

Interactive comment on “Evidence for elevation-dependent warming from the Chinese Tianshan Mountains” by Lu Gao et al.

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Many thanks to Dr. Yao. We appreciate your positive comments.

Dr. Yao pointed out a very important issue, which is the EDW detection at monthly scale. However, most previous studies focused on the seasonal EDW features. The unique high-resolution temperature dataset allows us to detect the EDW phenomenon at multi-temporal scales. Thus, we reveal the significant EDW features during the transition of seasons. This may explain the accelerated melting of glaciers and snow in the CTM. We expect this research to help others better understand the EDW in high mountains.

Thanks a lot for your comment again.

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Interactive comment on The Cryosphere Discuss., <https://doi.org/10.5194/tc-2020-188>, 2020.

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