

Study region	H (m)	U (m yr ⁻¹)	α (rad)	RACMO melt rate (mm water yr ⁻¹)	Bed DEM mean error (m)	Surface prediction mean misfit ($C^{0*} = 10$) (% topographic relief)	Best fitting C^{0*}
R1	824	86	0.013	2107	28.9	13.3	10
R2	1075	87	0.009	1145	30.0	9.35	6
R3	1233	88	0.009	793	41.1	10.4	13
R4	1335	81	0.006	556	80.0	12.4	29
R5	840	214	0.017	1321	55.8	13.9	23
R6	1266	87	0.007	711	53.2	11.2	11
R7	1187	92	0.011	1552	49.1	13.7	11