

## ***Interactive comment on “Tree-ring proxy based temperature reconstructions and climate model simulations: cross-comparison at the Pyrenees” by I. Dorado Liñán et al.***

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We sincerely thank Steven Phipps for the detailed revision and for his positive comments on the manuscript. We will heed all his suggestions.

Firstly, we would like to apologize for not being able to address all comments. Unfortunately, we do not have much time left in the open discussion and we will focus on the five mayor comments.

As we stated in our reply to the reviewer #1 we will try to condense the manuscript as much as possible, since we are aware that it is currently excessively long. Similarly, the abstract will be rewritten in order to better reflect the content and the most important

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findings of the manuscript as, suggested also by reviewer #1. From general comments 3 and 4 we realize that we possibly did not state clearly in the objectives description what is the role of the model simulations in this paper. We intend to both, analyze the uncertainties related to the data manipulation in tree-ring based temperature reconstructions and to perform model-data comparison. For this purpose, model simulations are a key part and following the suggestion of the reviewer, we will strengthen them. The formulation of the objectives will be also checked and we will try to state them more clearly.

With respect to general comment 5, to change the name of “PCA5” to “Run5” is a pertinent suggestion. In another reply we already realized that the experiment labeling is not optimal. Similarly, we will also take into account the suggestion of changing T05-09 to TMJJAS.

In addition to the general comments, the specific and the technical comments are appreciated and will be taken into account.

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Interactive comment on Clim. Past Discuss., 7, 3919, 2011.