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**Thermohaline structure and elements of the dynamics of the surface ocean layer in certain regions of the Norwegian Sea in summer 1987 (based on results of the AREX-87 cruise)**

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**Abstract**

The article presents spatial distributions of temperature and salinity at certain depths (0, 50, 100 and 200 m) obtained from the results of measurements conducted during the AREX-87 cruise. The results were compared with the climatic data of the Levitus (1982) atlas. The integral characteristics of the thermohaline structure of the ocean--enthalpy and salt content in the active ocean layer (0-200 m)--were analyzed with regard to their distribution and variability. The global variability of water dynamics in the region of study is discussed in connection with the thermohaline structure of the upper ocean layer.