

June 7, 2022 – Author’s response

Dear Editor,

Thank you for your comments and it’s been a pleasure to work with ESSD. We have addressed the following points in the corrected submission.

- 1) We have added appropriate data access DOI (e.g. for CA as well as for global) at end of abstract.
- 2) We have corrected a few punctuation errors and will have a proofreader review at the proof stage.
- 3) In Section 4 the text and application are referring to the FLDAS Central Asia data stream’s Snow Water Equivalent (SWE) anomalies in Figure 9 as well as the FLDAS Central Asia SWE timeseries in Figure 10c. Figure 10a & b show timeseries of the the CHIRPS precipitation which derived the FLDAS Global data stream. The MODIS SCF was only used in the evaluation section, and not used in Section 4.
- 4) In addition, we updated the multi-panel figures to be in the same file as required in the final upload section.

Sincerely,

Amy McNally & co-authors