

MONTHLY METEOROLOGICAL SUMMARY SOMMAIRE MÉTÉOROLOGIQUE MENSUEL

MONTH/MOIS: OCTOBER
 AT/A: WINNIPEG INT'L AIRPORT

19 93

LAT 049° 054' N		LONG 097° 017' W		ELEVATION ALTITUDE 240		METRES (ASL) MÉTRES (NMN)		STANDARD TIME USED HEURE NORMALE UTILISÉE		CENTRAL																		
DATE	TEMPERATURE TEMPÉRATURE			DEGREE-DAYS DEGRÉS-JOURS			REL HUMIDITY HUMIDITÉ REL		THUNDERSTORMS ORAGE	PRECIPITATION PRÉCIPITATIONS			SNOW ON GROUND NEIGE AU SOL	WIND VENT			BRIGHT SUNSHINE INSOLATION EFFECTIVE											
	MAXIMUM MAJIMALE	MINIMUM MINIMALE	MEAN MOYENNE	HEATING DE CHAUFFE	CROWING DE CROISSANCE	COOLING DE REFRIGÉRATION	MAXIMUM MAJIMALE	MINIMUM MINIMALE		BASE 18°C	BASE 5°C	BASE 18°C		%	%	BASE 18°C		BASE 5°C	BASE 18°C	BASE 5°C	BASE 18°C	BASE 5°C	BASE 18°C	BASE 5°C	BASE 18°C	BASE 5°C	BASE 18°C	BASE 5°C
1	3.7	-6.2	-1.3	19.3			80	51			0.2	0.2		26.0	NW*	NNW	37	2.3										
2	8.8	-6.5	1.2	16.8			75	52						14.3	WSW	W	22	1.2										
3	15.0	-1.7	8.4	9.6	3.4		94	71		1.0		1.0		17.9	W	NW	33	3.7										
4	9.4	-0.8	4.3	13.7			86	34						17.6	W	NNW	35	9.7										
5	17.7	1.1	9.4	8.6	4.4		69	30						19.8	S	S	35	6.8										
6	17.6	3.0	10.3	7.7	5.3		76	51		TR		TR		24.9	N	N	39	5.5										
7	3.1	-5.0	-1.0	19.0			86	47						21.7	NE	NNE	33	0.9										
8	4.0	-8.7	-2.4	20.4			93	47						14.1	N	NNW	30	4.1										
9	11.0	-6.7	2.2	15.8			86	35						12.2	W	WSW	24	8.5										
10	15.5	-1.7	6.9	11.1	1.9		86	33						11.5	S*	SW	22	8.7										
11	6.7	-5.8	0.5	17.5			93	33						18.6	N	N	32	8.3										
12	3.9	-5.3	-0.7	18.7			86	56						7.8	W	NW	15	3.4										
13	10.4	-1.7	4.4	13.6			93	46						15.5	S	NNE	30	0.3										
14	7.4	-5.5	1.0	17.0			93	42						9.4	WNW	N	17	7.1										
15	10.8	0.0	5.4	12.6	0.4		100	46		TR		TR		13.5	S	S	19	2.2										
16	5.5	-2.1	1.7	16.3			93	45			TR	TR		12.1	NNW	NNW	22	7.6										
17	5.5	0.2	2.9	15.1			100	80			2.4	2.4	TR	8.0	S	SSE	15	0.3										
18	11.7	-0.1	5.8	12.2	0.8		100	62						18.8	S	S	28	3.8										
19	15.6	-0.1	7.8	10.2	2.8		100	51		0.8		0.8		18.4	S	S	32	6.1										
20	7.7	0.8	4.3	13.7			93	56		0.4	TR	0.4		18.7	W	W	28	5.5										
21	4.0	-0.5	1.8	16.2			93	56		TR	TR	TR		19.9	NW	NNW	32	5.0										
22	12.4	-2.3	5.1	12.9	0.1		80	40						11.3	S	S	20	7.2										
23	15.3	2.3	8.8	9.2	3.8		81	41						15.3	S	NW	24	5.1										
24	15.0	2.5	8.8	9.2	3.8		81	48						15.0	S	SE	26	0.6										
25	11.9	3.2	7.6	10.4	2.6		100	66		0.6		0.6		25.3	NNW	NNW	43	0.0										
26	4.6	-2.6	1.0	17.0			87	60		TR		TR		30.2	NW	NW	39	0.3										
27	7.6	-3.1	2.3	15.7			100	74		12.4		12.4		23.0	S*	NNW	46	0.0										
28	3.3	-3.6	-0.2	18.2			87	68			0.8	0.8		44.3	NNW	NNW	54	0.0										
29	-2.1	-8.1	-5.1	23.1			93	68			1.2	1.2	TR	27.8	NNW	N	37	3.5										
30	-2.5	-9.1	-5.8	23.8			93	63		TR	TR	TR	TR	14.2	S	S	26	3.3										
31	2.0	-4.5	-1.3	19.3			74	59					TR	26.8	S	S	32	6.8										
MEAN MOYENNE	8.5	-2.4	3.1	463.9	29.3	0.0	89	52	0	15.2	4.6	19.8		18.5	S	NNW	54	127.8										
NORMAL NORMALE	11.3	0.1	5.7	380.9	74.9	0.3			0	24.6	4.9	29.5		19.0	S			149.8										

DEGREE-DAY SUMMARY/SOMMAIRE DE DEGRÉS JOURS

DAYS WITH TOTAL PRECIPITATION JOURS AVEC PRÉCIPITATIONS TOTALES						DAYS WITH SNOWFALL JOURS AVEC CHÛTE DE NEIGE					
07	10	20	30	40	50	07	10	20	30	40	50
OR MORE - OU PLUS	OR MORE - OU PLUS	OR MORE - OU PLUS	OR MORE - OU PLUS	OR MORE - OU PLUS	OR MORE - OU PLUS	OR MORE - OU PLUS	OR MORE - OU PLUS	OR MORE - OU PLUS	OR MORE - OU PLUS	OR MORE - OU PLUS	OR MORE - OU PLUS
9	4	2	1	0	4	2	1	0	0	0	0

UDC 551.508.1 (

Note/Aviz 1 Climatological Day/Jour de climatologique 00 01 C S.T. - 23 00 C S.T

2 Normal/Normale 1981-1980

3 TR = Trace

4 M = Missing/Manquant

5 No entry/Pas de valeur = No occurrence/Pas d'événement

6 * Indicates first of more than one prevailing direction and/or maximum 2 minute mean speed (see page 4)/Indique la première de plusieurs des directions dominantes et/ou la vitesse moyenne maximale sur 2 minutes (voir page 4).

7 C = Calm/Calm \$3.00 \$29.50 \$3.00 \$29.50

8 Price single issue : annual (Jan. to Dec.) /Prix: numéro individuel : annuel (janv à déc.)



DRY BULB TEMPERATURE SUMMARY
 SOMMAIRE DES TEMPERATURES DU THERMOMETRE SEC

WINNIPEG INT'L AIRPORT

OCTOBER 1993
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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
D 1	28	33	32	26	20	10	14	14	9	7	2	15	14	10	4	-5	-5	1	-5	-30	-36	-47	-52	-57	0
A 2	-37	-24	-29	-50	-59	-59	-62	-62	-44	-16	3	18	32	41	62	74	83	87	75	58	62	67	65	66	15
T 3	63	60	66	85	76	81	80	82	103	123	134	131	134	109	102	114	114	96	78	58	51	33	32	23	84
E 4	21	18	15	18	3	-1	4	0	15	47	66	74	82	87	88	80	88	80	54	45	26	8	23	22	41
5	32	31	27	11	15	18	19	17	36	61	82	107	137	153	162	171	175	171	155	139	124	120	118	118	92
6	109	98	91	83	78	71	67	60	65	85	128	152	163	160	153	124	93	71	63	58	52	48	42	35	90
7	31	20	10	-4	-4	-8	-11	-13	-11	-9	-3	-3	5	11	11	13	12	4	-17	-30	-32	-47	-42	-49	-5
8	-49	-50	-53	-74	-78	-84	-82	-71	-35	-6	19	19	32	24	22	24	17	18	-12	-45	-47	-44	-41	-49	-27
9	-52	-65	-55	-45	-39	-47	-53	-47	-36	-9	14	44	62	80	97	102	109	96	76	59	59	56	38	19	19
10	11	5	7	-1	-5	-11	-16	-9	-1	30	49	75	95	115	131	146	153	146	130	111	90	75	69	67	61
11	50	44	40	18	3	4	-7	-10	0	22	40	48	54	64	63	62	56	41	17	-28	-25	-45	-48	-49	17
12	-36	-45	-47	-39	-34	-36	-46	-51	-43	0	18	22	19	26	37	30	31	26	19	16	16	12	-12	-14	-5
13	-9	-7	-7	2	6	10	16	18	18	24	36	52	59	85	96	99	102	85	62	49	40	30	16	-3	37
14	0	4	-3	-3	-18	-21	-33	-41	-33	-3	25	45	55	65	70	70	68	52	44	49	44	48	35	26	23
15	14	6	6	8	13	8	10	8	20	43	51	56	68	87	102	104	80	53	48	45	44	40	35	34	41
16	32	29	25	11	10	-1	5	-12	8	16	39	41	48	46	53	52	51	38	28	15	27	26	25	19	26
17	16	15	4	3	3	4	6	7	8	11	13	19	26	35	45	49	55	51	36	24	18	16	13	19	21
18	17	20	20	21	15	8	8	-1	0	8	30	68	87	102	109	116	113	111	96	86	74	65	58	48	53
19	35	19	17	4	2	8	4	4	12	33	57	91	127	140	141	150	147	138	135	107	100	96	93	86	73
20	82	81	79	69	47	47	41	31	22	31	53	61	69	68	44	60	57	26	26	30	26	15	12	23	46
21	19	12	12	13	14	15	9	-5	3	19	29	37	29	36	35	37	39	26	13	-3	8	8	15	10	18
22	7	4	3	-2	-7	-9	-17	-21	-16	11	37	66	88	113	121	120	119	106	90	87	86	83	71	66	50
23	63	58	58	51	48	48	47	46	50	84	107	127	133	139	141	134	136	114	91	70	77	58	38	36	81
24	35	40	44	35	29	27	29	29	40	51	69	94	118	131	145	147	144	144	135	128	118	118	125	130	88
25	118	111	82	67	54	50	48	55	58	66	76	82	76	78	69	59	48	38	33	38	40	37	36	34	61
26	33	33	31	30	29	28	29	26	26	24	23	35	33	44	42	40	32	29	26	21	18	14	-12	-9	26
27	-25	-13	-14	-24	-28	-25	-19	-20	-14	-3	4	1	4	13	22	30	37	40	45	51	62	73	75	40	13
28	33	27	26	15	12	10	5	-1	-8	-14	-20	-27	-28	-33	-33	-26	-23	-23	-22	-23	-21	-23	-28	-32	-11
29	-35	-34	-34	-35	-40	-43	-41	-38	-47	-49	-36	-29	-26	-19	-34	-38	-36	-40	-44	-50	-53	-61	-72	-80	-42
30	-73	-66	-62	-65	-79	-87	-88	-72	-63	-56	-51	-48	-41	-35	-29	-32	-32	-32	-43	-45	-51	-48	-47	-46	-54
31	-45	-44	-43	-44	-42	-43	-40	-38	-34	-26	-10	2	12	12	17	18	15	14	5	0	-2	-1	8	10	-15

MEAN	16	14	11	6	1	-1	-3	-4	3	19	34	47	57	64	67	68	67	59	47	36	32	27	22	18	30	
MOYENNE																										

*TEMPERATURES IN TENTHS OF DEGREES CELSIUS
 *TEMPERATURES EN DIXIEME DEGRES CELSIUS

D A Y	H O U R	HOUR ->																							DIR.	PEAK WIND SPEED	TIME		
		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	15	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	65	14:15	
		28	32	22	28	22	22	26	28	37	33	28	37	33	32	33	37	32	37	15	11	11	11	13					
2	13	W	W	W	WSW	WSW	W	W	WSW	WSW	W	W	WSW	WSW	W	W	WSW	WSW	W	W	WSW	WSW	W	W	WSW	WSW	E	9	11:19
		13	13	11	13	11	15	15	15	19	19	19	19	19	13	22	17	11	4	6	9	11	11	19	19				
3	13	SW	SW	WSW	WSW	WSW	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	NW	44	11:52	
		13	13	15	15	19	15	15	17	22	20	20	24	33	19	13	11	26	24	19	15	13	11	13					
4	15	W	SSW	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	NW	39	11:28	
		19	17	13	15	17	15	17	15	13	19	20	32	35	30	32	30	24	22	15	7	6	4	4	7				11
5	6	S	S	S	SSE	S	S	S	S	S	SSE	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	48	12:07	
		11	9	7	13	9	7	9	9	19	24	24	26	32	30	33	30	35	28	17	19	20	20	20	28				
6	24	S	S	S	S	S	S	S	S	S	S	SSW	WSW	WNW	N	N	N	N	N	N	N	N	N	N	N	N	54	22:15	
		24	24	24	19	19	17	15	15	9	7	15	19	20	28	30	30	33	37	37	39	33	30	37	37				
7	33	NNE	NNE	NNE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NNE	39	08:31	
		32	32	28	26	26	24	24	26	26	26	26	26	26	24	24	19	22	26	9	6	9	11	4	11				
8	11	NNE	NNE	NNE	N	NNE	NNE	NW	NW	NW	N	N	NNE	N	N	NW	N	N	NNE	N	NW	WNW	WNW	WNW	WNW	N	43	14:53	
		11	11	11	9	6	6	4	11	19	24	19	22	22	24	30	24	22	11	7	9	13	9	9					
9	11	W	W	W	W	WSW	WSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	N	7	9:13	
		13	15	15	9	13	9	11	11	13	13	7	11	13	24	15	11	20	9	7	7	9	13	13					
10	6	SSW	SSW	S	S	S	S	S	S	S	S	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	N	39	11:52	
		11	6	6	6	11	7	11	7	4	4	4	9	9	20	20	19	17	11	9	11	13	19	22	20				
11	17	WSW	W	WNW	WNW	N	NW	NW	NW	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	39	11:52	
		13	15	15	15	13	17	13	15	30	26	26	28	26	24	32	24	24	15	13	13	11	9	13					
12	15	NW	NW	NW	WNW	WNW	W	WNW	W	W	C	W	SW	W	W	WSW	WNW	W	W	WSW	SSW	SSW	S	S	SSW	S	6	4:4	
		13	11	9	7	9	9	7	9	9	0	15	11	9	7	7	4	4	7	4	6	6	4	4	6				
13	4	SSW	SE	SE	S	SSE	SSE	S	SSE	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	N	13	15:13	
		4	4	6	9	11	9	13	15	19	17	20	19	19	20	22	19	0	30	22	19	26	22	15	13				
14	13	NW	NW	WNW	WNW	WNW	W	WNW	WNW	WNW	NW	N	NW	N	NW	N	NW	N	NW	N	NW	N	NW	N	N	N	9	9:9	
		13	15	13	13	11	13	11	9	6	7	9	17	11	13	13	9	4	4	0	0	7	9	9					
15	13	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	SSE	SSE	S	W	WNW	N	N	N	N	N	15	19:15	
		17	9	9	17	19	19	15	15	11	15	11	15	15	7	11	4	17	7	7	15	17	19	19	15				
16	13	WNW	WNW	N	N	N	N	NW	NW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	N	9	13:15	
		20	13	7	6	13	13	11	11	11	22	19	15	17	17	9	7	6	7	7	6	11	9	13	15				

DAILY WEATHER SUMMARY FOR OCTOBER, 1993 AT WINNIPEG, MANITOBA

1. Mainly cloudy with rainshowers and snowshowers. Temperatures well below normal. Winds moderate gusting strong.
2. Mainly cloudy. Maximum temperature below normal, minimum well below normal. Winds light.
3. Variable cloudiness with late morning rainshowers. Temperatures near normal. Winds light except moderate gusting strong during rainshowers.
4. Variable cloudiness. Temperatures below normal. Winds light except moderate early afternoon.
5. Variable cloudiness then clearing by early evening. Temperatures near normal. Winds light increasing to moderate gusting strong late morning then decreasing to light early evening.
6. Clear becoming overcast with light rainshowers midafternoon. Maximum temperature slightly above normal, minimum near normal. Winds light increasing to moderate gusting strong midafternoon.
7. Mainly cloudy. Temperatures well below normal. Winds moderate decreasing to light early evening.
8. Variable cloudiness. Temperatures well below normal. Winds light except moderate midafternoon.
9. Variable cloudiness. Maximum temperature slightly below normal, minimum well below normal. Winds light.
10. Mainly sunny. Maximum temperature near normal, minimum slightly below normal. Winds light.
11. Mainly sunny. Maximum temperature below normal, minimum well below normal. Winds light except moderate early afternoon.
12. Mainly cloudy. Temperatures well below normal. Winds light.
13. Mainly cloudy. Maximum temperature near normal, minimum slightly below normal. Winds light.
14. Variable cloudiness. Temperatures below normal. Winds light.
15. Overcast with late afternoon rainshowers. Temperatures near normal. Winds light.
16. Mainly cloudy with late evening snowshowers. Maximum temperature below normal, minimum slightly below normal. Winds light.
17. Mainly cloudy with snowshowers ending early morning. Maximum temperature below normal, minimum near normal. Winds light.
18. Mainly cloudy then clearing early evening. Temperatures near normal. Winds light to moderate.
19. Clear becoming mainly cloudy with rainshowers early evening. Maximum temperature above normal, minimum near normal. Winds light except moderate early afternoon.
20. Variable cloudiness with rainshowers and snow pellets early evening. Maximum temperature slightly below normal, minimum near normal. Winds light to moderate.
21. Variable cloudiness with rainshowers and snowshowers early afternoon. Maximum temperature below normal, minimum near normal. Winds moderate decreasing to light late afternoon.
22. Variable cloudiness. Temperatures near normal. Winds light.
23. Variable cloudiness. Maximum temperature above normal, minimum slightly above normal. Winds light.
24. Variable cloudiness. Maximum temperature above normal, minimum slightly above normal. Winds light.
25. Mainly cloudy with late afternoon rainshowers. Maximum temperature slightly above normal, minimum above normal. Winds light increasing to moderate gusting strong early afternoon.
26. Mainly cloudy with late morning drizzle. Maximum temperature slightly below normal, minimum near normal. Winds moderate gusting strong decreasing to light early evening.
27. Overcast with rainshowers beginning late morning. Temperatures near normal. Winds light to moderate increasing to strong gusting gale late evening.
28. Mainly cloudy with rainshowers ending overnight. Snow flurries beginning late morning. Maximum temperature below normal, minimum near normal. Winds strong gusting gale decreasing to moderate gusting strong late evening.
29. Mainly cloudy with flurries. Maximum temperature well below normal, minimum below normal. Winds moderate gusting strong decreasing to light late evening.
30. Mainly cloudy with overnight flurries. Temperatures well below normal. Winds light increasing to moderate early evening.
31. Variable cloudiness. Maximum temperature below normal, minimum near normal. Winds moderate.