Moisture perturbation @850 200 400 Pressure [hPa] 600 800 Resolution 100 m 1000 0.5 -500**-**5 0.0 500 5 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 0.00 0.25 10 -0.252 0 **Snow** Rain Graupel Ice mixing mixing mixing mixing ratio ratio ratio ratio $[10^{-3} \text{ g kg}^{-1}]$ $[10^{-3} \text{ g kg}^{-1}]$ $[10^{-3} \text{ g kg}^{-1}]$ $[10^{-3} \text{ g kg}^{-1}]$