



Environment Canada / Environnement Canada

Atmospheric Environment Service / Service de l'environnement atmosphérique

MONTHLY METEOROLOGICAL SUMMARY SOMMAIRE MÉTÉOROLOGIQUE MENSUEL

MONTH/MOIS

JULY / JULIETTE

1986

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 (NNM)		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
	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 / 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	HOURS / HEURES
1	24.5	13.8	19.2		14.2	90	48						12.8	N	N 28	11.1
2	23.6	9.7	16.7	1.3	11.7	91	39						7.0	SSE	SSE11*	13.9
3	31.0	15.4	23.2		18.2	95	51	1	14.6		14.6		22.0	S	S 33	8.4
4	25.5	14.7	20.1		15.1	98	51						7.7	W	S 13*	8.0
5	25.5	15.7	20.6		15.6	91	56	1	2.2		2.2		24.6	WSW	SSE44	10.6
6	21.4	12.8	17.1	0.9	12.1	80	53						24.0	WSW	WSW30*	15.4
7	24.5	12.5	18.5		13.5	87	50						13.2	W	W 20	14.1
8	26.7	10.5	18.6		13.6	91	48	1	0.2		0.2		6.9	CALM	ENE15*	12.7
9	25.0	12.4	18.7		13.7	96	43		TR.		TR.		8.2	E	E 15	12.1
10	18.7	13.9	16.3	1.7	11.3	94	75	1	41.6		41.6		17.2	E	E 35*	0.0
11	21.0	15.4	18.2		13.2	91	70		4.4		4.4		25.7	SSE	SSE35	0.2
12	15.6	13.2	14.4	3.6	9.4	97	80		2.6		2.6		19.9	E	E 26*	0.0
13	20.2	13.7	17.0	1.0	12.0	96	73		TR.		TR.		6.8	SE	SSE13*	2.3
14	25.1	14.1	19.6		14.6	96	67	1	0.6		0.6		11.0	S	SSE28	11.9
15	27.6	13.6	20.6		15.6	100	53						7.2	S	S 13	9.5
16	27.2	19.2	23.2		18.2	95	65						8.9	NNW	ENE17	2.4
17	27.4	17.5	22.5		17.5	95	73	1	5.6		5.6		13.7	E	SSE22*	5.2
18	27.8	16.0	21.9		16.9	96	51						13.4	WSW	SSW26	11.7
19	24.7	12.1	18.4		13.4	93	58		1.7		1.7		13.5	W	NW 28	10.4
20	22.6	11.0	16.8	1.2	11.8	93	55		0.4		0.4		6.8	WNW	NW 13	10.5
21	26.4	12.0	19.2		14.2	98	44						11.8	WSW	W 22*	12.9
22	26.2	13.0	19.6		14.6	94	43						9.2	SE	SSE19	15.0
23	30.0	19.4	24.7		19.7	91	58	1	1.0		1.0		20.0	S	S 35	13.0
24	24.2	14.6	19.4		14.4	92	52						14.4	W	WNW24*	13.9
25	27.2	11.6	19.4		14.4	98	45	1	TR.		TR.		10.2	S	S 20	11.8
26	24.4	17.1	20.8		15.8	93	72	1	14.9		14.9		11.1	S	S 28	2.0
27	25.1	15.3	20.2		15.2	100	51						8.2	N	NE 17	9.7
28	26.1	15.6	20.9		15.9	96	50	1	5.2		5.2		9.2	W	W 20	11.2
29	28.8	14.8	21.8		16.8	92	59	1	20.8		20.8		15.7	S	SSE30	7.7
30	24.0	15.0	19.5		14.5	81	43	1	1.4		1.4		18.5	W	WSW24*	12.9
31	23.9	12.3	18.1		13.1	98	46	1	0.8		0.8		15.1	WSW	WSW22*	10.7
MEAN MOYENNE	24.9	14.1	19.5	TOTAL 9.7	TOTAL 450.2	93	56	TOTAL 13	TOTAL 118.0	TOTAL 0.0	TOTAL 118.0		13.3	PREVAILING DIRECTION / DIRECTION DOMINANTE	MAXIMUM SSE44	TOTAL 291.2
NORMAL NORMALE	25.9	13.3	19.6	21.1	453.8			6.5	75.9		75.9		16.0	S		315.6

DEGREE-DAY SUMMARY - SOMMAIRE DE DEGRÉS-JOURS

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	DAYS WITH TOTAL PRECIPITATION / JOURS AVEC PRÉCIPITATIONS TOTALES: mm					DAYS WITH SNOWFALL / JOURS AVEC CHÔTE DE NEIGE: 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	9.7	19.9	21.1	TOTAL FOR MONTH / TOTAL DU MOIS	450.2	426.3	453.8	16	12	9	4	0	0	0	0	0	0
ACCUMULATED SINCE JULY 1 / ACCUMULÉE DEPUIS LE 1 ^{er} JUILLET	9.7	19.9	21.1	ACCUMULATED SINCE APRIL 1 / ACCUMULÉE DEPUIS LE 1 ^{er} AVRIL	1129.9	1038.1	1061.9	16	12	9	4	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.

Subscription Price: \$ 2.50 monthly; \$ 25.00 per calendar year (January to December) / Prix d'abonnement: mensuel \$ 2.50; annuel \$ 25.00 (janvier à décembre)



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

July was somewhat unsettled with close to normal temperatures and abundant rainfall.

The rainfall total of 118.0 mm is the heaviest for July since 1973. In all there were 16 days with measurable rainfall, not far from the record 18 days set in the years 1912 and 1938. Heaviest rainfall amounts occurred on the 10th and 29th with 41.6 mm and 20.8 mm respectively.

Temperature extremes ranged from a maximum of 31.3°C on the 3rd to a minimum of 9.7°C on the 2nd. Sunshine hours and the average wind speed were below normal.

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

1. Cloudy. Temperatures near normal. Winds light.
2. Sunny, becoming cloudy late in the afternoon. Temperatures below normal. Winds light.
3. Sunny, becoming cloudy in the afternoon. Temperatures above normal. Winds light becoming moderate with strong gusts near noon becoming light in the evening.
4. Mainly sunny with some cloudy periods in the afternoon. Temperatures near normal. Winds light.
5. Cloudy in the morning, sunny by noon. Temperatures near normal. Winds moderate with strong gusts during the day becoming light in the evening.
6. Sunny. Temperatures below normal. Winds moderate with strong gusts becoming light in the evening.
7. Sunny. Temperatures slightly below normal. Winds light.
8. Main sunny with a few cloudy periods and a thundershower in the afternoon. Temperatures above normal. Winds light.
9. Sunny becoming cloudy in the late evening. Temperatures slightly below normal. Winds light.
10. Cloudy, light rain. Temperatures below normal. Winds light becoming moderate in the afternoon.
11. Cloudy, few rainshowers. Temperatures below normal. Winds light becoming moderate in the afternoon.
12. Cloudy with light rain. Temperatures below normal. Winds moderate becoming light in the evening.
13. Cloudy becoming sunny in the late afternoon. Temperatures below normal. Winds light.
14. Cloudy becoming sunny in the afternoon. Temperatures below normal. Winds light.
15. Sunny with a few cloudy periods near noon. Temperatures above normal. Winds light.
16. Cloudy. Temperatures above normal. Winds light.
17. Cloudy becoming sunny in the afternoon. Temperatures above normal. Winds light.
18. Sunny. Temperatures above normal. Winds becoming moderate in the afternoon.
19. Sunny with some cloudy periods in the afternoon. Temperatures below normal. Winds light.
20. Sunny with a few cloudy periods near noon. Temperatures below normal. Winds light.
21. Sunny. Temperatures near normal. Winds light.
22. Sunny. Temperatures near normal. Winds light.
23. Sunny with some cloudy periods early morning. Temperatures above normal. Winds light becoming moderate with strong gusts.
24. Mainly sunny with some cloudy periods in the afternoon. Temperatures below normal. Winds light.
25. Sunny, becoming cloudy in the evening. Temperatures above normal. Winds light.
26. Cloudy with thundershowers, hail reported in Fort Rouge and St. Vital. Temperatures below normal. Winds light.
27. Cloudy, becoming sunny by noon. Temperatures slightly below normal. Winds light.
28. Cloudy with a thundershower, becoming sunny by noon. Temperatures above normal. Winds light.
29. Cloudy with thundershowers, some sunny periods near mid-day. Hail reported in St. Vital. Winds light becoming moderate at times.
30. Cloudy with thundershowers overnight, clearing by morning. Temperatures near normal. Winds moderate becoming light by evening.
31. Variable cloudiness with showers in the evening. Temperatures near normal. Winds light.

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	12.3	12.6	13.1	12.9	12.8	12.9	13.0	13.6	13.0	12.3	13.6	12.9	12.8	11.5	10.9	11.7	11.7	11.6	12.7	11.2	12.3	12.7	12.9	12.6																			
2	11.4	9.8	9.2	9.3	8.6	8.1	8.6	9.0	10.5	9.4	7.9	7.6	9.3	8.6	8.0	8.1	9.2	8.8	10.2	11.2	10.4	9.4	8.0	8.0																			
3	8.0	9.4	10.5	10.8	11.3	11.6	12.3	13.4	14.6	15.9	16.6	17.5	18.2	19.4	18.8	19.0	19.2	17.9	17.6	18.0	17.3	17.2	17.2	17.3																			
4	17.3	17.0	16.9	16.1	15.6	14.3	14.9	16.1	17.1	16.0	14.2	15.6	15.7	14.2	14.0	14.9	15.0	16.6	17.0	15.4	15.6	15.3	14.5	14.5																			
5	13.3	14.8	15.3	15.3	17.0	17.6	18.3	19.1	20.3	22.3	21.1	17.8	16.1	15.2	14.1	14.9	13.2	11.9	11.7	12.2	12.4	10.5	10.6	11.3																			
6	11.3	11.3	11.1	10.4	9.6	9.4	9.1	9.2	9.0	8.2	8.5	9.7	9.7	9.9	9.7	10.7	10.4	11.0	11.2	10.7	11.5	11.2	10.8	10.6																			
7	10.3	10.3	10.3	10.6	11.2	10.8	11.0	11.6	12.2	12.8	12.7	12.6	12.2	12.0	13.0	12.6	13.8	13.2	12.2	12.6	12.1	13.3	12.2	11.5																			
8	10.8	10.1	10.8	11.1	9.8	9.8	11.5	13.3	12.8	12.5	13.0	12.6	12.6	13.4	13.6	15.2	15.2	16.0	16.7	15.2	15.6	13.3	13.8	13.0																			
9	12.8	13.6	13.1	13.0	12.7	11.7	12.8	14.1	14.1	12.6	12.5	12.0	12.8	12.5	13.0	12.8	11.2	11.2	11.9	14.0	13.0	13.0	13.8	10.8																			
10	13.0	14.2	13.8	15.4	16.2	14.0	14.1	14.6	14.7	14.9	14.7	15.3	15.3	15.8	14.8	14.9	13.2	13.4	13.4	13.3	12.6	12.7	13.0	13.6																			
11	14.0	15.0	16.0	16.2	16.2	15.9	15.9	16.0	16.0	16.2	16.0	16.4	16.0	16.9	17.8	15.3	15.2	14.4	14.6	14.2	13.5	13.5	13.1	13.0																			
12	12.7	12.5	11.9	11.4	11.4	11.6	12.2	12.4	12.3	12.8	13.1	13.3	13.1	13.4	13.0	13.0	12.7	13.0	12.6	12.6	12.5	12.6	12.7	12.6																			
13	12.5	12.5	12.6	12.7	12.6	12.8	12.9	13.1	13.0	13.2	13.5	13.8	13.7	14.1	14.3	14.4	14.4	14.2	14.4	14.4	15.2	14.6	14.6	14.5																			
14	14.3	13.7	13.8	14.0	14.6	14.1	14.4	14.8	13.8	14.9	14.8	15.7	16.8	16.6	17.3	17.7	17.7	18.0	17.7	18.1	18.2	18.1	17.2	16.5																			
15	16.6	16.0	14.6	14.2	14.3	14.4	14.7	16.3	17.0	18.2	18.0	18.2	17.3	17.0	17.6	17.4	16.4	16.6	16.7	16.4	17.9	18.1	17.9	17.9																			
16	17.9	17.9	17.6	17.9	18.7	18.5	19.1	20.0	20.6	21.6	21.5	21.8	22.1	22.0	20.3	20.8	18.2	18.5	17.5	18.7	17.2	17.0	16.6	16.6																			
17	16.4	16.4	16.3	16.2	16.2	16.4	16.4	19.0	19.7	19.7	19.9	20.5	21.1	22.0	21.0	22.1	21.5	21.8	20.8	21.0	19.4	18.9	18.6	18.5																			
18	18.2	18.0	18.1	17.0	16.1	15.3	15.6	14.9	14.4	15.3	15.4	15.7	16.0	16.6	16.3	18.8	16.0	14.6	15.3	14.2	15.4	16.0	15.7	11.1																			
19	14.3	14.1	13.8	13.5	13.2	12.7	13.0	14.2	15.3	15.5	15.6	15.8	14.9	16.1	15.6	16.0	16.8	16.6	16.6	15.3	15.2	13.9	12.1	11.6																			
20	10.8	10.3	9.8	9.1	10.4	10.5	10.7	12.0	13.8	14.3	15.3	14.1	14.6	14.2	13.8	13.0	13.1	12.0	14.2	14.2	14.7	14.0	13.4	13.6																			
21	13.4	13.9	12.4	11.4	11.3	11.9	12.6	13.9	14.6	12.8	13.8	12.2	12.1	13.7	13.8	11.9	14.2	13.5	15.2	15.8	16.0	17.1	16.2	16.2																			
22	14.5	13.4	12.5	12.0	12.2	11.3	12.0	9.3	7.6	9.2	10.7	11.4	11.0	10.7	13.5	14.8	15.5	16.0	16.1	16.5	16.9	17.2	16.8	16.8																			
23	16.6	16.5	16.3	16.0	16.2	17.6	18.5	18.8	19.3	18.5	18.2	19.1	20.4	20.9	21.5	22.6	22.3	23.4	19.8	19.1	19.7	19.8	19.8	18.8																			
24	17.9	17.3	16.7	15.9	15.8	15.8	16.3	16.9	16.0	15.5	16.1	14.8	13.4	13.4	14.6	13.0	13.3	13.1	13.2	13.2	12.9	12.6	12.2	12.2																			
25	12.6	12.7	11.0	12.2	11.7	11.0	12.0	12.6	13.8	13.9	14.6	15.2	15.5	15.7	13.7	13.5	13.8	13.9	14.9	15.2	14.9	15.3	14.3	13.7																			
26	14.2	14.3	15.4	15.4	15.7	15.8	16.1	16.4	16.0	17.5	16.4	17.9	18.0	18.2	19.7	18.8	18.6	18.9	17.8	17.5	17.3	16.9	16.9	16.9																			
27	16.6	15.5	15.1	15.9	16.1	15.9	16.2	16.8	16.9	17.2	18.4	17.6	14.9	15.6	13.3	16.4	16.0	17.4	17.9	17.0	16.6	16.0	16.0	16.0																			
28	15.3	14.9	14.8	15.4	16.0	16.6	16.3	15.4	16.3	17.1	17.4	17.8	17.9	16.8	15.6	15.0	14.3	14.5	15.8	17.0	17.2	17.3	16.8	16.2																			
29	15.1	15.3	14.9	15.1	16.3	14.6	15.1	15.5	16.4	17.9	18.6	19.1	20.2	20.8	20.1	18.6	21.3	19.8	17.7	17.6	17.9	18.1	18.9	16.5																			
30	14.6	12.7	15.6	15.2	14.8	14.0	12.3	10.4	10.1	10.7	9.8	10.9	10.9	11.3	11.7	9.8	10.8	10.1	9.8	12.4	11.5	11.0	9.3	10.4																			
31	9.6	10.1	10.7	11.3	12.0	10.3	10.3	11.3	12.3	11.9	12.1	12.2	10.6	12.2	11.8	10.7	11.4	11.6	13.0	14.2	14.7	13.4	13.4	13.3																			
MEAN	13.8	13.7	13.7	13.6	13.8	13.5	13.8	14.3	14.6	14.9	14.9	15.1	15.1	15.1	15.1	15.0	15.2	15.0	14.9	15.1	15.1	14.9	14.5	14.2																			
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	12.5	15.4	15.6	15.3	12.0	12.0	13.0	14.2	15.3	12.6	13.6	15.9	19.1	16.1	16.1	14.6	13.7	13.1	14.8	16.9	16.3	16.2	17.6	11.7	9.1	15.6	10.2	13.0	14.2	15.3	12.6	13.6	16.7	19.2	19.2	14.6	12.7	13.7	19.2	14.8	16.9	16.2	11.7