Moisture perturbation @730 200 400 Pressure [hPa] 600 800 Resolution 100 m 1000 500 **–**2 -5000.0 0.5 0 250 m Temperature RHCloud water Water 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 0 600 800 1000 -0.2-2.5 0.0 2.5 0.5 -1 0.0 0.0 0 Snow Rain Graupel Ice mixing mixing mixing mixing ratio ratio ratio ratio $[10^{-3} \text{ g kg}^{-1}]$ $[10^{-3} \text{ g kg}^{-1}]$ $[10^{-3} \text{ g kg}^{-1}]$ $[10^{-3} \text{ g kg}^{-1}]$