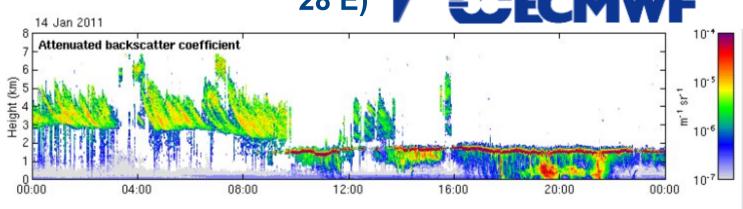




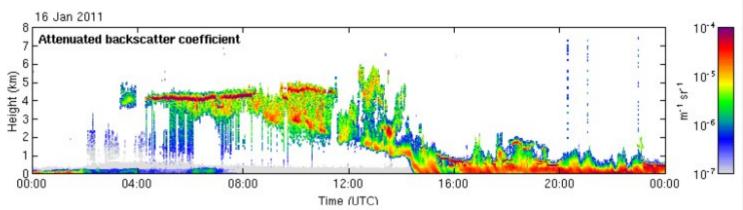
Observations of mixed-phase cloud

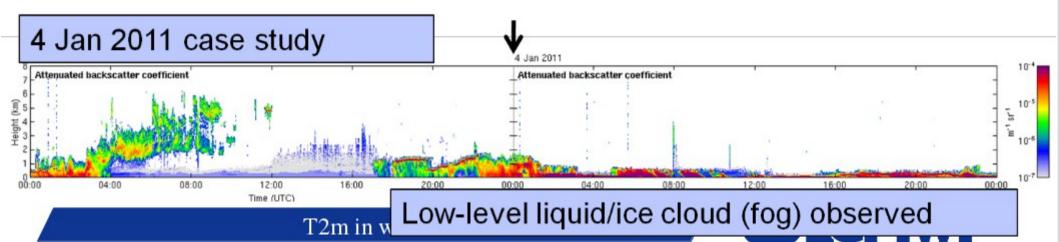
Sodankylä - northern Finland (67N, Erik Andersson et al. 30.5.2011

14 Jan 2011 Ice cloud and SLW layer at 2km, ice falling out



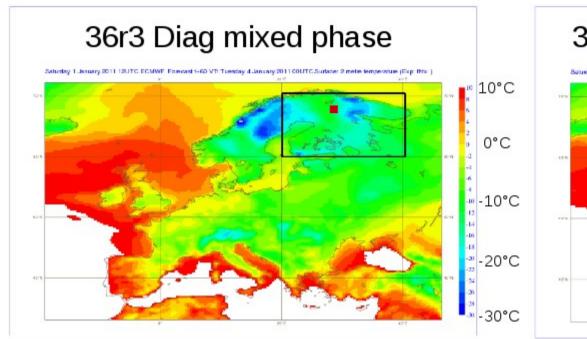
16 Jan 2011 SLW layer at 4km, ice falling out

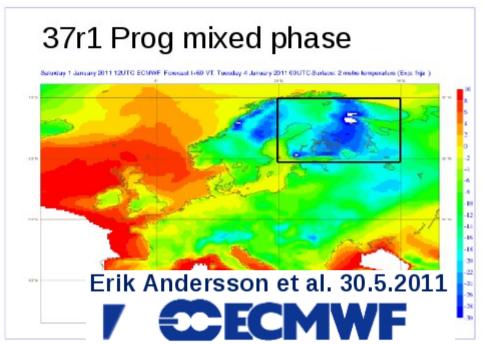


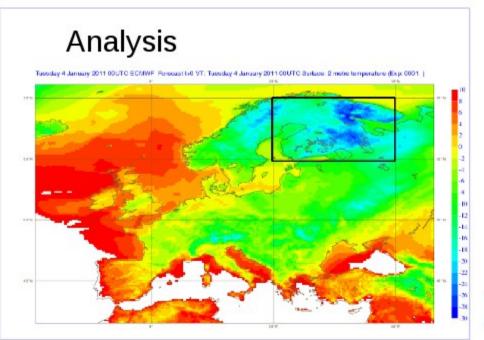


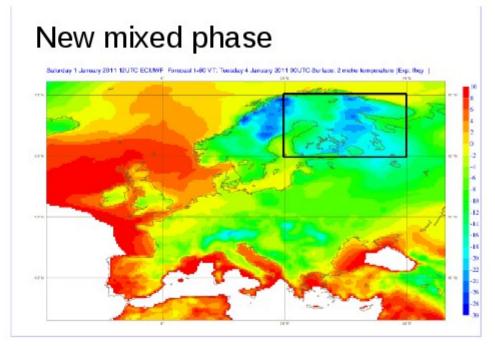
Cold T2m bias in weakly forced mixed-phase

(Example T2m snapshot from 00Z 4th Jan 2011)











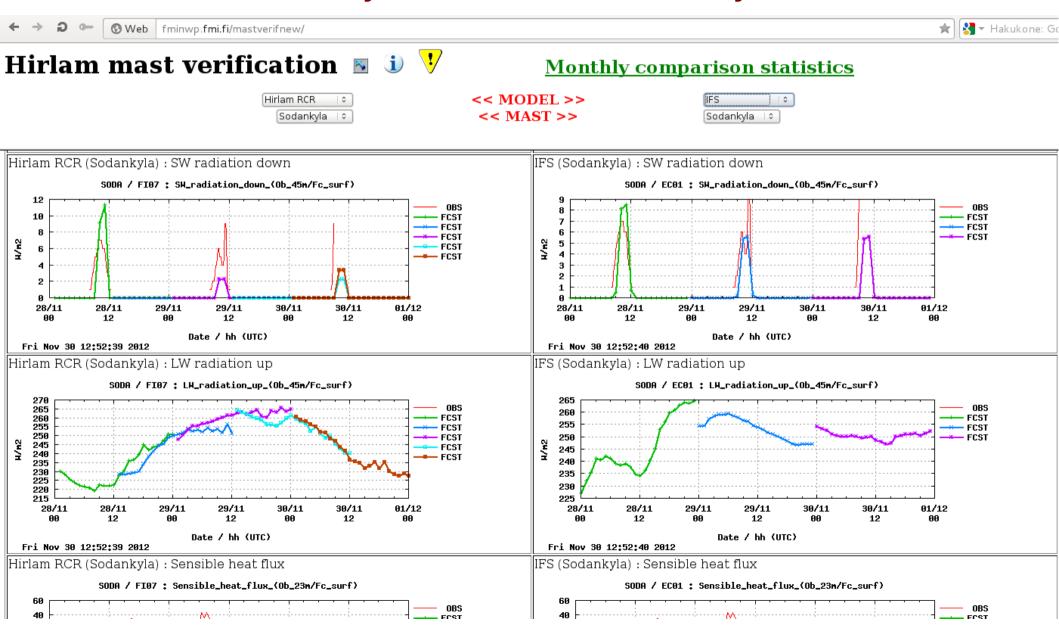
SURFACE RADIATION FLUXES ARE MEASURED IN SEVERAL LOCATIONS OF SODANKYLÄ OBSERVATORY

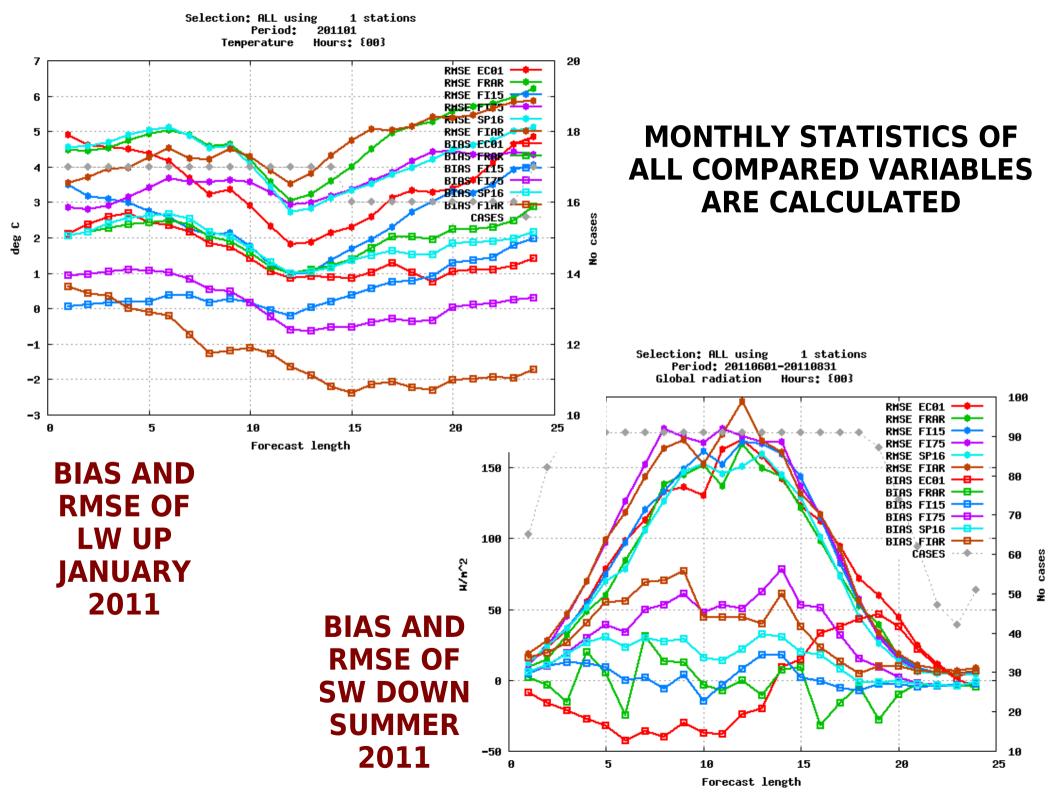
SW DOWN LW UP

LW DOWN SW UP



SODANKYLÄ SW DOWN and LW UP ARE INCLUDED IN THE HIRLAM MAST VERIFICATION OF SEVERAL MODELS AGAINST OBSERVATIONS - real-time daily time series and monthly statistics





Problems of the operational comparison

Raw unchecked observations
Only LWUP and SWDN

More observations are available via litdb.fmi.fi

