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# MONTHLY METEOROLOGICAL SUMMARY SOMMAIRE MÉTÉOROLOGIQUE MENSUEL

MONTH/MOIS APRIL / AVRIL

19 81

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

LAT: 49° 54' N			LONG: 97° 14' W			ELEVATION: METRES (ASL) ALTITUDE: 239.6 MÈTRES (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  HOURS 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 ET DIRECTION VITESSE MAXIMALE		
	°C	°C	°C	BASE 18.0°C	BASE 5.0°C	%	%		mm	cm	mm	cm	km/h	km/h				
1	5.9	-1.8	2.1	15.9	0.0	94	64		Tr.	Tr.	Tr.		24.1	NNW	NW 43	6.0		
2	12.2	1.3	6.8	11.2	1.8	90	62		Tr.		Tr.		20.7	S	S 31	4.9		
3	6.1	-1.8	2.2	15.8	0.0	95	52		Tr.		Tr.		23.0	NE	NNE33	1.6		
4	4.5	-5.5	-0.5	18.5	0.0	88	43						17.0	NNE	NE 28	8.5		
5	9.9	-6.2	1.9	16.1	0.0	88	35						11.8	S	S 26	11.7		
6	12.1	1.8	7.0	11.0	2.0	64	40		Tr.		Tr.		33.0	S	S 48	3.1		
7	10.5	1.9	6.2	11.8	1.2	69	21						27.5	W	W 54	9.1		
8	11.4	-1.6	4.9	13.1	0.0	59	26		Tr.		Tr.		15.8	WSW	W 37	10.9		
9	16.3	-2.9	6.7	11.3	1.7	80	17						10.5	Calm	SW 28*	11.2		
10	11.6	-7.2	2.2	15.8	0.0	82	40						29.8	NW	NW 52	6.8		
11	5.0	-7.7	-1.4	19.4	0.0	81	39						11.1	N,NE	NNW22*	7.7		
12	11.8	-3.7	4.1	13.9	0.0	83	56		0.3		0.3		18.8	S	S 28*	2.5		
13	6.4	-11.1	-2.4	20.4	0.0	81	53						28.6	NNW	NNW41	10.7		
14	4.3	-12.8	-4.3	22.3	0.0	86	36						9.7	NW	SSE20	13.1		
15	23.0	-0.6	11.2	6.8	6.2	74	15						19.9	S	SSW41	12.3		
16	27.3	5.6	16.5	1.5	11.5	54	18						23.3	S	NW 37	11.7		
17	16.7	-5.1	5.8	12.2	0.8	85	46						31.7	NW	WNW48*	3.4		
18	15.2	-5.8	4.7	13.3	0.0	96	24		Tr.	1.6	0.4		22.0	SSW	NNE52	5.2		
19	4.7	-6.4	-0.9	18.9	0.0	97	27					1	16.7	NNE,NE	NNE33	12.1		
20	12.9	-9.3	1.8	16.2	0.0	86	19		Tr.		Tr.		20.8	SSE	S 37	12.1		
21	9.3	5.7	7.5	10.5	2.5	95	38	1	9.2		9.2		35.4	S	S 48*	0.0		
22	5.7	1.5	3.6	14.4	0.0	100	71		Tr.		Tr.		23.5	NNW	NNW31	0.0		
23	7.4	-4.0	1.7	16.3	0.0	91	56						22.9	N	N 35*	4.2		
24	11.4	-5.4	3.0	15.0	0.0	94	37						12.5	E	SE 37	8.9		
25	9.0	2.3	5.7	12.3	0.7	84	49		1.0		1.0		20.8	SE	SE 30	0.0		
26	19.7	-2.8	8.5	9.5	3.5	94	24						7.0	Calm	ENE17	11.8		
27	15.3	4.4	9.9	8.1	4.9	78	34						15.3	NE	ENE24*	1.3		
28	18.8	-1.7	8.6	9.4	3.6	92	23						8.0	Calm	SSW19*	9.9		
29	18.8	0.8	9.8	8.2	4.8	94	28		Tr.		Tr.		13.6	NNE,NE	NNE30*	12.6		
30	10.8	-0.3	5.3	12.7	0.3	94	63		1.8		1.8		17.3	NW	NNE33	2.7		
31																		
MEAN MOYENNE	11.8	-2.6	4.6	TOTAL 401.8	TOTAL 45.5	85	39	TOTAL 1	TOTAL 12.3	TOTAL 1.6	TOTAL 12.7	0	19.7	PREVAILING DOMINANTE South	MAXIMUM W 54	TOTAL 216.0		
NORMAL NORMALE	8.6	-1.9	3.3	441.1	49.8	85	42	0.7	25.4	11.9	37.3	0	21.7	South	60	208.5		
DEGREE-DAY SUMMARY - SOMMAIRE DE DEGRÉS-JOURS									DAYS WITH TOTAL PRECIPITATION: JOURS AVEC PRÉCIPITATIONS TOTALES: mm					DAYS WITH SNOWFALL: JOURS AVEC CHÛTE DE NEIGE: TOTALES: 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	401.8	311.4	441.1	TOTAL FOR MONTH TOTAL DU MOIS	45.5	132.0	49.8	5	3	1	0	0	1	1	0	0	0	
ACCUMULATED SINCE JULY 1 DEPUIS LE 1 <sup>ER</sup> JUILLET	5112.0	5517.0	5575.6	ACCUMULATED SINCE APRIL 1 DEPUIS LE 1 <sup>ER</sup> AVRIL	45.5	132.0	49.8											

UOC 551.506.1 ( ) \*Indicates more than one occurrence of the speed but not necessarily the same direction.

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CLIMATOLOGICAL SUMMARY FOR APRIL 1981AT WINNIPEG, MANITOBA

April was a dry month. Only 12.7 mm of precipitation was recorded, less than half the normal 37.3 mm. The mean temperature of 4.6 was 1.3 degrees above normal. The warmest day was the 16th with 27.3 degrees while the coldest night was the 14th with -12.8 degrees. Sunshine was slightly above normal while the average wind was below normal. The Assiniboine River was free of ice on the 2nd which makes it the earliest break-up on record. The previous record was April 6th, 1957 and 1973.

DAILY WEATHER SUMMARY FOR APRIL 1981AT WINNIPEG, MANITOBA

All Times Central Standard  
Not Daylight

1. Above normal temperatures. Cloudy clearing late afternoon. Moderate winds gusting to 63 Km/h. Ice pellets to 00:13 a.m. Snow 2:32a.m. to 3:25a.m. Rain shower 10:39 p.m. to 10:51 p.m.
2. Mild. Cloudy clearing late afternoon. Rain 3:16 a.m. to 7:10 a.m. Moderate winds gusting to 46 Km/h in early morning.
3. Above normal temperatures. Mostly cloudy. Drizzle 5:04 a.m. to 5:23 a.m. Freezing drizzle 5:23 a.m. to 7:00 a.m. Moderate NE winds gusting to 44 Km/h in evening. Red River crested lowest in over 60 years.
4. Near normal temperatures. Partly cloudy. Mostly light winds but N gust to 50 Km/h in afternoon.
5. Above normal temperatures. Sunny. Mostly light winds but S gust to 37 Km/h in late evening.
6. Mild. Partly cloudy. Showers 2:23 p.m. to 3:06 p.m. Blowing dust 6:00 p.m. to 11:15 p.m. Visibility restricted in dust. Moderate winds gusting to 78 Km/h in evening. Driving difficult.
7. Mild. Mostly sunny. Moderate winds gusting to 78 Km/h in afternoon. Visibility restricted in dust. Driving difficult. About 3 cm top soil reported lost from S Manitoba farms.
8. Mild. Mostly sunny. Showers 10:49 p.m. to 11:15 p.m. Mostly light winds but WNW gust to 50 Km/h in late morning.
9. Mild. Mostly sunny. Mostly light winds but SW gust to 44 Km/h in late afternoon.
10. Normal temperatures. Partly cloudy. Moderate winds gusting to 69 Km/h late afternoon. Huge chunks of ice propelled by strong w winds crushed cottages at Twin Lake Beach on Lake Manitoba.
11. Below normal temperatures. This ends 57 days with mean temperatures at or above normal. Cloudy clearing early afternoon. Light winds.
12. Above normal temperatures. Cloudy clearing late afternoon. Rain 12:26 p.m. to 1:40 p.m. Mostly light winds but S gust to 39 Km/h in afternoon.
13. Below normal temperatures. Mostly sunny. Moderate winds gusting to 54 Km/h in afternoon.
14. Below normal temperatures. Mostly sunny. Mostly light winds but WNW gust to 41 Km/h in afternoon.
15. Mild. Mostly sunny. Mostly light winds but SSW gust to 52 Km/h in morning. Blowing dust 9:15 a.m. to 10:35 a.m. Visibility restricted.
16. Record breaking high temperature. Mostly sunny. Moderate winds gusting to 69 Km/h late evening. Blowing dust 10:45 p.m. continued. Visibility restricted. Lawyer and pilot crash landed at Big Stone River 130 km E of Thompson due to ice conditions. Dressed in summer clothes they took refuge in trappers cabin which they almost demolished for wood. S.O.S. sign trampled in 3 ft. snow was spotted on 17th and they were rescued.
17. Above normal temperatures. Mostly cloudy. Blowing dust to 5:12 a.m. Visibility restricted. Snow 9:40 a.m. to 10:41 a.m. Moderate winds gusting to 91 Km/h in early morning.
18. Above normal temperatures. Sunny becoming cloudy early afternoon. Rain showers 2:41 p.m. to 2:47 p.m. Snow 4:20 p.m. to 9:10 p.m. Moderate winds gusting to 74 Km/h in late afternoon. Brush fires keep firefighters busy.
19. Below normal temperatures. Cloudy becoming sunny mid morning. Mostly light winds but NE gust to 50 Km/h in afternoon.
20. Below normal temperatures. Mostly sunny. Showers 7:57 p.m. continued. Moderate S winds gusting to 70 Km/h in evening. Blowing dust.
21. Above normal temperatures. Cloudy. Thunder 8:58 p.m. to 9:01 p.m. Showers to 00:34 a.m. 6:13 a.m. to 6:50 a.m. 10:03 a.m. to 2:33 p.m. 6:54 p.m. to 7:35 p.m. 9:30 p.m. to 11:25 p.m. Blowing dust in morning. Visibility restricted. Moderate S winds gusting to 78 Km/h in morning.
22. Below normal temperatures. Cloudy. Drizzle 00:25 a.m. to 7:20 a.m. 9:47 a.m. to 9:56 a.m. Moderate NNW winds gusting to 44 Km/h in morning. Light fog in morning. Visibility restricted.
23. Below normal temperatures. Cloudy clearing in afternoon. Moderate N winds gusting to 48 Km/h in morning.
24. Below normal temperatures. Cloudy becoming sunny mid morning. Mostly light winds but ESE gust to 46 Km/h in evening.
25. Near normal temperatures. Cloudy. Showers 2:26 a.m. to 6:33 a.m. 9:40 a.m. to 10:05 a.m. 6:19 p.m. to 7:04 p.m. Moderate winds gusting to 41 Km/h in morning.
26. Above normal temperatures. Mostly sunny. Mostly light winds.
27. Above normal temperatures. Mostly cloudy. Mostly light winds but NE gust to 35 Km/h in morning.
28. Above normal temperatures. Sunny becoming cloudy late afternoon. Mostly light winds but SSW gust to 33 Km/h in afternoon. Smoke over city in morning. Helicopter mosquito spraying crashed near city.
29. Above normal temperatures. Mostly light winds but NE gust to 41 Km/h in afternoon. Smoke over city in morning. Showers 11:57 continued
30. Below normal temperatures. Mostly cloudy. Showers to 2:37 a.m. 4:19 a.m. to 9:40 a.m. 10:29 a.m. to 4:10 p.m. Mostly light winds but NE gust to 44 Km/h in morning. Light fog late morning. Visibility restricted.

HOURLY WETBULB TEMPERATURES AT WINNIPEG INTERNATIONAL AIRPORT FOR THE MONTH OF APRIL 1981 PAGE 5 YUG  
 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.	-3	-8	-1.2	-1.5	-1.3	-1.3	-2.1	-2.2	-2.3	-2.2	-1.8	-3	-3	1.5	1.0	2.3	2.8	3.4	3.0	2.3	1.7	2.0	3.0	3.7
2.	3.6	3.9	4.5	4.4	4.5	4.3	3.9	3.8	4.0	4.5	6.5	8.3	7.3	7.1	6.7	6.7	6.3	5.8	5.0	3.9	3.4	2.5	2.0	1.0
3.	7.7	-4	-5	-6	-4	-3	-4	-6	-1.3	-1.2	-1.0	-3	0.0	1.3	1.5	1.6	1.9	1.7	1.4	0.0	-1.0	-1.6	-3.0	-3.0
4.	-3.2	-4.1	-4.1	-4.6	-5.1	-5.5	-5.3	-5.0	-5.2	-5.0	-4.0	-3.0	-1.4	-1.0	-1.0	0.0	0.7	1.7	0.0	-2.1	-2.3	-3.4	-3.9	-4.0
5.	-4.3	-4.6	-5.1	-5.4	-5.7	-5.7	-5.8	-4.3	-3.0	-1.1	-2.2	1.0	1.8	1.9	2.6	3.7	3.7	3.6	3.5	2.8	2.2	1.5	1.2	1.7
6.	7	3	2	-1	-2	1	3	3	3	2	2	4	5	6	6	6	6	6	6	5	4	4	3	3
7.	2.7	2.4	2.0	1.3	1.5	1.2	1.4	1.4	1.4	1.6	2.3	2.8	2.9	3.3	3.3	3.2	3.0	3.1	2.9	1.9	1.6	0.0	-1.3	3.0
8.	-1.8	-3.0	-3.5	-3.5	-3.8	-3.5	-3.5	-2.3	-1.3	1.2	2.6	2.5	3.7	3.1	3.4	3.7	4.6	3.8	3.3	2.2	0.0	-1.6	-3.2	3.2
9.	1.8	-2	-4	-1.2	-2.0	-2.3	-3.5	-2.5	0.0	2.4	3.7	5.0	6.0	5.4	6.3	6.5	6.0	6.0	6.2	5.0	4.5	3.6	3.4	3.1
10	3.0	2.8	2.3	0.0	1.3	1.3	1.7	1.2	3.0	4.3	4.3	5.8	5.8	3.3	1.7	-1.1	-3.0	-3.5	-4.3	-4.3	-5.4	-6.3	-7.1	-7.5
11	-7.7	-6.7	-6.7	-6.6	-6.8	-8.0	-7.3	-7.0	-6.5	-5.9	-4.9	-3.8	-3.4	-2.8	-1.3	-1.6	-1.5	0.0	1.3	-1.7	-2.3	-3.3	-4.7	-4.5
12	-4.8	-3.7	-1.8	-2.5	-2.5	-1.8	-2.2	-3	-1.0	1.9	2.0	2.9	3.0	3.0	4.0	5.4	5.8	7.2	7.7	7.5	7.1	5.9	5.9	4.1
13	3.9	3.9	1.1	-3	-8	-1.1	-1.9	-3.2	-4.1	-4.7	-4.3	-3.8	-3.8	-3.3	-3.6	-2.8	-2.5	-3.0	-3.8	-5.7	-7.0	-8.3	-9.1	-13.6
14	-9.9	-11.7	-11.2	-11.7	-12.1	-12.6	-12.8	-9.8	-3.0	-8.0	-7.0	-5.7	-4.1	-2.8	-1.5	-1.9	-1.8	1.2	-2.2	-3.3	-2.2	-2.3	-2.3	3.6
15	-2.6	-1.1	1.2	1.4	-1.3	-1.6	-1.6	-2.1	1.3	4.5	6.8	8.0	9.1	9.6	10.0	10.7	10.0	9.7	9.5	8.3	7.0	5.7	4.4	5.0
16	4.8	4.7	3.8	3.3	2.8	2.7	2.3	3.0	4.5	6.5	8.3	10.0	10.6	11.9	12.3	12.8	12.5	11.6	10.6	9.4	9.2	8.2	7.6	9.3
17	9.0	7.6	7.0	5.3	4.6	3.4	1.7	0.0	-1.1	-2.1	-1.6	-3.1	-2.5	-1.4	0.0	1.1	-1.0	-1.3	-1.5	-1.0	-2.7	-4.0	-4.7	9.3
18	-5.5	-5.3	-4.4	-5.2	-4.5	-5.1	-4.0	-2.9	-2	2.2	3.9	5.8	5.8	5.9	6.4	7.1	1.7	0.0	0.0	-1.1	-1.2	-1.4	-1.0	-1.0
19	-2.3	-2.0	-4.7	-3.1	-3.0	-2.8	-3.4	-3.9	-4.0	-3.3	-1.8	-2.3	1.5	-1.2	-1.4	-1.2	-1.7	-1.4	-1.6	-2.5	-3.8	-4.8	-5.0	-5.5
20	-7.4	-9.0	-9.1	-9.5	-9.3	-8.3	-7.5	-4.2	-2.7	-1.4	-1.5	1.4	1.2	2.3	2.5	3.5	4.0	3.9	4.9	5.5	5.1	3.9	3.2	2.9
21	3.0	2.9	2.5	2.5	2.8	3.0	3.4	3.6	4.0	5.2	5.5	5.9	6.1	6.6	6.9	7.4	7.4	7.0	6.8	6.1	5.9	5.8	5.6	5.4
22	5.4	5.1	5.0	3.6	2.8	2.5	2.4	2.3	2.1	2.0	2.1	2.2	2.5	2.4	2.7	2.9	2.6	2.8	2.7	1.9	1.9	1.8	1.7	1.4
23	1.3	-1.1	0.0	0.0	-2	-3	-1	0.0	1.4	1.6	1.4	1.5	2.0	2.4	3.0	3.5	3.7	3.3	2.8	1.1	-1.3	-1.0	-1.3	-2.3
24	-3.5	-3.4	-4.7	-4.8	-4.6	-3.5	-3.0	-1.1	-1.8	-1.8	1.3	1.2	2.2	3.0	4.0	5.3	5.0	5.0	5.2	4.3	3.5	3.0	1.3	1.3
25	1.0	1.3	1.0	1.1	1.1	1.1	1.3	1.5	1.9	2.3	2.7	2.8	3.0	3.3	4.2	4.6	4.4	4.4	4.4	4.1	3.9	3.7	3.1	3.0
26	2.6	1.4	1.3	1.6	-3.5	-2.5	-2.5	0.0	3.5	5.4	6.8	8.2	8.4	9.6	9.7	9.0	9.8	9.7	9.5	9.3	8.1	7.3	7.3	6.3
27	6.0	4.3	4.2	3.5	3.5	3.5	3.5	4.0	3.9	3.9	4.2	6.0	6.0	7.9	7.7	7.9	7.5	7.2	6.6	6.6	6.0	5.0	4.1	3.1
28	3.1	1.8	1.9	1.4	-1.1	-1.1	-1.5	3.0	4.5	6.0	6.5	7.4	7.1	8.1	8.1	8.2	8.7	8.5	8.9	9.0	8.6	8.0	7.5	7.1
29	6.3	6.0	5.5	4.2	3.9	3.9	3.9	4.3	5.0	6.9	9.0	8.9	8.3	8.9	9.2	9.2	8.8	8.2	7.7	6.7	5.2	4.3	4.6	4.3
30	7.5	7.7	7.1	6.4	5.8	5.7	5.7	5.7	6.0	5.1	4.6	3.8	4.6	5.0	6.0	5.0	7.0	8.1	6.8	6.3	4.6	3.9	1.7	-1.0

MEAN 1.4 0.0 -1.2 -1.3 -1.1 -1.3 -1.5 -1.2 1.1 2.0 2.7 3.2 3.6 4.0 4.1 4.1 4.2 4.1 3.9 3.1 3.1 3.1 1.4 1.4 1.0 1.0

