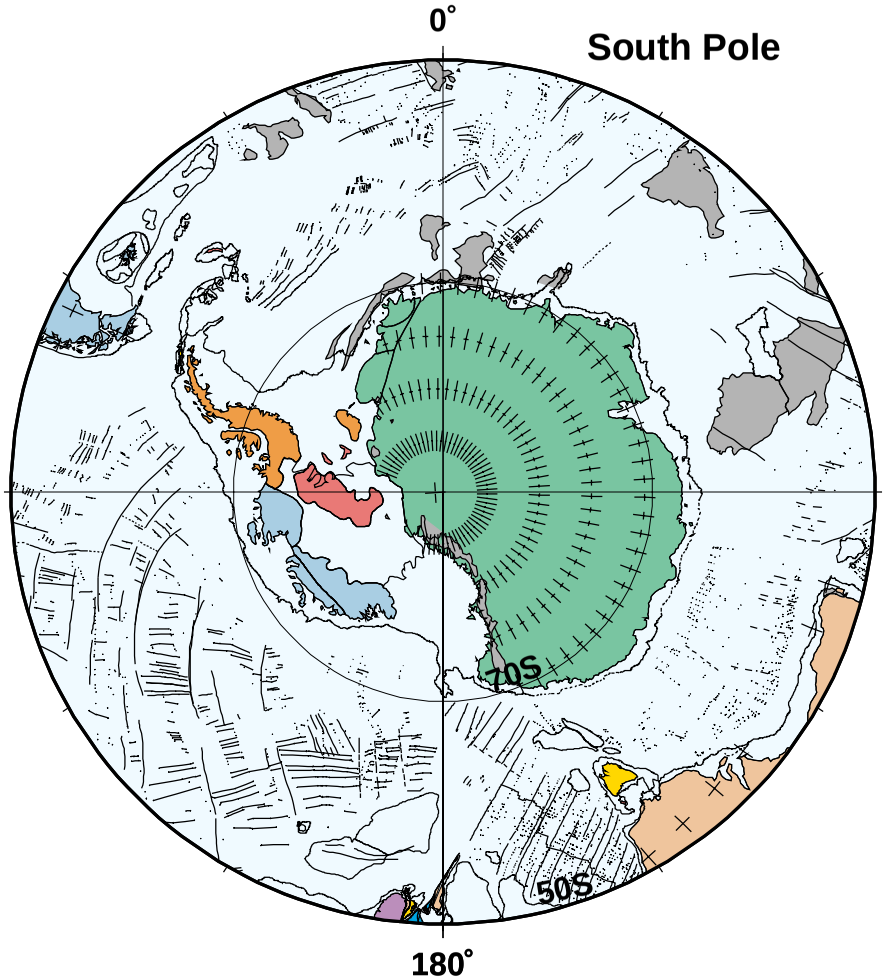


060 Ma

PLATES/UTIG

Late Paleocene

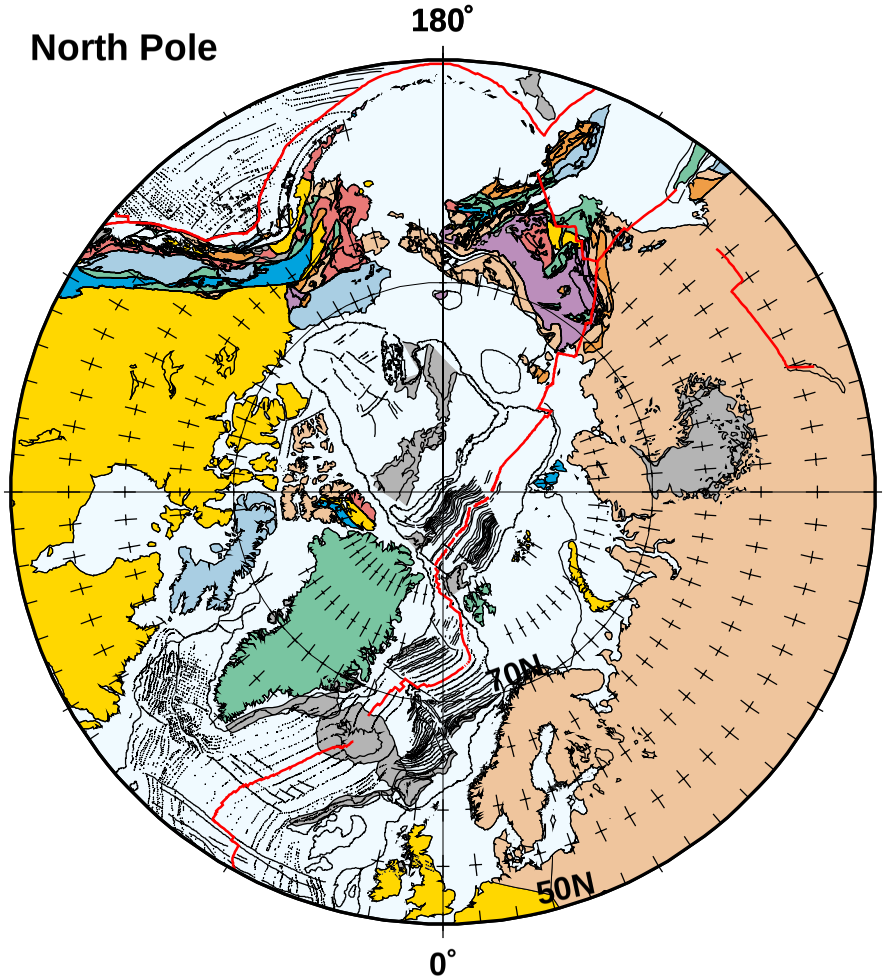


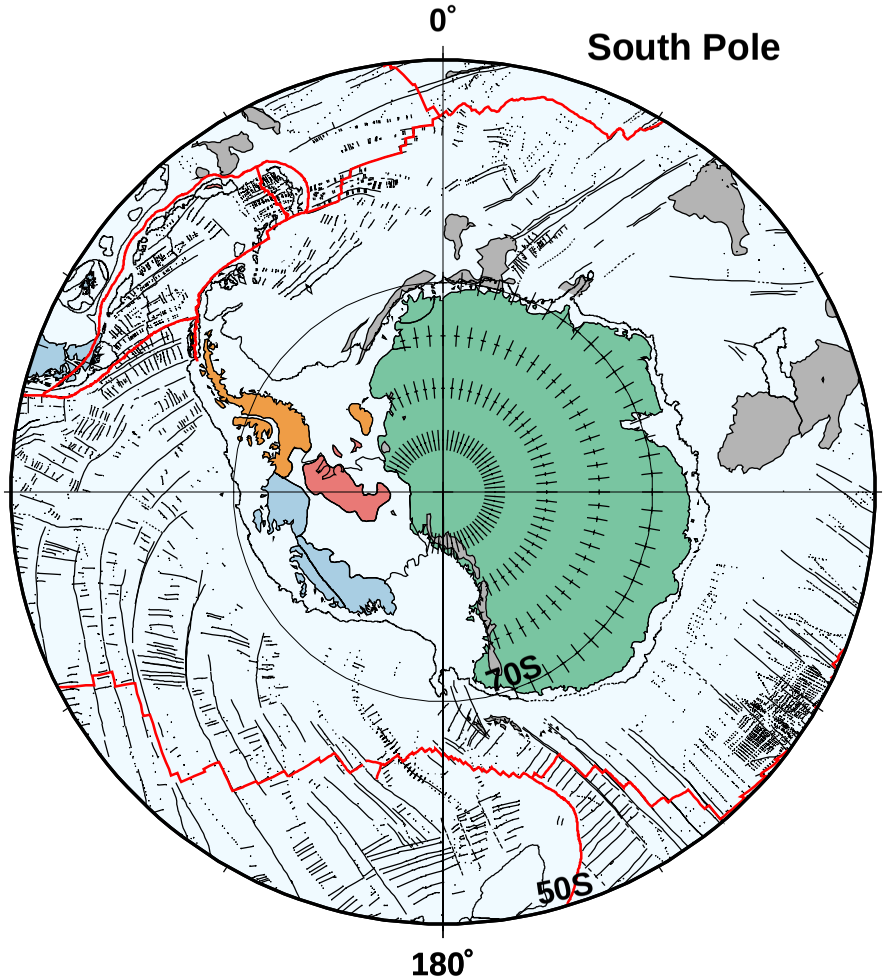


030 Ma

PLATES/UTIG

Early Oligocene





000 Ma

PLATES/UTIG

Present Day

References for Plate Model

Ames, L., Tilton, G.R., and Zhou, G., 1993, Timing of collision of the Sino-Korean and Yangtse cratons: U-Pb zircon dating of coesite-bearing eclogites, Geology, 21:339-342.

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