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Climate of the Past
Discussions

Interactive comment on "Tree-ring based spring precipitation reconstruction in the Sikhote-Alin Mountain Range" *by* Olga Ukhvatkina et al.

Anonymous Referee #2

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Tree ring is the most widely used proxy for high resolution climate reconstruction. Although numerous studies have been conducted in Northeast Asia, there is still no dendroclimatic studies been conducted in the study area. This study presents key tree-ring data to reconstruct the spring precipitation. Precipitation regimes in relation to the El Nino-Southern Oscillation and Pacific Decadal Oscillation have also been carefully investigated. This study advanced our knowledge on high resolution climate change of the past in northeast Asia. I agree with publication after some revisions. 1. Please give a brief explanation to Skew/Kurtosis in Table 1. 2. Table 1 shows that the MS of the tree-ring width chronologies at all three locations appear not high relative to nearby areas. Can you give some explanations on the MS values. 3. You used residual chronologies for precipitation reconstruction, which is different from most other studies

using standard chronologies. Can you add some explanations? 4. There are two figures named "Figure 7" in the paper. Please modify. 5. It appears that there are more words after line 265. Please complete it. 6. I do not suggest to use the periodicity detected in the tree-ring reconstruction to infer the potential linkages with ENSO and PDO. There are other climate modes having similar periodicities also. In addition, it does not mean the climate is under control by a climate mode even their periodicity is very close. 7. It is helpful to compare your reconstructions with nearby reconstruction to highlight the common climate anomalies.

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