



The evolution of the high-latitude blocked anticyclone during the 2012 winter in the Northern hemisphere

Natalia Sokolikhina, Alexander Kislov, Galina Surkova, and Eugeny Semenov

Lomonosov Moscow State University, Meteorology and Climatology, Moscow, Russian Federation (galina_surkova@mail.ru)

At present time on the Department of Meteorology and Climatology of the Faculty of Geography of MSU by Lomonosov, the topic, concerned to the dangerous hydrometeorologic events over the Russia, is investigated. A great deal of attention is given to the study of the extremely strong warming in Arctic. Earlier the processes of the synoptic scale during the 2011-2012 winter, which was the most warmest in Arctic for the whole history of meteorologic observations, were investigated. It was shown, that the reason of such an event was the situation of the westerly wind blocking. At present study the method of the analysis of the vortex as of the united formation was used. And the factors, influencing on its evolution, were obtained.

Keywords: dangerous hydrometeorologic events, warming in Arctic, westerly wind blocking, analysis of the vortex as of the united formation