

ANALYSIS OF THE HIRLAM PREDICTION FOR THE 30 SEPTEMBER 1997 FLASH FLOOD IN SPAIN

L. Gimeno(1), L. Cana (2), E. Hernandez(3), R. Garcia(3), J.Diaz(4)

1. Physics Department, Campus de Orense. Universidad de Vigo

2. Physics Department, ULPGC

3. Catedra de Fisica del Aire. Universidad Complutense de Madrid

4. C.U.S.P. Universidad Autonoma de Madrid

The Spanish Meteorological Institute (INM) is a partner of the HIRLAM project (HIRLAM system version 2 currently running for the short-range forecasting). Based on the case study of the 30 September 1997 flash flood, we analyse several output fields (wind, temperature, humidity, total amount of precipitation,...) to check the performances of the HIRLAM. The model prediction presented a good agreement with the phenomenon we are dealing with, depicting clearly the high intensity precipitation areas, although the model underestimated the total amount of precipitation registered.