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MONTHLY METEOROLOGICAL SUMMARY SOMMAIRE MÉTÉOROLOGIQUE MENSUEL

MONTH/MOIS

MARCH / MARS

19 83

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

LAT: 49° 54' N		LONG: 97° 14' W		ELEVATION: ALTITUDE: 239.6		METRES (ASL) MÈTRES (NMM)		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	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	cm	km/h		km/h					
1	-0.8	-8.4	-4.6	22.6		98	72		TR.	0.6	0.6	6	10.0	E	SE15*	0.0				
2	0.3	-1.7	-0.7	18.7		98	92		TR.	14.9	13.1	6	10.7	NE	NE19	0.0				
3	1.2	-0.9	0.2	17.8		100	92		0.2	0.2	0.4	10	13.3	ENE	ENE17*	0.0				
4	1.8	0.3	1.1	16.9		97	90		0.4		0.4	10	16.2	E	E22*	0.0				
5	1.6	0.3	1.0	17.0		97	93		5.2		5.2	9	20.0	NE	NE22	0.0				
6	1.3	-4.6	-1.7	19.7		97	87		28.0	TR.	28.0	6	24.8	N	N35	0.0				
7	-4.6	-14.6	-9.6	27.6		91	76		0.6	1.9	2.5	3	24.9	NNW	NW30	0.0				
8	-7.3	-15.2	-11.3	29.3		83	71			0.4	0.4	5	23.7	NNW	NNW28*	7.9				
9	-8.2	-16.0	-12.1	30.1		92	71					5	10.8	N	N17*	8.6				
10	-3.3	-13.3	-8.3	26.3		86	57					5	16.0	SSE	SSE28	9.3				
11	1.8	-5.8	-2.0	20.0		85	61					5	32.3	S	S48	8.5				
12	4.1	-2.8	0.7	17.3		93	73		TR.		TR.	4	20.8	S	SSE31	5.3				
13	1.3	-9.8	-4.3	22.3		97	72		TR.	1.0	0.6	3	27.1	NW	NW48	0.0				
14	-6.2	-14.1	-10.2	28.2		84	69			TR.	TR.	2	24.0	N	NNW30	9.0				
15	-2.2	-8.8	-5.5	23.5		82	73					2	14.0	E	E24	0.8				
16	-1.2	-5.2	-3.2	21.2		89	68			TR.	TR.	2	10.3	WNW	WNW20	0.0				
17	-3.0	-7.1	-5.1	23.1		88	78			0.3	0.3	2	19.9	NNE	N26*	0.0				
18	-4.5	-10.4	-7.5	25.5		86	61			0.4	0.4	3	20.8	N	N30	8.0				
19	-4.1	-10.2	-7.2	25.2		85	56			0.2	0.2	3	24.5	N	N30	8.4				
20	-5.9	-11.8	-8.9	26.9		74	46					2	19.5	N	N26*	8.1				
21	-7.7	-11.9	-9.8	27.8		74	55					2	17.3	NNE	NNE24*	8.2				
22	-6.0	-16.1	-11.1	29.1		82	48					2	12.1	N	NNE19*	9.8				
23	-1.6	-15.6	-8.6	26.6		85	40					2	6.6	SE	SE13	9.2				
24	2.4	-7.2	-2.4	20.4		81	58			0.4	0.2	2	21.6	SSE	SSE31	1.1				
25	1.2	-3.6	-1.2	19.2		97	76			2.6	2.9	1	20.1	S	N26	0.0				
26	-2.8	-10.0	-6.4	24.4		88	65			0.2	0.2	2	18.8	N	N24	3.7				
27	-2.0	-10.8	-6.4	24.4		87	56					1	13.9	N	N22	10.0				
28	3.2	-12.2	-4.5	22.5		87	45					Tr.	7.9	NW	NW11*	10.0				
29	3.0	-3.5	-0.3	18.3		97	66		TR.	0.4	0.2	TR.	17.6	SSE	SSE41	1.4				
30	6.7	0.0	3.4	14.6		95	76		TR.	TR.	TR.	TR.	17.3	SSE	SSE28	6.3				
31	3.3	0.4	1.9	16.1		97	82		6.0	3.5	10.0	TR.	25.7	NNE	ENE33	0.0				
MEAN MOYENNE	-1.2	-8.1	-4.7	702.6		89	69		40.4	27.0	65.6		18.1	North DOMINANTE	S48 NW48	133.6				
NORMAL NORMALE	-2.8	-13.5	-8.2	811.3	2.9	89	64	0.1	3.3	21.1	22.7	MO. END	19.3	south	56	176.2				
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	NORMALE	ABOVE 5°C AU-DESSUS DE 5°C		THIS YEAR ANNÉE EN COURS	PREVIOUS YEAR ANNÉE PRÉCÉDENTE	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		702.6	782.2	811.3	TOTAL FOR MONTH TOTAL DU MOIS		0.0	0.0	1.6	17	6	6	3	0	14	5	3	1	0	
ACCUMULATED SINCE JULY 1 ACCUMULÉE DEPUIS LE 1 ^{ER} JUILLET		4661.1	5092.8	5194.5	ACCUMULATED SINCE APRIL 1 ACCUMULÉE DEPUIS LE 1 ^{ER} AVRIL		1706.4	1844.1	1784.9	17	6	6	3	0	14	5	3	1	0	

UDC 551.508.1 (* INDICATES MORE THAN ONE OCCURRENCE
OF SAME SPEED BUT NOT NECESSARILY THE
SAME DIRECTION.

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CLIMATOLOGICAL SUMMARY FOR MARCH 1983AT WINNIPEG, MANITOBA

The month was warm, wet and cloudy. The 40.4 mm of rain that fell was exceeded only on 3 other occasions of Winnipeg. Half of the snowfall was recorded on the 2nd; the most snowfall for that date. It was the cloudiest month since 1962 and the wettest month since 1945. There were 17 days with measurable precipitation, 7 more than average.

DAILY WEATHER SUMMARY FOR MARCH 1983AT WINNIPEG, MANITOBA

1. Cloudy, southeast winds and above normal temperatures. Snow 2:50 P.M. and continuing. Freezing drizzle 8:34 P.M. and continuing.
2. Freezing drizzle ending at 12:45 A.M. Cloudy, light winds and continuing above normal. Fog throughout the day. Snow continuing throughout the day. Drizzle 1:30-3:50 P.M. Heaviest snowfall for March 2nd.
3. Snow ending at 5:26 A.M. Cloudy, light northeasterly winds and still above normal temperatures. Snow 6:11 A.M. - 8:20 A.M. freezing drizzle 7:49 A.M. - 8:25 A.M. snow 11:08 - 11:53 A.M. Rain 11:53 A.M. - 1:27 P.M. Ice pellets 11:56 A.M. - 12:28 P.M. Drizzle starting at 2:24 P.M. and continuing. This is the 5th day consecutive with no sunshine. Record high minimum temperature.
4. Cloudy, fog, light easterly winds and above normal temperature values continuing. Drizzle ends at 4:10 A.M. again from 9:25 - 10:10 A.M. from 1:21 P.M. - 1:43 P.M. from 2:27 to 10:42 P.M. from 11:10 P.M. and continuing. Rain 7:03 P.M. - 10:21 P.M. Record high minimum temperature.
5. Drizzle ending at 12:21 A.M. Still cloudy, above normal temperatures. The start of what is to be a near record rainstorm. Rainshowers 1:29 A.M. - 2:28 A.M. Rain 2:28 A.M. - 4:07 A.M. 7:08 A.M. - 7:39 P.M. 10:19 P.M. and continuing. Record high minimum temperature. Heaviest rainfall for March 5.
6. Cloudy, rain, drizzle and fog, northerly winds and above normal temperatures. Rain ending at 3:52 A.M. again at 5:23 A.M. - 6:52 A.M. again at 7:55, turning to freezing rain at 4:32 P.M. ending at 10:33 P.M. freezing drizzle 11:00 P.M. and continuing. Heaviest rainfall for March 6.
7. Cloudy, 9th day running with no sunshine, temperatures falling rapidly to just below normal values. Rainfall turning to snow and everything freezing to ice. 1300 radio tower collapses and 1 fatality (2 month old baby boy). Travel restrictions in place as rainstorm turns to snow and blowing snow. Brisk to strong northerly wind flows. Freezing drizzle ending at 2:13 A.M. Snow starting at 4:18 and continuing through the day. 7th day running with measureable precipitation. Heaviest rainfall for March 7th.
8. Clearing during the day. Snow ends at 6:15 A.M. Below normal temperatures and brisk northwesterly winds.
9. Sunny, light northerly winds and continuing below normal temperatures.
10. Sunny, southerly winds. Temperatures rising to seasonal normals.
11. Sunny, strong southerly winds with temperatures rising above normal.
12. Sunny, above normal temperatures, afternoon cloudiness. Light southerly winds. Rainshower 6:04 P.M.-6:13 P.M.
13. Cloudy, brisk northwest winds, near normal temperatures. However still slightly above normal values. Drizzle 4:05 A.M. - 5:17 A.M. 7:29 A.M.-9:50 A.M. freezing drizzle 10:49 A.M. - 11:17 A.M; snow 6:06 A.M. - 6:32; 8:13 A.M.-12:18 P.M; 10:41 P.M. and continuing.
14. Snow ending at 2:17 A.M. again at 4:27 - 7:40 A.M. Clearing during the early morning. Brisk northerly winds with temperatures slipping below normal.
15. Mostly cloudy, near normal temperatures and easterly winds.
16. Cloudy, light westerlies and above normal temperatures once again. Snow 8:38 A.M. - 12:37 P.M. 7:22 P.M. and continuing.
17. Cloudy, normal temperatures, northeasterly winds. Snow ending at 10:40 A.M. starting again at 5:58 P.M. and continuing.
18. Snow ends at 10:54 A.M. Sunny during the day, brisk northerly winds and near normal temperatures. Snow again at 11:28 P.M.
19. Cloudy overnight, snow ending at 6:31 A.M. Sunny during the day with cool temperatures and brisk northerly winds.
20. Northerly winds and below normal temperatures under mostly sunny skies.
21. Sunny skies, light northerlies and below normal temperatures.
22. Sunny skies, light northerlies and below normal temperatures.
23. Maximum temperature near normal but minimum's still well below normal. Sunny and light winds.
24. Cloudy, brisk southerlies and temperatures rising above normal. Snow 8:37 A.M. - 10:14 and 11:56 A.M. - 12:23 P.M.
25. Cloudy, continuing mild and brisk southerly winds. Snow 3:38 A.M. and continuing throughout the day.
26. Snow ending at 7:20 A.M. Cloudy skies and temperatures returning to normal values. Winds shifting to brisk northerly.
27. Early morning clearing, below normal temperatures and light northerlies.
28. Mostly sunny with light winds. Smoke over city in morning, near normal temperatures.
29. Above normal temperature. Mostly cloudy. Snow 12:58 P.M. continuing drizzle 7:51 P.M. to 8:27 P.M. Mostly light winds but S gust to 46 Km/h in morning.
30. Mild. Partly cloudy, snow to 0042 A.M. drizzle 0023 A.M. to 0151 A.M. Mostly light winds but SSE gust to 37 Km/h in morning.
31. Above normal temperature. Cloudy, snow 0350 A.M. to 7:08 A.M. 8:59 A.M. continuing. Rain 4:42 A.M. to 6:33 P.M. Light fog, visibility restricted. Some basements fields flooded. Moderate winds with NNE gust to 41 Km/h in late evening.

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.	-11.0	-10.4	-10.1	-9.8	-9.7	-9.5	-9.5	-9.7	-9.5	-9.2	-8.8	-8.2	-7.4	-6.7	-6.4	-5.7	-4.6	-3.7	-3.0	-2.7	-2.7	-2.4	-2.4	-2.4
2.	-2.5	-2.6	-2.5	-2.1	-2.3	-2.3	-2.0	-2.1	-2.1	-1.9	-1.7	-1.9	-1.6	-1.2	-1.2	-1.2	-1.2	-2.2	-2.2	-2.5	-2.7	-1.1	-1.1	-1.1
3.	-5	-7	-6	-1.1	-1.3	-1.6	-1.7	-1.7	-1.7	-1.6	-1.6	-1.1	-0.8	-4	-1	2	2	4	3	0.0	2	2	1	3
4.	-2	2	1	-1.1	-1.1	-3	-5	-6	-6	-5	-3	-2	-5	-4	-5	-3	-1	-2	-2	-1	-1	-2	-2	-3
5.	-4	-4	-5	-4	-5	-6	-5	-3	-3	-3	-1	-1	-1	2	3	2	4	2	2	4	3	2	3	4
6.	4	2	2	2	2	3	2	2	2	3	1	-1	-1	-1	-5	-1.4	-1.1	-2.1	-1.3	-1.7	-2.6	-3.4	-3.4	-5.1
7.	-5.8	-8.6	-10.2	-10.8	-12.1	-13.0	-13.2	-14.0	-15.0	-14.3	-15.1	-15.3	-14.9	-15.3	-15.7	-14.9	-15.3	-15.6	-15.7	-15.7	-16.1	-16.3	-16.7	-16.7
8.	-16.7	-17.1	-16.8	-16.8	-16.8	-16.8	-16.9	-17.6	-18.7	-17.8	-16.0	-14.2	-12.4	-12.4	-12.2	-11.7	-11.4	-11.8	-12.0	-12.3	-13.2	-14.3	-15.2	-15.1
9.	-15.4	-15.0	-16.0	-16.5	-17.0	-17.6	-17.5	-18.0	-17.9	-16.5	-15.0	-14.2	-13.8	-13.1	-12.8	-13.2	-12.5	-12.7	-12.6	-12.7	-12.7	-13.3	-13.4	-13.6
10.	-13.7	-13.8	-13.5	-13.8	-14.4	-14.5	-14.6	-14.9	-14.7	-14.3	-13.9	-13.5	-12.7	-11.5	-10.8	-10.6	-10.6	-9.5	-9.6	-9.6	-9.5	-10.2	-10.5	-10.3
11.	-10.7	-10.9	-11.3	-11.0	-10.6	-10.3	-9.9	-9.4	-8.9	-8.2	-7.4	-6.4	-5.7	-4.8	-4.3	-3.6	-3.0	-2.7	-2.7	-2.8	-2.9	-3.1	-3.3	-3.9
12.	-3.4	-3.4	-3.7	-3.4	-4.1	-4.3	-4.1	-3.5	-3.2	-2.7	-2.6	-2.4	-1.7	-1.1	-0.9	-0.7	-0.4	-0.6	-0.4	-0.2	-0.1	0.0	0.0	0.0
13.	1	-2	-2	-2	-2	-2	-1.1	-1.4	-1.1	-1.0	-0.8	-1.1	-1.6	-2.5	-3.5	-5.1	-6.4	-8.0	-8.9	-10.2	-10.7	-11.3	-11.7	-12.2
14.	-12.4	-13.1	-13.6	-14.2	-14.4	-15.0	-15.8	-16.2	-16.7	-16.4	-16.1	-14.6	-14.0	-13.1	-12.7	-12.1	-11.6	-11.0	-11.3	-10.8	-11.2	-10.6	-10.6	-10.0
15.	-10.6	-11.0	-12.2	-12.1	-12.0	-11.5	-12.0	-11.0	-10.1	-9.6	-8.3	-7.8	-7.0	-6.8	-6.8	-7.2	-6.8	-6.6	-7.2	-6.7	-6.4	-6.8	-6.6	-6.6
16.	-6.2	-5.7	-6.3	-6.7	-7.0	-6.7	-6.7	-6.5	-6.6	-6.7	-7.0	-6.1	-5.1	-5.6	-6.6	-5.1	-5.3	-5.4	-5.1	-5.4	-5.1	-5.0	-4.8	-5.3
17.	-5.2	-5.1	-6.0	-6.1	-6.2	-5.7	-6.5	-7.2	-7.6	-8.0	-7.8	-7.3	-7.0	-6.5	-6.5	-6.1	-6.6	-6.7	-6.7	-7.3	-7.1	-7.5	-8.5	-8.2
18.	-9.4	-9.8	-10.8	-10.6	-11.0	-11.4	-11.4	-11.6	-12.2	-12.6	-12.1	-11.6	-10.8	-10.4	-10.3	-10.4	-10.9	-11.6	-12.2	-11.9	-12.5	-13.1	-13.1	-13.3
19.	-12.2	-12.4	-11.5	-11.0	-10.6	-10.2	-10.5	-10.9	-11.4	-12.7	-12.7	-11.6	-10.8	-10.5	-10.8	-10.1	-10.8	-11.8	-11.8	-11.2	-12.8	-13.0	-12.9	-13.1
20.	-13.4	-13.6	-14.3	-14.6	-14.8	-14.5	-15.4	-15.7	-15.8	-15.7	-15.5	-14.3	-13.9	-13.9	-14.7	-14.8	-15.8	-16.4	-15.4	-13.9	-15.1	-14.3	-14.5	-13.6
21.	-13.7	-13.7	-14.4	-15.0	-15.3	-16.0	-16.3	-16.7	-17.1	-17.5	-16.0	-15.8	-15.2	-14.8	-15.1	-15.5	-14.2	-14.8	-15.4	-14.5	-13.9	-14.8	-15.3	-15.5
22.	-15.3	-15.9	-16.4	-17.2	-17.8	-18.0	-18.3	-18.5	-17.6	-16.5	-15.6	-16.1	-16.1	-16.9	-15.7	-16.0	-15.0	-14.3	-14.8	-14.5	-13.0	-13.0	-13.2	-14.4
23.	-10.4	-11.6	-15.2	-16.0	-16.2	-17.4	-17.8	-17.2	-15.1	-12.4	-11.6	-15.7	-14.8	-14.7	-14.7	-13.8	-13.6	-12.1	-13.0	-12.2	-10.2	-11.0	-10.7	-10.2
24.	-14.0	-11.2	-12.7	-13.0	-12.4	-12.4	-12.6	-12.2	-10.8	-8.7	-5.8	-5.1	-4.6	-4.3	-4.3	-3.9	-3.1	-2.7	-2.3	-1.9	-1.8	-1.9	-2.1	-2.7
25.	-2.7	-3.4	-3.4	-3.5	-3.6	-3.2	-3.2	-3.0	-2.5	-2.1	-3.5	-1.6	-1.6	-1.1	-1.1	-0.7	-0.5	-0.5	-0.3	-0.2	-0.2	-0.1	-0.6	-4.3
26.	-5.2	-6.9	-7.6	-8.0	-8.6	-8.6	-8.6	-9.2	-9.6	-9.4	-9.0	-9.6	-8.5	-8.6	-8.3	-8.7	-9.1	-8.5	-7.5	-8.5	-9.4	-10.3	-11.1	-12.0
27.	-11.6	-11.5	-11.5	-11.7	-12.7	-12.7	-11.7	-12.2	-12.2	-12.2	-11.6	-10.7	-9.9	-9.6	-8.6	-10.2	-9.8	-9.3	-10.0	-10.3	-10.6	-11.9	-10.2	-10.3
28.	-10.4	-11.5	-12.1	-12.4	-13.4	-14.5	-14.9	-14.3	-13.3	-11.6	-10.0	-9.2	-6.9	-6.7	-6.9	-8.2	-7.1	-6.3	-5.7	-5.5	-5.0	-4.9	-5.3	-5.6
29.	-5.3	-5.3	-5.2	-5.6	-4.3	-5.8	-4.4	-3.5	-3.5	-3.5	-3.5	-3.3	-2.7	-1.9	-1.9	-0.9	-0.4	-0.3	-0.1	-0.2	-0.2	-0.5	-0.8	-1.1
30.	-4.6	-5	-6	-1.2	-1.2	-1.6	-1.9	-1.7	-1.7	-1.3	-1.1	2	5	1.8	3.1	2.6	2.1	2.2	2.3	2.7	2.5	2.3	2.2	1.6
31.	1.3	9	4	-1	-4	0.0	3	6	6	4	5	5	6	6	4	5	1	1	-1	-2	-2	0.0	-4	-3

MEAN -7.5 -7.9 -8.2 -8.4 -8.7 -8.8 -9.0 -8.9 -8.8 -8.5 -8.0 -7.7 -7.1 -6.8 -6.7 -6.6 -6.5 -6.4 -6.4 -6.5 -6.8 -6.9 -7.1

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	-6.8	-1.3	-0.5	-0.1	0.0	-0.7	-13.9	-14.9	-14.6	-12.2	-6.5	-1.9	-4.3	-13.1	-8.6	-5.8

MEAN DAILY DEWPOINT BASED ON HOURLY READINGS

DATE	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
MEAN	-6.7	-11.4	-11.5	-14.6	-15.2	-15.7	-13.8	-6.7	-1.9	-8.7	-10.9	-9.1	-2.6	0.6	0.3

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

