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Dear Dr Lukas Gudmundsson,
Dear Referees,

Thank you for your review and response. We are happy to see that overall both referees are satisfied with the manuscript. We would like to thank reviewer 1 for raising a lot of technical problems. We found that the citation files downloaded from Google Scholar were not properly read in EndNote, which caused wrong citations. In addition, he pointed out problems related to grammar, data availability and paper structure. These are all good suggestions, and we have revised the article according to his suggestions.

Major changes and additions to the revised manuscript (please list):

1. The manuscript has been proofread and rendered.
2. The article has been revised based on the comments of reviewer 1.

Specific Responses:

Response to Reviewer #1:

Comment 1: *Also, in the revised version the authors state that the meteorological dataset "SURF_CLI_CHN_MUL_DAY" would be freely available for global researchers. However, in the source code repository they write that "SURF_CLI_CHN_MUL_DAY has just been closed for sharing." This has to be updated in the manuscript as well, if possible with some further explanation as the given link leads to a 404 error (page not found) within a chinese web portal.*

Reply 1: This has been updated in the article. Regarding the reason for closing, the response we got is "policy adjustment", and it may be reopened in the future.

Line 451: "Upon submission, due to policy adjustments, the SURF_CLI_CHN_MUL_DAY dataset has just been closed for sharing ..."

The dead urls are also removed.

Comment 2: *The manuscript needs proof reading; there are a number of grammatical and spelling mistakes. For example: ...*

Reply 2: The manuscript has been proofread and rendered. Please see the track up file.

Comment 3: *formatting should be improved. For example: ...*

Reply 3: All the places mentioned have been revised as suggested.

Comment 4: Please check carefully all references for completeness and exactness

Reply 4: We found that the citation file downloaded from Google was not properly read in EndNote, which caused wrong citations. This has been resolved by manual modification in EndNote.

Comment 5: *Structure I propose to move table 3 to the appendix*

Reply 5: Although other CAMELS data sets put this table in the text, we think this is a good suggestion, so we followed it.

Sincerely,

Zhen Hao