



MONTHLY METEOROLOGICAL SUMMARY SOMMAIRE MÉTÉOROLOGIQUE MENSUEL

MONTH/MOIS FEBRUARY / FEVRIER

19 83

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	PRECIPITATIONS PRÉCIPITATIONS			SNOW ON GROUND NEIGE AU SOL	WIND VENT			BRIGHT SUNSHINE INSOLATION EFFECTIVE			
	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		HOURS HEURES		
1	-6.2	-17.6	-11.9	29.9		98	61			TR.	TR.	13	20.6	N	N 35	0.0			
2	-17.1	-27.0	-22.1	40.1		74	49				TR.	13	25.9	N	N 35	6.7			
3	-19.7	-26.8	-23.3	41.3		69	54					12	13.2	NNW	NNW 19	5.7			
4	-17.5	-28.3	-22.9	40.9		73	56			TR.	TR.	12	8.4	WNW	WNW 13	1.9			
5	-20.0	-31.1	-25.6	43.6		74	53			TR.	TR.	12	9.5	N	NNE 19	8.5			
6	-14.8	-31.1	-23.0	41.0		75	53			TR.	TR.	12	16.4	S	SSE 31	4.9			
7	-12.8	-21.0	-16.9	34.9		77	60			0.2	TR.	12	17.0	N	NNE 26	5.9			
8	-12.3	-20.4	-16.4	34.4		74	63					12	14.0	NNE	NNE 20	6.0			
9	-5.2	-17.3	-11.3	29.3		87	67			0.4	TR.	12	10.2	SE	ESE 19	2.6			
10	-3.1	-7.6	-5.4	23.4		94	80			4.8	4.8	12	14.0	SE	SSE 20	0.0			
11	-4.1	-15.7	-9.9	27.9		94	79			TR.	TR.	20	10.4	WNW	NW 19	3.0			
12	0.9	-13.2	-6.2	24.2		93	85			TR.	TR.	20	35.9	SE	SSE 57	0.0			
13	4.2	-3.1	0.6	17.4		93	73			TR.	TR.	12	19.0	S	S 35	8.7			
14	-2.8	-6.3	-4.6	22.6		95	81			TR.	0.4	6	11.5	NNW	NNW 19	0.0			
15	0.1	-4.8	-2.4	20.4		100	89			TR.	TR.	5	21.0	S	S 30	0.0			
16	0.5	-13.4	-6.5	24.5		100	73					5	20.2	NW	N 33	3.6			
17	-11.9	-17.1	-14.5	32.5		86	68					9	18.5	NNE	NNE 24	0.0			
18	-5.0	-14.7	-9.9	27.9		97	73		0.5	3.4	2.9	10	19.1	E	E 26	0.0			
19	-5.4	-9.2	-7.3	25.3		97	82		0.7	TR.	0.7	12	17.9	N	N 24	0.0			
20	-6.1	-11.3	-8.7	26.7		88	71			TR.	TR.	10	10.2	SSE	SSE 17	0.7			
21	-1.3	-10.1	-5.7	23.7		96	81			TR.	TR.	12	28.7	SSE	SSE 52	6.4			
22	1.0	-8.8	-3.9	21.9		95	71					12	14.7	W	W 22	8.5			
23	-2.6	-14.8	-8.7	26.7		95	69			TR.	TR.	11	12.8	N	N 24	0.2			
24	-5.0	-17.6	-11.3	29.3		91	66			TR.	TR.	11	6.7	SE	SSE 15	8.9			
25	-1.0	-9.7	-5.4	23.4		80	65					11	34.3	SSE	SSE 52	7.1			
26	2.2	-2.1	0.1	17.9		87	80					10	25.0	S	S 37	3.1			
27	2.2	-7.6	-2.7	20.7		97	79		1.9	0.6	2.5	6	22.7	N	N 33	0.0			
28	-7.3	-10.3	-8.8	26.8		87	77			TR.	TR.	6	18.5	N	N 24	0.0			
29																			
30																			
31																			
MEAN MOYENNE	-6.1	-14.9	-10.5	798.6		88	70			3.1	15.0	15.1		17.7	PREVAILING DOMINANTE	MAXIMUM 57	TOTAL 92.4		
NORMAL NORMALE	-10.1	-21.0	-15.6	948.6	0.0	88	69	0.0	0.7	18.9	17.5	23	18.1	S		57	144.2		
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	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		798.6	911.0	948.6	TOTAL FOR MONTH TOTAL DU MOIS		0.0	0.0	0.0	6	4	4	0	0	7	3	3	0	0
ACCUMULATED SINCE JULY 1 ACCUMULÉE DEPUIS LE 1 ^{ER} JUILLET		3958.5	4310.6	4383.2	ACCUMULATED SINCE APRIL 1 ACCUMULÉE DEPUIS LE 1 ^{ER} AVRIL		1706.4	1783.3	1787.8	6	4	4	0	0	7	3	3	0	0

UDC 551.506.1 (*INDICATES MORE THAN ONE OCCURRENCE OF SAME SPEED BUT NOT NECESSARILY THE SAME DIRECTION.)

NEW SUBSCRIBERS-\$1.50 MONTHLY: \$15.00 JAN-DEC.
\$3.00 ANNUAL: \$18.00 MTH & ANNUAL
ALL RENEWALS EFFECTIVE JAN.1/83 - COSTS ARE THE SAME AS FOR NEW SUBSCRIBERS

CLIMATOLOGICAL SUMMARY FOR FEBRUARY 1983

AT WINNIPEG, MANITOBA

February's mean temperature of -10.5°C becomes the second warmest on record since 1954, the warmest having been in 1981. At the same time, the minimum temperature of -31.1°C recorded on the 5th and 6th of the month now stands as the coldest temperature for this winter. The warmest day was 4.2°C on the 13th.

Total sunshine of 92.4 hours was well below the normal of 144.2 hours, making February the third consecutive month of below normal sunshine, and also the cloudiest February since 1951. Snowfall of 15.0 cm is 79% of normal for the month. However, above normal rainfall of 3.1 mm brought the total precipitation for the month to within 87% of the normal. The mean wind of 17.7 KM/H was near the normal of 18.1 KM/H.

DAILY WEATHER SUMMARY FOR FEBRUARY 1983

AT WINNIPEG, MANITOBA

1. Cloudy, above normal temperatures and light winds. Snow 10:40 A.M. - 10:50 P.M., 11:16 A.M. - 2:20 P.M., 7:20 P.M. and continuing, freezing drizzle 8:35 A.M. - 9:32 A.M., 10:50-11:08 A.M., 12:57 P.M. - 1:38 P.M.
2. Cloudy, clearing during the day, temperatures slipping below normal with brisk north winds. Snow ending at 4:41 A.M. in ice crystals 4:41 A.M. - 5:50 A.M.
3. Clearing during the day. Light northeast winds. Temperatures still below normal.
4. Becoming cloudy in the afternoon, light winds, temperatures near normal. Snow 10:38 A.M. - 12:07 P.M. Again at 8:13 P.M. and continuing.
5. Snow ending at 2:45 A.M. Clearing and turning cold, light north winds.
6. Sunny, brisk southeast winds, temperatures rising to near normal values. Ice crystals 2:28 - 2:37 A.M., 3:44 - 9:45 A.M. and 8:50 P.M. - 10:43 P.M.
7. Cloudy overnight with flurries, then clearing during the day. Light winds and normal temperatures. Snow 3:10 A.M. - 12:47 P.M. Ice crystals 1:29 - 2:09 P.M.
8. Sunny, light winds and normal temperatures.
9. Cloudy, southeast winds, above normal temperatures. Snow 12:35 A.M. and continuing to 2:35 P.M. Again at 8:33 P.M. and continuing.
10. Cloudy, light southeast winds and mild. Snow ending at 8:15 A.M. Snow starting again at 10:30 A.M. and continuing throughout the day.
11. Cloudy, brisk northwest winds, above normal temperatures, snow ending at 1:50 P.M.
12. Cloudy, overnight fog, strong southeast winds, much above normal temperatures. Ice crystals 1:22 - 5:58 A.M. Blowing snow 8:20 A.M. - 3:45 P.M., 3:57 - 4:15 P.M.
13. Clearing overnight, sunny throughout the day, light southerly winds with temperatures remaining well above normal. Snow starting at 11:13 P.M.
14. Becoming cloudy overnight; light northwest winds, temperatures dropping only slightly; snow ends 0:12 A.M. again at 01:40 A.M. - 2:10 A.M., 2:28 - 3:55 A.M. Freezing rain 3:33 A.M. - 4:05 A.M. Ice pellets 4:04 A.M. - 5:31 A.M. Snow 10:24 - 10:28 A.M.
15. Fog throughout the day, light southerly winds and mild temperatures. Freezing drizzle 1:59 A.M. - 10:55 A.M., 5:12 P.M. - 5:28 P.M. 6:29 - 9:57 P.M.
16. Overnight fog, cloudy, brisk northwest winds and temperatures cooling slightly.
17. Cloudy temperatures nearing normal values. Snow 3:17 A.M. - 3:29 A.M. again at 3:40 A.M. and continuing throughout the day.
18. Cloudy, continuing mild, brisk easterly winds. Snow ending at 6:21 A.M. Again at 6:48 A.M. - 9:23; 9:40 and continuing. Freezing drizzle at 7:15 P.M. and continuing.
19. Snow ending at 00:15 A.M. Again at 12:36 - 12:34 P.M. Freezing drizzle ending at 12:36 P.M. Cloudy, north winds and continuing above normal temperatures.
20. Cloudy, light west winds and temperatures still slightly above normal. Snow 10:40 A.M. - 12:35 P.M.
21. Partly cloudy, above normal temperatures and strong southerly winds. Snow 4:21 A.M. - 4:43 A.M.
22. Sunny, some early morning fog patches, light westerly winds and continuing above normal temperatures.
23. Mostly cloudy, overnight minimums slipping to near normal values. Brisk northerly winds. Snow 10:56 - 11:42 A.M.
24. Sunny, a few morning fog patches, near normal temperatures. Light winds. Ice crystals 4:37 - 5:21 A.M. and 5:32 - 6:28 A.M.
25. Mostly sunny. Brisk southerly winds and continuing above normal temperatures. Clouding over during the evening.
26. Cloudy skies, southerly winds and persisting mildness.
27. Continuing cloudiness, dull day, some fog, rain and drizzle. Winds shifting to northerly but temperatures remaining above normal. Drizzle 4:50 A.M. - 10:43 A.M. Rain 8:06 A.M. - 12:15 P.M. Freezing rain 12:15 P.M. - 1:36 P.M. Snow 12:15 P.M. - 1:11 P.M. Again at 3:21 P.M. and continuing throughout the evening.
28. Snow ending at 1:10 A.M. Skies were mostly cloudy and temperatures slipping to near normal values under a northerly circulation. Periods of snow throughout the morning 4:41-4:52 A.M. 6:12-7:40 A.M. 8:19 A.M. - 12:18 P.M.

HOURLY DEWPOINT TEMPERATURES AT WINNIPEG INTERNATIONAL AIRPORT FOR THE MONTH OF FEBRUARY 1983
 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.	-11.6	-11.5	-10.5	-10.4	-9.8	-9.4	-9.2	-8.8	-8.1	-8.0	-7.4	-7.5	-7.9	-9.6	-9.2	-9.2	-10.4	-10.5	-10.6	-12.2	-14.3	-15.4	-20.5	-19.4
2.	-21.6	-22.2	-22.8	-23.2	-24.1	-24.9	-25.2	-25.6	-27.1	-27.0	-26.8	-25.8	-27.4	-27.1	-27.3	-28.1	-28.0	-28.3	-29.0	-29.3	-29.4	-30.6	-31.1	-31.6
3.	-32.0	-31.6	-30.0	-29.3	-29.3	-29.6	-29.4	-28.8	-28.5	-27.8	-27.2	-26.6	-26.6	-25.7	-26.9	-26.3	-26.7	-27.2	-28.1	-28.4	-29.5	-30.2	-30.7	-30.4
4.	-31.6	-31.6	-32.6	-32.0	-32.6	-30.9	-30.7	-31.9	-30.0	-29.0	-27.6	-26.2	-26.8	-24.9	-24.1	-24.0	-24.5	-24.2	-24.9	-24.9	-24.9	-24.9	-24.9	-25.0
5.	-24.7	-25.3	-27.0	-29.1	-30.9	-31.9	-32.7	-33.8	-34.1	-34.4	-33.3	-31.7	-30.0	-29.1	-28.5	-29.1	-29.2	-29.7	-31.1	-32.4	-32.4	-32.9	-34.5	-34.4
6.	-35.7	-33.5	-33.8	-33.2	-34.2	-34.9	-33.9	-34.6	-33.7	-32.4	-29.4	-28.0	-28.0	-26.9	-24.7	-24.8	-22.8	-22.6	-22.0	-21.3	-20.5	-20.0	-20.6	-21.2
7.	-21.1	-20.9	-21.1	-20.7	-19.8	-19.6	-19.9	-20.0	-20.1	-18.8	-17.8	-17.2	-17.7	-17.1	-17.0	-17.4	-18.1	-18.8	-19.8	-22.0	-23.2	-24.1	-24.6	-24.7
8.	-24.8	-23.1	-22.8	-22.2	-22.2	-22.0	-21.5	-21.4	-22.0	-22.0	-21.7	-21.5	-20.7	-19.9	-19.8	-19.0	-19.1	-18.6	-18.5	-18.1	-18.4	-17.6	-17.5	-17.7
9.	-18.6	-19.0	-17.4	-16.7	-15.9	-15.1	-14.8	-13.2	-13.1	-12.5	-11.6	-10.6	-9.7	-9.2	-9.0	-9.2	-8.6	-9.8	-10.5	-12.2	-11.5	-10.7	-10.9	-10.4
10	-10.0	-9.8	-9.7	-9.8	-9.8	-9.6	-9.5	-9.4	-9.2	-8.8	-8.1	-7.9	-7.1	-6.1	-5.8	-5.4	-4.9	-4.6	-4.7	-4.7	-4.4	-4.4	-5.1	-5.3
11	-5.4	-6.2	-6.6	-7.4	-7.4	-7.3	-6.9	-6.6	-6.4	-6.6	-6.9	-7.1	-7.3	-9.8	-10.6	-10.8	-11.4	-12.2	-13.8	-13.5	-16.6	-16.0	-14.8	-13.8
12	-14.0	-11.6	-10.0	-9.0	-8.6	-7.7	-7.3	-7.2	-7.0	-6.6	-6.6	-6.1	-5.8	-5.1	-5.1	-4.3	-4.1	-3.5	-3.1	-2.6	-1.9	-1.5	-1.5	-1.3
13	-9	-1.0	-1.6	-1.9	-2.3	-2.4	-3.6	-3.2	-3.5	-3.6	-3.0	-1.5	-1.0	-1.0	-2	-1.5	-8	-5	-1.0	-2.1	-2.6	-3.0	-3.7	-4.2
14	-4.1	-4.5	-6.2	-5.6	-5.0	-6.1	-6.4	-6.6	-6.5	-6.3	-5.7	-5.3	-5.5	-5.6	-5.4	-6.0	-6.4	-6.0	-6.0	-6.6	-7.4	-7.8	-6.6	-6.2
15	-6.3	-5.9	-4.8	-4.7	-4.6	-4.5	-4.2	-3.8	-3.3	-2.6	-2.3	-2.0	-2.0	-1.6	-1.5	-1.2	-0.9	-0.8	-0.5	-0.5	-1.2	-1.4	-0.3	-0.2
16	0.0	0.3	.1	-1	-3	-1.1	-3.5	-5.3	-6.1	-4.8	-2.9	-2.8	-3.6	-4.4	-5.8	-5.6	-7.8	-10.1	-11.2	-12.7	-13.8	-14.3	-15.2	-15.8
17	-15.8	-16.9	-17.4	-17.6	-17.4	-17.6	-18.1	-18.8	-18.9	-18.7	-19.3	-19.1	-19.7	-19.0	-19.0	-19.3	-18.8	-19.0	-19.0	-18.2	-18.2	-17.6	-17.8	-17.6
18	-17.6	-17.6	-17.6	-17.1	-15.6	-14.3	-14.3	-14.0	-14.0	-13.7	-13.2	-12.5	-11.7	-10.6	-9.4	-8.6	-7.9	-7.4	-7.2	-6.9	-6.4	-6.4	-6.4	-6.1
19	-6.0	-6.0	-6.0	-6.6	-7.4	-7.7	-7.8	-7.7	-8.0	-8.8	-8.6	-8.7	-8.0	-8.3	-8.2	-8.4	-8.6	-9.0	-9.2	-10.1	-10.7	-11.0	-11.0	-11.4
20	-11.5	-11.6	-11.6	-12.0	-12.0	-12.2	-12.0	-12.0	-12.2	-12.2	-12.5	-12.1	-11.2	-10.8	-10.9	-10.5	-10.5	-10.4	-11.7	-11.7	-13.4	-11.7	-12.7	-12.4
21	-11.9	-11.9	-11.6	-12.0	-9.5	-9.3	-9.2	-9.2	-9.2	-9.4	-8.6	-7.9	-7.0	-7.0	-6.2	-5.7	-5.0	-4.2	-3.2	-4.6	-3.6	-3.5	-4.5	-5.1
22	-4.8	-5.5	-6.7	-6.9	-7.2	-7.5	-8.8	-8.8	-9.3	-7.8	-6.2	-5.5	-4.9	-3.7	-3.4	-3.1	-3.7	-4.4	-5.2	-6.6	-6.6	-6.9	-7.9	-7.9
23	-11.7	-9.7	-11.3	-10.9	-10.1	-10.6	-11.1	-13.8	-16.0	-12.9	-9.3	-6.4	-6.5	-7.0	-8.4	-7.6	-8.3	-8.7	-10.7	-8.8	-11.6	-13.4	-14.1	-15.1
24	-15.2	-17.1	-15.7	-16.1	-18.7	-18.2	-19.2	-19.6	-19.4	-19.0	-15.2	-10.9	-11.6	-11.6	-10.7	-11.3	-10.5	-10.9	-11.6	-11.6	-14.3	-13.1	-12.3	-12.4
25	-13.7	-14.0	-13.7	-13.2	-13.2	-12.8	-12.2	-12.1	-11.8	-11.6	-10.7	-9.6	-8.1	-6.6	-6.2	-5.9	-5.5	-5.1	-5.1	-4.7	-5.1	-5.4	-5.1	-4.7
26	-4.6	-4.6	-4.4	-4.3	-4.3	-4.5	-4.4	-4.3	-3.9	-3.5	-2.9	-2.4	-2.0	-1.6	-1.4	-1.1	-1.0	-0.6	-0.4	-0.5	-0.5	-0.5	-0.4	-0.2
27	-2	-2	-2	-7	-1.0	-6	-4	-2	-2	-4	-3	-7	-7	-3.1	-4.5	-5.1	-6.3	-6.7	-7.9	-8.4	-8.7	-10.0	-9.3	-10.4
28	-9.7	-10.0	-10.3	-10.6	-11.0	-11.4	-11.6	-12.0	-12.3	-12.4	-12.3	-12.2	-11.8	-11.7	-11.0	-10.9	-10.7	-11.6	-11.6	-11.8	-11.7	-12.0	-11.4	-11.4
MEAN	-13.7	-13.6	-13.6	-13.5	-13.6	-13.6	-13.8	-13.9	-14.0	-13.6	-12.7	-11.9	-11.7	-11.5	-11.3	-11.3	-11.3	-11.5	-12.0	-12.3	-12.9	-12.9	-13.3	-13.3

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	-10.8	-26.7	-28.7	-27.6	-30.8	-27.9	-20.0	-20.4	-12.4	-7.2	-9.5	-5.8	-2.0	-5.9	-2.4	-6.0

DATE	17	18	19	20	21	22	23	24	25	26	27	28
MEAN	-18.2	-11.4	-8.4	-11.6	-7.3	-6.1	-10.5	-14.3	-8.9	-2.3	-3.5	-11.3

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

