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# MONTHLY METEOROLOGICAL SUMMARY SOMMAIRE MÉTÉOROLOGIQUE MENSUEL

MONTH/MOIS MAY / MAI

19 80

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

LAT: 49° 54' N		LONG: 97° 14' W		ELEVATION: 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		km/h		km/h						
1	29.2	8.4	18.8	0.0	13.8	62	13					5.7	S	ESE 15	13.0						
2	30.6	7.1	18.9	0.0	13.9	62	13					5.1	calm	ENE 22	12.6						
3	31.9	11.2	21.6	0.0	16.6	48	11					7.0	S	WSW 19	12.8						
4	27.5	8.4	18.0	0.0	13.0	59	21	Tr.		Tr.		20.2	NW	N 43	8.9						
5	20.5	2.8	11.7	6.3	6.7	70	13					35.0	NW	N 65*	14.0						
6	7.8	-2.3	2.8	15.2	0.0	84	42	Tr.	0.8	0.8		28.3	N	N 46	6.6						
7	8.7	-2.6	3.1	14.9	0.0	73	40					27.8	N	NNE 43	4.8						
8	14.6	-4.7	5.0	13.0	0.0	77	26					8.2	NNW	NNW 22	14.1						
9	18.2	3.0	10.6	7.4	5.6	70	22					8.4	NE*	NE 41	6.3						
10	11.4	-1.9	4.8	13.2	0.0	91	35			0.4		30.4	N	N 50	6.6						
11	11.0	0.1	5.6	12.4	0.6	89	52			1.0		22.8	NW	NW 46	4.5						
12	10.5	-4.0	3.3	14.7	0.0	96	44					14.3	NNE	NE 24	4.3						
13	10.7	1.4	6.1	11.9	1.1	79	38	Tr.		Tr.		15.0	NNE	N 28	0.2						
14	14.7	3.2	9.0	9.0	4.0	74	33					2.7	calm	SW 13	7.1						
15	22.3	1.4	11.9	6.1	6.9	67	16					5.2	S	SSE 13	14.6						
16	24.8	6.3	15.6	2.4	10.6	46	16					13.4	S	SSE 28	14.7						
17	26.7	7.2	17.0	1.0	12.0	46	16					7.5	SSW	S 19	14.1						
18	23.0	7.2	15.1	2.9	10.1	61	18					13.8	NE	NNE22*	13.6						
19	31.5	8.3	19.9	0.0	14.9	64	13					17.0	SW	SWS30*	11.7						
20	32.4	15.0	23.7	0.0	18.7	31	13					23.4	SSW	W 41*	7.7						
21	36.5	15.3	25.9	0.0	20.9	40	14					16.8	SW	WSW30*	11.8						
22	37.0	18.8	27.9	0.0	22.9	36	11					28.5	S	S 39*	13.9						
23	33.6	19.0	26.3	0.0	21.3	40	16					30.1	S	S 44	15.0						
24	32.7	16.9	24.8	0.0	19.8	51	19					17.6	S	SSE30*	14.3						
25	33.0	18.0	25.5	0.0	20.5	65	26					26.9	SE	SE 43	13.8						
26	30.4	16.4	23.4	0.0	18.4	85	37	1	2.0	2.0		26.5	SSE	S 56	8.7						
27	32.8	14.8	23.8	0.0	18.8	83	11					12.1	E,	E 22	14.9						
28	26.2	16.0	21.1	0.0	16.1	86	26	1	3.0	3.0		19.6	E	E 30	6.2						
29	26.5	10.5	18.5	0.0	13.5	89	26					20.3	NNW	NNW33*	14.7						
30	21.2	6.2	13.7	4.3	8.7	92	37					14.6	N,NE	NE 31	10.8						
31	20.0	4.2	12.1	5.9	7.1	85	46			0.6		10.5	S	SSE 22*	3.5						
MEAN MOYENNE	23.8	7.5	15.7	140.6	336.5	68	25	TOTAL 2	TOTAL 7.0	TOTAL 0.8	TOTAL 7.8		17.2	S* DOMINANTE	N 65	TOTAL 19.8					
NORMAL NORMALE	17.1	4.1	10.6	236.3	186.5	82	36	2.0	54.6	2.5	57.2		21.1	NNE	59	246.4					
DEGREE-DAY SUMMARY - SOMMAIRE DE DEGRÉS-JOURS												DAYS WITH TOTAL PRECIPITATION: JOURS AVEC PRÉCIPITATIONS					DAYS WITH SNOWFALL: JOURS AVEC CHÔTE 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: mm					By Kms. cm North								
								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	140.6	330.3	236.3	TOTAL FOR MONTH TOTAL DU MOIS	336.5	107.1	186.5	6	3	2	0	0	1	0	0	0	0				
ACCUMULATED SINCE JULY 1 ACCUMULÉE DEPUIS LE 1 <sup>er</sup> JUILLET	5657.6	6620.1	5811.9	ACCUMULATED SINCE APRIL 1 ACCUMULÉE DEPUIS LE 1 <sup>er</sup> AVRIL	468.5	115.5	236.3	6	3	2	0	0	1	0	0	0	0				

UDC 551.506.1 ( ) \*Indicates more than one occurrence of same speed, but not necessarily the same direction. Subscription Price: \$1.00 monthly; \$10.00 per calendar year (January to December)  
Prix d'abonnement: mensuel \$1.00; annuel \$10.00 (janvier à décembre)

NOTE: Average Speed - Wind: 9th - also S, E, 27th, SSW, WSW, 30th, NNE

On the 28th tornadoes and funnel clouds were reported near Winnipeg.

May was very dry and warm. A brief shower on the 6th brought to an end the spring dry spell which had lasted 40 consecutive days making it the second longest dry spell on record. The total precipitation of 7.8 MM at the Airport was far below the normal 57.2 MM. Southern and eastern sections of the city recorded amounts somewhat greater. Eight new maximums were set during the month with the warmest day being 37.0 on the 22nd. The mean of 15.7 was well above the normal of 10.6. Sunshine was well above normal with a total of 319.8 hours. Mean winds were below normal averaging 17.2 Km/h. The peak gust for the month was 98 Km/h, recorded on the 5th. Visibilities were lowered to as low as 4 Km in dust (Volcanic ash) on the 19th.

## DAILY WEATHER SUMMARY FOR MAY 1980

## AT WINNIPEG, MANITOBA

1. Record breaking high temperatures for today. Sunny. Light winds.
2. Record breaking high temperatures for today. Sunny. Mostly light winds. Smoke in the morning. Visibility restricted.
3. Record breaking high temperatures for today. Sunny. Light winds. Leishman plane found 45 Km northwest of Thunder Bay.
4. Warm. Partly cloudy. Showers 12:55 p.m. to 4:47 p.m. Moderate winds gusting to 61 Km/h. Forest fires caused travel restrictions, 169 fires this month compared to 2 of last year.
5. Above normal temperatures. Sunny. Moderate NNW winds gusting to 98 Km/h.
6. Cold. Partly cloudy. Snow pellets 10:34 a.m. to 11:36 a.m. Snow flurries 1:11 p.m. to 1:40 p.m., snow pellets 1:40 p.m. to 4:22 p.m. rain showers 1:50 p.m. to 2:09 p.m. There were 40 days without measurable precipitation. Visibility restricted early afternoon. Moderate north winds gusting to 63 Km/h.
7. Cold. Cloudy clearing in late afternoon. Moderate NNE winds gusting to 69 Km/h.
8. Cold. Mostly sunny. Mostly light winds.
9. Above normal temperatures. Partly cloudy. Mostly light winds but NE gust to 59 Km in the evening.
10. Below normal temperatures. Cloudy clearing in late afternoon. Showers 10:19 a.m. to 3:05 p.m. Moderate north winds gusting to 65 Km/h in the afternoon.
11. Below normal temperatures. Mostly cloudy clearing in the evening. Showers 7:37 a.m. to 6:58 p.m. Moderate WNW winds gusting to 70 Km/h.
12. Cold. Mostly cloudy. Heavy fog 6:16 a.m. to 6:43 a.m. Visibility severely reduced. Mostly light winds but NNE gusts to 43 Km/h in the afternoon.
13. Below normal temperatures. Cloudy. Showers 6:51 a.m. to 7:11 a.m. Mostly light winds but occasional north gusts to 41 Km/h.
14. Slightly below normal temperatures. Partly cloudy. Light winds.
15. Slightly above normal temperatures. Sunny. Light winds.
16. Above normal temperatures. Sunny. Mostly light winds but SSE gusts to 65 Km/h in the afternoon.
17. Warm. Sunny. Light winds.
18. Above normal temperatures. Sunny. Mostly light winds. Fires in the deer park area of Assiniboine Park and south of Tuxedo golf course caused smoke aloft.
19. Warm. Mostly sunny. Mostly light winds but SW gusts to 48 Km/h in the afternoon. Fires continued 200-300 acres of woodland destroyed - smoke aloft.
20. Record breaking high max. and high min. temperatures. Very warm. Dust aloft from Mt. St. Helens, Washington - May 18's Volcanic eruption obscured the sky; with 1523 micrograms per cu. meter late Tuesday night. Visibility reduced due to dust 11:30 a.m. continued. Some people wearing masks. Moderate winds gusting to 63 Km/h.
21. Water rationing in parts of southern Manitoba. Forest fires in NW Ontario and northern Manitoba. Record breaking high maximum and high minimum temperatures. Sunny except for dust aloft from volcanic ash. Pollution reduced to about 290 micrograms per cu. meter late Wednesday. Dust to 11:15 p.m. Visibility reduced. Mostly light winds but WSW gusts to 52 Km early in the afternoon.
22. Another record breaking high maximum and high minimum temperature. Sunny. Moderate south winds gusting to 69 Km/h in the afternoon.
23. Very hot. Record breaking high minimum temperature. Sunny. Moderate south winds gusting to 69 Km/h. Over 3,000 people evacuated to Winnipeg from Red Lake. Fires also in other parts of NW Ontario. Northern Manitoba, near Clear Lake, and Charleswood in Winnipeg had fires.
24. Record breaking high maximum and high minimum temperatures. Sunny. Mostly light winds but SSE gusts to 48 Km/h in the afternoon. Smoke aloft.
25. Record breaking high maximum temperatures. Sunny. Smoke in the morning. Visibility reduced. Mostly light winds but SSE gusts to 67 Km in the afternoon. Fires continued. Strong winds blew the roof off a trailer near Pierson.
26. Warm. Partly cloudy. Thunder 01:57 a.m. to 03:58 a.m., 10:15 p.m. to 11:11 p.m. Showers 2:10 a.m. to 4:42 a.m., 9:50 p.m. to 11:39 p.m. Moderate SSW winds gusting to 96 Km/h. Some power outages. Precipitation variable up to 11.4 MM at Elmwood.
27. Warm. Sunny. Mostly light winds.
28. Warm. Partly cloudy. Thunder 7:56 a.m. to 1:10 p.m., 2:01 p.m. to 5:10 p.m., 8:55 p.m. to 10:32 p.m. Showers 6:38 a.m. to 3:10 p.m., 9:00 p.m. to 10:20 p.m. Precipitation variable up to 41.9 MM at Glenlea Research Station. About 9:30 p.m. tornado was reported 10 miles south of Morden, funnel cloud SW of Steinbach, tornado near Niverville ripped up hydro poles on Highway 59 with 30MM of rain plus winds up to 80 Km/h. Garage moves 10 feet, walls collapse, shingles came off roof, chickens killed.
29. Above normal temperatures. Mostly sunny. Moderate winds with gusts to 48 Km/h.
30. Near normal temperatures. Partly cloudy. Mostly light winds but north gusts to 54 Km/h in the afternoon.
31. Below normal temperatures. Mostly cloudy. Showers 4:16 p.m. to 4:45 p.m. Mostly light winds. Fires mostly under control now.

HOURLY WETBULB TEMPERATURES AT WINNIPEG INTERNATIONAL AIRPORT FOR THE MONTH OF MAY

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.	5.4	5.3	6.1	6.2	5.8	6.0	6.1	8.2	10.2	11.4	12.7	13.1	13.0	12.6	12.7	13.0	13.3	13.1	13.3	12.4	11.0	9.0	9.0	7.9
2.	7.0	6.6	5.2	5.7	5.9	4.4	4.4	7.8	10.1	11.8	12.6	13.4	14.0	14.5	14.3	14.2	13.5	13.4	13.8	12.9	11.4	9.6	8.4	8.7
3.	8.6	7.8	7.8	8.0	7.0	7.4	6.8	8.6	10.3	12.5	14.0	14.0	14.4	14.0	14.5	13.7	14.2	14.2	13.9	13.6	12.2	10.7	9.3	8.5
4.	8.1	8.4	9.1	8.3	7.5	8.3	9.3	9.3	11.1	12.6	14.5	15.2	15.5	15.4	16.1	15.2	15.0	13.4	11.4	9.4	7.4	6.2	5.8	5.5
5.	4.2	3.2	3.2	3.3	3.5	3.1	5.3	6.4	7.5	8.2	7.6	8.0	7.8	7.7	7.5	8.2	7.3	6.3	5.5	4.0	2.8	2.0	1.1	1.5
6.	-1.1	-1.5	-1.3	-2.9	-3.0	-3.3	-1.4	.5	.5	1.2	2.0	2.1	1.9	2.1	1.5	2.7	2.2	1.4	1.2	.3	-1.0	-1.6	-2.1	-1.8
7.	1.3	1.2	1.2	.5	.3	-.2	-.1	-.1	0.0	.7	.6	1.2	1.6	2.1	3.0	3.1	3.1	2.6	3.3	2.9	1.8	1.3	1.7	2.3
8.	-3.5	-3.7	-3.9	-5.0	-5.0	-4.1	-.8	.6	2.7	3.4	3.8	3.8	4.6	5.5	5.6	5.8	6.0	5.8	6.7	5.9	4.7	2.5	2.9	2.1
9.	2.1	1.3	1.0	2.0	2.0	2.2	3.0	4.0	5.3	6.3	6.3	6.0	6.8	7.1	8.5	7.5	8.0	7.8	7.3	7.0	5.8	3.6	3.1	2.6
10	2.3	1.9	1.2	.7	-.1	-1.9	-1.9	1.2	2.0	2.4	2.1	2.4	2.9	4.8	4.3	4.7	4.1	3.9	3.8	2.9	2.4	2.3	1.0	1.5
11	.7	.4	1.0	1.6	1.6	1.4	2.2	2.8	3.5	4.3	5.1	5.0	5.5	5.4	5.6	5.5	5.7	4.8	4.4	4.3	3.1	1.9	1.2	.6
12	1.6	3.0	2.2	4.1	2.1	2.1	1.0	-.5	.9	1.6	2.2	3.4	2.8	3.3	4.1	3.9	4.2	3.7	3.6	3.5	2.6	0.0	1.9	1.4
13	1.4	.7	.8	1.3	1.1	1.3	1.7	2.7	3.3	4.0	3.8	3.7	4.0	4.4	4.9	4.9	4.5	4.4	4.0	3.5	3.3	2.4	2.0	2.0
14	2.0	1.9	1.9	1.6	1.6	1.5	2.0	3.3	3.7	4.3	5.2	4.8	5.4	6.1	6.3	6.2	7.0	6.6	6.9	6.4	5.0	4.8	3.2	1.5
15	.6	.9	.8	-.5	-.4	-.4	.5	2.7	4.6	6.6	8.0	8.1	7.9	8.5	8.8	9.0	9.8	9.8	9.6	9.0	7.2	6.1	6.2	5.4
16	4.9	4.3	3.6	3.1	2.2	2.7	4.5	7.6	9.1	10.4	10.4	10.5	10.6	11.0	10.7	10.9	10.9	11.2	11.0	10.3	8.7	7.7	7.1	6.5
17	7.0	6.0	4.1	4.7	4.0	3.5	3.9	6.0	9.3	10.8	11.5	11.4	12.0	12.1	11.0	11.9	12.3	12.4	12.3	12.0	10.2	9.0	8.7	7.6
18	7.0	7.4	6.6	6.3	6.7	3.9	4.0	6.6	10.0	11.0	12.1	12.1	12.1	11.8	11.5	10.9	10.8	10.5	9.7	9.2	8.1	8.0	8.1	7.0
19	8.3	6.7	6.2	5.3	5.8	6.4	6.8	8.0	9.9	12.1	13.9	14.1	14.7	14.4	14.2	14.4	13.9	14.4	14.0	13.3	12.5	11.8	11.0	10.1
20	8.7	8.3	7.8	7.8	8.5	7.4	7.8	9.5	11.6	13.1	13.8	15.1	15.2	14.8	15.2	14.5	15.0	15.3	14.6	14.6	14.0	13.5	13.6	12.8
21	12.3	11.7	10.2	10.0	9.5	8.7	9.5	10.6	13.0	14.6	16.0	17.0	17.1	17.6	17.5	17.4	17.9	17.4	17.5	17.0	16.1	15.3	14.9	14.0
22	14.2	13.6	13.4	12.2	11.7	11.2	12.8	14.6	16.1	16.6	17.4	17.4	17.5	17.2	17.1	17.3	17.8	17.5	17.2	16.5	15.5	14.7	14.3	13.8
23	13.8	13.2	13.0	12.8	12.4	11.8	12.0	13.1	14.7	16.0	16.5	15.8	16.1	16.0	16.2	16.6	16.5	16.1	16.0	16.0	15.0	14.5	14.4	14.0
24	13.6	12.3	12.5	12.0	11.4	12.2	13.5	14.2	15.7	16.5	17.4	17.4	16.8	16.6	17.4	17.8	17.9	17.8	17.3	16.8	15.6	14.5	15.5	15.2
25	15.0	15.0	14.8	14.5	13.9	14.0	14.8	15.3	16.4	17.5	18.0	18.0	17.8	18.1	18.6	17.9	18.5	17.8	18.0	17.8	17.6	17.2	16.5	16.2
26	16.0	15.0	14.9	15.0	15.1	15.3	15.0	14.5	14.6	14.4	15.2	17.1	18.3	18.8	19.1	18.9	19.5	19.5	19.3	19.2	18.8	18.6	16.8	16.8
27	15.4	15.0	14.5	14.3	14.0	14.2	14.9	15.6	16.5	17.1	17.1	16.0	14.8	14.1	15.1	14.5	14.8	14.8	14.7	14.5	13.6	12.7	12.7	11.8
28	11.9	12.0	11.9	11.8	11.5	11.3	11.7	12.9	13.8	16.4	15.5	16.0	16.5	16.7	19.0	18.0	17.7	16.7	17.7	17.2	17.2	17.0	14.8	14.7
29	15.0	14.0	13.3	12.8	12.3	12.2	13.0	13.4	14.0	14.2	14.0	13.9	14.0	14.4	14.3	14.3	14.2	13.7	13.5	13.0	11.9	10.2	9.5	8.7
30	8.2	7.6	6.8	6.4	6.3	5.8	8.8	10.8	12.0	11.8	12.2	13.5	12.4	12.0	12.5	12.0	11.6	10.7	10.6	10.0	9.4	8.2	6.6	4.8
31	4.6	3.0	4.1	3.3	2.9	3.2	4.4	5.6	7.9	9.8	9.9	10.0	10.1	10.7	11.4	12.4	11.7	13.0	13.0	12.8	12.5	11.7	11.6	10.9
MEAN	6.9	6.2	6.0	5.8	5.6	5.4	5.9	7.3	6.8	10.0	10.6	11.0	11.1	11.3	11.6	11.5	11.6	11.3	11.1	10.6	9.6	8.5	8.0	7.3

