

Clim. Past Discuss., referee comment RC2
<https://doi.org/10.5194/cp-2021-13-RC2>, 2021
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Comment on cp-2021-13

Anonymous Referee #2

Referee comment on "A 406-year non-growing-season precipitation reconstruction in the southeastern Tibetan Plateau" by Maierdang Keyimu et al., Clim. Past Discuss., <https://doi.org/10.5194/cp-2021-13-RC2>, 2021

Using tree-ring width data, Keyimu et al. (2021) presented a non-growing season precipitation reconstruction from 1475 to 2005 on the southeastern Tibetan Plateau. Given that there are lot of summer precipitation or temperature reconstructions in this region, it is very refreshing to obtain non-growing seasonal precipitation chronology. Such topic of paleo-climatology is suitable for the readership of this journal, potentially drawing attentions from others. Overall, this study is well designed with reasonable data analysis, producing the robust result and conclusion. I suggest to accept this manuscript after minor revision. Detailed comments and suggestions are as follows:

- Line 1, "non-growth" or "non-growing", which is suitable? Please check
- Line 1, Add "A" before "531-year"
- Lines 79-83. it is better that only "Figure 1" should be in bold, other text should be normal. Same for other tables and figures
- Lines 192-193, it is a little difficult to see green and yellow bars, maybe it's better to change to other color combinations.
- Line 206-233. More detailed discussions are needed. It appeared the underlying mechanisms about the non-growing season precipitation signals of tree-ring widths were lacking. The non-growing season precipitation signals of tree-ring widths seemed to imply the non-monsoon (e.g., winter) precipitation was used for tree growth. Maybe tree-ring oxygen isotopes could provide some evidence to support non-monsoon precipitation usage of tree growth.