



Climate normals Pilatus

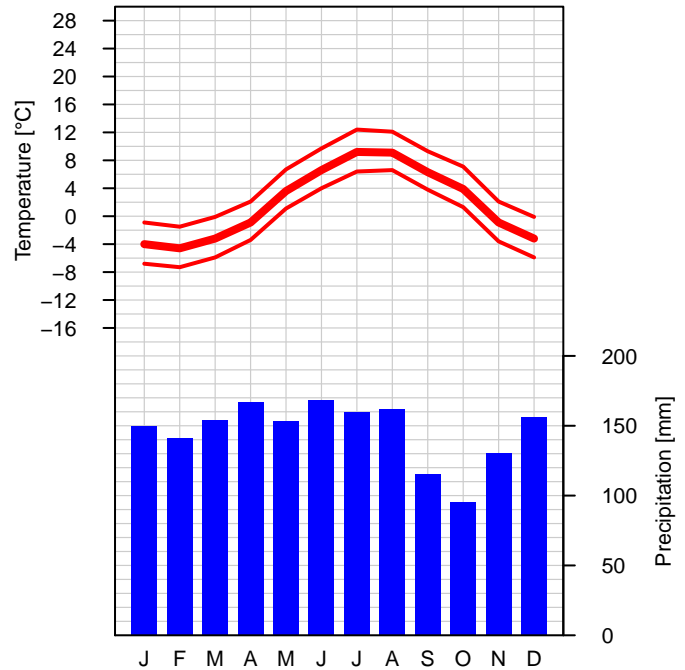
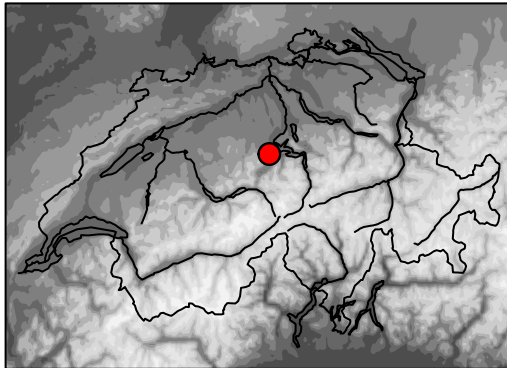
Reference period 1981–2010

Altitude a.s.l.: 2105 m

Geogr. coord.: 46.98 N / 8.25 E

Swiss coord.: 2'661'905 / 1'203'410

Climate region: Central Alpine north slope



	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year
Temperature [°C]	-4.0	-4.6	-3.2	-0.9	3.6	6.6	9.2	9.1	6.3	3.9	-0.9	-3.2	1.8
Maximum temp [°C]	-0.9	-1.5	-0.1	2.1	6.7	9.7	12.4	12.1	9.3	7.1	2.1	-0.1	4.9
Minimum temp [°C]	-6.8	-7.3	-5.9	-3.4	1.1	4.0	6.4	6.6	3.8	1.3	-3.6	-5.9	-0.8
Ice days [days]	17.0	16.6	15.5	10.3	2.9	0.6	0.0	0.0	0.9	2.5	10.1	14.6	91.0
Frost days [days]	29.4	26.2	27.4	23.2	12.4	6.2	1.3	1.3	6.1	10.8	21.9	27.4	193.6
Summer days [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
Heat days [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
Sunshine [h]	126	132	146	140	149	136	162	160	155	163	118	108	1693
Sunshine [%]	52	50	42	36	34	31	36	39	44	53	48	48	42
Bright days [days]	11.6	9.8	7.3	4.9	3.5	2.3	3.1	4.3	7.0	10.2	9.5	10.5	84.0
Cloudy days [days]	12.2	11.6	14.4	14.6	15.0	15.3	13.8	13.6	12.4	11.0	12.8	13.6	160.3
Precipitation sum [mm]	150	141	154	167	153	168	160	162	115	95	130	156	1752
Precipitation 1 mm [days]	12.3	11.0	14.5	13.7	14.8	15.7	14.2	13.7	11.4	10.4	11.7	13.7	157.1
Precipitation 5 mm [days]	7.9	7.0	8.8	9.1	9.4	10.5	9.2	9.6	6.8	6.1	7.0	8.1	99.5
Precipitation 10 mm [days]	5.2	4.5	5.3	5.9	5.2	6.4	5.8	6.0	3.9	3.6	4.4	5.6	61.8
Precipitation 50 mm [days]	0.2	0.3	0.1	0.2	0.1	0.1	0.2	0.3	0.1	0.0	0.1	0.2	1.9
Precipitation 100 mm [days]	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.2



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Precipitation 0%–q [mm]	16	40	54	19	44	82	35	56	27	6	34	36	1349
Precipitation 20%–q [mm]	54	83	86	92	90	117	86	109	67	58	68	85	1541
Precipitation 40%–q [mm]	117	100	106	138	124	165	133	137	92	69	85	109	1645
Precipitation 60%–q [mm]	170	113	139	176	162	178	182	181	117	104	136	179	1738
Precipitation 80%–q [mm]	235	207	249	229	216	192	218	224	161	138	183	215	2003
Precipitation 100%–q [mm]	379	364	348	505	280	273	325	278	280	215	364	356	2378
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 [%]	63	66	74	79	82	85	83	82	78	70	67	65	74
Vapor pressure [hPa]	2.7	2.7	3.6	4.6	6.6	8.4	9.7	9.5	7.5	5.5	3.8	3.1	5.6
Air pressure station [hPa]	785.6	784.2	784.7	784.2	788.2	791.4	793.4	793.1	791.5	789.3	785.7	784.8	788.0
Air pressure red. 850 [m]	1478	1465	1467	1456	1487	1514	1530	1527	1516	1498	1472	1468	1489
Wind speed [m/s]	6.4	5.6	5.1	5.1	4.5	3.8	3.3	3.6	4.1	5.1	6.0	6.6	4.9
Wind 10 m/s [days]	13.8	11.8	11.5	12.2	10.5	8.8	8.1	6.8	8.6	10.9	12.9	14.3	130.2
Wind 20 m/s [days]	0.1	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.2	0.1	0.7
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]	–	–	–	–	–	–	–	–	–	–	–	–	–



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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.