

DOI: <https://doi.org/10.37162/2618-9631-2025-2-44-63>

Analysis of formation environments and prediction features of freezing rain and glaze in the Moscow region / Dmitrieva T.G., Vasil'ev E.V. // Hydrometeorological research and forecasts. 2025, no. 2 (396), pp. 44-63.

Formation environments of freezing rain and glaze, methods for their forecasting are considered. The analysis of the cases of these phenomena observed in the Moscow region in the cold seasons of 2023–2024 is performed. Approaches to operational forecasting of the events using the available modern set of information, in particular, the results of the high-resolution ICON-Ru, COSMO-Ru2.2, and COSMO-Ru6 numerical weather prediction models are analyzed. Recommendations for operational forecasters and an algorithm for forecasting freezing rain and glaze for a period up to 3 days are proposed by the example of the Moscow region.

Keywords: forecast of freezing rain and glaze, Moscow, cold season, products of high-resolution numerical weather prediction models

Tab. 2. Fig. 6. Ref. 18.