

## Response to Editor's Edits

### Specific comments:

**Page 1 line 4:** One of the coauthors was inadvertently left off between versions and we have added him back in.

Agree. Text modified – page 1, line 4: “Florian Soom<sup>4</sup>” added

**Done - Page 1 line 15:**

“hydrology” changed to “hydrological”

**Done - Page 1 line 15:**

“hydrology” changed to “hydrological”

**Done - Page 1 line 21:**

“of fluxes” deleted

**Done – Figure 1:**

Added reference to supplementary material

**Done - Page 7 line 2:**

Added application area for each polygon:

“167.4 m<sup>2</sup> for the low-center polygon and 41.6m<sup>2</sup> in the high-center polygon”

**Done - Page 7 line 10:**

Added text: “...in the MacroRhizon samplers”

**Done – Figure 5:**

Changed axis label to mm/day

**Done - Page 9 line 14:**

Changed “Equations” to “Eqs.”

**Done – Figure 6:**

Axis label changed from daily to hourly precip – was a typo. This was not an average. Precip data was collected from only one source (see section 2.2 Observational network).

**Done – Figure 7:**

Axis label changed from daily to hourly precip – was a typo. This was not an average. Precip data was collected from only one source (see section 2.2 Observational network).

**Done – Figure 8**

Map and Legend have been adjusted. The lower bound elevation value in the previous version was from a larger map of the area. The values now make sense when using values only from the area in the figure. The lower bound for ground surface is now 4.5.

Also added reference to supplementary material in Figure 8 caption.

**Done - Page 19 line 31:**

Changed "point" to "front"

We use the term 'freezing front' rather than 'frost table' because bidirectional freezing occurs in this region and the 'freezing front' is not necessarily only at the frost table.