

Interactive comment on “Detection of a climatological short break in the Polar Night Jet in early winter and its relation to cooling over Siberia” by Yuta Ando et al.

Yuta Ando et al.

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Reply:

Thank you very much for your comments, which were extremely useful for our revision. We have considered your comments carefully, and have been making changes accordingly.

We knew numerous studies have described early winter minor warmings. However, these studies are based on a case study or focused on a statistical analysis only within the occurrence of minor warmings in early winter. Our view of the PNJ is from the cli-

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matological seasonal march from October through April. No previous studies explicitly showed this short break viewing from extra-seasonal evolution. This is advantage to the previous studies. Following to your suggestion, we will cite your paper along with other papers showing minor warmings in the introduction section in the revised version.

Interactive comment on *Atmos. Chem. Phys. Discuss.*, <https://doi.org/10.5194/acp-2017-882>, 2017.

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