MODELING OF WATER ISOTOPES WITH MODEL ECHAM6-WISO IN NUDGING MODE WITH REANALYSIS ERA5
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In order to validate the isotopic model of the general circulation of the atmosphere ECHAM6-wiso, modeling in nudging mode with data from reanalysis ERA5 was made. These model data were compared with experimental data on the isotope composition (δD/HDO and δ18O/H218O) of water vapor in atmospheric air for stations in Labytnangi and in Igarka created and maintained by the Climate and Environment Physics Laboratory INS UrFU and on Samoylov island, supported by the Trofimuk Institute of Petroleum Geology and Geophysics of SB RAS and the Alfred Wegener Institute (Germany), and with experimental data on the isotope composition of precipitation for the station in Labytnangi.