

We would like to express our gratitude to the editor and reviewers for acknowledging our work and for their diligent work on the manuscript. Their support and expertise have been instrumental in the manuscript's acceptance.

In this stage, we made some refinements to enhance the manuscript's expression. The specific modifications are listed below:

Lines	Original Manuscript	Revised Manuscript
11	such as reservoirs	such as reservoir operations
39	DFAA, particularly DTF, is...	DFAA events, particularly DTF events, are...
50	The Lancang-Mekong River (LMR) Basin, as...	The Lancang-Mekong River (LMR), as...
52	the basin ...	the LMR Basin ...
53	wet season droughts account for about 40% of annual drought ...	wet-season droughts account for about 40% of annual droughts ...
67	Research highlights ...	Researches highlight ...
160-162	$X_T^{[l]}, X_S^{[l]}, X_P^{[l]}, R^{[l]}, \tilde{X}_T^{[l]}, \tilde{X}_S^{[l]}, \tilde{X}_P^{[l]}$	Added the bold display for variables: $\mathbf{X}_T^{[l]}, \mathbf{X}_S^{[l]}, \mathbf{X}_P^{[l]}, \mathbf{R}^{[l]}, \tilde{\mathbf{X}}_T^{[l]}, \tilde{\mathbf{X}}_S^{[l]}, \tilde{\mathbf{X}}_P^{[l]}$
254	Fig.2	Fig. 2
299	LDFAI, proposed by Wu et al. (2006) ...	Long-cycle droughts-floods abrupt alternation index (LDFAI), proposed by Wu et al. (2006) ...
302-303	Zhang et al. (2012) introduced the one-month interval SDFAI, ...	Zhang et al. (2012) introduced the one-month interval SDFAI (short-cycle droughts-floods abrupt alternation index), ...
364-365; 371-372	Period i refers to the near future and far future periods. Event e indicates the DTF, FTD, and DFAA events.	Period i refers to near future or far future. Event e indicates DTF, FTD, or DFAA.
454	Under SSP5-8.5 scenario, ...	Under the SSP5-8.5 scenario, ...
462	while for Nong Khai, Pakse, and Kratie, it is ...	while for Nong Khai, Pakse, and Kratie, the changes are ...
466	Under three climate models, ...	Under three climate scenarios, ...
568	Reservoir exhibits notable mitigating effects ...	Reservoirs exhibit notable mitigating effects ...
581	Reservoirs help regulate DFAA ...	Reservoirs help to regulate DFAA ...
623	..., reservoirs' control decrease further.	..., reservoirs' control decreases further.

Once again, we extend our heartfelt thanks to the editors and reviewers for the precious time invested in reviewing the manuscript, the insightful feedback shared, and the outstanding guidance provided. We sincerely appreciate their efforts!