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MONTHLY METEOROLOGICAL SUMMARY SOMMAIRE MÉTÉOROLOGIQUE MENSUEL

MONTH/MOIS November / Novembre

1976

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

LAT: 49° 54' N		LONG: 97° 14' W		ELEVATION: 786 FEET (ASL) ALTITUDE: 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 HEURES EFFECTIVES		
	MAXIMUM MAXIMALE	MINIMUM MINIMALE	MEAN MOYENNE	HEATING DE CHAUFFE BASE 18.0°C	GROWING DE CROISSANCE BASE 5.0°C	MAXIMUM MAXIMALE	MINIMUM MINIMALE		RAINFALL PLUIE (HAUTEUR) mm	SNOWFALL NEIGE (HAUTEUR) cm	TOTAL PRECIP. PRECIP. TOTALE mm		AVERAGE SPEED VITESSE MOYENNE km/h	PREVAILING DIRECTION DIRECTION DOMINANTE	MAXIMUM SPEED AND DIRECTION VITESSE MAXIMALE ET DIRECTION			
	°C	°C	°C			%	%											
1	13.3	3.4	8.4	9.6	3.4	59	27		Tr.				24.7	S	NW	44	2.4	
2	6.6	-0.7	3.0	15.0	0.0	64	26			Tr.			36.7	W	WNW	56	0.9	
3	0.0	-6.7	-3.4	21.4	0.0	85	58			Tr.			33.8	NNW	NNW	46	0.0	
4	1.1	-5.5	-2.2	20.2	0.0	89	53						21.7	S	S	35	2.1	
5	10.0	-4.8	2.6	15.4	0.0	73	25						23.4	NW, WNW	WNW	41*	8.4	
6	-0.8	-14.0	-7.4	25.4	0.0	80	35						23.0	NW	NW	37	7.6	
7	-3.3	-17.8	-10.6	28.6	0.0	81	40						14.7	SSE	SSE	30	8.2	
8	5.9	-5.4	0.3	17.7	0.0	69	42						24.3	SSE	SSE	37*	4.9	
9	3.1	-6.1	-1.5	19.5	0.0	80	61		Tr.	Tr.			29.8	N	NNW	48	0.9	
10	-4.6	-13.3	-9.0	27.0	0.0	90	43		Tr.	Tr.			23.1	NW	NNW	37*	7.8	
11	-4.9	-15.0	-10.0	28.0	0.0	85	69			0.3	Tr.		20.8	NW	NW	28	2.6	
12	-0.6	-11.3	-6.0	24.0	0.0	88	30						18.7	WSW	WSW	28	8.5	
13	4.7	-9.1	-2.2	20.2	0.0	69	23						20.1	SW	SW	31	8.8	
14	5.1	-12.4	-3.7	21.7	0.0	77	33						8.7	SW	SW	17	8.7	
15	7.7	-12.6	-2.5	20.5	0.0	79	32						10.2	SW	SW	17	8.6	
16	7.1	-8.8	-0.9	18.9	0.0	69	35						18.6	S	SSW	28	8.4	
17	6.0	-4.3	0.9	17.1	0.0	83	39						21.4	WSW, WNW	WNW	37*	3.1	
18	7.7	-1.7	3.0	15.0	0.0	65	30		Tr.	Tr.			33.6	WNW	WNW	46*	6.7	
19	1.7	-10.1	-4.2	22.2	0.0	91	60						17.4	NW	NW	26*	3.2	
20	1.1	-10.1	-4.5	22.5	0.0	92	68			Tr.	Tr.		14.6	NNW	NNW	35	0.2	
21	-2.0	-7.6	-4.8	22.8	0.0	88	74			Tr.	Tr.	Tr.	26.2	NNW	NNW	33*	0.0	
22	-5.6	-14.0	-9.8	27.8	0.0	88	67			Tr.	Tr.	Tr.	19.3	NNW	NNW	28*	0.0	
23	-3.8	-14.9	-9.4	27.4	0.0	91	68			0.3	Tr.	Tr.	14.7	S	SSW	28	1.4	
24	2.3	-6.8	-2.3	20.3	0.0	90	68			Tr.	Tr.	Tr.	12.5	S,SSW	W	19	0.9	
25	3.3	-7.8	-2.3	20.3	0.0	96	63		Tr.	0.8	0.8	0	17.2	W,WNW	N	37	5.6	
26	-7.1	-25.4	-16.3	34.3	0.0	87	61			Tr.	Tr.	Tr.	19.4	NNW	NNW	37	6.3	
27	-17.6	-25.1	-21.4	39.4	0.0	94	64			Tr.	Tr.	Tr.	13.7	WNW	WNW	22*	4.7	
28	-12.6	-22.9	-17.8	35.8	0.0	86	67			.3	Tr.	Tr.	17.2	WNW	NNW	28	5.9	
29	-16.3	-26.1	-21.2	39.2	0.0	88	75			Tr.	Tr.	Tr.	15.5	NW	NW	22	6.0	
30	-12.3	-26.7	-19.5	37.5	0.0	86	71			Tr.	Tr.	Tr.	14.6	WNW, NW	NW	28	6.9	
31																		
MEAN MOYENNE	-0.2	-11.5	-5.9	TOTAL 714.7	TOTAL 3.4	82	50	TOTAL 0.0	TOTAL Tr.	TOTAL 1.7	TOTAL 0.8		20.3	PREVAILING NW DOMINANTE	MAXIMUM WNW	56	TOTAL 139.7	
NORMAL NORMALE	-0.5	-8.4	-4.4	670.0	4.4			0.0	7.1	21.3	27.2		20.3	S			81.2	
DEGREE-DAY SUMMARY - SOMMAIRE DE DEGRÉS-JOURS											DAYS WITH TOTAL PRECIPITATION: JOURS AVEC PRÉCIPITATIONS TOTALES: mm				DAYS WITH SNOWFALL: JOURS AVEC CHÔTE DE NEIGE: 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	1.0 OR MORE	2.0 OR MORE	50.0 OR MORE	0.2 OR MORE	1.0 OR MORE	2.0 OR MORE	10.0 OR MORE	50.0 OR MORE		
TOTAL FOR MONTH TOTAL DU MOIS	714.7	598.4	670.0	TOTAL FOR MONTH TOTAL DU MOIS	3.4	28.9	4.4	OU PLUS	OU PLUS	OU PLUS	OU PLUS	OU PLUS	OU PLUS	OU PLUS	OU PLUS	OU PLUS		
ACCUMULATED SINCE JULY 1 ACCUMULÉE DEPUIS LE 1 ^{er} JUILLET	1391.0	1235.7	1254.5	ACCUMULATED SINCE APRIL 1 ACCUMULÉE DEPUIS LE 1 ^{er} AVRIL	1886.4	1794.0	1802.9	1	0	0	0	0	4	0	0	0		

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

COMPARATIVE RECORDS RELEVÉS COMPARATIFS		MONTH NOVEMBER / NOVEMBRE										19 76	
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	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		13.3	1	23.9	5	10.6	23.9	5	1975	2.2	5	1972	105
LOWEST TEMPERATURE TEMPÉRATURE LA PLUS BASSE		-26.7	30	-25.4	30	-21.7	-7.8	12	1899	-36.7	28	1875	105
MEAN MONTHLY TEMPERATURE TEMPÉRATURE MENSUELLE MOYENNE		-5.9		-2.0		-4.4	1.3		1923	-13.9		1896	105
TOTAL MONTHLY RAINFALL HAUTEUR TOTALE MENSUELLE DE PLUIE		Tr.		2.3		7.1	62.2		1918	Nil	(Several)		105
TOTAL MONTHLY SNOWFALL HAUTEUR TOTALE MENSUELLE DE NEIGE		1.7		15.5		21.3	80.3		1955	Tr.		1928	105
TOTAL MONTHLY PRECIPITATION PRÉCIPITATION TOTALE MENSUELLE		0.8		13.0		27.2	90.2		1955	0.8		1976	105
NO OF DAYS WITH MEASURABLE PRECIPITATION NOMBRE DE JOURS AVEC PRÉCIPITATION MESURABLE		1		4		10	20		1955	1		1976 1901	93
GREATEST RAINFALL IN ONE DAY HAUTEUR DE PLUIE MAXIMALE EN UNE JOURNÉE		Tr.		2.3	7		44.5	17	1918				105
GREATEST SNOWFALL IN ONE DAY HAUTEUR DE NEIGE MAXIMALE EN UNE JOURNÉE		.8	25	9.9	29		31.0	10	1919				105
GREATEST PRECIPITATION IN ONE DAY PRÉCIPITATION MAXIMALE EN UNE JOURNÉE		.8	25	7.4	29		44.5	17	1918				105
MAXIMUM RAINFALL RECORDED IN: HAUTEUR DE PLUIE MAXIMALE ENREGISTRÉE EN:													
5 MINUTES		Tr.	1,18, 25	1.0	7		1.3	14	1971				8
10 MINUTES		Tr.	1,18, 25	1.3	7		1.8	14	1971				8
15 MINUTES		Tr.	1,18, 25	1.5	7		2.0	14	1971				8
30 MINUTES		Tr.	1,18, 25	2.3	7		2.8	14	1971				8
60 MINUTES		Tr.	1,18, 25	2.3	7		3.8	14	1971				8
24 CONSECUTIVE HOURS HEURES CONSECUTIVES		Tr.	1,18, 25	2.3	7		44.5	17	1918				105
MEAN WIND SPEED (km/h) VITESSE MOYENNE DU VENT (km/h)		20.3		16.4		20.3	25.4		1953	13.7		1972	56
MAXIMUM SPEED (1 min.) (km/h) VITESSE MAXIMALE (1 min.) (km/h)		WNW 56	2	NNE 40 S 40	11 13		NW 80	5	1952				38
MAXIMUM GUST SPEED (km/h) POINTE DU VENT MAXIMALE (km/h)		WNW 78	2	S 66	13		NNW 124	21	1960				31
TOTAL HOURS OF SUNSHINE TOTAL DES HEURES INSOLATION		139.7	1976	122.9		81.2	139.7		1976	25.1		1944	77
MEAN STATION PRESSURE (kPa) PRESSION MOYENNE À LA STATION (kPa)		98.7		98.7		98.6	99.2		1943	98.2		1949	38
GREATEST STATION PRESSURE (kPa) PRESSION MAXIMALE À LA STATION (kPa)		100.6	12	100.8	24		101.5	24	1939				38
LEAST STATION PRESSURE (kPa) PRESSION MINIMALE À LA STATION (kPa)		96.4	18	96.9	29					94.6	20	1962	38
CLIMATOLOGICAL DATA FOR THE PAST DONNÉES CLIMATOLOGIQUES POUR LES													TEN YEARS DERNIÈRE ANNÉES
YEAR ANNÉE	MAXIMUM TEMP. MAXIMALE	MINIMUM TEMP. MINIMALE	MEAN TEMP. MOYENNE	RAINFALL HAUTEUR DE PLUIE	SNOWFALL HAUTEUR DE NEIGE	TOTAL PRECI. TOTALE	MEAN WINDSPEED VITESSE MOYENNE DES VENTS	MAXIMUM WINDSPEED VITESSE MAXIMALE DES VENTS	HOURS SUNSHINE HEURES INSOLATION	HEATING DEGREES-DAYS DE CHAUFFE	GROWING DEGREES-DAYS DE CROISSANCE		
1967	9.4	-21.7	-3.6	3.0	13.0	14.7	20.9	SE 56	80.4	645.0	.6		
1968	9.4	-18.3	-2.4	Tr.	5.3	3.8	19.5	S 48	73.5	608.3			
1969	14.4	-18.9	-3.3	.3	11.7	9.4	18.5	NW 51	87.9	633.9	5.0		
1970	11.7	-23.3	-4.7	14.2	16.8	26.7	17.5	S 56	70.3	678.3			
1971	4.4	-23.9	-5.6	5.3	18.8	22.4	16.4	S 48	74.3	704.4			
1972	2.2	-21.7	-6.7	1.0	17.0	10.4	13.7	NNW 42	51.6	737.2			
1973	3.3	-21.7	-7.5	6.9	37.1	40.1	16.6	W 42 S 42	77.6	760.6			
1974	11.7	-18.3	-3.3	.8	10.4	5.6	18.5	NW 45	87.8	635.6	2.2		
1975	23.9	-25.4	-2.0	2.3	15.5	13.0	16.4	S 40 NNE 40	122.9	598.4	28.9		
1976	13.3	-26.7	-5.9	Tr.	1.7	0.8	20.3	WNW 56	139.7	714.7	3.4		

This November was the sunniest and driest on record at Winnipeg. The sunny dry weather extended the fall drought period to 47 consecutive days without measurable precipitation, which is the longest dry period on record. The previous longest dry spell was 33 days October 26 to November 27 back in 1904.

Sunshine totalled 139.7 hours which is seven hours longer than the previous November record sunshine of 132.4 hours in 1946. It brings 1976 sunshine to 2474 hours which is a new annual record duration with December sunshine yet to be added.

November 25 was the only day with measurable precipitation. Normally ten days have precipitation in November and this one day equals the record for least November precipitation days. Water equivalent of rain and snow amounted to only 0.8 mm which is the lowest on record. Dry November air also registered the lowest average vapour pressure and relative humidity on record and prevailing winds were out of the northwest instead the usual southerly direction. The Red River froze over November 20th and the Assiniboine River on December 2.

DAILY WEATHER SUMMARY FOR NOVEMBER 1976AT WINNIPEG, MANITOBA

1. Mild. Mostly cloudy. Rain showers 9:19 p.m. to 9:27 p.m. Gusty WNW winds in evening.
2. Above normal temperatures. Cloudy. Flurries or snow pellets 11:42 a.m. to 10:08 p.m. Strong gusty northwesterly winds.
3. Below normal temperatures. Cloudy. Snowflurries 10:52 a.m. to 11:35 a.m. Strong gusty north-northwest winds.
4. Below normal temperatures. Partly cloudy. Gusty south winds late afternoon and evening.
5. Above normal temperatures. Mostly sunny. Gusty northwest wind in afternoon.
6. Cold. Mostly sunny. Gusty northwest wind in afternoon.
7. Cold. Sunny. Winds light except gusty south winds late evening.
8. Above normal temperatures. Partly cloudy. Gusty south winds in morning.
9. Near normal temperatures. Cloudy. Snowflurries 6:05 a.m. to 1:10 p.m., 8:35 p.m. to 10:20 p.m. Gusty north-northwest winds in morning.
10. Cold. Partly cloudy. Snowflurries 6:07 a.m. to 9:19 a.m. Gusty north-northwest wind in the afternoon.
11. Cold. Mostly cloudy. Snowflurries 6:08 a.m. to 12:25 p.m., 3:20 p.m. to 3:45 p.m., 7:05 p.m. to 7:52 p.m. Light winds.
12. Below normal temperatures. Cloudy in morning then clear. Gusty west wind in afternoon otherwise light.
13. Above normal temperatures. Mostly sunny. Gusty southwest wind in morning otherwise light.
14. Near normal temperatures. Sunny. Light winds.
15. Above normal temperatures. Sunny. Light winds.
16. Above normal temperatures. Sunny. Gusty south wind in morning.
17. Mild. Partly cloudy. Gusty northwest winds mid-day.
18. Mild. Mostly sunny. Rain showers 4:50 to 5:10 a.m. Strong gusty west-northwest winds.
19. Above normal temperatures. Sunny becoming cloudy late morning then clear at night except for smoke aloft. Winds light except northwest gust early morning. East of Winnipeg, two killed, several injured in traffic accidents caused by heavy smoke severely reducing visibility.
20. Above normal temperature. Cloudy. Smoke 3:20 a.m. to 12:37 p.m. Snowflurries 9:17 a.m. to 11:28 a.m., 10:10 p.m. to 11:27 p.m. Winds light except north-northwest gusts in afternoon. Icy roads.
21. Above normal temperatures. Cloudy. Light snow 00:03 a.m. continued all day. Gusty north-northwest wind in afternoon.
22. Below normal temperatures. Cloudy. Flurries to 4:35 p.m., 7:48 p.m. to 8:14 p.m. Winds light except north-northwest gust near noon.
23. Near normal temperatures. Mostly cloudy. Snow 2:51 p.m. continued. Visibility restricted in afternoon. Winds light except south-southwest gust in afternoon.
24. Mild. Cloudy. Snowflurries to 0:15 a.m. Light winds.
25. Mild. Partly cloudy. Rain showers 8:40 p.m. to 8:45 p.m. Light snow 8:50 p.m. continued. Winds light except gusty north wind late evening.
26. Cold. Partly cloudy. Snowflurries to 1:28 a.m., 12:29 p.m. to 3:15 p.m. Light winds except gusty north wind early morning.
27. Very cold. Partly cloudy. Ice crystals 4:22 a.m. to 7:45 a.m., 5:50 p.m. continued. Snowflurries 1:10 p.m. to 4:59 p.m. Gusty west wind in afternoon otherwise light.
28. Cold. Partly cloudy. Ice crystals to 7:45 a.m., 10:00 a.m. to 11:00 a.m., 7:53 p.m. to 11:24 p.m. Snowflurries 08:40 a.m. to 10:00 a.m., 12:45 p.m. to 2:25 p.m. Winds light except northwest gust in morning. Numerous traffic accidents due to icy roads
29. Cold. Mostly sunny. Ice crystals 8:06 a.m. to 2:31 p.m. 3:04 p.m. to 9:00 p.m. Light winds.
30. Cold. Sunny. Ice crystals 8:30 a.m. to 10:00 a.m. Winds light except northwest gust in afternoon.

HOURLY TEMPERATURES AT WINNIPEG INTERNATIONAL AIRPORT FOR THE MONTH OF NOVEMBER 1976
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.	4.4	5.2	5.7	5.8	5.8	4.4	4.4	4.4	4.4	3.7	5.0	6.1	8.9	9.0	11.6	12.4	12.5	12.1	11.6	10.4	9.5	8.8	8.9	6.7	7.5
2.	6.4	6.0	5.3	4.8	4.3	3.8	3.4	3.2	3.1	3.1	4.4	5.1	5.3	5.0	4.7	5.1	5.2	4.4	3.7	2.9	1.9	2.0	2.1	3.0	
3.	-1.1	-4.4	-4.4	-6.1	-9.1	-1.5	-2.1	-2.2	-2.7	-2.7	-2.8	-2.7	-2.8	-2.7	-2.2	-1.6	-2.3	-2.5	-2.9	-2.9	-4.5	-5.0	-6.2	-5.4	
4.	-4.6	-4.6	-5.0	-5.1	-5.0	-5.3	-5.2	-4.8	-5.0	-4.9	-4.9	-4.7	-3.8	-2.6	-1.1	-1.1	1.1	1.1	1.1	1.1	-1.1	-1.1	-1.1	-1.1	
5.	-7.1	-1.4	-1.5	-1.5	-1.5	-1.7	-2.5	-3.9	-4.6	0	5.6	7.8	8.9	8.9	9.5	9.6	8.9	7.7	4.6	-9.9	-4.4	-2.5	-3.1	-3.6	
6.	-3.7	-4.3	-4.4	-5.2	-6.2	-5.9	-7.0	-7.8	-7.3	-6.0	-3.4	-2.7	-2.1	-2.1	-1.8	-2.1	-1.1	-2.8	-5.7	-9.4	-10.9	-11.9	-13.7	-12.2	
7.	-12.2	-13.3	-13.5	-14.4	-15.9	-16.2	-15.7	-15.8	-16.6	-13.1	-9.7	-7.2	-5.6	-5.6	-5.0	-3.7	-3.8	-4.4	-7.0	-7.7	-7.2	-7.3	-6.7	-5.9	
8.	-4.9	-5.0	-4.6	-4.1	-3.9	-3.8	-4.2	-4.6	-4.4	-3.7	-3.2	-1.9	-4.4	-4.4	2.6	4.4	5.7	5.6	1.3	-1.0	1.1	1.8	2.2	2.9	
9.	2.8	2.2	1.8	1.8	1.6	1.9	1.3	1.1	1.1	-1.1	-2.3	-3.4	-3.5	-3.6	-3.2	-3.3	-3.6	-4.3	-5.4	-5.6	-5.6	-5.6	-5.6	-5.7	
10.	-5.9	-7.2	-7.8	-8.3	-9.7	-11.6	-11.9	-10.9	-9.8	-9.4	-7.6	-6.8	-6.1	-5.6	-5.4	-5.4	-5.0	-5.8	-7.8	-9.4	-10.0	-11.7	-11.2	-12.6	
11.	-12.2	-12.1	-12.8	-13.9	-13.9	-13.3	-11.6	-11.0	-11.0	-10.5	-9.8	-8.3	-7.8	-7.8	-6.7	-5.4	-5.4	-5.2	-5.6	-5.5	-6.2	-7.1	-6.7	-6.1	
12.	-6.1	-6.1	-6.1	-6.7	-6.9	-6.8	-7.1	-8.4	-11.1	-9.4	-7.4	-4.6	-2.7	-1.8	-1.8	-1.1	-6.1	-1.1	-2.3	-3.3	-4.3	-4.4	-5.5	-6.4	
13.	-7.3	-7.7	-8.2	-8.3	-8.9	-8.4	-8.9	-8.7	-8.2	-6.8	-4.0	-6.1	1.6	1.6	3.2	4.2	4.4	4.0	1.1	1.1	-1.6	-3.3	-3.8	-4.9	
14.	-6.6	-7.1	-6.7	-7.8	-8.2	-9.6	-9.8	-11.4	-12.4	-9.7	-6.7	-3.0	-8.8	1.6	1.6	3.8	4.8	4.4	4.4	4.4	-6.6	-6.0	-9.0	-8.3	
15.	-7.8	-8.3	-10.3	-9.7	-9.8	-10.2	-10.7	-11.2	-11.6	-9.9	-5.4	-1.7	1.3	4.8	4.8	6.7	7.3	6.3	3.7	2.3	-4.4	0	-1.7	-2.8	
16.	-4.4	-7.7	-7.1	-5.9	-6.6	-6.7	-7.8	-7.8	-7.8	-6.6	-3.5	0	2.6	4.9	5.7	6.6	6.6	6.6	3.9	2.9	3.6	2.8	4.4	1.6	
17.	6	-4	-1.8	-2.4	-2.9	-2.7	-1.7	-3	-2	8	1.1	4.6	5.4	4.9	4.3	3.9	3.9	0	-1.6	-2.9	-3.2	-2.6	-3.2	-2.1	
18.	-1.7	-3	-1	1.3	1.2	4	3.1	4.9	5.0	5.4	6.1	6.7	6.9	6.7	7.4	6.3	6.0	5.2	4.6	3.9	3.0	2.4	1.0	0.7	
19.	0.3	1.7	1.1	-6	-1.9	-1.7	-2.6	-3.8	-4.7	-3.4	-1.8	-6	-5	-1.1	-1.3	-1.1	-1.7	-5.0	-6.1	-6.8	-7.6	-6.1	-8.1	-8.6	
20.	-9.9	-8.2	-7.7	-7.3	-6.8	-7.1	-7.2	-7.2	-7.5	-6.8	-5.9	-3.9	-2.7	-1.1	-1.1	1.1	1.1	1.1	1.1	1.1	-2.8	-3.3	-2.2	-1.7	
21.	-2.2	-2.3	-2.3	-2.3	-2.3	-2.6	-2.7	-3.1	-3.3	-3.8	-3.8	-3.9	-3.9	-3.9	-3.7	-3.6	-4.0	-4.6	-5.5	-5.1	-5.5	-5.9	-6.4	-6.7	
22.	-7.4	-9.2	-8.2	-8.2	-8.3	-8.4	-8.3	-8.4	-8.6	-8.0	-7.2	-6.6	-6.0	-5.9	-6.6	-6.2	-6.7	-7.2	-7.4	-7.9	-8.2	-9.2	-12.2	-12.8	
23.	-13.8	-14.6	-14.7	-14.2	-13.7	-13.4	-13.8	-13.2	-12.8	-11.4	-10.3	-9.6	-7.7	-4.7	-4.7	-4.2	-5.0	-5.1	-4.9	-4.9	-5.0	-5.2	-5.4	-6.3	
24.	-6.7	-6.3	-6.1	-5.8	-5.6	-5.6	-6.0	-6.2	-6.0	-5.4	-4.3	-2.6	-1.4	3	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	
25.	7	-4	-1.0	-2.0	-1.8	-2.9	-2.4	-2.3	-3.3	-3.1	-1.2	6	2.2	2.2	1.9	2.3	1.1	2.8	4.1	5.5	6.2	3.4	-3.8	-6.7	
26.	-7.2	-8.0	-8.7	-11.3	-13.4	-15.1	-16.3	-17.7	-20.0	-19.1	-17.2	-16.1	-15.1	-15.4	-15.3	-15.7	-16.8	-21.2	-21.3	-22.8	-23.6	-22.9	-23.5	-24.9	
27.	-25.1	-24.6	-24.1	-23.9	-23.3	-23.4	-23.7	-23.1	-23.9	-22.9	-21.0	-19.4	-18.3	-18.3	-18.2	-18.3	-18.6	-18.9	-20.3	-21.4	-22.2	-22.8	-22.6	-22.5	
28.	-22.8	-21.1	-20.9	-20.2	-19.6	-20.3	-19.4	-17.2	-18.3	-16.6	-15.6	-14.7	-13.9	-13.3	-12.8	-13.3	-14.3	-15.7	-17.1	-18.0	-17.6	-17.0	-17.2	-17.1	
29.	-19.6	-21.1	-19.7	-21.2	-22.3	-23.3	-23.4	-24.1	-23.3	-21.9	-20.6	-19.3	-18.0	-17.6	-17.3	-16.6	-18.2	-22.8	-22.8	-23.9	-23.6	-25.0	-24.7	-24.6	
30.	-24.3	-24.4	-23.9	-24.6	-24.4	-24.0	-25.7	-26.3	-25.3	-24.4	-21.4	-19.4	-16.2	-13.1	-12.9	-13.2	-14.0	-15.6	-16.9	-17.2	-18.8	-17.7	-17.7	-17.4	

MEAN	-6.6	-6.9	-7.0	-7.3	-7.6	-7.9	-8.1	-8.2	-8.5	-7.4	-5.8	-4.2	-3.1	-2.1	-1.5	-1.4	-1.9	-4.0	-5.1	-5.9	-6.3	-6.4	-6.9	-7.1
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HOURLY WETBULB TEMPERATURES AT WINNIPEG INTERNATIONAL AIRPORT FOR THE MONTH OF NOVEMBER 1976
 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.	.6	1.1	1.6	1.7	1.1	1.1	1.1	1.2	1.0	1.7	2.6	4.4	4.4	6.1	6.7	6.9	6.8	6.6	5.7	4.4	3.4	3.6	2.9	2.9
2.	.6	.3	.1	-1	-6	-7	-1.1	-1.3	-1.3	-6	-1	.7	1.2	1.4	1.3	1.7	1.1	.2	-1.1	-7	-4	-9	-2.0	-2.3
3.	-2.8	-1.2	-2.8	-2.9	-3.2	-3.7	-4.0	-4.5	-4.1	-4.4	-4.4	-4.4	-4.3	-4.0	-3.6	-4.0	-4.1	-4.3	-4.3	-5.5	-5.9	-6.9	-6.8	-6.1
4.	-5.4	-5.3	-5.7	-5.6	-5.8	-5.9	-5.9	-5.3	-5.4	-5.4	-5.3	-4.6	-3.9	-2.9	-2.5	-2.1	-1.9	-2.1	-2.7	-3.0	-3.2	-3.4	-3.1	-3.2
5.	-3.4	-2.8	-3.9	-3.9	-3.9	-3.9	-4.5	-5.3	-5.7	-2.4	1.6	2.4	2.8	2.9	2.8	2.3	1.7	.1	-3.6	-2.8	-4.1	-4.6	-5.1	-4.9
6.	-5.0	-5.6	-6.2	-6.9	-6.7	-7.6	-8.3	-7.9	-6.8	-5.3	-5.0	-5.0	-5.0	-4.7	-5.3	-4.6	-6.1	-8.4	-11.3	-12.2	-13.1	-14.3	-12.8	-13.2
7.	-12.7	-13.9	-14.1	-14.9	-16.2	-16.5	-15.9	-16.1	-16.7	-13.5	-10.7	-8.9	-7.5	-7.0	-6.1	-6.6	-6.9	-8.3	-9.2	-8.8	-8.9	-8.4	-8.2	-7.6
8.	-7.0	-7.3	-7.1	-6.6	-6.4	-6.3	-6.7	-6.9	-6.8	-5.9	-5.8	-4.9	-2.9	-1.3	-1.3	1.7	1.7	-1.0	-2.7	-1.7	-1.5	-4	-1.1	-1.1
9.	.1	-1	-5	-2	-2	.1	.4	.4	-4	-2.3	-3.9	-5.1	-5.2	-5.3	-4.8	-5.1	-5.2	-5.7	-6.3	-6.4	-6.4	-6.3	-6.4	-6.5
10	-6.7	-7.8	-8.3	-8.9	-10.0	-11.6	-11.9	-10.9	-9.9	-9.6	-8.1	-7.8	-7.8	-7.6	-7.7	-7.5	-8.1	-8.8	-10.1	-10.6	-12.1	-12.0	-11.8	-12.9
11	-12.7	-12.4	-13.2	-14.1	-14.2	-13.4	-11.9	-11.2	-11.2	-10.7	-10.1	-8.9	-8.4	-7.7	-6.6	-6.6	-6.2	-6.7	-6.6	-7.3	-7.8	-7.4	-6.7	-6.6
12	-6.6	-6.4	-6.5	-7.0	-7.3	-7.3	-7.4	-8.8	-11.2	-9.9	-8.5	-6.2	-5.3	-5.1	-5.1	-4.7	-4.6	-5.0	-5.3	-5.9	-6.1	-6.9	-7.8	-8.5
13	-8.8	-8.7	-9.3	-9.4	-10.0	-9.7	-10.1	-9.9	-9.5	-8.5	-6.2	-3.4	-2.2	-1.8	-1.1	-1.1	-1.3	-3.1	-4.2	-5.3	-6.4	-6.8	-7.3	-7.9
14	-7.9	-8.2	-7.9	-8.7	-9.0	-10.3	-10.6	-12.0	-12.8	-10.6	-8.0	-5.2	-4.0	-2.3	-2.8	-2.8	-2.8	-4.8	-4.8	-7.7	-7.1	-9.6	-9.2	-9.8
15	-8.6	-9.0	-10.7	-10.2	-10.3	-10.7	-11.1	-11.6	-12.0	-10.6	-6.8	-4.1	-1.8	.5	1.6	1.8	1.1	-8	-1.7	-3.3	-2.6	-3.9	-4.4	-5.3
16	-6.1	-8.7	-8.2	-7.2	-7.8	-7.9	-8.8	-8.8	-8.9	-7.9	-5.7	-2.8	-3	.1	1.1	1.7	1.6	.2	-6	-4	-8	.0	-1.8	-2.4
17	-2.4	-3.4	-4.5	-4.9	-5.1	-5.0	-4.2	-3.2	-2.9	-4	-1.7	1.1	.9	.8	.6	.5	.7	-2.0	-3.6	-3.8	-3.9	-3.4	-4.0	-3.3
18	-3.0	-2.6	-2.5	-1.8	-1.9	-2.1	-1	1.8	2.2	2.2	2.2	2.4	1.7	1.1	1.7	1.1	.9	.6	.7	.6	-1.1	-4	-1.8	-1.6
19	-1.8	-.8	-1.0	-2.1	-3.1	-3.0	-3.7	-4.6	-5.2	-4.1	-3.1	-2.4	-2.7	-2.9	-2.9	-2.8	-3.3	-5.7	-6.7	-7.1	-7.8	-6.4	-8.2	-8.7
20	-9.9	-8.3	-7.9	-7.5	-7.1	-7.4	-7.5	-7.6	-7.8	-7.1	-6.1	-4.1	-3.1	-1.7	-1.1	-1.1	-1.4	-4.4	-2.8	-3.8	-4.0	-2.8	-2.3	-2.3
21	-2.9	-3.3	-3.2	-2.9	-3.0	-3.2	-3.3	-3.7	-3.9	-4.2	-4.4	-4.7	-4.8	-4.6	-4.7	-5.0	-5.6	-6.1	-6.1	-6.1	-6.2	-6.6	-6.8	-7.3
22	-7.9	-9.6	-8.9	-8.9	-8.8	-8.6	-8.6	-8.9	-9.1	-8.5	-7.9	-7.4	-7.2	-7.1	-7.4	-7.3	-7.6	-8.1	-8.2	-8.6	-8.7	-9.6	-12.4	-12.8
23	-13.8	-14.6	-14.7	-14.2	-13.7	-13.4	-13.7	-13.1	-12.7	-11.4	-10.3	-9.7	-8.2	-6.0	-5.6	-6.1	-5.9	-5.8	-5.7	-5.5	-5.7	-6.1	-6.2	-6.6
24	-6.9	-6.6	-6.3	-6.0	-5.9	-5.9	-6.2	-6.6	-6.3	-5.8	-4.8	-3.3	-2.4	-1.2	-1.1	.3	.4	.6	.6	-1.1	-1.4	-7	-1.1	-2
25	-.4	-1.3	-1.8	-2.7	-2.4	-3.3	-3.0	-2.8	-3.7	-4.0	-1.9	-.4	.2	.2	-.4	-.1	-1.1	-4.4	-4.8	-5.8	-6.5	-3.9	-3.8	-6.9
26	-7.8	-8.9	-9.6	-11.9	-13.8	-15.4	-16.7	-18.0	-20.2	-19.2	-17.6	-16.7	-15.7	-15.8	-15.6	-16.1	-17.2	-21.4	-21.3	-22.7	-23.6	-22.9	-23.5	-24.9
27	-25.1	-24.4	-24.0	-23.9	-23.2	-23.4	-23.7	-23.1	-23.9	-23.0	-21.0	-19.4	-18.7	-18.4	-18.6	-18.7	-19.1	-20.4	-21.5	-22.2	-22.8	-22.6	-22.9	-22.5
28	-22.8	-21.1	-20.9	-20.2	-19.6	-20.3	-19.4	-17.3	-18.3	-16.6	-15.6	-14.8	-14.1	-13.7	-13.2	-13.9	-14.8	-15.9	-17.2	-18.1	-17.7	-17.1	-17.3	-17.2
29	-19.6	-21.1	-19.6	-21.1	-22.2	-23.2	-23.3	-24.0	-23.3	-21.9	-20.6	-19.4	-18.1	-17.8	-17.5	-16.8	-18.2	-22.8	-22.8	-23.9	-23.5	-24.9	-24.7	-24.6
30	-24.3	-24.4	-23.9	-24.6	-24.4	-24.0	-25.7	-26.2	-25.2	-24.4	-21.4	-19.4	-16.2	-13.4	-13.2	-13.6	-14.2	-15.6	-16.9	-17.2	-18.9	-17.8	-17.9	-17.7

MEAN -7.9 -8.1 -8.3 -8.5 -8.7 -8.9 -9.1 -9.4 -8.4 -7.2 -6.0 -5.2 -4.6 -4.2 -4.1 -4.5 -6.0 -6.7 -7.3 -7.6 -7.7 -8.0 -8.2

ABSTRACT OF THE WIND AT WINNIPEG INTERNATIONAL AIRPORT FOR THE MONTH OF NOVEMBER 1976

ALL TIMES ARE C.S.T. KILOMETRES 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 GUST	HOUR	
1	SE	SE	SE	SE	SSE	SSE	SSE	SSE	SSE	S	S	S	S	S	SSW	SSW	SSW	WSW	WNW	NW	NW	NW	NW	NW	WNW	69	21 CST
2	W	W	W	W	WSW	WSW	W	W	W	W	WNW	WNW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	WNW	78	12 CST
3	NNW	NNW	NW	NW	NNW	NNW	NNW	NNW	NNW	N	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	63	05 CST
4	NW	NNW	NW	NNW	C	SW	S	SW	SSW	S	SSW	S	S	S	S	S	S	S	S	S	S	S	S	S	S	54	00 CST
5	S	S	S	SSW	S	SSW	SSW	W	W	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	57	16 CST
6	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	46	14 CST
7	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	44	00 CST
8	SSE	SSE	SSE	SSE	SSE	SE	SSE	SSE	SSE	S	S	S	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	54	05 CST
9	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	63	11 CST
10	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	48	14 CST
11	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	35	13 CST
12	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	46	10 CST
13	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	35	13 CST
14	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	46	10 CST
15	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	46	10 CST

16	SSW S	S	S	S	S	S	S	SSW S	SSW S	SSW W	WNW W	WNW W	W	WSW S*	WSW SW	WSW W	WSW	11 CST	SSW	33
17	WSW WSW	WSW W	W	W	W	W	WNW WNW	WNW WNW	WNW WNW	WNW WNW	WNW WNW	WNW WNW	WNW WNW	C	SSW SSW	S	S	12 CST	NW	63
18	S	SSE SSE	SSE S	SSW W	WNW WNW	W	W	WNW WNW	WNW WNW	WNW WNW	WNW WNW	WNW WNW	WNW WNW	WNW WNW	WNW WNW	WNW WNW	WNW WNW	13 CST	WNW	74
19	WNW WNW	NW	WNW NW	NW	WNW NW	WNW NW	WNW NW	WNW NW	WNW NW	WNW NW	WNW NW	WNW NW	WNW NW	ENE E	S	SSE SSE	S	03 CST	NW	37
20	SSF SSW	SSF SF	SE	ESE SE	WNW WNW	WNW WNW	WNW WNW	WNW WNW	WNW WNW	WNW WNW	WNW WNW	WNW WNW	WNW WNW	WNW WNW	WNW WNW	WNW WNW	WNW WNW	14 CST	WNW	41
21	NNW NNW	NNW NNW	NW	NW	NW	NW	NNW NNW	NNW NNW	NNW NNW	NNW NNW	NNW NNW	NNW NNW	NNW NNW	NNW NNW	NNW NNW	NNW NNW	NNW NNW	15 CST	NNW	44
22	NNW NNW	NNW NNW	NNW NNW	NNW NNW	NNW NNW	NNW NNW	NNW NNW	NNW NNW	NNW NNW	NNW NNW	NNW NNW	NNW NNW	NNW NNW	NNW NNW	NNW NNW	NNW NNW	NNW NNW	12 CST	NNW	32
23	WNW W	WSW W	WSW SSW	SSW S	S	S	SSW SSW	SSW SSW	SSW SSW	SSW SSW	SSW SSW	SSW SSW	SSW SSW	S	S	S	S	15 CST	SSW	37
24	S	S	S	SSE SSE	SSE S	S	SSW SSW	SSW SSW	SSW SSW	SSW SSW	SSW SSW	SSW SSW	SSW SSW	SSW SSW	SSW SSW	SSW SSW	SSW SSW	23 CST	N	52
25	W	W	W	W	WNW NW	WNW NW	WNW NW	WNW NW	WNW NW	WNW NW	WNW NW	WNW NW	WNW NW	WNW NW	WNW NW	WNW NW	WNW NW	01 CST	N	44
26	N	NNW NNW	NNW NNW	NNW NNW	NNW NNW	NNW NNW	NNW NNW	NNW NNW	NNW NNW	NNW NNW	NNW NNW	NNW NNW	NNW NNW	NNW NNW	NNW NNW	NNW NNW	NNW NNW	15 CST	WNW	32
27	NW	W	W	WNW NW	WNW NW	WNW NW	WNW NW	WNW NW	WNW NW	WNW NW	WNW NW	WNW NW	WNW NW	WNW NW	WNW NW	WNW NW	WNW NW	08 CST	NW	32
28	W	W	WSW WNW	W	WNW NW	WNW NW	WNW NW	WNW NW	WNW NW	WNW NW	WNW NW	WNW NW	WNW NW	WNW NW	WNW NW	WNW NW	WNW NW	16 CST	NW	33
29	NNW NW	NW	NW	NW	NW	NW	NNW NNW	NNW NNW	NNW NNW	NNW NNW	NNW NNW	NNW NNW	NNW NNW	NNW NNW	NNW NNW	NNW NNW	NNW NNW			
30	SW	SW	SSW S	S	SSE S	SSW SSW	WSW W	WNW NW	WNW NW	WNW NW	WNW NW	WNW NW	WNW NW	WNW NW	WNW NW	WNW NW	WNW NW			
SUM																				
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