



Climate normals Zürich / Kloten

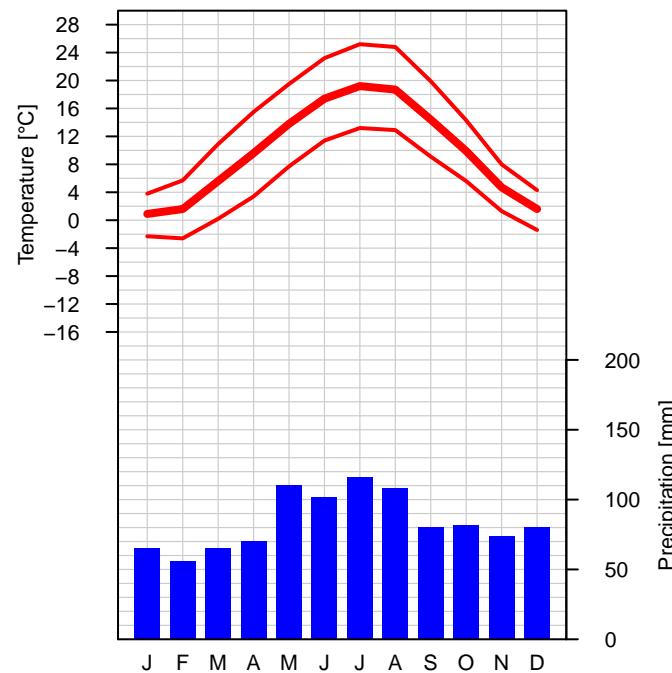
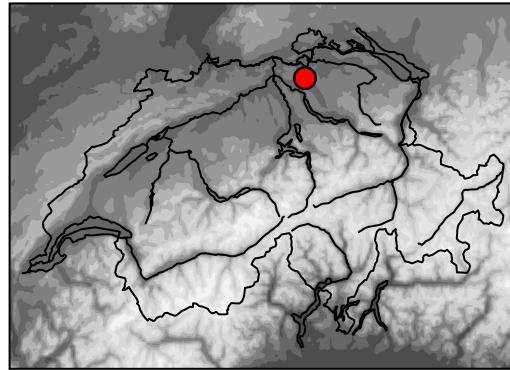
Reference period 1991–2020

Altitude a.s.l.: 426 m

Geogr. coord.: 47.48 N / 8.54 E

Swiss coord.: 2'682'711 / 1'259'339

Climate region: North-eastern plateau



	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year
Temperature [°C]	0.9	1.6	5.6	9.6	13.8	17.4	19.2	18.7	14.4	9.9	4.7	1.6	9.8
Maximum temp [°C]	3.8	5.7	10.9	15.5	19.5	23.2	25.2	24.8	19.9	14.3	8.0	4.3	14.6
Minimum temp [°C]	-2.3	-2.6	0.2	3.4	7.7	11.4	13.2	12.9	9.1	5.6	1.3	-1.4	4.9
Ice days [days]	7.0	3.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	4.6	16.5
Frost days [days]	21.5	20.7	15.2	4.9	0.3	0.0	0.0	0.0	0.0	2.0	10.1	19.6	94.3
Summer days [days]	0.0	0.0	0.0	0.8	4.5	11.7	16.4	14.9	4.1	0.1	0.0	0.0	52.5
Heat days [days]	0.0	0.0	0.0	0.0	0.1	2.5	4.8	4.3	0.0	0.0	0.0	0.0	11.7
Sunshine [h]	50	82	139	177	195	217	238	219	159	94	49	38	1657
Sunshine [%]	19	30	40	45	44	49	53	53	45	30	19	16	40
Bright days [days]	1.6	3.4	6.1	6.9	6.3	6.4	8.2	8.3	5.9	2.2	1.0	1.4	57.7
Cloudy days [days]	20.7	15.4	12.1	10.0	9.9	8.0	7.2	7.3	9.6	14.4	20.1	22.4	157.1
Precipitation sum [mm]	65	56	65	70	110	102	116	108	80	82	74	80	1009
Precipitation 1 mm [days]	9.8	8.8	9.6	9.7	11.5	11.1	11.2	11.4	9.0	10.2	9.9	10.9	123.1
Precipitation 5 mm [days]	4.2	3.8	4.6	5.0	6.6	6.2	6.6	6.3	5.3	5.4	4.6	5.3	63.9
Precipitation 10 mm [days]	1.9	1.6	2.0	1.8	3.7	3.8	4.1	3.6	2.9	2.9	2.3	2.4	33.0
Precipitation 50 mm [days]	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.4
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



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Precipitation 0%-q [mm]	4	8	13	9	22	40	30	20	36	7	1	0	772
Precipitation 20%-q [mm]	31	30	29	34	61	62	62	64	52	48	29	47	860
Precipitation 40%-q [mm]	51	44	50	53	94	86	105	93	65	64	63	62	966
Precipitation 60%-q [mm]	60	49	65	77	130	107	122	109	86	94	86	82	1027
Precipitation 80%-q [mm]	95	87	80	102	152	137	166	147	107	125	109	115	1114
Precipitation 100%-q [mm]	171	128	242	177	203	199	209	220	182	164	185	163	1436
Snowfall [cm]	11	11	6	0	0	0	0	0	0	1	4	13	46
Snowfall [days]	3.5	3.5	1.7	0.2	0.0	0.0	0.0	0.0	0.0	0.1	1.0	3.2	13.2
Snow cover > 0 cm [days]	8.4	7.1	2.3	0.2	0.0	0.0	0.0	0.0	0.0	0.2	1.6	5.9	25.7
Snow cover > 1 cm [days]	6.6	5.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.2	1.4	4.7	19.7
Snow cover > 10 cm [days]	0.4	0.6	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.7	2.1
Snow cover > 50 cm [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
Relative humidity [%]	83	79	73	69	72	72	71	74	79	84	86	85	77
Vapor pressure [hPa]	5.8	5.8	6.8	8.2	11.2	14.0	15.4	15.7	13.0	10.6	7.7	6.2	10.0
Air pressure station [hPa]	969.0	967.8	966.5	964.2	965.7	966.9	967.1	967.3	967.7	967.3	966.5	968.4	967.0
Air pressure red. sea [hPa]	1022	1020	1018	1015	1016	1016	1016	1016	1018	1018	1018	1021	1018
Wind speed [m/s]	2.8	2.8	2.9	2.7	2.6	2.4	2.4	2.1	2.2	2.2	2.3	2.7	2.5
Wind 10 m/s [days]	2.4	2.0	2.7	0.8	1.1	0.9	0.8	0.5	0.5	0.9	1.1	2.1	15.8
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]	0.2	0.5	0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.4	0.3	0.2	1.9
Visibility < 1000 m [days]	4.4	3.4	2.1	1.1	1.4	0.8	0.7	1.3	4.7	7.3	7.0	5.9	40.1



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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 "-".
Temperature [°C]	monthly mean temperature
Maximum temp [°C]	monthly mean of daily maximum temperature
Minimum temp [°C]	monthly mean of daily minimum temperature
Ice days [days]	number of days with maximum temperature below 0° Celsius
Frost days [days]	number of days with minimum temperature below 0° Celsius
Summer days [days]	number of days with maximum temperature equal to or above 25° Celsius
Heat days [days]	number of days with maximum temperature equal to or above 30° Celsius
Sunshine [h]	measured sunshine duration
Sunshine [%]	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%
Precipitation sum [mm]	monthly precipitation sum
Precipitation X mm [days]	number of days with precipitation equal to or above X mm
Precipitation X%-q [mm]	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
Vapor pressure [hPa]	monthly mean of vapor pressure
Air pressure station [hPa]	monthly mean of air pressure at station level
Air pressure red. sea [hPa]	monthly mean of air pressure reduced to sea level
Wind speed [m/s]	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.