



MONTHLY METEOROLOGICAL SUMMARY SOMMAIRE MÉTÉOROLOGIQUE MENSUEL

MONTH/MOIS FEBRUARY / FEVRIER

19 77

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

LAT: 49° 54' N		LONG: 97° 14' W		ELEVATION: 786 FEET (ASL) ALTITUDE: 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 HEURES			
	MAXIMUM MAXIMALE	MINIMUM MINIMALE	MEAN MOYENNE	HEATING DE CHAUFFE	GROWING DE CROISSANCE	MAXIMUM MAXIMALE	MINIMUM MINIMALE		RAINFALL PLUIE (HAUTEUR)	SNOWFALL NEIGE (HAUTEUR)	TOTAL PRECIP. PRÉCIP. TOTALE		AVERAGE SPEED VITESSE MOYENNE	PREVAILING 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				
1	-10.0	-22.4	-16.2	34.2	0.0	89	70		0.7	0.7	23	16.0	S	S	33	3.5			
2	-8.5	-11.7	-10.1	28.1	0.0	90	78		0.8	0.8	25	21.2	NW	NW	35	1.7			
3	-9.0	-14.7	-11.9	29.9	0.0	87	73		1.5	1.6	25	14.5	NE	NE	24	0.0			
4	-14.4	-25.3	-19.9	37.9	0.0	85	76		0.4	0.3	27	14.5	NW	NNE	33	2.4			
5	-16.2	-30.4	-23.3	41.3	0.0	87	73		0.2	Tr.	27	11.3	NNE	N	19	8.5			
6	-16.2	-33.7	-25.0	43.0	0.0	89	70		Tr.	Tr.	27	14.2	S	S	33	1.5			
7	-5.8	-16.4	-11.1	29.1	0.0	91	79		Tr.	Tr.	27	21.5	S	S	31*	0.0			
8	3.8	-13.1	-4.7	22.7	0.0	92	61		Tr.	Tr.	27	11.3	W	W	20	4.6			
9	0.2	-10.9	-5.4	23.4	0.0	94	73				27	9.5	S	S	17*	7.5			
10	-1.5	-8.8	-5.2	23.2	0.0	94	88		0.8	0.5	25	15.7	WNW	NW	31	0.2			
11	2.2	-3.1	-0.5	18.5	0.0	96	77	Tr.	Tr.	Tr.	26	15.3	S	SSE	28*	5.0			
12	-0.3	-5.1	-2.7	20.7	0.0	99	75	Tr.	0.4	0.4	25	27.2	NNW	NNW	41	0.0			
13	-4.9	-19.2	-12.1	30.1	0.0	86	72		0.2	Tr.	25	21.7	N	N	35	4.5			
14	-14.6	-24.6	-19.6	37.6	0.0	87	70				25	15.0	NNW	NNW	22*	9.4			
15	-13.3	-27.9	-20.6	38.6	0.0	86	67				25	14.7	S	S	35	8.3			
16	2.3	-13.9	-5.8	23.8	0.0	86	61		2.0	2.0	27	22.7	S	S	43	8.4			
17	-6.6	-15.4	-11.0	29.0	0.0	89	77		Tr.	Tr.	27	12.8	NW	WNW	26	5.3			
18	-9.4	-21.3	-15.4	33.4	0.0	91	71		1.0	0.8	28	13.1	NNW	NNE	22	9.7			
19	-7.1	-19.4	-13.3	31.3	0.0	86	72		Tr.	Tr.	28	9.4	NW	WNW	20*	5.9			
20	-8.2	-24.4	-16.3	34.3	0.0	89	74		Tr.	Tr.	28	10.8	Cal	S	37	4.2			
21	-4.2	-10.9	-7.6	25.6	0.0	92	82		Tr.	Tr.	28	20.5	S	S	35*	5.1			
22	-3.6	-7.9	-5.8	23.8	0.0	82	63				28	18.7	E	E	28	0.0			
23	-5.8	-9.1	-7.5	25.5	0.0	76	59				28	19.2	E	N	26*	1.4			
24	-4.1	-8.4	-6.3	24.3	0.0	93	80		11.5	11.5	28	39.0	N	N	56	0.0			
25	-6.2	-9.2	-7.7	25.7	0.0	92	73		4.0	2.3	43	31.8	NNW	N	46	0.0			
26	-6.0	-15.9	-11.0	29.0	0.0	90	76		Tr.	Tr.	44	9.0	NW	NNW	22	8.2			
27	-9.8	-20.6	-15.2	33.2	0.0	86	76		Tr.	Tr.	44	5.8	WNW	WNW	11*	8.1			
28	-7.0	-23.0	-15.0	33.0	0.0	85	68				44	12.5	W	W	19*	9.3			
29																			
30																			
31																			
MEAN MOYENNE	-6.6	-16.7	-11.7	830.2	Nil	89	73	TOTAL 0.0	Tr.	23.5	TOTAL 20.9		16.7	PREVAILING DOMINANTE South	MAXIMUM N 56	TOTAL 122.7			
NORMAL NORMALE	-10.4	-21.1	-15.7	951.1	Nil			0.0	0.8	19.8	19.1		18.8	South		139.4			
DEGREE-DAY SUMMARY - SOMMAIRE DE DEGRÉS-JOURS										DAYS WITH TOTAL PRECIPITATION: JOURS AVEC PRÉCIPITATIONS TOTALES: mm					DAYS WITH SNOWFALL: JOURS AVEC CHÛTE DE NEIGE: TOTALES: cm				
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	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	830.2	859.6	951.1	TOTAL FOR MONTH TOTAL DU MOIS	Nil	Nil	Nil												
ACCUMULATED SINCE JULY 1 ACCUMULÉE DEPUIS LE 1 ^{ER} JUILLET	4560.9	4211.0	4312.3	ACCUMULATED SINCE APRIL 1 ACCUMULÉE DEPUIS LE 1 ^{ER} AVRIL	1886.4	1642.8	1802.9	10	4	3	1	0	12	5	3	1	0		

UDC 551.506.1 ()

* Indicates more than one occurrence of same speed but not necessarily the same direction.

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\$10.00 per year - monthly only

\$2.00 per year - annual only; \$1.00 individual copies of monthly

COMPARATIVE RECORDS RELEVÉS COMPARATIFS				MONTH MOIS				FEBRUARY / FEVRIER				19 77	
Temperature/Température Précipitation/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		HIGHEST MAXIMUM ABSOLU			LOWEST MINIMUM ABSOLU			
							VALUE RELEVÉ	DAY JOUR	YEAR ANNÉE	VALUE RELEVÉ	DAY JOUR	YEAR ANNÉE	
HIGHEST TEMPERATURE TEMPÉRATURE LA PLUS ÉLEVÉE		3.8	8	5.5	9	1.7	11.7	25	1958	-9.4	19	1875	106
LOWEST TEMPERATURE TEMPÉRATURE LA PLUS BASSE		-33.7	6	-31.1	29	-33.9	-19.4	9	1878	-45.0	18	1966	106
MEAN MONTHLY TEMPERATURE TEMPÉRATURE MENSUELLE MOYENNE		-11.7		-11.6		-15.7	-5.1		1878	-26.1		1875	106
TOTAL MONTHLY RAINFALL HAUTEUR TOTALE MENSUELLE DE PLUIE		Tr.		.3		.8	10.2		1958	N11	(Several)		106
TOTAL MONTHLY SNOWFALL HAUTEUR TOTALE MENSUELLE DE NEIGE		23.5		30.3		19.8	89.9		1881	2.5		1903	106
TOTAL MONTHLY PRECIPITATION PRÉCIPITATION TOTALE MENSUELLE		20.9		23.0		19.1	89.9		1881	2.5		1903 1900	106
NO OF DAYS WITH MEASURABLE PRECIPITATION NOMBRE DE JOURS AVEC PRÉCIPITATION MESURABLE		10		10		10	15		1945		2	1931	94
GREATEST RAINFALL IN ONE DAY HAUTEUR DE PLUIE MAXIMALE EN UNE JOURNÉE		Tr.	11, 12	.3	17		7.6		1958				106
GREATEST SNOWFALL IN ONE DAY HAUTEUR DE NEIGE MAXIMALE EN UNE JOURNÉE		11.5	24	7.6	17		25.4		1921				106
GREATEST PRECIPITATION IN ONE DAY PRÉCIPITATION MAXIMALE EN UNE JOURNÉE		11.5	24	5.6	17, 28		25.4		1921				106
MAXIMUM RAINFALL RECORDED IN: HAUTEUR DE PLUIE MAXIMALE ENREGISTRÉE EN:													
5 MINUTES		Tr.	11 12										
10 MINUTES		Tr.	12 11										
15 MINUTES		Tr.	12 11										
30 MINUTES		Tr.	12 11										
60 MINUTES		Tr.	12 11										
24 CONSECUTIVE HOURS HEURES CONSECUTIVES		Tr.	12	.3	17		7.6	23	1958				106
MEAN WIND SPEED (km/h) VITESSE MOYENNE DU VENT (km/h)		16.7		18.3		18.8	23.8		1954	12.6		1929	57
MAXIMUM SPEED (1 min.) (km/h) VITESSE MAXIMALE (1 min.) (km/h)		N 56	24	N 48	28	58	NW 90	8	1960				39
MAXIMUM GUST SPEED (km/h) POINTE DU VENT MAXIMALE (km/h)		N 72	24	W 60	7	77	NW 129	20	1965				32
TOTAL HOURS OF SUNSHINE TOTAL DES HEURES INSOLATION		122.7		127.2		139.4	185.9		1907	80.5		1940	72
MEAN STATION PRESSURE (kPa) PRESSION MOYENNE À LA STATION (kPa)		98.51		98.29		98.90	99.42		1968	98.26		1954	39
GREATEST STATION PRESSURE (kPa) PRESSION MAXIMALE À LA STATION (kPa)		100.59	6	100.45	4	100.72	101.85	20	1966				39
LEAST STATION PRESSURE (kPa) PRESSION MINIMALE À LA STATION (kPa)		96.29	24	95.78	9	96.55				95.11	8	1960	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	0.0	-33.9	-17.2	Tr.	6.4	4.8	18.3	N, NNW 64	154.7	1021.7			
1969	1.1	-37.2	-13.9	Tr.	10.9	8.6	15.3	NW, SE 51	119.6	892.8			
1970	4.4	-32.8	-16.2	N11	16.5	15.0	19.2	N, SSE 55	131.3	957.2			
1971	3.9	-32.8	-13.9	0.3	6.4	4.6	19.4	NW 56	141.0	891.7			
1972	1.7	-36.1	-19.3	N11	13.2	10.4	13.8	S, NNW 45	160.8	1083.3			
1973	2.2	-33.3	-13.9	0.8	6.6	6.4	16.6	S 48	140.4	893.9			
1974	1.7	-38.9	-17.6	0.3	11.7	11.2	15.0	N 47	155.2	996.7			
1975	1.2	-33.2	-16.7	0.5	19.0	15.6	15.8	NW 51	148.8	971.4			
1976	5.5	-31.1	-11.6	0.3	30.3	23.0	18.3	N 48	127.2	859.6			
1977	3.8	-33.7	-11.7	Tr.	23.5	20.9	16.7	N 56	122.7	830.2			

February weather was milder, cloudier and calmer than usual in Winnipeg. Temperatures averaged -11.7C which is four degrees warmer than the long-term normal temperature of -15.7C. Coldest day was February 6th with a chilling minimum of -33.7C; but sharp warming two days later sent temperature readings up to a thawing 3.8C on February 8th.

Sunshine totalled 122.7 hours which is 16.7 hours less than usual. February was cloudy, but dry until a snowstorm on February 24th and 25th brought 15.5 cm of snow. That brought the month's total up to 23.5 cm, which is slightly more than usual.

DAILY WEATHER SUMMARY FOR FEBRUARY 1977AT WINNIPEG, MANITOBA

1. Above normal temperatures. Partly cloudy. Ice crystals 01:00 a.m. to 08:45 a.m. Snow 8:37 p.m. continued. Blowing snow 8:37 p.m. to 11:10 p.m. Drifting snow. Gusty south wind in evening. Visibility severely reduced in evening.
2. Mild. Cloudy. Snow to 05:43 a.m. Ice crystals 5:43 a.m. to 8:25 a.m. Snow 8:25 a.m. continued. Visibility restricted. Drifting snow. Gusty NW wind in morning.
3. Mild. Cloudy. Snow to 00:55 a.m. 1:28 a.m. continued. Visibility reduced. Occasional drifting snow.
4. Below normal temperatures. Mostly cloudy. Snow to 2:09 a.m. Ice crystals 2:09 a.m. to 5:26 a.m. Snow 12:54 p.m. continued. Visibility reduced in morning. Blowing snow 1:39 am to 2:02 a.m. Drifting snow. Gusty NNE wind in morning.
5. Below normal temperatures. Mostly sunny. Snow to 6:57 a.m. Ice crystals 6:57 a.m. to 7:23 a.m. 11:57 p.m. continued. Light winds.
6. Cold. Mostly cloudy. Ice crystals to 11:20 a.m. Snow 11:07 p.m. continued. Blowing snow 9:30 p.m. continued. Drifting snow. Gusty S wind in evening. Visibility restricted.
7. Mild. Cloudy. Snow to 01:08 a.m. 3:57 p.m. to 4:05 p.m. Ice crystals 05:24 a.m. to 6:57 a.m. Blowing snow to 00:15 a.m. Drifting snow. Gusty S wind in morning.
8. Very mild. Partly cloudy. Ice crystals 01:55 a.m. to 2:40 a.m. Light winds.
9. Very mild. Mostly sunny. Smoke 5:45 a.m. to 5:58 a.m. Light fog. Visibility reduced. Light winds.
10. Very mild. Cloudy. Snow 10:46 a.m. to 3:35 p.m. Visibility severely reduced. Gusty WNW wind in afternoon.
11. Very mild. Partly cloudy. Snow pellets 10:51 a.m. to 11:10 a.m. 11:54 p.m. continued. Snow 10:51 a.m. to 11:10 a.m. 10:29 p.m. to 10:45 p.m. Rain 6:47 p.m. to 7:35 p.m. Light fog in morning. Visibility restricted. Gusty S wind in afternoon.
12. Very mild. Cloudy. Snow pellets to 00:42 a.m. Snow 00:42 a.m. to 4:45 a.m. 10:39 a.m. to 2:45 p.m. 11:42 p.m. continued. Freezing drizzle 00:30 a.m. to 00:42 a.m. Blowing snow 00:50 a.m. to 01:05 a.m. Gusty NNW wind in morning. Drifting snow.
13. Above normal temperatures. Cloudy clearing late afternoon. Snow to 4:35 a.m. 8:02 a.m. to 12:51 p.m. Ice crystals 10:35 p.m. to 10:52 p.m. Blowing snow 11:52 a.m. to 11:59 a.m. Drifting snow. Visibility restricted. Gusty N wind in afternoon.
14. Below normal temperature. Sunny. Light winds.
15. Below normal temperatures. Sunny. Light winds except gusty S wind late evening. Light fog over city in morning.
16. Mild. Cloudy becoming sunny late morning. Snow 3:46 a.m. to 8:18 a.m. Visibility severely reduced. Gusty S wind early morning. Drifting snow.
17. Above normal temperatures. Partly cloudy. Ice crystals 8:35 a.m. to 8:50 a.m. Snow 9:04 a.m. to 11:25 a.m. 10:37 p.m. continued. Gusty WNW wind in afternoon otherwise light.
18. Above normal temperatures. Mostly sunny. Snow to 3:05 a.m. Visibility reduced early morning. Light winds.
19. Above normal temperatures. Partly cloudy. Light winds. Snow 2:45 a.m. to 11:15 a.m.
20. Normal temperatures. Partly cloudy. Ice crystals 2:28 a.m. to 10:40 a.m. Snow 9:49 a.m. to 1:10 p.m. Ice fog 2:55 a.m. to 7:16 a.m. Visibility severely reduced in morning. Gusty S wind late evening.
21. Mild. Sunny becoming cloudy in afternoon. Snow or snowgrains 1:06 p.m. to 8:07 p.m. Gusty S wind early morning. Drifting snow.
22. Mild. Cloudy. Mostly light winds.
23. Mild. Mostly cloudy. Mostly light winds.
24. Mild. Cloudy. Snow or snow pellets 00:45 a.m. continued all day. Blowing snow 11:06 a.m. continued all day. Visibility severely reduced. Driving hazardous. Strong gusty N wind in afternoon.
25. Severe snowstorm continues. Driving hazardous. Cars stuck, Buses jam packed and crawling. Many roads impassable. Snow to 9:40 p.m. Blowing snow to 3:23 p.m. Visibility severely reduced. Gusty N wind early morning. Mild. Cloudy.
26. Above normal temperatures. Partly cloudy. Snow 6:24 a.m. to 9:22 a.m. Mostly light winds.
27. Near normal temperatures. Sunny. Ice crystals 8:15 a.m. to 12:45 p.m. Light ice fog in morning. Light winds.
28. Near normal temperatures. Mostly sunny. Light winds.

HOURLY TEMPERATURES AT WINNIPEG INTERNATIONAL AIRPORT FOR THE MONTH OF FEBRUARY 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.	-13.9	-14.8	-16.3	-17.5	-19.3	-19.6	-19.5	-21.1	-20.6	-19.1	-17.0	-15.5	-13.7	-12.6	-13.3	-12.1	-11.5	-11.4	-10.9	-10.5	-10.7	-11.1	-11.2	-11.3
2.	-11.0	-10.4	-9.9	-9.1	-8.5	-8.8	-10.5	-11.0	-11.5	-11.2	-10.1	-9.7	-9.5	-9.6	-10.0	-10.2	-10.3	-10.2	-9.9	-9.8	-9.8	-10.8	-11.2	-11.2
3.	-10.8	-10.5	-10.0	-9.6	-9.2	-9.4	-9.7	-9.8	-9.9	-10.3	-10.7	-10.7	-10.6	-10.6	-11.0	-12.0	-12.4	-12.6	-13.0	-13.4	-13.7	-14.1	-14.4	-14.5
4.	-14.5	-14.9	-16.0	-18.0	-19.5	-19.7	-21.3	-23.9	-25.0	-25.1	-23.1	-22.6	-21.1	-20.4	-19.6	-18.9	-19.7	-20.3	-19.6	-18.1	-18.0	-17.2	-17.1	-17.0
5.	-17.0	-16.3	-16.4	-16.8	-18.3	-19.0	-18.5	-19.7	-24.6	-24.0	-22.6	-21.6	-21.7	-21.4	-21.3	-20.7	-22.3	-22.4	-23.6	-25.9	-27.8	-28.0	-28.7	-29.7
6.	-30.4	-30.4	-31.2	-31.2	-33.5	-31.2	-30.9	-31.7	-32.0	-25.2	-23.5	-22.6	-20.9	-20.9	-20.0	-19.4	-18.9	-18.9	-18.7	-18.4	-17.9	-17.6	-16.9	-16.6
7.	-16.3	-15.3	-14.8	-14.4	-14.0	-13.3	-12.7	-12.8	-11.6	-11.0	-10.4	-9.9	-8.7	-8.1	-7.2	-6.6	-6.6	-6.5	-6.3	-6.5	-6.8	-7.3	-9.5	-10.3
8.	-11.2	-12.8	-10.8	-12.4	-10.6	-9.5	-9.7	-8.5	-8.4	-7.1	-5.1	-2.0	-2	.9	.5	2.0	2.5	2.0	-6	-7	-1.5	-2.5	-3.8	-7.8
9.	-8.8	-8.4	-9.3	-9.8	-8.8	-10.8	-10.3	-10.4	-8.3	-8.3	-3.5	-1.6	-1.1	-1.1	-.8	-.3	-.3	-2.0	-3.4	-2.6	-3.3	-4.2	-5.0	-6.1
10	-6.4	-6.2	-7.0	-7.5	-7.4	-8.5	-7.5	-6.8	-6.5	-4.7	-3.0	-2.6	-4.9	-4.5	-3.1	-2.5	-2.0	-1.6	-1.6	-2.6	-3.4	-4.5	-4.0	-3.6
11	-3.0	-2.8	-2.5	-2.7	-2.4	-2.3	-2.3	-2.7	-2.6	-2.0	-1.0	-.3	1.3	1.4	.8	1.3	1.6	1.0	1.8	2.0	.8	-.4	-1.2	-5
12	-.3	-1.6	-2.5	-3.0	-2.7	-2.6	-2.8	-2.7	-2.3	-2.2	-1.2	-1.2	-1.7	-1.6	-1.9	-1.2	-2.1	-2.2	-2.3	-2.8	-2.5	-4.1	-4.5	-4.2
13	-5.1	-5.6	-5.7	-6.0	-6.2	-7.1	-7.8	-8.3	-8.4	-8.5	-8.4	-8.0	-8.1	-8.3	-8.6	-8.8	-9.5	-10.9	-12.4	-13.6	-14.7	-16.1	-17.1	-17.9
14	-18.9	-19.5	-20.9	-20.6	-21.8	-22.5	-23.3	-23.8	-24.6	-23.4	-20.9	-20.3	-19.3	-17.8	-16.6	-15.2	-14.9	-15.6	-18.5	-20.4	-21.0	-21.7	-22.0	-22.9
15	-23.4	-24.6	-24.9	-25.2	-24.8	-26.5	-27.5	-25.2	-27.1	-23.2	-21.6	-18.6	-17.5	-16.2	-15.2	-14.2	-13.5	-13.8	-14.3	-14.4	-13.9	-14.1	-14.0	-13.7
16	-13.6	-13.2	-13.1	-13.0	-12.8	-12.5	-12.0	-10.5	-9.6	-8.9	-8.1	-7.0	-5.4	-3.2	-1.1	-.8	2.1	1.3	-1.7	-2.5	-3.0	-4.0	-4.5	-6.1
17	-6.8	-8.5	-11.2	-12.6	-11.6	-13.3	-14.3	-14.8	-15.1	-15.3	-13.2	-12.1	-11.3	-10.1	-9.9	-9.9	-9.3	-10.0	-11.2	-10.3	-9.6	-10.4	-10.2	-10.2
18	-9.7	-9.4	-10.4	-12.6	-14.8	-17.6	-18.5	-19.6	-20.6	-20.3	-18.8	-17.5	-16.4	-15.8	-15.0	-14.4	-14.2	-14.4	-15.7	-17.4	-18.2	-17.6	-17.6	-16.3
19	-16.6	-16.2	-15.7	-14.8	-15.2	-14.7	-14.1	-13.6	-12.8	-12.2	-11.4	-9.7	-9.4	-8.4	-7.8	-7.2	-8.5	-9.6	-11.3	-13.1	-15.0	-17.5	-18.5	-19.0
20	-18.7	-21.4	-20.9	-22.5	-23.8	-22.1	-22.2	-20.4	-18.6	-16.6	-14.8	-12.6	-11.0	-10.0	-9.8	-9.2	-8.9	-8.6	-9.4	-9.3	-9.6	-9.3	-8.9	-9.1
21	-9.0	-8.9	-8.4	-9.0	-8.5	-8.7	-9.2	-9.5	-9.3	-8.7	-8.2	-7.8	-6.3	-4.7	-4.6	-4.4	-4.6	-5.5	-5.2	-5.1	-5.1	-5.1	-5.1	-5.3
22	-5.2	-4.2	-4.2	-4.5	-5.0	-6.0	-6.5	-6.8	-6.6	-6.8	-7.2	-6.9	-6.6	-5.5	-4.6	-4.2	-3.7	-3.8	-4.1	-5.3	-5.5	-6.1	-7.1	-7.9
23	-7.2	-7.3	-7.4	-7.4	-7.5	-7.6	-8.0	-8.5	-8.6	-9.0	-9.1	-7.5	-7.6	-7.7	-6.7	-6.8	-7.0	-7.4	-7.3	-7.3	-7.1	-6.8	-6.5	-6.2
24	-6.1	-6.4	-7.0	-7.5	-7.5	-7.5	-7.6	-7.7	-8.1	-8.1	-7.3	-6.5	-5.7	-5.7	-4.8	-4.1	-4.9	-5.2	-5.8	-6.1	-6.1	-6.2	-6.3	-6.5
25	-6.7	-6.6	-6.9	-7.1	-7.2	-7.4	-7.6	-7.7	-7.7	-8.2	-8.5	-8.5	-8.1	-7.6	-6.7	-6.5	-6.7	-6.5	-6.6	-8.0	-8.0	-7.4	-7.5	-9.2
26	-8.0	-10.5	-11.9	-13.0	-12.6	-12.5	-10.5	-9.2	-9.0	-8.5	-8.4	-7.5	-7.2	-7.4	-7.0	-6.6	-6.8	-7.3	-10.3	-11.6	-13.0	-13.5	-14.8	-14.5
27	-15.0	-16.6	-16.3	-18.4	-19.2	-18.9	-20.3	-19.1	-18.3	-19.1	-18.0	-15.5	-13.8	-12.3	-11.4	-11.0	-10.7	-11.8	-13.0	-12.9	-13.9	-16.2	-16.0	-16.0
28	-17.9	-17.8	-17.1	-19.7	-19.6	-20.8	-20.7	-20.8	-21.7	-22.2	-18.4	-16.0	-14.2	-11.7	-9.9	-9.0	-8.4	-8.9	-10.0	-10.8	-12.7	-12.2	-12.3	-12.7
MEAN	-11.7	-12.1	-12.3	-13.0	-13.2	-13.6	-13.7	-13.7	-13.8	-13.3	-11.9	-10.7	-10.0	-9.2	-8.7	-8.2	-8.2	-8.6	-9.4	-9.8	-10.3	-10.8	-11.2	-11.6

HOURLY METEOROLOGICAL TEMPERATURES AT WINNIPEG INTERNATIONAL AIRPORT FOR THE MONTH OF FEBRUARY 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.	-14.0	-14.9	-16.3	-17.5	-19.2	-19.5	-19.4	-21.0	-20.5	-19.1	-17.2	-15.8	-14.2	-12.9	-13.5	-12.2	-11.7	-11.6	-11.1	-10.6	-10.8	-11.2	-11.3	-11.3
2.	-11.1	-10.4	-10.0	-9.2	-8.6	-8.9	-10.6	-11.1	-11.6	-11.2	-10.2	-9.8	-10.0	-10.0	-10.3	-10.4	-10.5	-10.4	-10.1	-9.9	-10.0	-10.0	-11.3	-11.3
3.	-10.9	-10.7	-10.2	-9.8	-9.5	-9.7	-10.0	-10.1	-10.2	-10.6	-11.0	-11.0	-11.0	-11.2	-11.2	-12.3	-12.6	-12.8	-13.2	-13.6	-13.8	-14.2	-14.5	-14.6
4.	-14.5	-15.0	-16.1	-18.1	-19.5	-19.7	-21.3	-23.9	-25.0	-25.1	-23.1	-22.6	-21.2	-20.5	-19.7	-19.0	-19.8	-20.3	-19.6	-18.2	-18.0	-17.2	-17.1	-17.0
5.	-17.0	-16.4	-16.5	-16.9	-18.5	-19.0	-18.5	-19.7	-24.6	-24.0	-22.6	-21.7	-21.8	-21.5	-21.3	-20.8	-22.4	-22.5	-23.7	-25.9	-27.7	-27.9	-28.6	-29.6
6.	-30.3	-30.3	-30.1	-31.1	-32.9	-33.4	-31.1	-30.8	-31.6	-32.0	-25.2	-23.5	-22.7	-21.1	-20.2	-19.6	-19.0	-19.0	-18.8	-18.5	-18.0	-17.7	-17.0	-16.7
7.	-16.4	-15.4	-15.0	-14.6	-14.2	-13.5	-12.9	-13.0	-11.8	-11.2	-10.7	-10.2	-9.2	-8.6	-7.8	-7.1	-7.0	-6.8	-6.6	-6.8	-7.0	-7.4	-9.5	-10.3
8.	-11.2	-12.9	-10.9	-12.3	-10.6	-9.7	-9.9	-8.9	-8.8	-7.6	-5.8	-3.2	-1.7	-5	-1.0	.1	.4	.6	-1.7	-1.9	-2.5	-3.4	-4.5	-8.1
9.	-8.8	-8.5	-9.4	-9.9	-8.9	-10.9	-10.3	-10.4	-8.4	-8.3	-4.0	-3.0	-2.4	-2.1	-1.7	-1.7	-1.7	-2.7	-3.8	-3.1	-3.7	-4.6	-5.2	-6.1
10	-6.5	-6.3	-7.1	-7.6	-7.5	-8.6	-7.6	-7.0	-6.7	-5.0	-3.4	-3.1	-5.2	-4.8	-3.4	-2.7	-2.5	-2.1	-2.1	-2.9	-3.6	-4.5	-4.1	-3.8
11	-3.2	-3.0	-2.8	-2.9	-2.7	-2.7	-2.7	-2.9	-2.7	-2.3	-1.6	-1.0	-1.1	-2	-3	-1	.5	.3	.8	.8	-.2	-1.3	-1.6	-1.8
12	-6	-1.6	-2.5	-3.0	-3.0	-2.9	-3.2	-3.0	-2.7	-2.4	-1.6	-1.7	-2.0	-2.3	-2.5	-2.3	-3.0	-3.3	-3.5	-3.7	-3.7	-4.8	-5.0	-5.0
13	-5.5	-6.0	-6.1	-6.5	-6.6	-7.5	-8.3	-8.8	-8.9	-9.0	-8.8	-8.6	-8.8	-9.0	-9.3	-9.5	-10.2	-11.2	-12.5	-13.8	-14.8	-17.2	-18.0	-18.0
14	-19.0	-19.6	-20.9	-20.6	-21.9	-22.5	-23.2	-23.7	-24.5	-23.4	-21.0	-20.4	-19.4	-18.0	-16.6	-15.3	-15.0	-15.9	-18.6	-20.6	-21.2	-21.8	-23.0	-23.0
15	-23.4	-24.6	-24.8	-25.1	-24.7	-26.5	-27.4	-25.2	-27.0	-23.2	-21.7	-18.9	-17.7	-16.6	-15.7	-14.8	-13.9	-14.0	-14.6	-14.8	-14.4	-14.6	-14.5	-14.1
16	-13.9	-13.4	-13.6	-13.4	-13.0	-12.6	-12.1	-10.7	-9.8	-9.1	-8.5	-7.5	-6.0	-4.0	-2.3	-1.0	.4	-1.0	-3.0	-3.5	-4.0	-4.8	-5.3	-6.6
17	-7.3	-8.7	-11.4	-12.6	-11.6	-13.3	-14.3	-14.8	-15.1	-15.3	-13.4	-12.4	-11.7	-10.5	-10.3	-10.3	-9.6	-10.2	-11.4	-10.6	-10.0	-10.1	-10.7	-10.4
18	-9.8	-9.4	-10.5	-12.7	-14.9	-17.7	-18.5	-19.6	-20.6	-20.3	-19.0	-17.7	-16.6	-16.1	-15.4	-14.8	-14.5	-14.7	-15.8	-17.6	-18.3	-17.7	-17.6	-16.3
19	-16.7	-16.3	-15.8	-15.0	-15.5	-14.9	-14.3	-13.8	-13.0	-12.4	-11.6	-10.0	-9.7	-8.8	-8.6	-7.9	-9.3	-10.1	-11.6	-13.3	-15.0	-17.5	-18.5	-19.0
20	-18.7	-21.3	-20.9	-22.4	-23.7	-22.0	-22.2	-20.4	-18.6	-16.6	-14.8	-12.7	-11.3	-10.5	-10.4	-9.8	-9.4	-9.0	-9.7	-9.5	-9.8	-9.5	-9.1	-9.3
21	-9.1	-8.9	-8.6	-9.1	-8.7	-8.9	-9.3	-9.8	-9.6	-9.1	-8.4	-8.1	-6.6	-5.2	-4.9	-4.7	-4.8	-5.9	-5.6	-5.5	-5.5	-5.6	-5.7	-5.7
22	-5.6	-5.0	-5.0	-5.3	-5.7	-6.6	-7.1	-7.3	-7.3	-7.7	-8.0	-7.7	-7.4	-6.3	-5.7	-5.2	-4.9	-5.4	-5.5	-6.5	-6.9	-7.4	-8.2	-8.9
23	-8.5	-8.1	-8.6	-8.4	-8.5	-8.6	-9.0	-9.4	-9.9	-10.0	-10.1	-8.6	-8.6	-8.7	-7.8	-8.0	-8.1	-8.2	-8.2	-8.2	-8.0	-7.7	-7.4	-7.2
24	-7.1	-7.0	-7.3	-7.6	-7.6	-7.7	-7.6	-7.7	-8.2	-8.2	-7.5	-6.7	-6.0	-6.0	-5.0	-4.3	-5.1	-5.5	-6.0	-6.3	-6.3	-6.4	-6.5	-6.7
25	-6.9	-6.7	-7.0	-7.3	-7.4	-7.5	-7.8	-7.8	-7.8	-8.4	-8.7	-8.7	-8.5	-8.2	-7.4	-7.0	-7.1	-7.0	-7.3	-8.8	-8.6	-8.0	-8.0	-9.5
26	-8.5	-10.6	-12.0	-13.1	-12.6	-12.5	-10.6	-9.3	-9.1	-8.7	-8.7	-8.0	-7.8	-7.9	-7.7	-7.3	-7.5	-8.0	-10.7	-11.9	-13.0	-13.5	-14.7	-14.4
27	-14.9	-16.6	-16.3	-18.4	-19.2	-18.9	-20.3	-19.1	-18.3	-19.1	-18.0	-15.6	-13.9	-12.5	-11.6	-11.2	-11.2	-12.2	-13.2	-13.1	-14.1	-16.2	-16.0	-16.0
28	-17.9	-17.8	-17.1	-19.7	-19.6	-20.8	-20.7	-20.8	-21.7	-22.2	-18.5	-16.3	-14.7	-12.2	-10.5	-9.9	-9.1	-9.6	-10.5	-11.3	-13.0	-12.5	-12.5	-12.9
MEAN	-11.9	-12.2	-12.5	-13.1	-13.3	-13.7	-13.8	-13.8	-14.0	-13.5	-12.2	-11.1	-10.5	-9.8	-9.3	-8.8	-8.8	-9.2	-9.8	-10.2	-10.7	-11.1	-11.5	-11.8

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

ALL TIMES ARE C.S.T.

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	WNW 11	WNW 15	WNW 13	WNW 9	W 6	C 0	C 0	SSW 4	SSW 6	SSW 7	S 15	S 17	S 24	S 20	S 24	S 20	S 24	S 30	SSE 30	S 33	S 31	S 30	S 28	S 26	S 44	19 CST	
2	S 19	S 15	SW 9	W 13	NW 24	WNW 30	NW 24	NW 33	NW 20	NW 22	NW 24	NW 31	NNW 26	NW 30	NW 35	NW 31	NW 30	NW 22	NW 17	WNW 11	W 9	W 11	W 13	WSW 9	NW 41	07 CST	
3	WSW 7	WSW 6	WSW 11	WNW 11	WNW 17	WNW 13	WNW 15	WNW 13	WNW 11	N 17	N 17	N 17	NNE 11	N 19	N 17	NE 9	NE 13	ENE 11	NE 17	NE 17	NE 11	NNE 20	NE 24	NE 22	NNE 33	00 CST	
4	NNE 30	NNE 33	NNE 24	N 24	N 26	N 20	N 20	N 7	NNW 11	NW 15	NW 13	NW 17	NW 15	NW 15	NW 15	NW 19	WNW 9	C 0	WNW 6	NNW 6	NW 4	NW 9	C 0	W 6	NNE 41	02 CST	
5	NW 13	N 19	N 17	N 9	NNW 15	NNW 15	NNE 15	NNE 15	NNE 9	NNE 15	NNE 15	NNE 13	NNE 11	NNE 11	NNE 11	NNE 11	NNE 6	NNE 6	NNW 6	NNW 6	NNW 9	NNW 2	NNW 9	NNW 11	S 43	21 CST	
6	NNW 11	N 7	C 0	C 0	C 4	C 0	C 4	SW 4	SSE 9	SSE 9	S 9	S 15	S 11	S 20	S 11	S 19	S 26	S 28	S 26	S 22	S 33	S 30	S 28	S 31	S 44	04 CST	
7	S 31	S 26	S 26	S 6	S 24	S 28	S 24	S 24	S 28	S 31	S 24	S 28	S 31	S 24	S 31	S 24	S 20	S 17	S 17	S 13	S 11	S 6	SSW 6	SSW 2	S 44	04 CST	
8	SW 2	WSW 4	WSW 6	WSW 17	SSW 7	SSW 13	SSW 15	SSW 13	SSW 7	SW 7	W 19	W 20	W 17	W 7	WNW 11	WNW 17	W 13	W 13	W 15	W 19	W 17	W 19	C 0	C 0	S 44	04 CST	
9	C 0	C 0	C 0	C 9	C 7	S 4	S 4	S 9	S 11	S 15	S 17	S 13	S 11	S 9	S 13	S 17	S 17	SE 13	SSE 9	SSE 15	S 13	S 11	S 11	S 11	S 44	04 CST	
10	SSE 7	S 7	S 11	S 13	S 9	SSW 15	SSW 11	SSW 13	SSW 11	SSW 19	WNW 26	WNW 30	WNW 30	WNW 31	WNW 30	WNW 31	WNW 30	WNW 26	WNW 19	WNW 15	WNW 13	C 4	C 0	C 0	WNW 41	13 CST	
11	C 0	C 0	SE 6	SE 4	S 13	S 4	SSE 13	S 13	SSE 15	SSE 19	SSE 19	SSE 26	SSE 28	SSE 28	S 24	S 19	S 13	SSW 13	WSW 6	WSW 13	WNW 19	WNW 22	WNW 26	WNW 24	S 44	13 CST	
12	NNW 37	NNW 41	NNW 30	NNW 31	NNW 24	NNW 31	NNW 30	NNW 35	NNW 31	NNW 31	NNW 35	NNW 28	NNW 26	NNW 26	NNW 35	NNW 33	NNW 30	NNW 24	NNW 20	NNW 20	NNW 17	N 9	N 11	NNE 15	NNW 52	01 CST	
13	NE 9	N 6	W 4	NE 9	NNE 19	NNE 20	NNE 11	NNW 11	NNE 20	N 22	N 24	N 35	N 31	N 31	N 31	N 30	N 26	N 26	N 28	NNW 28	NNW 31	N 28	N 26	NNW 22	N 41	12 CST	
14	NW 19	NNW 19	NNW 19	NNW 22	NNW 17	NNW 13	NNW 15	NNW 15	NNW 9	NNW 11	NNW 20	NNW 19	NNW 20	NNW 17	NNW 20	NNW 13	NNW 11	NNE 11	NNE 11	NNE 11	NW 11	NW 7	NW 13	NW 11	W 7	S 44	12 CST
15	NNW 9	NNW 9	NNW 7	C 0	C 0	C 0	C 0	SSE 7	SSE 9	SSE 9	S 9	S 17	S 17	S 17	S 17	S 17	S 22	S 22	SSE 19	SSE 22	SSE 33	SSE 33	S 33	S 35	S 52	23 CST	

