

## **Author's Response**

We are submitting the final version of our manuscript as requested for publication in ESSD. **Following a final thorough review of the manuscript by all co-authors**, we identified two minor corrections that need to be addressed:

### 1. Update to Figure 1

The version of Figure 1 in the previously submitted manuscript was not the final version. We have now replaced it with the correct, updated figure. This update improves the clarity of the data presentation and does not alter the scientific conclusions of the paper.

### 2. Affiliation changes for some authors

Due to an internal departmental restructuring at our institute after the submission, the affiliation details for one of our authors have been updated. The institute itself remains unchanged; only the internal department names have been revised.

#### **Authors affected: Ying Zhang**

#### **Previous affiliation:**

Heihe Remote Sensing Experimental Research Station, State Key Laboratory of Cryospheric Science and Frozen Soil Engineering, Northwest Institute of Eco-Environment and Resources, Chinese Academy of Sciences, Lanzhou 730000, China

#### **Updated affiliation:**

National Cryosphere Desert Data Center, Northwest Institute of Eco-Environment and Resources, Chinese Academy of Sciences, Lanzhou 730000, China

All other aspects of the manuscript, including the author list and scientific content, are unchanged. We have revised the manuscript file accordingly.

We apologize for any inconvenience and thank you for your handling of our paper.

Best regards,

Jinliang Hou