



1 Figure 1. (a) The JTWB best-track of Typhoon Morakot (TY0908) overlaid with MTSAT IR
2 cloud imagery at 00:30 UTC 7 August 2009. The TC positions are given every 6 h. (b) The
3 ECMWF-YOTC analysis of geopotential height (gpm, contours) and horizontal winds [m s^{-1} ,
4 full (half) barb = 10 (5) m s^{-1} , wind speed shaded] at 850 hPa at 00:00 UTC 7 August 2009.
5 The domain of 3 km experiment is also plotted (dotted region).