

Interactive comment on “Combined Impacts of ENSO and MJO on the 2015 Growing Season Drought over the Canadian Prairies” by Zhenhua Li et al.

J. Hanesiak (Editor)

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Received and published: 31 March 2018

Dear Dr. Li et al.

Based on two reviewers comments on your article titled ““Combined Impacts of ENSO and MJO on the 2015 Growing Season Drought over the Canadian Prairies”, I am happy to say that final acceptance will take place, if you are able to address the reviewer’s comments and suggestions - major revisions are required. Both reviewers have some excellent points and all of them can be reasonably addressed. I only point out some of the more major comments (and commonalities) below, however, each of the reviewer’s points should be addressed as well.

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- 1) Both reviewers point out many typographical and grammatical errors. Please read over the manuscript carefully and make appropriate edits. One reviewer provided their marked-up manuscript to assist with this, as well as other comments requiring edits.
- 2) Does the study period span 1979-2015 or 1979-2016?
- 3) Manitoba is not included in the analysis. Hence, the title of the manuscript requires changing.
- 4) B.C. was not included in the analysis, but does appear to be affected. One reviewer is suggesting inclusion of B.C. or explaining why it was not included.
- 5) More quantitative analysis of the relation between Rossby waves and the drought should be addressed where possible.
- 6) Reviewer #2 suggests adding some detail about the unexplained drought events under $\text{NINO4}>0$ and $\text{MJO-4}<0$ (in the shaded region in Fig. 5), while connecting these events to the previously proposed teleconnection mechanisms in the introduction. At least some discussion should be made here.
- 7) The MJO-4 and ENSO are likely not independent. Some discussion of this should be made.

Once you have addresses each of the reviewer's comments, your manuscript will be considered for final publication.

Interactive comment on Hydrol. Earth Syst. Sci. Discuss., <https://doi.org/10.5194/hess-2018-56, 2018>.

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