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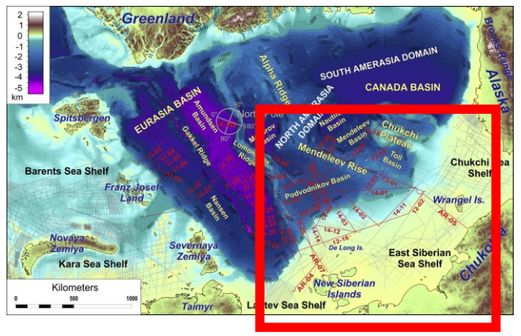
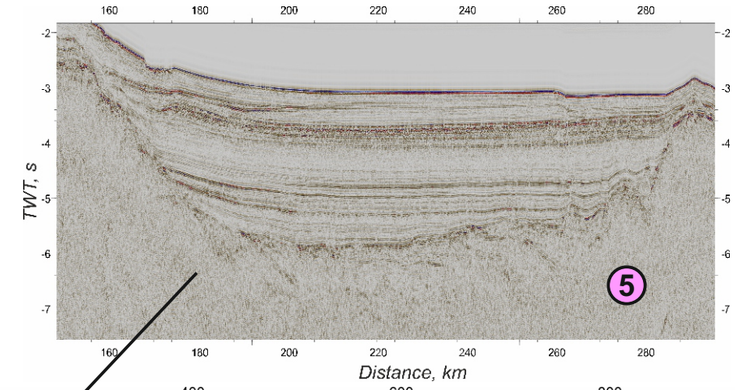
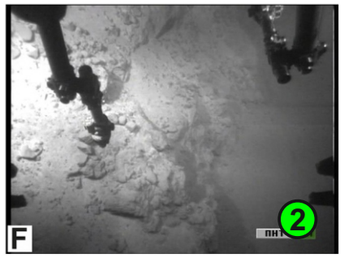
Mendeleev Rise basalts compile an acoustic basement of the North Chukchi Basin?

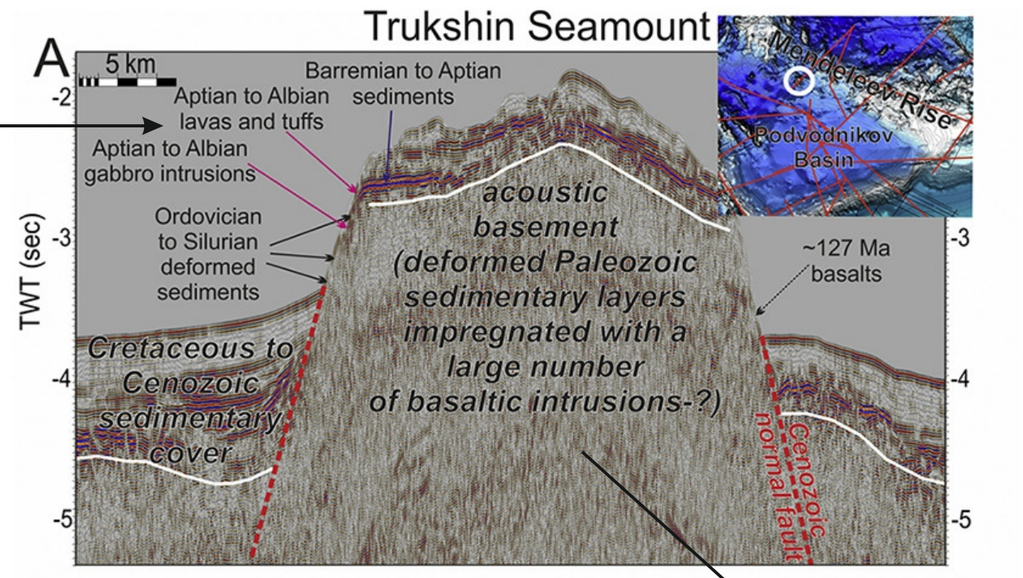
EGU General Assembly 2021

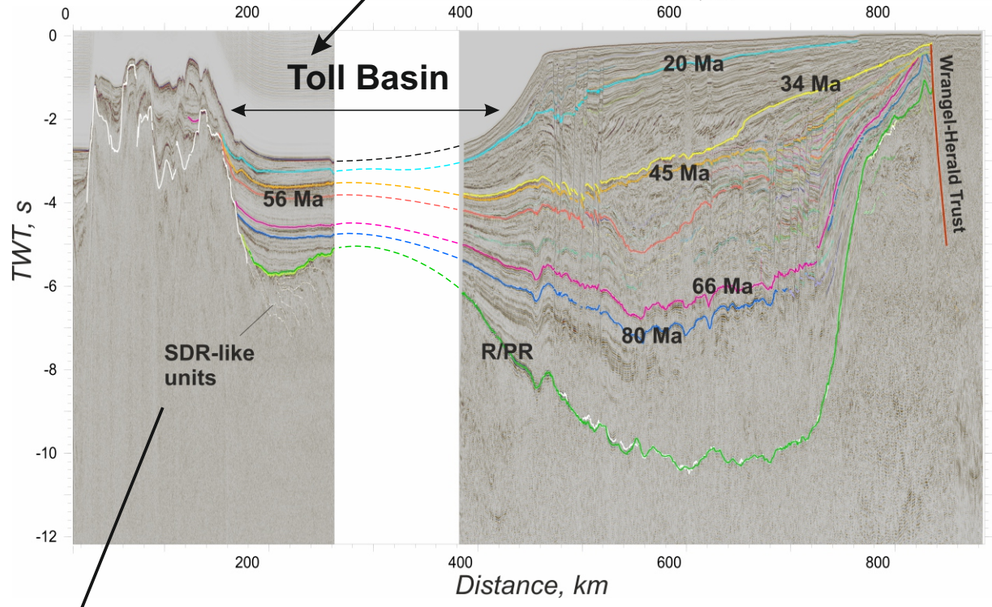


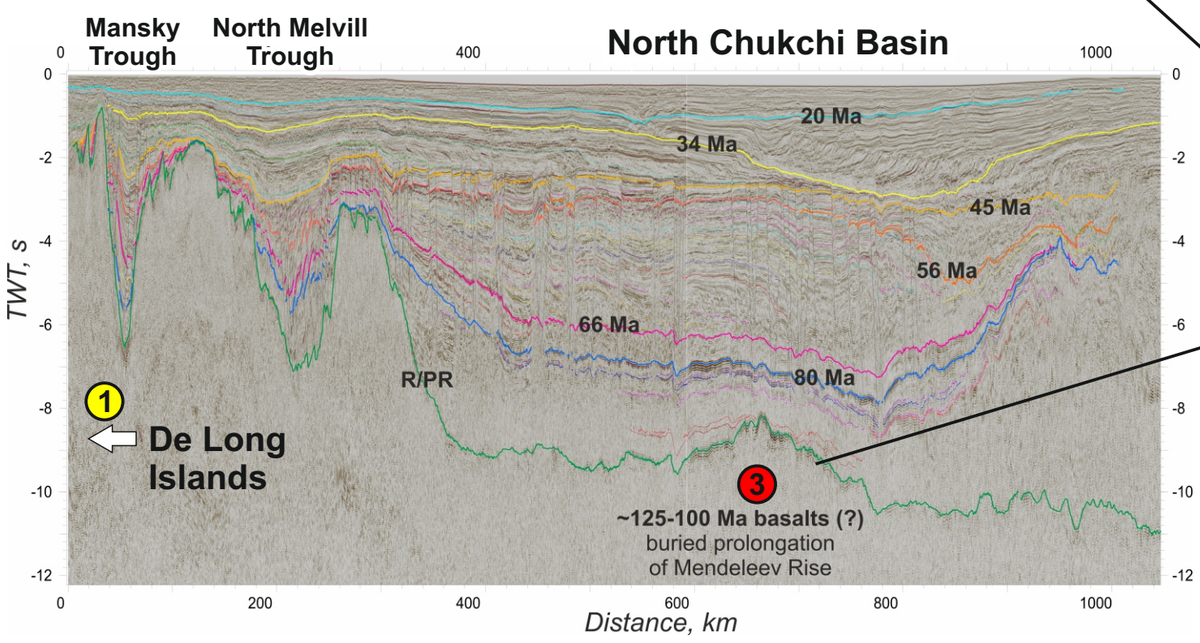
1. Rifting ~125 Ma on the De Long Islands
2. Basalts 127-80 Ma from seafloor scarps on the Mendeleev Rise
3. Prolongation of Mendeleev Rise under sedimentary cover of the North Chukchi basin
4. Magnetic anomalies interpreted as magmatic features
5. SDR-like units - possible evidence of the rifting magmatism
6. Presumable Aptian-Albian magmatic features near the Wrangel island

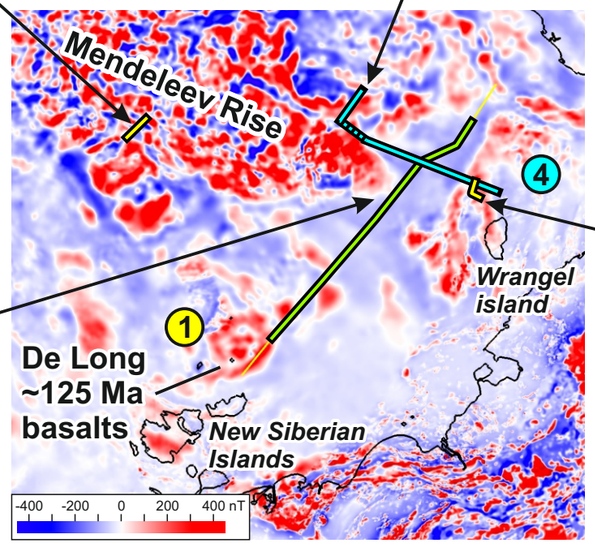
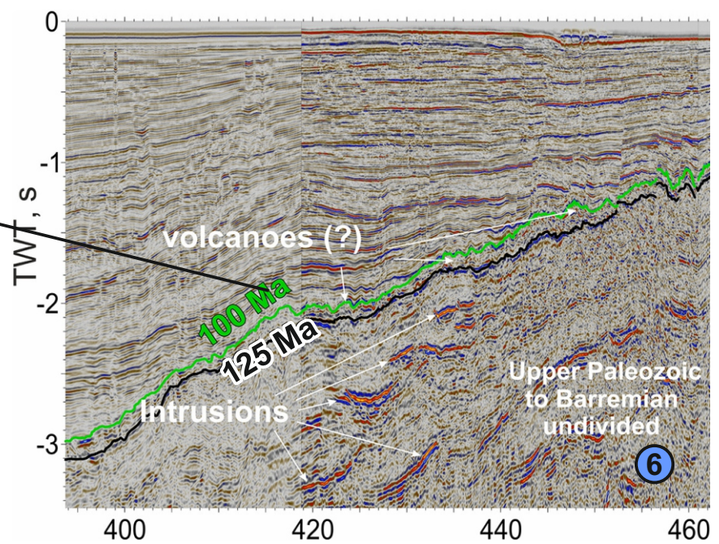












Magnetic anomalies map