

Letter to the editor following the proofreading

of the manuscript

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Using high-frequency solute synchronies to determine simple two-end-member mixing in catchments during storm events

By

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Dear editor Laurent Pfister,

During the proofreading process of our manuscript, I realized that I had made five minor mistakes in the text as well as in the caption of three tables and a figure. To correct these mistakes, I need your prior approval. I apologize that I have not realized these mistakes before and for the inconvenience this may cause.

In the five instances, I would like to replace the symbol $>$ (larger than) of the current version with the symbol \geq (larger than or equal to).

Our newly developed method is based on the analysis and classification of concentration-concentration relationships. As explained in the manuscript (page 5, lines 68 to 71) “*we defined a variation pattern as synchronous when the two solute concentrations have a linear relationship with a coefficient of determination (R^2) **larger than or equal to 0.8**...*”. This definition is used and described throughout the text (e.g. page 5, lines 79 – 80; captions of the tables 1, C1, C2).

However, in five instances, I incorrectly used the symbol $>$ (larger than) instead of the symbol \geq (larger than or equal to), which can be found throughout the rest of the text and in the tables. I therefore would like to correct this mistake at the following five instances:

- **Page 7, line 89:** In “... (using $R^2 > 0.8$)...”, the $>$ should be corrected and replaced by the *larger-than or equal* sign (\geq).
- **Page 8, caption of table 1:** In “Listed are all solute pairs that exhibit a synchronous variation ($R^2 > 0.8$) in at least...”, the $>$ should be corrected and replaced by the *larger-than or equal* sign (\geq).
- **Page 10, caption of figure 4:** In “... events for which synchronous variations (i.e. $R^2 > 0.8$) were observed...”, the $>$ should be corrected and replaced by the *larger-than or equal* sign (\geq).
- **Page 17, caption of table C1:** In “Listed are all solute pairs that exhibit a synchronous variation ($R^2 > 0.8$) in less than...”, the $>$ should be corrected and replaced by the *larger-than or equal* sign (\geq).

- **Page 17, caption of table C2:** In “*Listed are all solute pairs that exhibit a synchronous variation ($R^2 > 0.8$) in less than...*”, the $>$ should be corrected and replaced by the *larger-than or equal* sign (\geq).

I hope that approving these corrections will not take too much of your time and apologize again for the inconvenience.

Best wishes,

Nicolai Brekenfeld for the author-team