

MONTHLY METEOROLOGICAL SUMMARY SOMMAIRE MÉTÉOROLOGIQUE MENSUEL

MONTH/MOIS JANUARY / JANVIER

1978

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

LAT: 49 ° 54 ' N			LONG: 97 ° 14 ' W			ELEVATION: 786 FEET (ASL) / ALTIITUDE: 786 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 CHAUFFÉ	GROWING / DE CROISSANCE	MAXIMUM / MAXIMALE	MINIMUM / MINIMALE		RAINFALL / PLUIE (HAUTEUR)	SNOWFALL / NEIGE (HAUTEUR)	TOTAL PRECIP. / PRÉCIP. TOTALE		AVERAGE SPEED / VITESSE MOYENNE	PREVAILING DIRECTION / DIRECTION DOMINANTE	MAXIMUM SPEED AND DIRECTION / VITESSE MAXIMALE ET DIRECTION	
	°C	°C	°C	BASE 18°C	BASE 5°C	%	%	mm	cm	mm	cm	km/h		km/h	HOURS / HEURES	
1	-9.8	-19.0	-14.4	32.4	0.0	88	75			2.2	1.6	15	21.2	SW	SW 30	1.1
2	-10.2	-14.8	-12.5	30.5	0.0	89	75			Tr.	Tr.	17	16.8	W, NW *	NW 24*	6.8
3	-13.5	-22.0	-17.8	35.8	0.0	86	77			Tr.	Tr.	17	16.5	S	SW 20*	1.7
4	-20.4	-26.3	-23.4	41.4	0.0	86	70			Tr.	Tr.	17	10.2	N, NNE	NNW 24	0.0
5	-20.5	-25.0	-22.8	40.8	0.0	82	72			1.9	1.9	17	20.4	NE	ENE 26	0.0
6	-14.9	-20.5	-17.7	35.7	0.0	84	77			2.8	2.8	19	20.6	ENE	ENE 26*	0.0
7	-14.8	-24.9	-19.9	37.9	0.0	86	73			Tr.	Tr.	20	25.5	NW	NW 39	1.5
8	-24.6	-28.9	-26.8	44.8	0.0	86	68			Tr.	Tr.	20	22.9	NNW	NNW 31	7.7
9	-25.6	-33.1	-29.4	47.4	0.0	97	73			Tr.	Tr.	20	14.4	NW	NW 19*	7.4
10	-20.3	-32.0	-26.2	44.2	0.0	78	61			Tr.	Tr.	20	15.7	SW, WNW	SW 20*	7.4
11	-15.4	-22.0	-18.7	36.7	0.0	81	62					20	13.4	WSW	W 20	8.2
12	-14.0	-22.1	-18.1	36.1	0.0	87	74			Tr.	Tr.	20	13.5	NE, SSE *	ENE 22	0.0
13	-15.0	-23.2	-19.1	37.1	0.0	84	76			Tr.	Tr.	20	14.7	NE	NE 22*	4.1
14	-15.8	-22.0	-18.9	36.9	0.0	86	72			0.2	0.2	20	14.5	S	S 20*	1.6
15	-17.0	-30.1	-23.6	41.6	0.0	83	59			0.2	0.2	20	24.3	NNW	NNW 33	7.3
16	-24.5	-33.3	-28.9	46.9	0.0	88	71			Tr.	Tr.	20	12.2	S	NNW 19	8.1
17	-17.0	-29.1	-23.1	41.1	0.0	86	62			Tr.	Tr.	19	19.9	S	S 28	5.9
18	-18.1	-29.2	-23.7	41.7	0.0	83	64			0.2	0.2	18	20.9	NNW	NNE 26	8.3
19	-19.9	-27.5	-23.7	41.7	0.0	79	67					18	12.6	S, NW	NW 22	8.0
20	-18.7	-26.4	-22.6	40.6	0.0	80	64					18	21.4	S	SW 30	8.5
21	-16.6	-23.9	-20.3	38.3	0.0	80	73					18	25.6	SSW	SSW 31*	6.5
22	-11.2	-21.0	-16.1	34.1	0.0	85	76			Tr.	Tr.	18	20.2	S	S 37	4.2
23	-2.1	-11.6	-6.9	24.9	0.0	96	73			Tr.	Tr.	18	20.5	WNW	SSW 30	0.7
24	-7.3	-15.0	-11.2	29.2	0.0	91	72			0.6	0.6	17	20.4	SSW	NNW 43*	1.4
25	-10.9	-29.5	-20.2	38.2	0.0	87	67			2.8	2.8	20	44.7	NNE	NNE 65	2.9
26	-23.5	-31.9	-27.7	45.7	0.0	80	63					20	21.0	NNW	N 26*	8.2
27	-22.0	-31.0	-26.5	44.5	0.0	81	74					19	18.7	NW	NW 22*	0.3
28	-20.0	-25.9	-23.0	41.0	0.0	82	71			Tr.	Tr.	19	19.7	NW	NW 28	8.5
29	-20.0	-26.3	-23.2	41.2	0.0	81	70			Tr.	Tr.	19	10.8	WNW	NW 15*	6.2
30	-19.1	-28.0	-23.6	41.6	0.0	81	66			Tr.	Tr.	19	8.8	W	WNW 17*	4.4
31	-19.2	-29.5	-24.4	42.4	0.0	82	70			Tr.	Tr.	18	15.2	NW	NW 20*	7.6
MEAN MOYENNE	-16.8	-25.3	-21.1	1212.4	0.0	85	70	TOTAL	TOTAL	TOTAL	TOTAL		18.6	PREVAILING / DOMINANTE	MAXIMUM	TOTAL
NORMAL NORMALE	-13.4	-23.2	-18.3	1125.6	0.0			0.0		24.9	23.6		19.5	NW	57	112.5

UDC 551.506.1 () *Indicates more than one occurrence of same speed but not necessarily the same direction.
 YEARLY SUBSCRIPTION RATE: \$12.00 per year - includes monthly and annual
 \$10.00 per year - monthly only
 \$2.00 per year - annual only; \$1.00 individual copies of monthly

COMPARATIVE RECORDS RELEVÉS COMPARATIFS		MONTH MOIS JANUARY / JANVIER											1978
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		- 2.1	23	-1.2	22	0.0	7.8	23	1942	-11.7	11	1950	107
LOWEST TEMPERATURE TEMPÉRATURE LA PLUS BASSE		-33.3	16	-38.0	17	-35.6	-25.0	14	1931	-44.4	15	1877	107
MEAN MONTHLY TEMPERATURE TEMPÉRATURE MENSUELLE MOYENNE		-21.1		-21.0		-18.3	-10.6		1944	-26.9		1875	107
TOTAL MONTHLY RAINFALL HAUTEUR TOTALE MENSUELLE DE PLUIE		Nil		Tr.		.3	3.8		1944	Nil	(Most years)	1881	107
TOTAL MONTHLY SNOWFALL HAUTEUR TOTALE MENSUELLE DE NEIGE		10.9		12.9		24.9	85.3		1916	2.8	1902,	1973	107
TOTAL MONTHLY PRECIPITATION PRÉCIPITATION TOTALE MENSUELLE		10.3		12.5		23.6	85.3		1916	2.5		1973	107
NO OF DAYS WITH MEASURABLE PRECIPITATION NOMBRE DE JOURS AVEC PRÉCIPITATION MESURABLE		8		11		12	20		1954	3		1973	95
GREATEST RAINFALL IN ONE DAY HAUTEUR DE PLUIE MAXIMALE EN UNE JOURNÉE		Nil		Tr.	19, 23		3.8	20	1944				107
GREATEST SNOWFALL IN ONE DAY HAUTEUR DE NEIGE MAXIMALE EN UNE JOURNÉE		2.8	6, 25	5.5	19		31.8	2	1907				107
GREATEST PRECIPITATION IN ONE DAY PRÉCIPITATION MAXIMALE EN UNE JOURNÉE *		2.8	6, 25	5.5	19		31.8	2	1907				107
MAXIMUM RAINFALL RECORDED IN: HAUTEUR DE PLUIE MAXIMALE ENREGISTRÉE EN:													
5 MINUTES				Tr.	19, 23								
10 MINUTES				Tr.	19, 23								
15 MINUTES				Tr.	19, 23								
30 MINUTES				Tr.	19, 23								
60 MINUTES				Tr.	19, 23								
24 CONSECUTIVE HOURS HEURES CONSECUTIVES		Nil		Tr.	19, 23		3.8	20	1944				107
MEAN WIND SPEED (km/h) VITESSE MOYENNE DU VENT (km/h)		18.6		16.0		19.5	22.9		1947	13.7		1930	58
MAXIMUM SPEED (1 min.) (km/h) VITESSE MAXIMALE (1 min.) (km/h)		NNE65	25	N 57	25	57	N 79	13	1942			1936	40
MAXIMUM GUST SPEED (km/h) POINTE DU VENT MAXIMALE (km/h)		NNE80	25	N 76	25	76	NW 93*	11	1975				33
TOTAL HOURS OF SUNSHINE TOTAL DES HEURES INSOLATION		144.5		116.3		112.5	160.3		1959	63.5		1931	79
MEAN STATION PRESSURE (kPa) PRESSION MOYENNE À LA STATION (kPa)		99.55		98.86		98.96	99.72		1966	98.21		1947	40
GREATEST STATION PRESSURE (kPa) PRESSION MAXIMALE À LA STATION (kPa)		101.09	8	100.53	17	100.83	102.07	10	1949				40
LEAST STATION PRESSURE (kPa) PRESSION MINIMALE À LA STATION (kPa)		97.02	24	96.56	25	96.60				94.81	14	1947	40
CLIMATOLOGICAL DATA FOR THE PAST TEN YEARS DONNÉES CLIMATOLOGIQUES POUR LES DERNIÈRES 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		
1969	-2.2	-37.8	-21.9	Tr.	54.4	47.5	19.3	NW 48	92.5	1240.0			
1970	-1.7	-38.3	-19.9	Tr.	32.3	22.9	16.6	S 43	108.9	1178.3			
1971	-3.3	-36.1	-22.5	Nil	15.2	10.7	17.5	S, SSE56	149.2	1257.8			
1972	1.1	-38.9	-22.0	Nil	18.8	16.0	16.7	S 58	144.1	1242.2			
1973	5.6	-38.9	-14.0	1.8	2.8	2.5	15.8	NNW43	141.2	990.0			
1974	-2.2	-41.7	-22.4	0.5	40.4	39.1	15.3	SSE48	123.2	1255.6			
1975	-2.1	-33.0	-15.9	0.3	51.7	45.9	17.5	NW 66*	101.9	1055.1			
1976	3.3	-35.8	-18.1	Tr.	37.2	29.8	19.6	S 60	108.7	1120.3			
1977	-1.2	-38.0	-21.0	Tr.	12.9	12.5	16.0	N 57	116.3	1208.4			
1978	-2.1	-33.3	-21.1	Nil	10.9	10.3	18.6	NNE65	144.5	1212.4			

*Tower wind NW 106 1975 11th *3.2 - 24-25 January

January weather was colder and sunnier than usual. Snowfall was lighter than normal, but a full blizzard struck Winnipeg during early hours of January 25. Wind reached a peak gust of 80 KM per hour and visibility was less than one-half mile for more than 12 hours in blowing snow.

Temperatures during January averaged -21.1 compared to a long-time normal of -18.3 degrees. Extremes ranged from a low of -33.3 January 16 to -2.1 on January 23. Snowfall amounted to 10.9 cm which is 14 cm less than usual for January. Sunshine totalled 144.5 hours, which is 32 hours more than usual.

DAILY WEATHER SUMMARY FOR JANUARY 1978AT WINNIPEG, MANITOBA

1. Above normal temperatures. Cloudy. Snow to 01:10 a.m., 12:18 p.m. continued. Visibility reduced afternoon and evening. Blowing snow: 6:45 p.m. to 10:45 p.m.
2. Above normal temperatures. Partly cloudy. Snow: to 2:12 a.m., 5:35 a.m. to 12:10 p.m. Visibility reduced in morning. Mostly light winds.
3. Near normal temperatures. Mostly cloudy. Snow: 12:50 p.m. to 3:45 p.m., 6:05 p.m. to 7:30 p.m. Light winds.
4. Below normal temperatures. Cloudy. Ice crystals 4:15 p.m. continued. Heavy fog 8:12 a.m. to 9:00 a.m. Light fog till afternoon. Light winds.
5. Below normal temperatures. Cloudy. Ice crystals to 00:56 a.m. Snow: 00:56 a.m. continued. Visibility reduced. Mostly light winds but some drifting snow.
6. Near normal temperatures. Cloudy. Snow to 4:25 a.m., 6:14 a.m. continued. Visibility reduced. Drifting snow.
7. Below normal temperatures. Mostly cloudy. Snow to 12:28 p.m., 6:23 p.m. to 7:10 p.m. Ice crystals 7:10 p.m. continued. Moderate winds. Blowing snow: 9:45 a.m. to 12:20 p.m., 4:13 p.m. to 4:23 p.m. Visibility reduced in morning.
8. Cold. Mostly sunny. Ice crystals to 00:50 a.m., 8:00 p.m. to 9:00 p.m. Moderate winds. Gusty NNW wind in the morning.
9. Cold. Mostly sunny. Ice crystals 8:19 a.m. to 3:20 p.m. Light fog in the morning. Visibility slightly reduced. Light winds.
10. Cold. Mostly sunny. Ice crystals 8:55 a.m. to 7:20 p.m. Light winds. Visibility slightly reduced in early morning.
11. Near normal temperatures. Mostly sunny. Light winds.
12. Near normal temperatures. Cloudy. Ice crystals 1:28 a.m. to 2:30 p.m. Snow 2:30 p.m. continued. Light winds. Light ice fog in morning. Visibility slightly reduced.
13. Near normal temperatures. Mostly cloudy. Snow to 00:22 a.m., 10:20 p.m. continued. Ice crystals 00:22 a.m. to 3:09 a.m. Light winds.
14. Near normal temperatures. Mostly cloudy. Snow to 2:55 a.m., 12:25 p.m. continued. Ice crystals 2:40 a.m. to 4:33 a.m., 6:18 a.m. to 9:40 a.m. Light winds. Visibility slightly restricted in the evening.
15. Below normal temperatures. Mostly sunny. Ice crystals 2:23 a.m. to 5:52 a.m. Snow to 8:55 a.m. Blowing snow 12:45 p.m. to 1:30 p.m. Moderate winds. Visibility slightly restricted.
16. Cold. Sunny. Ice crystals 00:54 a.m. to 1:45 p.m. Light winds. Visibility slightly restricted in the morning.
17. Below normal temperatures. Mostly sunny. Ice crystals 00:12 a.m. to 9:10 a.m. Light ice fog in morning. Visibility slightly restricted. Gusty south wind in the afternoon.
18. Below normal temperatures. Mostly sunny. Snow 00:40 a.m. to 2:40 a.m. Moderate winds. Visibility restricted in the morning.
19. Below normal temperatures. Mostly sunny. Light winds.
20. Below normal temperatures. Sunny. Moderate winds. Drifting snow. Gusty south wind in the evening.
21. Near normal temperatures. Sunny. Moderate winds. Drifting snow. Smoke over the city. Gusty SSW wind in the afternoon.
22. Above normal temperatures. Mostly sunny. Ice crystals 9:21 a.m. to 1:55 p.m., 2:19 p.m. to 3:17 p.m. Snow 1:55 p.m. to 3:35 p.m. Moderate winds. Gusty south wind in the evening. Visibility slightly restricted in light ice fog in morning.
23. Mild. Cloudy. Snow 7:15 p.m. to 11:40 p.m. Moderate winds. Visibility reduced in evening.
24. Above normal temperatures. Cloudy. Snow 11:09 a.m. continued. Visibility severely reduced in the afternoon and evening. Gusty NNW wind in the evening.
25. Normal temperatures. Mostly cloudy. Blizzard. Visibility severely reduced till late evening. Zero-2:25 a.m. to 1:00 p.m. cars stalled and stranded. Numerous accidents. Airport closed down. Severe wind chill. Snow to 12:20 p.m. Blowing snow 1:07 a.m. to 3:55 p.m. Strong gusty NNE winds - 80 KM in morning.
26. Below normal temperatures. Sunny. Light winds.
27. Below normal temperatures. Cloudy. Light winds.
28. Below normal temperatures. Mostly sunny. Snow 8:50 p.m. continued. Gusty northwest wind in the afternoon.
29. Below normal temperatures. Mostly sunny. Snow to 1:07 a.m. Snow grains 4:08 p.m. continued. Light winds.
30. Below normal temperatures. Partly cloudy. Snow grains to 1:35 a.m. Snow: 9:32 a.m. to 11:10 a.m., 3:27 p.m. continued. Light winds.
31. Below normal temperatures. Mostly sunny. Snow to 7:15 a.m. Ice crystals: 10:55 p.m. continued. Light winds.

HOPLY TEMPERATURES AT WINNIPEG INTERNATIONAL AIRPORT FOR THE MONTH OF JANUARY

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.	-17.5	-17.6	-17.3	-17.2	-17.3	-18.6	-16.9	-17.6	-17.4	-18.7	-18.0	-17.4	-15.8	-14.2	-11.8	-11.7	-10.8	-10.6	-10.0	-9.8	-10.0	-11.0	-12.2	-13.4
2.	-12.2	-11.7	-12.3	-13.1	-13.4	-13.9	-12.2	-11.4	-10.8	-12.0	-12.3	-11.9	-11.5	-11.0	-11.5	-11.0	-12.1	-12.1	-12.2	-12.2	-13.0	-14.0	-14.0	-13.3
3.	-14.0	-13.8	-13.7	-13.6	-14.3	-14.2	-14.1	-14.1	-15.6	-17.0	-16.9	-17.1	-17.0	-16.2	-16.3	-15.5	-16.0	-18.5	-20.2	-18.5	-18.5	-19.5	-21.5	-20.8
4.	-21.5	-22.2	-23.1	-25.2	-25.0	-24.8	-25.2	-26.1	-25.3	-23.5	-21.2	-21.0	-21.0	-20.6	-20.6	-21.5	-22.0	-23.9	-25.6	-24.8	-22.8	-23.2	-22.2	-22.0
5.	-21.8	-22.5	-22.2	-22.4	-22.5	-22.8	-23.3	-23.6	-23.9	-24.2	-24.4	-24.8	-24.8	-24.5	-24.2	-24.2	-24.0	-23.8	-23.3	-22.8	-22.1	-21.5	-21.0	-20.7
6.	-20.5	-20.0	-19.8	-19.9	-19.6	-20.2	-19.2	-19.0	-19.1	-19.0	-18.8	-18.2	-18.2	-18.0	-17.5	-17.4	-16.7	-16.4	-16.0	-15.6	-15.4	-15.1	-15.0	-14.9
7.	-14.9	-15.0	-14.9	-16.4	-16.9	-17.9	-18.0	-18.5	-18.9	-19.2	-19.4	-19.4	-19.4	-19.4	-19.8	-20.5	-20.6	-21.3	-22.1	-22.1	-23.4	-23.9	-24.1	-24.4
8.	-24.8	-25.0	-25.2	-25.6	-26.9	-26.3	-26.6	-27.5	-28.1	-28.9	-28.6	-28.2	-27.6	-26.7	-26.0	-25.8	-26.0	-26.8	-27.0	-27.0	-26.6	-25.8	-27.1	-28.0
9.	-28.1	-29.7	-30.1	-30.1	-30.1	-31.0	-31.9	-31.8	-32.8	-32.8	-31.5	-30.9	-29.9	-28.0	-27.2	-26.3	-26.1	-26.5	-27.5	-28.2	-28.4	-28.0	-28.1	-29.0
10	-29.5	-29.8	-29.5	-30.7	-31.1	-31.5	-31.2	-31.7	-31.2	-30.2	-28.9	-28.6	-25.6	-24.1	-22.0	-21.1	-22.3	-22.5	-21.0	-20.6	-21.5	-21.6	-20.7	-21.5
11	-21.6	-20.4	-19.8	-19.2	-19.6	-19.6	-19.8	-19.6	-20.3	-21.2	-19.3	-18.4	-17.4	-16.5	-16.4	-15.8	-16.5	-17.2	-18.4	-19.6	-20.4	-20.7	-21.1	-21.6
12	-21.7	-21.8	-21.6	-22.0	-21.5	-21.2	-21.3	-21.7	-21.8	-20.4	-19.2	-17.9	-16.9	-15.6	-14.7	-14.2	-14.8	-14.5	-16.0	-16.5	-16.5	-17.0	-17.0	-16.4
13	-15.2	-17.5	-19.2	-20.0	-21.3	-22.0	-22.5	-22.0	-22.0	-21.2	-20.8	-20.4	-19.4	-18.2	-18.8	-18.0	-18.6	-20.3	-20.6	-20.0	-20.1	-20.3	-20.3	-18.8
14	-16.2	-16.3	-17.0	-17.9	-19.1	-20.4	-20.4	-20.5	-21.1	-21.8	-21.0	-19.8	-18.8	-17.7	-17.0	-16.2	-15.9	-16.0	-16.0	-16.0	-16.0	-16.0	-16.0	-16.2
15	-17.0	-17.5	-18.1	-19.0	-21.1	-20.2	-19.3	-18.4	-17.9	-18.4	-19.2	-19.0	-19.6	-20.1	-20.2	-20.9	-21.7	-23.7	-24.5	-25.9	-26.9	-27.1	-28.5	-30.0
16	-29.7	-30.0	-31.1	-30.9	-31.5	-32.5	-32.5	-33.3	-32.7	-30.0	-29.2	-28.8	-26.6	-25.5	-25.0	-24.5	-26.0	-27.0	-28.0	-27.9	-27.6	-27.7	-28.3	-28.2
17	-28.2	-28.1	-28.8	-28.3	-28.3	-28.8	-28.9	-28.5	-28.2	-28.4	-27.5	-26.5	-25.4	-24.0	-22.2	-20.8	-19.9	-19.2	-19.0	-18.3	-17.3	-17.0	-18.0	-18.5
18	-18.1	-18.5	-21.7	-22.0	-23.7	-25.6	-26.8	-27.3	-28.6	-29.2	-28.2	-27.5	-27.1	-26.4	-25.5	-25.7	-25.3	-25.3	-25.1	-25.0	-24.3	-22.9	-24.2	-25.4
19	-25.9	-26.7	-26.5	-26.7	-25.3	-25.0	-25.2	-24.9	-26.3	-27.4	-26.0	-24.6	-24.0	-21.0	-21.0	-20.3	-21.5	-22.6	-23.8	-23.5	-22.9	-23.1	-23.0	-23.7
20	-24.9	-24.7	-25.6	-25.8	-26.0	-26.1	-26.1	-25.7	-25.5	-24.6	-23.6	-23.2	-21.6	-19.8	-18.8	-18.7	-19.1	-19.5	-20.0	-20.9	-21.6	-21.9	-22.6	-22.9
21	-23.2	-23.4	-23.2	-23.5	-23.5	-23.2	-23.8	-23.6	-23.6	-23.0	-22.0	-21.0	-19.9	-19.0	-17.9	-17.0	-17.2	-17.3	-17.3	-17.3	-17.3	-17.2	-16.9	-17.0
22	-17.7	-17.7	-18.0	-18.8	-19.3	-19.6	-19.8	-19.5	-20.4	-20.8	-18.2	-16.4	-15.1	-15.1	-14.0	-13.4	-13.3	-13.0	-13.0	-12.8	-13.0	-12.8	-13.0	-12.2
23	-11.2	-11.0	-10.9	-9.5	-9.5	-8.4	-7.0	-3.4	-3.8	-3.6	-3.6	-3.4	-3.6	-3.7	-3.1	-2.6	-2.2	-2.8	-4.1	-4.0	-3.6	-4.5	-6.9	-8.0
24	-8.9	-9.4	-9.4	-9.9	-10.6	-10.7	-10.1	-10.0	-9.8	-11.6	-11.1	-10.7	-9.9	-9.3	-8.2	-7.6	-7.3	-7.5	-7.5	-9.5	-12.0	-13.5	-13.5	-14.8
25	-14.5	-12.2	-11.1	-11.5	-11.6	-12.2	-13.2	-14.3	-15.6	-16.4	-17.3	-18.1	-19.3	-19.8	-20.8	-21.0	-21.0	-22.6	-23.4	-24.9	-25.9	-26.6	-27.4	-28.1
26	-28.9	-29.2	-30.4	-30.4	-30.3	-30.7	-31.0	-31.1	-31.5	-31.8	-31.0	-30.0	-28.7	-27.7	-25.4	-24.0	-23.5	-26.0	-27.1	-28.0	-28.2	-28.4	-28.5	-28.9
27	-29.1	-29.4	-29.7	-29.6	-30.2	-30.5	-30.6	-30.8	-31.0	-30.2	-29.0	-27.0	-24.5	-23.0	-22.4	-22.5	-22.5	-22.0	-22.0	-22.6	-23.0	-23.0	-23.3	-22.3
28	-22.3	-22.8	-23.1	-24.2	-24.7	-25.1	-25.1	-25.3	-25.7	-25.3	-24.5	-23.4	-22.0	-20.6	-20.0	-20.0	-20.6	-20.9	-21.8	-21.8	-21.6	-21.7	-21.8	-21.9
29	-21.8	-22.7	-23.9	-23.5	-24.4	-24.9	-25.2	-25.3	-25.6	-25.9	-25.1	-23.5	-23.0	-22.0	-21.0	-20.5	-21.0	-20.5	-21.0	-21.4	-21.3	-22.1	-22.1	-22.8
30	-23.3	-23.4	-24.0	-24.5	-25.0	-26.0	-26.6	-27.1	-26.2	-24.6	-23.4	-22.4	-21.0	-19.8	-19.8	-19.5	-20.5	-20.5	-20.5	-21.4	-21.1	-20.8	-21.1	-20.6
31	-20.2	-20.0	-20.0	-19.9	-20.0	-20.0	-20.6	-21.0	-21.5	-21.1	-21.0	-20.9	-20.2	-20.0	-19.6	-20.0	-20.0	-21.2	-22.5	-24.4	-25.0	-25.5	-26.5	-27.1

MEAN -20.7 -20.9 -21.2 -21.5 -21.9 -22.3 -22.3 -22.5 -22.6 -21.9 -21.7 -20.5 -19.6 -19.0 -18.5 -18.8 -19.3 -19.8 -20.0 -20.1 -20.3 -20.7 -21.0

HOURLY WEATHER TEMPERATURES AT WINNIPEG INTERNATIONAL AIRPORT FOR THE MONTH OF JANUARY

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.	-17.8	-17.8	-17.4	-17.3	-17.4	-18.7	-17.0	-17.7	-17.5	-18.8	-18.1	-17.5	-16.0	-14.3	-12.0	-12.0	-11.0	-10.8	-10.1	-10.0	-10.3	-11.5	-12.6	-13.7
2.	-12.4	-11.9	-12.5	-13.5	-13.5	-14.0	-12.3	-11.5	-10.9	-12.0	-12.5	-12.0	-11.7	-11.4	-11.9	-11.5	-12.5	-12.5	-12.5	-12.5	-13.2	-14.2	-14.2	-13.4
3.	-14.1	-13.9	-13.8	-13.7	-13.7	-14.4	-14.3	-14.2	-15.7	-17.0	-16.9	-17.1	-17.0	-16.4	-16.3	-15.5	-16.0	-18.5	-20.2	-18.5	-18.5	-19.5	-21.5	-20.8
4.	-21.5	-22.2	-23.1	-25.2	-25.0	-24.8	-25.2	-26.1	-25.3	-23.5	-21.2	-21.0	-21.0	-20.6	-20.6	-21.5	-22.0	-23.8	-25.7	-24.8	-22.8	-23.2	-22.2	-22.0
5.	-21.9	-22.6	-22.3	-22.5	-22.6	-22.9	-23.3	-23.6	-23.9	-24.2	-24.4	-24.8	-24.8	-24.5	-24.2	-24.2	-24.0	-23.9	-23.3	-22.9	-22.2	-21.6	-21.1	-20.8
6.	-20.5	-20.0	-19.8	-19.9	-19.6	-20.2	-19.2	-19.1	-19.0	-18.6	-18.7	-18.3	-17.6	-17.6	-17.5	-16.8	-16.5	-16.2	-15.8	-15.8	-15.6	-15.3	-15.2	-15.0
7.	-15.0	-15.0	-16.4	-16.9	-17.9	-18.0	-18.5	-18.9	-19.4	-19.5	-19.5	-19.5	-20.6	-20.6	-20.7	-21.4	-22.2	-23.1	-22.2	-23.4	-23.9	-24.1	-24.4	-24.4
8.	-24.8	-25.0	-25.2	-25.6	-26.9	-26.3	-26.6	-27.5	-28.1	-28.9	-28.6	-28.2	-27.6	-26.8	-26.1	-25.9	-26.1	-26.8	-27.0	-27.0	-26.5	-25.8	-27.1	-28.0
9.	-28.1	-29.7	-30.1	-30.1	-30.1	-31.0	-31.9	-31.8	-32.8	-32.8	-31.5	-30.9	-29.9	-28.0	-27.2	-26.3	-26.1	-26.5	-27.5	-28.1	-28.2	-27.9	-28.0	-28.9
10.	-29.4	-29.8	-29.5	-30.7	-31.1	-31.5	-31.2	-31.7	-31.2	-30.2	-28.9	-26.6	-25.6	-24.2	-22.1	-21.2	-22.6	-22.6	-21.3	-20.9	-21.7	-21.8	-20.9	-21.7
11.	-21.8	-20.6	-20.0	-19.4	-19.6	-19.7	-19.9	-19.7	-20.4	-21.2	-19.5	-18.8	-17.9	-17.0	-16.9	-16.2	-17.4	-17.4	-18.6	-19.9	-20.6	-20.8	-21.2	-21.7
12.	-21.8	-21.8	-21.6	-22.0	-21.5	-21.2	-21.3	-21.7	-21.8	-20.4	-19.2	-18.0	-17.0	-15.9	-15.0	-14.3	-14.9	-14.5	-16.1	-16.5	-16.5	-17.0	-17.0	-16.4
13.	-15.2	-17.5	-19.2	-20.0	-21.3	-22.0	-22.6	-22.5	-22.0	-21.3	-20.9	-20.5	-19.5	-18.3	-18.9	-18.1	-18.6	-20.4	-20.7	-20.1	-20.7	-20.4	-20.4	-18.8
14.	-14.3	-16.4	-17.1	-17.9	-19.1	-20.4	-20.4	-20.5	-21.1	-21.8	-21.0	-19.9	-18.8	-17.9	-17.3	-16.4	-16.1	-16.0	-16.0	-16.0	-16.0	-16.0	-16.0	-16.2
15.	-17.0	-17.6	-18.2	-19.1	-21.2	-20.3	-19.4	-18.5	-18.0	-18.4	-19.4	-19.2	-19.5	-20.3	-20.4	-21.1	-21.8	-24.0	-24.6	-25.9	-26.9	-27.1	-28.5	-30.0
16.	-29.7	-30.0	-31.1	-30.9	-31.5	-32.3	-32.5	-33.3	-32.6	-29.9	-29.1	-28.7	-26.6	-25.5	-25.0	-24.6	-26.0	-27.0	-28.0	-27.9	-27.6	-27.7	-28.3	-28.2
17.	-28.2	-28.1	-28.7	-28.3	-28.3	-28.8	-28.9	-28.5	-28.2	-28.4	-27.5	-26.5	-25.4	-24.0	-22.5	-21.0	-20.1	-19.4	-19.2	-18.5	-17.5	-17.2	-18.2	-18.7
18.	-18.2	-18.6	-21.8	-22.1	-23.7	-25.6	-26.8	-27.3	-27.3	-27.6	-28.2	-27.5	-27.1	-26.4	-25.5	-25.8	-25.4	-25.3	-25.1	-25.0	-24.3	-22.9	-24.2	-25.4
19.	-26.0	-26.7	-26.5	-26.7	-25.4	-25.1	-25.3	-25.0	-26.3	-27.4	-26.0	-24.6	-24.0	-21.1	-21.1	-20.5	-21.7	-22.8	-23.9	-23.6	-23.0	-23.2	-23.1	-23.8
20.	-24.9	-24.7	-25.6	-25.6	-26.0	-26.1	-26.1	-25.7	-25.6	-24.8	-23.8	-23.4	-21.7	-20.0	-19.0	-18.9	-19.3	-19.7	-20.1	-21.0	-21.7	-22.0	-22.6	-22.9
21.	-23.2	-23.4	-23.2	-23.6	-23.5	-23.3	-23.6	-23.7	-23.1	-22.1	-21.1	-20.0	-19.2	-18.1	-17.2	-17.4	-17.4	-17.4	-17.4	-17.4	-17.4	-17.3	-17.0	-17.1
22.	-17.8	-17.7	-18.1	-18.8	-19.3	-19.6	-19.9	-19.6	-20.5	-20.8	-18.2	-16.4	-15.2	-15.3	-14.2	-13.5	-14.0	-13.5	-13.2	-13.0	-13.1	-13.0	-13.1	-12.4
23.	-11.4	-11.3	-11.2	-9.8	-9.8	-8.8	-7.4	-3.9	-4.6	-4.3	-4.5	-4.4	-4.8	-4.8	-4.3	-3.7	-3.5	-3.8	-5.1	-5.0	-4.6	-4.5	-7.0	-8.2
24.	-9.6	-10.1	-10.0	-10.5	-11.1	-11.2	-10.4	-10.3	-10.2	-11.9	-11.4	-11.1	-10.2	-9.6	-8.6	-8.1	-7.9	-7.6	-7.7	-9.5	-12.1	-13.6	-13.6	-14.9
25.	-14.6	-12.4	-11.2	-11.6	-11.7	-12.3	-13.3	-14.4	-15.7	-16.5	-17.4	-18.2	-19.3	-19.8	-20.9	-21.1	-21.1	-22.8	-23.5	-25.0	-25.9	-26.6	-27.4	-28.1
26.	-28.8	-29.0	-29.3	-30.1	-30.3	-30.7	-31.0	-31.1	-31.5	-31.6	-31.0	-30.0	-28.7	-27.7	-25.4	-24.0	-23.5	-22.2	-22.0	-22.6	-23.0	-23.4	-23.5	-26.8
27.	-29.1	-29.1	-29.4	-29.7	-29.6	-30.2	-30.5	-30.6	-30.8	-31.0	-30.2	-28.0	-27.0	-24.5	-23.2	-22.4	-22.5	-22.2	-22.0	-22.6	-23.0	-23.0	-23.3	-22.3
28.	-23.3	-22.8	-23.1	-24.2	-24.7	-25.1	-25.1	-25.3	-25.7	-25.3	-24.5	-23.5	-22.0	-20.7	-20.4	-20.1	-20.0	-20.8	-21.0	-21.9	-21.7	-21.8	-21.9	-22.0
29.	-21.9	-22.8	-24.0	-23.6	-24.4	-24.9	-25.2	-25.3	-25.6	-25.9	-25.2	-23.5	-23.1	-22.0	-21.1	-20.6	-21.1	-20.6	-21.1	-21.5	-21.4	-22.2	-22.2	-22.9
30.	-23.4	-23.4	-24.0	-24.5	-25.0	-26.0	-26.6	-27.1	-26.2	-24.6	-23.4	-22.5	-21.2	-20.1	-19.8	-20.6	-20.6	-20.6	-20.6	-21.5	-21.1	-20.8	-21.1	-20.7
31.	-20.3	-20.0	-20.0	-19.9	-20.0	-20.0	-20.6	-21.0	-21.5	-21.5	-21.2	-21.2	-21.0	-20.3	-20.1	-19.8	-20.1	-21.4	-22.6	-24.4	-25.0	-25.5	-26.5	-27.1

MEAN	-20.8	-20.9	-21.3	-21.6	-22.0	-22.3	-22.4	-22.4	-22.6	-22.7	-22.0	-21.3	-20.6	-19.7	-19.1	-18.7	-19.0	-19.5	-19.9	-20.1	-20.2	-20.4	-20.8	-21.0
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1978

INTERNATIONAL AIRPORT FOR THE MONTH OF JANUARY

ABSTRACT OF THE WIND AT WINNIPEG INTERNATIONAL AIRPORT FOR THE MONTH OF JANUARY
 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	HOUR
1	WNW 9	W 11	W 11	WSW 13	WSW 19	WSW 20	WSW 19	WSW 15	WSW 15	WSW 17	WSW 19	WSW 13	WSW 17	WSW 24	WSW 26	WSW 26	WSW 24	WSW 22	WSW 22	WSW 26	WSW 30	WSW 28	WSW 28	WSW 24	NW 43	19 CST
2	NW 17	NW 19	NW 20	NW 24	NW 19	NW 17	NW 17	NW 15	NW 15	NW 22	NW 22	NW 19	NW 17	NW 15	NW 15	NW 15	NW 15	NW 13	NW 13	NW 15	NW 13	NW 7	NW 9	NW 11	NW 32	04 CST
3	SSW 17	S 17	S 19	SSE 19	S 19	S 19	S 15	S 15	S 15	S 17	S 17	SSE 17	S 17	S 24	S 26	S 26	S 24	S 22	S 22	S 26	S 30	S 28	S 28	S 24		
4	NNW 24	NW 17	NW 15	NW 9	NW 13	NW 7	NW 11	NW 11	NW 11	NW 11	NW 11	NW 9	NW 7	NW 7	NW 7	NW 9	NW 7	NW 7	NW 7	NW 9	NW 7	NW 9	NW 7	NW 13		
5	NE 9	NE 15	NE 17	ENE 17	ENE 19	ENE 20	ENE 19	ENE 20	ENE 24	ENE 22	ENE 22	ENE 19	ENE 22	ENE 22	ENE 22	ENE 22	ENE 20	ENE 24	ENE 24	ENE 24	ENE 24	ENE 24	ENE 26	ENE 24		
6	ENE 24	ENE 24	ENE 24	ENE 24	ENE 24	ENE 24	ENE 24	ENE 24	ENE 24	ENE 24	ENE 24	ENE 24	ENE 24	ENE 24	ENE 24	ENE 24	ENE 24	ENE 24	ENE 24	ENE 24	ENE 24	ENE 24	ENE 24	ENE 24	ENE 32	06 CST
7	NNF 6	NNW 6	NNW 7	NNW 19	NNW 26	NNW 24	NNW 26	NNW 28	NNW 31	NNW 33	NNW 31	NNW 31	NNW 31	NNW 35	NNW 39	NNW 35	NNW 30	NNW 28	NNW 28	NNW 28	NNW 24	NNW 22	NNW 26	NNW 28	NW 44	15 CST
8	NNW 31	NNW 30	NNW 28	NNW 20	NNW 26	NNW 26	NNW 22	NNW 24	NNW 22	NNW 24	NNW 22	NNW 20	NNW 22	NNW 24	NNW 19	NNW 17	NNW 17	NNW 19	NNW 24	NNW 24	NNW 22	NNW 20	NNW 19	NNW 19	NNW 35	01 CST
9	NNW 15	NNW 17	NNW 15	NNW 19	NNW 15	NNW 11	NNW 7	NNW 7	NNW 13	NNW 15	NNW 13	NNW 13	NNW 13	NNW 15	NNW 15	NNW 15	NNW 15	NNW 15	NNW 15	NNW 17	NNW 15	NNW 15	NNW 15	NNW 15		
10	NNW 15	NNW 15	NNW 15	NNW 19	NNW 15	NNW 17	NNW 9	NNW 15	NNW 13	NNW 7	NNW 7	NNW 9	NNW 15	NNW 17	NNW 19	NNW 20	NNW 19	NNW 20	NNW 20	NNW 20	NNW 19	NNW 20	NNW 20	NNW 11		
11	WSW 15	WSW 19	WSW 20	WSW 19	WSW 17	WSW 15	WSW 13	WSW 13	WSW 7	WSW 11	WSW 13	WSW 9	WSW 11	WSW 9	WSW 7	WSW 7	WSW 15	WSW 17	WSW 13	WSW 11	WSW 15	WSW 11	WSW 13	WSW 13		
12	S 11	S 11	S 11	SSE 11	SSE 13	SSE 13	SSE 7	SSE 9	SSE 11	SSE 15	SSE 15	SSE 15	SSE 15	SSE 15	SSE 11	SSE 13	SSE 13	SSE 17	SSE 17	SSE 19	SSE 15	SSE 15	SSE 15	SSE 17		
13	NE 22	NE 15	NE 17	NE 22	NE 19	NE 22	NE 20	NE 17	NE 13	NE 15	NE 15	NE 11	NE 13	NE 19	NE 15	NE 19	NE 11	NE 11	NE 11	NE 15	NE 7	NE 6	NE 0	NE 6		
14	S 13	S 15	S 11	S 13	S 17	S 15	S 15	S 20	S 20	S 19	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		
15	NNW 24	NNW 22	NNW 20	NNW 28	NNW 19	NNW 26	NNW 26	NNW 24	NNW 31	NNW 22	NNW 22	NNW 28	NNW 33	NNW 30	NNW 30	NNW 26	NNW 17	NNW 22	NNW 22	NNW 22	NNW 19	NNW 22	NNW 22	NNW 22	N 43	10 CST

