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Numerical simulation of a winter hailstorm event over Delhi, India on 17 January 2013

A. Chevuturi et al.

Correspondence to: A. P. Dimri (apdimri@hotmail.com)

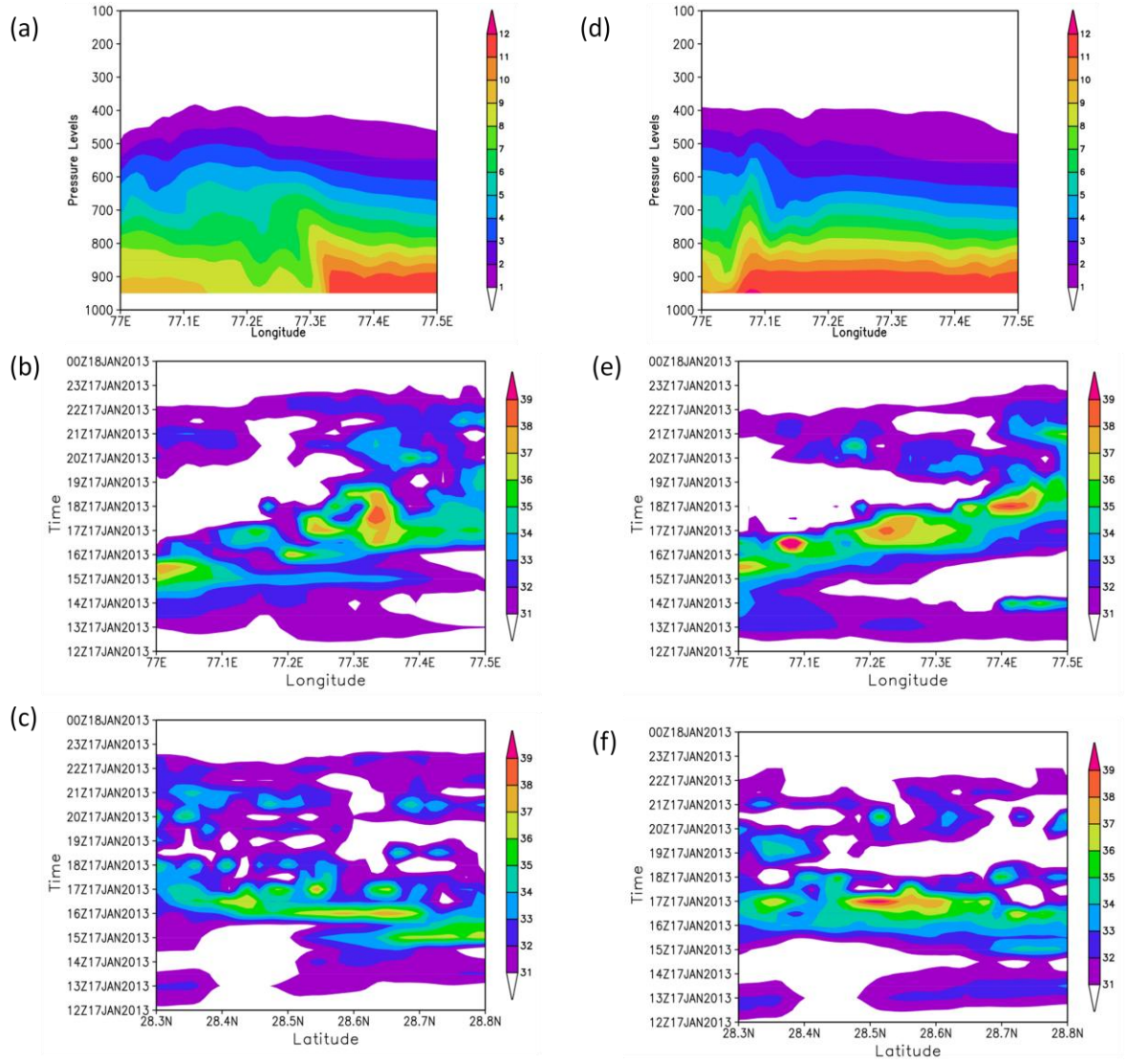

Fig. S1: (a) Longitude-pressure cross section at latitude 28.6°N for model output at 1km resolution at 1600UTC17Jan2013 for WV mixing ratio (g/kg; shaded) with hail option, (b) longitude time cross section for model output at 1km resolution at 1600UTC17Jan2013 for vertical integrated WV mixing ratio (kg/kg; shaded) with hail option at latitude 28.6°N, (c) latitude time cross section for model output at 1km resolution at 1600UTC17Jan2013 for vertical integrated WV mixing ratio (kg/kg; shaded) with hail option at longitude 77.2°E and (d-f) same as (a-c) but with graupel option.

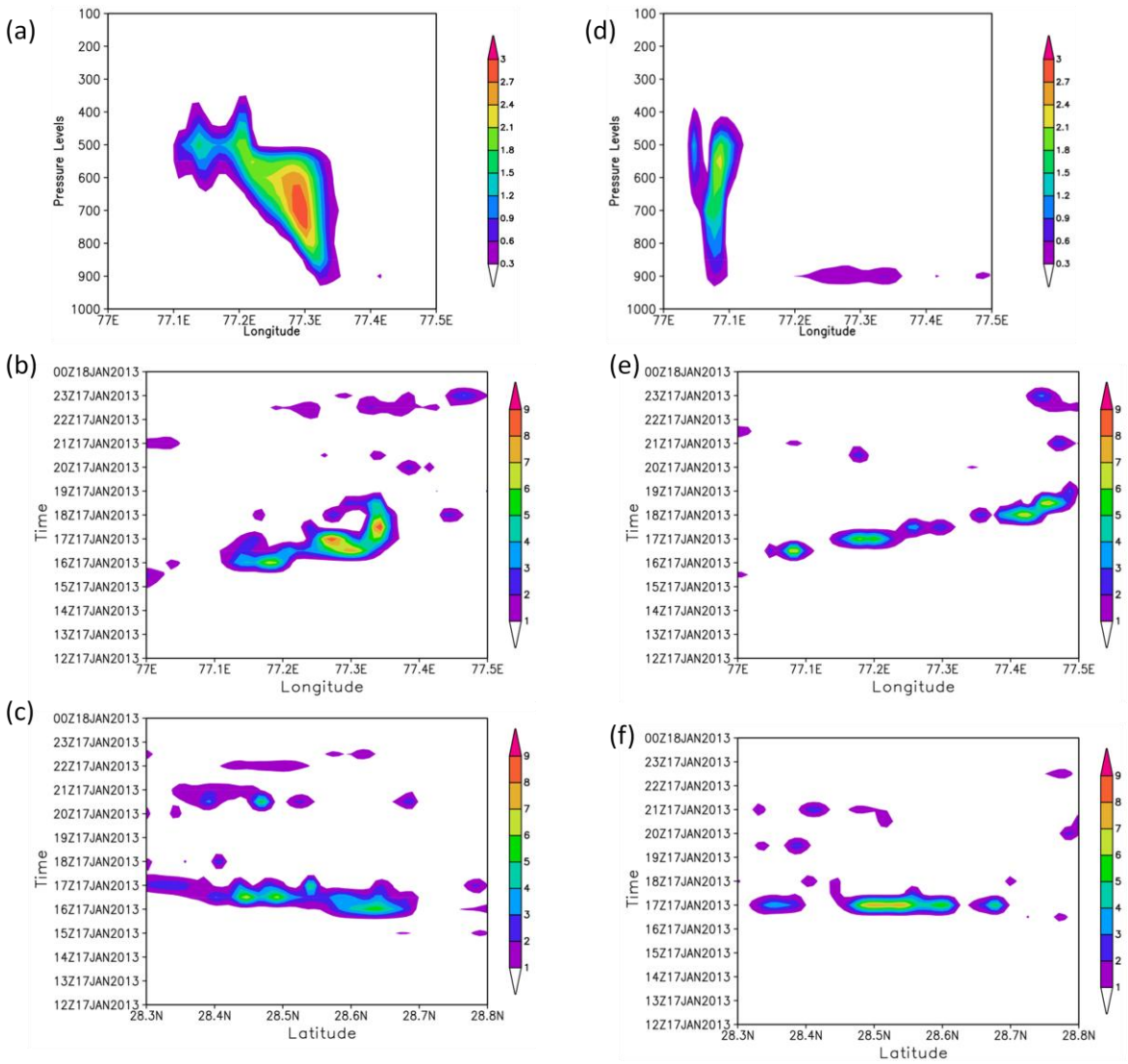

Fig. S2: (a) Longitude-pressure cross section at latitude 28.6°N for model output at 1km resolution at 1600UTC17Jan2013 for CW mixing ratio (g/kg; shaded) with hail option, (b) longitude time cross section for model output at 1km resolution at 1600UTC17Jan2013 for vertical integrated CW mixing ratio (kg/kg; shaded) with hail option at latitude 28.6°N, (c) latitude time cross section for model output at 1km resolution at 1600UTC17Jan2013 for vertical integrated CW mixing ratio (kg/kg; shaded) with hail option at longitude 77.2°E and (d-f) same as (a-c) but with graupel option.

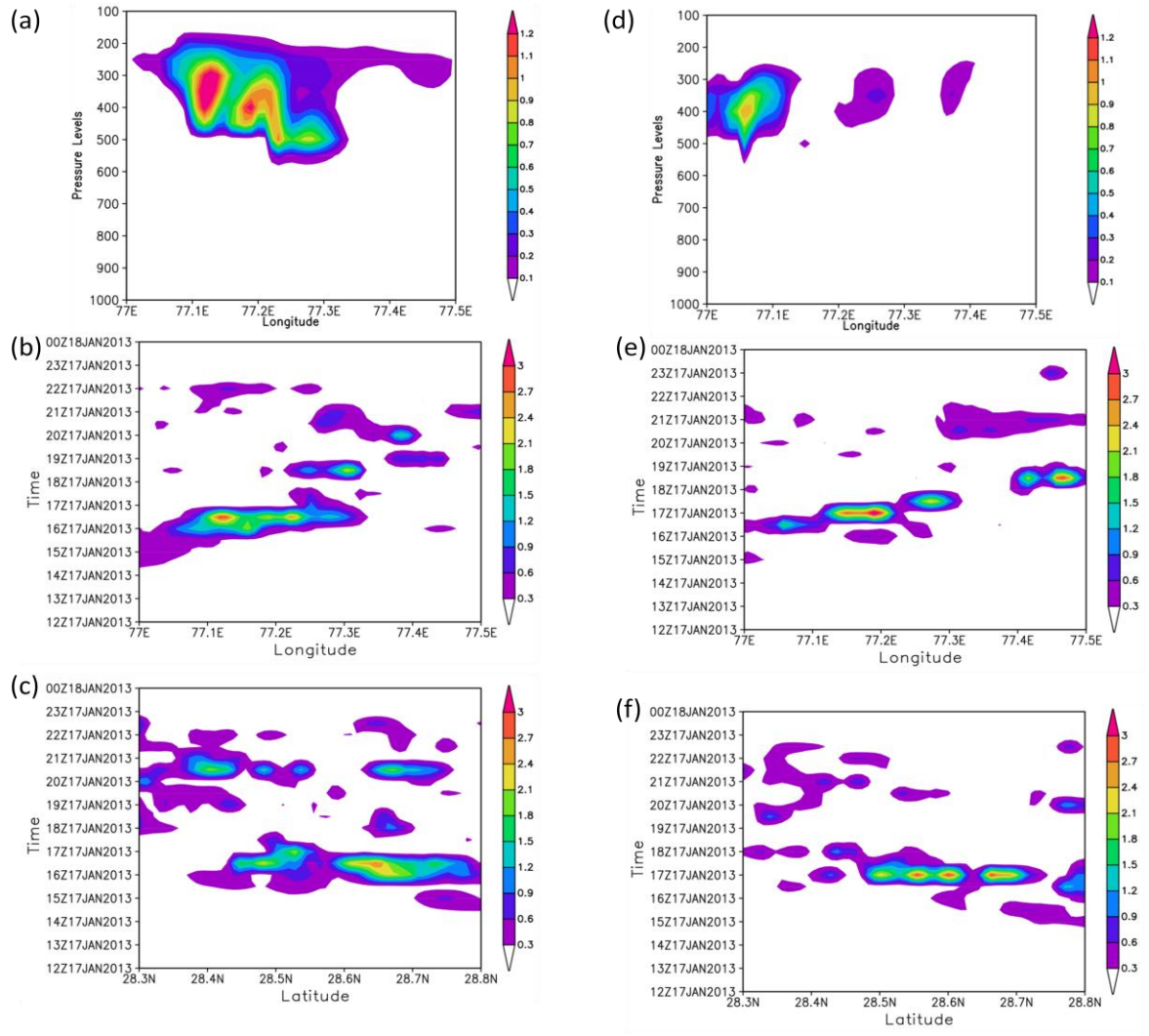

Fig. S3: (a) Longitude-pressure cross section at latitude 28.6°N for model output at 1km resolution at 1600UTC17Jan2013 for CI mixing ratio (g/kg; shaded) with hail option, (b) longitude time cross section for model output at 1km resolution at 1600UTC17Jan2013 for vertical integrated CI mixing ratio (kg/kg; shaded) with hail option at latitude 28.6°N, (c) latitude time cross section for model output at 1km resolution at 1600UTC17Jan2013 for vertical integrated CI mixing ratio (kg/kg; shaded) with hail option at longitude 77.2°E and (d-f) same as (a-c) but with graupel option.

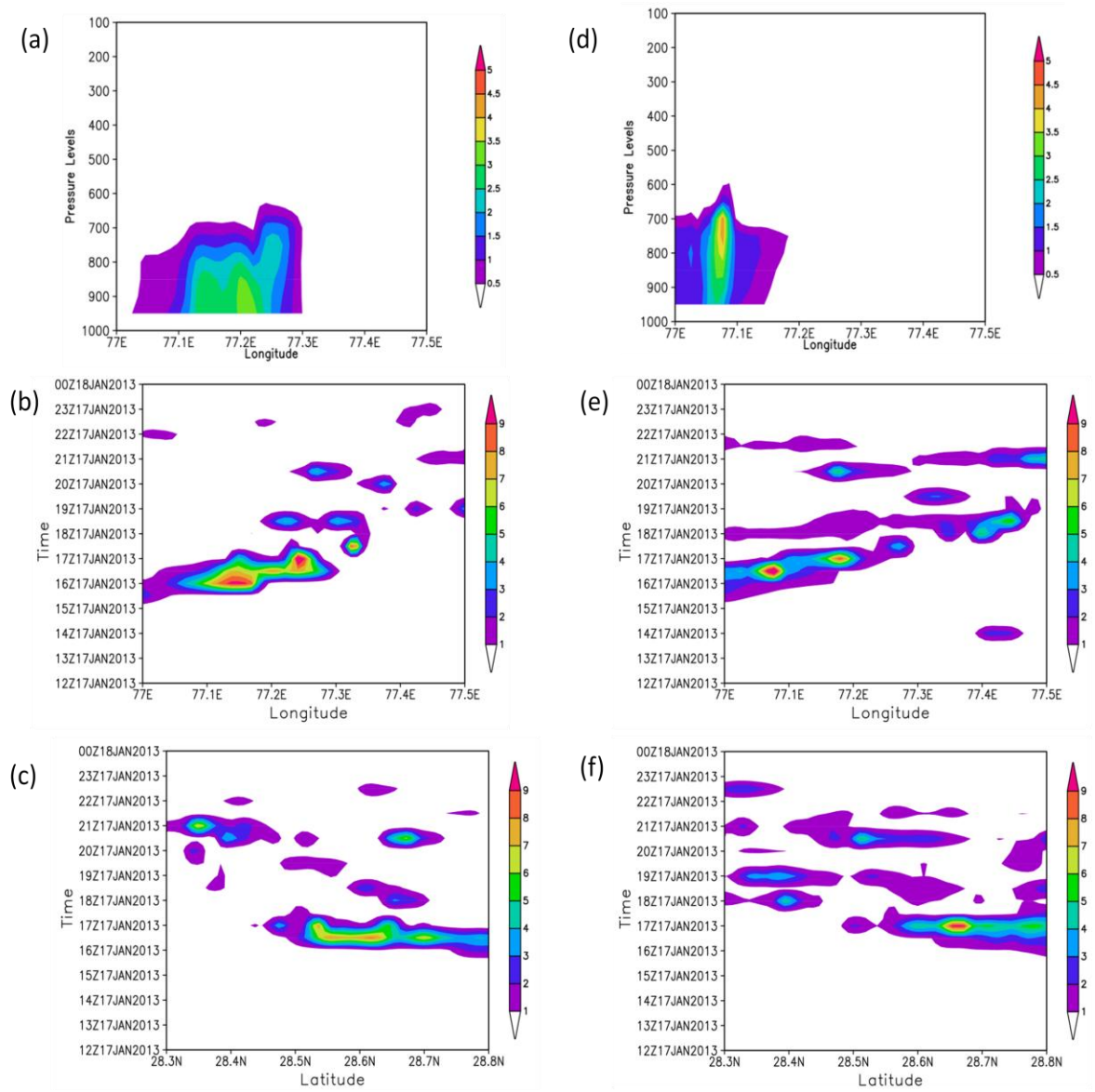

Fig. S4: (a) Longitude-pressure cross section at latitude 28.6°N for model output at 1km resolution at 1600UTC17Jan2013 for RW mixing ratio (g/kg; shaded) with hail option, (b) longitude time cross section for model output at 1km resolution at 1600UTC17Jan2013 for vertical integrated RW mixing ratio (kg/kg; shaded) with hail option at latitude 28.6°N, (c) latitude time cross section for model output at 1km resolution at 1600UTC17Jan2013 for vertical integrated RW mixing ratio (kg/kg; shaded) with hail option at longitude 77.2°E and (d-f) same as (a-c) but with graupel option.

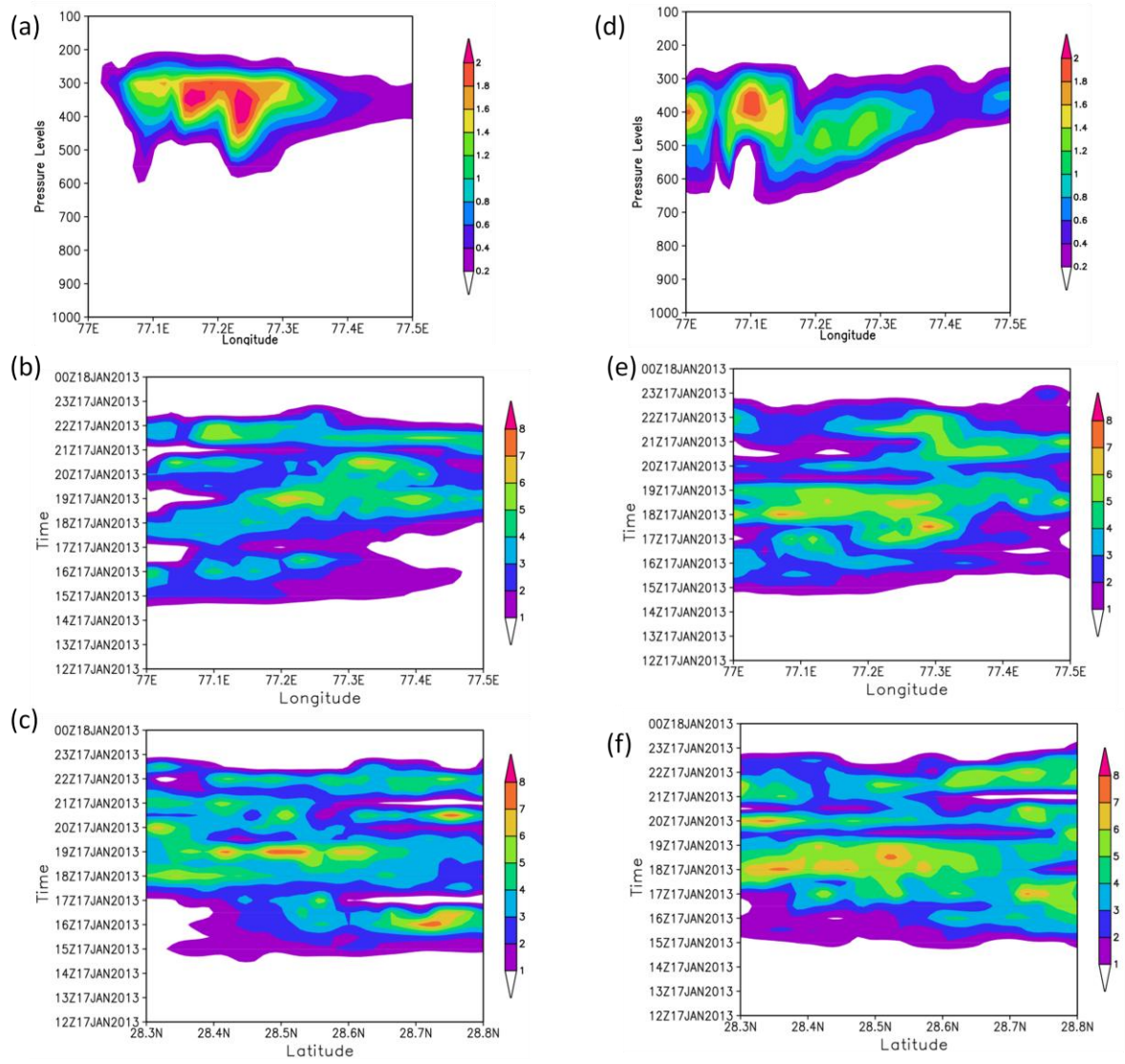

Fig. S5: (a) Longitude-pressure cross section at latitude 28.6°N for model output at 1km resolution at 1600UTC17Jan2013 for snow mixing ratio (g/kg; shaded) with hail option, (b) longitude time cross section for model output at 1km resolution at 1600UTC17Jan2013 for vertical integrated snow mixing ratio (kg/kg; shaded) with hail option at latitude 28.6°N, (c) latitude time cross section for model output at 1km resolution at 1600UTC17Jan2013 for vertical integrated snow mixing ratio (kg/kg; shaded) with hail option at longitude 77.2°E and (d-f) same as (a-c) but with graupel option.