Natural Hazards
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Discussions

Interactive comment on "Numerical simulation of a winter hailstorm event over Delhi, India on 17 January 2013" *by* A. Chevuturi et al.

A. Chevuturi et al.

apdimri@hotmail.com

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REVIEWER #1 1 Fig 8 in panels (a) and (d) could you add vectors of vertical velocity just to evaluate if it exists interaction between dynamics and microphysics for each simulation and comparing each other. Add eventually comments about this inside the text.

Reply: The wind velocity vectors have been added in the Fig. 8 in panels (a) and (d) and the figure caption is modified to incorporate the changes in the figure. The wind velocity vectors are the zonal and vertical wind represented in the figure. Detailed discussion corresponding to the new figure is added in the section 3.2 accordingly.

2 Paragraph 3.2 and 3.3: it happens sometimes to be too much scholastic. You could

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cut some parts such as in Sect. 3.2 from Line 23 pag 9 to Line 1 pag 10. – add as reference in paragraph 3.3 : Elisabetta Fiori, Antonio Parodi, and Franco Siccardi, 2010: Turbulence Closure Parameterization and Grid Spacing Effects in Simulated Supercell Storms. J. Atmos. Sci., 67, 3870–3890.

Reply: To make the manuscript less scholastic, changes have been made in Section 3.2. But the section 3.3 needs the scholastic description to make the reader understand about hail formation in detail. The reference suggested by the reviewer is added to the manuscript.

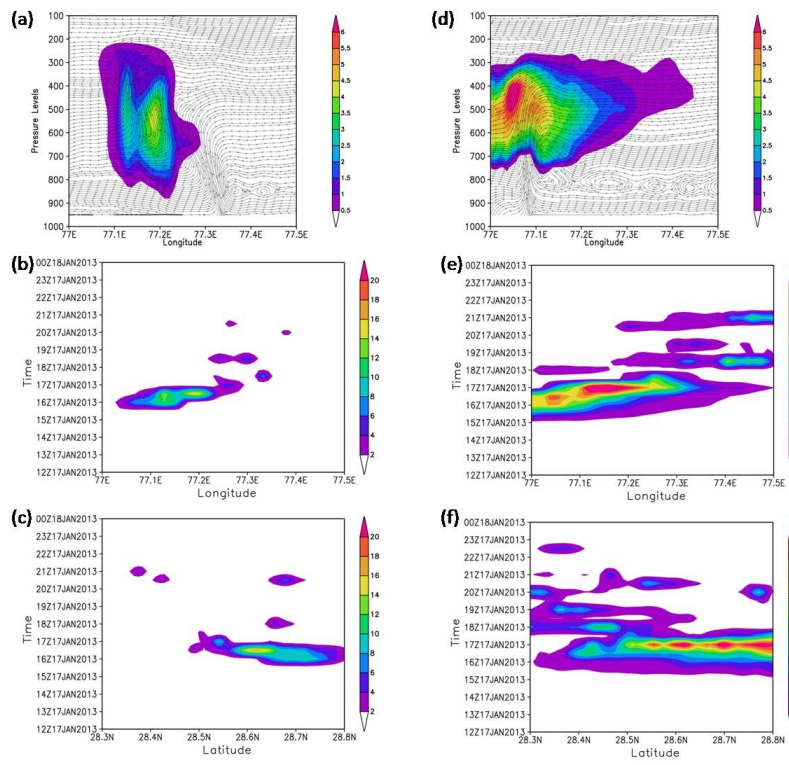Interactive comment on Nat. Hazards Earth Syst. Sci. Discuss., 2, 6033, 2014.

Fig. 1.

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