



COSMO-CZ-EPS verification and uncertainty assessment

Petr Zacharov, Daniela Řezáčová, and Zbyněk Sokol

Institute of Atmospheric Physics ASCR, Dept. of Meteorology, Prague, Czech Republic (petas@ufa.cas.cz)

The study presents experiences with an ensemble COSMO-CZ-EPS. This short-range ensemble prediction system is computed on the Institute of Atmospheric Physics ASCR on the initial, lateral and boundary conditions from COSMO-LEPS. The COSMO-LEPS ensemble is driven by 16 selected members from ECMWF ensemble. The COSMO-CZ-EPS is integrated in 2.8km horizontal resolution on the domain covering the Czech Republic and near neighbourhood. The integration started at 0600UTC and finished at 2400UTC of the same day.

This study compares a precipitation forecasts from COSMO-LEPS and COSMO-CZ-EPS. For the verification, we choose the summer precipitation from 2012 (July-August).

In the second part we examine the spread-skill relationship among various spread characteristics and skill of the precipitation forecast.

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