

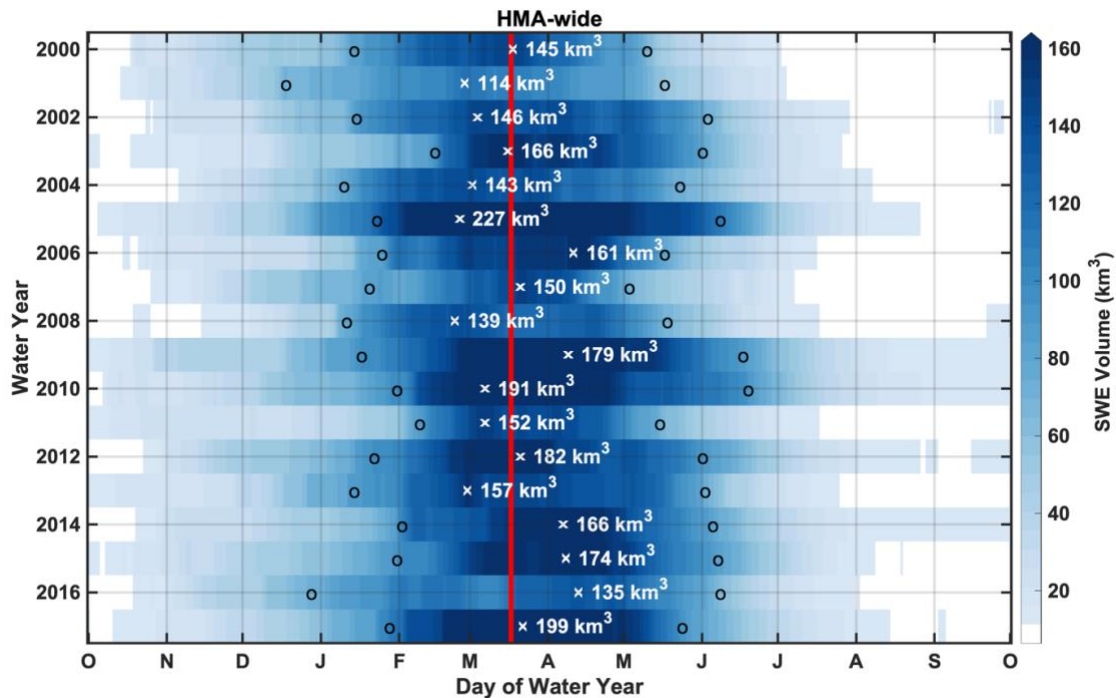
We would like to thank the reviewers for the very helpful and constructive comments in suggesting improvements in our original manuscript. Below we provide point-by-point responses to the comments.

**Reviewer # 1:**

I appreciate the additional analysis and the thorough response from the authors. I feel the authors have adequately addressed my comments, and I think they also had good responses to Reviewer #2’s concerns. Therefore, I think this manuscript should be accepted for publication and I look forward to reading the forthcoming intercomparison manuscript. I only have one minor comment below:

For Figure 9, assuming I’m understanding the red line correctly (an average of the white ‘x’s?’), could you double check your calculations? For the Indus and Salween, for example, it appears that most of the ‘x’s/date of basin-scale peak SWE volume occur after the red line. I would have assumed it would be shifted closer to the ‘x’ marks? Perhaps I’m misunderstanding this.

Thank you for raising that point. We have carefully checked Figure 9, and found the calculations are correct for the date of peak SWE volume occurrences within each year (the white ‘x’s’) and the climatology (red line). However, we noticed that the location of these white ‘x’s are offset towards the right, as an result of error in the plotting code. This fully explains why ‘most of the ‘x’s/date of basin-scale peak SWE volume occur after the red line’ as pointed out in your comment. We have fixed the error and the corrected figures are shown below (also updated in the manuscript):



**Figure 8:** Daily time-series of HMA-wide SWE volumes displayed as functions of DOWY and WY. The symbol ‘x’ is used to mark the date of peak SWE volume occurrence, with the corresponding peak SWE volume labeled in each WY. The symbol ‘o’ is used to mark the dates when 50% of the peak SWE volume is reached in each WY. The vertical red line is used to indicate the 18-year average timing of HMA-wide peak SWE volume.

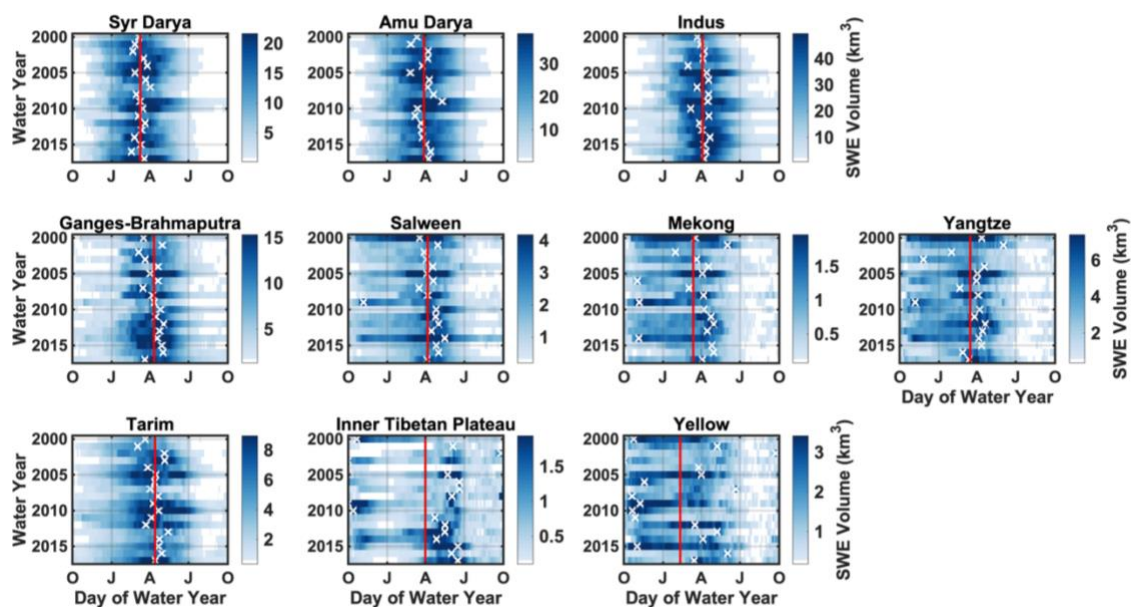


Figure 9: Daily time-series of basin-scale SWE volumes displayed as functions of DOWY and WY. The symbol 'x' is used to mark the date of basin-scale peak SWE volume occurrence in each WY. The vertical red line is used to indicate the 18-year average timing of basin-scale peak SWE volume.