



MONTHLY METEOROLOGICAL SUMMARY SOMMAIRE MÉTÉOROLOGIQUE MENSUEL

MONTH/MOIS: OCTOBER / OCTOBRE

19 86

AT/A WINNIPEG INTERNATIONAL AIRPORT / AEROPORT INTERN. DE WINNIPEG

LAT: 49° 54' N		LONG 97° 14' W		ELEVATION: 239.6 METRES (ASL) / ALTITUDE: 239.6 MÉTRES (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	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. / TOTAL PRECIP. TOTALE		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	14.4	0.8	7.6	10.4	2.6	97	62	1.6		1.6		4.1	SSW	SSW11	2.4	
2	9.9	3.4	6.7	11.3	1.7	100	64	3.4	TR.	3.4		18.0	NNW	N 33*	0.0	
3	7.8	-2.8	2.5	15.5		88	42	TR.		TR.		10.9	NNW	NNW26	10.1	
4	13.4	-0.2	6.6	11.4	1.6	88	60	0.2		0.2		19.2	S	NNW26	5.9	
5	8.7	0.5	4.6	13.4		93	48	TR.		TR.		14.7	NW	NNW24*	9.2	
6	16.6	2.1	9.4	8.6	4.4	91	59	0.4		0.4		14.8	S	S 22	8.5	
7	15.2	4.2	9.7	8.3	4.7	95	63	0.6		0.6		20.4	N	N 41	0.6	
8	6.2	-4.8	0.7	17.3		82	37	TR.		TR.		15.9	NW	NW 31	6.9	
9	8.9	-6.3	1.3	16.7		88	47					18.3	S	S 33*	6.3	
10	8.6	2.8	5.7	12.3	0.7	93	57	0.6		0.6		27.1	WNW	WNW37*	0.0	
11	5.3	-2.3	1.5	16.5		92	50		TR.	TR.		20.3	N	N 28	2.6	
12	5.5	-2.5	1.5	16.5		83	47					8.6	N	N 17*	7.4	
13	10.6	-3.3	3.7	14.3		87	32					13.2	S	SW 20*	9.0	
14	5.3	-5.4	-0.1	18.1		89	70	TR.		TR.		21.3	N	N 46	1.9	
15	17.1	1.5	9.3	8.7	4.3	91	46					20.2	WSW	SSW33	5.5	
16	13.7	-1.8	6.0	12.0	1.0	100	54					9.5	N	S 22	9.2	
17	16.9	0.9	8.9	9.1	3.9	93	43					23.2	S	SSE31	10.2	
18	15.9	5.7	10.8	7.2	5.8	92	61					27.5	S	S 35	9.6	
19	18.8	2.5	10.7	7.3	5.7	100	53					11.5	S	S 20*	9.0	
20	20.7	0.5	10.6	7.4	5.6	100	32					8.1	SW	WSW19	9.6	
21	23.4	1.2	12.3	5.7	7.3	84	38					14.8	SSW	SSW22*	9.7	
22	14.1	3.3	8.7	9.3	3.7	97	68					21.0	N	N 33	7.4	
23	8.0	0.1	4.1	13.9		93	67					7.1	S	NE 15	2.6	
24	10.8	-2.7	4.1	13.9		97	57					11.4	S	S 17*	8.6	
25	11.7	-2.5	4.6	13.4		99	55					14.7	S	S 24*	9.7	
26	15.3	-0.5	7.4	10.6	2.4	99	56					13.8	S	W 19	8.9	
27	12.3	0.0	6.2	11.8	1.2	99	65					15.1	S	S 48	2.1	
28	13.5	-2.8	5.4	12.6	0.4	95	51					21.4	NW	NNW31*	6.0	
29	1.2	-8.5	-3.7	21.7		87	51	TR.		TR.		9.9	N	N 20	3.5	
30	7.8	-8.5	-0.4	18.4		97	59	2.6		2.6		17.4	SSE	SSE31	5.0	
31	7.0	-5.5	0.8	17.2		97	57	2.2		2.2		28.3	NW	NW 50	1.4	
MEAN MOYENNE	11.8	-1.0	5.4	390.8	57.0	93	53	0	11.6	TR.	11.6	16.1	PREVAILING / DOMINANTE	MAXIMUM / NW 50	TOTAL / 188.8	
NORMAL NORMALE	11.5	0.7	6.1	369.6	82.1			0.5	25.9	5.2	30.9	19.6	S		151.5	

DEGREE-DAY SUMMARY - SOMMAIRE DE DEGRÉS-JOURS

DAYS WITH TOTAL PRECIPITATION: JOURS AVEC PRÉCIPITATIONS TOTALES

DAYS WITH SNOWFALL: JOURS AVEC CHÛTE 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	TOTALS / TOTALES (mm)					TOTALS / TOTALES (cm)				
								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	390.8	401.6	369.6	TOTAL FOR MONTH / TOTAL DU MOIS	57.0	54.8	82.1	8	4	3	0	0	0	0	0	0	
ACCUMULATED SINCE JULY 1 / ACCUMULÉE DEPUIS LE 1 ^{er} JUILLET	642.9	741.1	612.1	ACCUMULATED SINCE APRIL 1 / ACCUMULÉE DEPUIS LE 1 ^{er} AVRIL	1775.6	1597.9	1779.5	8	4	3	0	0	0	0	0	0	

UDC 551.506.1 (

*) INDICATES MORE THAN ONE OCCURENCE OF THE SPEED BUT NOT NECESSARILY THE DIRECTION. ! ACTUAL SPEED IS 50 KMH GREATER THAN INDICATED.

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CLIMATOLOGICAL SUMMARY FOR OCTOBER 1986**AT WINNIPEG, MANITOBA**

Very pleasant and dry conditions prevailed throughout much of October, particularly the period of the 15th through 28th. Only 11.6 mm of precipitation was recorded for the month - 38% of the seasonal normal.

The maximum temperature of 23.4°C was reached on the 21st while the lowest temperature was recorded on the 29th and 30th at -8.5°C.

The bright sunshine total of 188.8 hours is the 7th highest October total on record.

DAILY WEATHER SUMMARY FOR OCTOBER 1986**AT WINNIPEG, MANITOBA**

1. Clear, becoming cloudy in the afternoon, some light rain in the evening. Temperatures below normal. Winds light.
2. Cloudy, light rain. Temperatures below normal. Winds light becoming moderate in the afternoon.
3. Cloudy early morning becoming sunny by mid-morning. Temperatures below normal. Winds light.
4. Cloudy with a few sunny periods. Rain shower in the evening. Temperatures below normal. Winds light occasionally moderate.
5. Cloudy in the morning becoming sunny in the afternoon. Temperatures below normal. Winds light.
6. Cloudy with rain showers in the morning, some sunny periods in the afternoon. Temperatures above normal. Winds light.
7. Cloudy with a rain shower early morning. Temperatures above normal. Winds light becoming moderate with strong gusts.
8. Cloudy becoming sunny by noon. Temperatures below normal. Winds light becoming moderate with gusts near noon.
9. Sunny becoming cloudy in the late afternoon. Temperatures below normal. Winds light becoming moderate with strong gusts in the afternoon.
10. Cloudy with rain showers. Temperatures below normal. Winds moderate with strong gusts.
11. Cloudy. Temperatures below normal. Winds moderate.
12. Cloudy early morning becoming sunny. Temperatures below normal. Winds light.
13. Sunny. Temperatures below normal. Winds light.
14. Sunny becoming cloudy by noon. Temperatures below normal. Winds light becoming moderate with strong gust at mid day.
15. Cloudy, becoming sunny in the afternoon. Temperatures above normal. Winds light becoming moderate during the day.
16. Sunny. Temperatures above normal. Winds light.
17. Sunny. Temperatures above normal. Winds light becoming moderate with gusts.
18. Sunny. Temperatures above normal. Winds moderate with strong gusts.
19. Sunny. Temperatures above normal. Winds light.
20. Sunny. Temperatures above normal. Winds light.
21. Sunny. Temperatures above normal. Winds light.
22. Sunny becoming cloudy in the afternoon. Temperatures above normal. Winds light to moderate in the afternoon.
23. Cloudy becoming sunny in the late afternoon. Temperatures below normal. Winds light.
24. Clear. Temperatures near normal. Winds light.
25. Clear. Temperatures near normal. Winds briefly moderate near noon, otherwise light.
26. Sunny. Temperatures above normal. Winds light.
27. Cloudy. Temperatures above normal. Winds light becoming moderate to strong with a gale force gust in the evening, returning to light again late evening.
28. Cloudy, clearing in the afternoon. Temperatures above normal. Winds moderate becoming light in the afternoon.
29. Cloudy with snow showers in the morning, clearing in the late afternoon. Temperatures below normal. Winds light.
30. Clear, becoming cloudy by late morning, rain beginning in the late evening. Temperatures near normal. Winds light becoming moderate near noon.
31. Cloudy with rain overnight, snow showers in the evening. Temperatures near normal. Winds strong with a few gale force gusts, becoming light by evening.

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	3.0	2.4	2.6	2.3	1.2	0.2	-0.1	1.6	4.7	6.5	7.4	6.5	6.9	6.9	6.8	6.8	6.2	6.5	7.1	7.9	8.1	8.3	8.2	8.2
2	8.1	7.9	8.0	7.7	8.0	6.8	6.9	7.5	8.1	7.8	7.6	7.6	7.1	5.8	4.2	2.0	3.4	3.0	3.0	3.3	3.3	3.8	3.4	2.5
3	1.3	0.5	0.5	-0.9	-2.3	-3.0	-3.5	-4.3	-3.4	-1.9	-1.3	-1.0	-0.2	-3.1	-4.3	-4.8	-3.6	-5.1	-4.6	-3.7	-3.6	-3.6	-3.4	-3.2
4	-3.4	-2.1	-1.0	-0.2	-0.3	0.2	0.6	2.0	2.5	3.7	5.2	6.2	6.4	6.6	6.1	6.5	4.1	1.6	2.1	2.3	1.9	1.6	1.6	1.5
5	0.7	0.9	1.1	0.8	1.2	0.8	0.3	0.2	0.1	0.0	-0.6	-2.9	-2.7	-1.9	-2.7	-2.0	-2.2	-2.9	-3.1	-2.9	-2.3	-2.4	-2.7	-2.7
6	-1.9	-1.1	-0.5	0.2	0.9	2.3	2.7	2.7	3.3	4.4	6.1	8.0	8.6	9.0	8.5	8.0	8.1	7.3	7.3	7.1	6.9	7.0	8.0	8.4
7	8.5	9.5	9.8	10.1	11.0	10.6	10.3	10.0	10.3	7.8	6.2	5.2	4.4	3.4	2.0	2.2	1.2	1.5	1.6	2.3	2.9	2.3	1.6	1.5
8	0.1	0.5	0.3	0.3	0.4	-0.4	-0.6	-1.2	-3.3	-2.9	-5.8	-6.9	-6.3	-7.1	-6.4	-7.9	-6.6	-7.3	-6.9	-6.8	-6.4	-7.0	-7.6	-7.9
9	-7.7	-7.9	-8.2	-7.9	-8.4	-7.6	-8.0	-7.3	-5.2	-4.6	-3.3	-2.8	-2.2	-2.7	-2.8	-1.9	-2.4	-2.2	-2.1	-2.4	-2.8	-3.4	-2.8	-2.6
10	-2.6	-2.5	-1.2	0.0	0.3	0.7	1.0	2.1	2.7	3.2	4.3	5.5	5.4	4.4	3.5	1.5	-0.4	-0.1	-0.2	-0.1	2.0	1.6	1.5	1.9
11	1.7	1.3	-0.2	-0.9	-0.7	-1.1	-1.1	-1.8	-1.9	-1.9	-2.5	-3.3	-5.8	-5.6	-5.1	-6.4	-7.3	-6.2	-6.6	-6.7	-6.5	-6.1	-6.6	-6.4
12	-6.3	-6.1	-6.0	-6.2	-6.2	-6.4	-6.3	-6.3	-6.3	-5.9	-6.0	-5.9	-5.5	-5.3	-6.0	-5.9	-5.7	-5.7	-5.4	-5.4	-5.6	-5.1	-4.5	-4.5
13	-4.5	-4.5	-4.2	-4.3	-4.5	-4.7	-4.4	-4.8	-4.1	-3.1	-2.0	-3.5	-4.3	-5.1	-4.6	-5.5	-4.8	-5.3	-4.5	-4.6	-4.7	-4.5	-5.0	-5.1
14	-5.3	-5.4	-5.3	-6.4	-6.5	-7.3	-6.5	-5.4	-1.8	-0.2	0.2	0.9	1.0	0.4	-0.2	1.5	-0.5	-1.3	-1.6	-1.6	-1.6	-1.7	-1.7	-1.7
15	-2.0	-2.3	-2.1	-1.4	-1.2	-1.1	-1.0	-1.2	-1.1	-0.8	-0.1	1.0	2.2	3.1	4.1	4.5	5.4	6.2	5.5	4.7	3.8	3.6	3.1	3.2
16	2.5	2.3	1.7	0.3	1.0	-0.4	-0.8	-1.8	0.3	3.0	4.1	3.9	4.2	4.5	4.2	4.6	4.6	3.8	3.2	3.1	3.0	2.5	3.2	2.2
17	1.8	1.1	0.6	0.6	0.6	0.0	0.2	0.8	1.3	2.5	4.1	5.1	5.3	4.7	4.5	3.6	4.2	4.6	4.4	4.3	4.4	4.7	5.0	5.5
18	5.4	5.4	5.4	5.3	5.2	5.0	4.8	4.7	4.7	5.4	6.3	7.0	7.6	8.0	8.2	8.4	8.1	8.1	7.7	8.1	8.0	7.6	7.2	6.8
19	6.8	6.6	6.5	6.2	6.2	6.3	6.2	6.2	6.3	7.3	8.8	9.3	9.8	9.8	9.9	9.2	8.7	8.1	7.2	6.8	5.6	3.9	3.8	3.1
20	2.5	2.0	1.9	0.3	2.3	1.5	1.7	1.2	1.9	4.7	5.4	5.4	3.1	3.1	2.0	5.4	2.0	2.2	1.8	1.3	1.1	0.6	0.2	0.1
21	-0.1	1.0	1.1	1.4	1.1	-0.1	0.0	0.1	0.4	2.0	4.6	5.4	6.6	7.8	8.0	8.3	8.6	7.7	6.9	6.6	6.8	7.0	8.4	8.9
22	9.2	8.7	8.7	7.4	6.4	5.5	4.5	3.9	4.2	5.4	5.5	5.6	4.8	3.9	3.4	2.7	2.5	2.8	2.1	1.5	1.3	0.7	0.6	0.4
23	0.3	0.2	0.1	0.5	0.6	0.6	0.9	1.2	1.4	1.2	1.4	1.0	1.7	1.8	0.9	1.3	1.3	0.9	0.4	0.8	0.0	-0.1	-0.9	-0.4
24	-0.6	-1.2	-1.4	-1.7	-3.1	-2.5	-2.5	-1.9	-1.0	0.3	1.5	2.1	1.9	1.9	2.3	2.4	1.7	1.7	1.0	1.2	1.1	0.7	1.1	0.0
25	0.2	-0.9	-1.3	-1.0	-2.2	-1.8	-1.1	-2.0	-1.5	0.6	1.7	2.6	2.5	2.7	2.8	2.9	2.1	1.9	1.5	1.7	1.5	1.0	0.4	-0.1
26	-0.3	-0.5	-1.0	-0.6	-1.0	-0.6	-0.5	-0.6	-0.7	0.4	2.3	3.8	4.8	5.2	5.8	6.8	6.6	6.6	6.0	5.6	5.0	4.6	3.3	3.1
27	2.6	2.6	1.7	-0.1	2.3	3.1	3.8	3.9	3.9	4.2	4.4	4.6	4.7	5.3	5.3	5.4	5.6	5.1	5.3	5.3	5.2	5.2	5.6	6.1
28	6.2	6.2	5.4	4.8	4.7	4.2	4.2	2.8	2.3	1.9	1.6	0.2	-0.1	-0.1	-0.5	-1.6	-1.2	-0.1	-0.5	-2.4	-2.1	-3.0	-3.5	-3.3
29	-2.2	-2.6	-3.9	-5.1	-4.8	-4.8	-4.6	-4.2	-5.1	-4.4	-5.0	-5.0	-5.8	-6.5	-6.2	-7.8	-8.5	-8.6	-8.6	-9.2	-9.9	-9.9	-9.3	-8.8
30	-9.7	-9.0	-8.6	-9.8	-9.8	-10.7	-10.6	-10.5	-9.2	-7.9	-6.7	-5.9	-4.5	-2.3	-1.1	-0.5	-0.4	-0.4	0.0	0.7	1.1	1.6	2.3	5.2
31	5.4	6.1	5.3	2.2	0.7	-0.6	-1.7	-3.6	-5.1	-5.3	-5.3	-7.3	-6.9	-8.6	-10.6	-9.8	-7.1	-7.8	-7.0	-11.0	-11.0	-11.4	-10.5	-10.8

MEAN	0.6	0.6	0.5	0.1	0.1	-0.2	-0.2	-0.3	0.3	1.0	1.6	1.7	1.7	1.6	1.3	1.3	1.1	0.9	0.7	0.6	0.5	0.3	0.3	0.4
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MEAN DAILY DEWPOINT TEMPERATURES BASED ON HOURLY READINGS.

DATE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
MEAN	5.3	-2.6	-1.2	2.3	-1.2	5.7	5.1	-4.6	-4.5	-3.7	-4.4	1.5	3.1	6.6	7.0	4.5	4.2	0.7	0.2	0.6	2.7	4.2	0.7	0.2	0.6	2.7	4.2	6.3	6.3	-5.1	-4.4