



# MONTHLY METEOROLOGICAL SUMMARY SOMMAIRE MÉTÉOROLOGIQUE MENSUEL

MONTH/MOIS OCTOBER / OCTOBRE

1984

AT/À 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: 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 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	19.2	-1.3	9.0	9.0	4.0	72	23						19.0	S	S 31	10.2			
2	20.4	3.5	12.0	6.0	7.0	88	33						21.2	WSW	WSW 39	7.0			
3	17.3	-0.5	8.4	9.6	3.4	97	36						7.5	W	SSW 20	4.6			
4	14.0	5.0	9.5	8.5	4.5	86	52						24.0	ENE	ENE 30*	7.2			
5	23.3	4.5	13.9	4.1	8.9	92	54						21.3	S	SSE 35	8.7			
6	19.3	10.2	14.8	3.2	9.8	94	72		0.8		0.8		11.8	S	S 24	0.6			
7	15.8	6.3	11.1	6.9	6.1	93	66		0.2		0.2		12.5	N	NNE 20*	0.0			
8	20.8	3.2	12.0	6.0	7.0	98	61						5.4	NNW	SW 9*	8.3			
9	22.5	8.0	15.3	2.7	10.3	100	48						14.3	S	S 30	9.2			
10	19.1	8.2	13.7	4.3	8.7	100	72		2.6		2.6		17.1	SSE	SE 31	2.3			
11	20.7	14.5	17.6	0.4	12.6	92	69	1	0.4		0.4		32.7	SSE, S	SSE 48	0.5			
12	23.1	15.8	19.5	0.0	14.5	87	65						31.3	S	S 43*	4.1			
13	22.5	12.2	17.4	0.6	12.4	94	26		0.2		0.2		12.9	SSW	S 30	6.0			
14	16.5	9.2	12.9	5.1	7.9	95	62		0.6		0.6		5.6	SW	SW 13	1.5			
15	15.4	7.5	11.5	6.5	6.5	100	87		37.0		37.0		29.4	N	SE 46	0.0			
16	10.1	3.4	6.8	11.2	1.8	91	63		Tr.		Tr.		33.0	S	S 67	1.0			
17	5.3	0.1	2.7	15.3	0.0	93	55		0.6	0.4	1.0	Tr.	20.6	SW, SSW	SW 33*	4.2			
18	7.4	-1.7	2.9	15.1	0.0	100	59		5.0		5.0		7.7	ENE	E 19	1.4			
19	5.9	3.3	4.6	13.4	0.0	97	89		21.2		21.2		33.4	NNE	NE 50*	0.0			
20	5.0	0.1	2.6	15.4	0.0	100	94		6.0	2.0	8.0	0	24.5	N	N 33	0.0			
21	1.8	0.1	1.0	17.0	0.0	100	93		1.4	4.4	5.6	2	13.8	NNW	NNW 19*	0.0			
22	5.1	-0.6	2.3	15.7	0.0	100	59			Tr.	Tr.	0	12.9	NW	NW 17*	6.4			
23	5.9	-0.7	2.6	15.4	0.0	90	51				0	0	13.3	W	W 19	4.0			
24	2.3	-5.0	-1.4	19.4	0.0	100	77		0.2	0.6	0.8	0	21.1	N	NNE 39*	0.0			
25	4.5	-4.9	-0.2	18.2	0.0	94	77		Tr.		Tr.	0	16.6	SE	S 33	0.2			
26	10.4	3.6	7.0	11.0	2.0	97	70		0.2		0.2	0	16.9	S	S 35	0.9			
27	4.7	-4.6	0.1	17.9	0.0	100	73		10.0		14.6	0	37.8	NW	NNW 50	0.0			
28	-4.4	-10.1	-7.3	25.3	0.0	88	63			Tr.	Tr.	3	16.8	W	NW 26*	8.5			
29	-3.2	-12.2	-7.7	25.7	0.0	89	70			0.2	Tr.	3	18.7	W	NNW 30*	2.6			
30	-7.2	-14.3	-10.8	28.8	0.0	80	61			Tr.	Tr.	2	13.9	W	W 19	9.2			
31	0.0	-12.9	-6.5	24.5	0.0	92	62				0.8	2	20.7	S	W 37	0.0			
MEAN MOYENNE	11.1	1.6	6.4	362.2	127.4	94	63	1	86.4	13.0	99.0		18.9	SOUTH DOMINANTE	S 67	108.6			
NORMAL NORMALE	11.5	0.7	6.1	369.6	82.1	90	53	0.5	25.9	5.2	30.9		19.6	SOUTH	58	151.5			
DEGREE-DAY SUMMARY - SOMMAIRE DE DEGRÉS-JOURS										DAYS WITH TOTAL PRECIPITATION: JOURS AVEC PRÉCIPITATIONS TOTALES: mm					DAYS WITH SNOWFALL: JOURS AVEC CHÛTE 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 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	362.2	383.4	369.6	TOTAL FOR MONTH TOTAL DU MOIS	127.4	55.0	82.1	16	8	7	3	0	7	3	3	0	0		
ACCUMULATED SINCE JULY 1 DEPUIS LE 1 <sup>ER</sup> JUILLET	620.4	581.8	612.1	ACCUMULATED SINCE APRIL 1 DEPUIS LE 1 <sup>ER</sup> AVRIL	1873.2	1895.2	1779.5												

UDC 551.506.1 ( )

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

Subscription Price: \$1.06 monthly; \$10.60 per calendar year (January to December)  
 Prix d'abonnement: mensuel \$1.06; annuel \$10.60 (janvier à décembre)



CLIMATOLOGICAL SUMMARY FOR OCTOBER 1984AT WINNIPEG, MANITOBA

The month was wet with most of the precipitation falling on 3 individual dates. The total of 99.0 mm was the most recorded since October of 1949. Winds with gusts to 98 km/h on the 16th caused a varying amount of structural damage. Overall mean temperatures were near normal, while sunshine and the average winds for the month were below normal.

DAILY WEATHER SUMMARY FOR OCTOBER 1984AT WINNIPEG, MANITOBA

1. Slightly below normal temperatures. Sunny. Mostly light winds.
2. Mild. Partly cloudy. Moderate winds with northwest gusts to 56 Km/h.
3. Slightly below normal temperatures. Partly cloudy. Light winds.
4. Above normal temperatures. Partly cloudy. Moderate winds.
5. Warm. Mostly sunny. Moderate winds. Lightning in evening.
6. Warm. Cloudy. Rain in afternoon, mid evening continued. Smoke in morning. Haze mid morning until late afternoon. Light fog in morning and early evening. Mostly light winds. Visibility restricted.
7. Mild. Cloudy. Rain until early morning. Mostly light winds.
8. Mild. Mostly sunny. Light winds. Light fog in late evening.
9. Warm. Mostly sunny. Mostly light winds. Light fog in morning, haze in afternoon. Visibility restricted. Fog patches late evening.
10. Mild. Partly cloudy. Rain or showers in evening. Fog in morning, haze late morning until early evening. Mostly light winds.
11. Warm. Record high minimum, 14.5°C broke the record of 14.4°C in 1947. Cloudy. Thundershowers in morning. Showers in afternoon. Light fog in morning and early afternoon. Visibility restricted. Moderate winds with south gusts to 65 Km/h in afternoon. Two farmers near Lockport were hit by lightning.
12. Warm. Cloudy clearing early afternoon. Record high minimum of 15.8°C broke the old record of 15.0°C in 1942. Moderate winds with south gusts to 63 Km/h in early morning.
13. Warm. Partly cloudy. Showers in afternoon and late evening continued. Mostly light winds.
14. Mild. Mostly cloudy. Light showers or rain until mid morning. Light rain mid evening continued. Light winds.
15. Mild. Cloudy. Rain until late evening. Light fog late morning until mid evening. Visibility restricted. Moderate winds, southeast gusts to 72 Km/h.
16. Slightly above normal temperatures. Rain in early morning and early evening. Moderate winds with south gusts to 98 Km/h. Considerable wind damage; trees, signs, roofs, some walls damaged at Winnipeg, much damage near Gimli. Mostly cloudy.
17. Cool. Partly cloudy. Rain and snow in the morning. Visibility restricted. Moderate winds with west-southwest gusts to 57 Km/h.
18. Cool. Mostly cloudy. Rain late afternoon continued. Light fog and haze in morning and early afternoon. Light winds.
19. Slightly below normal temperatures. Cloudy. Rain and light fog nearly all day. Moderate winds with northeast gusts to 63 Km/h. Visibility restricted.
20. Below normal temperatures. Rain or drizzle until mid evening. Snow mid evening continued. Light fog late morning, mid afternoon continued. Cloudy. Moderate winds with north-northeast gusts to 46 Km/h.
21. Cold. Cloudy. Snow most of the day. Occasional light rain morning, afternoon and evening. Light winds. Visibility restricted. Light fog in morning, early afternoon and late evening.
22. Slightly below normal temperatures. Partly cloudy. Snow in morning and early afternoon. Light winds.
23. Slightly below normal temperatures. Partly cloudy. Light winds. Light haze and fog in morning.
24. Cold. Cloudy. Moderate winds. Snow in morning and afternoon. Rain in morning. Light fog in morning and early afternoon. Visibility restricted.
25. Cold. Cloudy. Light rain in late evening. Mostly light winds.
26. Mild. Cloudy. Light rain in late evening continued. Mostly light winds.
27. Cold. Cloudy. Rain in morning. Snow late morning until mid evening. Blowing snow late morning until early evening. Light fog in morning. Drifting snow late evening. Visibility restricted. Roads very icy. Moderate winds with north gusts to 67 Km/h in afternoon.
28. Cold. Mostly sunny. Snow flurries or snow in morning. Mostly light winds.
29. Cold. Mostly cloudy. Light snow in morning and mid evening. Mostly light winds but drifting snow in afternoon.
30. Record low maximum temperature of -7.2°C. Previous low record maximum temperature was -4.4°C in 1879, 1917 and 1941. Cold. Mostly sunny. Light snow in early morning. Light winds.
31. Cold. Cloudy. Light snow early evening. Moderate winds with a west gust to 63 Km/h in the evening.

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.	-2.4	-3.0	-4.7	-5.4	-6.0	-6.1	-6.1	-5.8	-4.6	-3.1	-2.0	-1.9	-2.0	-3.0	-3.0	-2.7	-3.7	-2.0	-1.9	-1.3	-1.1	-1.1	-1.1	-1.1
2.	0.0	.2	.2	.4	-2	-1	-2	.3	.9	1.6	2.7	2.8	3.2	3.2	3.0	3.7	3.0	3.1	3.3	3.2	3.1	2.6	2.6	2.6
3.	1.7	1.2	1.0	1.0	-2	-7	-2	-1	1.9	3.6	3.4	3.1	3.2	2.8	2.6	1.5	3.1	2.6	5.7	3.0	4.7	4.3	4.4	3.6
4.	3.8	3.9	3.7	3.6	4.3	4.5	4.7	4.7	5.1	5.4	5.1	5.4	5.0	5.5	4.9	4.6	3.9	3.2	2.8	2.7	2.6	2.5	2.4	2.7
5.	2.7	2.7	2.9	3.3	3.2	4.6	4.8	5.3	6.0	7.3	8.7	9.3	10.6	12.2	12.8	13.4	13.0	13.0	13.0	12.6	12.6	12.6	14.4	13.6
6.	13.6	12.1	12.5	12.5	12.5	12.5	12.1	11.2	11.4	11.8	12.2	13.3	13.6	13.7	14.0	14.6	14.6	14.7	15.0	13.9	13.4	10.3	8.8	8.6
7.	8.6	7.8	8.1	8.1	8.1	7.5	7.0	7.3	8.2	8.6	9.7	11.1	11.4	10.2	9.7	9.2	9.6	9.2	7.6	7.1	6.6	6.2	6.1	5.8
8.	5.1	4.8	4.1	4.4	3.1	2.8	3.0	3.2	5.3	7.3	9.2	9.8	10.3	1.8	12.2	12.2	12.2	12.5	12.2	12.0	12.0	11.4	11.1	10.2
9.	10.8	10.9	8.9	9.3	8.1	7.9	8.1	8.1	8.6	9.8	11.4	11.5	11.6	10.9	10.3	10.8	10.9	12.9	12.2	11.9	12.5	11.8	10.8	11.1
10.	11.3	10.1	9.0	9.1	9.2	8.8	8.8	9.9	10.7	11.3	11.9	12.6	13.0	12.9	12.6	12.6	12.1	12.3	11.8	12.2	13.3	13.6	13.0	12.6
11.	13.2	13.2	13.0	13.3	13.2	13.0	13.2	13.4	14.1	14.4	14.5	14.8	14.7	14.8	14.9	15.6	15.3	15.1	14.2	13.8	13.7	13.8	13.8	13.5
12.	13.4	13.8	14.0	13.8	13.8	13.8	13.8	13.8	14.0	14.2	14.4	14.4	14.7	15.0	15.3	15.9	15.6	15.5	15.2	15.0	15.0	14.9	14.2	14.4
13.	14.9	15.2	15.4	15.2	14.9	14.0	12.5	9.8	9.2	8.8	8.7	7.6	5.4	4.0	1.8	4.1	4.7	6.8	6.5	7.0	7.4	7.7	7.3	7.2
14.	9.0	7.4	7.9	8.7	8.6	8.0	7.4	8.8	8.6	8.7	9.4	9.4	8.6	8.3	8.1	8.6	9.0	9.0	8.6	8.5	7.1	6.9	7.5	7.6
15.	7.2	7.1	8.2	8.1	8.4	8.5	7.5	7.4	7.5	7.6	8.1	8.9	9.2	10.7	14.2	14.6	14.5	14.2	14.1	14.1	14.2	14.2	14.1	10.3
16.	7.4	4.3	2.9	1.5	1.5	.2	.6	-.8	-1.1	-.5	-.3	-.7	0.0	-.2	-.2	.3	.8	1.3	1.3	2.0	1.8	2.5	2.7	2.6
17.	1.5	-.1	-.7	.4	0.0	-.8	-1.3	-.8	-1.9	-2.1	-2.3	-2.3	-2.9	-3.5	-3.1	-3.9	-3.1	-2.2	-1.8	-2.1	-2.3	-1.6	-.8	-1.3
18.	-.9	-2.5	-1.0	-1.9	-1.2	-1.6	-2.0	-1.4	0.0	1.6	2.2	1.0	-1.7	.4	1.1	2.7	4.9	6.0	6.6	6.9	6.1	5.7	5.6	5.3
19.	5.0	4.9	4.5	3.9	4.1	3.9	3.4	3.7	3.1	3.3	3.5	3.4	3.3	3.6	3.1	3.3	2.8	2.7	2.8	3.1	3.2	3.4	3.4	3.4
20.	3.5	3.4	3.6	3.2	3.0	2.7	3.1	2.3	2.3	2.8	2.4	2.3	2.6	3.0	2.4	2.7	2.4	2.2	1.8	.9	1.0	.6	.4	.2
21.	.2	.2	.3	.3	.2	.2	.2	.2	0.0	-.5	.2	.8	.9	1.1	1.1	1.1	1.3	1.1	.7	1.1	1.2	1.3	.8	.6
22.	.6	.6	.5	.2	0.0	-.2	-.7	-.9	-.9	-.3	0.0	-1.8	-1.8	-2.1	-1.9	-2.7	-1.9	-2.4	-1.6	-.8	.9	1.3	.6	-1.2
23.	-1.8	-2.3	-2.2	-2.0	-1.7	-1.2	-1.0	-1.1	-1.0	-.8	-1.1	-.8	-.5	-.9	-2.2	-3.7	-4.3	-4.1	-1.7	-1.6	-2.3	-1.7	-1.3	-1.1
24.	-1.1	-1.2	-1.2	-1.4	-1.3	-1.3	-1.1	-1.1	-.5	.4	.5	.8	.8	-.3	-2.1	-3.3	-3.5	-4.0	-4.5	-5.1	-6.1	-6.8	-7.9	-7.6
25.	-8.2	-7.9	-7.1	-7.2	-6.6	-6.6	-6.4	-5.6	-5.0	-4.3	-3.4	-2.3	-1.9	-.9	-.9	-.2	.6	.8	.9	1.2	1.7	2.4	3.2	2.9
26.	2.3	2.4	2.9	3.1	3.1	3.0	2.8	2.6	2.7	3.2	3.7	4.3	4.3	4.8	5.0	4.9	5.0	5.4	5.3	5.0	4.7	3.9	3.8	3.4
27.	4.0	4.3	3.6	3.2	2.8	2.6	2.3	1.5	.8	.6	0.0	-2.2	-1.0	-1.6	-1.9	-2.7	-3.8	-4.7	-5.1	-5.9	-7.0	-7.7	-8.3	-8.3
28.	-8.8	-9.2	-8.7	-8.4	-8.2	-10.2	-11.7	-12.2	-12.6	-12.6	-12.7	-12.1	-12.1	-11.9	-12.7	-12.3	-12.6	-12.3	-12.4	-12.7	-11.5	-10.7	-10.1	-9.4
29.	-8.3	-7.8	-7.6	-7.2	-6.4	-6.2	-6.1	-5.4	-5.5	-5.0	-8.0	-8.9	-9.2	-9.9	-9.5	-9.1	-10.5	-11.0	-11.5	-11.6	-12.0	-13.5	-14.3	-14.7
30.	-15.3	-15.6	-15.5	-15.1	-15.2	-16.0	-16.5	-16.9	-17.2	-17.1	-16.7	-15.7	-14.8	-14.4	-13.8	-14.4	-14.0	-14.8	-14.5	-14.8	-14.3	-13.4	-13.0	-12.7
31.	-12.3	-11.8	-10.8	-10.5	-10.0	-9.7	-9.5	-9.7	-8.7	-7.4	-5.8	-6.5	-6.5	-6.5	-6.5	-3.4	-2.8	-2.2	-2.1	-2.6	-7.7	-11.1	-14.4	-16.2

MEAN	2.6	2.2	2.2	2.2	2.1	1.9	1.7	1.7	2.0	2.5	2.9	3.0	3.0	2.7	2.9	3.2	3.2	3.4	3.4	3.2	3.0	2.8	2.6	2.2
------	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

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	-3.0	1.8	2.4	4.0	8.9	12.6	8.3	8.0	10.5	11.4	14.0	14.5	9.0	8.3	10.5	1.2

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

MEAN DAILY DEWPOINT BASED ON HOURLY READINGS

DATE	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
MEAN	-1.5	1.7	3.5	2.3	.6	-.6	-1.7	-2.3	-2.4	3.8	-1.2	-11.0	-9.0	-15.0	-8.0

