



## Climate normals Zürich / Fluntern

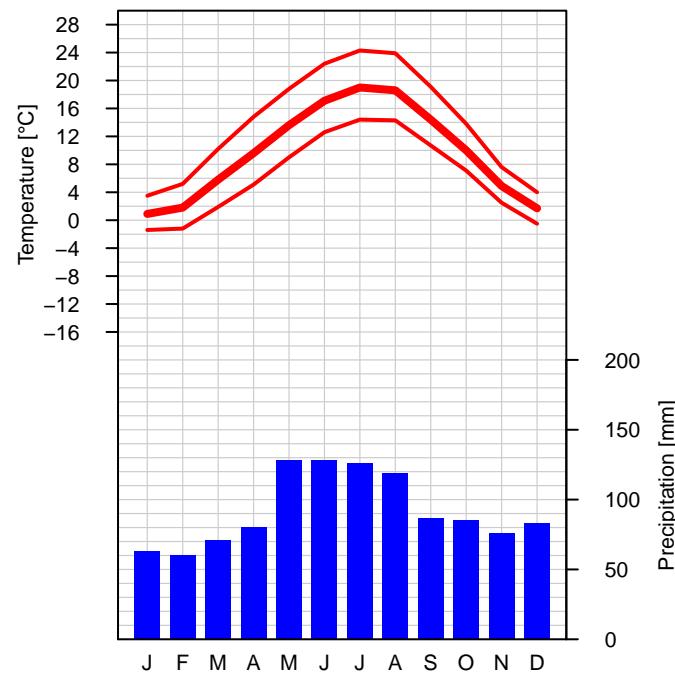
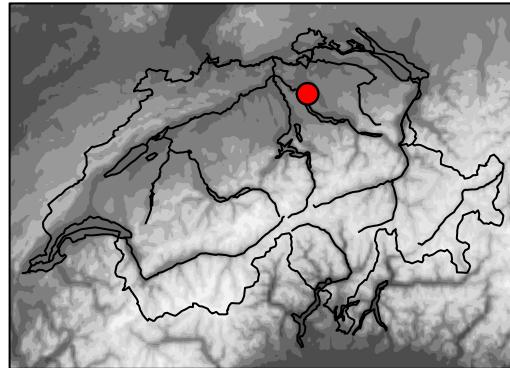
Reference period 1991–2020

**Altitude a.s.l.:** 556 m

**Geogr. coord.:** 47.38 N / 8.57 E

**Swiss coord.:** 2'685'118 / 1'248'066

**Climate region:** North-eastern plateau



	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year
<b>Temperature [°C]</b>	0.9	1.8	5.8	9.6	13.6	17.1	19.0	18.6	14.4	10.0	4.9	1.7	9.8
<b>Maximum temp [°C]</b>	3.5	5.2	10.2	14.8	18.8	22.4	24.3	23.9	19.1	13.8	7.6	4.0	14.0
<b>Minimum temp [°C]</b>	-1.4	-1.2	1.9	5.1	9.0	12.6	14.4	14.3	10.7	7.1	2.5	-0.5	6.2
<b>Ice days [days]</b>	8.0	4.6	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.9	5.6	19.9
<b>Frost days [days]</b>	18.9	16.4	8.9	2.2	0.0	0.0	0.0	0.0	0.0	1.0	7.0	17.5	71.9
<b>Summer days [days]</b>	0.0	0.0	0.0	0.4	3.3	10.1	14.7	12.9	3.4	0.0	0.0	0.0	44.8
<b>Heat days [days]</b>	0.0	0.0	0.0	0.0	0.1	1.9	3.4	3.1	0.0	0.0	0.0	0.0	8.5
<b>Sunshine [h]</b>	60	89	144	177	192	207	229	216	164	109	61	47	1694
<b>Sunshine [%]</b>	24	34	42	47	45	48	53	53	48	35	24	20	42
<b>Bright days [days]</b>	3.0	4.9	7.2	7.6	6.7	6.5	8.1	8.8	7.5	4.0	1.8	2.2	68.3
<b>Cloudy days [days]</b>	18.7	14.3	12.0	9.5	10.1	8.4	7.5	7.4	9.7	13.6	17.7	21.2	150.1
<b>Precipitation sum [mm]</b>	63	60	71	80	128	128	126	119	87	85	76	83	1108
<b>Precipitation 1 mm [days]</b>	10.1	9.0	10.5	10.8	12.4	12.1	12.2	11.8	9.9	10.1	10.0	11.5	130.4
<b>Precipitation 5 mm [days]</b>	4.2	4.0	4.9	5.6	7.5	7.7	7.5	6.9	5.2	5.7	4.6	5.4	69.2
<b>Precipitation 10 mm [days]</b>	1.7	1.9	2.2	2.4	4.1	4.4	4.4	4.0	3.1	3.0	2.4	2.4	36.0
<b>Precipitation 50 mm [days]</b>	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.1	0.0	0.0	0.0	0.0	0.5
<b>Precipitation 100 mm [days]</b>	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]	6	10	19	6	18	42	40	27	36	9	0	0	859
Precipitation 20%-q [mm]	25	36	39	43	88	85	71	72	53	48	31	43	974
Precipitation 40%-q [mm]	47	43	57	61	116	111	108	112	72	73	61	66	1060
Precipitation 60%-q [mm]	62	57	67	88	139	133	138	122	90	88	84	92	1118
Precipitation 80%-q [mm]	92	86	91	119	171	183	172	150	112	127	117	132	1225
Precipitation 100%-q [mm]	156	176	237	189	287	229	285	260	189	167	182	169	1549
Snowfall [cm]	14	18	10	2	0	0	0	0	0	2	7	19	72
Snowfall [days]	4.1	4.8	2.3	0.5	0.0	0.0	0.0	0.0	0.0	0.1	1.4	4.4	17.6
Snow cover > 0 cm [days]	10.0	10.0	3.9	0.6	0.0	0.0	0.0	0.0	0.0	0.3	2.0	8.2	35.0
Snow cover > 1 cm [days]	8.6	8.7	3.1	0.4	0.0	0.0	0.0	0.0	0.0	0.3	1.5	6.8	29.4
Snow cover > 10 cm [days]	1.0	2.3	0.8	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.5	1.5	6.3
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	77	71	67	71	71	71	74	79	84	85	85	76
Vapor pressure [hPa]	5.6	5.6	6.6	7.8	10.8	13.6	15.1	15.5	12.9	10.4	7.5	6.0	9.8
Air pressure station [hPa]	953.5	952.4	951.2	949.3	951.0	952.4	952.7	952.8	952.9	952.4	951.3	953.0	952.1
Air pressure red. sea [hPa]	1021	1020	1018	1015	1016	1016	1016	1016	1017	1018	1018	1021	1018
Wind speed [m/s]	2.3	2.3	2.5	2.1	2.1	1.9	1.9	1.7	1.8	1.8	2.0	2.2	2.1
Wind 10 m/s [days]	3.2	3.1	2.6	0.8	0.7	0.4	0.4	0.4	0.6	0.9	1.4	3.1	17.6
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]	–	–	0.1	0.0	0.0	–	–	–	–	–	–	–	–
Visibility < 1000 m [days]	–	–	2.3	1.2	0.5	–	–	–	–	–	–	–	–



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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](http://www.meteoswiss.ch).