

Targeted observations during the THORPEX-IPY/Norway

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The main objective of the Norwegian one is to significantly improve forecasts of high-impact weather events in the Arctic region for the benefit of society, the economy and the environment. To reach the objectives of the program, among other scientific challenges, observations exploitation and development of data assimilation system, campaign measurements were organised in February and March 2008. Apart of presenting the campaign measurements, we will show the impact of the targeted measurements in the HARMONIE assimilation and in HIRLAM ensemble prediction systems. We will also show a numerical model sensitivity study done for some cases of the campaign period.