

Interactive comment on “An 18-year climatology of derechos in Germany” by Christoph P. Gatzen et al.

Anonymous Referee #2

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General Comments The entitle “An 18-year climatology of derechos in Germany”, presents a detailed analysis of derechos climatology based on dataset from 1997 to 2014. All cases were classified to warm (April-Sep) and cold (Oct-Mar) seasons accompanied with proximity sounding parameters. The paper is very interesting and the results are well depicted. I suggest a Minor revision and encourage the authors to adopt the following points that will enhance the manuscript: Minor Points: 3rd page – line22: Although it is an obvious classification (and authors included later in the manuscript) I suggest to authors add at this point the monthly reference period in order to determine the “warm-season” and “cold-season ” types (e.g. April to Sept and Oct to Mar, respectively). 4th page – line 24-25: I recommend to authors to add a sentence regarding the wind surface measurements and clarify that all data were based on 10m

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or if there were some station with lower measurements (e.g. 3 or 7m) those data were referenced to 10m measurements. Figures 1-6: I recommend to authors to include also the reference period of study. Figure 6: I suggest to authors to join the a and b plots regardless the huge difference of scale.

Interactive comment on Nat. Hazards Earth Syst. Sci. Discuss., <https://doi.org/10.5194/nhess-2019-234>, 2019.

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