

Table 2: Model parameter sets and model efficiency criteria of the rainfall-runoff model for the active Innere Ölgrube and the relict Schöneben rock glacier spring catchments; efficiency criteria are given for the whole time series. For more details on the relict Schöneben rock glacier, refer to Wagner et al. (2016).

		active rock glacier	relict rock glacier
		Innere Ölgrube	Schöneben
efficiency criteria [%]	$\overline{NSE}$	89,59	89,47
	$NSEQ$	84,17	89,50
	$NSE\sqrt{Q}$	91,05	90,10
	$NSE\log Q$	93,55	88,79
	$WB$	99,18	97,58
model parameters	$x_1$ [mm]	18,45	89,78
	$x_2$ [mm]	4,99	9,40
	$x_3$ [mm]	213,84	302,82
	$x_4$ [days]	1,27	1,15
	$T_s$ [°C]	-0,47	1,05
	$T_m$ [°C]	-0,44	4,10
	$C_m$ [mm/°C]	1,88	3,32
	$T_{im}$ [°C]	1,10	-
	$C_{im}$ [mm/°C]	6,96	-