Temperature perturbation @850 200 400 Pressure [hPa] 600 800 Resolution 100 m 1000 -2.50.0 0.0 0.5 -500500 5 250 m RH**Temperature** Cloud water 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 0.25 -10-1 -0.250.00 0 1 0 0 Snow Rain Graupel Ice mixing mixing mixing mixing ratio ratio ratio ratio

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

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

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

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