

ABSTRACT OF THE WIND AT WINNIPEG INTERNATIONAL AIRPORT FOR THE MONTH OF JUNE
 ALL FIGURES ARE C.S.T. VELOCITY IN KILOMETERS PER HOUR

1980

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HOUR	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PEAK HOUR	GUSTS		
1	S	S	C	NNW	NNW	N	N	N	N	N	N	N	NNW	N	NNW	N	NW	N	NW	N	NNE	N	N	C	NW	50	17 CST	
2	N	N	N	C	C	C	C	C	NE	NNE	N	N	NNE	N	NNE	N	NNE	NE	ENE	ENE	ENE	ENE	HE	C	NE	43	16 CST	
3	N	C	C	C	C	C	C	E	E	ENE	ESE	E	E	E	E	E	E	E	E	ESE	SE	SE	ESE	ESE	E	50	16 CST	
4	ESE	ESE	ESE	ESE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SSE	SSE	SSE	SE	SE	SE	SE	SE	SE	SE	SSE	SSE	63	14 CST	
5	S	S	S	SSE	S	S	SSW	SSW	SSW	SSW	SSW	SSW	W	W	W	WSW	WNW	NW	WNW	WNW	WNW	WSW	WSW	WSW	WNW	48	18 CST	
6	W	WSW	WSW	W	W	W	WNW	N	NW	NNW	NNW	NNW	N	NNE	NE	NE	NE	NE	NE	NNE	NNE	N	N	N	NNE	56	17 CST	
7	NNW	N	N	43	30	41	44	44	44	44	35	46	28	26	31	31	31	30	31	NW	NW	C	C	C	N	61	03 CST	
8	NNW	WNW	NW	NNW	W	W	WNW	WNW	W	WNW	WNW	NW	NNW	NW	NW	NW	NW	NW	NW	NW	NW	W	W	W	NW	65	18 CST	
9	NNE	NE	E	N	WNW	WNW	W	NNE	N	N	NE	NNE	N	NE	NNE	NE	NE	NE	NE	NE	NE	C	C	C	NE	37	19 CST	
10	NW	NW	N	N	NNW	N	E	SE	SE	SE	SSE	ESE	ESE	ESE	SSE	S	SE	SE	SE	SE	SE	SE	SSE	SSE			13 CST	
11	S	S	S	S	S	S	SSW	S	S	S	S	S	S	S	S	S	S	S	S	NNE	ENE	S	S	S	S	70	04 CST	
12	S	S	S	S	S	S	S	S	S	S	S	S	SW	WNW	NW	WNW	WNW	NW	NW	WNW	WNW	WNW	WNW	WNW	S	54	16 CST	
13	ENE	ENE	NE	C	NE	NE	ENE	E	ENE	E	ENE	E	E	ENE	NE	E	ENE	ENE	ENE	ENE	NE	NNE	ENE	NE	E	39	10 CST	
14	C	NNE	NE	NE	ENE	NE	ENE	E	NE	NE	NE	NE	NNE	NNE	NE	NE	NE	NE	NE	ENE	NE	ENE	ENE	NE	NE	48	13 CST	
15	NE	C	C	NNE	NNE	NE	ENE	E	E	ESE	ESE	E	E	ESE	E	E	ENE	NE	NE	ENE	NE	NE	NE	WNW	E	33	15 CST	
16	W	W	C	C	S	SSW	SSW	SSW	W	WSW	W	WSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	W	50	15 CST

HOURLY TEMPERATURES AT WINNIPEG INTERNATIONAL AIRPORT FOR THE MONTH OF JUNE 1980

ALL TEMPERATURES IN DEGREES CELSIUS

DATE	00.	01.	02.	03.	04.	05.	06.	07.	08.	09.	10.	11.	12.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.
1.	12.3	11.5	10.0	9.2	9.4	7.7	8.2	9.2	10.9	11.5	12.2	13.0	13.6	14.6	14.2	15.4	15.1	14.7	14.5	13.4	11.4	8.9	6.9	4.7
2.	3.8	2.4	2.4	1.7	1.8	2.0	5.5	8.0	10.8	12.4	14.1	15.1	15.8	16.4	17.0	17.3	17.0	16.6	16.1	15.8	15.0	13.3	11.6	8.7
3.	5.8	6.3	5.0	4.0	3.0	3.0	7.5	13.5	15.6	17.0	18.0	18.7	19.9	20.7	21.5	22.0	22.8	23.0	22.7	22.0	20.5	19.2	18.4	18.1
4.	17.5	15.7	15.7	15.9	15.7	16.7	16.5	16.8	17.9	19.8	21.6	22.2	23.9	24.0	23.3	23.9	23.7	22.8	22.0	20.7	20.7	20.7	20.9	20.9
5.	20.4	19.0	18.0	15.7	17.9	17.7	17.8	19.0	20.3	20.0	20.3	20.6	22.3	23.2	23.8	24.4	27.0	25.3	26.1	25.4	22.5	19.0	18.2	17.1
6.	16.6	15.5	13.9	13.0	11.7	10.2	12.1	15.0	17.7	18.7	20.0	19.8	19.9	20.1	19.0	16.7	15.8	15.4	14.5	14.0	11.9	9.1	7.3	6.1
7.	6.4	6.9	7.4	6.8	6.1	5.9	6.4	6.2	8.2	9.4	11.3	12.5	12.8	13.5	13.8	15.1	15.0	15.0	14.7	12.8	12.0	10.9	10.0	10.0
8.	8.6	10.2	10.2	11.7	8.0	7.4	8.5	12.5	15.5	17.2	18.8	19.5	18.2	17.9	18.1	19.8	21.6	21.8	22.0	21.7	19.8	17.8	15.8	15.8
9.	15.0	14.9	14.0	12.0	11.3	11.2	11.9	15.5	18.3	18.7	20.7	20.7	21.5	22.1	23.6	23.9	24.0	22.4	21.8	20.2	18.2	17.0	12.7	11.1
10	10.0	7.4	5.8	6.2	5.6	5.1	7.1	12.4	14.5	16.1	18.2	19.6	20.2	22.4	23.8	24.5	25.0	25.3	25.0	24.5	21.4	19.0	18.8	18.2
11	17.6	17.7	16.5	16.0	15.1	14.9	15.6	18.4	22.5	25.1	26.0	27.7	29.7	30.5	29.2	29.7	30.8	30.5	28.6	25.8	25.2	25.5	25.5	24.3
12	23.6	22.9	22.9	23.1	21.0	20.9	20.2	21.2	23.0	24.6	24.5	21.5	20.2	19.6	22.2	22.7	24.5	23.9	23.1	23.4	21.7	18.8	17.9	16.4
13	16.1	16.6	15.2	12.8	12.8	11.9	14.2	15.1	16.5	11.7	18.8	19.6	20.5	21.2	22.0	23.1	22.2	21.5	20.6	19.2	18.2	17.0	16.3	15.1
14	13.4	14.8	14.6	13.5	13.5	12.5	11.1	10.9	13.8	13.8	15.5	16.0	16.6	16.6	15.1	13.8	12.4	13.5	14.0	12.7	12.2	11.6	11.5	9.7
15	7.1	6.1	4.1	3.3	1.2	2.2	5.2	9.6	13.7	14.8	16.5	16.8	18.0	19.2	20.0	20.9	20.5	20.5	19.8	19.2	18.0	14.0	11.8	10.6
16	8.1	9.6	7.7	8.5	7.1	6.9	8.9	14.5	17.5	20.1	21.6	23.0	24.2	24.8	25.8	26.4	27.0	26.5	26.7	25.9	24.4	22.1	21.9	20.7
17	19.9	18.7	16.3	12.8	14.4	15.1	16.4	17.0	17.1	16.7	15.6	17.7	15.0	14.6	13.5	13.5	14.1	14.5	15.0	15.1	14.7	13.4	10.4	11.1
18	11.0	11.0	9.7	8.0	6.1	9.5	10.4	11.5	12.4	14.0	15.1	16.6	17.1	17.7	18.9	19.0	19.0	18.9	18.2	18.1	16.7	13.6	10.0	9.0
19	8.0	5.5	4.5	5.3	4.5	5.9	8.5	12.5	15.6	18.7	20.1	20.9	21.2	22.9	23.5	24.3	24.5	24.9	24.5	22.8	19.5	16.1	14.7	15.9
20	15.2	13.8	12.7	13.0	12.5	11.0	13.0	16.7	19.4	22.4	23.6	23.5	21.1	23.6	25.0	25.7	26.2	25.6	25.8	25.5	21.2	18.0	17.5	16.5
21	16.1	14.5	13.5	12.9	12.0	12.6	13.0	15.3	17.4	19.2	20.8	22.0	23.5	24.4	25.1	26.0	25.9	26.4	26.2	25.0	23.2	21.0	20.4	19.1
22	19.2	18.9	18.5	17.7	15.9	15.8	16.4	18.1	21.6	26.0	29.6	31.1	31.8	32.4	33.1	33.6	33.4	31.7	31.6	29.3	26.4	23.3	23.9	24.3
23	22.4	17.1	18.8	19.7	18.4	18.6	19.8	21.3	23.1	26.4	28.5	28.7	29.0	29.2	29.9	31.2	31.8	33.0	31.8	30.7	29.6	28.0	27.3	26.0
24	24.6	25.2	24.7	22.0	20.2	21.6	22.6	22.1	23.0	25.4	27.0	28.3	29.2	30.0	30.1	30.1	30.0	30.0	29.1	28.4	27.1	25.0	23.5	22.0
25	21.2	19.8	18.4	18.5	17.0	17.4	17.9	20.0	22.3	23.0	24.5	23.9	24.7	22.8	21.1	19.9	20.1	19.0	17.6	16.4	14.5	13.5	12.8	12.0
26	11.2	10.5	10.5	10.5	10.4	9.7	9.4	9.9	10.8	11.9	12.3	13.6	14.3	14.4	15.8	17.5	18.7	19.1	19.2	18.1	17.5	16.0	15.6	13.6
27	13.5	13.0	12.3	12.0	12.8	12.2	12.8	14.6	15.5	15.8	15.6	19.3	18.9	17.5	19.0	17.6	16.8	15.5	15.1	14.7	14.9	15.4	14.5	14.6
28	14.8	13.8	12.6	12.4	12.4	12.8	13.3	13.5	13.5	13.7	13.1	13.6	15.2	15.6	14.4	13.0	13.7	13.9	13.5	13.5	13.5	13.2	13.0	12.6
29	12.3	12.2	11.9	11.9	11.7	11.8	11.9	12.2	13.0	13.5	14.3	15.6	18.0	17.5	19.7	20.5	20.6	21.4	21.6	21.1	19.8	16.5	15.9	15.3
30	14.0	13.6	12.7	11.7	12.2	13.1	13.7	15.6	15.7	15.2	16.6	19.9	22.5	22.0	25.0	25.2	24.5	22.9	21.0	19.9	19.3	17.5	15.0	13.7

MEAN 14.2 13.5 12.7 12.1 11.4 11.4 12.5 14.6 16.6 17.7 19.1 20.0 20.6 21.0 21.6 21.9 22.1 21.8 21.4 20.6 19.1 17.2 16.0 15.1

COMPARATIVE RECORDS RELEVÉS COMPARATIFS		MONTH MOIS		JUNE / JUIN		1980							
Temperature/Température Celsius	Precipitation/Précipitation Millimetres (mm) Rainfall/Hauteur de pluie Millimetres (mm) Snowfall/Hauteur de neige Centimetres (cm) Wind speed/Vitesse du vent Kilometres/par hour (km/h) Station pressure/Pression à la station Kilopascals (kPa)	THIS MONTH CE MOIS-CI		PREVIOUS YEAR ANNÉE PRÉCÉDENTE		NORMAL NORMALE	RECORD FOR THE MONTH RECORD POUR LE MOIS						
		VALUE RELEVÉ	DATE	VALUE RELEVÉ	DATE		HIGHEST MAXIMUM ABSOLU			LOWEST MINIMUM ABSOLU			
							VALUE RELEVÉ	DAY JOUR	YEAR ANNÉE	VALUE RELEVÉ	DAY JOUR	YEAR ANNÉE	YEAR OF RECORD ANNÉE DE RECORD
HIGHEST TEMPERATURE TEMPÉRATURE LA PLUS ÉLEVÉE		34.4	22	34.0	13	31.8	38.3	23	1900	26.1	19	1957	109
LOWEST TEMPERATURE TEMPÉRATURE LA PLUS BASSE		0.8	2, 15	3.8	11	1.5	6.7	9, 11 12	1873	-6.1	1	1888	109
MEAN MONTHLY TEMPERATURE TEMPÉRATURE MENSUELLE MOYENNE		16.8		16.2		16.5	20.3		1910	12.3		1969	109
TOTAL MONTHLY RAINFALL HAUTEUR TOTALE MENSUELLE DE PLUIE		44.6		65.1		80.3	255.8		1901	3.3		1961	109
TOTAL MONTHLY SNOWFALL HAUTEUR TOTALE MENSUELLE DE NEIGE						Tr.	1.3		1875				
TOTAL MONTHLY PRECIPITATION PRÉCIPITATION TOTALE MENSUELLE		44.6		65.1		80.3	255.8		1901	3.3		1961	109
NO OF DAYS WITH MEASURABLE PRECIPITATION NOMBRE DE JOURS AVEC PRÉCIPITATION MESURABLE		7		10		12	20		1901	3		1961	97
GREATEST RAINFALL IN ONE DAY HAUTEUR DE PLUIE MAXIMALE EN UNE JOURNÉE		19.8	27*	33.1	20		152.4	26	1901				109
GREATEST SNOWFALL IN ONE DAY HAUTEUR DE NEIGE MAXIMALE EN UNE JOURNÉE							1.3	1	1875				109
GREATEST PRECIPITATION IN ONE DAY PRÉCIPITATION MAXIMALE EN UNE JOURNÉE		19.8	27*	33.1	20		152.4	26	1901				109
MAXIMUM RAINFALL RECORDED IN: HAUTEUR DE PLUIE MAXIMALE ENREGISTRÉE EN:													
5 MINUTES		1.6	27	2.9	20		9.1	30	1952				24
10 MINUTES		2.5	27	3.4	20		17.8	30	1952				24
15 MINUTES		3.0	27	4.7	20		22.4	30	1952				24
30 MINUTES		5.5	27	6.3	20		28.4	30	1952				24
60 MINUTES		10.6	27	7.9	20		35.6	18	1964				24
24 CONSECUTIVE HOURS HEURES CONSECUTIVES		29.0	27- 28	33.1	20		152.4	26	1901				109
MEAN WIND SPEED (km/h) VITESSE MOYENNE DU VENT (km/h)		19.4		16.7		18.5	23.0		1965	13.4		1928	60
MAXIMUM SPEED (1 min.) (km/h) VITESSE MAXIMALE (1 min.) (km/h)		ESE59	27	S 59	13	57	S90	7	1954				42
MAXIMUM GUST SPEED (km/h) POINTE DU VENT MAXIMALE (km/h)		SE83	27	SSW89	13	86	WNW127	29	1967				37
TOTAL HOURS OF SUNSHINE TOTAL DES HEURES INSOLATION		286.2		335.1		258.9	376.0		1974	172.8		1925	81
MEAN STATION PRESSURE (kPa) PRESSION MOYENNE À LA STATION (kPa)		98.36		98.41		98.31	98.60		1964	97.86		1973	34
GREATEST STATION PRESSURE (kPa) PRESSION MAXIMALE À LA STATION (kPa)		99.59	7	99.68	22	99.61	1003.7	14	1961				42
LEAST STATION PRESSURE (kPa) PRESSION MINIMALE À LA STATION (kPa)		96.60	28	96.22	6	96.66		1	1967	94.86	7	1954	42
CLIMATOLOGICAL DATA FOR THE PAST DONNÉES CLIMATOLOGIQUES POUR LES													
TEN (10) DIX YEARS DERNIÈRE ANNÉES													
YEAR ANNÉE	MAXIMUM TEMP. TEMP. MAXIMALE	MINIMUM TEMP. TEMP. MINIMALE	MEAN TEMP. TEMP. MOYENNE	RAINFALL HAUTEUR DE PLUIE	SNOWFALL HAUTEUR DE NEIGE	TOTAL PRECIP. TOTALE	MEAN WINDSPEED VITESSE MOYENNE DES VENTS	MAXIMUM WINDSPEED VITESSE MAXIMALE DES VENTS	HOURS SUNSHINE HEURES INSOLATION	HEATING DEGREES-DAYS DE CHAUFFÉE	CROWING DEGREES-DAYS DE CROISSANCE		
1971	31.7	1.7	17.6	75.9		75.9	13.7	SE 37	257.3	41.7	380.0		
1972	33.3	-1.1	17.3	50.3		50.3	15.0	S 40	372.5	56.1	378.9		
1973	30.0	0.0	16.2	88.1		88.1	18.8	N 64	253.6	75.0	341.1		
1974	35.6	2.8	17.1	17.8		17.8	16.7	NW 51	376.0	65.0	365.6		
1975	30.8	3.3	16.9	120.4		120.4	14.5	ESE48	252.0	76.5	357.6		
1976	31.3	2.6	18.3	182.5		182.5	18.8	S 54	261.3	47.0	397.8		
1977	29.5	5.6	16.7	88.4		88.4	18.4	NW 59	240.0	53.1	351.0		
1978	31.1	1.1	16.1	51.5		51.5	16.7	N 52	280.1	89.1	332.6		
1979	34.0	3.8	16.2	65.1		65.1	16.7	S 59	335.1	76.7	336.2		
1980	34.4	0.8	16.8	44.6		44.6	19.4	ESE59	286.2	74.2	356.0		

1980 -*June 27-28 - 29.0 MM

1979 - *Max. rainfall doubtful 5 minutes to 60 minutes due to rain gauge malfunction.