



Storm activity in North Atlantic and It's impact to climate anomalies in North Russia

N. Vyazilova

Russian Research Institute of Hydrometeorological Information - World Data Center, Obninsk, Russian Federation
(nav@meteo.ru)

This study based on automated cyclone tracking algorithm and the 6-hourly SLP from the NCEP/NCAR reanalyses from 1979 to 2008. The study includes the analyses of storm intensity variability for North Atlantic and European region for winter and summer seasons; calculating of integral storm activity index for regions, outstanding by maximum of storm intensity variability; the comparison of storm intensity anomalies pattern for selected years, based on standartized anomalies of integral storm activity index for Russian region; the comparison of composite mean storm intensity anomalies pattern for selected years with positive and negative extremes NAO; the comparison of storm intensity anomalies pattern for winter season 2007/08 with positive and 2005/06 with negative extremes NAO; the comparison of storm intensity anomalies pattern for winter season 1994/05 and 1980/81, outstanding by positive extremes NAO, but with strong and weak storm intensity over North Atlantic and North Europe; the analyses of correlating for storm intensity anomalies and climatic extremes indicators over North Russia.