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MONTHLY METEOROLOGICAL SUMMARY SOMMAIRE MÉTÉOROLOGIQUE MENSUEL

MONTH/MOIS NOVEMBER / NOVEMBRE

1980

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

LAT: 49 ° 54' N		LONG: 97 ° 14' W		ELEVATION: 239.6 METRES (ASL) ALTITUDE: 239.6 MÈTRES (NMM)		STANDARD TIME USED: CENTRAL HEURE NORMALE UTILISÉE:														
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 HOURS 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)	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			%	%	mm	cm	mm	cm	km/h		km/h						
1	0.7	-7.8	-3.6	21.6	0.0	88	59					12.5	SSE	SSE30	0.1					
2	11.9	-1.5	5.2	12.8	0.2	92	55					19.5	S	S 31*	5.9					
3	8.8	-1.7	3.6	14.4	0.0	97	62	2.0		2.0		19.0	NW	NW 46	6.6					
4	6.5	-3.7	1.4	16.6	0.0	87	28					17.8	NW,NNW	NNW35	5.8					
5	16.0	-2.0	7.0	11.0	2.0	80	39					15.7	W,SSW	W 30*	5.1					
6	6.8	-1.6	2.6	15.4	0.0	93	61					14.3	NE	NE 26*	7.7					
7	-1.0	-3.6	-2.3	20.3	0.0	94	61		4.1	4.1	3	18.5	ENE	ENE26	0.1					
8	1.1	-2.9	-0.9	18.9	0.0	98	78	1.3	12.8	14.1	4	22.8	SE	ESE33	0.0					
9	-2.8	-14.4	-8.6	26.6	0.0	91	67		0.6	0.6	7	22.1	N	N 37	8.4					
10	-2.4	-16.4	-9.4	27.4	0.0	91	78				6	12.6	S	S 28*	1.1					
11	2.2	-4.0	-0.9	18.9	0.0	98	71					19.1	S	SSE31*	2.3					
12	0.7	-0.6	0.1	17.9	0.0	96	83	1.0	0.2	1.2	5	11.3	NNE	NNE24	0.0					
13	1.4	-2.2	-0.4	18.4	0.0	89	65				5	12.9	NW	NW 28	3.1					
14	3.5	-7.3	-1.9	19.9	0.0	94	63				4	12.6	WSW	SW 28	8.7					
15	1.8	-10.1	-4.2	22.2	0.0	95	72				4	5.5	SSW	SSW15*	4.0					
16	0.4	-10.7	-5.2	23.2	0.0	92	71				4	16.0	NNW	NNW30	0.1					
17	-0.3	-10.0	-5.2	23.2	0.0	92	77				4	23.6	S	S 41*	7.7					
18	5.2	-4.4	0.4	17.6	0.0	86	60				4	21.5	W	S 37	7.2					
19	3.6	-3.2	0.2	17.8	0.0	91	64				3	12.0	SW	WSW19*	4.7					
20	0.7	-4.4	-1.9	19.9	0.0	93	76				2	14.5	WNW	WNW26	6.1					
21	4.2	-4.7	-0.3	18.3	0.0	88	69				2	27.0	S	S 35*	6.6					
22	4.4	-3.8	0.3	17.7	0.0	84	70	Tr.	Tr.	Tr.	1	26.2	S	NNW43	0.2					
23	-3.7	-11.6	-7.7	25.7	0.0	85	69		Tr.	Tr.	1	14.6	NW	NNW33	8.3					
24	3.9	-11.0	-3.6	21.6	0.0	87	43				Tr.	18.5	S,SSW	SSW24*	6.6					
25	-3.2	-6.8	-5.0	23.0	0.0	89	76		Tr.	Tr.	Tr.	16.3	NW	SSE28	0.0					
26	1.4	-5.8	-2.2	20.2	0.0	94	67				Tr.	17.9	S	SSE33	7.9					
27	-0.5	-8.1	-4.3	22.3	0.0	93	76				Tr.	8.5	W	S 26	1.3					
28	0.5	-3.8	-1.7	19.7	0.0	95	85	Tr.	3.0	3.0	Tr.	21.1	S,SSE	S 37*	0.0					
29	1.8	-3.4	-0.8	18.8	0.0	90	65		Tr.	Tr.	2	19.6	W	NW 37	7.1					
30	-2.0	-21.5	-11.8	29.8	0.0	95	56		Tr.	Tr.	2	20.1	NW	NNW43	2.3					
31																				
MEAN MOYENNE	2.4	-6.4	-2.0	TOTAL 601.1	TOTAL 2.2	91	66	TOTAL	TOTAL	TOTAL	TOTAL	Mo End 2	17.1	PREVAILING DIRECTION DOMINANTE SOUTH	MAXIMUM NW 46	TOTAL 125.0				
NORMAL NORMALE	-0.5	-8.4	-4.4	674.1	2.5	88	62		7.1	21.3	27.2	3	20.3	SOUTH	57	81.2				
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	NORMAL	ABOVE 5°C AU-DESSUS DE 5°C	THIS YEAR ANNÉE EN COURS	PREVIOUS YEAR ANNÉE PRÉCÉDENTE	NORMAL	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	601.1	688.6	674.1	TOTAL FOR MONTH TOTAL DU MOIS	2.2	0.0	2.5	6	5	4	1	0	5	3	3	1	0			
ACCUMULATED SINCE JULY 1 ACCUMULÉE DEPUIS LE 1 ^{er} JUILLET	1301.5	1352.9	1263.0	ACCUMULATED SINCE APRIL 1 ACCUMULÉE DEPUIS LE 1 ^{er} AVRIL	1916.3	1574.6	1787.8													

UDC 551.506.1 ()

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

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CLIMATOLOGICAL SUMMARY FOR NOVEMBER 1980AT WINNIPEG, MANITOBA

This November was the fourth sunniest since 1900. The 125.0 hours was well above the normal 81.2. The record for November is 139.7 hours recorded in 1976.

The month was warm with a mean temperature of minus 2.0 as compared to the normal minus 4.4. The warmest day was the 5th with 16.0 degrees while the coldest night was on the 30th with minus 21.5.

Precipitation was a little below normal with 4.3 mm of rain and 20.7 cm of snow recorded.

The average wind was 17.1 Km/h as compared to the normal 20.3.

DAILY WEATHER SUMMARY FOR NOVEMBER 1980AT WINNIPEG, MANITOBA

All Times Central Standard
Not Daylight

1. Below normal temperatures. Cloudy. Mostly light winds.
2. Above normal temperatures. Cloudy clearing early afternoon. Mostly light winds but S gusts to 48 Km/h in morning.
3. Above normal temperatures. Partly cloudy. Rain 3:20 a.m. to 5:20 a.m. Mostly light winds but NNW gusts to 61 Km/h in afternoon.
4. Above normal temperatures. Partly cloudy. Mostly light winds but N gusts to 43 Km/h near noon.
5. Mild. Partly cloudy. Mostly light winds but W gusts to 46 Km/h early afternoon.
6. Above normal temperatures. Sunny clouding over late afternoon. Mostly light winds.
7. Slightly below normal temperatures. Cloudy. Snow 00:27 a.m. to 8:47 a.m. Mostly light winds. Visibility restricted in snow.
8. Slightly above normal temperatures. Cloudy. Light fog in evening. Snow 4:09 a.m. to 12:55 p.m., 6:16 p.m. continued. Snow pellets 7:11 to 8:52 a.m. Freezing rain 6:59 a.m. to 8:52 a.m. Drizzle 3:35 p.m. to 5:38 p.m., freezing drizzle 5:38 p.m. to 6:16 p.m. Moderate ESE winds gusting to 44 Km/h. Visibility restricted. Roads icy.
9. Cold. Cloudy clearing late morning. Snow to 7:20 a.m. Moderate N winds gusting to 46 Km/h. Drifting snow in morning. Visibility restricted in morning.
10. Cold. Sunny becoming cloudy mid morning. Mostly light winds.
11. Above normal temperatures. Cloudy, clearing late afternoon. Freezing rain 6:44 a.m. to 7:58 a.m., snow 7:40 a.m. to 8:32 a.m. Snow pellets 7:58 a.m. to 8:32 a.m. Mostly light winds but SSE gusts to 46 Km/h in morning. Roads icy. Fog late evening. Visibility restricted.
12. Above normal temperatures. Cloudy. Mostly light winds but NNE gusts to 57 in morning. Fog in early morning. Visibility restricted.
13. Above normal temperatures. Sunny mid morning otherwise cloudy. Mostly light winds.
14. Above normal temperatures. Mostly sunny. Mostly light winds.
15. Near normal temperatures. Light fog early morning. Visibility restricted. Cloudy clearing early afternoon. Light winds.
16. Normal temperatures. Cloudy. Mostly light winds but NNW winds to 46 Km/h in morning.
17. Near normal temperatures. Mostly sunny. Moderate S winds gusting to 59 Km/h late evening.
18. Mild. Mostly sunny. Moderate S winds gusting to 50 Km/h early morning.
19. Mild. Sunny becoming cloudy in afternoon. Light winds.
20. Above normal temperatures. Cloudy becoming sunny late morning. Mostly light winds.
21. Mild. Sunny becoming cloudy late afternoon. Moderate S winds gusting to 50 Km/h.
22. Mild. Cloudy. Rain 8:50 a.m. to 10:35 a.m. Snow 10:57 p.m. continued. Moderate NW winds gusting to 57 Km/h.
23. Slightly above normal temperatures. Cloudy becoming sunny mid morning. Snow to 7:20 a.m. Mostly light winds. Smoke over city late evening.
24. Above normal temperatures. Mostly sunny. Mostly light winds but S gusts to 39 Km/h in evening.
25. Above normal temperatures. Cloudy. Light snow 8:50 a.m. to 12:48 p.m. Mostly light winds but S gusts to 41 Km/h in evening.
26. Above normal temperatures. Mostly sunny. Mostly light winds but SSE gusts to 48 Km/h in morning.
27. Above normal temperatures. Mostly cloudy. Light winds but S gusts to 50 Km/h late evening.
28. Mild. Cloudy. Freezing drizzle 9:12 a.m. to 11:09 a.m. Snow 5:45 a.m. to 11:35 a.m., 6:29 p.m. continued. Visibility restricted in snow. Roads very icy. Drifting snow. Moderate S winds gusting to 57 Km/h.
29. Mild. Sunny becoming cloudy late afternoon. Snow to 00:15 a.m. Mostly light winds gusting to 56 Km/h early morning. Roads still icy.
30. Normal temperatures. Cloudy clearing late afternoon. Snow 3:51 a.m. to 12:15 p.m. Drifting snow. Light winds becoming moderate NNW winds gusting to 57 Km/h. Roads still icy. Visibility restricted in snow.

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

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	-5.2	-6.5	-6.3	-5.6	-7.7	-7.7	-7.7	-6.8	-6.0	-4.7	4.1	-2.6	-2.0	-2.4	-2.2	-1.0	-1.0	-1.9	-2.8	-3.0	-2.9	-3.1	-3.1	-3.2
2	-2.5	-1.5	-1.0	-1.5	-2.2	0.0	0.2	0.7	1.3	2.2	2.2	3.1	3.6	5.6	6.8	7.3	7.0	5.3	5.9	4.8	5.5	4.8	4.8	-1.8
3	-1.4	-1.2	-1.2	-3.3	1.3	1.3	-1.1	-1.6	-1.4	1.5	2.5	4.5	5.1	5.5	5.6	5.5	4.8	2.7	2.0	1.8	2.1	1.3	1.3	-1.7
4	-1.3	-1.7	-1.5	-2.0	-3.0	-2.7	-3.1	-2.5	-1.8	1.5	2.1	2.1	1.8	1.6	1.1	1.5	1.8	-1.2	-2.4	-4.0	-3.7	-4.4	-3.5	-2.6
5	-2.5	-2.9	-2.5	-2.1	-1.5	-1.7	-1.5	-1.9	-1.5	0.0	2.9	4.7	6.3	7.4	8.6	8.2	7.2	7.2	6.6	6.2	5.7	5.6	4.7	3.7
6	3.3	2.4	1.0	3.7	1.4	1.1	-1.6	-1.9	1.0	2.5	3.1	3.1	3.4	3.6	3.4	3.2	2.0	1.2	.8	0.0	-1.2	-1.9	-2.2	-2.2
7	-1.8	-1.8	-2.3	-2.6	-2.9	-3.0	-3.2	-3.8	-3.8	-4.4	-4.4	-4.4	-4.0	-3.8	-2.9	-2.9	-3.8	-3.5	3.4	-3.5	-4.2	-3.8	-3.8	-3.6
8	-3.3	-2.8	-2.8	-2.2	-2.0	-1.5	-1.1	-1.7	-1.3	0.0	0.0	1.3	1.3	1.5	1.7	1.6	1.5	0.0	-1.3	-1.7	-1.0	-1.5	-2.0	-2.4
9	-3.0	-3.6	-4.1	-4.5	-5.0	-5.4	-6.0	-5.9	-5.7	-7.6	-7.6	-8.0	-7.6	-6.6	-6.5	-6.8	-7.4	-9.4	-11.5	-13.1	-11.9	-13.2	-13.8	-14.0
10	-14.6	-15.4	-15.3	-15.7	-15.0	-13.1	-13.9	-13.8	-12.0	-10.9	-8.6	-7.0	-5.9	-5.0	-4.5	-4.2	-3.4	-4.0	-4.3	-4.3	-3.3	-3.3	-3.0	-3.5
11	-3.5	-4.0	-4.2	-4.0	-3.9	-3.5	-3.0	-2.6	-2.3	-2.0	-2.3	-2.0	-1.8	-1.4	0.0	.5	.5	-4	-1.4	-1.8	-1.5	-1.7	-1.7	-1.4
12	-2.2	-2.2	-3.3	-3.3	-3.3	-3.3	-3.3	-4.4	-4.4	-4.4	-4.4	-4.4	-4.5	-5.5	-5.5	-5.5	-5.5	-5.5	-6.6	-7.7	-9.9	-1.0	-1.0	-1.2
13	-1.2	-1.2	-1.3	-1.4	-1.4	-1.2	-1.0	-1.2	-1.0	-1.2	-1.2	-1.5	-1.0	-1.0	-1.0	-1.0	-1.1	-1.5	-1.9	-2.3	-2.7	-2.9	-3.4	-3.5
14	-3.6	-3.9	-4.0	-3.9	-4.4	-5.3	-5.8	-6.1	-5.5	-5.0	-4.0	-2.5	-1.0	-1.7	1.3	1.0	1.3	-1.5	-1.4	-2.5	-3.9	-4.2	-5.5	-6.5
15	-6.9	-8.1	-8.9	-9.2	-7.6	-7.0	-5.8	-5.1	-5.0	-4.2	-3.0	-2.3	-2.0	-1.3	-1.3	-1.6	-1.1	0.0	-1.5	-2.4	-3.0	-3.4	-3.7	-4.9
16	-4.2	-4.5	-3.8	-2.7	-1.4	-1.3	-1.3	-1.0	-1.0	-1.5	-2.9	-3.1	-3.2	-3.4	-3.5	-3.6	-3.5	-3.8	-4.0	-4.8	-6.6	-7.8	-7.8	-10.7
17	-8.8	-8.4	-9.2	-7.5	-9.1	-9.1	-8.8	-8.3	-7.7	-7.2	-5.6	-4.2	-3.1	-2.2	-1.7	-1.7	-2.0	-2.7	-3.3	-3.9	-4.0	-4.2	-4.2	-4.6
18	-4.5	-4.6	-4.1	-4.1	-4.1	-4.3	-4.5	-4.8	-4.2	-2.7	-1.7	-1.3	1.1	1.7	1.5	1.8	1.8	1.3	1.3	1.5	1.3	-1.3	-1.3	-1.9
19	-1.0	-1.1	-2.0	-2.5	-2.7	-3.2	-3.2	-3.1	-3.9	-3.0	-1.5	-1.1	.8	.9	1.1	1.0	1.7	.3	0.0	.2	.1	.3	.4	-1.7
20	-1.3	-1.6	-1.1	-1.2	-1.2	-1.6	-1.4	-1.5	-1.9	-2.0	-1.9	-2.0	-1.5	-1.1	-1.1	-1.0	-2.0	-2.8	-3.5	-4.2	-4.5	-3.6	-3.5	-4.2
21	-4.3	-4.3	-4.8	-4.9	-4.8	-4.6	-4.4	-4.1	-4.2	-3.4	-2.1	-1.1	0.0	.5	1.8	2.0	1.7	1.3	1.0	1.4	1.3	1.3	1.0	1.0
22	1.9	1.1	1.1	1.1	1.8	1.4	1.4	1.4	1.4	2.2	1.7	1.6	.5	.9	.8	0.0	-1.1	-1.9	-2.0	-3.0	-3.2	-3.3	-4.1	-4.1
23	-4.8	-5.8	-7.0	-7.1	-8.5	-8.7	-9.6	-10.6	-11.7	-11.7	-11.0	-10.5	-9.4	-9.0	-8.6	-8.5	-8.8	-9.8	-10.4	-11.3	-10.9	-10.6	-11.1	-10.8
24	-11.3	-10.7	-10.7	-10.4	-10.4	-10.2	-10.0	-9.6	-9.4	-8.2	-6.9	-4.5	-3.0	-1.8	-1.4	0.0	.5	1.7	2.6	2.7	2.8	3.2	3.6	3.7
25	-3.8	-3.8	-4.6	-4.6	-6.1	-6.7	-5.3	-5.2	-5.4	-5.6	-6.0	-6.1	-6.2	-6.0	-5.5	-5.4	-5.6	-5.7	-6.1	-6.1	-6.2	-6.2	-5.7	-5.3
26	-4.7	-4.3	-3.9	-4.0	-4.0	-4.0	-3.6	-3.6	-3.4	-3.9	-2.8	-1.7	-1.4	-1.1	-1.5	-1.5	-1.0	-2.7	-2.5	-3.1	-3.6	-4.7	-5.4	-3.8
27	-6.1	-6.2	-6.7	-7.0	-8.0	-7.0	-7.4	-7.8	-6.8	-6.4	-4.2	-3.2	-2.1	-1.5	-1.8	-1.8	-1.9	-2.2	-2.6	-3.8	-5.2	-4.7	-3.9	-3.8
28	-3.8	-4.0	-4.0	-4.0	-3.8	-3.8	-3.8	-3.6	-3.4	-3.5	-3.3	-3.1	-3.0	-2.6	-2.4	-2.1	-2.0	-1.8	-1.8	-1.8	-1.0	-1.8	-1.3	-1.1
29	0.0	-1.0	-1.7	-1.8	-1.8	-1.5	-1.0	-1.3	-2.2	-2.0	-2.4	-2.0	-1.3	-1.0	-1.8	-1.0	-2.4	-2.8	-2.8	-2.5	-2.7	-2.6	-2.4	-3.5
30	-4.2	-3.8	-3.6	-3.7	-3.5	-3.3	-3.0	-2.8	-2.9	-2.8	-4.8	-5.1	-4.5	-7.1	-7.8	-9.4	-11.0	-13.0	-14.5	-15.9	-17.0	-18.9	-19.9	-21.3

MEAN -3.6 -3.7 -3.9 -3.9 -3.9 -3.8 -3.6 -3.2 -2.5 -1.9 -1.3 -.9 -.6 -.6 -.6 -.6 -.6 -.6 -.6 -.6 -.6 -.6 -.6 -.6 -.6 -4.0

