

ABSTRACT OF THE WIND AT WINNIPEG INTERNATIONAL AIRPORT FOR THE MONTH OF MAY

ALL TIMES ARE C.S.T.	VELOCITY IN KILOMETERS PER HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PEAK GUSTS	TIME (CST)
1	NW 13 15 9 11 15 15 11 7 6 13 11 6 20 17 19 17 20 26 20 13 19 22 30	SSW 54	23:36																							
2	S 37 44 46 37 37 37 44 37 37 35 28 17 15 15 7 0 0 0 0 0 0 0 7 26 33 33	S 70	06:57																							
3	NNE 33 30 15 15 17 19 33 39 43 37 41 35 43 39 35 33 35 26 20 13 13 17	NNE 56	09:35																							
4	N 20 13 13 19 15 17 15 22 19 24 35 30 33 35 28 22 22 30 26 20 15 22 22	NNE 52	13:18																							
5	NNE 19 13 9 7 0 7 0 4 9 11 19 28 24 30 26 24 20 17 22 19 17 11 6 9	N 41	12:06																							
6	C 0 0 0 0 0 0 0 0 2 6 2 4 4 17 15 13 9 13 13 17 17 9 7 7																									
7	E 11 7 11 11 11 9 11 13 17 20 24 17 22 28 26 19 24 13 19 24 13 11 13 17	SSW 46	14:04																							
8	S 24 28 20 19 24 22 19 19 13 30 28 31 30 37 39 50 63 56 52 56 48 41 24 19	NNE 78	16:20																							
9	NNE 17 17 17 13 11 7 9 20 24 30 24 24 22 26 13 13 15 13 19 17 4 0 0 9	N 41	08:42																							
10	S 7 15 9 17 17 9 13 13 17 9 17 19 26 20 19 22 19 19 17 13 6 4 13 22	S 41	11:32																							
11	SE 15 11 24 17 19 17 13 15 13 13 9 13 17 17 22 19 9 17 13 9 15 15 17 15	E 56	15:53																							
12	ENE 7 6 0 0 0 0 0 7 13 17 2 15 9 7 9 15 6 15 13 28 17 11 4 2	SE 43	09:20																							
13	NNE 2 0 0 0 7 9 9 9 9 6 2 4 4 9 11 4 6 13 9 0 4 6 7 6 0																									
14	S 7 4 2 4 2 0 9 6 0 0 0 9 9 6 0 7 6 0 9 15 9 5 0 2																									
15	NNE 6 17 17 31 33 37 35 35 35 39 39 39 44 39 43 43 44 44 43 37 37 39 35 33	NNE 63	18:53																							
16	ENE 31 28 28 26 24 24 24 26 30 30 33 26 30 31 30 35 33 31 28 26 22 22 19	E 52	11:49																							

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

1981

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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	1.4	-1.5	-1.5	-1.8	-1.5	-1.0	-1.6	2.2	5.0	7.1	9.9	10.9	11.9	13.5	13.9	14.5	15.0	15.0	15.0	14.2	13.0	12.9	13.7	13.0
2	11.5	11.8	11.8	12.7	12.4	11.1	12.0	13.7	14.8	17.0	17.0	17.0	17.0	17.7	18.6	19.9	20.0	20.3	20.9	18.5	15.1	11.3	9.3	13.0
3	6.8	6.0	6.0	4.8	4.8	4.8	4.5	5.6	7.0	9.6	10.1	11.1	12.7	13.9	13.9	14.2	15.4	13.7	13.2	10.5	8.2	5.4	2.8	1.3
4	2.0	1.2	-1.0	-1.4	-3.0	-1.0	-3.3	2.6	4.0	6.7	7.9	9.6	9.9	10.4	12.1	11.8	12.9	11.8	11.0	10.0	7.8	5.4	4.7	7.2
5	2.2	1.8	-3.2	-3.4	-3.0	-3.0	-2.7	2.0	5.3	8.5	10.0	11.2	12.5	12.3	13.9	14.1	14.5	13.8	13.1	11.3	9.1	5.4	4.3	1.6
6	9.1	1.2	1.4	-1.5	-2.5	-2.8	-2.6	3.4	9.3	11.4	12.3	12.6	13.8	15.5	16.2	16.8	17.1	16.9	16.7	15.1	12.2	10.2	7.1	6.0
7	6.1	7.0	6.0	5.2	4.2	2.1	3.9	6.7	10.7	14.5	16.8	17.9	19.2	19.6	20.0	19.9	18.9	18.9	17.7	14.9	12.6	11.9	11.9	12.9
8	12.2	10.9	9.4	8.3	8.4	7.8	7.0	8.3	11.4	13.8	14.0	13.7	13.8	10.5	6.9	6.2	5.7	5.1	4.2	1.9	1.1	-1.8	-4.6	12.9
9	-6.1	-3.2	-5.4	-6.6	-7.3	-8.2	-6.4	-2.8	-1.0	1.4	2.9	2.6	4.0	5.6	6.4	7.0	7.4	7.0	6.8	6.0	2.4	1.8	1.2	-3.3
10	6.0	-1.0	-1.4	-1.5	-1.6	-4.1	-2.6	1.6	6.0	8.1	9.6	10.7	10.8	10.3	10.8	11.4	11.0	11.4	11.5	10.7	9.7	7.7	7.7	8.0
11	6.5	8.4	8.4	8.5	7.4	6.9	7.1	7.7	8.9	10.4	10.6	12.1	13.0	13.8	14.3	16.3	16.6	16.2	16.0	14.7	11.5	9.6	6.7	7.5
12	5.5	1.8	4	0.0	1.5	-1.1	2.1	9.0	12.1	15.1	16.7	17.7	18.0	18.4	19.3	19.7	20.0	20.0	18.7	17.3	14.5	8.0	7.0	7.3
13	6.4	5.7	5.1	2.6	1.9	-1.1	2.7	9.7	14.4	17.6	18.7	19.4	19.8	20.8	21.7	22.0	22.0	19.4	20.2	19.3	15.8	11.7	10.0	7.9
14	5.3	5.0	4.8	4.5	4.1	3.8	6.1	8.4	13.6	17.3	20.0	21.4	21.6	22.1	22.2	21.6	22.2	22.2	20.8	19.6	17.2	14.0	13.5	13.9
15	13.4	11.5	12.2	10.4	9.0	7.8	6.3	5.7	6.0	6.4	8.1	10.3	11.1	12.7	12.1	12.5	12.4	11.5	10.1	9.0	7.5	7.3	6.0	5.0
16	4.6	3.9	3.4	2.8	2.2	1.9	2.3	3.5	4.9	7.0	8.9	11.8	14.1	14.5	16.6	18.0	17.0	17.0	16.6	15.4	13.9	11.9	10.4	9.2
17	9.9	7.8	7.2	6.4	1.9	5.0	6.8	9.0	11.0	13.6	15.5	17.7	18.2	18.9	19.8	20.1	20.4	20.5	20.1	18.6	15.5	15.0	13.4	10.7
18	3.3	7.8	6.5	6.6	6.3	6.1	7.3	10.3	13.5	17.1	19.5	21.0	21.6	22.2	23.4	24.4	22.8	23.8	23.5	21.9	18.6	14.5	16.1	15.7
19	12.7	14.6	11.9	11.4	9.4	8.6	10.9	12.4	15.7	19.0	22.9	24.0	24.6	25.7	26.4	27.1	27.2	26.5	26.0	24.9	22.4	20.0	19.4	17.1
20	15.3	14.8	12.0	10.8	7.9	6.9	8.0	12.1	17.5	21.3	23.6	24.7	25.6	27.5	27.7	28.8	28.1	28.0	27.4	26.4	25.1	22.0	20.4	19.2
21	17.1	16.5	14.6	14.0	12.7	11.9	13.2	16.2	18.4	20.2	21.6	24.0	24.0	27.0	28.3	28.1	29.2	29.0	28.6	27.9	25.9	24.2	22.8	22.3
22	21.8	20.1	19.0	18.6	16.0	16.9	15.2	15.0	15.0	16.4	17.1	18.3	20.7	22.2	22.9	21.1	19.3	18.5	15.7	11.4	10.5	9.6	8.6	7.9
23	7.6	7.3	6.9	6.8	6.8	6.8	7.0	7.4	7.9	8.2	7.6	7.9	7.8	8.2	7.9	8.1	8.3	8.1	7.7	8.3	8.0	8.0	8.4	8.1
24	9.0	9.0	9.0	8.9	8.9	8.7	8.8	8.7	9.1	9.7	9.4	9.9	9.9	9.5	9.7	9.3	9.2	9.5	9.2	8.8	8.6	8.7	8.7	8.9
25	6.8	8.8	8.7	8.7	8.7	9.0	9.1	9.5	10.1	10.4	10.9	11.5	11.8	12.0	13.0	13.7	13.4	13.2	13.0	11.9	11.2	11.2	10.9	10.7
26	15.7	11.1	11.1	8.8	9.9	5.0	7.0	10.4	12.0	14.1	15.7	17.0	18.0	19.4	20.1	20.3	20.8	21.0	20.4	19.5	17.5	15.3	13.8	13.3
27	13.2	11.3	12.0	10.0	8.5	8.2	10.5	13.0	14.9	17.0	16.9	17.2	17.8	18.1	18.4	18.9	18.8	18.6	18.7	17.6	16.9	15.3	15.0	13.9
28	13.3	13.2	12.0	11.4	10.7	11.3	12.0	13.0	14.0	16.4	17.5	18.8	19.4	20.4	21.8	21.7	22.2	21.7	21.2	19.7	18.7	15.7	15.7	14.9
29	15.7	15.7	15.8	15.5	15.9	13.4	13.2	13.6	12.9	11.6	14.0	15.5	17.4	15.4	13.0	13.8	12.0	12.8	12.9	11.1	9.1	7.1	6.1	7.9
30	15.1	15.0	2.8	2.2	0.0	1.5	3.1	6.7	9.0	11.3	13.0	15.6	14.2	14.9	16.5	16.2	16.4	17.7	17.5	17.1	15.8	11.8	9.9	11.1
31	11.6	11.2	9.9	7.5	6.9	8.5	10.1	12.9	14.8	15.9	17.3	17.7	18.8	19.6	20.3	20.3	21.0	19.9	18.6	16.9	15.1	14.2	14.0	13.7
YEAR	8.3	7.8	6.9	6.2	5.3	5.0	5.9	8.3	10.5	12.5	14.0	15.0	15.9	16.5	17.0	17.3	17.3	17.1	16.6	15.3	13.3	11.2	10.3	9.4

COMPARATIVE RECORDS RELEVÉS COMPARATIFS		MONTH MOIS MAY / MAI										1981				
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 per 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'OBSERVATIONS			
		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		29.9	21	37.0	22	29.4	37.8	30	1934	21.7	27,28	1974	110			
LOWEST TEMPERATURE TEMPÉRATURE LA PLUS BASSE		-8.5	9	-4.7	8	-4.9	0.6	30	1922	-11.7	2	1907	110			
MEAN MONTHLY TEMPERATURE TEMPÉRATURE MENSUELLE MOYENNE		10.9		15.7		10.6	17.8		1977	4.4		1907	110			
TOTAL MONTHLY RAINFALL HAUTEUR TOTALE MENSUELLE DE PLUIE		47.6		7.0		54.6	177.7		1977	0.8		1917	110			
TOTAL MONTHLY SNOWFALL HAUTEUR TOTALE MENSUELLE DE NEIGE		Tr.		0.8		2.5	32.5		1931	Nil		(Sev)	110			
TOTAL MONTHLY PRECIPITATION PRÉCIPITATION TOTALE MENSUELLE		47.6		7.8		57.2	177.7		1977	0.8		1917	110			
NO OF DAYS WITH MEASURABLE PRECIPITATION NOMBRE DE JOURS AVEC PRÉCIPITATION MESURABLE		6		6		9	17		1974 1950 1979	1		1917	98			
GREATEST RAINFALL IN ONE DAY HAUTEUR DE PLUIE MAXIMALE EN UNE JOURNÉE		25.8	22	3.0	28		67.6	11	1911				110			
GREATEST SNOWFALL IN ONE DAY HAUTEUR DE NEIGE MAXIMALE EN UNE JOURNÉE		Tr.	8	0.8	6		21.1	1	1967				110			
GREATEST PRECIPITATION IN ONE DAY PRÉCIPITATION MAXIMALE EN UNE JOURNÉE		25.8	22	3.0	28		71.1	11	1911				110			
MAXIMUM RAINFALL RECORDED IN: HAUTEUR DE PLUIE MAXIMALE ENREGISTRÉE EN:																
5 MINUTES		2.4	23	0.7	28		10.0	25	1978				22			
10 MINUTES		3.3	23	0.7	28		20.0	25	1978				22			
15 MINUTES		3.7	23	0.8	26		24.0	25	1978				22			
30 MINUTES		5.3	23	1.4	26		27.4	25	1978				22			
60 MINUTES		6.5	22	1.6	26 28		31.6	25	1978				22			
24 CONSECUTIVE HOURS HEURES CONSECUTIVES		25.8	22	3.0	28		67.6	11	1911				110			
MEAN WIND SPEED (km/h) VITESSE MOYENNE DU VENT (km/h)		18.7		17.2		21.1	26.1		1959	14.6		1972	61			
MAXIMUM SPEED (1 min.) (km/h) VITESSE MAXIMALE (1 min.) (km/h)		NNE63	8	N 65	5	59	NW 80	10	1959			1976	43			
MAXIMUM GUST SPEED (km/h) POINTE DU VENT MAXIMALE (km/h)		NNE78	8	NNW98	5	85	NW109	10	1959				38			
TOTAL HOURS OF SUNSHINE TOTAL DES HEURES INSOLATION		294.4		319.8		246.4	357.4		1917	126.6		1927	82			
MEAN STATION PRESSURE (kPa) PRESSION MOYENNE À LA STATION (kPa)		98.65		98.40		98.53	98.92		1961	98.17		1965	43			
GREATEST STATION PRESSURE (kPa) PRESSION MAXIMALE À LA STATION (kPa)		100.06	9	99.40	7	99.98	100.54	7	1951				43			
LEAST STATION PRESSURE (kPa) PRESSION MINIMALE À LA STATION (kPa)		96.76	2	97.44	29	96.64				95.49	5	1950	43			
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 DEGREE DAYS DEGRES-JOURS DE CHAUFFE	GROWING DEGREE DAYS DEGRES-JOURS DE CROISSANCE					
1972	33.3	-3.9	14.6	25.9	3.0	29.0	14.6	SSW43	288.0	132.2	303.3					
1973	27.2	-7.8	10.6	103.1	Tr.	103.1	18.5	N 53	293.4	227.8	179.4					
1974	21.7	-2.2	8.6	155.2	0.8	156.0	17.2	SE 47	202.0	288.3	121.1					
1975	26.7	-0.6	12.2	45.2	2.8	47.5	17.1	S 47	283.8	180.4	225.4					
1976	29.5	-8.2	11.8	10.4	Tr.	10.4	14.6	N 44	356.9	198.4	227.0					
1977	32.6	-1.8	17.8	177.7	Tr.	177.7	21.2	NW 56	286.8	63.7	396.8					
1978	28.9	-1.1	14.5	122.6	Nil	122.6	20.6	N 56	316.9	127.6	294.2					
1979	27.2	-2.9	7.3	82.6	8.3	93.1	19.8	SW 70	201.8	330.3	107.1					
1980	37.0	-4.7	15.7	7.0	0.8	7.8	17.2	N 65	319.8	140.6	336.5					
1981	29.9	-8.5	10.9	47.6	Tr.	47.6	18.7	NNE63	294.4	224.0	189.2					

Correction on Annual: Snowfall October 28 NIL  
(1980) Snowfall November 28 3.0