Geological Map of the Mangatolu Triple Junction

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METAL EARTH

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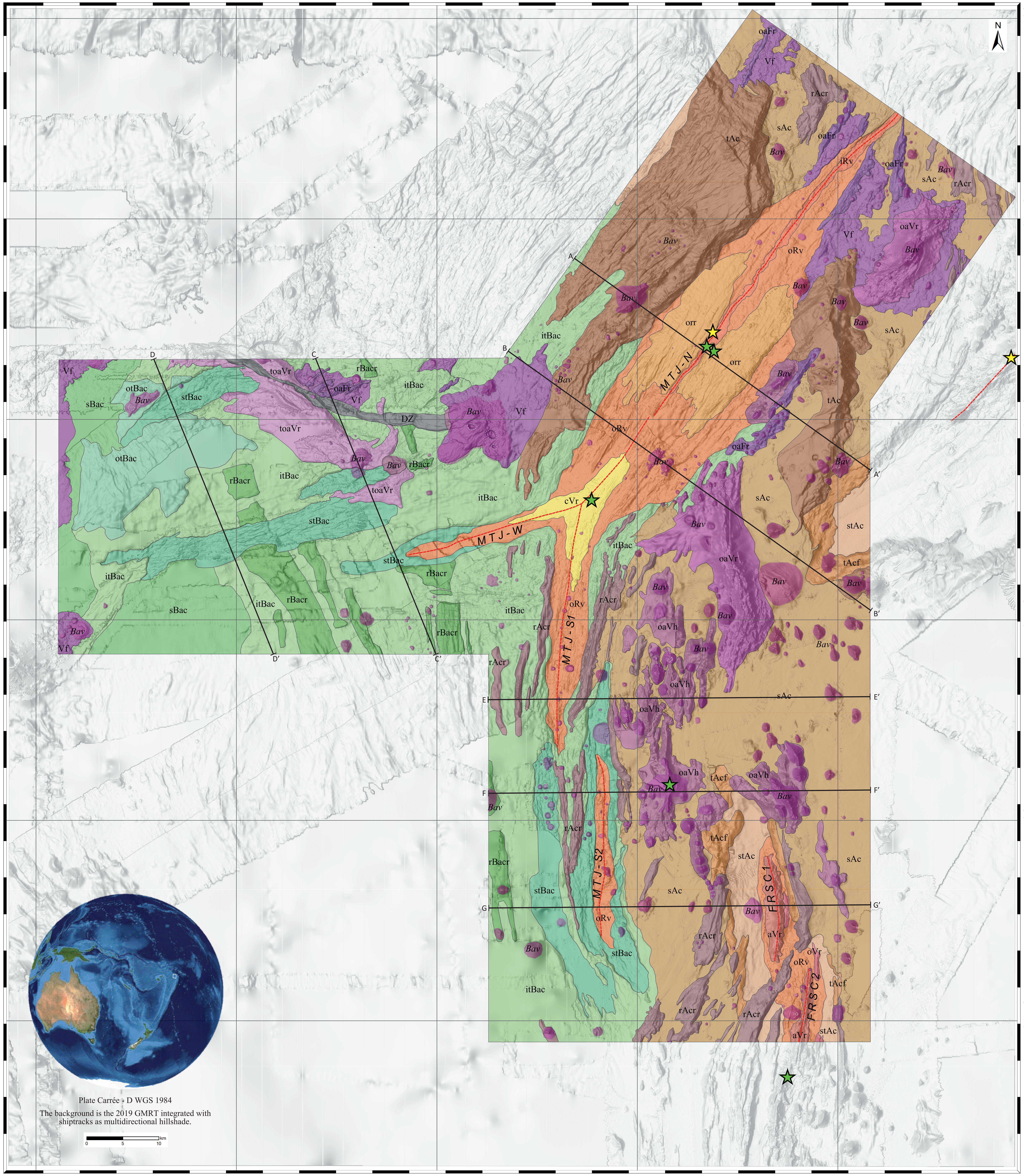

Legend

Geological Formations

Off-axis volcanic formations

- Bav — Volcano
- Vf — Volcanic field
- oaFr — Off-axis fissure ridge
- oaVh — Off-axis volcanic high
- toaVr — Tectonized off-axis volcanic ridge
- oaVr — Off-axis volcanic ridge

Neo-volcanic formations

- iRv — Inner rift valley
- aVr — Axial volcanic ridge
- cVr — Central volcanic rise
- oVr — Outer volcanic ridge
- orr — Outer rift rise
- oRv — Outer rift valley

Back-arc crust formations

- stBac — Subsided tectonized back-arc crust
- itBac — Inner tectonized back-arc crust
- sBac — Sedimented back-arc crust
- rBacr — Remnant back-arc crust ridge
- otBac — Outer tectonized back-arc crust

Arc crust formations

- rAcr — Remnant arc crust ridge
- stAc — Subsided tectonized arc crust
- tAcf — Tectonized arc crust flank
- sAc — Sedimented arc crust
- tAc — Tectonized arc crust

Other formations

- DZ — Deformation zone

Linear features

- Spreading axis

Other features

- Summit crater
- Seafloor massive sulfide (SMS)
- SMS Plume

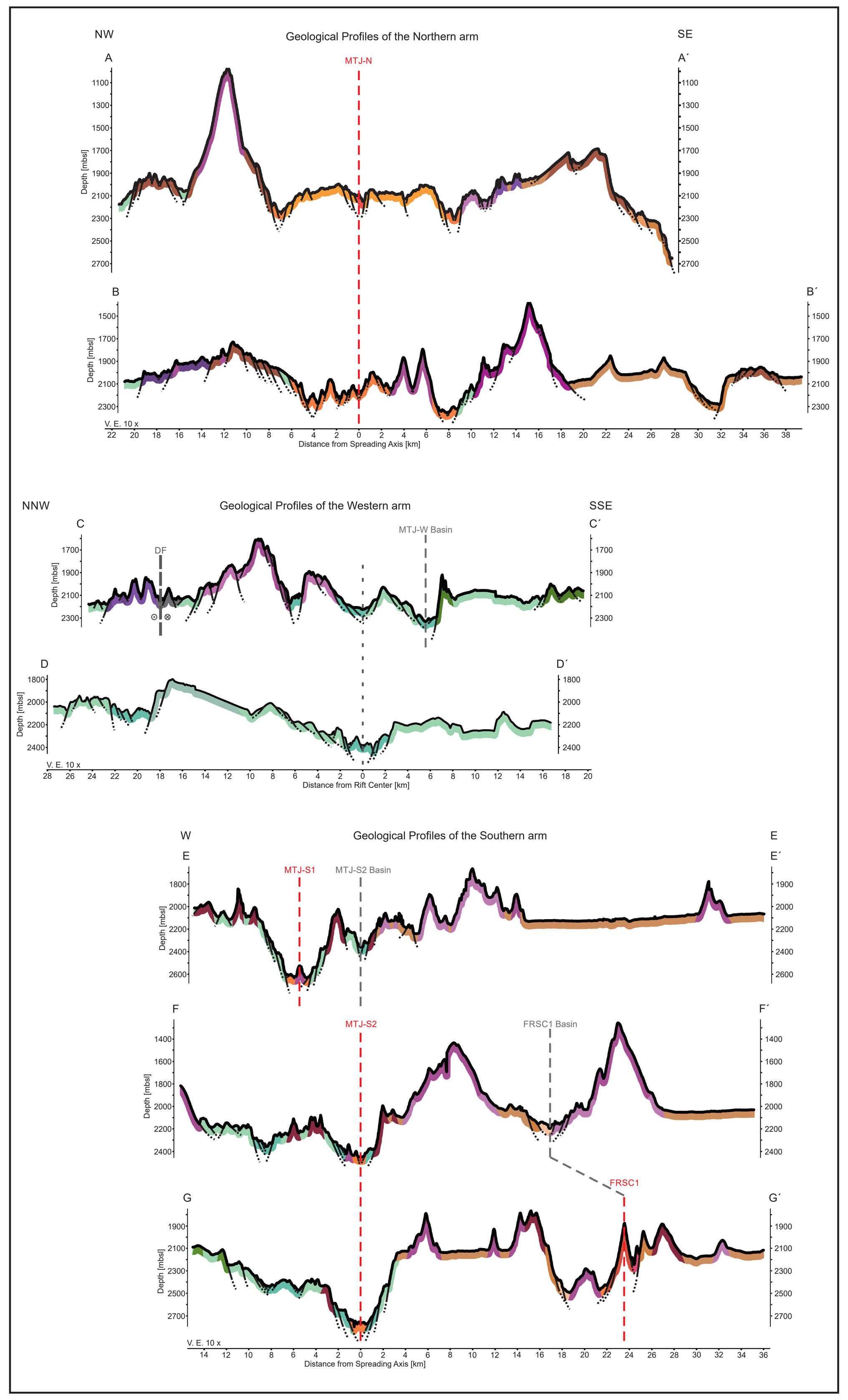

Figure 1: Geological Cross-Sections of the MTJ with the surface geology extrapolated onwards

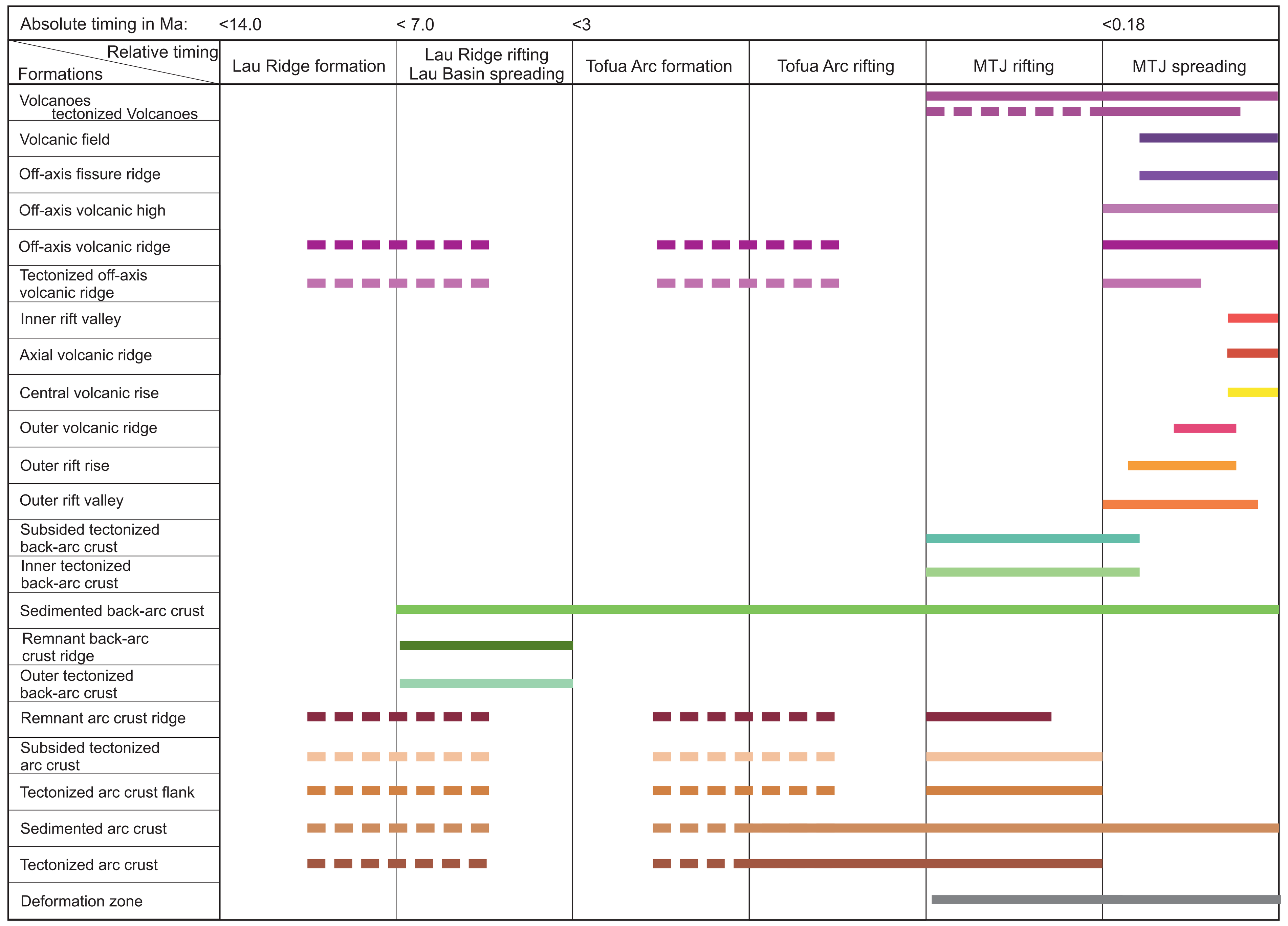

Figure 2: Geochronological chart of the Formations of the MTJ. Dashed lines indicate a possible time of origin of the base for these formations