



## **New paleomagnetic data from the dolerite sills of the northern Uchur-Maya region (south-east of Siberia).**

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This research was concentrated on the Neoproterozoic dolerite sills of the northern part of the Uchur-Maya district of the Verkhoyansk fold-thrust system. A paleomagnetic study of five major sills exposed in the Sahara, Allah-Yun and Yudoma rivers valleys was carried out. Processing paleomagnetic collection, which included 175 samples, was held in IPE RAS laboratory by standard procedures. Stepwise thermal demagnetizations were carried out ( $\leq 16$  steps, to 640 °C) by using thermal demagnetizer MMTD-80, JR-6 magnetometer and cryogenic (SQUID) magnetometer 2G Enterprises. The obtained preliminary paleomagnetic directions, on the whole, correspond to the paleomagnetic directions of the previously studied sills of the south of the Uchur-Maiyay region. This makes it possible to consider objects as promising for further study and confirmation of the Siberia-Laurentia connection in Meso-Neoproterozoic.