

Interactive comment on "Estimates of tropical cyclone geometry parameters based on best track data" *by* Kees Nederhoff et al.

Anonymous Referee #2

Received and published: 15 August 2019

General comments: This study proposed empirical relationships to estimate RMW and R35 based on BTD data. The results are promising since they compare better with QSCAT-R data than other approaches in the literature. TC geometry or radial wind fields are critical for TC damage estimate. In this sense, the study is useful and will be a good add to the TC hazard community. The manuscript is overall well-written and organized. However, some of the presentation can be improved and clarified, e.g., some figures and their captions.

Specific comments: 1. What is A1 in Table 1? It has not been defined and referred to. 2. How do the authors come up with the exponential function forms (Eq. 2 and 4)? 3. P8L1, the sentence starting with "a shape parameter..." is rather confusing to me. 4. P4L9, why delta_AR35 contains less scatter? It is just the difference of R35

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from RMW, right? If this is correct, it might imply a close connection between R35 and RMW. This can be mentioned and discussed. 5. References might need to be checked for the format requirement of the journal.

Interactive comment on Nat. Hazards Earth Syst. Sci. Discuss., https://doi.org/10.5194/nhess-2019-119, 2019.