



Figure 3. (a) The composite of radar VMI reflectivity (dBZ, scale on the right) near Taiwan overlaid with the ECMWF-YOTC 850 hPa horizontal winds [m s^{-1} , full (half) barb = 10 (5) m s^{-1}] at 06:00 UTC 8 August 2009. The TC center is marked by the typhoon symbol, and the 1 km domain used in this study is also plotted (black dotted region). The triangle marks the location of Chigu radar. (b) Radar VMI reflectivity composites (dBZ, scale at bottom) over the brown dashed box in (a) every 2 h over 00:00-12:00 UTC 8 August and 00:00-08:00 UTC 9 August 2009.