

List of revisions:

Title: Changed the word “of” to “by”.

Line 3 ff: Restructured the sentence.

Line 15 ff & Line 293 ff & Line 334 ff & Table 3: Due to a coding error, DJF values changed, and we revised these accordingly (see also Fig. 10 and Fig. A2).

Line 19: Changed the word “important” to “straightforward”.

Line 24: Changed “This instrument” to “The rain gauge was”.

Line 26 ff: Added a citation (Lundstad et al 2023)

Line 27: Restructured the sentence as suggested.

Line 34: Restructured the sentence as suggested.

Line 43: Added a sentence on a work of citizen science.

Line 53 f: Adopted the proposed changes.

Line 68: Adopted the proposed changes.

Line 77: Added the start and end dates of the observations.

Line 79 f: Restructured the sentences.

Line 82: Added more information on the life of Louis Morin.

Line 86: Added a short statement that Morin didn't leave any information, which instruments he used.

Line 86: Additional sentence stating that we got access to the manuscript and copies of the manuscript by the University of Bern and the Institut de France.

Line 86: Additional statement on the metadata of the measurement instruments.

Line 90 ff: Added two citations, especially one recently published paper dealing with Morin's humidity measurements.

Line 96: Changed the meaning of the sentence accordingly as suggested.

Line 98: Adopted the proposed changes.

Line 110 ff: Restructured the paragraph and extended the paragraph with possible uncertainties when dealing with precipitation reconstructions based on indexes.

Figure 3: Added the Spearman correlation coefficient.

Figure 5: Added the Spearman correlation coefficient.

Figure 10: Due to a coding error for the DJF season, we provide a new plot with slightly different results.

Figure A2: We provided a comparison between the Manley snow series and that of Morin in the text. Furthermore, due to a coding error for the DJF season, we provide a new plot with slightly different results.

Ad all figures: We have adjusted the axis labels.