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MONTHLY METEOROLOGICAL SUMMARY SOMMAIRE MÉTÉOROLOGIQUE MENSUEL

MONTH/MOIS

MARCH / MARS

19 82

AT/A 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: 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	AVERAGE SPEED VITESSE MOYENNE	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			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	
1	-12.5	-18.2	-15.4	33.4	0.0	77	61					4	24.5	WNW	NW37 *	7.8
2	-15.5	-24.2	-19.9	37.9	0.0	81	67					3	15.3	NNE	N 22	10.1
3	-8.9	-24.0	-16.5	34.5	0.0	87	60			0.2	0.2	3	10.9	S	SSW 24	5.9
4	-9.3	-17.8	-13.6	31.6	0.0	82	48			0.2	0.2	3	19.3	WNW	NW31 *	10.0
5	-5.6	-18.7	-12.2	30.2	0.0	79	59			TR.	TR.	3	23.4	W	SSW 41	9.2
6	-8.9	-24.4	-16.7	34.7	0.0	78	53			TR.	TR.	3	26.7	NNW	N 50	9.4
7	-12.4	-26.4	-19.4	37.4	0.0	79	55					3	10.2	SE	ENE24	8.8
8	-13.9	-25.3	-19.6	37.6	0.0	73	53					3	14.0	NW	NW24	10.1
9	-7.4	-20.5	-14.0	32.0	0.0	81	54			0.2	0.2	3	34.0	S	S 57	0.3
10	-5.7	-15.3	-10.5	28.5	0.0	86	61			TR.	TR.	3	17.4	N	N 33	4.4
11	-1.6	-17.2	-9.4	27.4	0.0	85	69					3	32.5	SSE	SSE63	6.2
12	2.0	-3.3	-0.7	18.7	0.0	97	76			7.8	3.2	3	36.0	S/SSE	WNW 57	0.0
13	-2.1	-8.7	-5.4	23.4	0.0	87	60			TR.	0.6	3	48.9	WNW	WNW 81	8.6
14	3.5	-11.0	-3.8	21.8	0.0	97	58			2.4	TR.	2	21.0	SE	SE 39 *	6.4
15	3.8	0.9	2.4	15.6	0.0	93	76			0.8	TR.	1	28.7	SSE	SSE46	0.0
16	3.5	0.0	1.8	16.2	0.0	97	85			TR.	TR.	TR.	14.1	NNE	NNE 26	0.8
17	1.2	-9.7	-4.3	22.3	0.0	98	83					1	33.0	NNE	NNE 48	0.1
18	-9.0	-14.5	-11.8	29.8	0.0	83	71			TR.	2.6	2	23.9	N	NNE 37	9.5
19	0.0	-11.7	-5.9	23.9	0.0	77	49					2	17.9	E	NE 26	9.4
20	0.7	-11.7	-5.5	23.5	0.0	77	43					2	19.9	NNE	NNE 33	11.0
21	4.2	-7.6	-1.7	19.7	0.0	91	68					1	15.0	W	WNW 22*	5.6
22	1.8	-7.0	-2.6	20.6	0.0	96	74			TR.	TR.	TR.	13.9	S	S 28*	0.5
23	2.3	-2.9	-0.3	18.3	0.0	98	78			TR.	0.2	TR.	14.8	SSW	NW 31	0.2
24	-2.3	-9.5	-5.9	23.9	0.0	82	64			TR.	TR.	TR.	34.3	NW/NNW	NW 44*	2.4
25	-5.0	-13.1	-9.1	27.1	0.0	80	60					TR.	14.4	NE	N 20	10.5
26	-2.2	-13.4	-7.8	25.8	0.0	78	44					TR.	12.5	E	NNE 19*	11.2
27	1.7	-9.2	-3.8	21.8	0.0	77	48					TR.	35.3	SSE	S 54	6.8
28	8.2	-0.5	3.9	14.1	0.0	90	60					TR.	18.5	S	S 43	9.2
29	5.8	1.9	3.9	14.1	0.0	91	74			TR.	TR.	TR.	28.3	SE	ESE 37*	0.0
30	4.8	0.3	2.6	15.4	0.0	97	93			14.2	1.8	TR.	24.4	ESE	NW 41	0.0
31	2.4	-8.4	-3.0	21.0	0.0	87	56			TR.	0.2	TR.	42.8	NW	WNW 57	4.0
MEAN MOYENNE	-2.5	-12.0	-7.3	782.2	0.0	86	63			25.2	9.4	35.8	23.4	S DOMINANTE	WNW 81	178.4
NORMAL NORMALE	-2.9	-13.3	-8.1	809.8	2.9	89	63	0.1	6.1	21.1	26.2	Mo. End 5	19.6	South	56	170.4

DEGREE-DAY SUMMARY - SOMMAIRE DE DEGRÉS-JOURS

DAYS WITH TOTAL PRECIPITATION:
JOURS AVEC PRÉCIPITATIONS
TOTALES:

DAYS WITH SNOWFALL:
JOURS AVEC CHÔTE DE NEIGE:

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	mm					cm				
								0.2 OR MORE	1.0 OR MORE	2.0 OR MORE	10.0 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	782.2	589.7	809.8	TOTAL FOR MONTH TOTAL DU MOIS	0.0	3.0	2.9	0	4	4	2	0	10	3	2	0	0
ACCUMULATED SINCE JULY 1 ACCUMULÉE DEPUIS LE 1 ^{er} JUILLET	5092.8	4710.2	5134.5	ACCUMULATED SINCE APRIL 1 ACCUMULÉE DEPUIS LE 1 ^{er} AVRIL	1844.1	1919.3	1790.7	11	4	4	2	0	10	3	2	0	0

UDC 551.506.1 (

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

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25.2 mm of rainfall was the most recorded for the month of March since 1946. There are only 6 greater amounts on record. 9.4 cm of snowfall was far below the normal 21.1. Sunshine was slightly above normal with 178.4 hours. The mean temperature was also slightly above normal. The mean wind was 23.4km/h, above the normal 19.6km/h. Gusts reached as high as 106km/h on the morning of the 13th.

DAILY WEATHER SUMMARY FOR MARCH 1982

AT WINNIPEG, MANITOBA

All Times Central Standard Not Daylight

1. Below normal temp. Mostly sunny. Moderate winds with NNW gust to 52km/h in afternoon. Drifting snow.
2. Cold-sunny. Mostly light winds but N gust to 33km/h in morning.
3. Below normal temp.-partly cloudy. Snow 9:04 AM to 11:20 AM. Ice crystals 8:55 PM to 10:14 PM. Mostly light winds but SSE gust to 37km/h in afternoon. Plane crashed near northern tip of Lake Winnipegosis during early afternoon white out. Pilot died & nurse rescued next day with broken bones and frost bite.
4. Near normal temp.-sunny. Snow 00:16 AM to 6:05 AM. Mostly light winds but NW gust to 43km/h in afternoon.
5. Near normal temp.-mostly sunny. Snow 10:35 PM to 11:32 PM. Moderate winds with SW gust to 56km/h in afternoon.
6. Below normal temp.-mostly sunny. Snow 00:50 AM to 3:10 AM. Ice crystals 10:17 AM to 2:38 PM. Blowing snow 01:05 AM to 3:25 AM. Visibility restricted in morning. Moderate winds with N gust to 74km/h in morning. Drifting snow.
7. Cold-mostly sunny-light winds. Light fog in morning. Smoke over city in morning.
8. Cold-sunny. Mostly light winds but NW gust to 33km/h in afternoon.
9. Below normal temp.-cloudy. Snow gains 12:47 PM to 2:33 PM. Snow 2:33 PM to 7:57 PM. Blowing snow 2:05 PM to 4:44 PM. Visibility restricted late afternoon and early evening. Moderate winds with SSE gust to 74km/h in morning. Drifting snow afternoon and evening.
10. Near normal temp.-cloudy, clearing mid afternoon. Snow 9:22 AM to 12:28 PM. Mostly light winds but NNE gusts to 44km/h in afternoon. Drifting snow.
11. Slightly above normal temp.-partly cloudy. Moderate winds with SSE gust to 85km/h late afternoon. Numerous water main breaks about this time.
12. Mild-cloudy. Rain showers 7:52 AM to 9:35 AM. Rain 9:35 AM to 9:58 AM-11:20 AM to 11:28 AM-9:42 PM to 9:55 PM. Snow 9:20 AM to 11:28 AM-1:00 PM to 6:40 PM, 10:59 PM cont. freezing rain. 9:58 AM to 10:20 AM-9:55 PM to 11:03 PM drizzle. 12:32 PM to 1:00 PM freezing drizzle. 10:50 PM to 10:55 PM ice pellets. 10:50 AM to 11:10 AM-1:00 PM to 1:22 PM visibility reduced, numerous accidents - cars went off highways. Moderate winds with WNW gust to 93km/h late evening. Very icy. Drifting snow and light fog in afternoon.
13. Mild-cloudy, clearing mid morning. Snow to 7:46 AM. Ice pellets 00:28 AM to 01:11 AM. Freezing drizzle 00:44 AM to 00:49 AM. Blowing snow 01:11 AM to 7:46 AM. Visibility reduced in morning. Record breaking hourly winds. Store windows blown in. Drifting snow. Gust to WNW 106km/h in morning. Drifting snow.
14. Mild-partly cloudy. Ice pellets 4:56 PM to 5:19 PM---8:51 PM to 9:47 PM. Rain shower or rain 5:02 PM continued. Moderate winds with SE gust to 54km/h in evening.
15. Mild-cloudy. Rain to 02:15 AM-9:40 AM to 11:31 AM. 3:57 PM continued snow. 7:48 PM continued light fog in evening. Visibility restricted, moderate winds with SSE gust to 61km/h in morning.
16. Mild-cloudy. Rain to 1:35 AM -- 8:46 PM to 11:13 PM. Snow to 00:40 AM. Light fog in morning, visibility restricted. Mostly light wind but NNE gust to 33km/h in afternoon.
17. Above normal temp.-cloudy. Snow 00:44 AM to 11:55 PM. Blowing snow 2:10 PM to 4:50 PM. Visibility restricted. Drifting snow. Moderate winds with NNE gust to 57km/h in afternoon.
18. Below normal temp.-mostly sunny. Snow 02:23 AM to 5:00 AM. Ice crystals 5:00 AM to 2:10 PM. Moderate winds with NNE gust to 52km/h in morning. Drifting snow.
19. Above normal temp.-sunny. Mostly light winds but with ENE gust to 37km/h in afternoon. 3 armed forces servicemen killed when training aircraft crashed about 5:00 PM, 25 kms W of Portage. At Churchill 21 escaped injury when twin engine plane belly landed about 2:30 PM in tundra.
20. Above normal temp.--sunny. Mostly light winds but NNE gust to 46km/h in afternoon.
21. Mild-cloudy-clearing early afternoon. Snow 7:21 AM to 11:12 AM. Mostly light winds but NW gust to 31km/h early afternoon. Visibility restricted in snow.
22. Mild-cloudy. Freezing drizzle 10:57 AM to 11:20 AM. Snow grains 10:57 AM to 1:54 PM. Snow 9:25 PM to 10:27 PM. Heavy fog 7:23 AM to 8:55 AM. Light fog till late morning. Mostly light winds but S gust to 41km/h in afternoon. Visibility severely restricted. in morning.
23. Mild-cloudy. Snow 9:07 AM to 10:35 AM-11:40 AM continued. Rain 3:50 PM to 6:15 PM. Ice pellets 3:52 PM to 4:20 PM. Visibility restricted most of day. Light fog. Mostly light winds but NW gust to 61km/h late evening.
24. Near normal temp.-mostly cloudy. Snow to 00:10 AM. 8:16 AM to 6:54 PM visibility slightly restricted. Moderate winds with NNW to 59km/h in morning.
25. Below normal temp.-mostly sunny-light winds.
26. Below normal temp.-mostly sunny-light winds.
27. Above normal temp.-sunny becoming cloudy mid afternoon. Snow 7:58 PM to 10:10 PM. Moderate winds with S gust to 76km/h in evening.
28. Mild-sunny. Mostly light winds but S gust to 59km/h early morning.
29. Mild-cloudy. Rain showers 9:40 AM to 10:15 AM. Drizzle 5:12 PM continued. Light fog afternoon and evening-visibility restricted. Moderate winds with SE gust to 61km/h late morning.
30. Mild-cloudy. Drizzle to 4:09 AM---7:54 AM to 12:35 PM. 1:53 PM to 3:48 PM rain-00:45 continued. Snow 7:49 PM continued. Light fog till mid evening. Visibility restricted. Moderate winds with NW gust to 54km/h late evening.
31. Normal temp.-partly cloudy. Snow to 00:40 AM. Snow or flurries 8:45 AM to 12:35 PM. Rain to 2:46 AM. Visibility restricted in snow. Strong winds with WNW gust to 76km/h in morning.

HOURLY WETBULB TEMPERATURES AT WINNIPEG INTERNATIONAL AIRPORT FOR THE MONTH OF MARCH 1982

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.	-14.6	-15.3	-16.7	-16.3	-16.5	-16.0	-16.9	-17.0	-16.5	-16.0	-15.5	-14.7	-14.5	-14.2	-13.7	-13.3	-14.0	-14.4	-15.0	-15.5	-16.0	-16.2	-17.2	-17.9
2.	-18.2	-18.8	-19.4	-20.5	-21.1	-21.8	-22.5	-23.0	-22.8	-21.7	-21.1	-19.7	-18.7	-17.5	-17.3	-17.0	-16.5	-16.4	-17.5	-17.6	-19.8	-19.6	-22.9	-23.8
3.	-23.2	-24.0	-23.4	-22.8	-19.6	-18.6	-18.5	-18.0	-17.9	-17.5	-16.5	-15.0	-13.2	-12.0	-11.1	-10.3	-10.1	-10.2	-10.6	-10.7	-10.9	-11.4	-12.1	-12.0
4.	-12.5	-12.6	-12.5	-12.0	-11.7	-12.7	-15.2	-17.2	-17.9	-16.4	-15.5	-13.5	-12.2	-11.8	-11.7	-11.4	-11.2	-11.4	-12.4	-14.2	-15.8	-15.0	-16.6	-17.3
5.	-16.3	-16.0	-16.8	-18.4	-18.0	-18.5	-18.4	-18.3	-17.3	-16.1	-14.5	-13.5	-12.0	-10.5	-8.7	-7.6	-7.6	-7.4	-9.4	-10.0	-9.4	-9.5	-9.5	-9.6
6.	-9.6	-9.5	-13.2	-16.4	-18.4	-20.0	-20.7	-21.8	-21.9	-21.0	-20.3	-20.1	-19.6	-18.2	-18.5	-18.2	-18.2	-17.9	-18.3	-20.3	-21.1	-24.3	-24.4	-21.8
7.	-21.8	-23.7	-25.0	-25.9	-25.7	-25.5	-25.3	-24.9	-23.8	-20.3	-18.6	-17.1	-16.3	-15.7	-14.6	-13.9	-13.7	-13.9	-14.3	-15.4	-17.2	-17.8	-17.9	-18.0
8.	-18.2	-18.5	-20.8	-21.9	-22.9	-23.4	-23.6	-24.7	-23.4	-22.0	-20.4	-18.6	-17.5	-16.3	-15.6	-15.3	-15.5	-15.3	-16.3	-17.3	-18.0	-17.6	-18.0	-18.4
9.	-19.0	-18.7	-18.3	-18.5	-19.3	-19.8	-19.6	-18.8	-17.4	-16.4	-15.4	-14.5	-13.0	-12.6	-11.7	-11.5	-11.0	-10.4	-10.0	-9.3	-8.2	-8.2	-8.5	-9.0
10.	-9.4	-10.3	-9.8	-9.7	-9.7	-10.7	-9.7	-9.3	-9.1	-8.4	-7.9	-7.3	-7.9	-8.1	-7.9	-7.4	-7.2	-7.7	-8.2	-9.9	-11.2	-12.7	-13.8	-14.4
11.	-15.0	-16.3	-14.7	-16.5	-15.9	-15.0	-14.3	-14.2	-11.6	-9.4	-7.3	-6.4	-6.4	-5.2	-4.9	-4.7	-4.1	-4.6	-4.4	-4.1	-3.9	-3.8	-3.6	-3.6
12.	-3.0	-3.0	-2.6	-1.9	-2.3	-2.2	-2.0	-1.1	.2	.9	.8	.7	.9	.8	.3	.7	.9	.5	0.0	-.3	-.8	-1.3	-2.0	-2.8
13.	-3.8	-5.1	-6.0	-6.5	-6.9	-6.6	-6.7	-6.5	-6.0	-5.8	-5.9	-5.5	-5.0	-4.5	-4.4	-4.5	-4.2	-4.4	-4.9	-6.2	-7.1	-7.6	-8.6	-8.8
14.	-9.2	-10.3	-10.5	-9.9	-10.2	-10.7	-11.0	-10.4	-9.2	-6.8	-4.7	-3.4	-1.8	-2.0	-1.9	-2.2	-1.3	.3	.3	.3	.5	.8	.8	.7
15.	.8	1.1	1.2	1.8	1.8	1.5	1.4	1.1	1.3	1.5	1.7	1.6	1.9	2.0	2.1	1.9	1.7	1.5	1.4	1.2	1.0	.9	.8	.6
16.	.5	.5	.5	.6	.6	.5	.4	0.0	.4	.8	.9	1.0	1.2	1.7	2.0	2.2	2.4	1.6	1.2	.9	.8	.8	.7	.6
17.	.6	.4	.3	.1	-.1	-.3	-.6	-.8	-1.1	-1.4	-1.7	-1.9	-3.0	-4.4	-4.5	-5.4	-5.9	-6.3	-6.5	-6.7	-6.8	-7.3	-8.3	-9.1
18.	-9.8	-10.5	-11.3	-11.8	-12.0	-12.5	-12.6	-13.5	-14.2	-14.4	-14.0	-13.3	-12.7	-11.5	-10.8	-9.9	-10.1	-10.2	-10.2	-10.3	-10.0	-10.7	-11.8	-11.8
19.	-11.7	-11.2	-10.5	-10.8	-11.0	-11.6	-11.2	-10.5	-10.1	-8.9	-7.7	-6.3	-6.3	-4.5	-3.7	-2.5	-2.1	-3.1	-4.0	-5.1	-5.8	-7.0	-7.5	-8.8
20.	-10.3	-9.6	-10.0	-9.9	-10.5	-11.1	-11.7	-12.0	-11.2	-9.8	-8.5	-7.2	-5.8	-4.8	-4.7	-4.2	-3.0	-2.3	-2.2	-4.5	-5.0	-6.6	-7.0	-7.7
21.	-8.0	-8.0	-7.7	-7.5	-7.2	-6.5	-6.1	-5.0	-3.8	-3.0	-1.6	-.9	-.5	0.0	1.0	1.5	1.7	1.5	1.0	-.5	-1.4	-1.8	-2.7	-3.2
22.	-3.5	-4.7	-5.4	-6.4	-6.6	-6.7	-6.3	-6.5	-6.5	-4.6	-2.7	-1.9	-1.4	-1.2	-1.1	-.5	-.2	.1	0.0	-.5	-.1	.1	.2	0.0
23.	-.5	-1.1	-1.1	-2.1	-2.7	-2.8	-3.0	-2.9	-1.6	-1.2	-1.0	-.2	-.1	0.0	.5	.3	.2	0.0	.1	0.0	-.3	-.8	-1.0	-1.2
24.	-3.3	-4.8	-5.2	-5.6	-6.2	-7.2	-7.7	-7.9	-8.5	-8.2	-7.9	-7.0	-6.1	-5.5	-5.0	-4.8	-4.9	-4.5	-4.9	-5.6	-6.8	-8.0	-8.8	-9.7
25.	-10.4	-10.9	-11.4	-12.0	-12.1	-12.7	-13.0	-13.2	-12.0	-10.6	-9.4	-8.7	-8.5	-7.6	-7.1	-7.0	-6.2	-6.6	-6.9	-8.0	-8.2	-8.5	-8.5	-9.2
26.	-10.0	-10.6	-11.0	-12.0	-12.2	-13.0	-13.5	-13.7	-12.8	-10.0	-8.2	-7.2	-7.0	-6.0	-6.0	-6.0	-6.0	-5.5	-5.4	-6.1	-6.2	-7.6	-8.0	-7.4
27.	-7.0	-7.7	-8.5	-9.2	-9.7	-9.7	-9.8	-9.8	-8.5	-6.8	-4.8	-2.7	-2.3	-2.3	-2.0	-1.4	-1.9	-1.5	-1.9	-2.2	-2.0	-2.0	-2.0	-1.9
28.	-1.7	-1.5	-1.0	-.7	-.3	-.8	-1.3	-1.0	-.5	1.4	2.0	2.5	2.7	3.3	4.4	4.1	4.3	3.4	3.4	3.3	2.1	2.5	3.0	2.5
29.	1.9	1.3	1.5	1.6	1.6	1.9	1.9	2.0	2.6	2.3	3.0	3.1	3.6	3.6	3.8	3.8	4.0	3.8	3.5	3.3	2.9	2.9	3.0	2.5
30.	3.0	3.5	3.8	3.6	3.8	3.7	3.5	3.5	3.5	3.6	3.7	4.0	4.2	4.4	4.4	4.0	3.8	3.5	3.1	2.0	.5	.3	.4	.6
31.	1.0	1.2	1.2	.1	-.6	-1.0	-2.0	-3.2	-3.9	-4.4	-4.3	-5.0	-5.3	-5.9	-6.1	-5.6	-5.4	-5.1	-6.2	-7.8	-8.3	-8.6	-8.8	-9.2
MEAN	-8.4	-8.8	-9.1	-9.5	-9.6	-9.9	-10.1	-10.2	-9.7	-8.7	-7.9	-7.0	-6.4	-5.9	-5.5	-5.2	-5.1	-5.1	-5.6	-6.3	-6.8	-7.2	-7.7	-7.9

