Temperature perturbation @850 200 400 Pressure [hPa] 600 800 Resolution 100 m 1000 -2.50.0 0.5 -500500 0.0 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 -20<u>-</u>2 **-**2 0 2 0 0 Ice Snow Rain Graupel mixing mixing mixing mixing ratio ratio ratio ratio

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

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

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

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