Temperature perturbation @730 200 400 600 800 Resolution 100 m 1000 500 -2 0.5 -500 0.0 2 250 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** 400 WRF Kuang 2010 0 600 800 1000 0.0 <del>-</del>5 -0.50.5 -0.20.0 0 0 Rain Ice Snow Graupel

mixing

ratio

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

mixing

ratio

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

Pressure [hPa]

Pressure [hPa]

mixing

ratio

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

mixing

ratio

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