Weather Conditions over the Russian Federation in 2007

By and large, the year 2007 was abnormally warm in Russia. The mean annual air temperature anomaly averaged over the Russian territory was 2.0°C (Fig.1). Last winter and summer were also abnormally warm over the Russian territory, with mean seasonal air temperature anomalies being 3.2° and 1.6°C, respectively (Fig.2). In spring and fall, mean seasonal air temperature anomalies ranked second for the period in question. For the whole of Russia, in spring and fall, the air temperature anomaly attained 2.6° and 1.7°C, respectively. January in 2007 proved to be abnormally warm over most of Russia. The vast territory of Russia, from its western boundaries to the Lena River, has not experienced such high temperatures for a period of 117 years i.e. for the entire period of regular meteorological observations. As a result, the January 2007 in Russia has proved to be the warmest since 1893. Severe Atlantic storms moved southeastwards, and their leading edge reached the north of Russia. The intensity of snowfalls was so high. At 24 meteorological stations of the territory, the absolute daily precipitation maximum was exceeded (Fig.5). In March, the Maritime Territory received three to four monthly precipitation normals.

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