



# MONTHLY METEOROLOGICAL SUMMARY SOMMAIRE MÉTÉOROLOGIQUE MENSUEL

MONTH/MOIS FEBRUARY / FEVRIER

1980

AT/A WINNIPEG INT'L AIRPORT / AEROPORT INTERN, DE WINNIPEG

LAT: 49° 54' N			LONG: 97° 14' W			ELEVATION: 239.6 METRES (ASL) ALTITUDE: MÈTRES (NMM)			STANDARD TIME USED: HEURE NORMALE UTILISÉE: CENTRAL												
DATE	TEMPERATURE TEMPÉRATURE			DEGREE-DAYS DEGRÉS-JOURS		REL. HUMIDITY HUMIDITÉ REL.		THUNDERSTORM ORAGE	PRECIPITATION PRÉCIPITATIONS			WIND VENT			BRIGHT SUNSHINE INSOLATION EFFECTIVE  HOURS 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	SNOW ON GROUND NEIGE AU SOL	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	cm	km/h			km/h					
1	-17.7	-30.5	-24.1	42.1		95	70		TR	TR	24	1.3	CALM	SE 11	4.3						
2	-11.2	-27.2	-19.2	37.2		95	68				23	9.1	SE	SE 20	0.0						
3	-8.9	-18.1	-13.5	31.5		84	64				21	25.3	SSE	SSE 39	2.6						
4	-7.5	-9.8	-8.7	26.7		87	78		1.4	1.4	22	24.2	SSE	SSE 46	0.0						
5	-5.7	-8.2	-7.0	25.0		91	83		TR	TR	23	13.6	S	S 22	0.0						
6	-5.6	-9.9	-7.8	25.8		93	78		TR	TR	23	10.8	NE	ENE 22	0.0						
7	-9.9	-21.0	-15.5	33.5		88	77		0.4	0.4	23	9.3	NNE	NNE 17*	6.7						
8	-9.1	-24.0	-16.6	34.6		94	76				23	16.5	S	S 30	5.6						
9	-1.7	-14.7	-8.2	26.2		96	81		3.8	3.8	23	35.1	S	S 48	0.9						
10	-7.0	-11.1	-9.1	27.1		88	76		1.4	1.2	26	31.7	NNW	NNW 44	0.2						
11	-10.3	-18.8	-14.6	32.6		87	75		0.5	0.2	27	20.5	NNW	NNW 33	6.6						
12	-11.9	-21.3	-16.6	34.6		86	68				27	5.4	S	WSW 11	6.2						
13	-11.2	-21.0	-16.1	34.1		86	72		TR	TR	27	11.1	NW	NW 22*	7.7						
14	-15.0	-22.2	-18.6	36.6		83	64		TR	TR	26	13.7	WNW	WNW 19	6.7						
15	-13.9	-23.2	-18.6	36.6		83	72		0.4	0.2	25	15.8	WNW NW	NW 26	1.4						
16	-13.6	-21.8	-17.7	35.7		82	69				24	18.0	WNW	NW 28	7.3						
17	-8.5	-22.1	-15.3	33.3		81	61				24	11.7	SSW	S 20	7.8						
18	-8.2	-15.4	-11.8	29.8		90	71		TR	TR	24	11.8	NW	ENE 30	3.9						
19	-10.7	-18.0	-14.4	32.4		86	76		2.0	2.0	24	16.7	NE	NE 22*	1.4						
20	-11.0	-17.0	-14.0	32.0		86	77		TR	TR	26	27.1	NNE	NNE 39*	2.5						
21	-11.0	-19.3	-15.2	33.2		88	70		6.4	6.4	25	13.0	NE	NNE 19*	0.5						
22	-11.5	-15.0	-13.3	31.3		86	76		0.8	0.8	33	18.0	NW	NW 22*	0.0						
23	-9.2	-17.6	-13.4	31.4		86	76		1.2	1.0	30	15.6	NW	NW 28	4.6						
24	-15.2	-27.2	-21.2	39.2		84	69		0.2	0.2	28	14.4	NW	NNE 20	8.2						
25	-16.2	-31.0	-23.6	41.6		87	67				28	17.8	S	S 37	6.2						
26	-6.4	-20.2	-13.3	31.3		87	68				27	30.8	NNW	NNW 48	9.4						
27	-12.8	-24.0	-18.4	36.4		87	70				27	7.5	CALM	NNE 19	0.0						
28	-20.0	-29.6	-24.8	42.8		87	64				26	21.8	N	N 37	10.4						
29	-22.6	-35.2	-28.9	46.9		90	66				25	5.7	N,NW	NNE 13*	9.7						
30																					
31																					
MEAN MOYENNE	-11.2	-20.5	-15.9	TOTAL 981.5	TOTAL 0.0	87	72	TOTAL	TOTAL 0.0	TOTAL 18.5	TOTAL 17.6		16.3	PREVAILING NW DOMINANTE	MAXIMUM S 48 NNW 48	TOTAL 120.8					
NORMAL NORMALE	-10.4	-21.1	-15.7	953.1	0.0	88	70	0.0	0.8	19.8	19.1	23	18.8	SOUTH	57	139.4					
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	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	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	981.5	1119.9	953.1*	TOTAL FOR MONTH TOTAL DU MOIS	00	00	Nil	00	00	00	00	00	11	6	3	0	0				
ACCUMULATED SINCE JULY 1 ACCUMULÉE DEPUIS LE 1 <sup>er</sup> JUILLET	4337.2	4867.3	4324.7	ACCUMULATED SINCE APRIL 1 ACCUMULÉE DEPUIS LE 1 <sup>er</sup> AVRIL	1574.6	1857.9	1787.8														

UDC 551.506.1 (

\*) Indicates more than one occurrence of same speed but not necessarily the same direction.  
Subscription Price: \$1.00 monthly; \$10.00 per calendar year (January to December)  
Prix d'abonnement: mensuel \$1.00; annuel \$10.00 (janvier à décembre)  
NOTE: \* normals are mostly for 28 day month.



The month began on the cold side and ended up on the very cold side. However, the average temperatures for the month was close to normal. The warmest temperature was minus 1.7 on the 9th. The coldest for the month and for this winter to date was minus 35.2 on the 29th.

Snowfall and total precipitation amounts were a little below normal. The greatest accumulation was 6.4 CM on the 21st.

A new station pressure record for February was set on the 29th with a reading of 102.06 KPA breaking the all time reading of 101.91 KPA set on the 16th in 1979.

There were 120.8 hours of bright sunshine and the average wind was 16.3 KMH. Both readings were below the monthly normals.

## DAILY WEATHER SUMMARY FOR FEBRUARY 1980

## AT WINNIPEG, MANITOBA

1. Below normal temperatures. Mostly sunny. Ice Crystals 9:30 a.m. to 11:45 a.m. Ice fog in morning, early afternoon and late evening. Visibility restricted. Very light winds.
2. Near normal temperatures. Cloudy. Light winds.
3. Above normal temperatures. Partly cloudy. Moderate South southeast winds gusting to 56 Km/h. Drifting snow.
4. Mild. Cloudy. Snow 01:17 a.m. to 9:19 p.m. 11:20 p.m. continued. Blowing snow 01:30 a.m. to 7:51 a.m. Moderate winds gusting to 72 Km/h. Visibility restricted most of the day. Light fog in evening. Drifting snow.
5. Mild. Cloudy. Snow to 7:50 a.m. Mostly light winds. Light fog all day. Visibility restricted.
6. Mild. Cloudy. Snow 10:10 a.m. to 11:42 a.m. 1:52 p.m. to 2:15 p.m. 9:16 p.m. continued. Light fog in morning. Visibility restricted. Light winds.
7. Above normal temperatures. Cloudy clearing late morning. Snow to 10:22 a.m. Ice Crystals 9:25 a.m. to 3:00 p.m. Visibility slightly restricted. Light winds. Smoke layer in evening.
8. Above normal temperatures. Mostly sunny. Heavy fog 5:00 a.m. to 5:35 a.m. Visibility severely restricted. Light fog late morning. Mostly light winds. Smoke over city in morning.
9. Mild. Cloudy. Near blizzard conditions. Snow 12:22 p.m. to 10:45 p.m. Blowing snow 8:13 a.m. to 3:35 p.m. 7:45 p.m. to 7:55 p.m. 10:13 p.m. to 10:38 p.m. Drifting snow. Moderate winds gusting to 70 Km/h. Visibility severely restricted. Travel difficult. Cars stuck. 35 CM snow reported near Vita, Manitoba. 12 year old boy almost drowned falling through thin ice on Assiniboine River.
10. Above normal temperatures. Cloudy. Blizzard continued. 19 year old man who left his car died of exposure 3KM West of Elie, Manitoba. Snow 01:02 a.m. continued. Ice Crystals 6:30 a.m. to 8:41 a.m. 12:58 p.m. to 1:42 p.m. 10:28 p.m. to 11:44 p.m. Blowing snow 9:07 a.m. to 6:25 p.m. Visibility severely restricted. Moderate winds. Drifting snow. Cars stalled.
11. Above normal temperatures. Cloudy clearing late morning. Snow to 10:11 a.m. Ice Crystals 10:11 a.m. to 11:50 a.m. 7:00 p.m. to 9:11 p.m. Moderate winds. Drifting snow. Visibility slightly restricted in morning.
12. Normal temperatures. Mostly sunny. Light winds.
13. Near normal temperatures. Mostly sunny. Light snow 6:45 a.m. to 9:15 a.m. Light winds.
14. Below normal temperatures. Mostly sunny with light winds. Ice Crystals 1:30 p.m. to 2:50 p.m.
15. Below normal temperatures. Mostly cloudy with light winds. Light snow or Ice Crystals 5:05 a.m. to 4:25 p.m. Visibility restricted in late morning and early afternoon.
16. Below normal temperatures. Mostly sunny with light winds.
17. Above normal temperatures. Sunny. Mostly light winds.
18. Mild. Partly cloudy. Light winds. Ice Crystals 7:46 a.m. to 8:50 a.m.
19. Above normal temperatures. Mostly cloudy. Snow 6:55 a.m. to 2:15 p.m. 9:25 p.m. to 11:10 p.m. Snow pellets 6:35 p.m. to 7:15 p.m. Light winds. Visibility restricted in morning.
20. Above normal temperatures. Cloudy clearing in late afternoon. Snow 00:45 a.m. to 2:18 a.m. 10:47 a.m. to 12:14 p.m. Ice Crystals 4:00 a.m. to 7:17 a.m. Moderate north northeast winds. Drifting snow.
21. Near normal temperatures. Mostly cloudy. Snow 10:55 a.m. continued. Snow pellets 12:40 p.m. to 1:40 p.m. Visibility restricted in snow. Light Winds.
22. Above normal temperatures. Cloudy. Snow to 2:10 a.m., 7:44 a.m. to 1:25 p.m. 2:15 p.m. continued. Mostly light winds but some drifting snow.
23. Above normal temperatures. Partly cloudy. Snow to 5:40 a.m. 1:03 p.m. to 7:15 p.m. Ice Crystals 5:40 a.m. to 8:35 a.m. 4:25 p.m. to 5:58 p.m. 10:00 p.m. to 11:30 p.m. Mostly light winds but some drifting snow.
24. Below normal temperatures. Sunny. Ice Crystals 10:52 a.m. to 12:11 p.m. Light winds.
25. Cold. Cloudy mid afternoon otherwise sunny. Light winds except for late evening gusts to South 57 Km/h. Blowing snow. 10:35 p.m. continued. Visibility reduced.
26. Slightly above normal temperatures. Sunny. Blowing snow to 5:32 a.m. Moderate South winds gusting to 67 Km/h changing to gusty Northwest winds. Drifting snow.
27. Below normal temperatures. Cloudy. Light winds. Light fog in morning.
28. Cold. Sunny. Moderate North winds.
29. Very cold. Record breaking low minimum for 29th. Light winds. Mostly sunny but ice fog in morning. Visibility restricted.



HOURLY WETBULB TEMPERATURES AT WINNIPEG INTERNATIONAL AIRPORT FOR THE MONTH OF FEBRUARY 1980

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	-27.4	-28.0	-29.9	-30.5	-27.2	-28.5	-29.0	-29.0	-28.8	-28.0	-23.5	-21.6	-21.0	-21.5	-21.2	-21.0	-21.2	-20.1	-21.1	-26.0	-26.8	-26.3	-25.1	-22.7
2	-22.5	-26.8	-23.0	-21.5	-25.0	-22.2	-22.0	-20.9	-19.4	-17.9	-16.2	-15.0	-13.5	-13.2	-12.1	-11.0	-10.7	-10.6	-11.0	-10.8	-10.3	-10.4	-10.5	-10.3
3	-14.6	-13.9	-14.1	-14.7	-16.1	-16.2	-17.2	-18.1	-17.1	-16.3	-15.2	-14.2	-13.2	-12.1	-11.0	-10.7	-10.6	-11.0	-10.8	-10.3	-10.4	-10.5	-10.3	-9.7
4	-9.9	-9.6	-9.6	-9.6	-10.0	-10.0	-9.9	-9.7	-9.6	-9.6	-9.6	-9.4	-9.0	-8.6	-8.3	-8.2	-8.2	-8.1	-8.2	-8.3	-8.3	-8.4	-8.3	-8.3
5	-8.4	-8.3	-8.2	-8.2	-8.1	-8.3	-8.2	-8.2	-8.1	-8.1	-7.8	-7.5	-7.1	-6.8	-6.5	-6.5	-6.1	-6.1	-6.4	-6.6	-6.7	-6.8	-7.0	-6.9
6	-6.9	-6.5	-6.4	-6.2	-5.9	-5.8	-5.8	-5.8	-5.9	-6.3	-6.3	-6.5	-6.5	-6.8	-7.3	-7.9	-8.5	-9.0	-9.1	-9.2	-9.4	-9.5	-9.7	-9.8
7	-10.3	-10.7	-11.1	-11.6	-12.4	-12.5	-12.6	-13.7	-14.7	-16.3	-18.4	-18.3	-18.3	-18.3	-18.3	-16.6	-16.6	-16.7	-18.4	-18.9	-19.6	-19.5	-19.3	-20.1
8	-21.0	-21.5	-22.5	-21.8	-23.8	-23.2	-22.3	-22.4	-22.5	-20.6	-17.3	-14.8	-13.0	-11.2	-10.5	-10.1	-9.6	-10.4	-11.5	-12.1	-12.7	-11.7	-13.2	-13.6
9	-13.6	-14.2	-14.3	-14.5	-14.4	-14.6	-14.7	-13.8	-13.5	-13.6	-13.3	-12.1	-10.8	-9.6	-8.9	-6.9	-5.4	-2.0	-2.5	-2.7	-4.0	-5.0	-5.0	-6.3
10	-7.3	-7.5	-8.2	-9.7	-9.7	-9.6	-9.5	-9.8	-9.8	-9.8	-9.7	-9.7	-9.8	-9.6	-9.8	-9.7	-9.5	-9.6	-9.6	-9.9	-9.5	-10.0	-10.3	-10.5
11	-10.7	-11.5	-11.7	-11.3	-11.3	-11.3	-11.7	-12.2	-12.3	-12.1	-12.9	-13.2	-13.1	-12.8	-12.6	-12.5	-13.3	-13.5	-15.0	-15.3	-15.8	-16.9	-17.0	-18.2
12	-17.8	-16.6	-16.2	-17.3	-19.0	-19.5	-20.0	-20.3	-21.3	-20.8	-19.5	-18.0	-15.8	-14.8	-13.8	-12.6	-13.3	-12.9	-14.4	-14.6	-14.8	-14.7	-16.0	-17.5
13	-17.5	-20.8	-20.3	-17.7	-17.5	-16.0	-15.1	-15.0	-15.2	-15.2	-15.3	-14.9	-14.6	-13.5	-12.8	-13.3	-13.7	-14.5	-15.5	-15.5	-15.0	-14.4	-14.7	-15.2
14	-15.5	-15.6	-15.8	-17.2	-18.6	-20.5	-21.5	-22.0	-22.2	-20.9	-20.5	-19.9	-18.6	-17.2	-16.8	-16.9	-16.1	-16.7	-17.0	-18.1	-18.1	-19.7	-19.0	-19.0
15	-19.0	-19.5	-20.5	-21.2	-22.0	-21.0	-21.2	-20.0	-19.5	-18.4	-17.8	-16.2	-15.6	-15.1	-14.8	-14.7	-14.9	-16.0	-16.3	-18.8	-22.5	-22.5	-23.2	-21.6
16	-21.3	-21.0	-20.6	-20.8	-20.8	-21.1	-21.1	-20.7	-21.6	-20.8	-19.2	-17.3	-16.2	-15.2	-14.5	-14.2	-14.4	-14.6	-15.5	-16.6	-17.6	-17.6	-17.6	-17.7
17	-19.8	-20.0	-19.8	-19.0	-19.4	-20.9	-21.1	-21.8	-21.6	-20.6	-18.5	-16.8	-15.3	-13.5	-12.4	-11.7	-9.3	-10.3	-10.2	-10.5	-13.3	-11.4	-11.6	-10.9
18	-11.4	-10.7	-10.3	-10.4	-11.7	-13.3	-14.7	-14.4	-15.4	-15.0	-14.0	-13.4	-13.4	-13.2	-11.9	-10.6	-10.0	-9.2	-9.5	-9.7	-10.0	-10.2	-11.9	-12.6
19	-14.4	-16.0	-17.7	-17.9	-18.0	-18.0	-17.0	-16.6	-16.1	-15.6	-14.8	-14.0	-13.2	-12.5	-12.0	-11.6	-11.3	-12.4	-11.9	-11.5	-11.5	-11.5	-11.5	-11.4
20	-11.4	-11.4	-11.8	-11.6	-11.7	-11.7	-11.8	-11.9	-12.2	-12.0	-12.0	-12.0	-12.1	-12.0	-12.0	-11.5	-11.9	-12.2	-13.4	-13.2	-14.3	-15.2	-16.2	-16.6
21	-16.9	-17.3	-18.2	-18.6	-17.0	-18.5	-18.7	-19.2	-18.6	-18.0	-16.7	-14.8	-13.9	-13.3	-12.7	-12.3	-11.7	-11.6	-12.8	-13.3	-13.0	-12.8	-12.0	-12.0
22	-12.4	-12.6	-12.7	-13.1	-13.6	-13.7	-13.7	-13.7	-13.8	-13.9	-13.7	-13.4	-12.7	-12.4	-12.5	-12.2	-12.2	-11.9	-12.3	-12.0	-12.5	-15.0	-15.2	-15.2
23	-15.0	-14.9	-15.0	-14.9	-15.6	-17.0	-16.6	-16.3	-17.2	-16.5	-15.4	-14.9	-14.5	-13.0	-12.1	-10.3	-10.5	-10.6	-11.7	-11.1	-10.6	-12.4	-14.4	-15.3
24	-16.5	-18.0	-19.6	-21.0	-20.4	-20.0	-19.5	-19.1	-19.4	-21.2	-18.1	-17.0	-16.9	-16.3	-16.0	-16.0	-16.6	-17.4	-20.7	-23.0	-21.5	-24.2	-24.2	-26.6
25	-26.6	-28.0	-28.0	-28.2	-28.8	-30.9	-30.0	-30.6	-29.3	-25.7	-23.6	-21.0	-20.0	-19.7	-18.6	-18.3	-17.6	-16.8	-17.2	-18.0	-18.8	-19.3	-19.8	-20.0
26	-20.0	-19.5	-18.5	-16.1	-16.0	-16.0	-14.8	-14.0	-12.7	-11.9	-9.0	-8.4	-7.7	-7.6	-8.3	-10.2	-12.0	-13.5	-14.5	-15.2	-16.2	-16.9	-18.1	-18.5
27	-19.5	-20.9	-21.5	-22.9	-22.0	-22.4	-23.3	-23.9	-22.9	-19.7	-16.5	-15.7	-15.0	-14.8	-13.3	-13.3	-13.3	-15.7	-15.9	-16.4	-18.3	-18.9	-17.4	-18.5
28	-20.2	-23.0	-24.0	-24.8	-25.4	-25.1	-25.5	-26.5	-26.6	-26.7	-26.7	-26.3	-26.5	-26.3	-25.0	-24.8	-24.7	-24.6	-25.1	-26.8	-28.2	-29.1	-28.6	-28.6
29	-29.5	-30.4	-29.4	-29.4	-33.5	-34.0	-34.2	-34.1	-33.5	-32.2	-30.0	-28.2	-27.2	-25.2	-24.2	-23.4	-23.4	-23.4	-23.9	-26.0	-25.3	-26.1	-26.9	-27.3

MEAN -16.4 -17.0 -17.1 -17.3 -17.7 -18.0 -17.9 -18.0 -17.3 -16.4 -15.3 -14.6 -13.9 -13.4 -13.0 -13.0 -13.0 -13.1 -13.8 -14.5 -15.0 -15.4 -15.6 -15.9



