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Changes in climatic conditions in southeastern Transbaikalia during the growing season according to meteorological and dendrochronological data / Vakhnina I.L., Noskova E.V. // Hydrometeorological Research and Forecasting, 2021, no. 3 (381), pp. 80-98.

Climatic characteristics of southeastern Transbaikalia from May to September (the growing season), that determine the accumulation of plant biomass and, hence, agrometeorological characteristics of the territory, are analyzed. The study showed that from 1959 to 2018, there was a significant increase in air temperature values on average for the year and for the growing season. According to the values of precipitation anomalies for the last completed dry phase of the cycle (1999–2011), their increase in comparison with the previous one (1963–1982) is noted. From 2012 till now, a phase of increased moisture has been recorded. The tree-ring chronologies constructed from trees growing in southeastern Transbaikalia can be used to reconstruct the parameters of heat and moisture supply of the territory and to analyze climatic changes over a period significantly exceeding the series of meteorological observations (up to 500 years).

Keywords: air temperature, precipitation, drought and moisture indices, dendrochronology, radial growth

Tab. 3. Fig. 6. Ref. 34.