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Supplementary Information

Climatological occurrences of hail and tornado associated with mesoscale convective systems in the United States

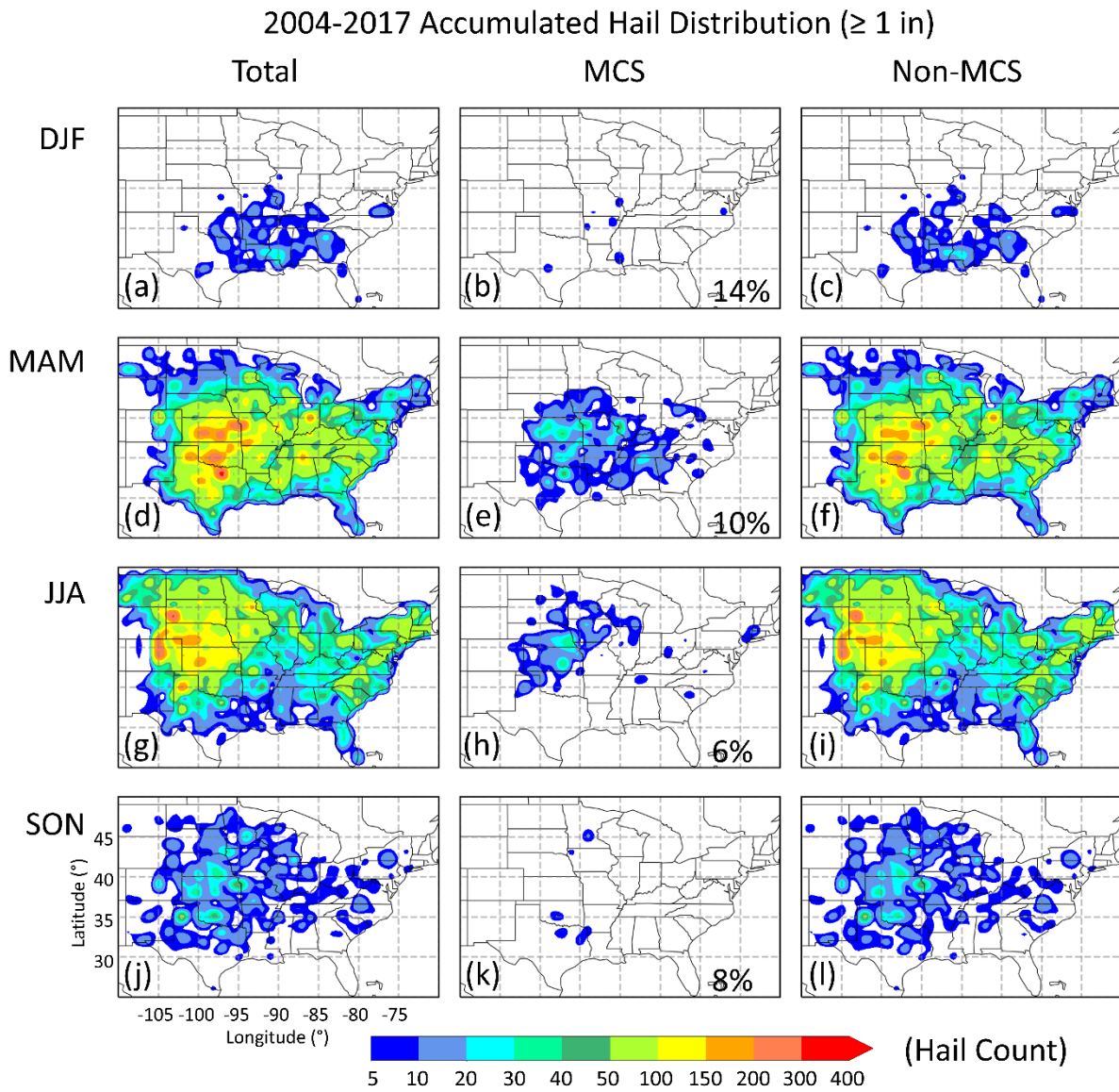
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Corresponding author:

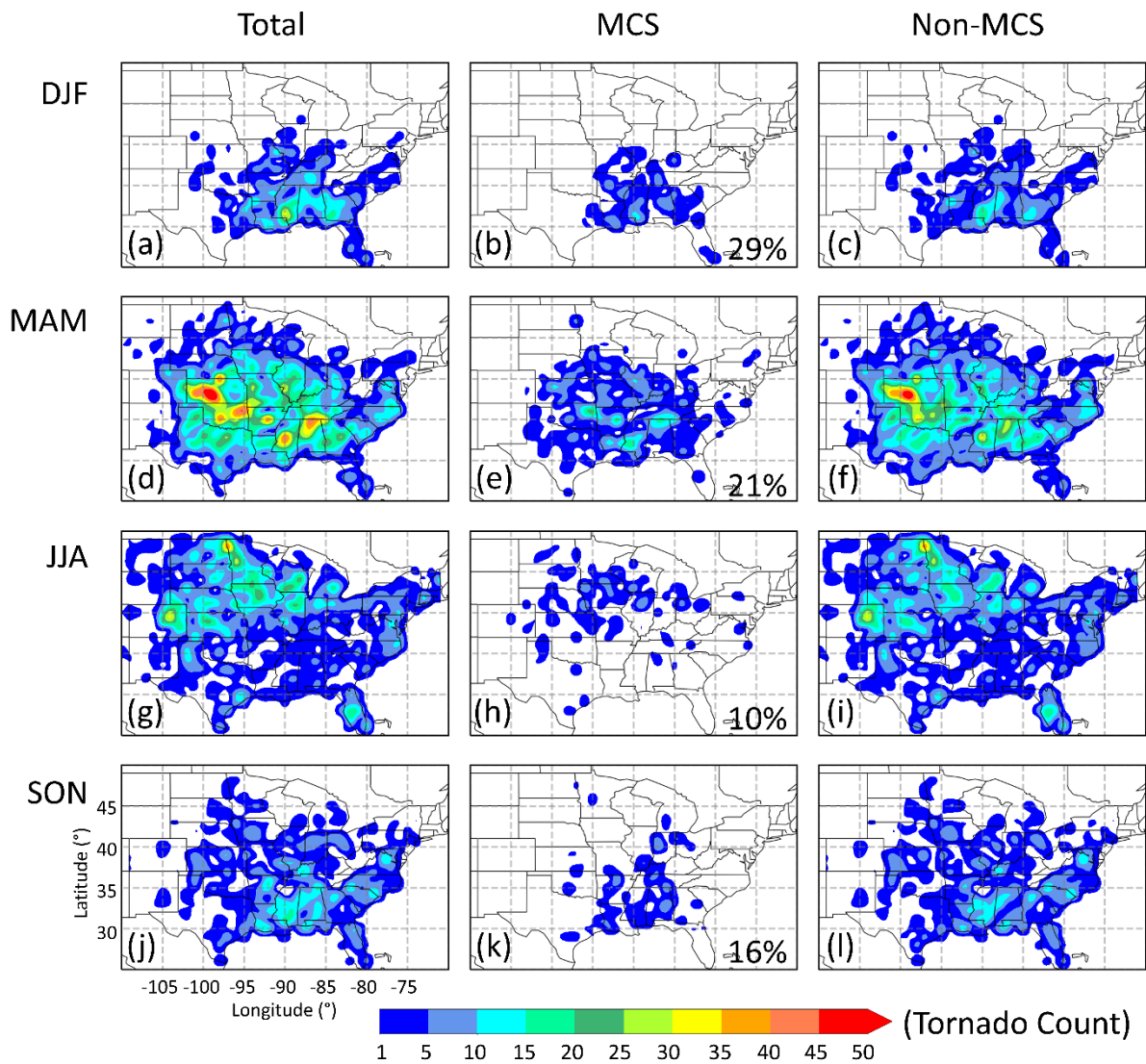
Jiwen Fan, jiwen.fan@pnnl.gov; Jingyu Wang, jingyu.wang@nie.edu.sg



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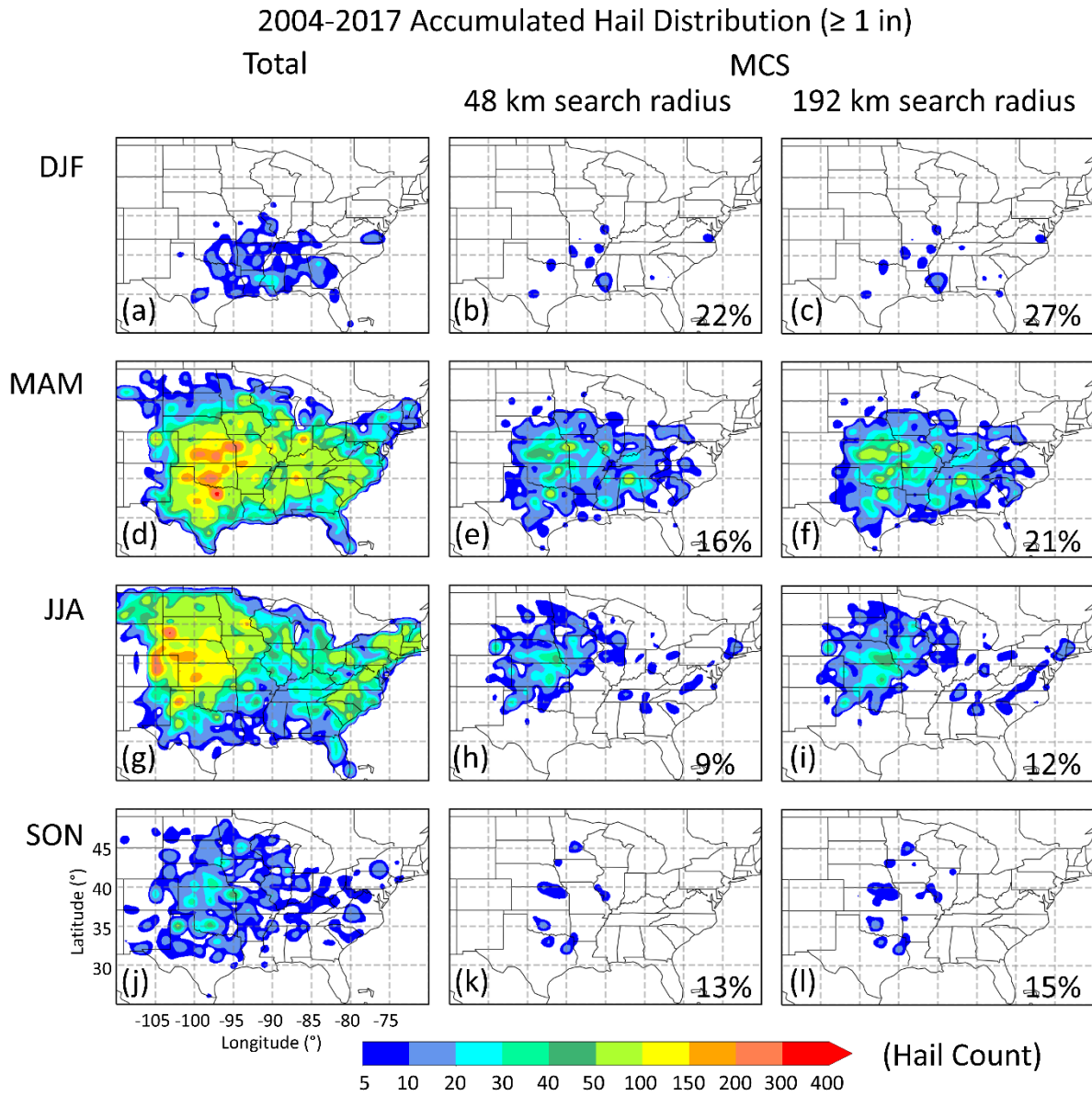
14 **Figure S1.** Same as Figure 3 but using 8 km convective aggregation radius.

2004-2017 Accumulated Tornado Distribution (\geq EF0)



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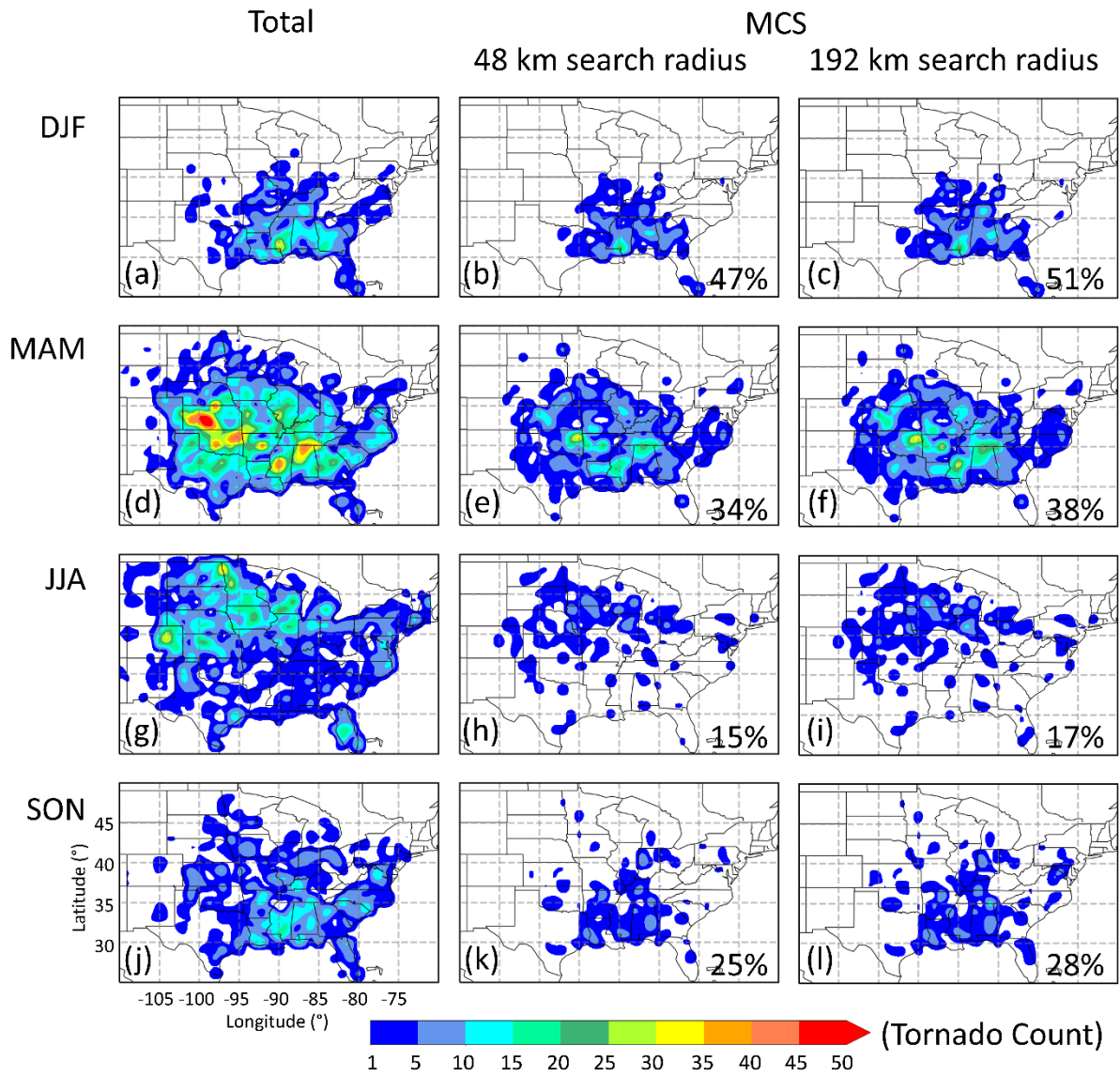
16 **Figure S2.** Same as Figure 4 but using 8 km convective aggregation radius.



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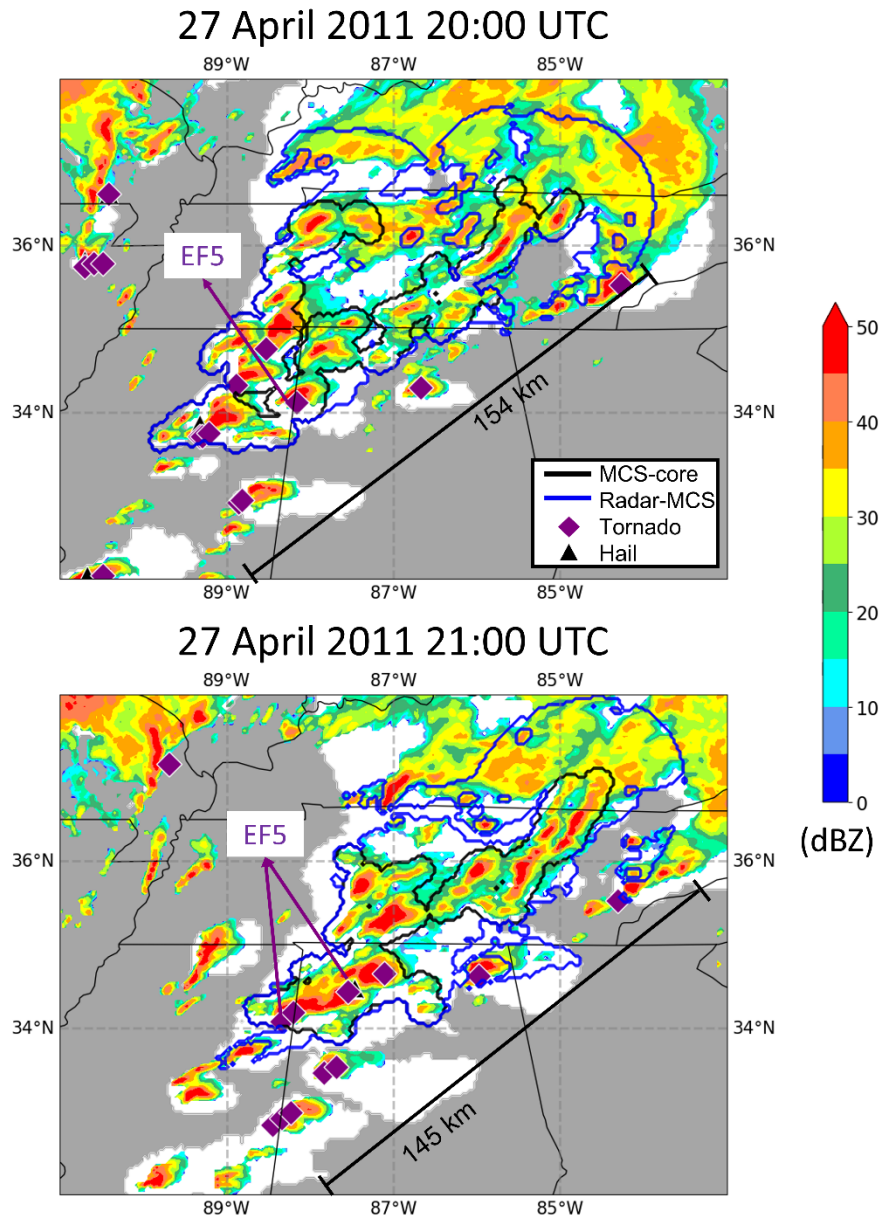
18 **Figure S3.** Same as Figure 3 but using varying stratiform search radius.

2004-2017 Accumulated Tornado Distribution (\geq EF0)



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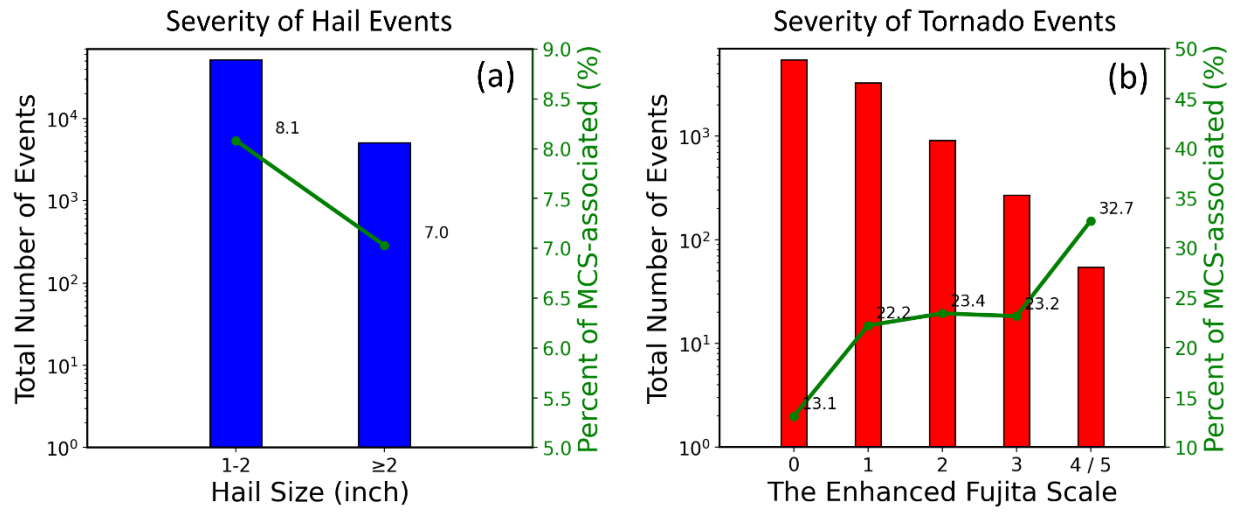
20 **Figure S4.** Same as Figure 4 but using varying stratiform search radius.



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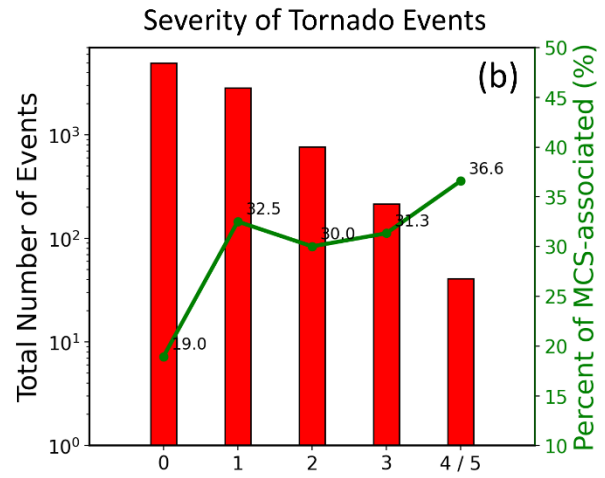
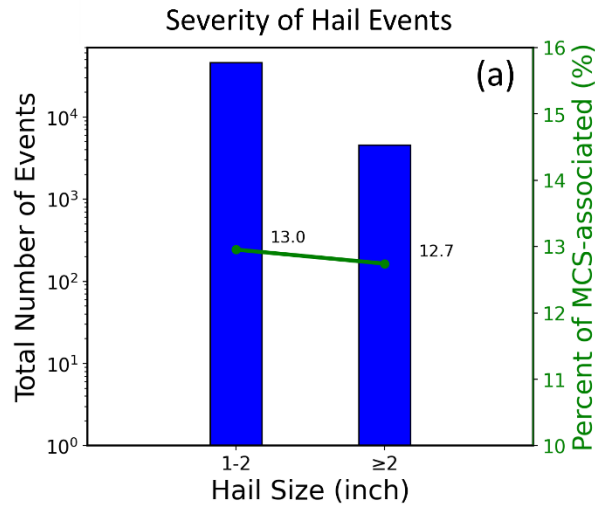
22 **Figure S5.** Same as Figure 2 but for (a) 20:00 UTC, 27 April 2011 and (b) 21:00 UTC, 27 April

23 2011.



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25 **Figure S6.** Same as Figure 7 but convective aggregation radius of 8 km.



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27 **Figure S7.** Same as Figure 7 but excluding the year of 2011.

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