



Supplement of

Assessing the seasonal compartmentalization of water fluxes in the soil-plant-atmosphere continuum of a high-elevation mountain grassland

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Table S1 Number of rain-on-snow days (i.e., precipitation falling as rain while SWE is greater than zero) for each month. The intensity of the blue shading in each cell is proportional to the number of rain-on-snow days recorded during the corresponding month. Hatched cells indicate months that fall outside the study period.

Hydrologic Year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Sep	Aug	Sep
2017-2018		2	1	0	0	1	1	1	9	0	0	0
2018-2019	3	0	3	0	0	1	3	2	14	0	0	0
2019-2020	0	1	1	1	3	0	2	2	7	0	0	0
2020-2021	4	4	3	1	0	0	0	6	8	0	0	0
2021-2022	0	3	3	2	3	1	0	0	0	0	0	0
2022-2023	2	4	4	2								

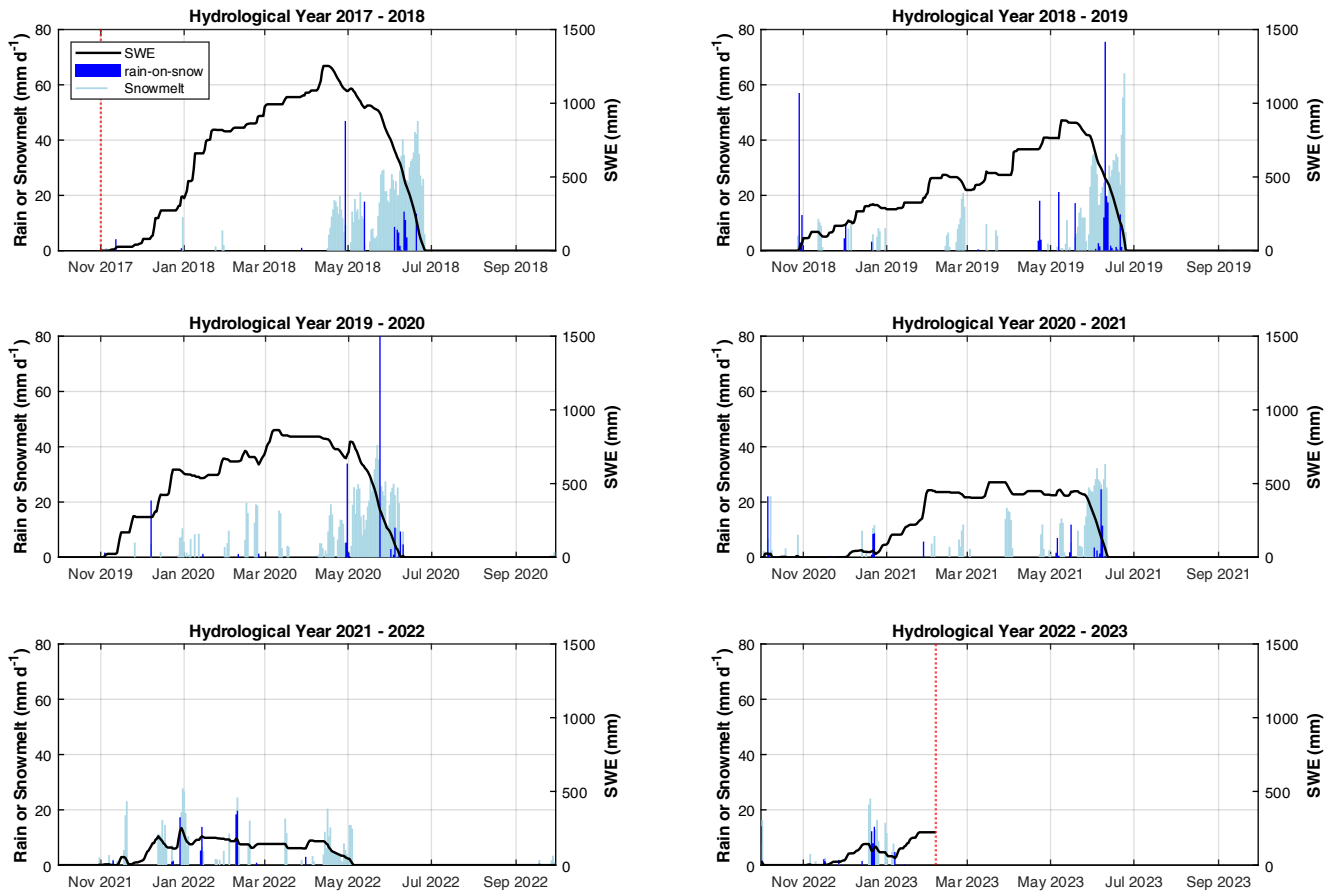


Figure S1 Daily snow water equivalent (SWE, right axis), rainfall occurring under rain-on-snow conditions (bars, left axis), and snowmelt (SM, left axis) derived from the Ceperley et al. (2020) model for each hydrological year. Rainfall is shown only for days when both rainfall and SWE are greater than zero (rain-on-snow conditions). Red dashed vertical lines indicate the start (1 November 2017) and end (6 February 2023) of the observation period.