

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

HOUR STARTING	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	NW 20	NW 19	NW 30	NW 28	NW 28	NW 35	NW 26	NW 37	NW 41	NW 33	NW 33	NW 35	NW 35	NW 33	NW 35	NW 31	NW 37	NW 31	NW 28	NW 20	NW 20	NE 15	NNE 13	6	NNW 56	0722
2	C 0	N 4	NNE 2	C 0	WNW 6	WNW 6	C 0	C 0	E 6	WNW 2	S 4	WNW 4	WNW 7	SSW 11	SSW 7	ESE 2	ENE 6	ENE 2	C 0	C 0	C 0	ENE 9	ENE 4	SE 11	WSW 56	1646
3	SSE 13	SSE 11	SSE 11	S 13	S 17	S 17	S 17	S 22	S 26	SSW 31	SSW 28	SSW 30	SSW 30	SSW 31	SSW 33	SSW 33	SSW 33	SSW 33	SSW 33	SSW 28	SSW 19	SSW 20	SSW 19	SSW 20	SSW 59	1249
4	SSW 17	SSW 22	SSW 19	SSW 22	SSW 15	SSW 17	SSW 17	SSW 20	SSW 20	SSW 19	SSW 22	SSW 30	SSW 31	SSW 31	SSW 28	SSW 26	SSW 26	SSW 31	SSW 33	SSW 26	SSW 26	SSE 20	SSE 17	S 26	S 83	1806
5	S 24	S 28	S 28	SSE 33	SSE 30	SSE 33	SSE 30	SSE 31	SSE 50	SSE 35	SSE 39	SSE 44	SSE 39	SSE 28	SSE 52	SSE 31	SSE 44	SSE 46	SSE 59	SSE 48	SSE 30	SSE 41	SSE 33	SE 46	SSE 65	1946
6	SSE 37	SSE 19	SSE 20	SSE 24	SSE 19	SSE 26	SSE 24	SSE 20	SSE 15	SSE 17	SSE 15	SSE 20	SSE 20	SSE 28	SSE 26	SSE 20	SSE 11	SSE 9	SSE 9	SSE 7	SSE 33	SSE 28	SSE 22	0	NW 72	0803
7	SE 11	WNW 4	WNW 9	WNW 26	WNW 43	WNW 50	WNW 43	WNW 43	WNW 48	WNW 43	WNW 43	WNW 43	WNW 37	WNW 35	WNW 37	WNW 31	WNW 30	WNW 30	WNW 31	WNW 30	WNW 24	WNW 11	WNW 13	WNW 11	NW 39	1612
8	WNW 9	WNW 9	WNW 6	WNW 4	WNW 6	WNW 7	WNW 6	WNW 17	WNW 17	WNW 19	WNW 11	WNW 7	WNW 13	WNW 11	WNW 11	WNW 15	WNW 20	WNW 15	WNW 17	WNW 9	WNW 6	WNW 7	WNW 6	WNW 63	2231	
9	N 9	NE 2	WNW 0	WNW 9	WNW 6	WNW 11	WNW 6	WNW 17	WNW 17	WNW 24	WNW 22	WNW 15	WNW 15	WNW 19	WNW 15	WNW 15	WNW 15	WNW 20	WNW 20	WNW 22	WNW 22	WNW 15	WNW 13	WNW 15	NNW 67	1527
10	WNW 13	WNW 13	WNW 15	WNW 9	WNW 9	WNW 9	WNW 9	WNW 11	WNW 15	WNW 15	WNW 20	WNW 26	WNW 20	WNW 26	WNW 11	WNW 17	WNW 20	WNW 15	WNW 26	WNW 30	WNW 19	WNW 22	WNW 20	NNW 61	1430	
11	NW 22	NW 13	WNW 17	WNW 11	WNW 13	WNW 19	WNW 13	WNW 17	WNW 19	WNW 26	WNW 22	WNW 30	WNW 31	WNW 28	WNW 33	WNW 28	WNW 28	WNW 26	WNW 26	WNW 30	WNW 28	WNW 11	WNW 4	WNW 0	SW 39	1552
12	C 0	WNW 4	WNW 9	WNW 13	WNW 9	WNW 11	WNW 11	WNW 11	WNW 20	WNW 19	WNW 17	WNW 30	WNW 35	WNW 30	WNW 30	WNW 37	WNW 35	WNW 35	WNW 33	WNW 20	WNW 13	WNW 11	WNW 4	WNW 2	NNE 56	1117
13	NNE 4	NNE 0	NNE 4	NNE 0	NNE 0	NNE 0	NNE 9	NNE 13	NNE 11	NNE 7	NNE 6	NNE 15	NNE 11	NNE 11	NNE 20	NNE 19	NNE 19	NNE 22	NNE 17	NNE 31	NNE 22	NNE 11	NNE 15	NNE 35	1056	
14	NNE 13	NNE 15	NNE 11	NNE 15	NNE 15	NNE 13	NNE 15	NNE 20	NNE 22	NNE 22	NNE 31	NNE 31	NNE 31	NNE 31	NNE 33	NNE 26	NNE 28	NNE 26	NNE 26	NNE 19	NNE 4	NNE 7	NNE 11	NNE 56	1117	
15	N 17	N 17	N 13	NNE 11	NNE 4	NNE 6	NNE 0	ENE 6	ENE 11	ENE 17	ENE 15	ENE 15	ENE 19	ENE 11	ENE 15	ENE 9	ENE 4	ENE 4	ENE 11	ENE 9	ENE 17	ENE 13	ENE 15	NNE 35	1056	
16	SSE 13	SSE 19	SSE 17	SSE 9	SSE 17	SSE 19	SSE 19	SSE 19	SSE 20	SSE 19	SSE 19	SSE 19	SSE 17	SSE 22	SSE 30	SSE 28	SSE 37	SSE 41	SSE 41	SSE 37	SSE 28	SSE 26	SSE 24	SSE 17	N 56	1604

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.	5.0	4.9	4.9	4.0	4.0	4.0	3.9	5.2	5.8	6.5	7.2	8.2	9.5	9.9	10.8	11.2	12.7	12.7	12.3	11.9	10.0	8.1	7.5	3.8
2.	2.1	1.2	1.4	2.6	-2.2	-5.2	2.9	7.7	10.5	11.4	12.4	13.7	14.4	15.8	16.0	15.3	16.4	16.3	16.3	15.5	14.3	10.8	9.2	8.9
3.	8.0	7.4	5.5	4.8	5.6	7.1	11.4	15.1	17.8	20.1	22.0	22.0	22.2	23.7	23.9	24.0	24.1	23.8	23.7	22.5	21.0	19.1	17.8	16.0
4.	15.0	13.6	13.0	12.6	11.5	9.8	10.9	13.8	16.0	18.3	20.9	22.6	23.8	23.7	22.5	22.0	22.5	22.6	22.9	22.4	21.2	21.1	17.8	17.9
5.	17.3	16.7	16.4	15.3	14.8	14.8	15.2	16.6	18.5	18.0	19.7	20.8	21.2	20.2	20.9	17.5	22.2	22.5	20.8	19.5	19.1	18.6	16.5	14.6
6.	14.8	14.0	13.2	14.8	13.9	14.5	14.6	15.1	15.1	16.1	15.7	13.5	13.4	13.6	13.4	13.2	13.3	13.6	13.9	14.4	14.6	13.3	12.3	11.5
7.	11.6	11.2	11.2	12.1	13.0	13.2	10.6	9.9	9.2	9.4	9.0	9.0	9.3	9.4	9.6	9.6	9.5	10.5	10.6	10.1	9.0	6.2	5.0	3.7
8.	3.3	2.3	1.8	3.3	3.2	1.3	3.8	6.9	8.4	8.0	8.7	9.1	9.5	9.5	10.1	10.4	10.1	10.4	10.1	9.8	9.5	9.0	8.2	7.9
9.	7.8	7.8	7.5	7.4	6.8	6.9	7.3	7.6	8.0	8.1	8.5	9.0	9.5	12.0	14.2	13.7	14.7	14.9	14.8	14.7	12.8	10.3	8.6	8.6
10.	7.6	6.1	5.9	5.5	5.0	5.9	6.7	9.9	12.3	15.0	16.4	17.4	18.9	20.4	21.0	22.0	22.2	22.1	23.0	21.8	19.3	18.0	17.0	15.0
11.	13.7	12.5	11.4	10.8	9.1	8.8	9.6	11.8	13.4	15.3	16.0	16.4	15.7	16.5	17.0	17.5	16.5	16.0	16.1	15.4	14.1	12.1	9.2	7.7
12.	6.5	5.5	6.1	5.7	6.3	7.1	8.0	8.9	12.1	15.1	16.6	19.0	21.0	22.0	23.1	22.0	23.1	23.0	22.5	22.5	19.9	18.1	13.7	12.5
13.	10.5	10.6	10.3	10.0	8.5	8.1	11.6	14.8	16.4	18.1	20.0	20.7	21.1	20.0	20.4	20.2	22.1	23.2	21.4	17.8	16.3	14.8	13.4	12.1
14.	11.9	12.1	10.6	8.5	8.3	9.1	10.9	13.1	14.8	16.2	18.0	18.5	19.4	20.6	20.3	20.0	20.0	19.4	18.9	17.9	16.8	13.0	10.1	8.6
15.	9.7	9.0	7.1	6.2	5.7	4.4	6.6	10.4	11.6	13.2	14.8	16.0	16.5	18.1	18.0	18.8	19.7	19.7	20.0	18.5	16.4	14.9	13.0	11.9
16.	11.5	12.7	12.5	12.0	11.7	10.7	11.5	12.0	13.3	15.5	18.2	20.7	22.2	22.0	23.4	22.4	20.4	19.0	18.0	16.9	16.0	13.9	12.6	10.1
17.	10.0	7.5	4.8	4.9	4.2	4.9	7.0	9.3	11.0	13.3	11.3	11.0	11.5	13.0	13.3	14.6	15.0	14.5	15.3	14.0	12.8	9.1	9.5	9.9
18.	9.9	9.6	9.4	9.9	9.0	8.9	9.8	11.0	13.5	13.2	14.0	15.2	15.1	15.6	14.0	17.3	16.9	17.1	17.3	16.1	15.4	10.7	11.1	10.8
19.	10.0	9.9	8.8	9.5	9.5	9.0	9.5	10.0	10.1	10.3	10.6	11.0	11.2	11.0	11.0	10.8	11.7	13.3	13.5	14.1	12.6	10.0	9.5	9.5
20.	10.6	10.3	10.5	10.2	9.3	9.6	10.7	12.9	14.8	16.1	17.4	18.8	18.4	19.7	21.1	19.6	19.9	20.8	20.1	17.1	16.1	11.6	10.0	9.4
21.	9.1	9.2	7.9	6.7	7.3	7.4	7.6	10.7	13.9	15.5	18.3	17.0	18.3	18.8	18.2	19.5	19.0	18.9	18.5	18.0	16.4	13.9	10.5	8.6
22.	7.4	6.4	6.0	6.5	6.1	9.0	9.6	11.2	13.3	13.1	17.9	19.7	20.5	21.2	21.2	21.4	20.4	20.0	19.0	17.5	17.2	17.0	16.4	15.2
23.	14.7	14.0	13.7	13.6	13.7	13.4	14.7	16.5	18.8	20.2	21.0	23.2	23.8	25.6	25.9	25.7	24.9	25.4	25.1	24.7	24.0	23.0	19.2	18.1
24.	17.0	16.0	14.0	12.8	12.3	12.0	11.3	11.0	12.3	12.3	11.8	12.7	14.2	16.7	18.4	18.2	18.5	18.2	17.5	16.1	14.2	12.4	8.7	7.3
25.	6.2	5.6	4.5	5.0	4.2	6.0	7.8	11.5	14.3	15.5	17.0	18.2	19.7	20.5	21.8	21.8	21.8	21.8	20.8	20.0	19.3	16.5	16.8	16.4
26.	15.7	14.4	13.2	13.0	11.4	10.8	11.7	13.6	17.2	18.6	21.5	22.5	24.2	24.2	22.7	21.0	21.0	24.0	24.3	23.4	21.0	18.8	16.5	15.6
27.	15.0	14.0	11.7	11.8	10.8	9.2	10.8	14.8	18.0	20.2	22.5	22.6	23.5	23.0	22.8	21.7	23.3	22.5	22.0	20.2	17.5	16.3	14.0	12.5
28.	13.4	14.6	14.2	13.7	13.3	11.9	12.2	13.5	15.7	16.6	17.2	18.0	18.2	19.0	19.0	20.6	19.8	19.8	19.5	18.5	16.4	13.2	11.4	9.7
29.	7.7	8.0	6.9	5.9	6.0	5.7	7.6	10.4	13.3	14.7	15.3	16.4	17.5	18.2	18.3	20.4	19.5	19.3	19.3	18.7	17.0	12.2	10.0	9.4
30.	8.0	7.0	6.1	4.9	5.1	4.6	7.5	12.0	16.8	18.2	20.0	21.2	21.7	22.2	22.6	23.3	23.3	23.4	22.0	21.6	19.9	15.0	15.9	13.8

MEAN	10.4	9.8	9.0	8.8	8.3	8.2	9.3	11.5	13.4	14.7	15.9	16.8	17.6	18.2	18.5	18.5	18.9	19.0	18.7	17.7	16.3	14.0	12.4	11.2
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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	7.7	9.8	16.3	18.3	18.2	14.0	9.7	7.3	10.1	14.8	13.4	15.0	15.9	14.9	13.3	15.8

MEAN DAILY TEMPERATURES BASED ON HOURLY READINGS

DATE	17	18	19	20	21	22	23	24	25	26	27	28	29	30
MEAN	10.6	13.0	10.7	14.8	13.7	14.8	20.1	14.0	14.7	18.3	17.5	15.8	13.2	15.7

COMPARATIVE RECORDS  
RELEVÉS COMPARATIFS

MONTH  
MOIS

JUNE/JUIN

1982

Temperature/Température Precipitation/Précipitation Rainfall/Hauteur de pluie Snowfall/Hauteur de neige Wind speed/Vitesse du vent Station pressure/Pression à la station	Celsius		Millimètres (mm)		Centimètres (cm)		Kilomètres par heure (km/h)		Kilopascals (kPa)		RECORD FOR THE MONTH RECORD POUR LE MOIS						YEARS OF RECORD ANNÉES D'OBSERVATIONS
	THIS MONTH CE MOIS-CI		PREVIOUS YEAR ANNÉE PRÉCÉDENTE		NORMAL NORMALE	HIGHEST MAXIMUM ABSOLU			LOWEST MINIMUM ABSOLU								
	VALUE RELEVÉ	DATE	VALUE RELEVÉ	DATE		VALUE RELEVÉ	DAY JOUR	YEAR ANNÉE	VALUE RELEVÉ	DAY JOUR	YEAR ANNÉE						
HIGHEST TEMPERATURE TEMPÉRATURE LA PLUS ÉLEVÉE	27.1	23	27.5	3	31.7	38.3	23	1900	26.1	24	19	1957	111				
LOWEST TEMPERATURE TEMPÉRATURE LA PLUS BASSE	-1.0	2	4.7	16	1.5	6.7	9,11 12	1873	6.1	1	1	1902 1888	111				
MEAN MONTHLY TEMPERATURE TEMPÉRATURE MENSUELLE MOYENNE	13.6		16.0		*16.8	20.3		1910	12.3			1969	111				
TOTAL MONTHLY RAINFALL HAUTEUR TOTALE MENSUELLE DE PLUIE	54.2		90.4		*80.1	255.8		1901	3.3			1961	111				
TOTAL MONTHLY SNOWFALL HAUTEUR TOTALE MENSUELLE DE NEIGE	0.0				* Tr.	1.3		1875									
TOTAL MONTHLY PRECIPITATION PRÉCIPITATION TOTALE MENSUELLE	54.2		90.4		*80.1	255.8		1901	3.3			1961	111				
NO OF DAYS WITH MEASURABLE PRECIPITATION NOMBRE DE JOURS AVEC PRÉCIPITATION MESURABLE	13		16		* 11	20		1901	3			1961	99				
GREATEST RAINFALL IN ONE DAY HAUTEUR DE PLUIE MAXIMALE EN UNE JOURNÉE	34.9*	6	11.6	15*		152.4	26	1901					111				
GREATEST SNOWFALL IN ONE DAY HAUTEUR DE NEIGE MAXIMALE EN UNE JOURNÉE	0.0					1.3	1	1875					111				
GREATEST PRECIPITATION IN ONE DAY PRÉCIPITATION MAXIMALE EN UNE JOURNÉE	34.9*	6	11.6	15		152.4	26	1901					111				
MAXIMUM RAINFALL RECORDED IN: HAUTEUR DE PLUIE MAXIMALE ENREGISTRÉE EN:																	
5 MINUTES	2.5	6	3.5	30		9.1	30	1952					26				
10 MINUTES	4.2	6	5.9	30		17.8	30	1952					26				
15 MINUTES	5.5	6	6.4	30		22.4	30	1952					26				
30 MINUTES	8.4	6	6.4	30		28.4	30	1952					26				
60 MINUTES	12.2	6	7.5	30		35.6	18	1964					26				
24 CONSECUTIVE HOURS HEURES CONSECUTIVES	36.1	6-7	13.2	14-15		152.4	26	1901					111				
MEAN WIND SPEED (km/h) VITESSE MOYENNE DU VENT (km/h)	17.5		16.5		*18.1	23.0		1965	13.4			1928	62				
MAXIMUM SPEED (1 min.) (km/h) VITESSE MAXIMALE (1 min.) (km/h)	S59	5	NW56	18	57	S90	7	1954					44				
MAXIMUM GUST SPEED (km/h) POINTE DU VENT MAXIMALE (km/h)	S83	5	NNW W 100	17	86	WNW127	29	1967					39				
TOTAL HOURS OF SUNSHINE TOTAL DES HEURES INSOLATION	304.3		273.5		*276.1	376.0		1974	172.8			1925	83				
MEAN STATION PRESSURE (kPa) PRESSION MOYENNE À LA STATION (kPa)	98.51		97.90		98.31	98.60		1964	97.86			1973	36				
GREATEST STATION PRESSURE (kPa) PRESSION MAXIMALE À LA STATION (kPa)	99.62	30	99.30	26	99.60	1003.7	14	1961					44				
LEAST STATION PRESSURE (kPa) PRESSION MINIMALE À LA STATION (kPa)	96.86	6	96.00	17	96.65				94.86	7		1954	44				
CLIMATOLOGICAL DATA FOR THE PAST DONNÉES CLIMATOLOGIQUES POUR LES														YEARS DERNIÈRE ANNÉES			
Ten (10) Dix																	
YEAR ANNÉE	MAXIMUM TEMP MAXIMALE	MINIMUM TEMP MINIMALE	MEAN TEMP MOYENNE	RAINFALL HAUTEUR DE PLUIE	SNOWFALL HAUTEUR DE NEIGE	TOTAL PRECIP. PRÉCIP. TOTALE	MEAN WINDSPEED VITESSE MOYENNE DES VENTS	MAXIMUM WINDSPEED VITESSE MAXIMALE DES VENTS	HOURS SUNSHINE HEURES INSOLATION	HEATING DEGREE DAYS DEGRÉS JOURS DE CHAUFFE	GROWING DEGREE DAYS DEGRÉS JOURS DE CROISSANCE						
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						
1981	27.5	4.7	16.0	90.4		90.4	16.5	NW 56	273.5	65.8	329.3						
1982	27.1	-1.0	13.6	54.2		54.2	17.5	NNW S59	304.3	135.9	257.6						

\*36.1 mm June 6-7

\* New 30 yr. normal 1951-1980.