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MONTHLY METEOROLOGICAL SUMMARY SOMMAIRE MÉTÉOROLOGIQUE MENSUEL

MONTH/MOIS

SEPTEMBER / SEPTEMBRE

19 88

AT/A

WINNIPEG INT'L AIRPORT / AÉROPORT 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.		PRECIPITATION PRÉCIPITATIONS			WIND VENT			BRIGHT SUNSHINE INSOLATION EFFECTIVE HEURES						
	MAXIMUM MAXIMALE	MINIMUM MINIMALE	MEAN MOYENNE	HEATING DE CHAUFFE	GROWING DE CROISSANCE	COOLING DE RÉFÉRIERATION	MAXIMUM MAXIMALE	MINIMUM MINIMALE	THUNDERSTORM ORAGE	RAINFALL PLUIE (HAUTEUR)	SNOWFALL NEIGE (HAUTEUR)	TOTAL PRECIP. TOTAL	SNOW ON GROUND NEIGE AU SOL	AVERAGE SPEED VITESSE MOYENNE		PREVAILING DIRECTION DIRECTION DOMINANTE	MAX 2 MIN MEAN SPEED & DIRECTION VITESSE MOYENNE MAX SUR 2 MIN & DIRECTION				
	°C	°C	°C	BASE 18.0°C	BASE 5.0°C	BASE 5.0°C	%	%		mm	cm	mm	cm	km/h		km/h					
1	27.7	8.9	18.3		13.3	0.3	98	24				0.2		12.5	W	NW 26	11.7				
2	23.3	12.4	17.9	0.1	12.9		91	47		0.2		0.2		20.5	N	NNE37	7.8				
3	27.6	9.8	18.7		13.7	0.7	93	38						19.5	NNW	N 28*	12.0				
4	22.1	5.6	13.9	4.1	8.9		95	36						16.8	N	N 28*	10.7				
5	18.9	2.7	10.8	7.2	5.8		94	33						9.0	NNW	NNW15*	12.5				
6	25.5	4.6	15.1	2.9	10.1		69	24						15.8	S	S 26	12.4				
7	27.5	11.8	19.7		14.7	1.7	62	32						27.5	S	S 44	8.0				
8	18.4	10.4	14.4	3.6	9.4		66	27						21.9	W	W 37	8.6				
9	18.2	5.8	12.0	6.0	7.0		76	39						24.0	W	WNW41*	12.0				
10	16.6	0.1	8.4	9.6	3.4		96	51	1	16.2		16.2		10.4	E	NE 26*	2.2				
11	11.7	9.1	10.4	7.6	5.4		100	93	1	28.0		28.0		25.0	NE	N 31	0.0				
12	15.7	7.2	11.5	6.5	6.5		95	58		TR.		TR.		17.9	NW	NNW30*	7.3				
13	20.2	8.9	14.6	3.4	9.6		79	35						20.4	NW	NW 37	12.1				
14	22.6	3.9	13.3	4.7	8.3		91	31						7.4	SSW	SSW15*	9.2				
15	23.1	10.2	16.7	1.3	11.7		88	35						18.4	SSE	SSE28	8.0				
16	15.1	12.9	14.0	4.0	9.0		100	88		0.9		0.9		11.2	SE	SSE22	0.0				
17	22.6	9.2	15.9	2.1	10.9		100	58						12.3	S	WNW26	4.3				
18	12.4	7.4	9.9	8.1	4.9		98	85	1	13.0		13.0		29.6	N	N 46	0.0				
19	10.3	4.0	7.2	10.8	2.2		99	76		1.8		1.8		36.5	N	N 46	2.0				
20	10.2	3.2	6.7	11.3	1.7		100	75		0.6		0.6		18.4	N	NNW33	0.1				
21	10.8	6.4	8.6	9.4	3.6		95	75		0.2		0.2		9.5	SSE	SSE19	0.4				
22	17.6	7.0	12.3	5.7	7.3		97	44		0.4		0.4		18.7	W	WNW33*	9.1				
23	17.4	4.2	10.8	7.2	5.8		83	44						14.6	WSW	WNW28	10.3				
24	19.3	4.6	12.0	6.0	7.0		94	46		TR.		TR.		18.0	ESE	WNW30	9.2				
25	12.5	2.7	7.6	10.4	2.6		97	45						9.4	WNW	E 19	4.5				
26	17.4	7.6	12.5	5.5	7.5		85	56		TR.		TR.		18.0	NNW	E 24*	7.5				
27	10.3	4.7	7.5	10.5	2.5		94	65		TR.		TR.		18.8	E	N 28	3.3				
28	12.9	6.4	9.7	8.3	4.7		90	63		TR.		TR.		15.8	SE	SE 28	0.4				
29	17.4	4.3	10.9	7.1	5.9		100	58						12.4	SSW	SSW22	5.9				
30	24.0	8.6	16.3	1.7	11.3		88	32						16.3	S	S 22*	8.9				
MEAN MOYENNE	18.3	6.8	12.6	TOTAL 165.1	TOTAL 227.6	TOTAL 2.7	90	48	TOT 3	TOTAL 61.3	TOTAL 0.0	TOTAL 61.3		17.5	PREVAILING DIRECTION DOMINANTE N	MAXIMALE N 46	TOTAL 200.4				
NORMAL NORMALE	18.4	6.3	12.4	178.1	223.8	8.7			3	53.0	0.2	53.3		18.5	S		184.6				
DEGREE-DAY SUMMARY/SOMMAIRE DE DEGRÉS JOURS										DAYS WITH TOTAL PRECIPITATION / JOURS AVEC PRÉCIPITATIONS TOTALES											
BELOW 18°C AU-DESSOUS DE 18°C			THIS YEAR ANNEE EN COURS	PREVIOUS YEAR ANNEE PRÉCÉDENTE	NORMAL NORMALE	ABOVE 5°C AU-DESSUS DE 5°C			THIS YEAR ANNEE EN COURS	PREVIOUS YEAR ANNEE PRÉCÉDENTE	NORMAL NORMALE	mm		cm							
TOTAL FOR MONTH TOTAL DU MOIS			165.1	123.1	178.1	TOTAL FOR MONTH TOTAL DU MOIS			227.6	272.3	223.8	02 OR MORE / OU PLUS	10 OR MORE / OU PLUS	20 OR MORE / OU PLUS	100 OR MORE / OU PLUS	500 OR MORE / OU PLUS	02 OR MORE / OU PLUS	10 OR MORE / OU PLUS	20 OR MORE / OU PLUS	100 OR MORE / OU PLUS	500 OR MORE / OU PLUS
ACCUMULATED SINCE JULY 1 ACCUMULÉE DEPUIS LE 1er JUILLET			190.4	189.6	242.5	ACCUMULATED SINCE APRIL 1 ACCUMULÉE DEPUIS LE 1er AVRIL			2080.8	1986.5	1697.4	9	4	3	3	0	0	0	0	0	0

UDC 551.506.1 ()

Note/Avis

- Climatological Day/Journée climatologique 00 01 C S.T. - 00 00 C S.T.
- Normal/Normale 1951-1980
- TR = Trace
- M = Missing/Manquant
- No entry/Pas de valeur = No occurrence/Pas d'événement
- * 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).
- C = Calm/Calme
- Price: single issue \$2.75 ; annual (Jan. to Dec.) \$27.30 /Prix: numéro individuel \$2.75 ; annuel (janv. à déc.)

Canada

MONTH: SEPTEMBER 1988
MOIS: SEPTEMBRE 1988

WINNIPEG INTERNATIONAL AIRPORT
AEROPORT INTERN. DE WINNIPEG

DRY-BULB TEMPERATURES AT:
TEMPERATURES DU THERMOMETRE SEC A:

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	109	108	98	120	99	101	91	109	132	182	220	234	243	250	261	250	257	268	260	229	206	181	180	178
2	155	135	146	141	124	136	131	141	159	164	181	185	191	210	230	212	219	215	192	182	180	146	136	127
3	137	136	137	130	114	107	98	121	160	186	210	223	241	249	254	262	267	250	236	215	189	169	166	171
4	162	149	131	120	94	71	56	95	136	157	170	184	185	194	202	206	211	186	176	160	144	140	102	86
5	82	77	62	56	38	30	32	42	108	129	146	155	155	158	173	178	177	185	178	140	124	124	100	97
6	84	80	75	73	49	51	53	68	99	146	185	218	234	250	249	253	255	251	242	212	193	184	170	169
7	159	151	149	147	144	157	155	162	174	197	206	218	231	235	253	272	267	243	226	200	184	167	152	123
8	118	105	114	110	119	128	124	121	135	150	159	164	169	181	176	175	179	180	182	173	156	152	154	139
9	131	128	125	118	109	104	102	110	121	128	142	155	168	169	179	182	181	180	168	128	119	85	66	74
10	58	51	36	35	30	22	1	37	92	119	125	136	140	147	160	155	149	132	115	103	103	104	104	104
11	106	106	105	106	108	108	108	107	111	111	109	110	109	114	114	109	107	102	103	102	99	96	94	92
12	91	90	90	90	81	74	83	90	94	98	110	129	130	140	146	148	151	153	148	131	126	124	111	105
13	101	100	101	102	104	102	104	114	137	163	173	182	184	190	192	194	197	190	176	133	120	119	114	92
14	95	93	68	77	76	57	39	55	114	147	177	207	214	222	219	218	213	214	203	173	163	143	137	116
15	111	114	116	112	112	109	102	103	129	144	180	201	215	219	222	222	207	210	205	193	184	178	168	155
16	143	139	138	133	131	131	129	131	132	134	144	142	141	142	145	146	149	147	146	145	145	145	145	145
17	135	124	117	97	108	109	115	107	114	122	129	135	145	166	197	218	208	203	182	136	124	140	130	126
18	120	114	113	95	94	83	82	82	87	90	88	95	108	100	100	106	104	104	103	99	80	77	74	87
19	86	82	72	72	70	69	67	68	71	75	85	88	94	101	96	93	86	80	74	64	62	56	48	44
20	40	39	36	38	36	35	35	38	50	56	62	72	76	79	86	91	88	88	88	85	84	82	81	78
21	76	74	74	70	69	69	69	68	65	68	72	78	84	92	99	101	104	104	101	98	94	95	93	89
22	89	84	81	72	71	73	76	75	86	109	129	146	151	149	158	152	147	141	126	112	97	74	83	79
23	75	65	66	61	52	49	44	51	70	99	120	137	147	162	163	169	163	158	131	121	120	108	105	111
24	119	114	111	111	114	112	89	84	107	121	138	152	151	181	160	161	160	140	131	111	106	83	85	56
25	46	33	46	44	35	38	43	47	57	64	82	91	103	101	116	115	107	105	101	101	94	93	90	89
26	87	87	86	90	89	88	89	93	103	120	126	135	140	160	162	169	155	125	110	107	100	96	90	80
27	80	58	60	67	64	63	61	49	50	55	50	56	64	72	84	94	92	90	84	83	71	65	60	60
28	64	67	67	70	72	74	72	72	78	88	94	101	100	115	118	126	112	103	100	98	93	87	85	88
29	85	83	81	74	60	51	46	51	56	84	100	123	130	151	156	168	166	163	154	142	130	123	119	114
30	105	99	102	99	95	96	89	87	105	128	153	173	195	209	218	229	222	195	178	165	163	162	155	150

Note/Avis: 1. Climatological Day/Journée climatologique 0001 C.S.T. - 0000 C.S.T.
 2. Hours are C.S.T./Les heures sont a l'heure normale de la localite
 3. Unit/Unite = 0.1°C

HOURLY DEW POINT TEMPERATURE AT: WINNIPEG INTERNATIONAL AIRPORT
 TEMPERATURE DE ROSEE HORAIRE A: AEROPORT INTERN. DE WINNIPEG

MONTH: SEPTEMBER 1988
 MOIS: SEPTEMBRE 1988

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	99	105	92	110	94	86	80	86	88	81	95	86	86	78	72	64	54	55	41	45	34	31	35	62
2	95	90	98	96	88	103	108	117	117	113	116	113	103	103	111	133	117	116	116	130	123	115	112	110
3	119	109	108	104	95	92	86	103	122	121	108	111	108	110	116	111	106	117	124	112	112	103	103	104
4	103	105	100	92	79	60	47	81	91	70	61	54	55	54	54	51	77	68	67	65	68	53	43	39
5	43	47	41	37	24	18	22	29	54	47	43	47	37	29	37	35	23	23	17	15	19	16	17	11
6	6	11	10	9	-2	-2	-4	2	12	25	26	29	36	39	35	36	31	28	20	13	0	-2	-5	-8
7	2	19	35	43	47	53	54	58	60	67	78	74	80	80	88	87	98	86	71	73	75	60	50	46
8	50	44	45	42	46	30	24	16	15	23	16	15	21	16	4	-12	-7	-13	-11	-11	-11	-8	0	5
9	2	3	3	0	0	-1	1	5	11	18	29	36	39	43	39	41	45	44	39	44	31	28	23	28
10	21	23	13	14	12	4	-21	24	54	61	56	61	62	64	59	56	55	79	79	89	90	92	97	98
11	97	98	101	100	98	98	98	101	102	102	102	103	104	108	107	105	102	101	98	98	96	92	91	88
12	86	82	81	79	73	68	76	81	80	82	77	51	76	68	73	68	74	73	68	68	72	72	73	75
13	72	66	59	54	57	62	67	76	90	92	93	81	86	71	58	39	50	33	38	48	48	55	59	51
14	48	46	37	37	33	30	25	39	60	67	74	67	54	47	40	43	48	62	69	60	52	57	53	56
15	54	48	49	51	49	46	45	48	57	70	78	80	66	74	69	66	59	57	44	65	69	81	101	119
16	124	124	119	119	121	121	124	126	130	132	138	138	137	138	140	138	138	140	142	141	141	141	138	137
17	130	122	117	97	108	109	115	107	114	122	129	135	145	150	163	135	125	120	120	109	106	125	117	111
18	103	99	92	81	80	76	72	68	68	68	74	85	85	81	83	85	86	88	85	89	73	72	68	83
19	81	79	68	66	63	65	65	64	63	62	61	62	61	67	58	56	52	55	40	32	30	26	27	27
20	28	30	31	32	32	30	30	31	46	54	61	58	65	56	52	52	49	52	48	48	45	47	45	50
21	56	55	57	57	57	58	59	58	60	61	67	64	65	62	66	64	63	64	61	68	64	68	71	75
22	77	76	75	68	64	68	68	69	75	84	68	60	46	53	38	33	30	30	49	46	41	35	37	34
23	31	24	23	19	18	17	16	18	28	41	47	56	47	47	41	48	45	47	46	45	46	58	59	53
24	49	50	47	40	37	38	39	41	52	50	61	62	44	60	44	48	67	70	66	74	69	63	59	44
25	38	29	41	39	28	30	28	33	31	21	-1	-3	5	-2	3	-2	-10	6	6	3	-6	-8	0	-1
26	4	22	23	32	38	43	43	47	47	59	68	73	74	81	76	79	76	73	72	63	62	55	56	55
27	54	45	47	43	35	31	29	35	37	47	32	24	28	22	27	34	30	31	31	27	25	25	24	24
28	25	31	36	35	34	32	33	38	43	45	45	47	44	52	52	58	54	56	58	57	60	68	69	68
29	67	65	62	57	50	44	42	48	56	71	76	88	88	88	88	88	91	82	81	74	73	70	73	72
30	68	69	72	70	68	68	66	64	70	79	92	98	104	103	103	101	47	72	39	45	44	30	29	35

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CLIMATOLOGICAL SUMMARY FOR SEPTEMBER 1988

AT WINNIPEG, MANITOBA

The month was fairly normal.

No records were broken in the month of September, unlike the preceeding months. The mean maximum was 18.3 (normal 18.4) and the mean minimum was 6.8 (normal 6.3) for a monthly mean of 12.6 (normal 12.4). The extremes for the month were 27.7 on the first and 0.1 on the 10th.

Rainfall was another matter. A large rainfall, amounting to 44.2 mm, on the 10th and 11th lead to us exceeding the normal with 61.3 mm (normal 53.0). No snowfall was measured during the month.

Sunshine was abundant with 200.4 hours measured compared to a normal of 184.6 hours. Winds were light on average. The monthly mean speed was 17.1 and the normal is 18.5.

DAILY WEATHER SUMMARY FOR SEPTEMBER 1988

AT WINNIPEG, MANITOBA

1. Sunny. Temperatures above normal. Winds light becoming moderate by noon and light again by evening.
2. Cloudy becoming clear by late evening. Temperatures above normal. Winds light becoming moderate occasionally gusting strong by mid-morning.
3. Sunny. Temperatures above normal. Winds light occasionally moderate in the afternoon and evening.
4. Sunny. Temperatures slightly below normal. Winds light becoming moderate occasionally gusting strong by noon decreasing to light in the evening.
5. Sunny. Temperatures below normal. Winds light.
6. Sunny. Temperatures above normal. Winds light.
7. Sunny becoming cloudy by mid-morning with visibilities reduced because of smoke. Temperatures above normal. Winds moderate gusting strong, occasionally strong gusting to gale force.
8. Few clouds early in the morning becoming cloudy late in the afternoon and clear late in the evening. Temperatures near normal. Winds light becoming moderate gusting strong by mid-morning, diminishing in the evening.
9. Sunny. Temperatures slightly below normal. Winds moderate becoming moderate gusting strong by mid-morning decreasing to light in the evening.
10. Sunny becoming overcast with rainshowers in the evening. Temperatures below normal. Winds light becoming moderate in the evening.
11. Overcast with rain. Temperatures below normal. Winds moderate.
12. Cloudy to overcast becoming clear by evening. Temperatures below normal. Winds early in the morning and around noon, otherwise light.
13. Sunny. Temperatures above normal. Winds light becoming moderate gusting strong by mid-morning and decreasing to light by evening.
14. Sunny with a few clouds by afternoon. Temperatures above normal. Winds light.
15. Cloudy. Temperatures above normal. Winds light becoming moderate in the afternoon.
16. Overcast with drizzle and fog. Temperatures below normal. Winds light except for a short period of moderate winds near noon.
17. Overcast with fog clearing in the afternoon. Temperatures above normal. Winds light.
18. Overcast with a short period of drizzle in the morning and rain in the evening. Temperatures below normal. Winds moderate becoming moderate gusting strong in the afternoon.
19. Overcast with rain, drizzle and fog in the morning and rainshowers in the early evening. Temperatures below normal. Winds moderate gusting strong.
20. Cloudy to overcast with drizzle and fog. Temperatures below normal. Winds moderate becoming light in the evening.
21. Cloudy to overcast with light rain early in the morning. Temperatures below normal. Winds light.
22. Sunny with a few cloudy periods. Temperatures near normal. Winds were moderate gusting strong in the afternoon, otherwise winds were light.
23. Sunny with a few clouds in the evening. Temperatures near normal. Winds light with a short period of moderate in the afternoon.
24. Sunny with some cloudy periods. Temperatures slightly above normal. Winds light becoming moderate in the afternoon.
25. Variable cloudiness becoming overcast in the evening. Temperatures below normal. Winds light.
26. Cloudy, becoming sunny with a few clouds by mid-morning and overcast in the evening. Temperatures slightly above normal. Winds light occasionally moderate.
27. Overcast with light drizzle and fog becoming sunny in the mid-afternoon. Temperatures below normal. Winds light to moderate in the morning, becoming light in the afternoon and moderate late in the evening.
28. Cloudy to overcast. Temperatures below normal. Winds light except for a period of moderate in the morning.
29. Sunny with some cloudy periods. Temperatures above normal. Winds light.
30. Sunny becoming overcast in the evening. Temperatures well above normal.