

Overall, I think the authors have done a great job revising this manuscript. I am satisfied with the responses to my previous comments. I have some other (mostly small) suggestions below. Once these comments are addressed, I think the manuscript will be suitable for publication. I would be happy to review the revised manuscript again.

Lines 32-33: Citations missing.

Line 35: FORTRAN is misspelled.

Line 56: 'Analyse' should be analysing.

Line 89: Remove 'are'.

Line 141: Change 'simulating' to 'simulate'.

Lines 153-154: Here, n and $n+1$ are used to refer to different time steps, while in Eq. 2, t and $t+1$ are used.

Line 207: Citations missing.

Line 212: Citation missing.

Line 248: Remove 'of'.

Line 261: Citation missing, and parentheses need to be fixed.

Line 362: Can the authors comment on possible factors that could be contributing to these sporadic differences in high-latitude areas? Is this related to the discussion of Fig. 7?

Fig. 4 & 5: Can these figures be plotted on a latitude-longitude grid? Just to provide a geographic reference in terms of where the larger differences are occurring. The same goes for similar figures in the supplementary info.

Fig 4: Can the authors comment further on the region of higher relative difference in underground runoff shown by the red in the lower right figure?

Line 375: Should the "Noah-MP" in the caption here be omitted?

Fig 9: Can the authors plot these figures using the same y-axis scale for all plots? This will aid in comparison between plots.

Line 551: 6 km is the simulation resolution, not the total size of the simulation domain. Please clarify this.

Line 556: Remove 'on river network' to make this sentence clearer.

Line 563: Remove 'happened'.

Lines 562-565: It's not necessary to refer to WRF-Hydro twice in the sentence, and I recommend re-wording it for clarity.