

***Interactive comment on “Prediction and variation of auroral oval boundary based on deep learning model and space physical parameters” by Yiyuan Han et al.***

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We are very grateful and convey our sincere thank you to your generous comments and significant suggestion for the manuscript. We have revised the manuscript to best of our knowledge as per your comments and suggestions. We have submitted our response in the "npg-2019-28-SC-supplement.zip" folder as a supplement which contains pdf documents of the following: 1. A SoC document to reviewer, named 'npg-2019-28-SoC\_SC'. 2. A revised manuscript according the comments of all reviewers, named 'R1\_Prediction and variation of auroral oval boundary based on deep learning model and space physical parameters.'

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Please also note the supplement to this comment:

<https://www.nonlin-processes-geophys-discuss.net/npg-2019-28/npg-2019-28-AC4-supplement.zip>

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Interactive comment on Nonlin. Processes Geophys. Discuss., <https://doi.org/10.5194/npg-2019-28>, 2019.

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