



Environment Canada / Environnement Canada
 Atmospheric Environment Service / Service de l'environnement atmosphérique

MONTHLY METEOROLOGICAL SUMMARY SOMMAIRE MÉTÉOROLOGIQUE MENSUEL

MONTH/MOIS NOVEMBER / NOVEMBRE

19 85

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 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 / 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	6.8	-2.6	2.1	15.9		100	65		5.4	5.4			12.2	NW	NW 26	3.4		
2	8.0	-3.5	2.3	15.7		94	58						9.4	S	SSE17*	8.2		
3	6.4	-2.4	2.0	16.0		87	58						6.6	SSE	SSE11*	0.6		
4	8.3	-0.2	4.1	13.9		81	45						21.7	SSE	SSE30*	5.4		
5	9.4	1.7	5.6	12.4	0.6	91	53		0.6	TR.	TR.	TR	30.1	S	S 41*	0.0		
6	2.8	-5.7	-1.5	19.5		94	61		TR.	0.4	0.4		10.1	S	W 19*	6.0		
7	-0.5	-10.0	-5.3	23.3		95	64			1.1	0.6	01	20.9	NW	NW 30*	1.1		
8	-5.9	-13.4	-9.7	27.7		84	53					01	9.1	N	N 19*	8.7		
9	-6.6	-14.2	-10.4	28.4		86	54					TR	10.7	NNW	NNE22*	7.1		
10	-8.1	-18.0	-13.1	31.1		90	65					TR	6.0	NNW	NNW13*	6.6		
11	-3.6	-14.0	-8.8	26.8		94	59			9.0	4.6	TR	10.5	SSE	S 19*	1.5		
12	-4.3	-14.3	-9.3	27.3		96	78			0.6	0.6	09	10.9	WNW	WNW15*	0.3		
13	-8.5	-20.7	-14.6	32.6		94	78					09	9.3	S	SSW15*	8.1		
14	-4.9	-15.1	-10.0	28.0		94	82					07	7.7	WNW	WNW15	0.0		
15	-0.9	-11.8	-6.4	24.4		94	77					07	21.1	S	S 35	7.6		
16	0.7	-7.2	-3.3	21.3		92	78					06	18.8	S	S 26	8.4		
17	-1.2	-14.3	-7.8	25.8		95	79			2.5	2.5	05	20.1	NNW	NW 33*	0.0		
18	-11.2	-20.8	-16.0	34.0		95	65			2.5	2.5	06	34.2	NNE	NNE48*	1.5		
19	-11.6	-13.9	-12.8	30.8		98	91			16.5	15.4	17	43.0	NNE	NNE54	0.0		
20	-12.1	-15.1	-13.6	31.6		94	84			1.1	1.0	07	20.5	NNW	N 41	1.6		
21	-13.1	-21.4	-17.3	35.3		98	66			TR.	TR.	07	8.1	S	S 13	2.8		
22	-9.7	-13.5	-11.6	29.6		98	87			3.4	3.4	09	15.3	N	N 26	0.0		
23	-13.3	-24.2	-18.8	36.8		93	69			0.4	0.2	09	14.5	NW	NW 22	0.0		
24	-22.4	-30.4	-26.4	44.4		71	62			TR.	TR.	09	10.7	S	S 17	7.2		
25	-17.2	-29.1	-23.2	41.2		80	64			4.0	3.6	09	11.8	NNE	NE 24	0.0		
26	-16.7	-25.4	-21.1	39.1		76	63			2.7	2.7	11	17.3	W	WNW26	4.0		
27	-24.3	-31.9	-28.1	46.1		69	52			TR.	TR.	12	9.7	W	WSW15	7.8		
28	-20.8	-30.6	-25.7	43.7		71	55			0.3	0.3	11	12.0	S	S 19*	4.7		
29	-25.9	-33.4	-29.7	47.7		75	57			TR.	TR.	11	3.2	CALM	WNW11*	7.4		
30	-23.7	-34.0	-28.9	46.9		74	59			TR.	TR.	11	2.7	CALM	NW 07	3.3		
31																		
MEAN MOYENNE	-7.5	-16.3	-11.9	897.3	0.6	88	66	TOTAL	0	6.0	44.5	43.8		14.6	PREVAILING DIRECTION / DIRECTION DOMINANTE	S	MAXIMUM / NNE54	TOTAL / 113.3
NORMAL NORMALE	-0.3	-8.8	-4.5	676.0	3.8				0.0	5.5	21.9	25.2		19.4	S			90.7

DEGREE-DAY SUMMARY - SOMMAIRE DE DEGRÉS-JOURS

DAYS WITH TOTAL PRECIPITATION: JOURS AVEC PRÉCIPITATIONS TOTALES: mm

DAYS WITH SNOWFALL: JOURS AVEC CHÛTE 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	TOTALS					TOTALS				
								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	897.3	686.2	676.0	TOTAL FOR MONTH / TOTAL DU MOIS	0.6	0.0	3.8	15	9	8	1	0	13	9	7	1	0
ACCUMULATED SINCE JULY 1 / ACCUMULÉE DEPUIS LE 1 ^{ER} JUILLET	1638.4	1306.6	1288.1	ACCUMULATED SINCE APRIL 1 / ACCUMULÉE DEPUIS LE 1 ^{ER} AVRIL	1598.5	1873.2	1783.3	15	9	8	1	0	13	9	7	1	0

UDC 551.506.1 () * INDICATES MORE THAN ONE OCCURENCE OF THE SPEED BUT NOT NECESSARILY THE DIRECTION. ! ACTUAL SPEED IS 50 KM/H GREATER THAN INDICATED.

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CLIMATOLOGICAL SUMMARY FOR NOVEMBER 1985**AT WINNIPEG, MANITOBA**

This was the coldest November since 1896 and third coldest on record. The 44.5 cm of snow was the most recorded since 1965. Almost half of the snow fell during the blizzard of the 18th and 19th. Sunshine was above normal while the average winds were below normal.

DAILY WEATHER SUMMARY FOR NOVEMBER 1986**AT WINNIPEG, MANITOBA**

1. Cloudy with rain ending by late morning, skies clearing in the evening. Temperatures above normal. Winds moderate in the late morning and early afternoon, otherwise light.
2. Sunny becoming cloudy by evening temperatures above normal. Winds light.
3. Mostly cloudy. Temperatures above normal. Winds light.
4. Partly cloudy. Temperatures above normal. Winds moderate.
5. Cloudy with rain and snow showers in the evening. Temperatures above normal. Winds moderate with strong gusts.
6. Mostly cloudy with snowflurries in the evening. Temperatures near normal. Winds light.
7. Cloudy with a few snowflurries. Temperatures below normal. Winds moderate.
8. Sunny. Temperatures below normal. Winds light.
9. Mostly sunny. Temperatures well below normal. Winds light.
10. Sunny. Temperatures well below normal. Winds light.
11. Cloudy with snow beginning in the evening. Temperatures below normal. Winds light.
12. Mostly cloudy with snow overnight. Temperatures below normal. Winds light.
13. Sunny. Temperatures much below normal. Winds light.
14. Mostly cloudy. Temperatures below normal. Winds light.
15. Sunny. Temperatures a little below normal. Winds light becoming moderate in the late morning.
16. Clear. Temperatures a little above normal. Winds moderate at times, otherwise light.
17. Cloudy with snow. Temperatures below normal. Winds light becoming moderate by early morning.
18. Cloudy with snow and blowing snow beginning late evening. Temperatures well below normal. Winds moderate becoming strong and gusty by evening.
19. Blizzard. Schools closed, difficult travel, some businesses closed, many activities cancelled. Temperatures below normal. Winds strong with gale force gusts during the night becoming moderate by late afternoon.
20. Cloudy with snow and blowing snow during the night and snowflurries in the afternoon. Temperatures well below normal. Winds moderate becoming light by late morning.
21. Mostly sunny. Temperatures well below normal. Winds light.
22. Cloudy with snow all day. Temperatures below normal. Winds light becoming moderate in the afternoon.
23. Cloudy with occasional snowflurries. Temperatures well below normal. Winds light.
24. Sunny. Temperatures much below normal. Winds light.
25. Cloudy with snow beginning in the early afternoon. Temperatures much below normal. Winds light becoming moderate by late afternoon.
26. Cloudy with snow becoming sunny by afternoon. Temperatures well below normal. Winds moderate becoming light by the afternoon.
27. Sunny. Temperatures much below normal. Winds light.
28. Cloudy with snow in the late morning becoming sunny by noon. Temperatures well below normal. Winds light.
29. Sunny. Temperatures much below normal. Winds light.
30. Mainly sunny. Temperatures much below normal. Winds light.

HOURLY DEWPOINT TEMPERATURES AT WINNIPEG INTERNATIONAL AIRPORT FOR THE MONTH OF NOVEMBER 1985
 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	3.7	3.6	3.6	3.6	3.9	3.8	3.4	2.9	2.4	2.7	2.6	3.1	2.6	1.8	1.9	0.7	0.1	-1.1	-1.9	-2.5	-3.2	-3.5	-4.1	-3.4
2	-3.4	-4.0	-4.4	-4.8	-3.4	-3.8	-3.4	-2.7	-3.2	-1.5	-0.7	0.5	0.3	1.1	0.3	0.2	-0.9	-0.9	-0.7	-1.1	-1.9	-2.5	-2.4	-3.1
3	-3.3	-2.8	-2.1	-3.9	-4.2	-4.1	-3.5	-3.0	-2.8	-2.7	-2.3	-2.1	-1.4	-2.3	-1.8	-1.9	-2.0	-3.1	-3.3	-4.5	-4.8	-3.4	-4.6	-4.6
4	-4.5	-4.4	-4.1	-3.7	-3.5	-3.5	-3.0	-2.2	-2.8	-4.3	-4.1	-4.0	-3.9	-3.7	-3.0	-2.7	-3.0	-3.4	-3.7	-3.7	-3.7	-3.3	-3.0	-2.5
5	-2.4	-1.4	-0.3	-0.5	-0.6	-0.3	-0.2	-0.2	-0.3	0.1	0.0	0.2	0.7	1.1	1.6	2.4	3.1	5.1	2.0	0.3	-0.6	-0.1	-0.1	0.0
6	-1.8	-1.9	-3.3	-4.2	-5.2	-5.8	-6.7	-7.3	-7.5	-6.9	-6.5	-6.4	-6.5	-6.4	-5.9	-6.6	-6.6	-5.6	-5.2	-2.2	-1.5	-1.5	-1.3	-1.2
7	-1.6	-1.7	-1.9	-1.9	-3.4	-4.5	-5.7	-8.3	-8.2	-8.0	-8.9	-8.8	-9.2	-11.2	-11.0	-9.1	-9.4	-11.2	-13.3	-13.2	-12.3	-13.2	-14.8	-13.6
8	-13.5	-11.0	-11.7	-12.6	-13.5	-13.9	-14.3	-14.4	-14.7	-13.8	-14.2	-14.2	-13.2	-13.2	-14.3	-14.3	-14.3	-13.8	-14.1	-14.6	-14.9	-15.6	-15.0	-13.5
9	-14.3	-14.4	-14.0	-13.3	-13.0	-13.9	-13.6	-15.5	-16.2	-14.8	-13.4	-13.6	-14.8	-13.5	-13.1	-13.0	-14.9	-14.4	-15.4	-16.2	-16.3	-16.2	-16.5	-16.7
10	-17.0	-17.6	-17.6	-18.0	-18.1	-18.8	-18.7	-18.6	-18.1	-15.9	-14.8	-13.7	-12.9	-13.5	-13.7	-13.8	-14.2	-14.6	-14.4	-15.0	-15.0	-15.2	-15.1	-15.2
11	-15.2	-15.1	-15.1	-15.1	-15.7	-14.9	-15.0	-15.7	-15.2	-12.9	-12.8	-11.9	-11.8	-11.9	-10.2	-9.7	-8.9	-8.6	-7.9	-6.0	-5.6	-5.6	-5.5	-5.5
12	-5.4	-5.1	-5.4	-6.5	-8.2	-8.9	-10.5	-8.2	-9.9	-9.7	-8.6	-9.1	-9.0	-9.8	-10.5	-10.9	-11.1	-11.4	-12.4	-12.8	-14.2	-13.9	-16.1	-15.3
13	-15.8	-17.6	-17.0	-18.5	-19.6	-21.2	-21.6	-20.5	-20.6	-19.4	-17.3	-15.2	-14.3	-13.3	-12.7	-12.2	-12.3	-12.7	-11.7	-12.1	-11.4	-11.6	-12.2	-12.7
14	-13.4	-13.2	-13.4	-13.1	-14.3	-15.2	-15.7	-15.8	-12.5	-9.9	-8.2	-7.6	-7.6	-7.3	-7.3	-7.7	-8.6	-9.4	-9.4	-9.8	-10.2	-10.9	-11.5	-12.8
15	-12.9	-11.0	-11.2	-11.3	-11.6	-11.9	-12.5	-11.6	-11.1	-9.9	-8.7	-7.7	-7.1	-5.7	-4.5	-4.2	-4.1	-4.4	-4.7	-4.8	-5.1	-5.4	-6.3	-6.7
16	-6.9	-7.6	-7.8	-7.3	-7.8	-8.9	-9.1	-9.2	-9.5	-9.4	-8.3	-6.9	-5.8	-4.1	-3.3	-2.6	-2.1	-2.4	-2.8	-3.1	-3.5	-4.3	-5.2	-5.1
17	-5.2	-5.0	-4.8	-4.7	-5.3	-5.7	-5.1	-2.3	-3.6	-4.7	-6.2	-7.0	-8.4	-9.2	-9.8	-10.6	-11.4	-12.0	-12.5	-12.7	-13.4	-15.2	-15.5	-16.3
18	-16.2	-17.1	-17.7	-18.4	-18.7	-19.7	-22.9	-23.2	-24.0	-19.7	-19.7	-19.3	-18.6	-17.0	-15.6	-15.2	-14.8	-15.2	-14.3	-14.8	-15.2	-14.3	-13.6	-13.2
19	-12.8	-12.7	-12.7	-13.2	-13.1	-12.8	-12.8	-12.5	-12.6	-12.6	-12.5	-12.4	-12.2	-12.2	-12.3	-12.4	-12.4	-13.0	-13.2	-13.2	-13.2	-13.8	-14.3	-14.5
20	-14.8	-14.9	-15.2	-15.1	-15.3	-15.1	-15.5	-15.3	-15.5	-15.6	-15.1	-14.3	-14.4	-14.6	-13.8	-14.0	-14.0	-14.4	-14.6	-14.3	-14.8	-15.2	-15.4	-16.5
21	-15.9	-16.6	-17.5	-18.9	-19.1	-21.3	-24.8	-23.9	-25.0	-23.4	-21.1	-19.8	-18.1	-17.6	-17.1	-17.6	-17.3	-17.4	-17.6	-16.7	-16.2	-17.3	-18.2	-16.7
22	-15.2	-13.9	-12.4	-13.6	-13.2	-13.2	-13.2	-13.0	-12.8	-12.6	-12.4	-12.1	-11.8	-11.9	-11.5	-11.3	-11.4	-12.0	-12.1	-13.0	-13.3	-14.0	-14.3	-14.6
23	-14.8	-17.4	-19.1	-24.1	-22.6	-23.3	-23.1	-23.7	-23.8	-23.9	-22.9	-22.4	-22.1	-22.4	-21.6	-21.3	-21.3	-22.5	-22.5	-23.7	-25.1	-25.2	-26.3	-26.9
24	-28.2	-29.1	-30.0	-31.3	-33.7	-34.9	-33.5	-33.8	-32.9	-30.8	-30.6	-30.1	-29.6	-28.8	-28.2	-27.9	-27.5	-29.0	-28.4	-32.3	-32.4	-31.2	-30.5	-29.5
25	-31.4	-31.8	-32.7	-33.0	-32.8	-33.3	-32.3	-29.7	-30.5	-29.5	-29.0	-28.2	-27.2	-26.2	-25.4	-24.9	-23.9	-23.4	-23.3	-22.4	-21.8	-21.4	-21.3	-20.7
26	-20.4	-20.2	-20.2	-20.0	-20.2	-20.2	-20.3	-21.1	-21.3	-21.4	-21.2	-35.8	-21.8	-22.0	-22.5	-22.9	-23.8	-24.3	-25.5	-26.6	-28.0	-28.1	-28.9	-29.5
27	-29.8	-30.9	-31.1	-32.2	-32.9	-32.2	-31.2	-30.6	-30.6	-31.1	-31.6	-32.3	-32.2	-32.1	-32.0	-32.2	-32.6	-33.5	-33.6	-35.8	-36.5	-36.5	-35.8	-35.8
28	-35.5	-34.9	-34.6	-33.8	-34.2	-35.8	-34.4	-33.7	-32.1	-30.6	-28.8	-27.6	-27.1	-26.3	-25.6	-25.8	-26.2	-27.3	-28.5	-28.5	-29.5	-30.2	-31.1	-31.9
29	-32.3	-32.3	-34.8	-36.4	-35.4	-35.2	-36.5	-36.7	-37.2	-34.5	-32.5	-31.1	-32.7	-31.7	-31.1	-30.6	-33.1	-32.2	-32.7	-37.6	-35.7	-35.8	-36.8	-36.7
30	-37.4	-38.7	-37.4	-37.4	-37.7	-38.0	-34.7	-35.5	-34.9	-33.5	-32.1	-32.0	-30.0	-29.0	-29.8	-30.3	-31.0	-34.2	-34.3	-34.4	-34.6	-35.9	-35.7	-35.5

MEAN -14.6 -14.7 -14.9 -15.4 -15.7 -16.2 -16.3 -16.2 -16.2 -16.2 -15.3 -14.7 -14.7 -14.0 -13.8 -13.4 -13.4 -13.6 -14.0 -14.4 -14.8 -15.1 -15.3 -15.7 -15.7

MEAN DAILY DEWPOINT TEMPERATURES BASED ON HOURLY READINGS.

DATE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
MEAN	1.1	-1.9	-3.1	-3.4	0.4	-4.8	-8.5	-14.6	-11.3	-15.6	-8.1	-8.6	-12.9	-19.0	-22.6	-27.3	-32.6	-27.3	-30.6	-23.6	-30.6	-23.6	-30.6	-27.3	-32.6	-34.2	-34.2	-34.2	-34.2	-34.3