

Reply to Referee #3

Thank you very much for your valuable comments. In the future we will examine the sustained wind speed by using different criteria to figure out which averaging time is more adequate to represent maximum sustained wind in a TC.

The description of grid resolution and time step in our experiment are listed as following:

Domain	Grid resolution	Time step
D1	27km	30.00s
D2	9km	10.00s
D3	3km	3.33s
D4	1km	1.11s
D5	333.3m	0.37s
D6	111.1m	0.12s
D7	37.03m	0.04s

Minor corrections:

1. P5, line 108, “When the horizontal resolution was decreased... should read “When the horizontal resolution was increased...”

2. P9, line 198, “...wind size...” should be “...window size...”

We have revised the manuscript and the above errors have been corrected.