



Environment Canada / Environnement Canada

Atmospheric Environment Service / Service de l'environnement atmosphérique

MONTHLY METEOROLOGICAL SUMMARY SOMMAIRE MÉTÉOROLOGIQUE MENSUEL

MONTH/MOIS JULY / JUILLET

19 85

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

LAT: 49° 54' N		LONG: 97° 14' W		ELEVATION: ALTITUDE: 239.6		METRES (ASL) MÈTRES (NMM)		STANDARD TIME USED: HEURE NORMALE UTILISÉE: CENTRAL								
DATE	TEMPERATURE TEMPERATURE			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	22.6	12.4	17.5	0.5	12.5	98	59				0	15.4	WNW	NW 28*	14.7	
2	26.3	10.6	18.5		13.5	95	50				0	9.7	W	WSW15	14.3	
3	29.1	15.8	22.5		17.5	89	33	1	0.2	0.2	0	13.9	W	NNW37	10.7	
4	26.3	13.6	20.0		15.0	96	47				0	19.8	NW	NW 26*	14.0	
5	29.8	14.4	22.1		17.1	92	43				0	7.7	WNW	NW 13*	15.3	
6	31.8	16.7	24.3		19.3	91	36		TR.	TR.	0	13.5	S	SSE30*	13.2	
7	32.3	15.6	24.0		19.0	96	46				0	9.0	NW	NW 22	14.7	
8	26.9	13.8	20.4		15.4	96	38				0	9.4	W	NW 22	11.4	
9	24.0	13.1	18.6		13.6	89	38				0	14.8	NW	WNW30	13.6	
10	22.8	12.7	17.8	0.2	12.8	84	30		TR.	TR.	0	11.8	NNW	NNE24	13.0	
11	26.5	7.5	17.0	1.0	12.0	87	42		TR.	TR.	0	12.8	SSW	SSW22	13.5	
12	28.9	12.5	20.7		15.7	89	41	1	0.2	0.2	0	10.5	SSW	S 22	12.9	
13	27.0	12.8	19.9		14.9	96	51	1	5.4	5.4	0	15.5	N	NE 26	11.2	
14	23.0	12.0	17.5	0.5	12.5	100	38	1	3.2	3.2	0	14.5	WNW	NNE30	9.3	
15	24.4	10.2	17.3	0.7	12.3	100	41				0	11.1	W	NW 19	13.5	
16	29.5	11.5	20.5		15.5	98	43	1	17.8	17.8	0	13.9	S	E 24	10.2	
17	25.0	10.8	17.9	0.1	12.9	100	45				0	9.0	NNE	N 19	10.6	
18	25.0	13.6	19.3		14.3	94	39		2.0	2.0	0	9.6	N	NNW20	8.0	
19	27.4	11.2	19.3		14.3	98	43	1	1.6	1.6	0	13.2	W	WSW26	12.9	
20	21.3	9.8	15.6	2.4	10.6	98	46				0	6.3	NNW	NW 17	11.9	
21	20.8	8.4	14.6	3.4	9.6	97	37				0	12.8	NW	N 28	14.7	
22	24.9	9.3	17.1	0.9	12.1	86	45	1	1.4	1.4	0	21.4	SSE	S 46	7.8	
23	24.3	14.6	19.5		14.5	98	65	1	1.2	1.2	0	22.0	S	S 52	2.1	
24	20.4	9.0	14.7	3.3	9.7	100	48				0	11.1	NNW	NW 19	8.4	
25	23.4	10.2	16.8	1.2	11.8	95	58		TR.	TR.	0	9.0	SW	NNW20	7.3	
26	25.6	7.6	16.6	1.4	11.6	100	39				0	4.5	CALM	SSE13	14.3	
27	27.0	14.1	20.6		15.6	90	38	1	1.0	1.0	0	14.7	W	WNW26*	11.3	
28	20.9	9.7	15.3	2.7	10.3	93	52		TR.	TR.	0	18.6	NW	NW 31	10.3	
29	25.1	7.7	16.4	1.6	11.4	92	38				0	8.3	W	SW 13*	13.6	
30	26.0	12.8	19.4		14.4	77	38				0	6.4	SW	SW 15	8.0	
31	28.6	10.6	19.6		14.6	93	33		TR.	TR.	0	4.6	CALM	S 09*	10.4	
MEAN MOYENNE	25.7	11.8	18.8	TOTAL 19.9	TOTAL 426.3	94	43	TOTAL 9	TOTAL 34.0	TOTAL 0.0	TOTAL 34.0		12.0	PREVAILING DIRECTION DOMINANTE W	MAXIMUM S 52	TOTAL 357.1
NORMAL NORMALE	25.9	13.3	19.6	21.1	453.8	90	45	6.5	75.9				16.0	S	51	315.6

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 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	19.9	14.9	21.1	TOTAL FOR MONTH TOTAL DU MOIS	426.3	452.5	453.8	10	8	4	1	0	0	0	0	0	0
ACCUMULATED SINCE JULY 1 ACCUMULÉE DEPUIS LE 1 ^{er} JUILLET	19.9	14.9	21.1	ACCUMULATED SINCE APRIL 1 ACCUMULÉE DEPUIS LE 1 ^{er} AVRIL	1038.1	1071.5	1061.9										

UDC 551.506.1 (

*) INDICATES MORE THAN ONE OCCURENCE OF THE SPEED BUT NOT NECESSARILY THE DIRECTION.

! ACTUAL SPEED IS 50 KM/H GREATER THAN INDICATED.

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WIND SUMMARY (KILOMETRES PER HOUR)

MONTH JULY

1985

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HOUR 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	PEAK GUST	HOUR (CST)	
1	SW	WSW	W	W	W	WNW	WNW	WNW	NW	WNW	WNW	NW	WNW	WNW	NW	NNW	NW	WNW	NW	NW	WNW	WNW	WNW	WNW			
2	7	7	9	13	11	9	11	9	11	13	22	22	26	28	28	19	20	19	26	20	13	9	9	9			
3	11	7	9	9	6	6	9	11	9	9	11	13	9	13	13	15	9	9	11	11	11	6	6	9	NNW	1558	
4	11	11	9	9	9	9	11	6	15	15	9	4	11	22	24	17	17	15	15	11	20	11	37	15	NNW	1125	
5	19	20	19	17	15	13	19	19	17	20	22	24	26	24	24	26	24	22	26	24	15	11	13	17	NNW		
6	13	13	11	7	11	9	11	7	6	4	6	6	7	7	4	13	11	9	9	7	6	4	2	2	NNW		
6	S	S	SSE	ESE	S	S	S	S	SE	SSE	SSE	SSE	SSE	SSE	S	S	S	S	S	S	S	SE	SE	WNW	SSE	1310	
7	4	4	7	9	7	7	9	11	7	15	22	26	30	30	26	26	22	22	15	9	4	4	4	2	44		
7	C	N	ENE	C	NNW	W	NNW	NNW	C	W	WNW	SSW	W	W	WSW	W	NW	NW	NW	NNW	NW	NW	WNW	WNW	NNW	1817	
8	6	4	4	2	4	2	2	2	2	7	7	7	7	11	15	15	20	22	17	20	17	11	11	11	33		
8	N	WNW	W	W	WSW	W	W	W	W	WNW	WNW	WNW	W	W	WNW	W	NW	WNW	NW	W	NNW	NNW	SSW	W	WNW	1525	
9	9	7	7	2	7	9	11	11	13	17	15	15	15	11	6	13	22	11	7	4	6	4	4	4	32		
9	SSW	WSW	WSW	NW	NNW	NW	NNW	N	NNE	N	NNW	NNW	NW	NW	WNW	NNW	NW	WNW	NW	WNW	W	WSW	NW	NW			
10	7	7	9	4	9	11	19	19	22	19	19	20	19	30	28	22	22	17	11	7	7	4	4	4			
10	W	NW	ENE	ENE	ENE	NE	NW	N	N	NNE	NNE	N	NNW	NNW	WNW	NNW	NNW	NW	WNW	WNW	ENE	ENE	E	E	NNW	1620	
11	4	7	11	15	9	6	4	7	11	24	19	13	17	13	17	13	13	19	13	15	7	9	7	7	32		
11	C	SSW	C	C	S	S	S	S	S	SSW	SSW	SW	SSW	SSW	SW	SSW	SW	SW	SSW	S	S	S	S	SSW	SW	1620	
12	6	6	7	7	7	7	9	11	13	17	17	19	22	15	20	19	20	19	13	13	13	13	13	15	32		
12	SSW	SSW	SSW	SSW	SW	SSW	C	C	NNE	E	ESE	ESE	SSE	SSE	SSW	SSW	SSW	S	S	SSE	SSE	S	S	SSE	S	2348	
13	17	11	9	9	9	4	6	7	7	7	7	11	11	11	13	13	13	13	13	15	11	15	11	22	19	35	
13	S	N	NE	E	ENE	N	N	NNW	NNW	NW	N	N	N	NW	W	WNW	WNW	NE	NNW	N	E	SSE	SSW	SW	NNE	1835	
14	22	19	26	11	11	7	15	17	19	20	20	15	17	17	20	20	13	13	6	22	15	9	6	11	50		
14	NW	NW	C	SSW	W	WNW	W	WNW	W	NW	NNW	N	NW	WNW	WNW	WNW	NNE	NNW	W	WNW	WSW	NNE	WNW	WNW	WNW	1519	
15	15	9	7	19	11	13	11	13	26	15	15	19	24	24	24	30	24	7	7	9	11	7	7	7	44		
15	W	W	WNW	WNW	W	WNW	W	W	WNW	WNW	WNW	WNW	WNW	WNW	WNW	NW	NW	NW	NW	W	C	SSW	SE	SSE	NW	1407	
16	11	13	13	11	11	11	9	11	15	15	13	11	17	13	15	11	19	13	11	4		6	7	7	32		
16	S	S	S	S	S	S	S	S	S	S	S	S	S	SSW	S	SE	N	NNE	E	ESE	NW	NNW	C	NE	4	N	1525
17	7	11	15	11	15	15	13	15	17	17	20	22	22	20	20	4	22	7	24	17	11	4	4	4	70		
17	C	N	N	NNW	NNW	C	C	C	NNE	NNE	NE	NE	NE	NE	ENE	N	N	NNE	NNE	NNE	N	N	NNE	N			
18	4	4	4	6	4	4	7	9	13	15	15	13	9	19	17	17	15	11	7	6	7	6	7	17	W	2203	
18	NNE	N	NNE	NNE	NE	NNE	NNE	N	N	N	NNW	WNW	N	N	WNW	WNW	NW	NNW	NNW	NNW	NNW	W	WSW	W	35		
19	19	11	15	15	13	9	7	4	7	9	4	4	11	11	11	6	11	20	11	6	6	6	4	11	35		
19	W	W	WSW	WNW	WNW	WNW	C	W	W	W	SSW	WSW	WSW	W	WNW	NNW	NW	NNW	N	N	N	N	NNW	N	NNW	1510	
20	15	9	11	13	13	13	7	13	7	7	13	15	26	19	22	22	19	17	13	7	17	9	9	9	32		
20	NW	NNW	N	NNW	C	N	N	N	N	C	WNW	NNW	NW	W	S	C	W	NW	WNW	NNW	NW	W	SW	SW			
21	11	11	7	7	2	2	4	4	6	7	7	7	4	7	7	7	13	17	15	7	6	4	6	7			
21	SW	WSW	W	NW	NW	NW	WNW	NNW	N	NNW	NNW	NW	NNW	NW	NNW	WNW	NW	NW	NW	NW	W	WNW	C	C	N	1040	
22	9	13	15	13	11	6	11	17	28	19	19	19	13	19	19	15	11	15	15	9	6	4	4	4	35		
22	S	SSE	S	SSE	SSE	S	SSE	S	SSE	SSE	SSE	SSE	SSE	SSE	SSE	S	SSE	SSE	SSE	SSE	SSE	S	SSE	S	S	2159	
23	4	6	7	6	6	9	9	9	15	22	24	22	24	26	35	33	31	31	37	33	35	46	35	59			
23	SSE	S	S	S	S	S	S	SSE	SSE	S	SSW	WNW	W	NW	N	NW	NNW	N	NNE	N	NNW	N	NNW	N	S	0601	
24	31	33	26	26	26	28	52	26	31	24	30	19	13	19	13	17	19	19	22	17	7	6	11	70			
24	NNE	N	NNE	NW	NW	NNW	NNW	NNW	NNW	N	NNW	N	NW	NW	N	NW	WNW	W	WNW	W	WNW	W	W	W			
25	11	7	6	7	13	13	7	11	11	11	15	15	19	17	17	15	11	15	13	4	6	7	7	9			
25	W	W	WSW	WSW	WSW	SSW	S	SSW	W	SW	W	SW	NW	NNW	NNW	N	NNE	ENE	NNE	NNE	C	N	4	4	NNE	1825	
26	7	7	7	6	6	7	4	6	9	9	13	11	11	13	11	20	13	19	13	11	6	4	4	4	32		
26	C	C	NW	WNW	C	C	C	C	E	E	SSE	SE	SE	SE	C	WSW	SSE	S	SW	S	S	SE	SSE	SSE			
27	7	7	7	7	7	7	7	7	7	7	7	4	4	4	4	4	4	7	6	4	7	7	9	11	13	WNW	1710
27	SSE	SSE	SSE	SSE	SSE	WSW	S	S	S	SW	W	WNW	W	W	W	WNW	NNW	NNW	NNW	NW	WNW	W	W	W	39		
28	11	15	15	15	17	11	9	6	7	13	13	15	17	22	19	24	26	26	22	11	9	7	9	13	46		
28	W	W	W	W	W	W	W	WNW	NW	NNW	NW	NNW	NW	NNW	NW	NNW	NNW	NNW	NW	NW	N	WNW	WNW	NW			
29	13	15	15	13	13	11	11	17	30	28	24	30	26	31	26	26	24	20	19	11	9	9	11	15			
29	WNW	WNW	W	W	C	W	NNW	N	N	WSW	SSW	W	W	WNW	W	WNW	W	SW	SSW	SSW	SSW	SSW	SSW	SSW			
30	11	11	11	7	6	9	7	9	6	9	9	9	9	9	13	6	6	9	9	9	9	9	7	7			
30	SW	SSW	SW	SW	SW	SSW	SSW	SW	WSW	SSW	C	C	S	C	SW	SSE	WSW	WNW	WNW	W	SSE	NE	SSE	7			
31	15	9	9	9	7	7	7	7	7	7	6	6	6	6	6	6	6	6	6	6	6	6	6	6			
31	SSE	S	E	SSW	ENE	S	C	C	SSW	C	C	SSW	WSW	C	C	N	NE	ESE	SE	SE	SSE	S	S	SSW			
	7	9	7	6	4	4	7	7	4	4	4	4	7	7	9	4	6	6	6	6	6	6	6	6			

HOUR	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
MEAN	10.4	10.2	9.6	9.6	8.3	9.5	12.0	14.0	14.8	15.7	16.6	16.2	16.3	14.7	9.9	8.7	9.4	9.9	9.9	8.7	9.4	9.9	9.9	
C	CALM.																							

CLIMATOLOGICAL SUMMARY FOR JULY 1985**AT WINNIPEG, MANITOBA**

July was colder and much drier than normal.

The mean temperature of 18.8°C was 0.8°C below the normal of 19.6°C. The highest temperature for the month was 32.3°C on the 7th and the lowest temperature was 7.5°C on the 11th.

July's rainfall of 34.0 mm was only 45% of the normal total received for the month. The 17.8 mm rainfall on the 16th accounted for slightly more than 50% of the month's total.

Bright sunshine was higher than normal and the average wind speed for the month was much lighter than normal.

DAILY WEATHER SUMMARY FOR JULY 1985**AT WINNIPEG, MANITOBA**

1. Mostly scattered during the day. Clearing off late evening. Temperatures below normal. Winds light, becoming moderate by noon, changing to light in the evening.
2. Partly cloudy. Temperatures near normal. Winds light.
3. Mainly cloudy changing to sunny near mid-day. Mainly cloudy late evening. Showers in the morning. Thundershowers late evening. Temperatures above normal. Winds light gusty in the afternoon and evening. Peak gust was 56 km/h at 11:00 p.m. C.D.T.
4. Mainly cloudy until noon, changing to mainly sunny for the remainder of the day. Temperatures near normal. Winds moderate.
5. Mainly sunny. Temperatures above normal. Winds light.
6. Mainly cloudy until late morning, becoming mainly sunny remainder of the day. Clearing off late evening. Temperatures above normal. Trace of precipitation early morning. Winds light in the morning. Moderate from noon to mid-afternoon becoming light in the evening. Peak wind 41 km/h at 2:00 p.m. C.D.T.
7. Mainly sunny. Temperatures above normal. Winds light.
8. Mainly sunny until noon, then mainly cloudy. Temperatures near normal. Winds light.
9. Mainly sunny. Temperatures near normal. Winds light, becoming moderate mid-afternoon to early evening, then light remainder of the evening.
10. Mainly cloudy becoming mainly sunny late afternoon. Temperatures below normal. Winds light. Very light rain showers early morning.
11. Mainly sunny. Maximum temperature near normal. Minimum temperature below normal. Winds light.
12. Mainly sunny becoming mainly cloudy after noon hour. Thundershowers mid-evening. Maximum temperatures above normal. Minimum temperatures below normal. Winds light.
13. Mainly sunny until mid-evening, becoming mainly cloudy for a short period then partly cloudy. A thunderstorm just after midnight. A thundershower mid-evening. Temperatures near normal. Winds light.
14. Mainly cloudy. Scattered showers before noon. A thundershower early evening. Temperatures below normal. Winds light with occasional moderate winds to 30 km/h late afternoon.
15. Mainly sunny. Temperatures below normal. Winds light.
16. Mainly sunny becoming overcast with thundershowers mid-afternoon then partly cloudy in the evening. Temperatures near normal. Winds light.
17. Foggy with visibility down to one quarter of a mile early morning. Mainly cloudy remainder of the day. Temperatures near normal. Winds light.
18. Mainly cloudy. Showers early morning. Temperatures normal. Winds light.
19. Mainly sunny, becoming mainly cloudy mid-afternoon. Thundershowers late evening. Temperatures near normal. Winds light.
20. Mainly cloudy. Temperatures below normal. Winds light.
21. Mainly sunny. Temperatures below normal. Winds light.
22. Mainly cloudy. Thundershowers late evening. Temperatures just below normal. Winds light, becoming moderate near noon. Peak wind 50 km/h late evening.
23. Mainly cloudy. Thundershowers mid-morning. Temperatures near normal. Winds moderate becoming light near noon. Peak wind 67 km/h early morning.
24. Mainly cloudy. Temperatures below normal. Winds light.
25. Clear after midnight becoming mainly cloudy early morning then clear late evening. Temperatures below normal. Winds light.
26. Mainly sunny. Temperatures near normal. Winds light.
27. Cloudy with thundershowers in the morning becoming sunny by noon. Temperatures slightly above normal. Winds moderate in the afternoon, otherwise light.
28. Cloudy with showers during the day. Temperatures much below normal. Winds moderate during the day, otherwise light.
29. Sunny becoming cloudy in the afternoon. Temperatures below normal. Winds light.
30. Cloudy, clearing late evening. Temperatures normal. Winds light.
31. Sunny becoming cloudy in the afternoon with a sprinkle of rain. Clearing by late evening. Temperatures slightly above normal. Winds light.