



1 Figure 4. Series of CAPPI reflectivity (dBZ, scale at bottom) at 3 km observed by the Chigu  
2 radar (cf. Fig. 3 for location) every 10 min during 05:10-05:40 and 06:20-06:50 UTC 8  
3 August 2009, for regions of  $100 \times 45 \text{ km}^2$  covering the E-W oriented rainbands (courtesy of  
4 Prof. C.-H. Liu). The concentric rings are 20 km apart. Selected back-building cells are  
5 labeled as A-G and cell motions are marked (dashed lines).