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# MONTHLY METEOROLOGICAL SUMMARY SOMMAIRE MÉTÉOROLOGIQUE MENSUEL

MONTH/MOIS MAY / MAI

19 77

AT/À WINNIPEG INT'L AIRPORT / A L'AEROPORT INTERN. DE WINNIPEG, MANITOBA

LAT: 49° 54' N		LONG: 97° 14' W		ELEVATION: 786		FEET (ASL) / PIEDS (MER)		STANDARD TIME USED: CENTRAL		HEURE NORMALE UTILISÉE:							
DATE	TEMPERATURE / TEMPÉRATURE			DEGREE-DAYS / DEGRÉS-JOURS		REL. HUMIDITY / HUMIDITÉ REL.		THUNDERSTORM / ORAGE	PRECIPITATION / PRÉCIPITATIONS			SNOW ON GROUND / NEIGE AU SOL	WIND / VENT			BRIGHT SUNSHINE / INSOLATION EFFECTIVE	
	MAXIMUM / MAXIMALE	MINIMUM / MINIMALE	MEAN / MOYENNE	HEATING / DE CHAUFFE	GROWING / DE CROISSANCE	MAXIMUM / MAXIMALE	MINIMUM / MINIMALE		RAINFALL / PLUIE (HAUTEUR)	SNOWFALL / NEIGE (HAUTEUR)	TOTAL PRECIP. / TOTAL PRECIP. TOTALE		AVERAGE SPEED / VITESSE MOYENNE	PREVAILING DIRECTION / DIRECTION DOMINANTE	MAXIMUM SPEED AND DIRECTION / VITESSE MAXIMALE ET DIRECTION		
	°C	°C	°C	BASE 18.0°C	BASE 5.0°C	%	%		mm	cm	mm		km/h		km/h		HOURS / HEURES
1	13.3	-0.6	6.4	11.6	1.4	91	19				0	30.6	NW	NW 56	14.1		
2	20.7	-1.2	9.8	8.2	4.8	55	16				0	14.6	SE	SE 28	11.3		
3	26.3	7.2	16.8	1.2	11.8	84	26				0	31.6	SE	S 46	3.9		
4	20.8	12.6	16.7	1.3	11.7	98	29	1	50.8		0	26.7	SSE	S 41	0.0		
5	15.0	1.6	8.3	9.7	3.3	97	78		14.8		0	29.5	W	N 48	0.0		
6	10.2	0.4	5.3	12.7	0.3	97	39		0.4	Tr.	0	24.2	NNE	NNE 35*	11.8		
7	19.0	-1.8	8.6	9.4	3.6	91	24				0	12.1	S, SW, W	SW 22*	14.0		
8	25.9	6.5	16.2	1.8	11.2	72	24				0	17.0	SE	SE 33	12.8		
9	27.3	11.5	19.4	0.0	14.4	49	33		Tr.		0	28.8	SSE	S 41*	7.3		
10	31.0	15.1	23.1	0.0	18.1	67	29				0	27.2	S	S 50	13.4		
11	30.0	13.7	21.9	0.0	16.9	63	27				0	25.3	S	S 37	13.8		
12	32.2	15.3	23.8	0.0	18.8	66	16				0	13.3	S	S 22	14.3		
13	32.6	14.8	23.7	0.0	18.7	64	25	1	0.4		0	16.9	SE	S 35	5.2		
14	29.7	17.6	23.7	0.0	18.7	81	41	1	9.6		0	21.1	E	ESE 44	5.8		
15	29.7	15.9	22.8	0.0	17.8	88	44	1	0.9		0	23.0	SE	SSE 33	10.3		
16	23.6	10.9	17.3	0.7	12.3	92	38				0	25.3	W	SSW 44	12.7		
17	22.0	10.3	16.2	1.8	11.2	84	55		Tr.		0	19.9	NE	NE 39*	6.7		
18	22.9	11.1	17.0	1.0	12.0	98	69	1	29.6		0	24.9	NE	NNE 48	8.6		
19	23.2	14.2	18.7	0.0	13.7	96	61		1.0		0	14.9	ESE	NE 30	7.8		
20	21.4	12.2	16.8	1.2	11.8	87	39				0	22.2	WSW	WSW 39	11.7		
21	24.8	9.1	17.0	1.0	12.0	79	28				0	10.6	WSW	WSW 20*	11.9		
22	18.2	13.5	15.9	2.1	10.9	90	62		1.6		0	21.1	ENE	ENE 44	0.3		
23	24.2	12.2	18.2	0.0	13.2	91	31		0.6		0	16.3	N	N 31*	12.3		
24	29.5	13.0	21.3	0.0	16.3	81	46				0	24.7	SE	SE 37	13.2		
25	31.7	20.2	26.0	0.0	21.0	80	38				0	30.1	SSE	SSE 43*	14.1		
26	28.8	17.8	23.3	0.0	18.3	94	43	1	37.1		0	28.7	SSE	S 48	9.0		
27	26.7	16.6	21.7	0.0	16.7	92	56		0.2		0	26.1	S	S 44	8.5		
28	23.9	15.9	19.9	0.0	14.9	90	58	1	21.0		0	16.0	SSE	SSE 30	6.5		
29	23.9	13.0	18.5	0.0	13.5	94	59	1	4.7		0	13.1	WNW	SSE 24*	7.8		
30	23.0	13.8	18.4	0.0	13.4	96	53		0.8		0	8.8	NE	N 22	7.7		
31	25.0	13.2	19.1	0.0	14.1	90	25		Tr.		0	12.6	NW	NW 35	10.0		
MEAN / MOYENNE	24.4	11.1	17.8	TOTAL / TOTAL	63.7 / 396.8	84	40	TOTAL / TOTAL	8 / 177.7	TOTAL / TOTAL	177.7		21.2	PREVAILING / DOMINANT	MAXIMUM / MAXIMUM	TOTAL / TOTAL	286.8
NORMAL / NORMALE	17.1	4.1	10.6	233.3	181.2			2.0	54.6	2.5	57.2		21.1	NNE			246.4

  

DEGREE-DAY SUMMARY - SOMMAIRE DE DEGRÉS-JOURS								DAYS WITH TOTAL PRECIPITATION: JOURS AVEC PRÉCIPITATIONS TOTALES:					DAYS WITH SNOWFALL: JOURS AVEC CHÛTE DE NEIGE:				
BELOW 18°C / AU-DESSOUS DE 18°C	THIS YEAR / ANNÉE EN COURS	PREVIOUS YEAR / ANNÉE PRÉCÉDENTE	NORMAL / NORMALE	ABOVE 5°C / AU-DESSUS DE 5°C	THIS YEAR / ANNÉE EN COURS	PREVIOUS YEAR / ANNÉE PRÉCÉDENTE	NORMAL / NORMALE	mm					cm				
								0.2 OR MORE / OU PLUS	1.0 OR MORE / OU PLUS	2.0 OR MORE / OU PLUS	10.0 OR MORE / OU PLUS	50.0 OR MORE / OU PLUS	0.2 OR MORE / OU PLUS	1.0 OR MORE / OU PLUS	2.0 OR MORE / OU PLUS	10.0 OR MORE / OU PLUS	50.0 OR MORE / OU PLUS
TOTAL FOR MONTH / TOTAL DU MOIS	63.7	198.4	233.3	TOTAL FOR MONTH / TOTAL DU MOIS	396.8	227.0	181.2	16	10	8	5	1	0	0	0	0	0
ACCUMULATED SINCE JULY 1 / ACCUMULÉE DEPUIS LE 1 <sup>ER</sup> JUILLET	5591.0	5640.5	5790.6	ACCUMULATED SINCE APRIL 1 / ACCUMULÉE DEPUIS LE 1 <sup>ER</sup> AVRIL	519.5	280.0	241.3	16	10	8	5	1	0	0	0	0	0

UDC 551.506.1 (

\*) Indicates more than one occurrence of same speed, but not necessarily the same direction.  
 Hail May 18, unofficial hail, May 15, 26  
 \*\*) Prevailing direction by miles S.

COMPARATIVE RECORDS RELEVÉS COMPARATIFS		MONTH MOIS		MAY / MAI		1977							
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) - Millimètres (mm) - Centimètres (cm) - Kilomètres/par heure (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		VALUE RELEVÉ	DAY JOUR	YEAR ANNÉE	VALUE RELEVÉ	DAY JOUR		YEAR ANNÉE
HIGHEST TEMPERATURE TEMPÉRATURE LA PLUS ÉLEVÉE		32.6	13	29.5	30	30.0	37.8	30	1934	21.7	27,28	1974	106
LOWEST TEMPERATURE TEMPÉRATURE LA PLUS BASSE		-1.8	7	-8.2	3	-4.4	0.6	30	1922	-11.7	2	1907	106
MEAN MONTHLY TEMPERATURE TEMPÉRATURE MENSUELLE MOYENNE		17.8		11.8		10.6	17.8		1977	4.4		1907	106
TOTAL MONTHLY RAINFALL HAUTEUR TOTALE MENSUELLE DE PLUIE		177.7		10.4		54.6	177.7		1977	.8		1917	106
TOTAL MONTHLY SNOWFALL HAUTEUR TOTALE MENSUELLE DE NEIGE		Tr.		Tr.		2.5	32.5		1931	Nil	(Several)		106
TOTAL MONTHLY PRECIPITATION PRÉCIPITATION TOTALE MENSUELLE		177.7		10.4		57.2	177.7		1977 1974	.8		1917	106
NO OF DAYS WITH MEASURABLE PRECIPITATION NOMBRE DE JOURS AVEC PRÉCIPITATION MESURABLE		16		4		9	17		1950	1		1917	94
GREATEST RAINFALL IN ONE DAY HAUTEUR DE PLUIE MAXIMALE EN UNE JOURNÉE		50.8	4	5.3	14		67.6	11	1911				106
GREATEST SNOWFALL IN ONE DAY HAUTEUR DE NEIGE MAXIMALE EN UNE JOURNÉE		Tr.	6	Tr.	1,2		21.1	1	1967				106
GREATEST PRECIPITATION IN ONE DAY PRÉCIPITATION MAXIMALE EN UNE JOURNÉE		50.8	4	5.3	14		71.1	11	1911				106
MAXIMUM RAINFALL RECORDED IN: HAUTEUR DE PLUIE MAXIMALE ENREGISTRÉE EN:													
5 MINUTES		7.1	4	.8	26		9.7	23	1973				18
10 MINUTES		9.4	26	.8	14,26		18.8	23	1973				18
15 MINUTES		10.9	4	.8	14,15,26		21.6	23	1973				18
30 MINUTES		14.7	4	1.0	14,15,26		25.1	20	1974				18
60 MINUTES		21.6	4	1.8	13,14		28.7	20	1974				18
24 CONSECUTIVE HOURS HEURES CONSECUTIVES		56.6	4-5	5.3	14		67.6	11	1911				106
MEAN WIND SPEED (km/h) VITESSE MOYENNE DU VENT (km/h)		21.2		14.6		21.1	26.1		1959	14.6		1972 1976	57
MAXIMUM SPEED (1 min.) (km/h) VITESSE MAXIMALE (1 min.) (km/h)		NW 56	1	N 44	1	59	NW 80	10	1959				39
MAXIMUM GUST SPEED (km/h) POINTE DU VENT MAXIMALE (km/h)		S 104	15	S 59	18	85	NW109	10	1959				34
TOTAL HOURS OF SUNSHINE TOTAL DES HEURES INSOLATION		286.8		356.9		246.4	357.4		1917	126.6		1927	78
MEAN STATION PRESSURE (kPa) PRESSION MOYENNE À LA STATION (kPa)		98.19		98.61		98.53	98.92		1961	98.17		1965	39
GREATEST STATION PRESSURE (kPa) PRESSION MAXIMALE À LA STATION (kPa)		99.69	7	99.91	7	100.02	100.54	7	1951				39
LEAST STATION PRESSURE (kPa) PRESSION MINIMALE À LA STATION (kPa)		96.38	5	96.67	4	96.62				95.49	5	1950	39
CLIMATOLOGICAL DATA FOR THE PAST DONNÉES CLIMATOLOGIQUES POUR LES										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 DEGRÉS JOURS DE CHAUFFE	GROWING DEGREE DAYS DEGRÉS JOURS DE CROISSANCE		
1968	28.9	-8.3	9.3	89.7	8.9	99.1	20.8	N 56	224.8	266.7	151.7		
1969	32.8	-3.9	10.5	76.7	Tr.	76.7	19.0	N 45	288.4	237.8	178.3		
1970	31.1	-5.6	9.3	86.1	0.5	86.6	20.3	NW 53	205.4	268.3	148.9		
1971	27.2	-3.3	10.1	47.0	Nil	47.0	18.7	S 50	326.7	240.6	165.0		
1972	33.3	-3.9	14.6	25.9	3.0	29.0	14.6	SSW 43	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		

May's record heavy rainfall ended the driest spell Winnipeg Weather Office has ever recorded. May 1977 was not only the wettest, but also the warmest ever in Winnipeg. Temperatures averaged 17.8 degrees, which is seven degrees warmer than usual, and two degrees above the previous warmest May of 1922. Precipitation measured 177.7 mm which is 15.6 mm more than the previous wettest May of 1911. May rainfall exceeded the water content of all precipitation measured over the previous ten months.

May 13 was the warmest day with a maximum of 32.6C, but May 10 and May 25 were warmest on record for those dates. Five nights failed to cool off and gave record high minimums for May 12, 14, 15, 25 and 26.

Eight thunderstorms during May equalled the record of eight in 1969.

DAILY WEATHER SUMMARY FOR MAY 1977AT WINNIPEG, MANITOBA

1. Below normal temperatures. Mostly sunny. Moderate gusty NW winds.
2. Above normal temperatures. Mostly sunny. Light winds except gusty S wind in afternoon.
3. Warm. Mostly cloudy. Rain 2:46 a.m. to 12:10 p.m. 4:50 p.m. to 5:05 p.m. Moderate gusty S winds.
4. Severe thunder and lightning, heavy precipitation caused power outages, Numerous fires, flooded basements, Stalled cars, traffic tie-ups. Warm. Cloudy. Haze 12:49 p.m. to 1:35 p.m. Thunder 00:58 a.m. to 01:11 a.m., 4:39 p.m. to 7:20 p.m., 8:26 p.m. to 9:45 p.m., 10:08 p.m. to 10:32 p.m. Rain 3:16 a.m. to 12:23 p.m. 3:00 p.m. to 10:32 p.m. moderate winds.
5. Near normal temperatures. Cloudy. Rain or rain showers 4:38 a.m. continued. Light fog in morning. Visibility slightly restricted. Gusty north wind in evening.
6. Below normal temperatures. Partly cloudy. Rain to 2:20 a.m. Ice pellets 1:34 a.m. to 1:56 a.m. Gusty north wind near noon.
7. Below normal temperatures. Sunny. Mostly light winds.
8. Warm. Mostly sunny. Mostly light winds, but gusty SE wind late evening.
9. Warm. Partly cloudy. Rain showers 7:45 a.m. to 7:50 a.m. Moderate gusty SSE winds mostly late evening.
10. Record breaking high temperature. Sunny. Gusty south wind in early morning.
11. Very warm. Mostly sunny. Gusty south wind in afternoon.
12. Very warm. Mostly sunny. Mostly light winds.
13. Very warm. Partly cloudy. Thunder 9:40 a.m. to 10:06 a.m. Showers 9:03 a.m. to 10:31 a.m. Gusty SW wind in morning.
14. Very warm. Partly cloudy. Thunder 00:43 a.m. to 4:25 a.m., 12:04 p.m. to 6:57 p.m. 8:25 p.m. to 9:10 p.m. Showers 03:03 a.m. to 3:40 a.m., 12:04 p.m. to 8:55 p.m. Very strong gusty SE wind in afternoon.
15. Very warm. Partly cloudy. Thunder 3:26 a.m. to 5:35 a.m., 4:42 p.m. to 6:03 p.m. Showers 4:17 a.m. to 5:10 a.m., 5:05 p.m. to 5:13 p.m., 5:35 p.m. to 6:26 p.m. Blowing dust reducing visibility, 5:14 p.m. to 5:29 p.m. Almost record breaking gusty S wind to 104 KM/H in evening. Some property damage. Unofficial reports of hail.
16. Warm. Partly cloudy. Gusty SW wind in afternoon.
17. Warm. Partly cloudy. Showers 5:36 a.m. to 11:40 a.m. Gusty NE wind in afternoon and evening.
18. Warm. Partly cloudy. Thunder 00:39 a.m. to 2:45 a.m., 3:45 a.m. to 5:22 a.m., 6:21 a.m. to 7:13 a.m., 9:09 p.m. to 11:23 p.m. Hail 4:50 a.m. to 4:53 a.m. Showers 00:16 a.m. to 5:12 a.m., 9:04 p.m. continued. Visibility restricted in heavy showers and hail in the morning. Gusty NW wind in morning.
19. Warm. Partly cloudy. Showers to 4:15 a.m., 2:11 p.m. to 3:09 p.m. Mostly light winds.
20. Warm. Mostly sunny. Gusty WSW wind in the afternoon.
21. Warm. Mostly sunny. Mostly light winds.
22. Above normal temperatures. Cloudy. Rain or showers 3:15 a.m. to 8:10 p.m. Gusty NNE wind in the afternoon.
23. Warm. Mostly sunny. Rain 1:45 a.m. to 7:10 a.m. Mostly light winds.
24. Very warm. Mostly sunny. Gusty SE wind in the afternoon.
25. Very warm. Mostly sunny. Gusty S to SE winds.
26. Very warm. Sunny becoming cloudy in the afternoon. Thunder 1:12 p.m. to 4:52 p.m. Gusty S winds. Showers 1:16 p.m. to 5:10 p.m. Visibility reduced in heavy rain. Some property damage, basements flooded, yet parts of city had no rain at all. Unofficial reports of hail.
27. Very warm. Partly cloudy. Showers 2:57 p.m. to 6:31 p.m. Gusty S wind in afternoon.
28. Warm. Partly cloudy. Thunder 1:27 p.m. to 3:08 p.m. 9:53 p.m. to 10:31 p.m. Rain showers 1:06 p.m. to 3:29 p.m. 9:50 p.m. to 11:10 p.m. Man hit by lightning on golf course. Mostly light winds.
29. Above normal temperatures. Partly cloudy. Thunder 1:54 p.m. to 2:21 p.m. Showers 2:05 p.m. to 2:37 p.m. 5:45 p.m. continued. Mostly light winds.
30. Above normal temperatures. Partly cloudy. Showers to 5:15 a.m. Light winds.
31. Warm. Mostly sunny. Showers 10:40 p.m. to 11:21 p.m. Light winds except gusty N to NW winds afternoon and evening.

HOURLY TEMPERATURES AT WINNIPEG INTERNATIONAL AIRPORT FOR THE MONTH OF MAY 1977

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.	10.8	7.0	4.9	2.9	1.8	1.3	-3	3.2	5.5	6.4	7.0	7.8	8.6	10.2	10.7	11.8	12.6	12.6	12.5	11.6	9.1	5.0	5.0	5.2
2.	5.2	5.5	-4	7.0	1.6	-1.3	2	6.6	8.5	11.8	14.3	15.6	17.0	18.3	18.3	20.0	20.0	19.4	18.8	17.6	16.2	16.0	14.8	14.1
3.	12.5	12.5	12.9	11.1	7.2	7.5	8.4	9.0	9.6	11.6	11.8	12.4	12.2	16.8	22.0	25.0	25.8	22.7	23.2	22.0	20.5	19.3	18.4	16.8
4.	16.1	15.6	15.1	14.8	13.8	12.7	13.0	13.2	13.9	15.8	16.2	16.1	16.4	17.6	19.1	19.8	20.0	18.4	15.3	15.3	15.4	15.6	14.8	14.8
5.	14.1	13.9	15.0	14.7	14.5	13.8	13.5	13.5	13.5	13.7	12.5	12.0	10.7	10.5	10.9	11.8	11.5	11.7	11.2	9.8	6.5	4.5	3.4	2.0
6.	1.6	1.5	1.7	1.5	1.3	1.2	1.2	1.3	1.7	2.6	4.8	5.3	5.8	6.8	8.1	8.9	9.7	8.9	8.6	7.9	6.2	5.0	1.5	1.7
7.	1.2	1.0	-1.3	-0.8	-1.3	1.1	1.6	4.2	6.6	8.4	10.8	12.4	13.4	14.6	15.7	17.1	18.0	18.3	18.5	17.7	15.4	11.0	11.1	8.5
8.	8.8	8.4	8.8	6.5	8.5	7.8	7.4	10.6	14.3	16.1	19.7	21.3	22.0	22.5	23.9	24.7	25.2	25.3	25.0	23.0	19.8	19.4	18.3	17.0
9.	16.1	14.6	14.0	12.6	11.5	11.8	12.2	13.2	16.5	16.6	18.9	20.2	23.6	24.8	26.0	26.0	25.6	26.6	26.0	25.0	23.4	21.8	20.6	21.0
10	20.5	19.6	18.3	18.1	16.5	15.1	15.8	16.7	18.8	20.9	22.8	24.4	25.8	27.4	28.6	29.5	29.5	30.5	30.5	27.2	24.4	22.2	19.5	18.3
11	17.9	17.5	17.2	15.9	15.4	13.9	14.0	15.8	18.4	21.2	23.5	25.4	26.8	29.0	29.1	29.6	29.8	29.2	28.8	27.8	26.2	25.3	20.5	20.4
12	18.4	18.0	17.4	16.8	16.6	15.3	15.8	17.5	19.8	22.3	25.0	27.7	29.0	29.2	30.4	31.0	31.1	30.8	30.1	28.9	24.5	23.5	21.5	20.1
13	19.1	18.9	16.5	16.5	14.8	16.0	16.9	16.9	17.0	17.2	20.6	22.4	26.4	30.0	30.1	31.5	32.2	30.8	29.5	26.9	24.5	24.4	23.2	22.5
14	21.5	21.0	22.3	22.0	21.0	20.0	19.1	21.1	21.4	24.5	26.5	27.9	29.2	25.5	26.3	22.5	22.0	21.6	20.3	19.0	18.6	18.5	17.7	17.9
15	17.7	16.4	16.3	16.2	16.3	16.7	18.6	19.7	21.4	22.2	24.1	25.4	26.8	28.0	28.6	29.0	29.2	28.4	20.2	19.7	19.2	19.1	19.4	18.4
16	18.5	18.5	17.8	17.7	17.0	16.4	16.6	16.5	16.8	19.2	19.2	18.9	21.2	21.7	21.8	22.3	22.6	22.2	22.2	20.6	18.9	16.0	13.8	11.7
17	13.0	10.6	10.6	11.1	11.9	12.6	11.2	12.5	13.5	15.5	15.8	16.4	17.5	18.1	19.7	21.7	20.9	20.1	18.8	16.7	14.5	13.0	13.0	13.3
18	13.0	13.0	12.9	15.0	11.8	11.5	11.8	14.5	13.7	16.4	18.4	20.4	21.3	21.1	20.9	21.5	22.1	21.8	21.2	20.2	18.9	18.8	17.5	17.5
19	16.4	16.0	15.6	15.4	14.9	14.2	14.4	15.6	17.4	19.4	20.7	22.2	22.0	22.0	22.0	20.8	22.2	22.4	22.5	21.7	21.4	20.8	20.3	19.8
20	19.0	17.0	15.6	14.6	13.4	12.6	12.6	13.1	13.8	15.0	17.5	18.2	18.9	19.9	20.3	21.2	20.3	20.0	19.8	19.1	17.4	16.5	15.8	15.1
21	14.0	12.5	11.5	10.8	9.8	9.8	9.9	13.3	16.1	18.8	20.6	21.4	22.3	22.3	23.7	23.6	24.0	23.4	22.8	21.9	20.2	18.0	17.7	17.5
22	17.0	16.5	16.0	15.5	15.0	14.7	14.0	15.0	15.6	16.2	17.0	18.0	16.6	16.9	16.9	17.1	15.0	14.5	14.0	14.9	14.6	14.2	14.3	14.1
23	13.5	12.8	12.4	12.4	12.6	12.2	12.4	12.8	15.0	16.6	18.0	19.7	20.4	21.1	23.2	23.0	23.5	23.4	23.0	22.5	20.0	16.6	15.9	15.5
24	15.3	13.9	13.4	13.4	13.2	13.2	14.8	16.4	18.0	20.1	22.5	24.5	26.2	26.4	28.6	29.1	29.0	28.6	28.3	27.9	27.2	26.0	24.0	23.2
25	22.6	21.0	20.6	20.4	20.5	20.2	20.8	22.1	23.9	26.0	27.6	29.0	30.1	31.2	30.6	31.1	30.6	29.8	29.5	28.4	27.7	26.3	25.5	25.0
26	24.0	23.5	23.4	22.1	21.4	21.0	21.4	22.1	24.2	25.1	26.5	26.6	26.6	28.0	21.8	20.1	19.4	18.2	19.9	21.9	21.1	20.3	19.4	18.6
27	18.7	18.0	17.8	17.3	16.9	16.6	17.2	19.0	19.6	20.9	23.2	23.6	23.9	25.0	25.5	25.6	24.3	22.7	21.8	20.6	20.8	20.0	19.2	18.5
28	17.7	18.0	18.4	17.4	16.6	15.9	16.5	17.4	18.0	18.5	19.7	21.1	22.3	23.0	23.0	17.0	20.1	20.9	21.5	20.2	19.5	18.9	18.7	16.9
29	16.0	14.6	14.1	14.3	13.5	13.0	13.1	14.1	18.0	19.0	20.3	21.9	21.8	22.9	22.8	20.7	18.9	18.5	18.7	17.9	16.0	15.5	15.4	15.0
30	15.0	14.7	14.1	14.5	14.5	14.0	13.8	15.4	16.9	18.8	19.6	20.6	21.1	22.1	21.8	21.9	22.8	19.1	19.2	19.7	18.4	17.7	16.5	16.0
31	15.4	16.4	15.0	14.3	14.3	13.9	14.3	13.8	16.9	18.0	20.3	22.0	22.5	23.8	24.5	24.6	24.5	23.9	23.2	22.5	19.6	16.0	14.2	14.0

MEAN 15.2 14.7 13.8 13.4 12.8 12.4 12.6 14.1 15.0 17.2 18.0 21. 20.4 22.4 22.6 22.7 22.1 21.4 20.5 18.9 17.6 16.5 15.4

HOURLY WETBULB TEMPERATURES AT WINNIPEG INTERNATIONAL AIRPORT FOR THE MONTH OF MAY 1977

ALL TEMPERATURES IN DEGREES CELSIUS

LOCAL STANDARD TIME

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.	5.3	3.0	1.5	0.3	-1.6	-0.4	-1.6	0	1.4	1.5	1.8	2.0	2.0	3.7	3.2	3.8	4.4	4.3	4.2	3.8	2.4	2.2	2.8	5.9
2.	2	-2.5	-3.0	-2.5	-3.2	-2.9	-2.9	0	2.8	4.4	5.5	6.0	7.0	7.8	7.7	8.5	8.9	8.4	8.0	7.5	6.8	7.0	6.6	5.9
3.	5.1	5.0	3.3	0.2	6.1	6.2	6.2	6.6	7.3	7.9	8.4	9.4	10.0	12.3	14.4	15.0	15.0	16.2	15.2	15.0	14.7	14.0	13.3	12.4
4.	11.8	7.6	11.5	11.3	11.2	11.5	10.8	11.0	12.2	12.2	12.2	12.7	12.9	13.8	14.0	14.5	15.0	15.0	15.1	14.8	14.8	14.8	14.6	14.2
5.	13.6	13.5	13.2	13.0	12.7	12.6	12.7	12.8	12.9	13.1	12.0	11.4	10.1	9.8	9.8	10.4	10.0	9.8	9.4	8.4	5.6	4.1	3.1	1.9
6.	1.5	1.4	1.6	1.2	0.8	0.4	-0.3	-1.1	0.2	0.7	2.2	2.7	2.5	3.0	3.5	3.9	4.3	4.4	3.9	3.5	2.1	1.8	0.2	0.2
7.	-2	-0.9	-1.7	-1.7	-2.0	-1.2	-0.9	1.3	2.8	3.8	5.4	6.2	7.1	7.1	7.5	8.0	9.0	8.9	9.6	8.7	7.8	5.2	6.3	5.0
8.	5.3	5.0	5.2	4.0	5.2	5.5	5.3	7.3	9.1	10.2	12.2	11.4	11.4	11.8	12.9	13.3	13.5	14.0	13.5	13.0	11.7	11.1	9.5	8.1
9.	7.9	7.8	7.7	7.1	6.7	6.7	7.0	8.0	10.2	10.3	11.4	12.1	14.4	15.2	16.0	16.4	16.4	16.2	16.0	15.5	14.7	14.1	13.5	13.2
10	12.8	12.0	11.4	11.7	10.8	10.2	10.8	11.4	13.1	14.6	16.1	16.9	17.6	18.0	18.1	18.5	18.0	18.2	18.5	18.2	17.2	16.3	15.1	14.5
11	14.1	13.4	12.4	11.4	10.7	9.7	9.5	10.5	12.1	16.1	15.3	16.2	16.0	17.0	16.4	17.0	17.3	17.0	16.5	16.2	15.2	15.0	13.8	13.5
12	12.6	12.6	12.1	12.1	12.2	11.8	12.1	13.5	15.0	16.2	17.2	17.0	16.8	16.5	15.1	16.0	15.6	15.2	15.9	15.7	14.3	13.6	13.0	12.6
13	11.9	11.4	11.1	11.5	11.1	12.0	12.4	12.4	13.1	13.3	14.2	15.0	17.3	18.5	18.4	18.6	18.4	17.4	17.1	17.1	16.2	15.9	15.4	15.2
14	14.0	14.5	14.3	14.5	15.0	14.4	15.0	16.1	15.9	16.6	18.0	18.2	19.5	17.7	18.6	17.5	17.9	18.4	18.1	16.5	16.2	16.1	15.5	14.9
15	15.1	14.6	14.8	14.6	14.9	15.6	16.7	17.2	18.4	19.8	19.8	20.3	20.2	20.4	19.9	20.4	20.5	19.9	17.5	17.8	17.1	16.9	16.0	15.6
16	15.4	15.3	15.2	14.9	14.6	14.3	14.1	14.1	16.0	16.4	16.7	14.0	15.2	14.7	14.7	14.3	14.1	14.0	14.3	12.9	12.5	11.1	10.1	9.2
17	9.9	8.6	8.6	9.5	10.0	10.0	9.9	10.6	11.2	12.1	12.5	13.3	14.4	13.7	14.3	15.9	15.4	14.7	13.9	12.5	11.3	10.9	11.1	11.5
18	11.5	12.0	12.4	14.1	11.1	11.4	11.4	13.6	13.0	14.5	15.6	16.7	17.6	18.3	18.1	18.4	18.5	18.2	18.0	17.4	16.7	16.7	16.8	16.5
19	15.9	15.5	15.0	14.9	14.5	13.5	13.5	14.6	15.8	16.5	17.0	18.2	18.4	18.0	18.1	18.9	18.5	18.4	17.6	17.5	17.5	17.3	17.3	17.5
20	17.1	14.6	14.0	13.0	12.2	11.0	11.0	11.0	11.8	12.3	13.5	17.0	12.5	13.5	13.6	14.0	13.8	13.1	12.0	12.0	11.6	11.3	10.6	10.6
21	10.1	9.5	9.1	8.7	8.0	8.0	8.2	10.1	12.1	12.8	13.1	12.8	13.2	12.8	13.3	13.1	14.2	13.2	13.2	13.9	13.4	13.7	12.4	12.4
22	12.1	12.4	12.2	12.1	12.0	12.0	12.4	12.8	12.9	12.9	13.3	14.2	14.0	14.8	14.5	14.1	14.0	13.6	13.0	13.1	12.7	12.1	12.5	12.1
23	12.1	11.6	11.6	11.4	11.4	11.3	11.6	11.7	12.8	13.1	14.7	13.9	13.5	14.1	15.5	13.6	13.7	13.4	13.2	12.9	14.0	11.3	11.0	11.1
24	11.6	11.4	11.3	11.0	11.4	11.5	12.3	13.6	14.6	16.0	16.6	17.2	18.3	18.9	20.4	20.9	21.2	21.0	21.0	21.1	20.7	20.9	18.9	18.9
25	18.7	18.3	18.2	18.1	18.1	17.9	18.0	18.6	19.2	20.8	21.2	20.8	20.4	21.3	20.6	20.6	20.5	19.8	20.2	19.8	19.8	18.9	18.2	18.2
26	18.0	18.2	18.3	18.2	17.9	17.7	17.9	18.3	19.2	19.8	20.4	19.4	19.3	19.1	19.5	19.1	18.6	17.6	17.7	20.0	18.3	18.3	17.4	17.1
27	17.0	17.0	16.6	16.2	15.4	15.0	16.0	17.1	17.8	18.1	19.0	19.1	18.8	19.1	19.4	19.9	20.0	18.7	18.7	19.0	18.2	18.2	17.8	16.4
28	14.3	16.1	18.8	15.7	15.2	15.0	15.5	16.2	16.7	16.8	17.5	17.8	17.6	18.1	18.6	18.0	17.0	16.8	16.2	16.8	16.4	16.7	16.9	16.9
29	14.1	13.5	12.9	13.0	12.6	12.4	12.5	14.7	15.8	16.9	17.8	18.0	16.6	18.4	17.4	17.0	15.5	15.2	15.2	15.5	14.1	14.0	13.9	13.5
30	13.5	13.9	13.6	14.0	14.0	13.6	13.4	14.6	15.0	15.7	15.8	16.3	15.7	16.0	16.2	15.9	17.1	15.0	15.0	14.6	14.6	14.5	15.0	14.3
31	14.2	14.2	14.1	13.3	13.2	12.9	12.9	12.8	14.8	15.5	15.7	16.6	15.5	13.9	13.7	13.3	13.1	13.0	13.4	12.6	13.0	12.4	11.0	11.1
MAY	11.4	11.0	10.0	10.7	10.5	10.3	10.5	11.4	12.4	13.2	13.9	14.2	14.4	14.8	15.0	15.0	15.1	14.8	14.6	14.3	13.6	13.0	12.5	12.1

ABSTRACT OF THE WIND AT WINNIPEG INTERNATIONAL AIRPORT FOR THE MONTH OF MAY 1977

ALL TIMES ARE C.S.T. VELOCITY IN KILOMETERS PER HOUR

HOURLY 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	HOUR	
1	NW 44	NW 50	NW 56	NW 41	NW 35	NW 28	NW 28	NW 33	NW 41	NW 43	NW 46	NW 43	NW 41	NW 46	NW 46	NW 37	NW 37	NW 31	NW 17	NW 9	C 0	C 0	C 0	SSW 11	NW 70	12 CST	
2	SSW 15	NNE 7	E 9	SE 7	SE 19	ENE 4	ENE 6	ENE 4	E 9	F 17	W 4	W 4	W 9	W 24	W 20	E 15	E 22	SE 22	SSE 19	SE 19	SE 19	SE 22	SE 24	SE 28	S 46	14 CST	
3	SE 30	SE 28	SSE 31	SE 26	SE 19	SE 24	SE 28	SE 30	SE 30	SE 31	SE 31	SE 31	SE 31	SE 31	SE 31	S 37	S 41	S 37	S 46	S 37	SSE 37	SSE 44	SSE 46	S 43	S 65	18 CST	
4	S 41	S 28	SSE 26	SSE 28	SSE 31	SSE 24	SSE 28	SSE 28	SSE 28	SSE 28	SSE 26	SSE 30	SSE 31	ESE 22	ESE 24	E 26	E 26	NNE 15	N 11	NE 26	ENE 33	ENE 28	NNE 22	E 54	14 CST		
5	ENE 20	ESE 19	ESE 28	ESE 31	ESE 30	ESE 26	ESE 26	ESE 26	SSW 17	W 15	W 22	W 20	W 35	W 28	W 30	W 22	W 33	W 31	WNW 30	WNW 44	N 37	N 37	N 48	N 41	N 67	21 CST	
6	NNE 35	NNE 30	NNE 31	NNE 26	NNE 26	NNE 24	NNE 26	NNE 26	NNE 30	N 33	N 31	N 33	N 31	NNE 31	NNE 31	NNE 19	NNE 26	NNE 24	NNE 19	ENE 15	ENE 11	NE 4	NW 2	N 11	N 44	12 CST	
7	C 0	C 0	C 0	C 0	C 0	C 0	C 0	C 0	C 0	C 0	C 0	C 0	C 0	C 0	C 0	C 0	C 0	C 0	C 0	C 0	C 0	C 0	C 0	C 0	C 0	WSW 31	16 CST
8	SE 35	SE 26	SE 22	SE 15	SE 11	SE 11	SE 9	SE 9	SE 15	SE 19	SE 22	SE 24	SE 24	SE 20	SE 20	ESE 15	ESE 20	SF 19	SF 22	SE 22	SE 22	SE 26	SE 33	SE 52	01 CST		
9	SE 35	SE 26	SE 22	SE 15	SE 11	SE 11	SE 9	SE 9	SE 15	SE 19	SE 22	SE 24	SE 24	SE 20	SE 20	SSE 15	SSE 20	SSE 26	S 41	S 41	SSE 41	SSE 41	SSE 41	SSE 41	SSE 59	23 CST	
10	SSW 35	SSW 50	S 44	S 35	SSE 28	S 31	S 28	S 33	S 30	S 28	S 30	S 30	S 28	S 24	S 17	SSE 19	SSE 22	SSW 19	S 7	SSE 15	SE 7	SE 37	SE 33	SE 22	S 72	02 CST	
11	SE 19	SE 19	SE 20	SE 20	SE 22	SE 22	SE 22	SE 24	SE 24	SE 30	SE 33	SE 33	SE 35	SE 35	S 37	SSE 31	SSE 35	S 35	S 33	S 24	S 17	S 19	S 17	S 17	S 65	14 CST	
12	S 19	S 19	S 19	S 20	S 20	S 20	S 20	S 20	S 20	S 20	S 20	S 20	S 20	S 20	S 20	SSE 19	SSE 22	C 0	C 0	ENE 4	ESE 9	ESE 9	ESE 7	ESE 11	W 44	17 CST	
13	ESE 19	ESE 19	SE 19	SE 19	SE 19	SE 19	SE 19	SE 19	SE 19	SSW 19	SSW 19	SSW 19	SSW 19	SSW 19	SSW 19	SSE 19	SSE 22	SSE 20	S 20	SE 17	SSE 13	SSE 15	SSE 15	SSE 13	SW 63	11 CST	
14	S 19	S 19	S 19	S 20	S 20	S 20	S 20	S 20	S 20	S 20	S 20	S 20	S 20	S 20	S 20	SSE 19	SSE 22	W 19	WNW 19	E 4	ESE 9	ESE 9	ESE 7	ESE 11	SE 85	13 CST	
15	SE 26	SE 17	SE 17	SE 17	SE 17	SE 17	SE 17	SE 17	SE 17	SE 17	SE 17	SE 17	SE 17	SE 17	SE 17	SSE 17	SSE 20	SSW 17	S 17	SE 17	SSE 17	SSE 17	SSE 17	SSE 17	S 104	18 CST	



