

# ***Interactive comment on “Numerical Bifurcation Methods applied to Climate Models: Analysis beyond Simulation” by Henk A. Dijkstra***

**Anonymous Referee #1**

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Recommendation: Minor revisions

- 1) Page 2, line 3: I do not think that Lovejoy and Schertzer really believe that peaks in spectra are irrelevant. The diurnal and annual cycles are definitely of importance. I think they want to emphasize that the background spectrum is also important.
- 2) Page 2, lines 24-26: I understand the first part of the sentence but not the second part. This sentence should be rewritten.
- 3) Page 4, line 9: Also Ito noise can represent unresolved processes. The point of using Stratonovich noise is that those unresolved processes are serially correlated; whereas Ito noise would assume that the noise is serially uncorrelated.
- 4) A brief explanation what  $x$  and  $X$  stand for would be helpful and whether there is any real

difference be helpful.

- 5) AMOC, MIS, etc should be defined at first usage.
- 6) Page 8, line 14: “two type” -> “two types”
- 7) Page 9, line 17: “also a CAM” -> “also to a CAM”

**NPGD**

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Interactive  
comment

Interactive comment on Nonlin. Processes Geophys. Discuss., <https://doi.org/10.5194/npg-2019-29>, 2019.

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Discussion paper

