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**Assessment of changes in air temperature and precipitation in Transbaikalia/ Smakhtin V.K.** // Hydrometeorological Research and Forecasting, 2021, no. 2 (380), pp. 138-146.

The paper analyzes long-term fluctuations in average air temperature and annual total precipitation in Transbaikalia. Between 1951 and 2020, air temperature increased by 2.3 °C according to 40 weather stations. Warming is mainly manifested in the air temperature rise in February, March and April. From 1955 to 2017, the decrease in annual total precipitation was 56 mm in the Amur basin and 39 mm in the Yenisei basin. The trends are reliable at the 5% significance level. In the Lena basin, annual total precipitation during the mentioned period increased by 7 mm, the trend is not reliable at the 5% significance level.

The high-water phase has been observed since 2017. Taking into account that two previous high-water phases lasted 16–17 years, it may be supposed that a risk of precipitation above the normal will be kept in the next 13–14 years.

*Keywords:* climate change, air temperature, precipitation, phases of water content, trends

Tab. 1. Fig. 4. Ref. 4.