Temperature perturbation @730 200 400 Pressure [hPa] 600 800 Resolution 100 m 1000 0.5 500 -2 -500 0.0 250 m Cloud water Temperature RHWater vapour 500 m [%] [K] mixing ratio mixing ratio 1 km $[10^{-3} \text{ g kg}^{-1}]$ $[10^{-3} \text{ g kg}^{-1}]$ 4 km 200 Model MONC Pressure [hPa] 400 WRF Kuang (2010) 600 800 1000 _₅ -0.50.5 **-**0.2 0.0 0.0 0 0 Rain Ice Snow Graupel mixing mixing mixing mixing ratio ratio ratio ratio $[10^{-3} \text{ g kg}^{-1}]$ $[10^{-3} \text{ g kg}^{-1}]$ $[10^{-3} \text{ g kg}^{-1}]$ $[10^{-3} \text{ g kg}^{-1}]$