Responses to comments of Reviewer #2

We wish to express our great appreciation for your review and valuable technical corrections. In the revised manuscript, we have made the correction, and incorporated all your comments. In the response below, we address each of these comments individually. Your comments are *italicized* and our responses follow immediately. Changes to the manuscript text are included in blue.

Thank you for incorporating the original recommendations. At this point, only a few minor technical corrections need to be addressed, which are listed below.

1. Line 11: …"dataset provides the widely used data" – delete "the" here.

Response: Thank you for this correction. We have deleted "the" in this sentence.

2. Line 62: Change "researches" to "studies"

Response: We have revised " researches" as " studies".

3. Line 76: Change "dataset" to "datasets"

Response: We have revised it.

4. Line 78: Change "TC" to "TCs"

Response: We have revised it.

5. Line 79: "…ERA5 reanalysis data to estimate the TC outer size…" = either delete "the" or make TC "TCs"

Response: We have revised TC as "TCs".

6. Line 112: "…IBTrACS dataset only records…" – delete "dataset" here.

Response: We have deleted " dataset" in this sentence.

7. Line 166: Change "researches" to "research"

Response: We have revised it.

8. Lines 203–204: Add the abbreviations for convolutional neural network, support vector regressor, and multivariate linear regression.

Response: We have added the abbreviations. The sentence has been revised as " The models include a random forest (RF) algorithm, artificial neural network (ANN), convolutional neural network (CNN), support vector regressor (SVR), and multivariate linear regression (MLR), as detailed in Table 2."

9. Line 387: "In NA basin, the CLE15 model…" – add "the" between In and NA.

Response: We have added it.