

INTERNATIONAL AIRPORT FOR THE MONTH OF JUNE

ABSTRACT OF THE WIND AT WINNIPEG
ALL TIMES ARE C.S.T. VELOCITY IN KILOMETERS PER HOUR

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 GUSTS	TIME (CST)
1	C	C	NW	C	C	C	C	C	C	S	NNE	S	NE	ESE	N	WNW	SSE	E	SE	SSE	SE	SE	SE	SE	E	1714
2	SSE	SE	ESE	SE	SE	SSE	SE	SE	SE	SE	ESE	ESE	E	ENE	ENE	E	ESE	E	ESE	E	ESE	ESE	ESE	ESE	WNW	1534
3	SE	SE	WSW	SSE	W	W	W	W	W	WNW	W	W	WNW	W	WNW	WNW	W	W	W	W	WNW	WNW	WNW	WNW	N	0526
4	WNW	NW	WNW	NNW	N	N	N	N	N	N	N	NNE	N	N	N	N	N	N	N	NNE	NE	NNW	N	NW	NW	1354
5	WNW	WNW	WNW	WNW	W	W	W	W	W	WNW	WNW	NW	NW	NW	NW	NW	NW	NW	NW	WNW	WNW	WNW	WNW	WNW	NW	1303
6	WNW	W	W	W	W	W	W	W	W	WNW	WNW	NW	NW	NW	NW	NW	N	N	N	NE	NE	NE	NNE	NNW	SE	1636
7	N	N	WNW	N	C	C	SE	SSE	S	SE	SSE	SE	SE	SSE	S	ESE	SE	ESE	SE	ESE	SE	ESE	ESE	SE	NNW	1321
8	ESE	SSE	E	SE	ESE	W	WNW	WNW	WNW	NW	NW	NW	NW	NW	NW	NW	NNE	NNE	NNE	NE	NE	ENE	ENE	ENE	S	1504
9	S	S	SE	SSE	SE	SE	SE	SE	SE	SE	SE	SE	SSE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SSE	0842
10	SSE	SSE	SSE	SSE	S	S	SSE	SSE	SSE	S	S	S	S	S	S	SSE	S	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	1912
11	S	S	SSE	SSE	SSE	S	S	S	S	S	S	SSE	S	S	S	S	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	1804
12	SSE	SSE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SSE	SSE	S	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	W	1435
13	SSE	SSE	SSE	W	WNW	W	WNW	W	WSW	WSW	W	W	W	W	W	WNW	W	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	1728
14	C	C	C	S	SSW	S	SSE	S	SSE	S	S	SSE	SSW	S	WSW	W	W	W	W	WNW	WNW	WNW	WNW	WNW	NW	0734
15	NNW	NNW	NNW	W	NW	NW	NW	NW	NW	NW	NW	NW	NW	NNW	NNW	N	N	N	N	N	NNW	NNW	NNW	NNW	NW	

HOURLY TEMPERATURES AT WINNIPEG INTERNATIONAL AIRPORT FOR THE MONTH OF JUNE
LOCAL STANDARD TIME

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.	6.9	5.3	3.6	3.4	4.4	3.5	6.4	10.3	13.2	15.9	17.5	18.2	19.0	19.7	20.9	20.3	20.2	20.1	19.8	19.7	17.0	14.6	15.9	13.2
2.	13.2	12.1	11.3	12.0	12.6	12.7	13.2	14.8	17.2	16.3	17.4	20.2	17.3	17.3	16.8	16.3	16.0	15.5	14.1	13.2	13.2	13.6	12.5	12.2
3.	12.0	11.8	11.8	11.8	11.7	10.0	9.5	11.2	12.8	14.0	15.2	16.7	17.9	16.5	16.8	17.2	17.5	16.5	15.6	14.8	13.5	11.5	10.2	10.7
4.	10.7	11.2	10.5	10.8	10.3	9.5	8.5	8.5	8.7	9.2	10.3	10.6	11.6	12.4	12.2	12.3	10.8	11.9	12.6	12.0	10.0	6.7	5.0	5.1
5.	3.3	2.4	1.7	.9	1.8	1.7	2.6	8.0	11.0	13.0	15.2	14.4	14.8	16.8	17.6	16.2	16.8	16.8	17.0	16.3	15.4	13.1	11.9	8.7
6.	7.3	7.6	7.2	7.3	5.7	6.5	8.0	11.6	14.3	16.2	17.8	18.8	20.5	20.7	21.5	21.0	21.0	20.4	19.2	16.3	14.3	11.7	7.7	6.6
7.	4.9	5.2	3.8	2.5	1.8	2.7	6.7	9.4	11.7	14.4	16.2	18.0	19.3	21.8	22.9	23.6	24.0	23.3	22.9	21.6	19.5	20.0	19.0	16.9
8.	16.1	15.6	12.9	12.5	12.1	11.9	12.7	13.2	12.9	14.9	15.0	15.8	16.1	16.5	18.0	17.1	17.2	17.0	17.3	16.6	14.9	12.2	10.6	8.9
9.	7.9	7.5	8.4	8.7	6.4	7.8	7.8	11.0	14.0	17.0	20.0	21.6	22.5	24.1	24.0	25.2	26.3	26.2	24.6	23.3	21.7	20.7	19.3	19.2
10	18.6	18.3	18.3	18.0	17.8	15.8	16.6	18.2	19.0	20.7	22.7	24.8	27.5	28.9	29.3	31.0	30.8	31.2	29.8	28.4	26.7	25.3	24.8	23.8
11	22.5	21.2	20.4	19.3	18.6	18.2	19.4	21.4	23.8	25.7	28.0	29.3	30.1	30.8	30.6	31.9	29.8	30.2	29.5	27.7	25.9	24.5	23.1	23.0
12	22.9	22.2	21.3	19.2	18.8	18.7	19.3	20.0	20.0	21.4	21.1	21.0	22.9	22.6	22.1	24.3	24.6	24.5	24.0	21.5	21.2	20.4	19.6	19.7
13	19.7	19.4	18.8	17.3	16.5	15.7	14.7	14.4	14.4	13.7	15.6	15.9	15.2	14.9	15.2	15.6	15.4	15.6	15.8	15.7	15.0	13.8	13.8	13.0
14	12.7	11.0	10.4	12.0	11.6	11.6	12.4	13.4	15.4	17.0	17.3	19.9	21.3	21.8	22.9	22.1	22.7	21.7	19.7	18.6	16.5	14.7	13.2	13.5
15	12.2	11.3	11.1	10.0	9.9	8.2	8.2	8.3	8.2	8.1	8.3	9.9	9.9	10.6	11.1	11.3	11.2	11.5	11.4	11.8	11.8	11.2	10.9	9.2
16	7.8	8.7	6.3	5.5	5.2	4.1	6.6	9.5	11.1	13.0	13.8	14.8	16.0	16.1	17.0	18.4	18.5	19.1	19.6	19.0	16.7	14.5	11.7	11.7
17	12.2	11.3	10.8	10.9	10.4	10.1	12.6	15.1	17.2	18.9	20.4	21.2	22.1	22.4	23.3	23.0	23.3	23.4	22.6	21.5	20.3	18.6	15.8	15.0
18	13.5	13.0	12.0	11.4	10.6	11.9	14.1	15.0	17.4	19.7	21.0	22.6	23.7	24.7	24.2	24.7	24.5	24.4	24.0	22.9	22.5	21.4	20.7	19.5
19	19.0	18.4	17.9	18.1	17.8	17.1	17.5	18.2	18.2	18.0	18.8	18.0	19.9	19.4	20.4	20.8	21.2	23.2	23.8	23.2	22.7	22.4	22.1	22.0
20	19.3	19.0	18.8	18.6	18.4	18.5	18.4	18.2	18.5	19.3	19.9	20.4	21.4	24.2	24.0	25.0	23.2	17.5	19.9	20.5	20.1	19.5	19.5	18.1
21	18.9	17.4	16.5	15.6	14.6	14.2	16.7	16.9	17.2	18.4	19.0	21.1	23.3	25.3	26.3	27.1	24.5	24.9	23.7	23.6	21.6	21.8	21.0	20.9
22	21.0	16.8	15.5	15.4	15.4	15.7	15.6	15.3	15.6	15.9	18.5	19.0	19.5	20.4	22.0	21.9	23.9	22.1	19.6	20.1	19.0	17.8	16.2	15.8
23	15.9	14.6	15.1	14.3	12.7	13.4	15.3	17.9	19.1	20.2	21.2	22.1	23.5	24.2	25.6	24.6	24.3	23.2	23.1	23.8	22.7	20.7	19.7	18.5
24	17.9	16.9	16.9	16.7	16.4	17.0	18.8	20.0	22.2	22.4	24.3	24.7	26.1	26.8	26.1	25.5	25.7	25.2	25.2	24.4	24.6	24.0	23.1	22.1
25	22.1	22.6	22.4	22.7	21.1	21.0	21.1	21.9	22.6	22.4	22.2	23.5	23.2	24.1	23.7	24.9	24.4	25.8	25.5	24.7	24.3	22.4	21.4	21.6
26	19.2	17.6	16.7	15.7	14.6	14.5	15.8	17.5	19.3	20.9	22.4	22.1	22.0	21.9	20.2	18.8	17.9	17.2	16.9	15.8	14.5	13.3	12.5	11.9
27	11.9	10.8	10.4	9.6	9.4	9.3	10.9	12.3	13.7	15.0	15.4	16.8	18.4	18.8	20.8	21.8	21.9	22.3	20.6	20.0	19.5	18.5	17.1	15.0
28	13.5	12.4	12.2	10.9	10.0	9.5	13.5	15.6	17.6	18.8	19.8	21.4	23.3	22.9	23.1	23.9	24.2	24.4	23.8	22.6	20.5	18.5	16.0	16.4
29	15.2	15.0	13.8	14.0	12.5	12.6	13.5	16.7	17.7	19.9	20.6	21.8	22.0	17.4	18.9	18.7	19.1	17.1	16.8	15.3	15.0	14.4	14.8	14.9
30	14.9	15.0	15.2	14.8	14.8	15.1	15.3	15.7	16.3	15.8	16.5	16.5	17.2	17.2	18.0	17.3	17.0	16.8	16.1	15.8	15.6	14.8	14.5	14.7
MEAN	14.4	13.7	13.1	12.7	12.1	11.9	13.1	14.6	16.0	17.2	18.4	19.4	20.2	20.7	21.2	21.4	21.3	21.0	20.5	19.7	18.5	17.2	16.1	15.4

MEAN DAILY TEMPERATURES BASED ON HOURLY READINGS

DATE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
MEAN	13.7	14.6	13.6	10.1	10.7	13.7	14.7	14.5	17.3	23.6	25.2	21.4	15.6	16.4	10.2	12.7

MEAN DAILY TEMPERATURES BASED ON HOURLY READINGS

DATE	17	18	19	20	21	22	23	24	25	26	27	28	29	30
MEAN	17.6	19.1	19.9	20.0	20.4	18.3	19.8	22.2	23.0	17.5	15.8	18.0	16.6	15.8

COMPARATIVE RECORDS RELEVÉS COMPARATIFS		MONTH MOIS				JUNE/JUIN						19 83		
Temperature/Température Precipitation/Précipitation Rainfall/Hauteur de pluie Snowfall/Hauteur de neige Wind speed/Vitesse du vent Station pressure/Pression à la station	°Celsius - Millimetres (mm) - Millimetres (mm) - Centimetres (cm) - Kilometres/par hour (km/h) - Kilopascals (kPa)	THIS MONTH CE MOIS-CI		PREVIOUS YEAR ANNÉE PRÉCÉDENTE		NORMAL NORMALE	RECORD FOR THE MONTH RECORD POUR LE MOIS						YEARS OF RECORD ANNÉES D'OBSERVATION	
		VALUE RELEVÉ	DATE	VALUE RELEVÉ	DATE		HIGHEST MAXIMUM ABSOLU			LOWEST MINIMUM ABSOLU				
							VALUE RELEVÉ	DAY JOUR	YEAR ANNÉE	VALUE RELEVÉ	DAY JOUR	YEAR ANNÉE		
HIGHEST TEMPERATURE TEMPÉRATURE LA PLUS ÉLEVÉE		32.2	10,11	27.1	23	31.7	38.3	23	1900	26.1	24,19 1,2	1957 1902	112	
LOWEST TEMPERATURE TEMPÉRATURE LA PLUS BASSE		0.8	5	-1.0	2	1.5	6.7	9,11 12	1873	-6.1	1	1888	112	
MEAN MONTHLY TEMPERATURE TEMPÉRATURE MENSUELLE MOYENNE		17.1		13.6		16.8	20.3		1910	12.3		1969	112	
TOTAL MONTHLY RAINFALL HAUTEUR TOTALE MENSUELLE DE PLUIE		139.2		54.2		80.1	255.8		1901	3.3		1961	112	
TOTAL MONTHLY SNOWFALL HAUTEUR TOTALE MENSUELLE DE NEIGE		0.0		0.0		TR.	1.3		1875				112	
TOTAL MONTHLY PRECIPITATION PRÉCIPITATION TOTALE MENSUELLE		139.2		54.2		80.1	255.8		1901	3.3		1961	112	
NO. OF DAYS WITH MEASURABLE PRECIPITATION NOMBRE DE JOURS AVEC PRÉCIPITATION MESURABLE		13		13		11	20		1901	3		1961	100	
GREATEST RAINFALL IN ONE DAY HAUTEUR DE PLUIE MAXIMALE EN UNE JOURNÉE		*44.5	22	34.9*	6		152.4	26	1901				112	
GREATEST SNOWFALL IN ONE DAY HAUTEUR DE NEIGE MAXIMALE EN UNE JOURNÉE		0.0		0.0			1.3	1	1875				112	
GREATEST PRECIPITATION IN ONE DAY PRÉCIPITATION MAXIMALE EN UNE JOURNÉE		*44.5	22	34.9*	6		152.4	26	1901				112	
MAXIMUM RAINFALL RECORDED IN: HAUTEUR DE PLUIE MAXIMALE ENREGISTRÉE EN:														
5 MINUTES		13.2	20	2.5	6		13.2	20	1983				27	
10 MINUTES		17.2	20	4.2	6		17.8	30	1952				27	
15 MINUTES		19.3	20	5.5	6		22.4	30	1952				27	
30 MINUTES		23.2	20	8.4	6		28.4	30	1952				27	
60 MINUTES		28.0	22	12.2	6		35.6	18	1964				27	
24 CONSECUTIVE HOURS HEURES CONSECUTIVES		52.3	21-22	36.1	6-7		152.4	26	1901				112	
MEAN WIND SPEED (km/h) VITESSE MOYENNE DU VENT (km/h)		16.0		17.5		18.1	23.0		1965	13.4		1928	63	
MAXIMUM SPEED (1 min.) (km/h) VITESSE MAXIMALE (1 min.) (km/h)		SSE43	11	S59	5	57	S90	7	1954				45	
MAXIMUM GUST SPEED (km/h) POINTE DU VENT MAXIMALE (km/h)		W69	20	S83	5	86	WNW127	29	1967				40	
TOTAL HOURS OF SUNSHINE TOTAL DES HEURES INSOLATION		272.9		304.3		276.1	376.0		1974	172.8		1925	84	
MEAN STATION PRESSURE (kPa) PRESSION MOYENNE À LA STATION (kPa)		98.21		98.51		98.31	98.60		1964	97.86		1973	37	
GREATEST STATION PRESSURE (kPa) PRESSION MAXIMALE À LA STATION (kPa)		99.32	27	99.62	30	99.60	1003.7	14	1961				45	
LEAST STATION PRESSURE (kPa) PRESSION MINIMALE À LA STATION (kPa)		97.09	30	96.86	6	96.66		1	1967	94.86	7	1954	45	
CLIMATOLOGICAL DATA FOR THE PAST DONNÉES CLIMATOLOGIQUES POUR LES													TEN (10) DIX	YEARS DERNIÈRE ANNÉES
YEAR ANNÉE	MAXIMUM TEMP. MAXIMALE	MINIMUM TEMP. MINIMALE	MEAN 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 DEGREES JOURS DE CHAUFFE	GROWING DEGREES DAYS DEGREES JOURS DE CROISSANCE			
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	31.8	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	N52	280.1	89.1	332.6			
1979	34.0	3.8	16.2	65.1		65.1	16.7	S59	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			
1981	27.5	4.7	16.0	90.4		90.4	16.5	NW 56, NNW	273.5	65.8	329.3			
1982	27.1	-1.0	13.6	54.2		54.2	17.5	S59	304.3	135.9	257.6			
1983	32.2	0.8	17.1	139.2		139.2	16.0	SSE43	272.9	65.6	362.5			

*24 hr. rainfall 52.3mm 21-22 June