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MONTHLY METEOROLOGICAL SUMMARY SOMMAIRE MÉTÉOROLOGIQUE MENSUEL

MONTH/MOIS

APRIL / AVRIL

19 83

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

LAT: 49° 54' N		LONG: 97° 14' W		ELEVATION: ALTITUDE:		METRES (ASL) MÉTRES (NMM) 239.6		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 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. 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	1.3	-2.4	-0.6	18.6		90	73			TR.	TR.	TR	32.4	N	N 41*	3.9		
2	1.2	-4.3	-1.6	19.6		93	78				0.8	1.2	TR	19.6	N	NNE24*	3.1	
3	5.5	-2.3	1.6	16.4		91	61						TR	23.4	N	N 31	7.0	
4	4.7	-2.4	1.2	16.8		82	57						TR	20.9	N	N 30	10.6	
5	5.7	-4.0	0.9	17.1		88	44						TR	10.2	N	NE 17*	11.3	
6	7.9	-4.2	1.9	16.1		88	43						TR	7.3	N	N 19	11.5	
7	9.3	-3.0	3.2	14.8		84	37							8.0	W	S 13*	11.6	
8	11.5	-2.5	4.5	13.5		86	40							16.8	S	SSE26	10.7	
9	12.9	-0.3	6.3	11.7	1.3	82	30							10.1	S	N 15*	11.5	
10	10.3	-1.4	4.5	13.5		89	51							21.8	N	N 33*	11.2	
11	12.3	-3.1	4.6	13.4		87	43			TR.	TR.	TR	9.6	N, NE	SSW15*	6.4		
12	4.6	-6.6	-1.0	19.0		88	65			TR.	2.4	1.8	TR	29.4	N	N 41	0.0	
13	-0.8	-7.1	-4.0	22.0		80	59				0.8	0.6	2	38.5	N	N 48	7.1	
14	0.3	-8.6	-4.2	22.2		82	48						TR	27.6	N	N 35*	12.4	
15	0.6	-9.9	-4.7	22.7		84	36							16.1	N	NNW28	7.7	
16	2.9	-8.4	-2.8	20.8		82	35							10.1	N	N 22	12.5	
17	7.0	-6.8	0.1	17.9		79	34							13.2	S	S 24	9.3	
18	7.3	-1.4	3.0	15.0		89	60							13.8	SSE, S	SSE22	2.0	
19	13.8	-1.4	6.2	11.8	1.2	86	47							19.6	S	S 28*	8.9	
20	17.7	1.1	9.4	8.6	4.4	87	41							13.8	S	SW 20	9.4	
21	14.7	-1.1	6.8	11.2	1.8	85	35							14.8	NNE	NNE28	13.0	
22	14.0	-2.7	5.7	12.3	0.7	84	30							13.9	NNNE	N 30	13.0	
23	20.8	-1.0	9.9	8.1	4.9	88	28							9.4	W	NW 26	13.0	
24	23.3	4.2	13.8	4.2	8.8	73	14							14.8	W	W 26*	12.9	
25	19.8	6.9	13.4	4.6	8.4	100	36	1	2.5		2.5			22.9	SSE	S 41*	6.0	
26	17.0	4.2	10.6	7.4	5.6	100	43			TR.				19.2	W	W 35	6.5	
27	6.2	-2.0	2.1	15.9		89	49				TR.	TR.		19.5	W	W 31	0.1	
28	4.4	-4.5	-0.1	18.1		96	52				TR.	TR.		10.3	WNW	WNW24	1.8	
29	6.6	-2.7	2.0	16.0		97	51				0.4	0.2	TR	13.3	W	WNW22	2.9	
30	10.0	-5.7	2.2	15.8		93	43							10.0	NNE	NE 20*	12.7	
31																		
MEAN MOYENNE	9.1	-2.8	3.2	TOTAL 445.1	TOTAL 37.1	87	45	TOTAL 1	TOTAL 2.5	TOTAL 4.4	TOTAL 6.3		17.0	PREVAILING N DOMINANTE	MAXIMUM N 48	TOTAL 250.0		
NORMAL NORMALE	8.9	-2.2	3.4	439.4	50.0	85	42	0.7	27.1	11.3	38.5		20.9	S	59	219.8		

DEGREE-DAY SUMMARY - SOMMAIRE DE DEGRÉS-JOURS								DAYS WITH TOTAL PRECIPITATION: JOURS AVEC PRÉCIPITATIONS TOTALES: mm					DAYS WITH SNOWFALL: JOURS AVEC CHÛTE 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	445.1	458.8	439.4	TOTAL FOR MONTH TOTAL DU MOIS	37.1	67.0	50.0	5	3	1	0	0	4	1	1	0	0
ACCUMULATED SINCE JULY 1 ACCUMULÉE DEPUIS LE 1 ^{er} JUILLET	5106.2	5551.6	5633.9	ACCUMULATED SINCE APRIL 1 ACCUMULÉE DEPUIS LE 1 ^{er} AVRIL	37.1	67.0	50.0										

UDC 551.506.1 (

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

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CLIMATOLOGICAL SUMMARY FOR APRIL 1983AT WINNIPEG, MANITOBA

This is the fourth consecutive April to have precipitation much below normal. Only 6.3 mm was recorded, much below the normal 38.5 mm. Measureable precipitation fell on only 5 days. Temperatures were near normal while sunshine was above normal by some 30 hours. The Red River was free of ice on the 7th and the Assiniboine on the 20th.

DAILY WEATHER SUMMARY FOR APRIL 1983AT WINNIPEG, MANITOBA

1. Above normal temp. Moderate winds with N. gust to 54 Km/h in morning. Snow to 8:52 A.M. Drifting snow. Partly cloudy.
2. Above normal temp. Partly cloudy. Snow 10:10 A.M. to 6:15 P.M. Visibility restricted. Mostly light winds.
3. Above normal temp. Mostly sunny. Moderate winds with N. gust to 37 Km/h in afternoon.
4. Above normal temp. Sunny. Moderate winds with N. gust to 43 Km/h in morning. Some parks and fields flooded with melting snow.
5. Above normal temp. Sunny. Light winds.
6. Above normal temp. Sunny. Light winds.
7. Above normal temp. Sunny. Light winds. Red River free of ice.
8. Above normal temp. Sunny. Mostly light winds but S gust to 37 Km/h in afternoon.
9. Mild. Sunny. Light winds. Numerous youths rescued from ice flows.
10. Above normal temp. Sunny. Moderate winds with N. gust to 43 Km/h in afternoon.
11. Above normal temp. Partly cloudy. Snow 10:42 P.M. continued. Rain 11:10 P.M. continued. Ice on Assiniboine River wrecked hydro lines and park at Portage la Prairie. Light winds.
12. Below normal temp. Cloudy. Snow to 3:18 P.M. 7:22 P.M. continued. Rain to 0046 A.M. Freezing rain 4:33 A.M. to 4:48 A.M. Moderate N winds with N gust to 46 Km/h late evening. Drifting snow. Visibility restricted in morning.
13. Cool. Partly cloudy. Snow to 6:15 A.M., 9:18 A.M. to 11:22 A.M. Moderate winds with N gust to 59 Km/h in afternoon. Visibility restricted in morning. Drifting snow.
14. Cool. Mostly sunny. Moderate winds with N gust to 46 Km/h in afternoon.
15. Cool. Partly cloudy. Mostly light winds but NNE gust to 37 Km/h in afternoon.
16. Cool. Mostly sunny. Light winds.
17. Below normal temp. Partly cloudy. Mostly light winds but S gust to 35 Km/h in afternoon.
18. Slightly below normal temp. Mostly cloudy. Light winds.
19. Above normal temp. Partly cloudy. Mostly light winds but S gust to 48 Km/h in morning.
20. Mild. Partly cloudy. Mostly light winds but SW gust to 31 Km/h in afternoon. Assiniboine River free of ice.
21. Still above normal temp. Sunny. Mostly light winds but N gust to 46 Km/h in afternoon.
22. Normal temp. Mostly sunny. Mostly light winds but NNE gust to 41 Km/h in afternoon.
23. Mild. Mostly sunny. Mostly light winds but WNW gust to 41 Km/h in afternoon.
24. Mild. Mostly sunny. Mostly light winds but WSW gust to 41 Km/h in afternoon. Flooding begins near Swan River and Woody River
25. Mild. Partly cloudy. Thunder 9:19 P.M. to 10:25 P.M. Showers 11:54 A.M. to 12:11 P.M. 1:21 P.M. to 2:24 P.M. 8:23 P.M. to 11:22 P.M. Moderate winds with S gust to 61 Km/h in afternoon. Severe flooding near Swan River and Woody River. Farms inundated especially near Lenswood. Worst in 35 years due to rapid melting of snow. \$100,000. damage to roads.
26. Mild. Partly cloudy. Showers 3:50 P.M. to 4:05 P.M. Light fog in morning. Visibility restricted. Mostly light winds but S gust to 56 Km/h in late afternoon. Flooding continues near Swan River area.
27. Cool. Cloudy. Snow flurries 8:52 A.M. to 9:10 A.M. Mostly light winds but W gust to 43 Km/h in morning.
28. Cool. Mostly cloudy. Snow 5:25 A.M. to 1:13 P.M. Snow pellets 05:55 A.M. to 06:15 A.M. 10:11 A.M. to 10:35 A.M. Snow flurries 1:16 P.M. continued. Mostly light winds but W gust to 41 Km/h in afternoon. Flooding abated near Swan River area.
29. Still below normal temp. Mostly cloudy. Flurries to 00:18 A.M. Snow 00:18 to 11:25 A.M. Mostly light winds but W gust to 31 Km/h in late afternoon.
30. Below normal temp. Mostly sunny. Light winds.

HOURLY DEWPOINT TEMPERATURES AT WINNIPEG INTERNATIONAL AIRPORT FOR THE MONTH OF APRIL/AVRIL 1983
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	-3	-2.0	-2.4	-3.5	-3.4	-4.0	-4.2	-4.3	-4.0	-4.0	-3.5	-3.4	-3.5	-3.6	-3.8	-4.3	-4.4	-5.1	-5.1	-5.5	-5.4	-5.4	
2.	-5.8	-5.7	-5.8	-6.0	-5.9	-6.7	-6.9	-6.9	-6.6	-6.1	-5.6	-4.5	-4.0	-3.4	-2.6	-1.3	-1.0	-1.0	-1.7	-1.7	-2.0	-2.4	-2.4	
3.	-2.3	-2.5	-1.8	-2.5	-2.9	-3.6	-3.9	-4.0	-3.9	-3.6	-3.8	-2.6	-2.4	-2.7	-2.4	-1.8	-1.2	-2.3	-2.3	-3.5	-4.8	-4.7	-4.1	
4.	-4.1	-4.5	-4.9	-4.8	-5.1	-5.3	-5.9	-6.1	-6.5	-6.1	-6.4	-5.5	-4.6	-3.9	-3.8	-3.0	-3.1	-3.1	-3.0	-3.7	-4.4	-4.3	-4.3	
5.	-4.3	-4.6	-4.5	-4.7	-5.1	-5.8	-5.8	-5.4	-5.1	-6.1	-6.4	-5.9	-5.7	-6.4	-4.3	-5.4	-4.6	-5.8	-4.9	-3.3	-3.0	-3.1	-3.8	
6.	-4.7	-4.5	-5.4	-5.1	-5.3	-5.9	-5.8	-4.8	-3.4	-2.5	-5.7	-5.1	-5.1	-5.1	-4.3	-4.0	-3.8	-4.2	-3.3	-2.7	-2.5	-2.7	-3.5	
7.	-5.2	-4.9	-5.5	-5.1	-4.7	-4.9	-5.3	-4.3	-2.5	-2.7	-4.1	-5.0	-5.3	-3.2	-4.8	-4.7	-5.5	-5.8	-6.3	-5.7	-5.1	-4.1	-4.0	
8.	-4.6	-4.4	-4.5	-4.6	-5.8	-4.6	-4.5	-3.1	-2.2	-2.6	-2.4	-5	-1.0	-2.5	-3.0	-2.4	-2.3	-2.4	-1.4	-3	-2	-3	-1.2	
9.	-2.0	-2.6	-3.3	-4.7	-4.3	-3.6	-3.2	-2.5	-1.7	-2.0	-2.8	-1.7	-3.5	-2.8	-4.1	-5.1	-4.7	-2.7	-2.2	-2	-3	0.0	-6	
10	-2.4	-1.9	-1.9	-2.9	-4.3	-3.2	-3.4	-3.5	-3.3	-2.8	-2.0	-1.8	-3	1.4	1.8	1.4	4	-2	-1.0	-1.2	-1.9	-2.3	-3.0	
11	-4.0	-4.4	-4.5	-5.1	-4.9	-4.9	-4.8	-3.5	-1.9	-1.9	-1.2	-.1	.5	-.3	-.5	-1.1	-1.1	-1.4	-.6	2.7	2.5	2.6	2.4	
12	-.3	-.2	-.1	-1.1	-3.4	-4.3	-5.9	-6.6	-7.5	-8.1	-8.8	-9.0	-9.1	-8.8	-8.5	-8.1	-7.9	-8.1	-9.2	-8.6	-8.0	-9.2	-9.4	
13	-9.9	-9.5	-9.2	-9.2	-9.2	-9.4	-9.8	-10.4	-10.2	-10.7	-10.5	-9.9	-8.4	-7.8	-6.6	-7.3	-8.1	-8.1	-9.0	-9.4	-10.0	-10.2	-10.1	
14	-10.6	-11.1	-10.4	-10.5	-10.8	-11.6	-12.3	-12.3	-11.7	-11.6	-11.1	-10.5	-9.8	-10.1	-9.6	-9.4	-10.0	-10.0	-10.5	-9.5	-9.5	-10.3	-10.2	
15	-9.9	-10.3	-10.3	-10.9	-11.4	-12.0	-11.4	-11.6	-12.5	-13.4	-13.6	-12.7	-12.2	-12.2	-13.0	-13.0	-13.2	-13.6	-13.2	-12.2	-10.5	-11.0	-10.6	
16	-10.3	-9.7	-9.8	-9.8	-10.5	-10.7	-11.0	-10.7	-11.3	-11.4	-12.6	-11.5	-12.1	-12.1	-12.1	-12.6	-11.8	-11.6	-11.8	-11.6	-11.3	-11.2	-10.6	
17	-9.8	-10.2	-9.8	-9.5	-9.3	-9.1	-8.7	-8.0	-6.7	-8.4	-8.2	-9.0	-9.6	-7.9	-7.8	-8.1	-7.4	-8.0	-7.6	-6.2	-5.1	-5.2	-4.0	
18	-2.5	-1.9	-1.7	-1.9	-1.8	-1.3	-1.1	-1.7	-.6	-.5	-.4	-1.0	-.7	-.3	-.5	-.6	-.7	-1.0	-.8	-1.0	-1.1	-1.4	-1.8	
19	-3.1	-1.1	-1.1	-1.4	-2.7	-3.0	-3.3	-2.8	-2.0	-.3	0.0	-.7	1.4	1.4	1.5	2.0	2.2	1.8	2.0	1.8	2.1	1.8	1.4	
20	1.1	.8	.1	-.2	-.7	-.8	-.8	-.5	1.7	3.1	3.4	4.1	4.4	4.3	3.1	3.6	3.1	2.9	2.8	5.1	4.7	3.9	3.2	
21	-1.1	-1.8	-1.1	-1.4	-2.1	-2.7	-2.8	-.5	1	1.5	3.4	.6	-.8	-1.1	-.7	-.7	-1.1	-1.7	-1.8	-.7	.5	.1	-2.1	
22	-2.6	-2.7	-2.7	-3.0	-4.3	-4.7	-4.0	-2.3	-2.0	-.8	-.3	-2.3	-4.0	-3.5	-3.9	-1.7	-.8	-.5	-.7	-.7	.1	.1	-.6	
23	-.7	-1.9	-1.5	-2.0	-2.4	-1.9	-2.4	.5	1.1	0.0	.3	-.4	-.2	.1	2.0	2.4	1.9	1.6	1.1	1.5	1.7	2.0	1.6	
24	1.6	.8	.9	.6	1.1	.9	.6	1.4	2.3	1.9	2.0	1.9	.6	.8	.8	.3	-4.0	-5.4	-6.4	-9.3	.3	.5	.8	
25	1.5	1.5	1.8	1.1	.3	-.2	-.1	0.0	-.2	.3	.8	3.0	6.2	4.8	9.2	9.6	7.4	8.6	8.7	8.4	7.9	9.2	9.2	
26	9.4	9.1	8.8	8.5	8.4	8.3	9.1	9.2	3.9	3.5	3.1	4.5	4.8	3.9	3.3	2.3	3.5	3.3	3.0	3.1	1.5	1.5	1.5	
27	-1.5	-2.3	-1.9	-2.0	-1.9	-2.0	-2.7	-2.1	-2.5	-3.2	-3.9	-4.3	-4.0	-4.4	-4.1	-4.4	-4.4	-3.0	-2.8	-3.3	-2.6	-2.3	-3.6	
28	-3.0	-3.9	-3.8	-4.3	-4.6	-4.2	-3.3	-2.2	-3.0	-2.6	-2.6	-3.5	-4.8	-2.2	-3.7	-5.8	-4.5	-5.3	-5.5	-3.9	-4.2	-3.3	-2.6	
29	-1.2	-1.5	-2.2	-2.6	-3.3	-3.6	-4.6	-6.1	-6.6	-6.1	-6.3	-5.6	-5.6	-5.1	-4.9	-4.7	-4.3	-4.2	-4.0	-4.0	-4.1	-3.9	-2.9	
30	-2.1	-4.3	-4.8	-4.4	-4.7	-7.0	-5.4	-2.0	-3.9	-5.6	-4.1	-3.8	-3.3	-2.5	-2.8	-3.0	-1.9	-3.3	-3.0	-3.3	-3.5	-3.4	-3.6	
MEAN	-3.0	-3.2	-3.3	-3.6	-4.0	-4.3	-4.3	-3.7	-3.7	-3.6	-3.7	-3.4	-3.4	-3.1	-2.9	-2.9	-3.0	-3.1	-3.1	-2.7	-2.4	-2.5	-2.8	

MEAN DAILY DEWPOINT BASED ON HOURLY READINGS

DATE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
MEAN	-3.6	-3.8	-2.9	-4.5	-4.7	-4.2	-4.6	-2.5	-2.5	-1.5	-1.3	-6.6	-9.2	-10.5	-11.8	-11.1

NOTE: AS OF JANUARY 1 1983, HOURLY DEWPOINT TEMPERATURES HAVE REPLACED HOURLY WETBULB TEMPERATURES IN THIS PUBLICATION.

MEAN DAILY DEWPOINT BASED ON HOURLY READINGS

DATE	17	18	19	20	21	22	23	24	25	26	27	28	29	30
MEAN	-7.7	-1.0	0.0	2.2	-.7	-1.8	.2	-.1	4.6	4.7	-2.9	-3.6	-4.1	-3.7

