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Change of episodes with low ceiling and low visibility at aerodromes in the Russian Federation for 2001–2010 / Ivanova A.R., Skriptunova E.N. // *Hydrometeorological Research and Forecasting*, 2022, no. 2 (384), pp. 53-68.

The results of a survey of aviation stakeholders on the significance of the impact of climate change on aviation are briefly presented. It has been found that pilots, air traffic controllers, airline operators, etc. are most interested in information related to climatic changes in the regime of low ceiling and visibility at aerodromes. Based on METAR data for 2001–2020, the variations in the number and duration of episodes with low visibility (≤ 350 and ≤ 800 m) and low ceiling ≤ 60 m at 49 international aerodromes of the Russian Federation are investigated. It was found that about 20% of the aerodromes during the period under study showed an increase in the number of episodes with low ceiling, almost the same number of aerodromes showed an improvement in the situation with low visibility. The change in the average and maximum duration of such episodes for each aerodrome is analyzed.

Keywords: aviation, climatic change, fog, ceiling, visibility, aerodrome observations

Tab. 6. Fig. 1. Ref. 18.