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MONTHLY METEOROLOGICAL SUMMARY SOMMAIRE MÉTÉOROLOGIQUE MENSUEL

MONTH/MOIS NOVEMBER / NOVEMBRE

19 84

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

LAT: 49° 54'N			LONG: 97° 14'W			ELEVATION: 239.6 METRES (ASL) ALTITUDE: 239.6 MÈTRES (NMM)		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	-11.2	-16.2	-13.7	31.7	0.0	72	52						31.9	W	W 41	8.7				
2	-4.3	-18.4	-11.4	29.4	0.0	77	56						20.8	SE	SE 33	0.1				
3	4.4	-4.7	-0.2	18.2	0.0	92	69		Tr.	Tr.	Tr.	Tr.	21.1	SSE, S	SE 30*	4.2				
4	-3.5	-10.3	-6.9	24.9	0.0	96	72			Tr.	Tr.	Tr.	19.0	NW	NW 28	0.0				
5	-4.2	-10.2	-7.2	25.2	0.0	91	62			Tr.	Tr.	Tr.	9.5	NNW	NNW 17	7.4				
6	1.0	-9.0	-4.0	22.0	0.0	95	65					Tr.	7.5	S	S 13*	8.2				
7	5.3	-5.0	0.2	17.8	0.0	93	70		0.4		0.4	Tr.	12.7	E, SE*	SE 20*	3.4				
8	2.4	-7.3	-2.5	20.5	0.0	97	82		Tr.	Tr.	Tr.	Tr.	15.6	WNW	WNW 26*	0.0				
9	-1.9	-9.9	-5.9	23.9	0.0	95	74					0	11.7	N	N 28	0.0				
10	-3.5	-14.7	-9.1	27.1	0.0	94	59					Tr.	9.0	NNW	N 26	8.2				
11	-0.1	-9.4	-4.8	22.8	0.0	92	64					Tr.	22.6	S	S 39	6.3				
12	2.0	-3.4	-0.7	18.7	0.0	87	66			Tr.	Tr.	Tr.	16.4	SSE	S 24	6.0				
13	4.9	-1.3	1.8	16.2	0.0	93	77					Tr.	21.1	SSE	S 31	5.5				
14	3.6	0.9	2.3	15.7	0.0	100	85		1.8		1.8	Tr.	17.3	E	E 24	0.0				
15	1.0	-14.0	-6.5	24.5	0.0	100	67		0.2	2.6	2.8	1	35.7	WNW	NW 61	4.5				
16	-8.0	-16.5	-12.3	30.3	0.0	86	60					1	11.2	W	WNW 17*	8.2				
17	-11.5	-19.6	-15.6	33.6	0.0	79	57					1	11.0	WNW	NW 20	8.2				
18	-10.2	-18.2	-14.2	32.2	0.0	95	70			Tr.	Tr.	1	8.0	NE	NNE 17	0.8				
19	-7.6	-20.5	-14.1	32.1	0.0	95	55					1	6.8	NE, SE	SSE 15	5.1				
20	-1.0	-12.8	-6.9	24.9	0.0	84	65					1	27.0	SSE	SSE 43	6.9				
21	0.0	-3.3	-1.7	19.7	0.0	98	73		0.2		0.2	1	22.6	S	S 35	0.0				
22	3.7	-4.7	-0.5	18.5	0.0	100	70		0.2	Tr.	0.2	1	9.8	SW, WNW	SW 17*	7.3				
23	5.6	-3.0	1.3	16.7	0.0	96	75					Tr.	20.0	S	S 26	6.3				
24	5.0	-2.3	1.4	16.6	0.0	95	76					Tr.	17.3	S	SSE 26*	5.2				
25	7.9	2.0	5.0	13.0	0.0	100	70		2.8		2.8	0	10.9	SSE	SSE 24	0.0				
26	5.7	1.3	3.5	14.5	0.0	100	72		11.0		11.0	0	11.2	N	ESE 17*	0.0				
27	1.4	-5.0	-1.8	19.8	0.0	100	90		1.0	5.0	6.0	2	13.9	NNW	NW 28	0.0				
28	-5.0	-6.3	-5.7	23.7	0.0	94	88		Tr.	1.0	0.6	3	17.5	WNW	NNW 26	0.0				
29	-4.6	-8.6	-6.6	24.6	0.0	98	90			1.0	0.6	5	10.9	N	N 19	0.0				
30	-5.7	-13.0	-9.4	27.4	0.0	95	86			0.6	0.2	5	14.4	NNE	N 20	0.0				
MEAN MOYENNE	-0.9	-8.8	-4.9	TOTAL 686.2	TOTAL 0.0	93	71	TOTAL 0	TOTAL 17.6	TOTAL 10.2	TOTAL 26.6		16.1	PREVAILING DOMINANTE SOUTH	MAXIMUM NW61	TOTAL 110.5				
NORMAL NORMALE	-0.3	-8.8	-4.5	676.0	3.8	89	64	0.0	5.5	21.9	25.2	3	19.4	SOUTH	57	90.7				
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 - 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	686.2	597.0	676.0	TOTAL FOR MONTH TOTAL DU MOIS	0.0	11.0	3.8	11	5	4	1	0	5	4	2	0	0			
ACCUMULATED SINCE JULY 1 ACCUMULÉE DEPUIS LE 1 ^{er} JUILLET	1306.6	1178.8	1288.1	ACCUMULATED SINCE APRIL 1 ACCUMULÉE DEPUIS LE 1 ^{er} AVRIL	1873.2	1906.2	1783.3													

UDC 551.506.1 () *Indicates more than one occurrence of the same speed but not necessarily the same direction.

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CLIMATOLOGICAL SUMMARY FOR NOVEMBER 1984AT WINNIPEG, MANITOBA

Rainfall was well above normal with 17.6 mm. Snowfall was only half of the normal with 10.2 cm. There were four days with freezing precipitation. Winds were below normal. Sunshine with 110.5 hours was above normal.

DAILY WEATHER SUMMARY FOR NOVEMBER 1984AT WINNIPEG, MANITOBA

1. Very cold. Record low maximum temperature of -11.2°C broke previous -10.6°C temperature in 1951. Mostly sunny. Moderate winds with west gusts to 72 Km/h in early morning.
2. Very cold. Record low minimum temperature of -18.4°C broke the previous record of -17.8°C in 1966. Cloudy. Light snow late evening continued. Moderate winds with southeast gusts to 50 Km/h in afternoon. Smoke over city in morning.
3. Near normal temperatures. Partly cloudy. Snow or flurries, freezing rain and ice pellets in early morning. Moderate winds with southeast gusts to 43 Km/h in morning.
4. Cold. Cloudy. Light snow mid morning until early afternoon. Mostly light winds.
5. Cold. Partly cloudy. Snow and snow pellets mid morning until late morning. Snow flurries in early afternoon. Mostly light wind.
6. Cold. Mostly sunny. Light winds.
7. Above normal temperatures. Partly cloudy. Rain in evening. Mostly light winds. Red and Assiniboine Rivers frozen over.
8. Near normal temperatures. Cloudy. Light rain early afternoon. Light snow mid afternoon. Mostly light winds.
9. Cold. Cloudy. Snow or flurries in afternoon continued. Mostly light winds.
10. Cold. Mostly sunny. Snow or flurries or ice crystals until mid morning. Mostly light winds.
11. Slightly below normal temperatures. Mostly sunny. Moderate winds with gusts to 48 Km/h in afternoon.
12. Above normal temperatures. Cloudy clearing by mid morning. Snow in early morning. Mostly light winds in morning.
13. Mild. Mostly sunny. Haze or light fog in morning, afternoon and evening. Visibility slightly restricted. Moderate winds with south gusts to 41 Km/h.
14. Mild. Cloudy. Light rain in morning and afternoon. Drizzle afternoon continued. Light fog in morning and afternoon. Heavy fog in evening. Visibility restricted most of the day. Mostly light winds.
15. Below normal temperatures. Partly cloudy. Drizzle and light rain in morning. Ice pellets in morning. Snow in morning. Blowing snow in morning and early afternoon. Moderate winds with WNW gusts to 80 km/h in morning. Visibility restricted morning until early afternoon. Light fog in morning. Drifting snow in afternoon.
16. Cold. Mostly sunny. Mostly light winds.
17. Very cold. Mostly sunny. Mostly light winds.
18. Very cold. Cloudy. Light snow in morning. Light winds.
19. Very cold. Mostly sunny. Light winds.
20. Slightly below normal temperatures. Mostly sunny. Moderate winds with SSE gusts to 50 Km/h in morning.
21. Above normal temperatures. Freezing rain late evening continued. Light fog in afternoon and late evening. Moderate winds with south gusts to 52 Km/h in early morning. Roads icy late evening, traffic accidents.
22. Much above normal temperatures. Cloudy becoming sunny by mid morning. Freezing rain, ice pellets and light snow in morning. Light fog in morning. Roads very icy. Numerous traffic accidents.
23. Much above normal temperatures. Mostly sunny. Mostly light winds.
24. Still way above normal temperatures. Mostly sunny. Mostly light winds.
25. Mild. Record high minimum of 2.0°C . Previous high was -2.2°C in 1914 and 1944. Cloudy. Light rain or showers in morning, afternoon and evening. Light fog in morning. Mostly light winds.
26. Mild. Cloudy. Rain morning continued. Drizzle in evening. Light fog in morning and evening. Heavy fog in afternoon. Visibility restricted. Light winds.
27. Much above normal temperatures. Cloudy. Rain in morning. Snow in morning and evening continued. Mostly light winds. Light fog in morning until evening. Visibility restricted.
28. Above normal temperatures. Cloudy. Snow in early morning, afternoon, and evening. Freezing drizzle and freezing rain in evening. Snow pellets in evening. Visibility restricted. Mostly light winds. Some power outages. Numerous traffic accidents due to icy roads.
29. Above normal temperatures. Snow and ice crystals in morning. Visibility restricted. Light winds.
30. Above normal temperatures. Cloudy. Snow in morning continued. Visibility restricted. Light winds.

HOURLY DEWPOINT TEMPERATURES AT WINNIPEG INTERNATIONAL AIRPORT FOR THE MONTH OF NOVEMBER 1984 PAGE 5 YWG
 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.	-17.0	-17.7	-18.4	-18.7	-18.9	-19.0	-19.4	-19.4	-19.5	-19.4	-18.7	-18.5	-18.4	-18.1	-20.3	-20.3	-20.0	-20.3	-20.4	-20.2	-20.0	-20.3	-20.4	-20.7
2.	-21.2	-21.5	-21.5	-21.7	-22.1	-22.5	-22.5	-22.4	-21.8	-21.0	-19.4	-19.2	-18.7	-18.5	-17.6	-17.7	-13.3	-16.2	-15.2	-13.1	-12.2	-11.6	-11.0	-10.4
3.	-8.9	-8.6	-7.9	-7.2	-6.6	-5.1	-4.2	-3.5	-2.7	-1.8	-1.2	-0.5	-0.4	-0.4	-2	-4	-7	-1.6	-2.2	-3.0	-3.3	-3.5	-3.8	-4.9
4.	-5.5	-5.6	-5.6	-5.3	-5.2	-5.1	-5.2	-5.9	-6.6	-7.2	-7.3	-7.8	-7.7	-7.2	-7.3	-8.4	-8.7	-8.5	-9.1	-9.5	-10.1	-10.9	-11.5	-11.6
5.	-11.0	-11.4	-16.9	-9.4	-8.9	-8.2	-8.4	-10.5	-10.9	-9.8	-10.9	-10.6	-11.1	-10.5	-10.5	-9.8	-9.9	-10.0	-9.6	-9.6	-9.3	-8.6	-8.7	-8.3
6.	-8.5	-7.9	-7.7	-7.5	-7.4	-8.3	-7.8	-9.3	-9.4	-7.1	-7.1	-7.3	-6.4	-5.9	-5.1	-5.0	-4.5	-5.1	-5.5	-4.8	-5.4	-5.6	-5.8	-6.7
7.	-6.6	-5.7	-5.9	-6.1	-5.6	-5.8	-4.8	-4.0	-3.2	-2.5	-1.6	-1.2	-1.0	-0.9	-1.1	0.0	0.2	-2	-3	-4	-3	-1	-1.9	1.1
8.	-1.2	1.2	1.1	1.3	-3	-8	-1.1	-1.5	-1.9	-1.4	-1.1	-1.4	-1.7	-1.9	-1.9	-2.7	-3.3	-4.3	-4.6	-4.8	-5.6	-6.9	-7.8	-7.7
9.	-8.0	-8.5	-9.2	-9.5	-10.4	-10.1	-10.1	-10.2	-10.3	-7.6	-5.5	-4.6	-5.1	-5.3	-5.1	-4.4	-3.4	-3.8	-4.5	-5.7	-8.3	-7.7	-11.6	-11.9
10.	-11.7	-13.2	-13.8	-13.8	-13.4	-14.3	-14.8	-15.6	-15.4	-13.8	-11.9	-11.0	-10.1	-10.0	-10.1	-10.3	-10.0	-10.2	-9.4	-9.8	-10.2	-9.9	-10.4	-10.2
11.	-9.4	-9.8	-10.1	-10.1	-10.1	-9.8	-9.8	-9.6	-9.3	-8.8	-7.9	-6.9	-7.3	-6.9	-6.9	-6.7	-6.3	-5.8	-6.0	-5.7	-5.7	-5.5	-5.4	-5.3
12.	-5.1	-5.2	-5.1	-5.0	-5.0	-5.1	-5.1	-5.6	-5.7	-5.4	-5.1	-4.9	-4.5	-4.1	-3.9	-3.3	-3.2	-3.7	-3.4	-2.7	-2.5	-2.3	-2.2	-2.2
13.	-2.3	-2.3	-2.4	-2.7	-2.4	-2.3	-2.3	-2.6	-2.6	-2.1	-1.3	-0.9	-0.2	0.3	0.6	0.9	0.5	0.3	0.1	-0.3	-0.3	-0.3	-1.1	-0.6
14.	-0.3	-0.3	0.0	-0.1	0.6	0.7	0.7	0.6	0.5	0.6	1.4	1.8	1.8	2.1	2.7	3.0	3.0	3.0	3.0	3.0	2.0	1.8	1.6	1.2
15.	0.9	0.3	-1.4	-4.3	-6.5	-7.3	-7.8	-9.2	-10.3	-9.8	-10.5	-11.9	-13.2	-13.8	-13.2	-13.9	-14.3	-14.5	-15.2	-15.2	-16.0	-15.4	-15.7	-15.8
16.	-16.2	-16.2	-16.5	-16.7	-17.2	-17.3	-17.1	-17.1	-16.8	-16.8	-15.4	-14.6	-14.0	-13.2	-14.4	-15.2	-14.7	-15.1	-16.7	-18.2	-19.4	-19.7	-19.3	-20.3
17.	-21.7	-21.6	-21.4	-22.4	-22.1	-22.7	-24.3	-23.9	-23.5	-22.0	-21.1	-19.5	-18.7	-18.1	-17.0	-16.5	-17.0	-17.9	-18.7	-19.4	-19.0	-18.5	-18.8	-18.1
18.	-18.1	-17.9	-17.6	-17.5	-17.1	-16.7	-16.7	-16.6	-16.7	-15.7	-14.4	-14.3	-13.8	-13.8	-13.8	-13.8	-13.5	-13.2	-13.4	-13.1	-15.5	-19.0	-19.0	-20.2
19.	-21.0	-20.6	-20.9	-20.8	-21.2	-22.2	-22.2	-23.3	-23.0	-20.1	-20.4	-13.5	-13.1	-13.2	-12.5	-12.3	-13.1	-13.7	-14.1	-13.8	-14.3	-13.2	-12.8	-14.0
20.	-14.6	-13.8	-13.2	-12.7	-12.7	-12.7	-12.6	-12.9	-12.9	-12.3	-11.6	-10.2	-9.2	-8.1	-7.5	-7.0	-7.1	-7.3	-7.0	-7.1	-7.1	-7.3	-7.4	-6.9
21.	-7.1	-6.9	-6.6	-6.8	-6.8	-6.6	-6.6	-6.6	-6.5	-6.4	-5.8	-5.1	-3.6	-2.8	-2.4	-2.2	-2.3	-2.3	-2.5	-2.1	-1.4	-1.2	-1.1	-1.0
22.	-5	-3	-9	-1.3	-1.5	-2.4	-2.9	-3.1	-4.9	-4.4	-3.5	-2.4	-1.9	-2.1	-1.8	-1.3	-1.3	-1.4	-1.3	-1.4	-1.9	-1.2	-1.1	-1.0
23.	-1.1	-0.9	-1.1	-1.6	-1.8	-2.0	-2.6	-3.1	-3.6	-3.2	-1.9	-1.1	-0.2	1.0	1.5	1.7	2.0	1.5	0.9	0.9	0.4	-0.1	-0.3	-0.3
24.	-8	-1.0	-1.5	-1.9	-2.5	-2.6	-3.1	-3.4	-3.4	-2.8	-1.9	-1.1	-0.2	0.0	0.9	0.9	1.1	0.7	0.7	1.5	1.5	1.4	0.8	0.8
25.	1.7	1.5	2.0	2.3	3.0	2.3	3.3	4.1	3.4	4.1	4.9	5.2	5.5	6.2	6.2	5.4	4.9	4.1	5.0	4.7	4.2	4.3	2.7	1.1
26.	0.6	0.4	-0.2	-0.3	-0.3	0.6	1.9	2.3	2.6	3.1	3.4	3.5	3.9	4.0	3.8	3.5	2.9	2.5	2.2	1.9	1.7	1.6	1.7	1.5
27.	1.4	0.5	0.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.6	1.8	2.1	2.9	3.8	4.0	4.6	5.1	5.3	5.6	5.7
28.	-5.8	-5.8	-6.1	-6.3	-6.5	-6.6	-6.7	-6.9	-7.1	-7.2	-7.1	-6.8	-7.1	-6.9	-7.0	-7.0	-7.1	-7.0	-6.8	-6.6	-6.6	-6.7	-7.0	-7.1
29.	-7.1	-7.1	-7.1	-6.7	-6.6	-6.6	-7.8	-8.5	-6.8	-6.6	-6.2	-6.4	-6.0	-6.2	-6.1	-6.2	-6.6	-7.3	-7.8	-9.2	-8.3	-7.3	-7.7	-7.2
30.	-7.3	-7.4	-7.5	-8.1	-8.6	-8.5	-9.2	-9.2	-9.2	-9.2	-9.2	-9.2	-9.2	-9.2	-9.2	-10.3	-11.4	-12.2	-12.7	-12.7	-13.6	-12.7	-13.7	-13.7

MEAN -7.6 -7.7 -7.8 -8.0 -8.0 -8.2 -8.3 -8.5 -8.5 -7.8 -7.3 -6.6 -6.4 -6.1 -5.9 -6.0 -5.9 -6.3 -6.5 -6.6 -6.9 -7.0 -7.3 -7.4

MEAN DAILY DEWPOINT BASED ON HOURLY READINGS

DATE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
MEAN	-19.2	-17.9	-3.6	-7.5	-9.8	-6.6	-2.1	-2.4	-7.4	-11.7	-7.6	-4.1	-1.0	1.4	-10.5	-16.5

NOTE: AS OF JANUARY 1 1983, HOURLY DEWPOINT TEMPERATURES HAVE REPLACED HOURLY WETBULB TEMPERATURES IN THIS PUBLICATION.

MEAN DAILY DEWPOINT BASED ON HOURLY READINGS

DATE	17	18	19	20	21	22	23	24	25	26	27	28	29	30
MEAN	-20.1	-15.9	-17.0	-10.0	-4.2	-1.8	-0.5	-0.6	3.8	2.0	-1.7	-6.6	-7.1	-10.1

