



Climate normals Engelberg

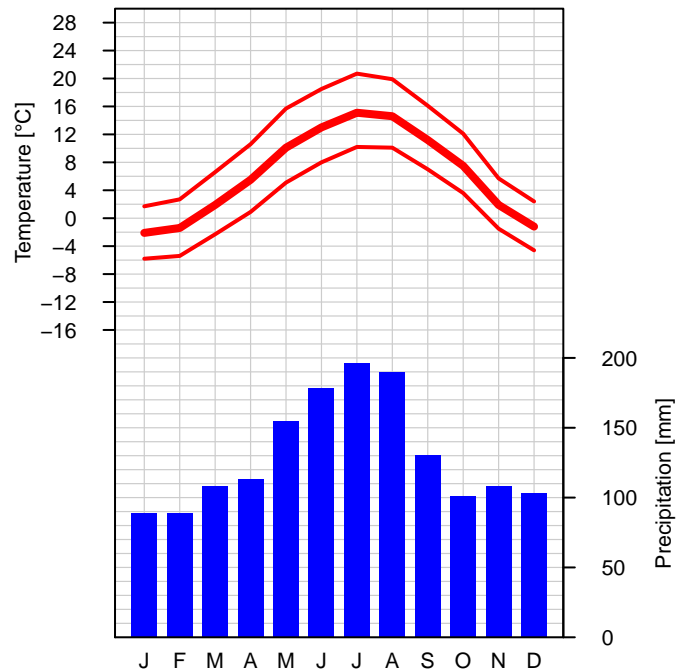
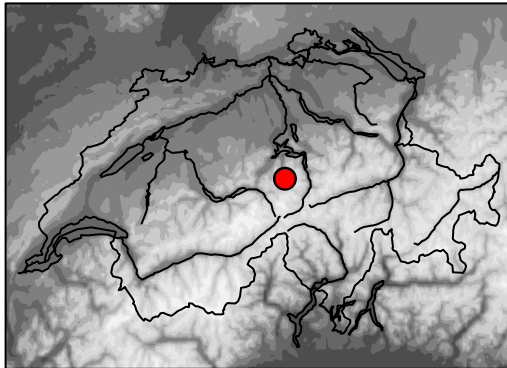
Reference period 1981–2010

Altitude a.s.l.: 1036 m

Geogr. coord.: 46.82 N / 8.41 E

Swiss coord.: 2'674'162 / 1'186'069

Climate region: Central Alpine north slope



	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year
Temperature [°C]	-2.1	-1.4	1.9	5.5	10.1	13.0	15.1	14.6	11.2	7.5	1.9	-1.2	6.3
Maximum temp [°C]	1.7	2.7	6.6	10.6	15.7	18.5	20.7	19.9	16.1	12.1	5.7	2.4	11.1
Minimum temp [°C]	-5.8	-5.4	-2.3	0.9	5.1	8.0	10.2	10.1	7.0	3.6	-1.5	-4.6	2.1
Ice days [days]	11.4	8.3	3.9	0.5	0.0	0.0	0.0	0.0	0.0	0.2	5.1	10.0	39.4
Frost days [days]	27.5	24.5	20.5	11.7	1.8	0.1	0.0	0.0	0.3	4.4	17.9	25.8	134.5
Summer days [days]	0.0	0.0	0.0	0.0	0.6	3.6	5.9	3.6	0.4	0.0	0.0	0.0	14.1
Heat days [days]	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.3	0.0	0.0	0.0	0.0	0.6
Sunshine [h]	51	91	122	133	145	150	165	152	132	114	61	31	1350
Sunshine [%]	46	46	44	42	41	40	45	46	46	48	44	42	44
Bright days [days]	11.3	9.9	9.2	7.4	6.3	4.8	6.1	7.3	7.8	9.9	9.4	9.9	99.3
Cloudy days [days]	14.0	12.1	12.7	11.7	11.9	11.7	10.0	10.2	10.4	11.3	14.3	15.6	145.9
Precipitation sum [mm]	89	89	108	113	155	178	196	190	130	101	108	103	1559
Precipitation 1 mm [days]	11.4	10.4	13.6	12.9	14.9	15.9	15.2	14.3	12.0	10.3	11.4	11.7	154.0
Precipitation 5 mm [days]	5.9	5.8	7.6	7.3	9.5	10.7	10.4	9.6	7.5	6.3	6.6	6.8	94.0
Precipitation 10 mm [days]	3.0	3.1	3.6	4.1	5.5	6.8	7.7	6.6	4.6	3.2	3.8	3.4	55.4
Precipitation 50 mm [days]	0.0	0.0	0.0	0.0	0.2	0.1	0.3	0.3	0.1	0.1	0.1	0.1	1.3
Precipitation 100 mm [days]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



Climate normals Engelberg

Reference period 1981–2010

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year
Precipitation 0%–q [mm]	2	20	40	30	46	105	39	36	52	3	29	23	1213
Precipitation 20%–q [mm]	33	38	71	74	87	144	140	143	80	62	55	65	1462
Precipitation 40%–q [mm]	80	68	89	93	116	165	178	178	107	85	84	82	1500
Precipitation 60%–q [mm]	91	101	117	118	169	190	232	206	132	105	117	96	1557
Precipitation 80%–q [mm]	131	118	144	153	228	218	254	231	171	139	138	147	1659
Precipitation 100%–q [mm]	210	298	242	221	279	256	308	392	272	240	317	218	2012
Snowfall [cm]	–	–	–	–	–	–	–	–	–	–	–	–	–
Snowfall [days]	–	–	–	–	–	–	–	–	–	–	–	–	–
Snow cover > 0 cm [days]	–	–	–	–	–	–	–	–	–	–	–	–	–
Snow cover > 1 cm [days]	–	–	–	–	–	–	–	–	–	–	–	–	–
Snow cover > 10 cm [days]	–	–	–	–	–	–	–	–	–	–	–	–	–
Snow cover > 50 cm [days]	–	–	–	–	–	–	–	–	–	–	–	–	–
Relative humidity [%]	78	78	76	74	76	79	80	82	83	82	82	80	79
Vapor pressure [hPa]	4.2	4.3	5.3	6.6	9.2	11.8	13.6	13.5	11.2	8.5	5.9	4.6	8.2
Air pressure station [hPa]	898.7	897.2	897.0	895.2	897.7	900.0	901.2	900.9	900.4	899.2	897.4	897.4	898.5
Air pressure red. 850 [m]	1477	1465	1468	1458	1488	1514	1528	1525	1514	1497	1472	1467	1489
Wind speed [m/s]	1.6	1.7	1.9	2.3	2.3	2.0	2.0	1.7	1.7	1.6	1.7	1.6	1.8
Wind 10 m/s [days]	1.0	0.6	0.6	2.1	1.0	0.3	0.4	0.0	0.3	1.1	1.4	1.3	10.1
Wind 20 m/s [days]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Wind 30 m/s [days]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Visibility < 100 m [days]	–	–	–	–	–	–	–	–	–	–	–	–	–
Visibility < 1000 m [days]	–	–	–	–	–	–	–	–	–	–	–	–	–



Climate normals Engelberg

Reference period 1981–2010

Legend:

Climate graph:	Graph showing long-term means of monthly mean temperature, mean monthly maximum and minimum temperature as well as monthly precipitation sums of a certain measuring site.
Table:	Long-term means of monthly mean values and monthly sums of different climatological parameters. Missing values (no measurements or measuring period too short) are labeled as "-".
<i>Temperature [°C]</i>	monthly mean temperature
<i>Maximum temp [°C]</i>	monthly mean of daily maximum temperature
<i>Minimum temp [°C]</i>	monthly mean of daily minimum temperature
<i>Ice days [days]</i>	number of days with maximum temperature below 0° Celsius
<i>Frost days [days]</i>	number of days with minimum temperature below 0° Celsius
<i>Summer days [days]</i>	number of days with maximum temperature equal to or above 25° Celsius
<i>Heat days [days]</i>	number of days with maximum temperature equal to or above 30° Celsius
<i>Sunshine [h]</i>	measured sunshine duration
<i>Sunshine [%]</i>	ratio of measured sunshine duration to possible sunshine duration
Bright days [days]	number of days with sunshine duration greater than 80%
Cloudy days [days]	number of days with sunshine duration less than 20%
<i>Precipitation sum [mm]</i>	monthly precipitation sum
<i>Precipitation X mm [days]</i>	number of days with precipitation equal to or above X mm
<i>Precipitation X%-q [mm]</i>	X%-quantile of the monthly precipitation sums (0%: lowest value; 40%: 40%/60% of the values are lower/higher than this value; 100%: highest value) Attention: Annual values do not correspond to the sum of the monthly values.
Snowfall [cm]	monthly snowfall sum
Snowfall [days]	number of days with snowfall equal to or above 1 cm
Snow cover > X cm [days]	number of days with snow cover above X cm
Relative humidity [%]	monthly mean of relative humidity
<i>Vapor pressure [hPa]</i>	monthly mean of vapor pressure
<i>Air pressure station [hPa]</i>	monthly mean of air pressure at station level
<i>Air pressure red. 850 [m]</i>	monthly mean of the geopotential height of the 850 hPa level
<i>Wind speed [m/s]</i>	mean monthly wind speed
Wind X m/s [days]	number of days with wind speed (10min mean) equal to or above X m/s
Visibility < X m [days]	number of days with visibility < X m (at least once a day). A visibility below 1000 m is also called fog.

Homogeneous data series were used to calculate long-term means for the parameters shown in italics. The selection of the parameters is based on the guidelines of the World Meteorological Organization (WMO–No. 1203). The values can change due to continuous quality control and homogeneity updates. Further information on the Swiss climate and on the homogenization topic can be found on www.meteoswiss.ch.