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**Analysis of the synoptic process accompanied by strong wind in the Central Chernozem Region on January 14–15, 2022** / Dmitrieva T.G., Sannikova G.V., Smirnov A.V. // Hydrometeorological Research and Forecasting, 2022, no. 2 (384), pp. 78-97.

The case of occurrence of a strong wind, which is rare for the winter period, in the gradation of a dangerous phenomenon ( $\geq 25$  m/s) in the Central Chernozem region (Stary Oskol, Belgorod region) is considered. For comparison, the examples of similar cases of strong wind in the same area in 2008 and 2011 are given. Conditions for the occurrence of the considered dangerous phenomenon are analyzed on the basis of upper-air and satellite observations, as well as using the forecast fields of WAFC London significant weather maps. It is suggested that wind speed has reached the criterion of a dangerous phenomenon when such factors as the passage of active atmospheric fronts and the low-level jet match.

*Keywords:* strong wind, winter period, atmospheric fronts, low-level jet

Tab. 3. Fig. 15. Ref. 12.