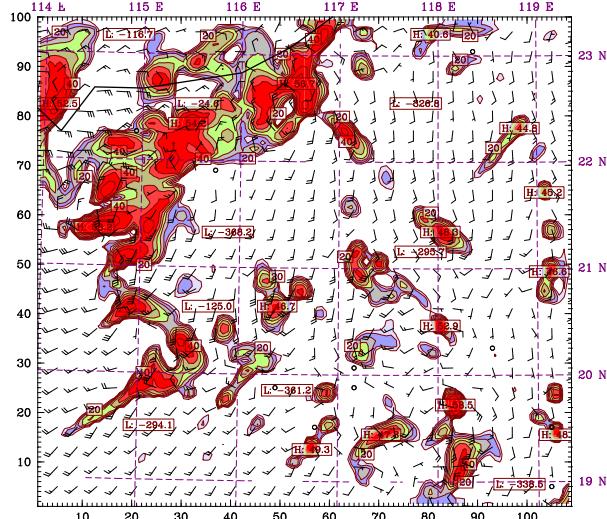
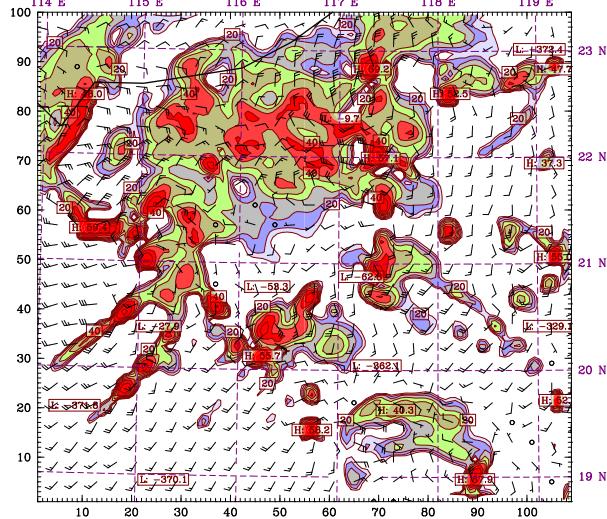


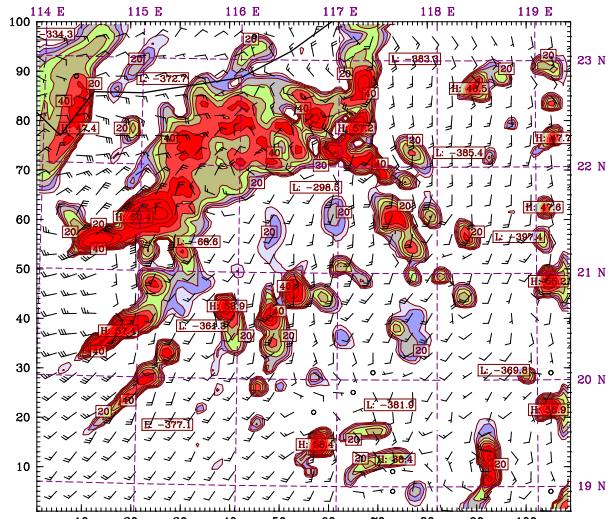
a) Warm Rain



b) Simple Ice



c) Mixed Phase



d) Goddard Graupel

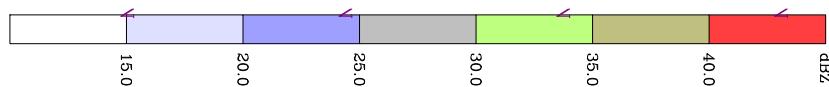
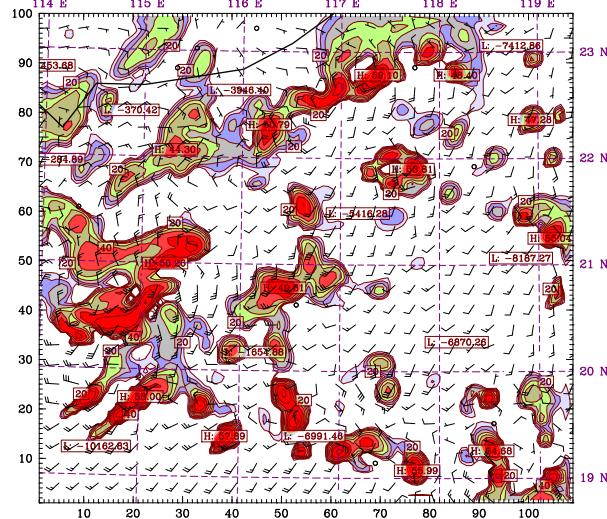


Figure 1: Simulated near-surface (40-m above sea level) radar reflectivity (in units of dBZ) by different microphysics experiments on the 5-km grid at 18 h forecast time (valid at 0600 UTC 15 May 1998): (a) Warm Rain, (b) Simple Ice, (c) Mixed Phase and (d) Goddard Graupel experiment. Near-surface wind is also plotted (full barb = 5 m s<sup>-1</sup>).