

Supplement for: The sensitivity of modeled snow accumulation and melt to precipitation phase methods across a climatic gradient

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- 10 The following plots (Fig. S1–S11) show mean daily SWE at the 11 study stations using the 12 different precipitation phase methods as denoted by the colored lines. The mean daily SWE was computed by averaging the SWE on each day for the given precipitation phase method across the simulation years.

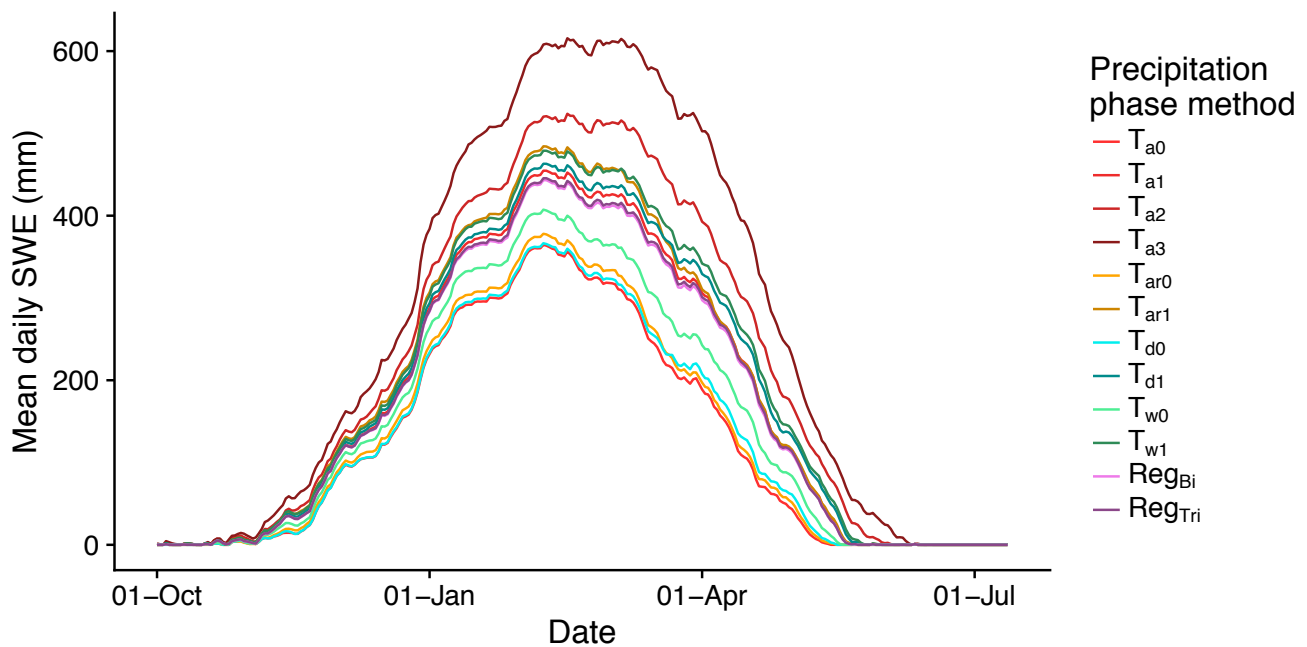


Figure S1. Mean daily SWE for the different precipitation phase methods at HJA-CEN.

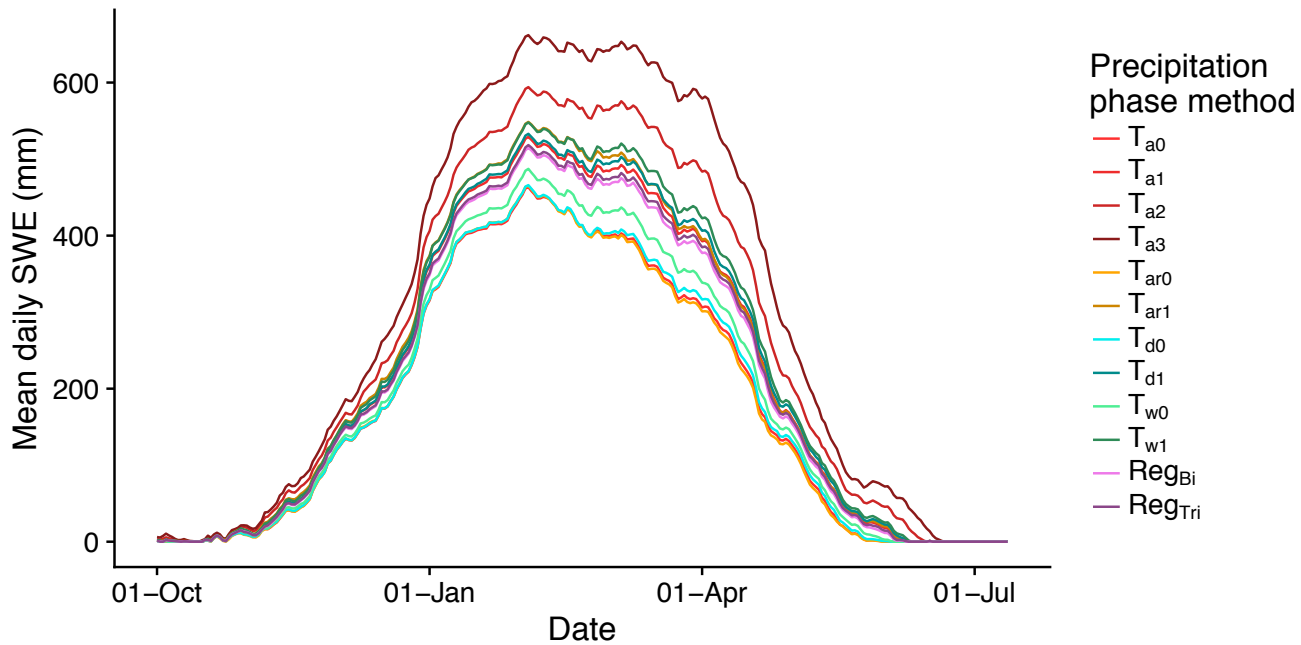


Figure S2. Mean daily SWE for the different precipitation phase methods at HJA-VAN.

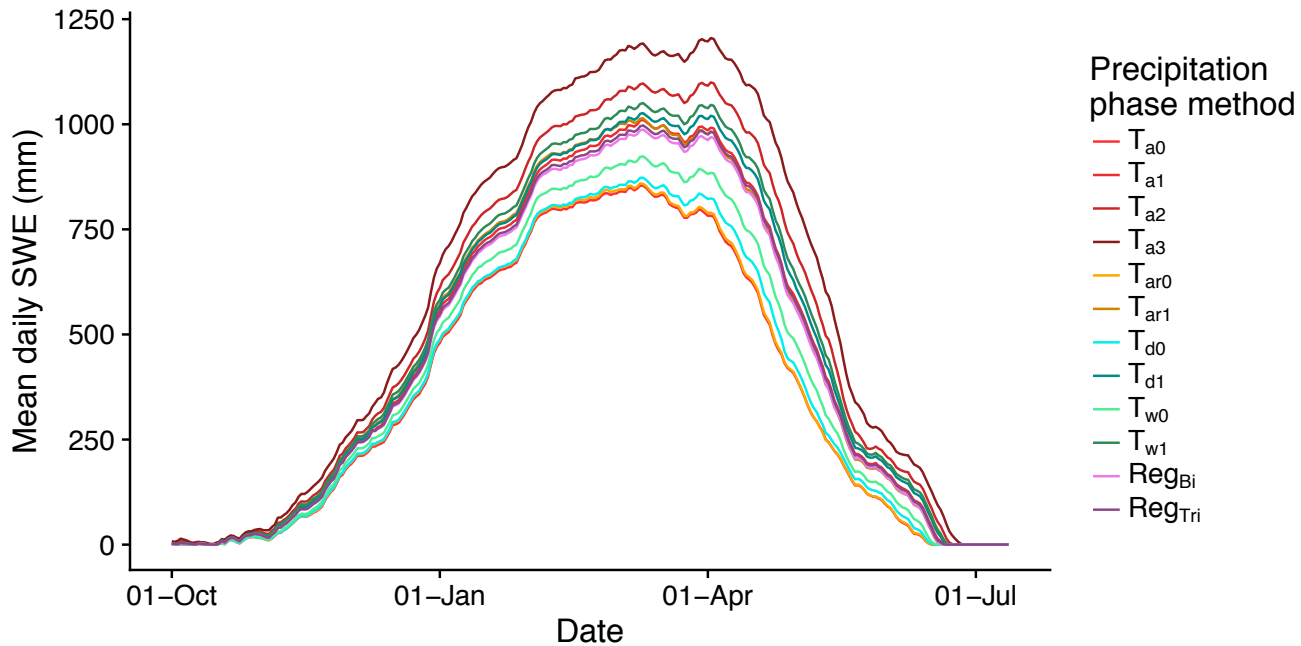


Figure S3. Mean daily SWE for the different precipitation phase methods at HJA-UPL.

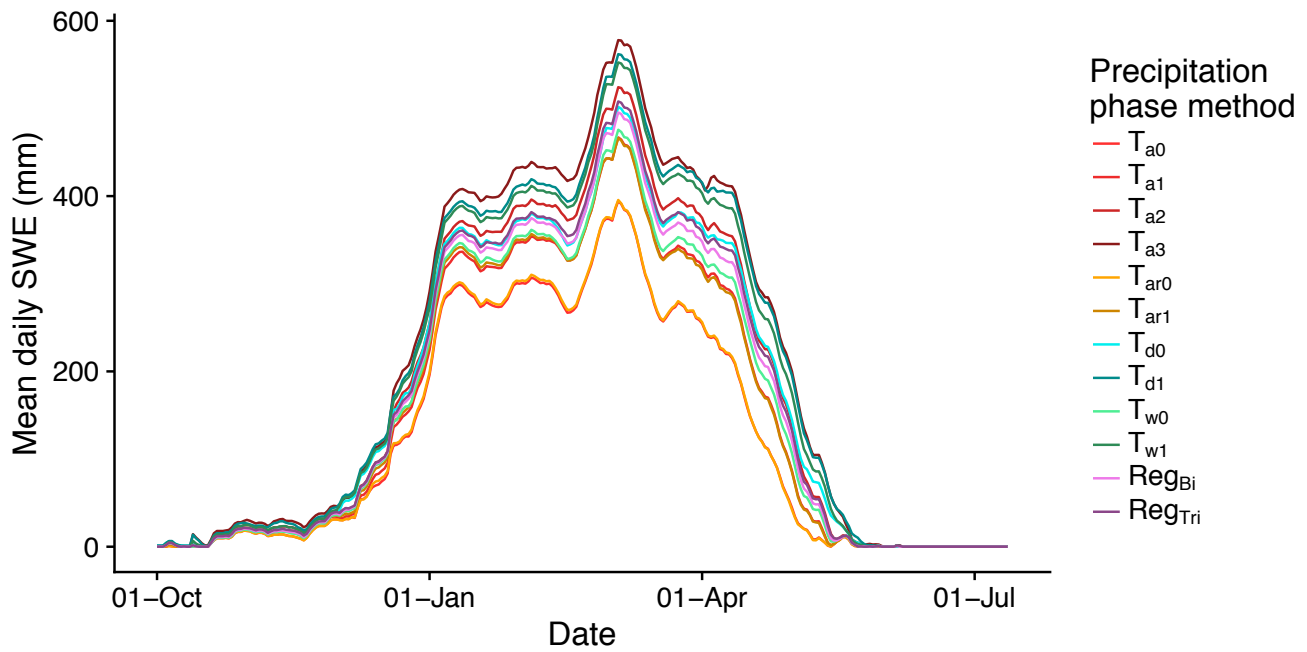
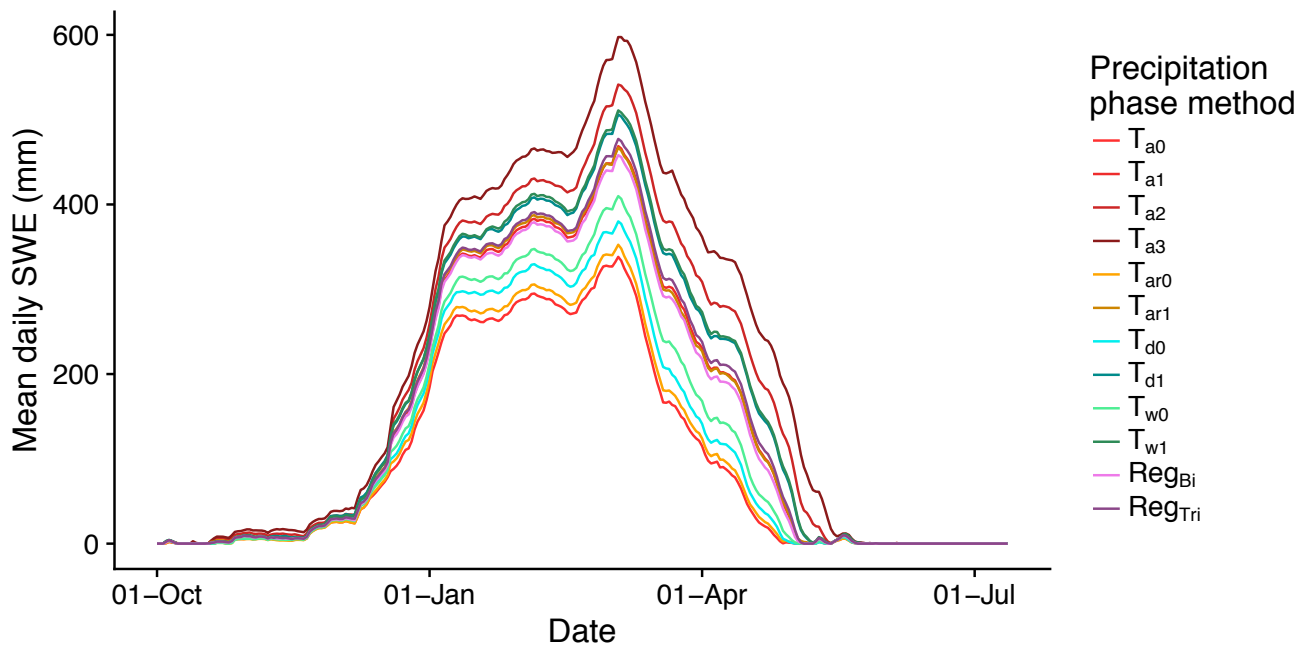


Figure S4. Mean daily SWE for the different precipitation phase methods at SSC-LWR.



5 Figure S5. Mean daily SWE for the different precipitation phase methods at SSC-UPR.

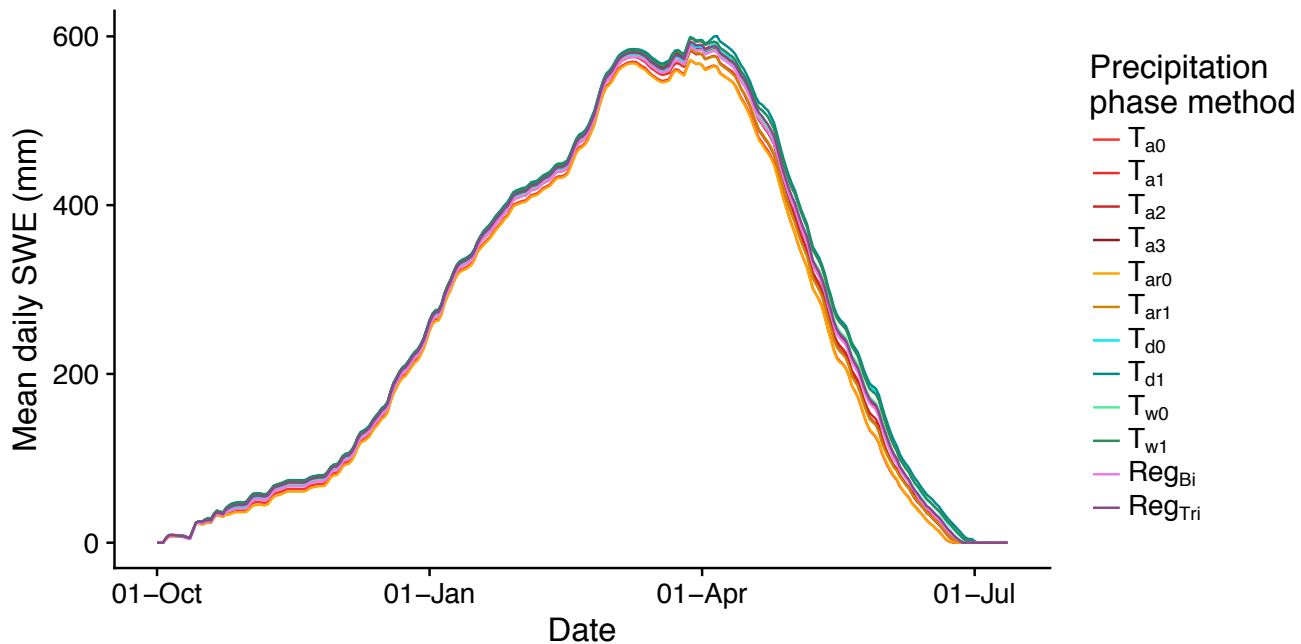
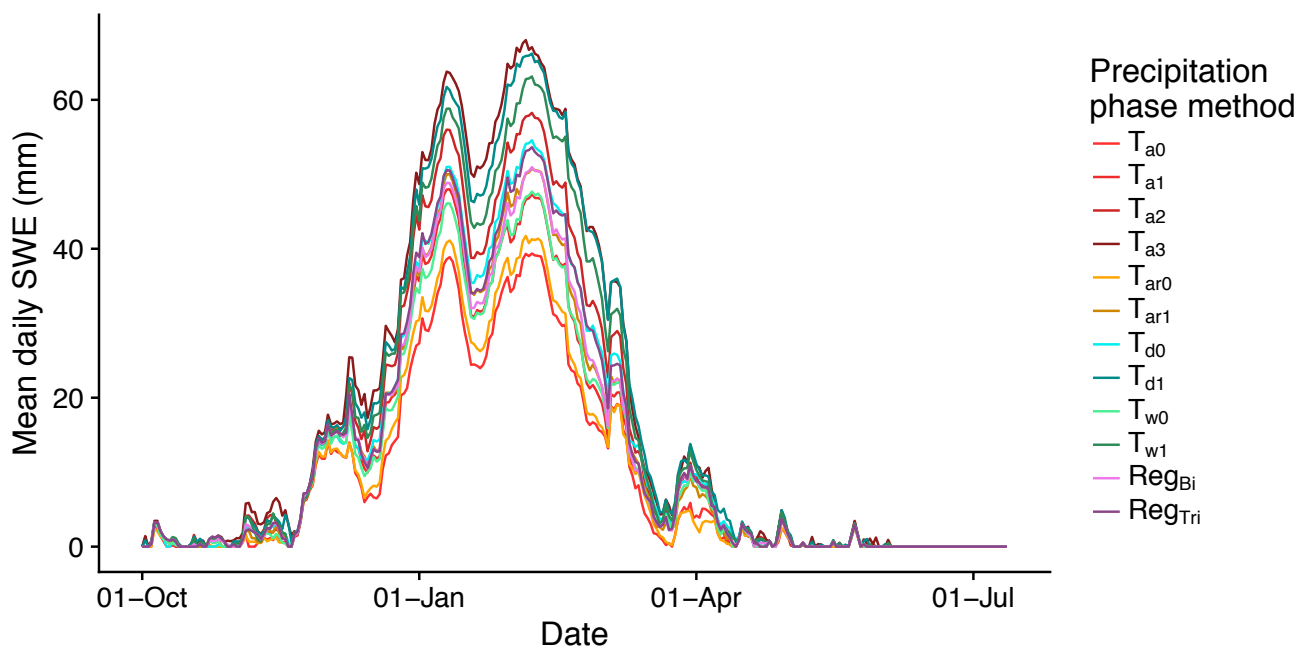


Figure S6. Mean daily SWE for the different precipitation phase methods at YOS-DAN.



5 Figure S7. Mean daily SWE for the different precipitation phase methods at JD-125.

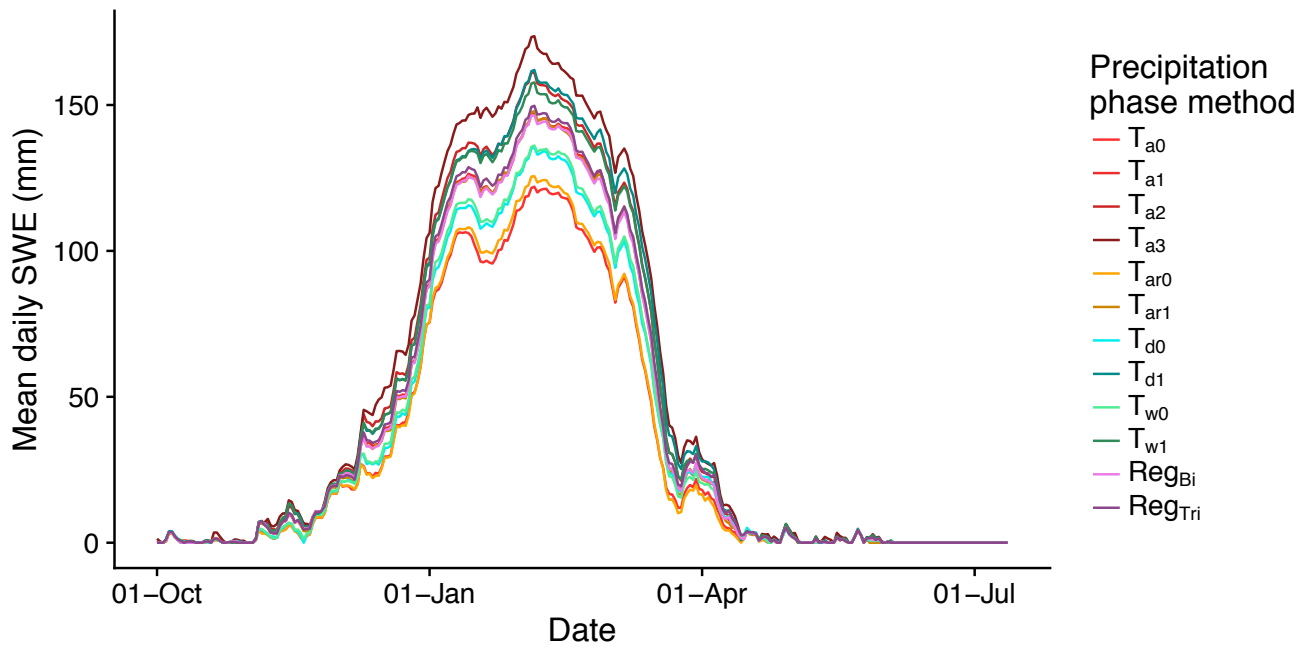
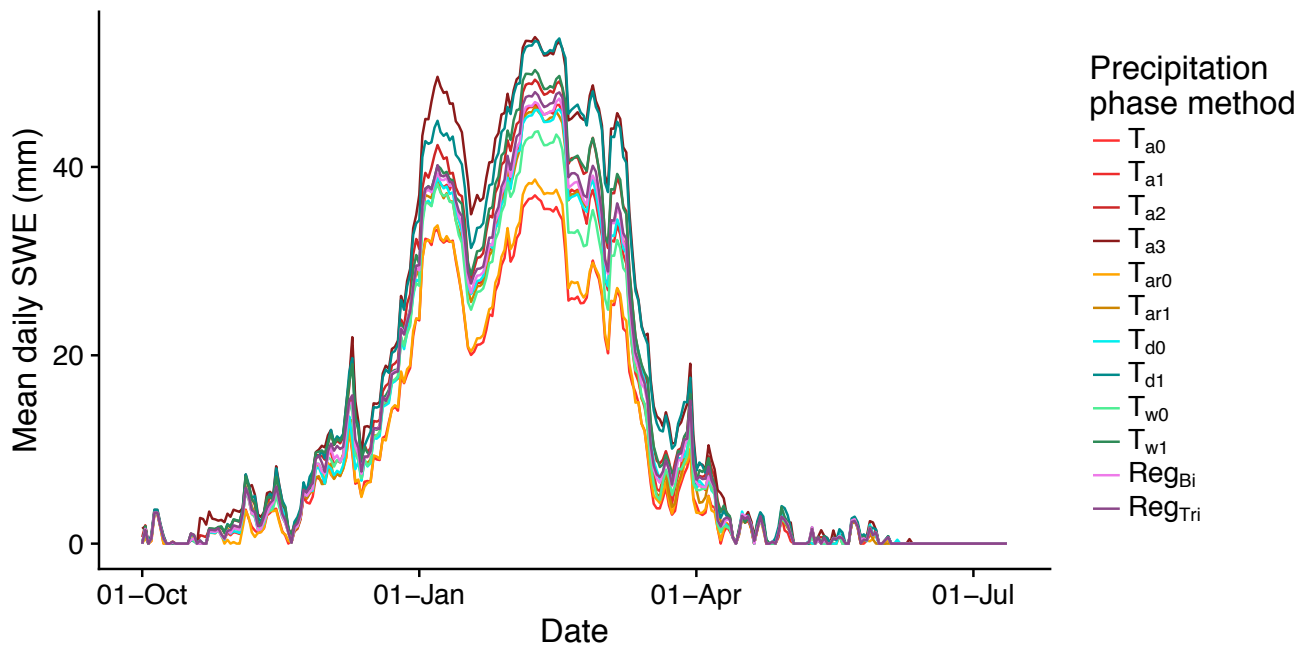


Figure S8. Mean daily SWE for the different precipitation phase methods at JD-124b.



5 Figure S9. Mean daily SWE for the different precipitation phase methods at JD-124.

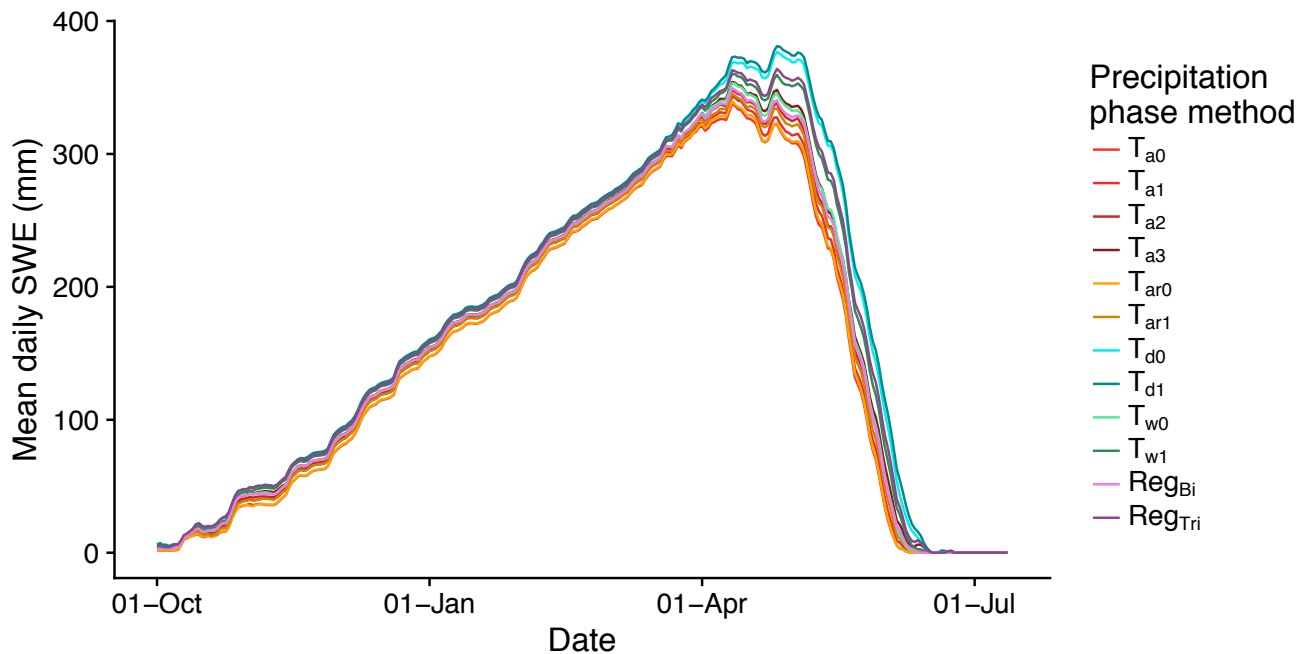
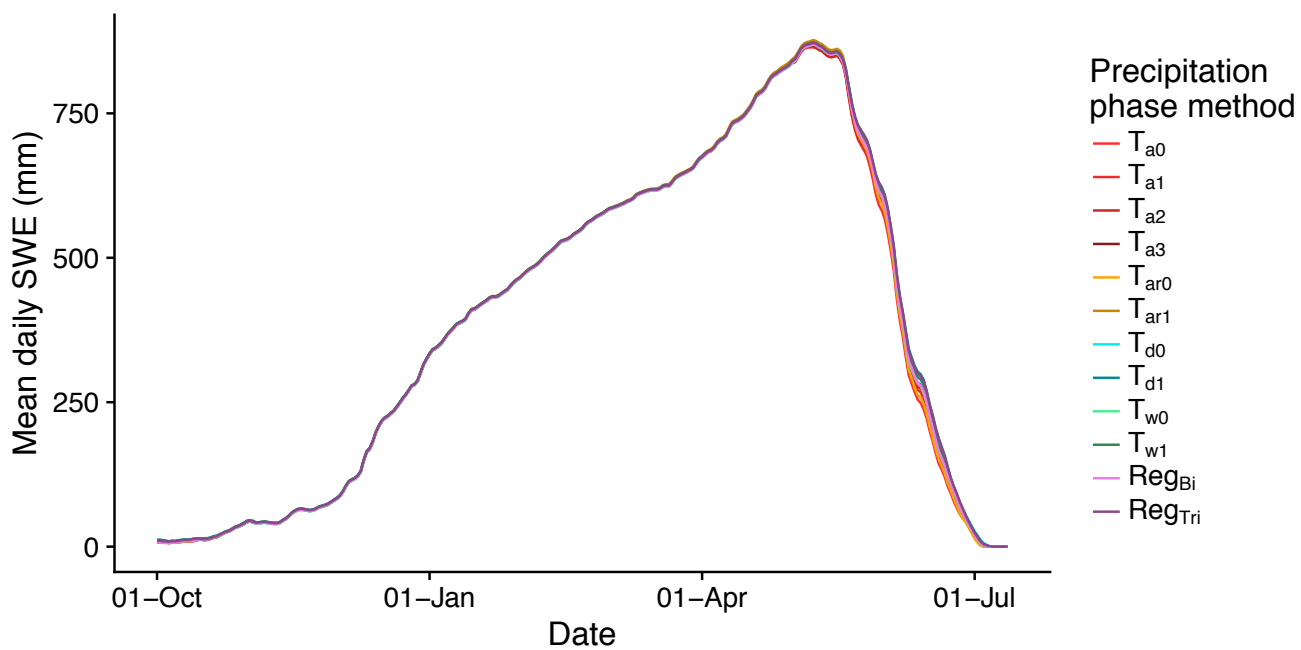


Figure S10. Mean daily SWE for the different precipitation phase methods at NWT-C1.



5 Figure S11. Mean daily SWE for the different precipitation phase methods at NWT-SDL.

Table S1. Measurement heights for wind speed and other meteorological quantities at the study stations.

Station	Wind height (m)	Other measurement heights (m)
HJA-CEN	10	4.5
HJA-VAN	10	4.5
HJA-UPL	10	4.5
SSC-LWR	4	4
SSC-UPR	4	4
YOS-DAN	5	5
JD-125	3	3
JD-124b	3	3
JD-124	3	3
NWT-C1	5*	2
NWT-SDL	5	2

*The NWT-C1 anemometer is located in an unrepresentative location (open road), so observations were corrected to represent wind speed in the forest canopy (Jennings et al., 2018a).