Temperature perturbation @850 200 400 Pressure [hPa] 600 800 Resolution 100 m 1000 -2.5-2.52.5 0.0 0.5 -500500 0.0 0.0 250 m RHCloud water **Temperature** Water vapour 500 m [K] [%] mixing ratio mixing ratio 1 km $[10^{-3} \, g \, kg^{-1}]$ $[10^{-3} \text{ g kg}^{-1}]$ 4 km 200 Model MONC Pressure [hPa] 400 WRF 600 800 1000 -20**-**2 -1**-**2 0 0 Ice Snow Rain Graupel

mixing

ratio

 $[10^{-3} \text{ g kg}^{-1}]$

mixing

ratio

 $[10^{-3} \text{ g kg}^{-1}]$

mixing

ratio

 $[10^{-3} \text{ g kg}^{-1}]$

mixing

ratio

 $[10^{-3} \text{ g kg}^{-1}]$