

Dear Melody,

Many thanks for your comments and corrections. We have addressed the following:

Line 16: (83,102 km² glacierized area), defined using optical observations may read better as (83,102 km² glacierized area, defined using optical observations) [optional]

We have corrected this in the current manuscript.

Line 111: Importantly for melt retrievals -> Importantly for melt retrievals

We have corrected this in the current manuscript.

Line 116: thus progressivly -> thus progressively

We have corrected this in the current manuscript.

Line 313: data is -> data are

We have corrected this in the current manuscript.

Figure 6 caption: Mean melt onset (MO) and freeze onset (FO) -> Mean melt onset (MO, left) and freeze onset (FO, right),

We have corrected this in the current manuscript.

Figure 8 caption: (C) Mean melt offset (DOY) in the Central Himalaya. (D) Mean melt offset -> (C) Mean freeze onset (DOY) in the Central Himalaya. (D) Mean freeze onset

We have corrected this in the current manuscript.

Supplementary material, line 15: The QSW-> QSW

We have corrected this in the current supplement.

Please add the link to the code and data in the Code and Data Availability section.

We have added a DOI link to the data repository at NSIDC and the code repository on github.

With best wishes,

Nick