



Regime dependant and conditional verification of accumulated precipitation in the COSMO_PL

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The numerical weather prediction model - COSMO_PL (7km resolution) runs operationally in Institute of Meteorology and Water Management, Poland.

The spatial and temporal variations of the accumulated precipitation in under different synoptic conditions and different geographic sub-regions are the goals of this work.

The weather and circulation type classification is based on three indices, calculated from gridded MSLP (mean sea level pressure) data, for estimating the advection of air masses as well as a cyclonic characteristic (Litynski). With the classification 27 different circulation patterns are obtained.

The primarily results of weather dependant and conditional verification of accumulated precipitation are shown. The study refers to selected periods from June 2010 to February 2011.