



Control points for the SWEN17 geoid models

The geoid undulation N has been interpolated from each model by **bicubic splines**. The height above the sea level H has then been computed from the ellipsoidal height h according to the formula $H = h - N$.

SWEN17_RH2000

No	Lat (deg,min,sec) (SWEREF 99)	Long (deg,min,sec) (SWEREF 99)	h (SWEREF 99)	N (SWEN17_RH2000)	H (transformed RH 2000)
1	59 3 25.527272	11 13 6.323315	57.5830	36.9245	20.6585
2	59 6 12.012030	15 6 25.494894	73.6891	28.8067	44.8824
3	59 16 54.769487	18 40 56.997001	58.1826	21.9281	36.2545
4	60 23 11.395270	12 37 6.059309	318.0094	33.7385	284.2709
5	60 54 6.630343	17 0 14.763319	73.5273	25.7580	47.7693
6	62 38 27.952512	12 5 7.772449	873.4358	36.8162	836.6196
7	62 54 8.856860	15 40 9.390536	391.9008	30.9044	360.9964
8	63 59 8.117966	20 53 44.036729	31.3300	21.0728	10.2572
9	65 8 30.709702	16 17 25.722233	478.9357	30.2643	448.6714
10	66 0 45.411901	24 0 38.565536	44.8380	20.1639	24.6741
11	66 22 53.466863	19 40 55.323782	401.7534	28.9621	372.7913
12	66 44 46.934963	15 58 17.446526	764.6805	30.8733	733.8072
13	68 26 7.399993	18 6 33.573503	537.2310	31.6713	505.5597
14	68 24 48.455816	22 23 39.085807	361.3768	28.0633	333.3135
15	55 20 13.271996	13 21 34.213201	38.5121	35.2953	3.2168
16	56 29 6.855731	16 33 12.859650	46.2872	30.1164	16.1708
17	57 8 9.028457	12 19 39.175640	58.8069	36.4874	22.3195
18	57 42 4.580856	14 18 1.562033	258.6411	32.7925	225.8486
19	57 21 59.333789	17 5 25.495069	27.6810	27.0370	0.6440
20	57 30 28.981372	18 41 11.610866	42.7220	24.4977	18.2243

SWEN17_RH70

No	Lat (deg,min,sec) (SWEREF 99)	Long (deg,min,sec) (SWEREF 99)	h (SWEREF 99)	N (SWEN17_RH70)	H (transformed RH 70)
1	59 3 25.527272	11 13 6.323315	57.5830	37.0548	20.5282
2	59 6 12.012030	15 6 25.494894	73.6891	28.9941	44.6950
3	59 16 54.769487	18 40 56.997001	58.1826	22.0634	36.1192
4	60 23 11.395270	12 37 6.059309	318.0094	33.9552	284.0542
5	60 54 6.630343	17 0 14.763319	73.5273	25.9741	47.5532
6	62 38 27.952512	12 5 7.772449	873.4358	36.9215	836.5143
7	62 54 8.856860	15 40 9.390536	391.9008	31.1689	360.7319
8	63 59 8.117966	20 53 44.036729	31.3300	21.3468	9.9832
9	65 8 30.709702	16 17 25.722233	478.9357	30.5107	448.4250
10	66 0 45.411901	24 0 38.565536	44.8380	20.3873	24.4507
11	66 22 53.466863	19 40 55.323782	401.7534	29.1549	372.5985
12	66 44 46.934963	15 58 17.446526	764.6805	31.0392	733.6413
13	68 26 7.399993	18 6 33.573503	537.2310	31.7469	505.4841
14	68 24 48.455816	22 23 39.085807	361.3768	28.1464	333.2304
15	55 20 13.271996	13 21 34.213201	38.5121	35.3758	3.1363
16	56 29 6.855731	16 33 12.859650	46.2872	30.2382	16.0490
17	57 8 9.028457	12 19 39.175640	58.8069	36.5967	22.2102
18	57 42 4.580856	14 18 1.562033	258.6411	32.9396	225.7015
19	57 21 59.333789	17 5 25.495069	27.6810	27.1888	0.4922
20	57 30 28.981372	18 41 11.610866	42.7220	24.5567	18.1653