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MONTHLY METEOROLOGICAL SUMMARY SOMMAIRE MÉTÉOROLOGIQUE MENSUEL

MONTH/MOIS JUNE / JUIN

19 84

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 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 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	19.6	9.5	14.6	3.4	9.6	94	31					14.5	W, WNW	NW 20	5.3				
2	23.5	9.2	16.4	1.6	11.4	55	20					21.6	W	WNW41*	13.7				
3	25.2	10.0	17.6	0.4	12.6	45	25					16.2	WSW	WNW28	14.3				
4	19.8	4.8	12.3	5.7	7.3	75	36		Tr.	Tr.		16.5	E	E 26	4.0				
5	15.8	12.2	14.0	4.0	9.0	96	70		1.0	1.0		20.2	NE	NE 24*	0.0				
6	17.6	14.5	16.1	1.9	11.1	98	90	1	11.4	11.4		19.2	E	E 30	0.0				
7	25.5	14.0	19.8	0.0	14.8	98	55	1	4.0	4.0		16.2	SSW	SSW24*	12.7				
8	18.2	11.0	14.6	3.4	9.6	96	85	1	31.0	31.0		16.4	WNW	WNW30	0.0				
9	12.5	7.6	10.1	7.9	5.1	98	70		1.8	1.8		17.2	NNE	N 24*	1.8				
10	18.2	3.2	10.7	7.3	5.7	95	39					13.3	N	N 28	14.7				
11	21.9	8.2	15.1	2.9	10.1	94	41		1.0	1.0		15.8	S	SSW24*	9.3				
12	16.0	9.8	12.9	5.1	7.9	98	86		19.1	19.1		14.2	N	N 30	0.0				
13	19.9	7.5	13.7	4.3	8.7	93	35					13.3	NW	NW 22	14.9				
14	20.8	5.4	13.1	4.9	8.1	94	41					5.2	S, Calm	ESE13	4.7				
15	20.4	10.4	15.4	2.6	10.4	92	71		Tr.	Tr.		13.3	S, SSE	S 26	2.8				
16	26.6	15.7	21.2	0.0	16.2	98	72	1	60.1	60.1		15.3	S	WNW33	9.6				
17	26.6	15.5	21.1	0.0	16.1	98	62	1	1.0	1.0		12.4	W, WNW	WNW24	11.1				
18	22.4	13.5	18.0	0.0	13.0	84	43					17.9	W	WNW28*	14.8				
19	23.8	12.7	18.3	0.0	13.3	85	45					12.3	S	S 22	11.7				
20	25.7	11.4	18.6	0.0	13.6	89	50					13.7	SE	SE 24	13.0				
21	26.2	17.2	21.7	0.0	16.7	95	67	1	69.8	69.8		20.3	SE	S 31	3.9				
22	26.2	15.6	20.9	0.0	15.9	100	67	1	3.6	3.6		9.5	S	WNW19	7.2				
23	21.2	12.1	16.7	1.3	11.7	98	47	1	3.6	3.6		21.4	NW	NW 37*	8.5				
24	23.2	10.9	17.1	0.9	12.1	95	45					10.9	NW, NNW	NNW20	15.3				
25	30.1	13.2	21.7	0.0	16.7	89	43	1	0.4	0.4		18.7	S	W 28*	13.5				
26	22.5	14.5	18.5	0.0	13.5	96	61	1	20.1	20.1		16.1	NW	NNW35	6.4				
27	24.2	12.0	18.1	0.0	13.1	98	47					7.0	N	NW 13*	14.1				
28	25.0	14.2	19.6	0.0	14.6	96	40					7.0	NNE	NNE15*	14.1				
29	25.6	13.1	19.4	0.0	14.4	82	43					16.8	S	S 26	15.5				
30	27.3	15.3	21.3	0.0	16.3	80	55		Tr.	Tr.		23.6	S	S 41	10.7				
31																			
MEAN MOYENNE	22.4	11.5	17.0	TOTAL 57.6	TOTAL 358.6	90	53	TOTAL 10	TOTAL 227.9	TOTAL 227.9		15.2	PREVAILING DOMINANTE SOUTH	MAXIMUM W, WNW41	TOTAL 267.6				
NORMAL NORMALE	*23.1	10.5*	16.8*	69.9*	354.3*	89	45	5.3	80.1*	Tr.	80.1*	18.1*	SOUTH	56	276.1*				
DEGREE-DAY SUMMARY - SOMMAIRE DE DEGRÉS-JOURS										DAYS WITH TOTAL PRECIPITATION: JOURS AVEC PRÉCIPITATIONS TOTALES:					DAYS WITH SNOWFALL: JOURS AVEC CHÛTE 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	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	57.6	65.6	69.9*	TOTAL FOR MONTH TOTAL DU MOIS	358.6	362.5	354.3*	14	13	9	6	2							
ACCUMULATED SINCE JULY 1 ACCUMULÉE DEPUIS LE 1 ^{er} JUILLET	5576.4	5472.0	5923.1*	ACCUMULATED SINCE APRIL 1 ACCUMULÉE DEPUIS LE 1 ^{er} AVRIL	619.0	526.1	608.1*												

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

Unofficial hail on the 6th. Hail on the 16th and 21st.

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CLIMATOLOGICAL SUMMARY FOR JUNE 1984**AT WINNIPEG, MANITOBA**

Winnipeg recorded its second wettest June and month in history with 227.9 mm of rain compared to the normal of 80.1 mm. The record for June was set in 1901 with a total of 255.8 mm. Precipitation occurred on 14 days during the month. Heavy downpours on June 16th and 21st produced a total of 129.9 mm. The latter storm set a new 15 minute record rainfall for the month of June of 23.0 mm as well as an all time 30 minute record of 39.8 mm and an all time one hour record of 56.6 mm. The June 16th storm also recorded a record one hour amount of 47.2 mm until the June 22nd storm.

Ten days with thunderstorms was nearly twice the normal but fell two days short of a record. The highest temperature was 30.1°C on the 25th and the lowest temperature was 3.2°C on the 10th. Wind speed averaged 15.2 Km/h compared to the normal of 18.1 Km/h while bright sunshine was 267.6 hours, very close to the normal of 276.1 hours.

DAILY WEATHER SUMMARY FOR JUNE 1984**AT WINNIPEG, MANITOBA**

1. Near normal temperatures. Sunny becoming cloudy mid morning. Light winds.
2. Above normal temperatures. Mostly sunny. Moderate winds with blowing dust, reducing visibility in afternoon. Severe forest fire at Sandiland Forest Reserve near Sprague.
3. Above normal temperatures. Mostly sunny. Mostly light winds.
4. Below normal temperatures. Sunny becoming cloudy mid morning. Light rain or showers afternoon until early evening. Mostly light winds.
5. Slightly below normal temperatures. Cloudy. Showers in morning and early afternoon. Rain in afternoon. Drizzle in afternoon until early evening. Light fog afternoon and evening. Visibility restricted. Mostly light winds.
6. Above normal temperatures. Cloudy. Thunder late afternoon and early evening. Showers or light rain mid morning continued. Light drizzle in evening. Light fog morning until mid evening. Visibility restricted. Mostly light winds. Severe flooding Niverville 75 to 90 mm. Unofficial hail in Winnipeg.
7. Above normal temperatures. Partly cloudy. Mostly light winds. Showers or light rain until mid morning. Thunder in evening. Showers sometimes heavy in early afternoon. Light showers late evening continued.
8. Near normal temperatures. Cloudy. Thunder in morning. Showers or light rain most of day and continued. Light fog mid morning and late afternoon. Visibility restricted. Mostly light winds.
9. Cool. Cloudy. Rain or light drizzle until late morning. Mostly light winds.
10. Cool. Mostly sunny. Light winds.
11. Below normal temperatures. Sunny becoming cloudy mid afternoon. Showers late evening continued. Mostly light winds.
12. Cool. Cloudy. Showers, rain or drizzle until late morning. Drizzle and showers afternoon until mid evening. Light fog in morning and afternoon. Visibility restricted. Mostly light winds.
13. Cool. Sunny. Mostly light winds.
14. Cool. Partly cloudy. Light winds.
15. Below normal temperatures. Mostly cloudy. Showers or light rain in evening. Mostly light winds. Lightning in evening. Severe hail in parts of Southern Manitoba. Crops destroyed.
16. Warm. Partly cloudy. Thunder in afternoon and evening. Showers, sometimes heavy, late afternoon continued. Hail in early evening. Precipitation variable in city, up to 114 mm at White Horse Plains. Elie, Manitoba had up to 240 mm. Mostly light winds but NNW gusts to 83 Km/h in evening.
17. Warm. Mostly sunny. Thunder showers until mid morning. Mostly light winds.
18. Near normal temperatures. Mostly sunny. Light winds.
19. Slightly above normal temperatures. Cloudy. Clearing late morning. Light winds.
20. Above normal temperatures. Mostly sunny. Light winds.
21. Warm. Mostly cloudy. Severe thundershowers late morning, late afternoon and early evening. Mostly light winds but SSE gusts to 74 Km/h in evening. Visibility restricted in showers. Hail in early evening.
22. Warm. Partly cloudy. Heavy fog in morning. Thundershowers early evening. Mostly light winds but WSW gusts to 63 Km/h in evening.
23. Below normal temperatures. Partly cloudy. Light fog in morning. Rain in morning. Thundershowers late afternoon, early evening. Moderate winds.
24. Slightly below normal temperatures. Sunny. Light winds.
25. Warm. Mostly sunny. Thundershowers late evening. Mostly light winds.
26. Near normal temperatures. Cloudy, clearing late afternoon. Thunder in morning. Showers or rain sometimes heavy until late morning. Light fog in morning. Mostly light winds. Visibility restricted.
27. Slightly below normal temperatures. Mostly sunny. Light winds.
28. Slightly above normal temperatures. Mostly sunny. Light winds.
29. Slightly above normal temperatures. Sunny. Mostly light winds.
30. Warm. Sunny becoming cloudy mid afternoon. Showers in evening. Moderate winds.

HOURLY DEWPOINT TEMPERATURES AT WINNIPEG INTERNATIONAL AIRPORT FOR THE MONTH OF JUNE 1984
 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.	13.4	12.6	11.9	9.8	8.1	6.9	7.0	8.5	7.9	4.7	3.4	5.2	3.5	2.3	2.9	5.4	.8	1.5	3.1	4.5	7.8	7.8	5.4	2.4
2.	.3	-3	1.1	1.4	.7	1.0	2.3	3.3	2.2	3.1	2.7	2.9	2.2	1.5	.9	.5	-.9	-.8	-1.3	-.8	.4	-.3	-.3	-1.6
3.	-2.1	-1.8	-1.9	-1.6	-1.2	-.4	-.8	2.8	2.9	4.3	4.3	4.3	3.2	2.9	2.6	3.7	3.6	2.8	3.2	2.3	3.6	2.1	2.4	1.5
4.	1.7	1.1	1.6	1.4	.8	1.5	3.2	3.4	4.4	3.4	4.5	4.2	8.1	9.5	8.8	7.6	7.5	7.7	6.6	6.6	7.4	8.4	9.8	9.4
5.	8.2	8.6	9.7	10.8	11.1	11.3	11.5	11.8	12.2	12.3	12.6	12.6	13.0	13.7	13.8	13.9	13.9	14.2	14.2	14.2	14.2	14.2	14.2	14.2
6.	14.2	14.0	14.0	14.0	13.8	13.8	13.8	13.8	13.8	13.7	14.4	14.5	15.0	15.0	15.5	15.6	15.5	15.6	15.6	15.6	15.6	15.6	15.6	16.0
7.	15.8	15.6	14.0	13.5	13.6	13.1	12.7	13.4	14.4	14.8	15.3	15.8	16.7	17.2	16.7	16.4	15.6	14.4	15.3	15.0	15.3	16.3	15.3	14.2
8.	15.2	15.5	15.2	14.8	15.3	14.6	13.6	14.5	14.6	15.1	15.5	15.0	14.7	15.6	15.3	14.5	14.5	13.4	13.8	13.8	13.0	11.8	10.8	10.7
9.	9.9	9.3	9.7	9.4	9.0	8.5	8.7	8.4	8.5	8.0	7.7	7.7	7.8	8.4	7.7	7.6	8.1	7.6	7.3	6.8	7.1	6.9	7.1	6.3
10.	6.7	4.1	3.6	3.3	2.8	4.2	6.0	6.7	6.6	4.9	5.4	4.2	4.4	3.6	3.6	5.1	4.7	5.5	3.0	2.3	4.2	4.5	3.4	3.6
11.	3.1	2.8	2.0	3.3	3.6	3.5	4.3	5.0	6.6	6.9	9.1	7.3	6.8	6.9	7.6	7.4	9.2	8.5	8.5	9.5	10.2	10.4	10.5	11.3
12.	12.0	12.2	11.7	12.0	12.3	12.4	12.5	12.3	12.1	12.5	13.1	14.1	13.6	14.0	13.6	12.6	12.2	11.2	10.7	11.3	11.7	11.8	10.8	10.3
13.	8.6	8.9	8.3	7.3	6.4	6.1	6.8	8.1	9.1	7.8	7.4	6.7	7.0	7.0	7.1	7.0	6.8	4.7	2.8	4.7	7.2	7.2	6.9	7.0
14.	6.5	6.5	5.7	5.1	4.9	5.2	8.6	8.9	7.4	6.1	5.7	6.6	5.9	8.1	7.1	6.4	7.4	7.5	6.9	4.9	7.9	8.6	7.8	7.8
15.	7.9	7.8	8.1	8.5	8.6	10.8	11.9	12.6	13.4	14.1	14.3	14.7	14.6	15.2	15.6	15.6	15.8	16.0	16.4	16.2	16.0	16.0	15.8	16.0
16.	16.2	16.0	15.6	16.1	16.1	15.0	16.1	17.5	17.9	18.5	19.4	20.5	20.7	20.1	20.3	19.9	19.4	20.0	19.4	19.4	19.4	18.9	15.9	16.1
17.	15.6	15.2	15.6	15.3	14.9	14.9	15.3	15.4	15.6	16.8	16.4	17.0	17.1	16.9	16.7	17.8	17.4	17.3	16.6	15.5	15.6	16.3	16.0	15.3
18.	15.2	13.4	12.9	11.7	10.8	10.6	11.1	12.2	13.4	12.6	12.6	12.5	13.0	12.6	12.0	11.9	10.3	9.1	9.3	9.3	12.9	12.2	11.3	10.1
19.	10.6	10.0	10.1	9.9	10.0	10.2	10.7	12.0	12.1	12.4	12.9	12.7	11.7	12.2	10.9	12.0	12.0	11.6	10.5	10.8	11.8	12.1	12.2	11.6
20.	11.7	11.3	10.7	10.3	10.1	10.7	11.8	12.2	12.2	10.8	11.9	11.7	13.0	13.9	14.8	13.5	14.3	14.5	14.6	14.6	14.4	14.9	14.4	14.4
21.	14.7	15.5	15.6	15.3	15.3	15.2	15.3	16.0	16.5	17.2	17.6	16.6	16.9	18.7	19.3	20.0	19.4	18.3	18.5	17.0	17.9	18.6	18.2	18.3
22.	18.2	18.0	17.7	17.8	18.2	18.4	18.7	18.6	18.9	19.7	19.4	19.7	18.8	19.7	19.4	20.4	20.1	19.5	20.9	17.6	17.0	16.3	15.8	14.2
23.	13.8	13.0	12.6	13.1	11.4	11.3	11.7	13.0	12.6	11.6	12.0	13.6	11.5	10.3	10.9	9.5	9.2	10.7	10.6	11.5	11.8	11.7	12.0	12.2
24.	11.2	10.7	10.3	10.3	10.3	10.3	10.8	9.7	9.1	9.0	10.0	10.5	11.8	13.0	10.8	12.8	12.2	10.2	10.2	10.8	10.3	13.1	11.8	11.6
25.	12.3	10.8	9.9	10.0	9.8	9.8	10.1	11.1	13.0	14.4	16.4	16.9	18.1	16.3	16.3	15.7	17.0	16.4	16.4	17.0	17.5	16.5	16.5	15.2
26.	15.2	14.9	14.7	13.8	14.4	14.6	14.4	14.4	14.2	14.6	14.2	14.2	14.7	15.0	14.2	15.0	14.6	13.6	13.9	14.9	15.1	14.4	14.0	13.4
27.	13.1	13.0	12.2	11.7	11.4	11.5	12.2	13.6	15.1	15.1	14.3	14.1	13.0	12.9	12.2	12.7	12.0	13.1	13.1	12.1	12.1	14.6	13.5	13.6
28.	14.9	13.4	13.9	13.3	13.7	13.8	13.5	13.6	12.6	14.6	12.8	11.7	12.2	11.1	11.2	10.3	11.6	10.3	12.6	12.5	13.5	13.8	13.3	13.0
29.	12.6	12.1	10.8	10.9	10.4	9.7	10.3	11.7	12.0	12.9	14.0	14.6	12.2	10.9	14.3	12.5	12.5	12.2	13.0	13.0	12.8	14.2	13.2	13.2
30.	12.7	12.5	12.2	11.8	11.8	12.3	12.9	13.7	14.3	15.5	15.7	15.9	15.6	17.2	16.7	18.2	18.1	19.2	13.4	15.0	14.0	14.2	13.6	11.7

MEAN	11.0	10.6	10.3	10.1	9.9	10.0	10.6	11.2	11.5	11.8	11.9	11.9	11.9	12.0	12.0	12.0	12.0	11.8	11.5	11.3	11.3	12.0	12.1	11.6	11.1
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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	6.1	.8	1.6	5.4	12.4	14.8	15.0	14.2	8.1	4.4	6.8	12.2	7.0	6.8	13.4	18.1

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	16.1	11.8	11.4	12.8	17.2	18.5	11.7	10.9	14.3	14.4	13.1	12.8	12.3	14.5

