



Environment  
Canada

Environnement  
Canada

Atmospheric  
Environment  
Service

Service  
de l'environnement  
atmosphérique

# MONTHLY METEOROLOGICAL SUMMARY SOMMAIRE MÉTÉOROLOGIQUE MENSUEL

MONTH/MOIS

MARCH / MARS

19 85

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

LAT: 49 ° 54'N LONG: 97 ° 14'W			ELEVATION: 239.6 ALTITUDE: 239.6		METRES (ASL) MÈTRES (NNM)		STANDARD TIME USED: HEURE NORMALE UTILISÉE: CENTRAL														
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 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. PRÉCIP. TOTALE mm		AVERAGE SPEED VITESSE MOYENNE km/h	PREVAILING DIRECTION DIRECTION DOMINANTE	MAXIMUM SPEED AND DIRECTION VITESSE MAXIMALE ET DIRECTION km/h						
																°C		°C	°C	%	%
1	0.7	-13.6	-6.5	24.5		85	70					21	21.5	NW	NNW37	9.5					
2	-9.6	-16.8	-13.2	31.2		94	52			TR.	TR.	21	18.0	NNE	NE 30*	3.4					
3	-6.1	-17.9	-12.0	30.0		67	40					21	20.5	NE	ENE28	4.2					
4	-4.9	-15.0	-10.0	28.0		71	49			TR.	TR.	21	29.0	NE	NNE37*	0.0					
5	-5.1	-21.4	-13.3	31.3		76	42					21	12.0	S	S 24*	10.0					
6	-3.1	-11.2	-7.2	25.2		98	66			2.2	2.2	20	27.8	S	S 41	0.0					
7	0.1	-15.2	-7.6	25.6		95	73					22	17.0	W	SSW30	9.3					
8	-1.2	-13.2	-7.2	25.2		92	63					22	16.6	W	S 28	8.4					
9	4.2	-3.5	0.4	17.6		90	57					21	17.6	W	W 22*	9.5					
10	3.3	-4.5	-0.6	18.6		94	66					19	14.0	W	W 22	9.9					
11	0.0	-8.3	-4.2	22.2		92	60					18	15.9	W	N 28	9.9					
12	3.9	-9.3	-2.7	20.7		100	73		TR.	0.2	0.2	17	24.8	S	S 41	7.6					
13	2.0	-6.1	-2.1	20.1		100	72			TR.	TR.	14	13.0	W	W 22*	6.5					
14	-4.3	-8.1	-6.2	24.2		89	78					12	9.6	N	NNW17*	2.7					
15	2.7	-7.5	-2.4	20.4		90	70					12	18.7	SSE	SSE30*	5.7					
16	4.4	-5.0	-0.3	18.3		97	64					10	11.2	W	W 19*	10.3					
17	4.9	-5.9	-0.5	18.5		100	67					08	17.5	S	S 31*	10.5					
18	6.2	0.5	3.4	14.6		97	70					06	17.7	WNW	S 28*	10.9					
19	0.6	-8.6	-4.0	22.0		88	64					02	19.7	N	NNW28	11.2					
20	3.1	-9.8	-3.4	21.4		84	58					02	27.4	SSE	SSE44	6.2					
21	9.2	-1.9	3.7	14.3		100	59					02	9.1	W	S 39	10.8					
22	7.2	-1.2	3.0	15.0		79	56		0.6		0.6	02	22.0	ENE	E 35	2.9					
23	8.4	0.2	4.3	13.7		100	65		0.7		0.7	TR	20.5	ESE	ESE30*	2.5					
24	8.4	-0.8	3.8	14.2		88	70					TR	17.4	S	S 26	9.1					
25	4.7	0.8	2.8	15.2		94	80					TR	32.5	S	SSE46*	0.0					
26	3.8	0.2	2.0	16.0		100	97		2.7	TR.	2.7	TR	17.6	N	N 33	0.0					
27	4.4	-2.0	1.2	16.8		100	73			0.4	0.4	TR	19.0	NNW	NNW30	5.0					
28	-1.2	-5.1	-3.2	21.2		88	51					TR	32.4	NE	NNE44	0.0					
29	1.4	-6.3	-2.5	20.5		82	45						20.3	NNE	NE 39	11.6					
30	3.8	-5.6	-0.9	18.9		96	52						14.3	S	S 28	8.4					
31	5.0	-5.9	-0.5	18.5		97	39						11.7	N	N 20*	10.9					
MEAN MOYENNE	1.8	-7.4	-2.8	643.9		91	63	0	4.0	2.8	6.8		18.9	S DOMINANTE	SSE46	206.9					
NORMAL NORMALE	-2.8	-13.5	-8.2	811.3	1.6			0.1	3.3	21.1	22.7		19.3	S		176.2					
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	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		643.9	776.2	811.3	TOTAL FOR MONTH TOTAL DU MOIS		0.0	0.1	1.6												
ACCUMULATED SINCE JULY 1 ACCUMULÉE DEPUIS LE 1 <sup>er</sup> JUILLET		5139.9	4934.7	5194.5	ACCUMULATED SINCE APRIL 1 ACCUMULÉE DEPUIS LE 1 <sup>er</sup> AVRIL		1873.2	1906.3	1784.9	6	2	2	0	0	3	1	1	0	0		

UDC 551.508.1 (

\*) INDICATES MORE THAN ONE OCCURENCE OF  
THE SPEED BUT NOT NECESSARILY THE DIRECTION.  
! ACTUAL SPEED IS 50 KMH GREATER THAN INDICATED.

Subscription Price: \$1.15 monthly; \$11.60 per calendar year (January to December)  
Prix d'abonnement: mensuel \$1.15; annuel \$11.60 (janvier à décembre)

Canada

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

March was a warm and very dry month. The total precipitation of 6.8 mm is the lowest recorded since March 1939 and is the 9th driest on record. The maximum temperature for the month was 9.2° C on the 21st and the minimum temperature was -21.4° C on the 5th. Sunshine was well above normal and the wind was slightly below normal.

---

**DAILY WEATHER SUMMARY FOR JANUARY 1985****AT WINNIPEG, MANITOBA**

1. Mild. Sunny. Moderate winds.
2. Temperatures slightly below normal, cloudy, light winds, few flurries near noon.
3. Mostly overcast. Light winds. Temperature near normal.
4. Mild. Cloudy. A few flurries until noon. Winds light.
5. Mainly sunny. Temperature slightly below normal. Light winds.
6. Mild. Snow and blowing snow in the afternoon. Moderate winds.
7. Mild. Sunny. Light winds. Above normal temperatures.
8. Mild. Sunny. Light winds. Above normal temperatures.
9. Mild. Sunny. Light winds. Above normal temperatures.
10. Mild. Sunny. Light winds. Above normal temperatures.
11. Mild. Cloudy. Light winds. Above normal temperatures.
12. Mild. Cloudy. Moderate winds during day. Temperatures above normal.
13. Mild. Cloudy. Light winds. Temperature above normal.
14. Mild. Cloudy. Light winds. Temperature above normal.
15. Mild. Cloudy. Light winds. Temperature above normal.
16. Mild. Sunny. Light winds. Temperature above normal.
17. Mild. Sunny. Light winds. Temperature above normal.
18. Mainly Sunny. Light winds. Temperature above normal.
19. Mainly Sunny. Light winds. Temperature above normal.
20. Mainly Cloudy. Moderate & gusty winds late in the day. Temperature above normal.
21. Mainly Sunny. Light winds. Temperature above normal.
22. Cloudy. Light rain near noon. Light winds and above normal temperatures.
23. Cloudy. Light rain in afternoon. Light wind. Temperature above normal.
24. Cloudy. Light wind. Temperature above normal.
25. Mostly overcast. Moderate & gusty winds. Above normal temperatures.
26. Overcast. Light drizzle. Light rain and fog. Winds light, above normal temperatures.
27. Mostly cloudy. Light winds. Light snow early morning. Temperature above normal.
28. Cloudy. Moderate & gusty winds. Light afternoon and evening. Temperature slightly above normal.
29. Sunny. Light winds. Above normal temperatures.
30. Sunny. Light winds. Above normal temperatures.
31. Sunny. Light winds. Above normal temperatures.

1985

## HOURLY DEWPOINT TEMPERATURES AT WINNIPEG INTERNATIONAL AIRPORT FOR THE MONTH OF MARCH

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	-2.7	-5.7	-8.2	-9.2	-9.9	-10.8	-11.8	-13.0	-14.0	-13.8	-13.6	-13.0	-13.0	-12.6	-11.4	-10.9	-11.6	-11.6	-12.6	-13.5	-13.8	-14.2	-15.4	-15.0
2	-14.8	-16.2	-17.4	-16.5	-19.6	-16.0	-14.9	-14.3	-13.6	-13.1	-12.7	-13.0	-12.1	-13.6	-13.8	-14.1	-14.8	-15.2	-16.8	-18.4	-22.2	-21.0	-22.7	-22.4
3	-22.4	-22.0	-22.5	-22.7	-22.6	-22.7	-22.9	-22.9	-22.4	-21.4	-20.5	-19.0	-18.2	-16.7	-16.7	-14.6	-14.1	-14.4	-14.9	-16.8	-17.2	-17.0	-18.5	-20.2
4	-19.2	-19.0	-19.4	-17.1	-20.0	-19.8	-19.7	-19.8	-19.0	-17.8	-18.0	-14.3	-15.4	-14.1	-13.2	-12.6	-13.0	-12.3	-12.2	-13.6	-14.6	-15.6	-16.4	-17.4
5	-19.2	-22.5	-22.5	-22.5	-23.6	-25.2	-25.9	-25.3	-23.1	-21.2	-21.2	-19.5	-19.0	-17.9	-15.2	-13.5	-12.1	-10.4	-9.8	-10.9	-11.7	-12.8	-12.7	-12.7
6	-13.0	-14.8	-15.1	-15.2	-14.8	-13.9	-13.6	-13.8	-13.8	-12.9	-10.5	-8.3	-7.1	-5.3	-4.2	-4.0	-4.3	-4.2	-4.1	-3.8	-3.9	-5.0	-7.0	-9.2
7	-10.8	-12.7	-13.3	-13.0	-15.2	-15.1	-15.7	-16.0	-14.6	-13.8	-12.9	-11.3	-11.3	-10.4	-9.1	-7.4	-6.7	-6.2	-6.0	-5.4	-4.3	-4.0	-3.8	-3.6
8	-4.6	-4.5	-7.2	-8.7	-9.8	-12.6	-12.3	-13.2	-12.9	-12.9	-13.3	-13.4	-10.8	-10.4	-8.9	-7.9	-7.4	-6.5	-5.7	-5.3	-5.3	-5.1	-5.1	-5.3
9	-5.2	-5.1	-5.0	-4.5	-5.0	-5.1	-6.1	-6.4	-6.0	-6.0	-5.1	-4.3	-3.5	-2.7	-2.6	-2.9	-3.7	-2.3	-1.9	-1.8	-2.4	-3.0	-2.5	-2.6
10	-3.5	-3.3	-4.0	-3.6	-4.9	-5.6	-5.8	-6.1	-6.4	-6.5	-5.4	-4.7	-3.3	-3.2	-2.5	-2.7	-2.8	-3.0	-3.0	-3.2	-3.0	-3.4	-4.3	-4.5
11	-5.1	-5.2	-5.0	-4.9	-4.9	-6.2	-7.8	-7.7	-7.9	-8.2	-6.2	-5.1	-4.8	-4.3	-5.0	-5.2	-7.6	-6.6	-6.7	-8.2	-9.2	-10.0	-10.3	-9.8
12	-10.3	-11.4	-11.0	-10.9	-8.7	-8.3	-8.0	-6.9	-5.8	-4.4	-3.2	-2.1	-2.1	-1.1	-0.9	-0.6	-0.3	-1.0	-1.0	-0.2	-0.5	-0.1	0.6	0.4
13	0.3	-0.3	-2.5	-3.5	-4.5	-5.2	-5.8	-6.7	-6.6	-5.8	-5.2	-4.0	-3.8	-3.5	-2.6	-2.7	-2.3	-2.1	-1.9	-2.7	-3.5	-4.5	-5.3	-6.5
14	-6.5	-7.4	-9.4	-10.6	-9.4	-9.2	-8.7	-8.0	-8.9	-7.9	-7.6	-7.0	-7.3	-7.1	-7.4	-7.4	-8.1	-8.2	-8.4	-8.7	-9.3	-9.5	-9.7	-9.3
15	-9.9	-9.2	-9.2	-8.6	-7.9	-7.2	-7.1	-6.2	-5.7	-4.9	-5.8	-4.2	-3.2	-1.4	-0.6	0.2	0.0	-0.5	-0.7	-1.4	-2.0	-2.5	-3.4	-4.3
16	-4.7	-5.2	-6.0	-6.9	-6.6	-7.0	-7.0	-7.3	-6.8	-5.5	-4.8	-3.7	-3.9	-3.0	-2.3	-2.6	-2.1	-2.1	-1.9	-2.8	-3.8	-3.7	-4.1	-4.1
17	-4.9	-4.9	-5.3	-5.1	-6.2	-5.7	-6.0	-5.4	-5.8	-5.1	-3.9	-3.4	-2.4	-1.5	-0.4	0.8	0.0	0.2	-0.2	0.0	0.2	0.4	1.0	1.0
18	1.3	1.3	0.9	0.6	0.3	0.1	0.0	-0.1	0.3	0.6	0.7	1.5	1.6	1.4	1.9	1.8	0.8	-0.3	-1.2	-2.3	-3.0	-3.3	-2.0	-1.8
19	-1.6	-1.9	-2.5	-2.7	-2.9	-2.9	-3.0	-3.4	-2.9	-3.5	-4.7	-6.6	-7.3	-7.4	-6.5	-8.3	-7.1	-9.3	-9.8	-9.1	-10.2	-9.7	-11.0	-12.2
20	-12.9	-12.7	-12.6	-12.2	-12.1	-12.5	-12.6	-12.0	-11.8	-11.0	-10.0	-7.9	-7.4	-7.3	-5.6	-5.2	-5.1	-3.5	-2.9	-2.0	-1.7	-1.0	-0.6	-0.5
21	-0.4	-0.3	0.1	0.3	0.0	-0.9	-1.3	-1.5	0.4	0.3	0.9	1.4	1.9	2.0	1.5	2.3	1.7	1.0	3.1	1.6	1.3	1.8	1.5	-0.6
22	-1.2	-2.4	-3.7	-4.6	-3.9	-3.5	-3.5	-3.9	-3.9	-3.7	-4.0	-3.8	-4.1	-1.9	-1.6	-1.6	-0.9	-1.4	-0.4	-0.5	-1.1	-1.7	-2.7	-2.7
23	-2.6	-2.1	-1.9	-1.5	-1.1	-0.9	-0.9	-0.9	-0.7	-0.2	0.4	1.0	2.0	1.5	2.5	3.5	3.1	3.1	3.3	2.7	2.7	2.8	2.0	0.2
24	0.4	-1.3	-1.9	-2.5	-2.2	-1.9	-2.4	-1.2	-1.0	1.1	-0.3	0.1	0.0	1.1	1.5	2.8	3.2	2.1	2.4	1.5	1.6	0.2	-0.7	-0.1
25	0.6	0.7	0.1	-0.2	-0.1	-0.2	-0.3	-0.3	0.0	0.5	0.2	0.9	0.8	1.1	1.5	1.6	1.5	1.5	1.7	2.0	2.1	2.3	2.6	2.6
26	2.7	2.7	2.8	2.6	2.1	2.0	2.5	1.4	0.6	0.7	0.7	0.9	0.6	0.7	1.0	1.1	1.0	1.2	1.2	1.1	1.0	0.9	0.6	0.3
27	0.2	-0.2	-0.3	-0.5	-1.7	-2.5	-1.4	-1.9	-2.0	-1.8	-1.1	-0.4	-0.2	0.4	-1.1	-0.6	-0.5	-0.1	-1.4	-2.2	-2.3	-2.0	-2.7	-2.9
28	-3.1	-3.6	-3.8	-4.3	-5.4	-5.3	-5.9	-6.2	-6.0	-6.3	-7.7	-7.7	-8.0	-9.5	-11.8	-11.7	-12.2	-10.6	-10.5	-10.4	-10.0	-10.6	-10.4	-11.3
29	-11.7	-11.6	-11.5	-11.0	-9.3	-9.5	-9.9	-10.6	-11.0	-11.2	-11.6	-12.8	-12.1	-9.3	-8.6	-8.6	-8.0	-9.2	-9.0	-6.4	-5.1	-6.6	-7.7	-9.3
30	-9.3	-9.0	-7.3	-7.2	-7.2	-7.9	-8.5	-7.9	-6.8	-6.2	-5.6	-4.6	-6.3	-5.3	-5.0	-5.3	-6.4	-6.7	-5.5	-5.8	-5.1	-4.4	-5.0	-4.4
31	-4.6	-5.0	-5.1	-5.9	-6.3	-6.7	-5.8	-5.7	-4.0	-5.6	-6.7	-5.5	-6.2	-8.1	-6.9	-6.6	-7.3	-8.4	-6.4	-3.6	-2.6	-3.3	-3.8	-4.3
MEAN	-6.4	-6.9	-7.4	-7.5	-7.9	-8.0	-8.1	-8.2	-7.8	-7.3	-7.1	-6.3	-6.0	-5.5	-5.0	-4.6	-4.7	-4.7	-4.6	-4.8	-5.1	-5.3	-5.8	-6.2

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	31
MEAN	-11.7	-19.3	-17.9	-10.1	-8.7	-4.1	-4.1	-6.7	-3.8	-4.4	-2.7	0.0	-7.6	0.8	-2.6	0.1	1.0	-1.2	-9.7	-5.6	-6.4										