

Interactive comment on “The precipitation variability of wet and dry season at the interannual and interdecadal scales over eastern China (1901–2016): The impacts of the Pacific Ocean” by Tao Gao et al.

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Dear Prof. Dominic Mazvimavi,

Thank you very much for your letter and for the reviewers' constructive and valuable comments concerning our manuscript entitled “The precipitation variability of wet and dry season at the interannual and interdecadal scales over eastern China (1901–2016): The impacts of the Pacific Ocean” (Manuscript ID: hess-2020-102). In the revised

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version, we have carefully revised the paper to address all comments, and hope you and the reviewers find the revision satisfactory. Point-to-point responses to reviewers' comments are included in the following pages.

We look forward to hearing from you!

Sincerely yours

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Responses to the Comments of Reviewer 2 This paper aims to identify the dominant variability modes of precipitation in dry (October- March) and wet seasons over eastern China. Here are some suggestions to improve the manuscript. Response: Thanks for your careful review and helpful comments. We have carefully revised our paper accordingly and believe that the quality of the revised paper has been greatly improved. Specific comments: 1. It is suggested to highlight more clearly the novelty of this study in the Introduction Section. As in the current version, it cannot be clearly seen. Response: Thank you very much for this suggestion. We have changed the section of introduction and highlighted the novelty in comparison with existing studies. For detailed information please see lines 62-96 and lines 131-135 in the revised version.

2. Before introducing different precipitation datasets and different analysis methods, it is suggested to briefly state how the datasets are related, and how using different datasets (methods) serve different analysis purposes. Response: Thank you very much for your advice. We have added related descriptions of the relationships and utilizations of the rainfall dataset following your suggestion. For detailed information please see lines 169-175 in the revised version.

3. There are some minor mistakes require attention, for instance, L215, symbol ‘alpha’ cannot be properly displayed. Response: Thank you so much for pointing out this. We retyped this symbol in the standard format.

4. L237áLij238 and L791: grammar mistakes. Response: Many thanks for this sugges-

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tion. We have changed this sentence as follows, “These changes in rainfall confirm that it is reasonable to categorize wet and dry seasons over eastern China.” We deleted “for” in line 791.

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