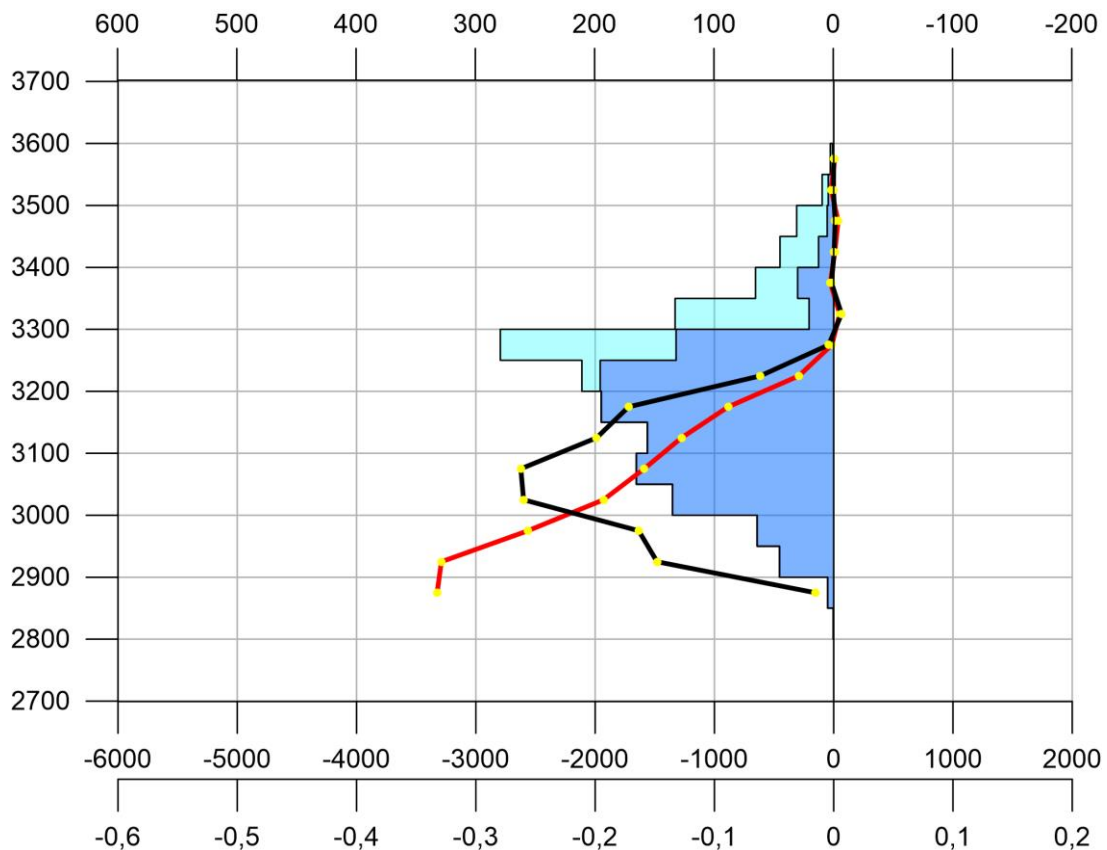




Vernagtferner
Brochkogelbereich

MASSENILANZ 2018/19

Höhenstufe m NN	B _A [10 ³ m ³]	S _A [10 ³ m ²]	B _A /S _A [mm]	B _C [10 ³ m ³]	S _C [10 ³ m ²]	B _C /S _C [mm]	B [10 ³ m ³]	S [10 ³ m ²]	B/S [mm]
3600<	0	0	0	0	0	0	0	0	0
3550 - 3600	0	1	0	0	2	0	0	2	8
3500 - 3550	0	4	-58	0	5	25	0	9	-21
3450 - 3500	0	5	-38	1	26	260	1	31	37
3400 - 3450	-1	12	-49	1	32	40	0	45	9
3350 - 3400	-3	30	-104	1	35	39	-2	65	-28
3300 - 3350	-2	20	-83	8	112	234	7	133	50
3250 - 3300	-16	132	-124	12	147	108	-4	279	-15
3200 - 3250	-62	195	-316	0	15	0	-61	211	-292
3150 - 3200	-172	194	-884	0	0	0	-172	194	-884
3100 - 3150	-199	156	-1276	0	0	0	-199	156	-1276
3050 - 3100	-262	165	-1589	0	0	0	-262	165	-1589
3000 - 3050	-260	135	-1930	0	0	0	-260	135	-1930
2950 - 3000	-163	64	-2563	0	0	0	-163	64	-2563
2900 - 2950	-148	45	-3289	0	0	0	-148	45	-3289
2850 - 2900	-16	5	-3325	0	0	0	-16	5	-3325
2800 - 2850									
2750 - 2800									
<2750									
S, M	-1304	1163	-1122	24	375	65	-1280	1538	-832



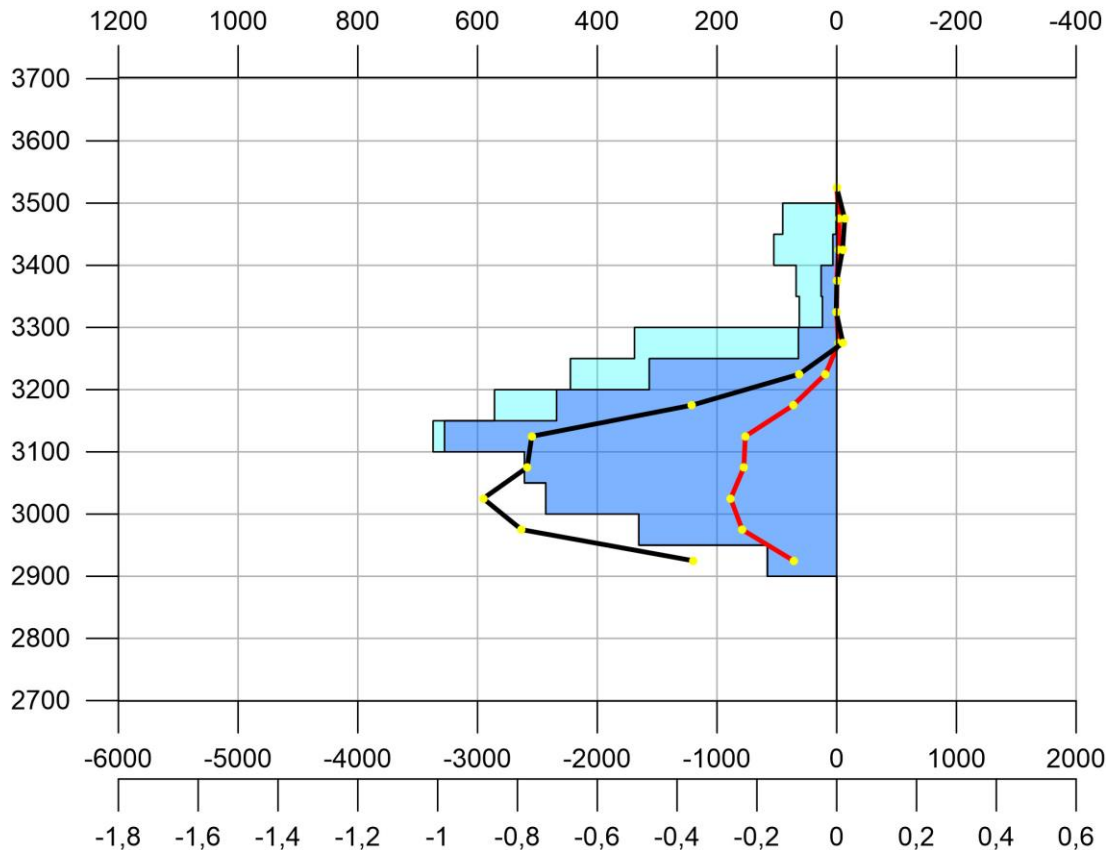


Vernagtferner Taschachjochbereich

MASSENILANZ 2018/19

Höhenstufe m NN	B _A [10 ³ m ³]	S _A [10 ³ m ²]	B _A /S _A [mm]	B _C [10 ³ m ³]	S _C [10 ³ m ²]	B _C /S _C [mm]	B [10 ³ m ³]	S [10 ³ m ²]	B/S [mm]
3600<									
3550 - 3600									
3500 - 3550									
3450 - 3500	0	1	-2	20	89	225	20	90	20
3400 - 3450	0	6	-52	15	99	152	15	105	15
3350 - 3400	-4	26	-142	4	42	97	0	68	0
3300 - 3350	-4	24	-150	2	39	60	-1	63	-1
3250 - 3300	-15	64	-239	31	274	113	16	338	16
3200 - 3250	-104	313	-332	10	132	77	-94	445	-94
3150 - 3200	-372	468	-796	9	104	0	-363	572	-363
3100 - 3150	-765	655	-1167	0	19	0	-764	674	-764
3050 - 3100	-776	522	-1487	0	0	0	-776	522	-776
3000 - 3050	-886	486	-1823	0	0	0	-886	486	-886
2950 - 3000	-790	331	-2389	0	0	0	-790	331	-790
2900 - 2950	-360	116	-3108	0	0	0	-360	116	-360
2850 - 2900									
2800 - 2850									
2750 - 2800									
<2750									

S, M **-4075 3012 -1353 92 797 115 -3983 3809 -1046**



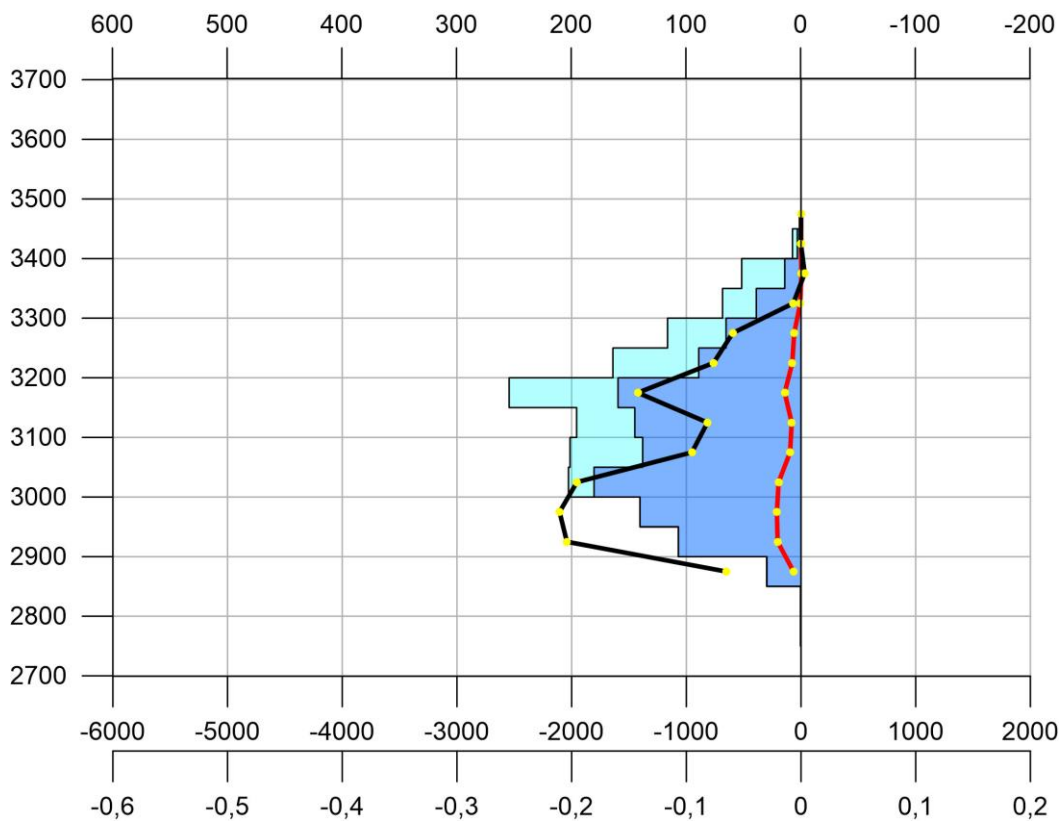


Vernagtferner Schwarzwandbereich

MASSENILANZ 2018/19

Höhenstufe m NN	B _A [10 ³ m ³]	S _A [10 ³ m ²]	B _A /S _A [mm]	B _C [10 ³ m ³]	S _C [10 ³ m ²]	B _C /S _C [mm]	B [10 ³ m ³]	S [10 ³ m ²]	B/S [mm]
3600<									
3550 - 3600									
3500 - 3550									
3450 - 3500	0	1	0	0	2	0	0	3	0
3400 - 3450	0	3	-52	0	4	9	0	7	0
3350 - 3400	-1	14	-74	4	38	111	3	51	3
3300 - 3350	-9	39	-222	2	29	61	-7	68	-7
3250 - 3300	-63	65	-973	4	51	71	-60	116	-60
3200 - 3250	-83	89	-934	7	75	88	-76	164	-76
3150 - 3200	-151	159	-951	9	95	96	-142	254	-142
3100 - 3150	-85	145	-587	3	51	64	-82	195	-82
3050 - 3100	-101	138	-731	5	63	86	-95	201	-95
3000 - 3050	-197	180	-1095	2	22	0	-195	202	-195
2950 - 3000	-211	140	-1504	0	0	0	-211	140	-211
2900 - 2950	-204	107	-1917	0	0	0	-204	107	-204
2850 - 2900	-65	29	-2212	0	0	0	-65	29	-65
2800 - 2850									
2750 - 2800									
<2750									

S, M **-1170 1107 -1056 36 431 83 -1134 1538 -737**

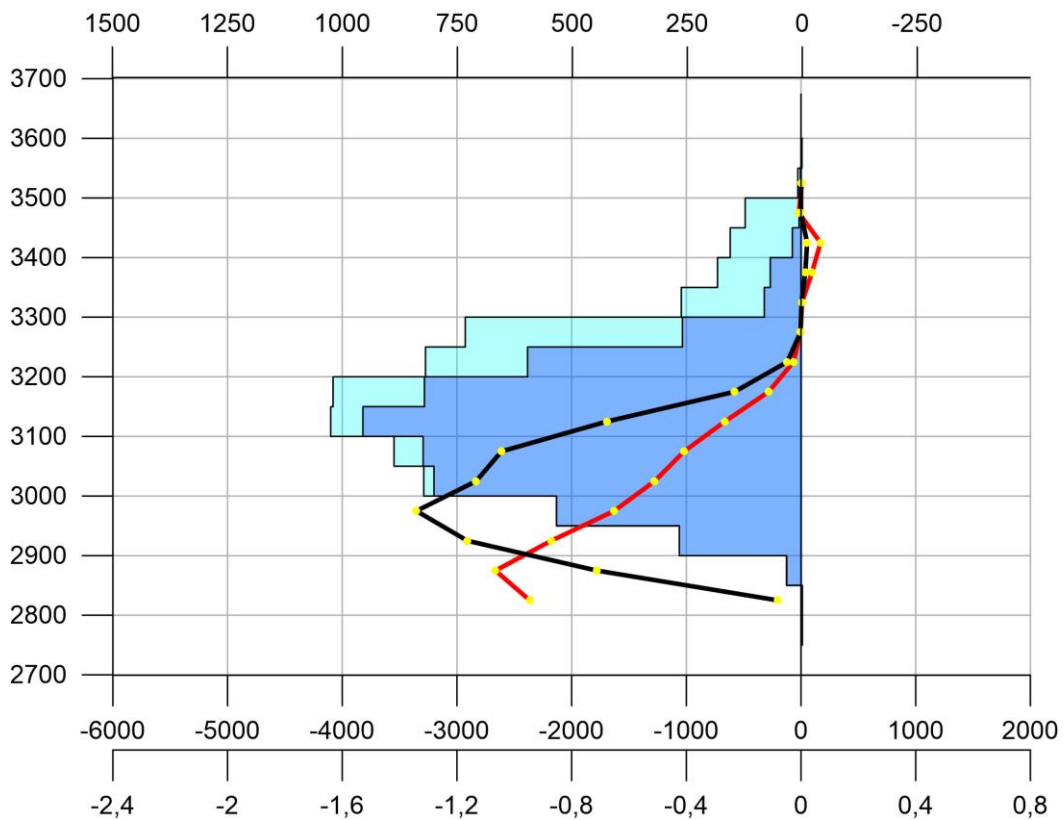




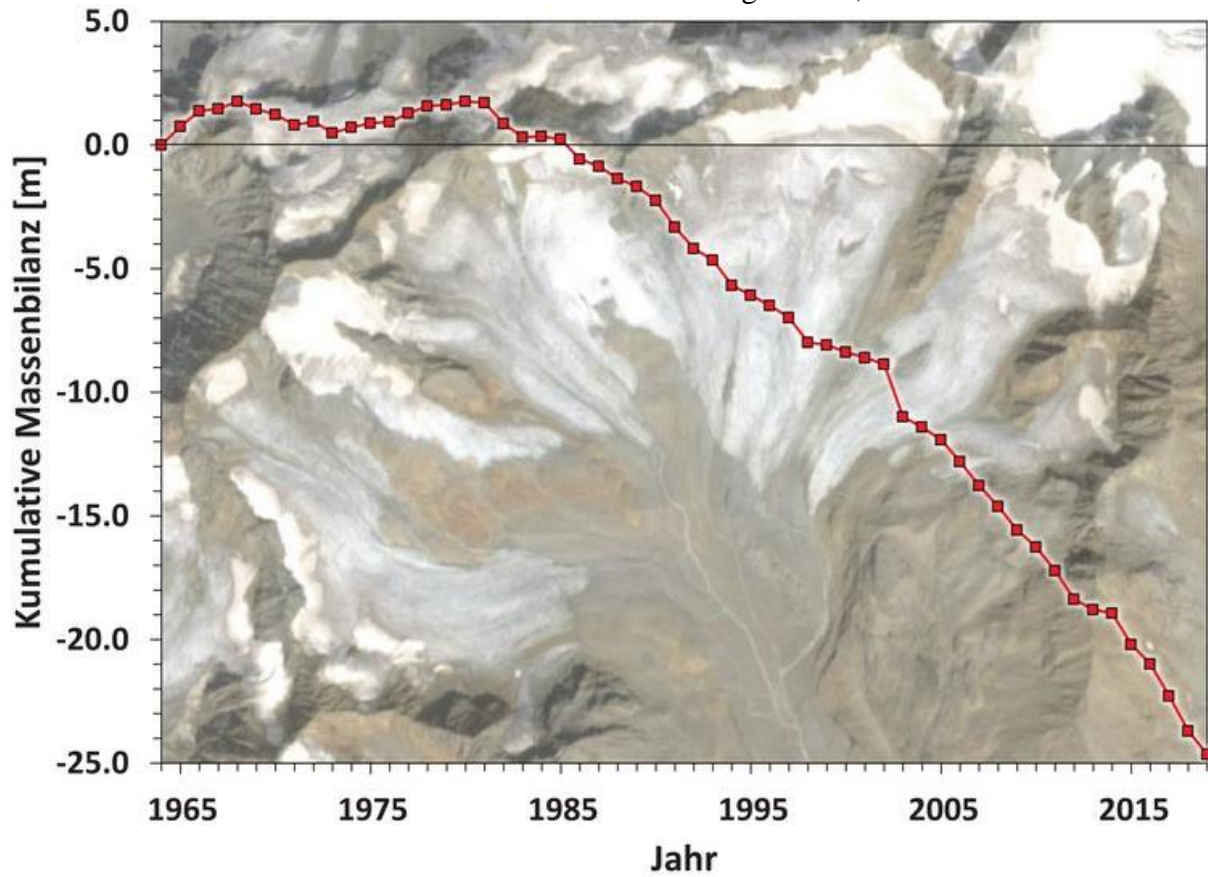
Vernagtferner
Gesamtbereich

MASSENILANZ 2018/19

Höhenstufe m NN	B _A [10 ³ m ³]	S _A [10 ³ m ²]	B _A /S _A [mm]	B _C [10 ³ m ³]	S _C [10 ³ m ²]	B _C /S _C [mm]	B [10 ³ m ³]	S [10 ³ m ²]	B/S [mm]
3600<									
3550 - 3600	0	1	0	0	2	0	0	2	8
3500 - 3550	0	4	-58	0	6	4	0	10	-20
3450 - 3500	0	7	-27	20	117	171	21	124	170
3400 - 3450	-1	22	-50	16	135	121	15	157	95
3350 - 3400	-8	70	-112	9	115	81	2	184	9
3300 - 3350	-14	83	-167	5	181	30	-1	263	-6
3250 - 3300	-95	261	-364	43	472	90	-48	733	-66
3200 - 3250	-249	597	-416	29	222	130	-231	819	-283
3150 - 3200	-696	822	-847	19	199	93	-677	1020	-664
3100 - 3150	-1048	955	-1097	4	70	53	-1045	1025	-1019
3050 - 3100	-1139	824	-1381	5	63	86	-1133	888	-1276
3000 - 3050	-1343	801	-1677	2	22		-1341	823	-1630
2950 - 3000	-1164	534	-2178	0	0		-1164	534	-2178
2900 - 2950	-712	267	-2664	0	0		-712	267	-2664
2850 - 2900	-81	34	-2365	0	0		-81	34	-2365
2800 - 2850									
2750 - 2800									
<2750									
S , M	-6549	5282	-1240	152	1603	95	-6397	6885	-929

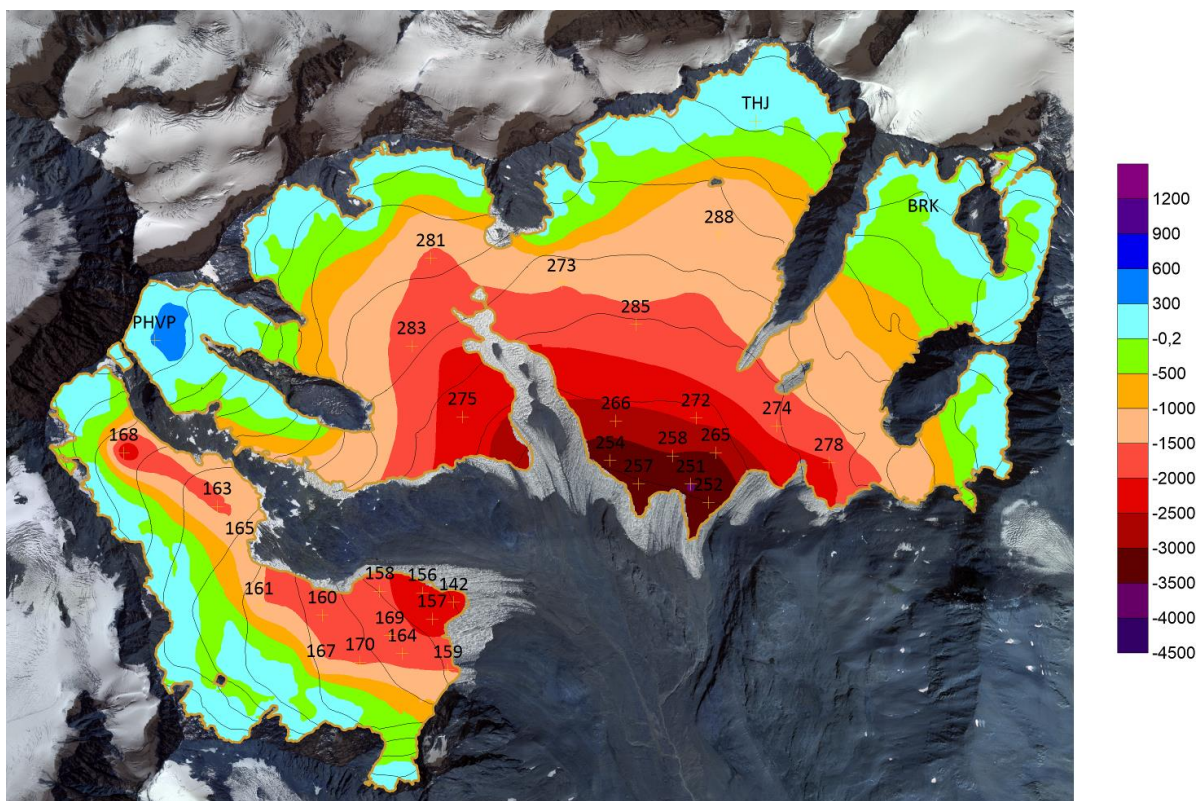


Kummulative Massenbilanz des Vernagferners, 1964-2019



Kenngrößen Massenbilanz Vernagferner 2018/2019:

b: -929 [mm]
AAR: 23 [%]
ELA: 3344 [m NN]




Massenbilanzanalyse: Christoph Mayer

Herausgeber

Erdmessung und Glaziologie der Bayerischen Akademie der Wissenschaften

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www.geo.badw.de/vernagtferner-digital