

Extratropical cyclone tracks forecast from the INM-SREPS

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In previous works a procedure to detect, characterize and monitoring the evolution of the extratropical cyclones from numerical model analyses was developed and some climatologies of these cyclones were obtained. At present a Short Range Ensemble Prediction System (SREPS) is available in the INM and it has made possible the probabilistic forecast of cyclones. In this work the tracking algorithm has been applied on the INM-SREPS. The most probable evolution of cyclones, their displacement, growth and decay and some features have been forecasted. The comparison between the evolutions from the forecast and from the ECMWF operational analyses can be used for verification purposes.