

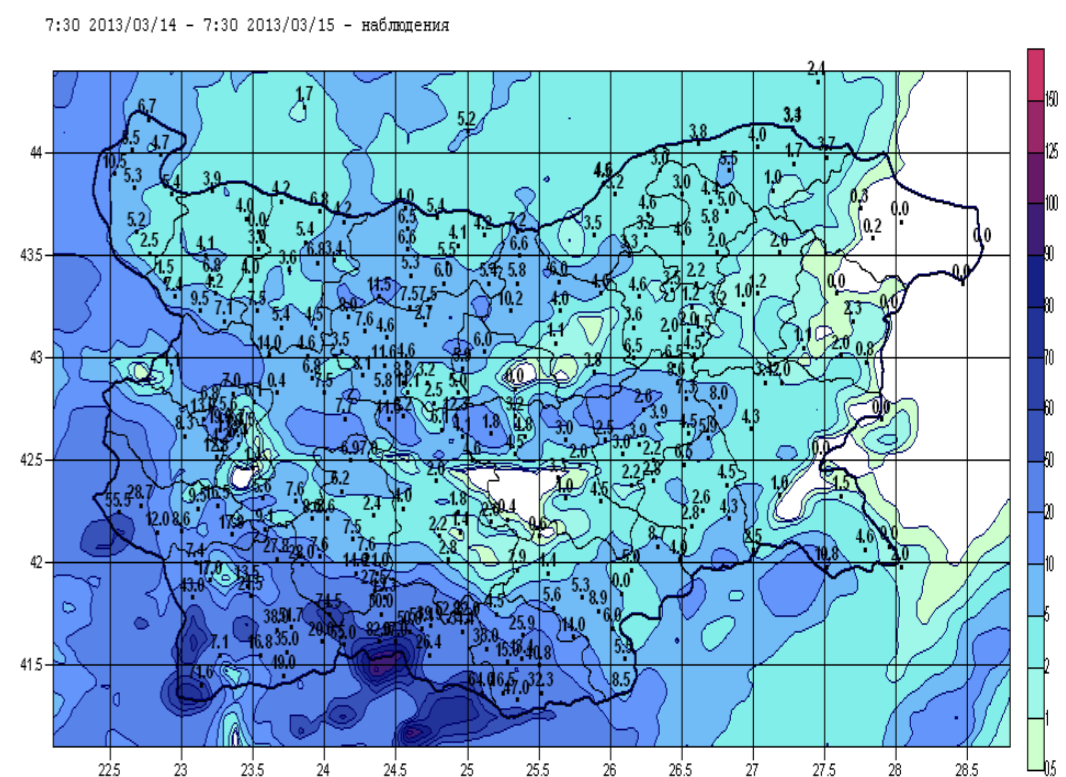
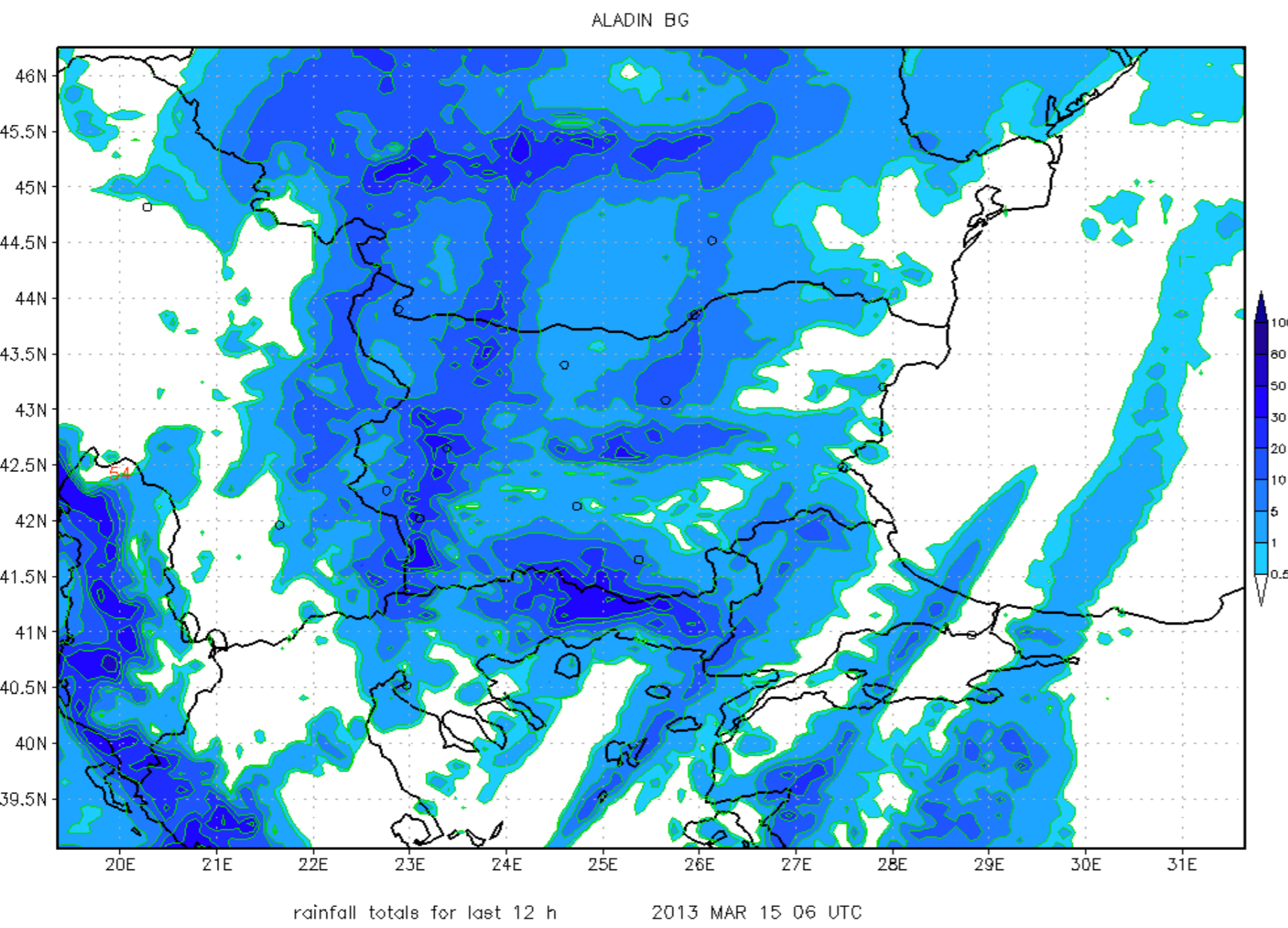


Andrey Bogatchev and Boryana Tsenova

National Institute for Meteorology and Hydrology, Bulgarian Academy of Sciences, Sofia, Bulgaria

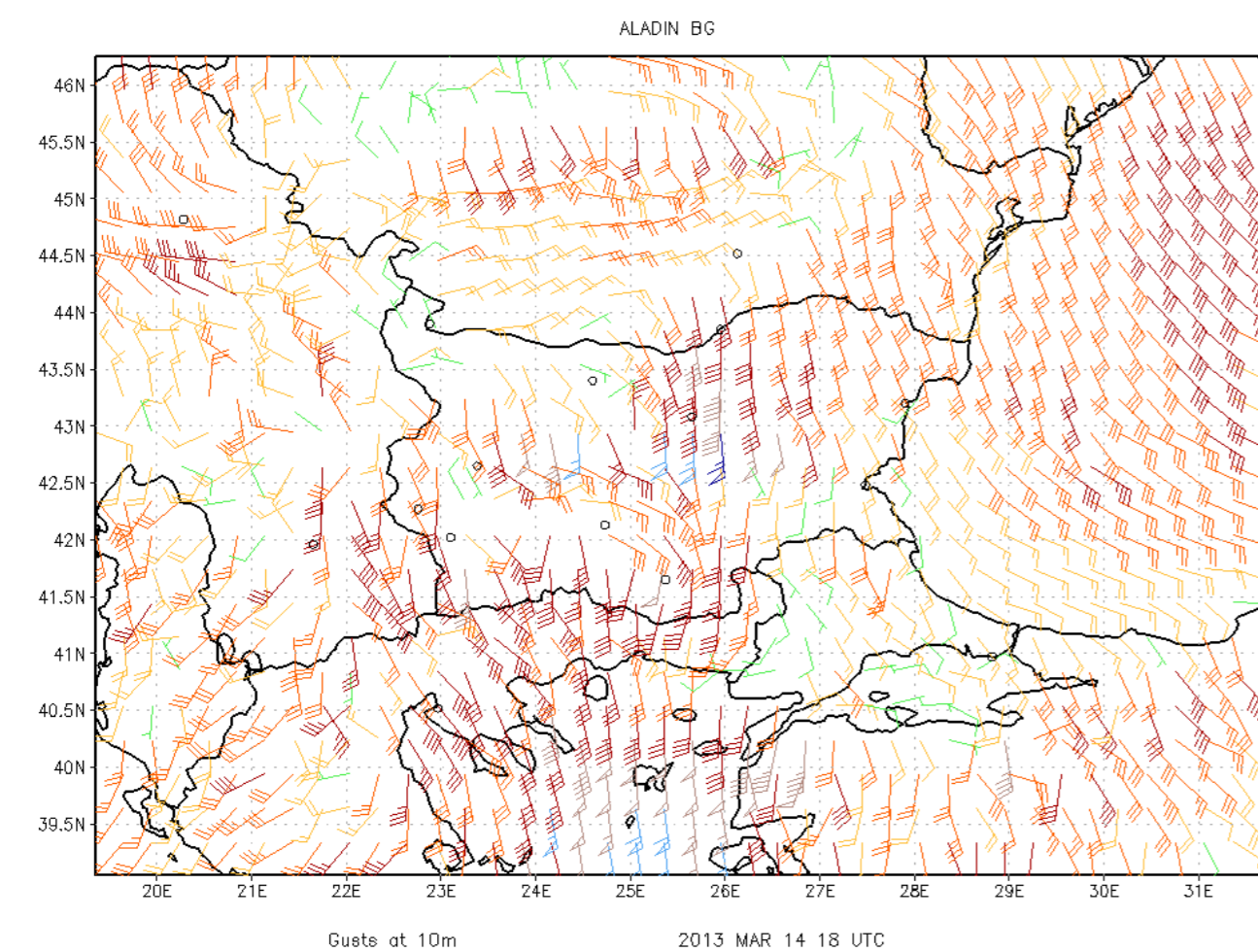
Bulgarian operational application switched to the code version based on cy37t1 on 16 July 2012.

New operational suite is with new integration domain 167x129 points with horizontal resolution 7000 m and 70 vertical levels. It is using SURFEX for parametrisation of the surface processes. There is new post processing domain with 165x97 points and resolution 0.075x0.075 degrees. The forecast is produced twice daily at 06 and 18 UTC. Together with the in-line post processing there are some specific data output for dedicated end-users like marine forecast models, air quality warning systems, scheme predicting lightning activity, intensive precipitations warning system, etc.

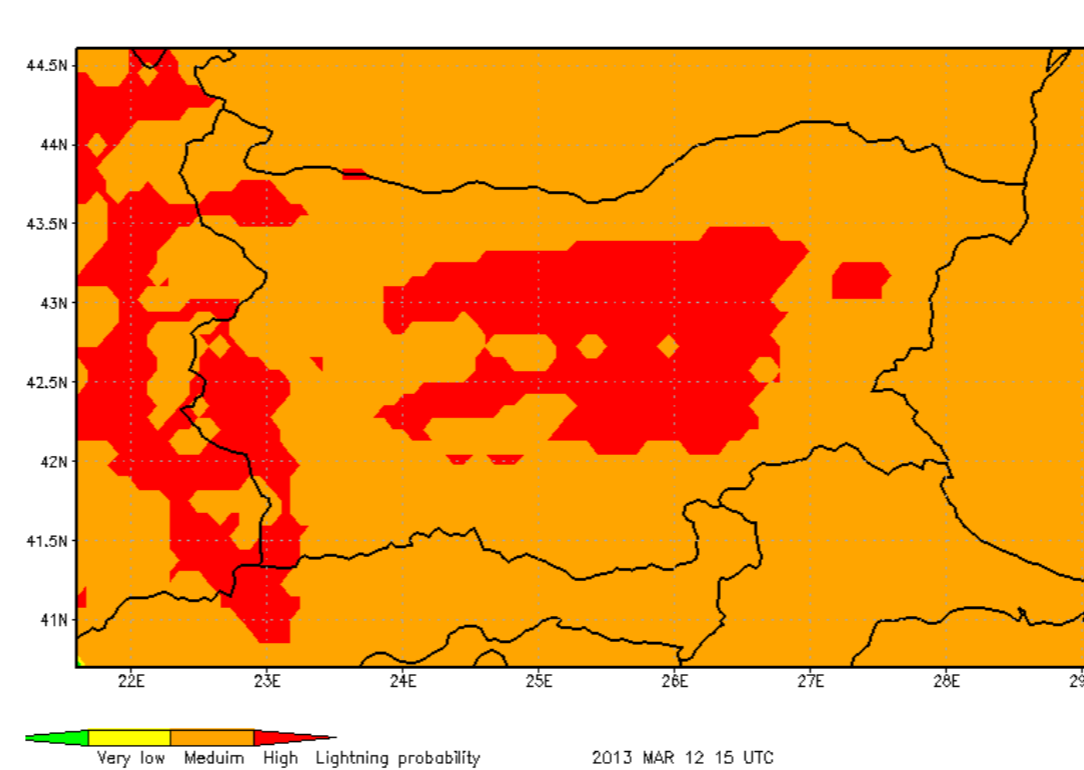


The new post processing domain : 12 h rainfall forecast for 15/03/2013

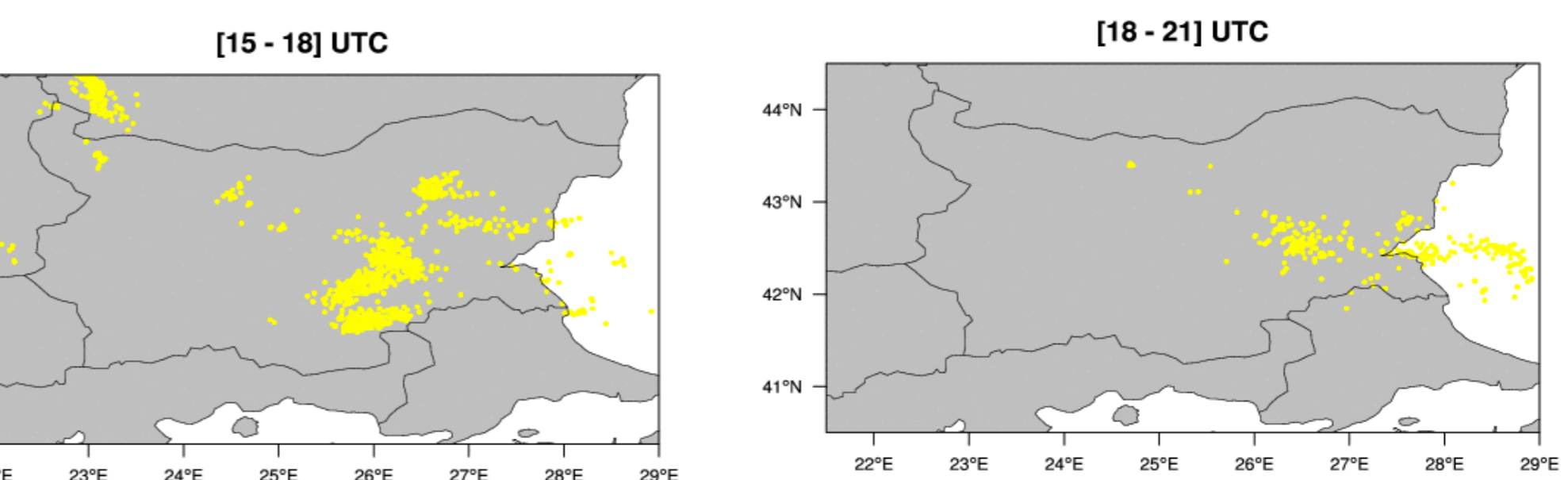
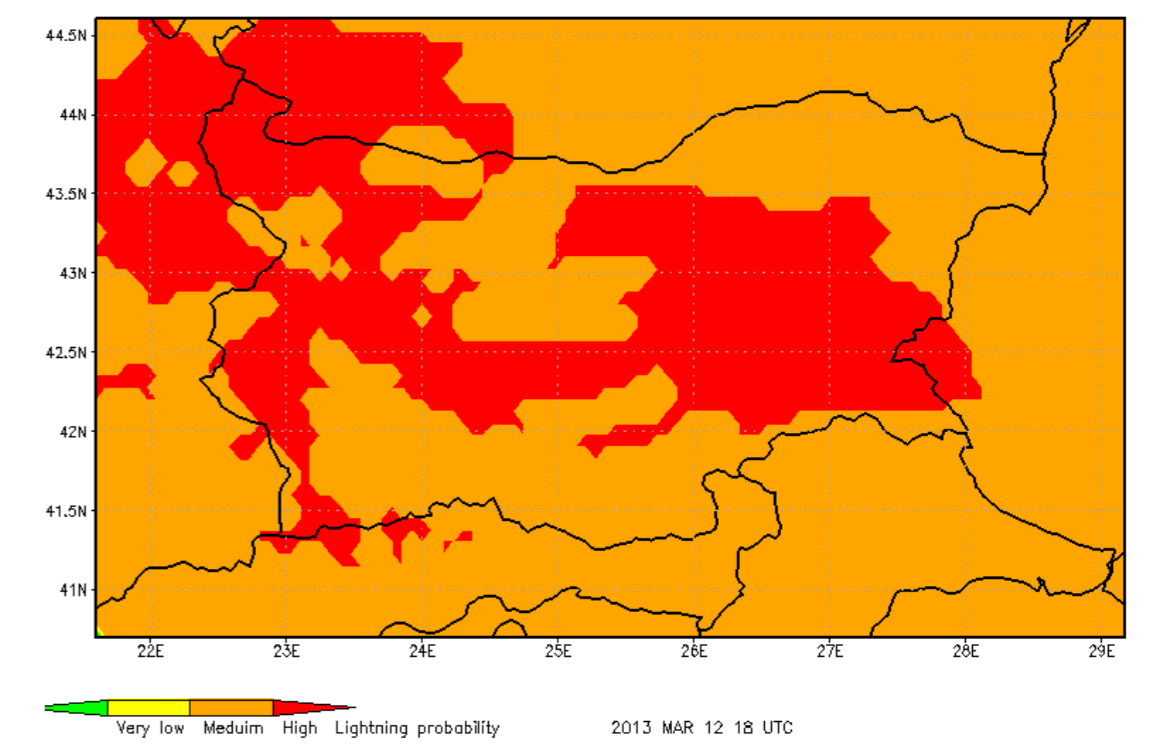
24 h rainfall for 15/03/2013 measurements



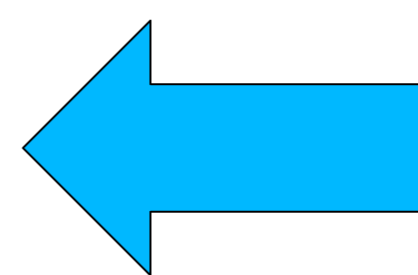
Gusts at 10 m – forecast for 14/03/13



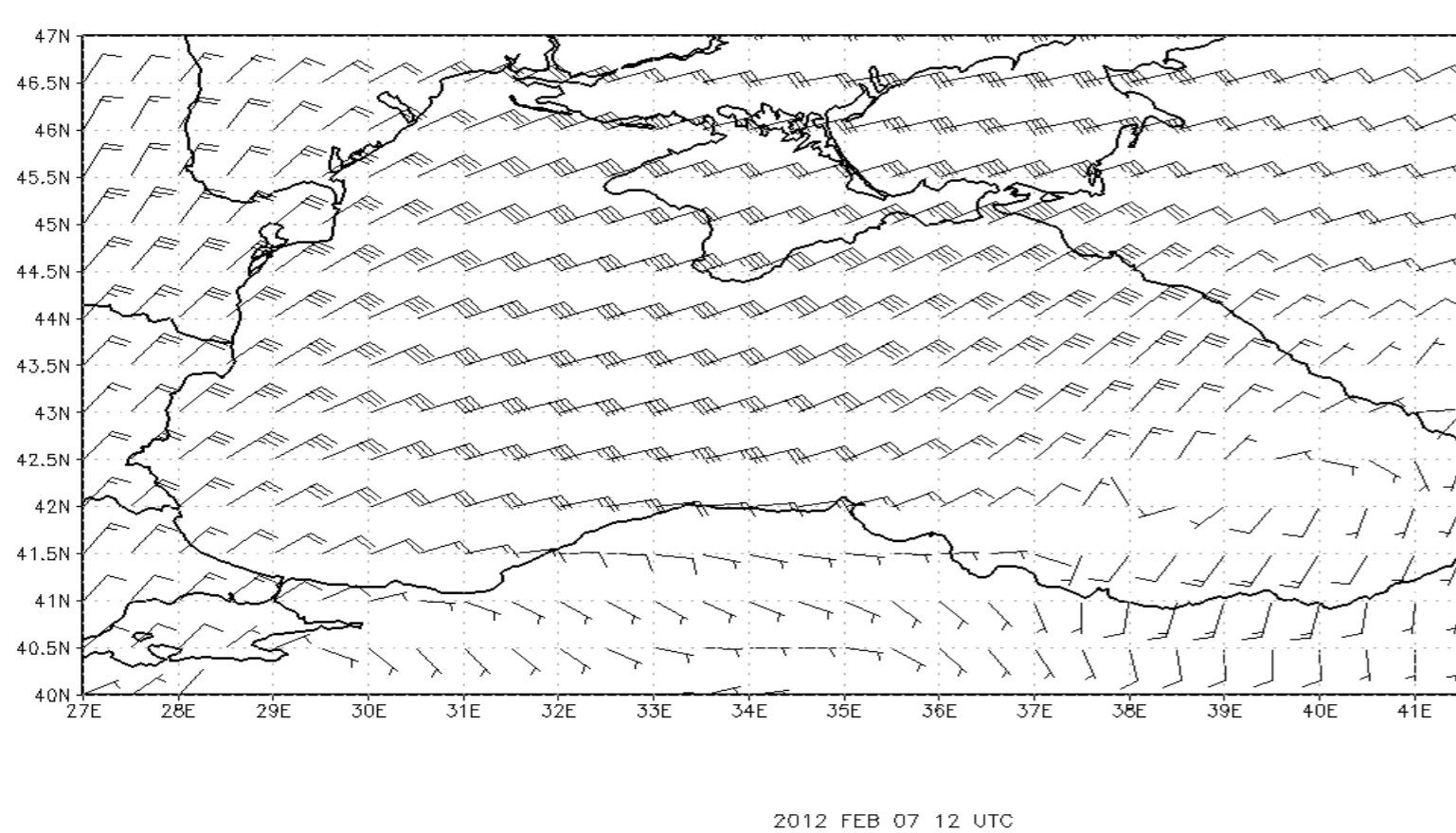
Lightning activity - forecast for 12/03/13



Lightning activity - measurements for 12/03/13 from ATDnet



Wind from storm at December 2012, obtained with downscaling of ERA interim using ALADIN at 10 u; resolution



NIMH-BAS participates the FP7 Project "Increasing Resilience through Earth Observation" as a partner of METEO-FRANCE, as executors of the Work Package 202 – Winds, waves and storm-surges. The ALADIN group is responsible for the downscaling of the reanalysis of historical meteorological observations for storm situations to be simulated with the aim to examine potential coastal hazards.

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