



Environnement Canada
Atmospheric Environment Service

Environnement Canada
Service de l'environnement atmosphérique

MONTHLY METEOROLOGICAL SUMMARY SOMMAIRE MÉTÉOROLOGIQUE MENSUEL

MONTH/MOIS: AUGUST / AOÛT 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) MÉTRES (NNM)			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 HOURS HEURES				
	MAXIMUM MAXIMALE	MINIMUM MINIMALE	MEAN MOYENNE	HEATING DE CHAUFFE	GROWING DE CROISSANCE	COOLING DE RÉFRIGÉRATION	MAXIMUM MAXIMALE	MINIMUM MINIMALE		RAINFALL PLUIE (HAUTEUR)	SNOWFALL NEIGE (HAUTEUR)	TOTAL PRECIP. TOTALE		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 18.0°C	%	%	mm	cm	mm	km/h		km/h							
1	27.0	13.0	20.0		15.0	2.0	87	36				9.1	E	ESE22	4.2						
2	24.7	13.0	18.9		13.9	0.9	94	67				9.5	ESE	ESE19	2.3						
3	24.4	15.5	20.0		15.0	2.0	93	47				13.5	W	S 26	10.2						
4	25.1	11.7	18.4		13.4	0.4	96	41				4.0	CALM	NNW15	8.9						
5	34.1	12.2	23.2		18.2	5.2	83	22				9.5	S	S 20	13.5						
6	38.7	15.8	27.3		22.3	9.3	70	16				15.7	S	S 30	11.6						
7	28.8	10.4	19.6		14.6	1.6	75	47	1	TR.	TR.	20.6	W	NNW33	10.0						
8	24.5	8.0	16.3	1.7	11.3		78	32				8.5	W	W 15*	12.1						
9	31.4	14.9	23.2		18.2	5.2	59	20				14.8	S	SW 28	12.2						
10	35.2	16.5	25.9		20.9	7.9	64	25				11.6	S	S 20	10.5						
11	29.3	12.5	20.9		15.9	2.9	89	32				6.8	N	NE 13	12.1						
12	28.0	15.0	21.5		16.5	3.5	85	55	1	3.6	3.6	15.8	NE	NNE33*	7.5						
13	26.0	15.6	20.8		15.8	2.8	94	59				11.6	NE	NE 19*	1.7						
14	30.7	14.5	22.6		17.6	4.6	86	31				8.0	WNW	S 13	10.3						
15	34.8	17.8	26.3		21.3	8.3	82	26				13.8	S	W 22*	12.6						
16	29.5	19.4	24.5		19.5	6.5	88	49		TR.	TR.	14.0	E	E 22*	6.0						
17	26.2	16.2	21.2		16.2	3.2	94	54				16.9	NNE	NNE24*	11.5						
18	26.8	15.6	21.2		16.2	3.2	65	41				7.0	E	ENE13	8.2						
19	27.7	14.1	20.9		15.9	2.9	76	39	1	TR.	TR.	13.4	SSE	ESE24*	7.1						
20	28.3	13.5	20.9		15.9	2.9	87	49				18.5	ESE	ESE30	8.1						
21	27.6	17.2	22.4		17.4	4.4	87	54	1	2.6	2.6	27.0	SE	SSE43*	2.2						
22	28.4	13.8	21.1		16.1	3.1	73	29		0.2	0.2	20.3	WSW	WSW31*	11.6						
23	20.7	14.8	17.8	0.2	12.8		86	62		TR.	TR.	24.1	WNW	WNW37	3.1						
24	27.9	10.7	19.3		14.3	1.3	92	27				21.8	W	NW 44*	13.0						
25	22.5	9.8	16.2	1.8	11.2		83	42				23.0	WNW	NW 43	9.6						
26	25.0	8.6	16.8	1.2	11.8		96	33	1	1.6	1.6	12.5	W	N 26*	2.4						
27	14.7	7.5	11.1	6.9	6.1		91	59		0.5	0.5	23.0	NW	NW 37	1.1						
28	17.6	10.1	13.9	4.1	8.9		88	59				16.7	NW	NNW24	3.3						
29	21.5	12.0	16.8	1.2	11.8		87	46				8.9	WNW	ESE17	10.6						
30	25.5	9.9	17.7	0.3	12.7		86	34				20.3	SSE	SSE26*	11.2						
31	25.7	10.8	18.3		13.3	0.3	93	45				13.3	SSE	SE 22*	8.2						
MEAN MOYENNE	27.0	13.2	20.1	TOTAL 17.4	TOTAL 470.0	TOTAL 84.4	84	41	TOT 5	TOTAL 8.5	TOTAL 0.0	TOTAL 8.5		PREVAILING W DOMINANTE	MAXIMALE NW 44	TOTAL 256.9					
NORMAL NORMALE	24.7	11.8	18.3	43.3	411.7	52.0			6	75.2	0.0	75.2		S		283.3					
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 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														
TOTAL FOR MONTH TOTAL DU MOIS	17.4	52.7	43.3	TOTAL FOR MONTH TOTAL DU MOIS	470.0	380.1	411.7														
ACCUMULATED SINCE JULY 1 ACCUMULÉE DEPUIS LE 1er JUILLET	25.3	66.5	64.4	ACCUMULATED SINCE APRIL 1 ACCUMULÉE DEPUIS LE 1er AVRIL	1853.2	1714.2	1473.6	5	3	2	0	0	0	0	0	0					

UDC 551.506.1 ()

Note/Aviz

- 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/Calmé
- Price: single issue \$2.75; annual (Jan. to Dec.) \$27.30 /Prix: numéro individuel \$2.75; annuel (janv. à déc.) \$27.30

Canada

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

WINNIPEG INTERNATIONAL AIRPORT
AEROPORT INTERN. DE WINNIPEG

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 localité
3. Unit/Unite = 0.1°C

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

MONTH: AUGUST
 MOIS: AOÛT

1988
 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	122	117	108	105	112	109	112	115	117	117	125	98	98	107	102	113	125	130	136	131	131	138	141	142
2	136	134	131	128	120	125	134	140	155	159	167	172	174	181	180	174	178	179	179	182	183	183	181	181
3	181	181	175	172	169	166	162	173	172	173	138	115	118	120	121	118	122	117	118	115	120	116	114	113
4	114	113	119	117	108	114	118	133	149	160	126	122	134	117	102	103	99	111	108	111	113	121	112	114
5	111	113	109	107	98	96	96	117	125	134	130	122	120	113	108	105	94	87	93	87	120	118	118	114
6	93	87	86	88	98	103	106	110	126	130	139	138	144	126	85	69	84	86	97	90	112	123	157	176
7	176	169	169	173	182	146	125	122	118	130	123	128	133	135	119	103	98	86	85	77	77	76	70	65
8	62	55	52	51	55	55	56	61	78	74	73	62	65	66	62	61	66	63	70	77	73	65	63	74
9	77	74	80	81	68	63	68	82	101	114	117	117	103	89	86	66	54	81	93	97	101	102	104	108
10	120	117	116	108	101	98	101	117	126	123	122	114	122	118	109	138	113	153	144	114	116	110	110	120
11	114	119	111	106	107	103	108	124	136	150	118	103	105	100	92	97	108	110	116	99	102	138	132	141
12	135	143	135	136	133	131	133	136	138	156	156	154	154	157	164	173	179	178	175	170	156	169	171	169
13	162	157	154	151	145	148	149	156	163	170	175	179	183	186	182	179	168	157	153	153	149	146	145	145
14	143	141	138	125	119	120	122	137	120	121	110	122	116	123	114	113	118	109	136	138	139	142	142	142
15	151	148	148	153	149	150	153	170	181	186	171	161	115	120	138	124	124	116	117	134	141	149	151	151
16	153	145	150	151	145	139	139	146	156	162	165	170	166	165	166	167	169	172	163	166	160	165	166	170
17	175	169	162	152	146	142	143	146	142	142	147	149	149	146	144	146	141	140	130	132	119	111	108	98
18	98	98	96	84	102	97	95	94	108	117	123	126	130	130	126	120	113	126	129	123	126	122	100	100
19	92	97	97	93	96	96	98	97	111	123	130	138	130	132	126	120	118	112	112	114	105	112	103	121
20	126	137	134	128	117	133	133	146	154	163	166	167	170	160	155	159	155	151	150	149	147	152	152	155
21	161	166	166	165	166	165	162	157	157	163	168	170	176	175	173	163	163	166	163	182	179	184	165	148
22	122	106	98	92	94	92	92	99	108	117	109	102	93	86	81	74	77	73	86	68	108	109	103	103
23	104	105	107	108	106	108	112	114	115	118	119	130	131	123	119	117	121	125	122	119	130	122	128	128
24	126	126	113	108	102	92	92	99	114	116	110	106	100	101	74	59	38	51	55	53	57	58	53	58
25	65	74	74	89	97	97	100	100	100	105	108	100	92	93	86	83	90	89	84	55	54	62	62	68
26	60	68	64	74	72	74	70	80	86	85	79	76	74	66	61	90	108	108	117	116	112	109	102	102
27	90	68	55	48	51	54	74	54	50	44	86	68	67	71	70	68	67	69	73	71	72	81	85	85
28	84	86	84	85	86	84	80	86	82	75	75	71	85	86	87	91	87	86	86	86	89	90	93	95
29	96	91	94	96	94	95	98	103	97	94	98	98	94	96	87	83	91	86	86	86	82	87	84	86
30	83	87	82	85	82	75	71	76	77	80	92	93	92	84	74	73	83	75	72	82	81	95	99	100
31	101	99	96	92	92	95	103	111	117	121	117	113	117	116	112	115	115	111	111	125	124	118	109	113

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CLIMATOLOGICAL SUMMARY FOR AUGUST 1988

AT WINNIPEG, MANITOBA

On August the 6th, the mercury reached 38.7 for the third hottest temperature ever recorded in August in Winnipeg. A minimum of 7.5 was reached on the 27th. The mean temperature of 20.1 degrees was above the normal of 18.3 and led to a record warm summer (June-August) temperature of 21.1. The mean maximum for the month was 27.0 and the mean minimum, 13.0.

With only 8.5 mm of rain, we had the third driest August on record.

Sunshine was below normal at 256.6 hours compared to a normal of 283.3. The mean wind speed of 14.7 km/h was below the normal of 16.4.

DAILY WEATHER SUMMARY FOR AUGUST 1988

AT WINNIPEG, MANITOBA

1. Cloudy. Temperatures above normal. Winds light.
2. Cloudy. Temperatures slightly below normal. Winds light.
3. Mainly sunny, with some cloudy periods. Temperatures above normal. Winds light becoming moderate with strong gusts, light in the evening.
4. Mainly sunny. Temperatures below normal. Winds light
5. Sunny. Temperatures above normal. Winds light.
6. Sunny in the morning, clouding over early afternoon. Temperatures above normal. Winds light becoming moderate with some strong gusts.
7. Cloudy periods in the morning, sunny in the afternoon. Temperatures above normal. Winds moderate with strong gusts becoming light in the evening.
8. Sunny becoming cloudy in the evening. Temperatures below normal. Winds light.
9. Mainly sunny. Temperatures above normal. Winds light changing to moderate with gusts.
10. Mainly sunny with some cloudy periods in the afternoon. Temperatures above normal. Winds light.
11. Sunny. Temperatures above normal. Winds light.
12. Cloudy with a light rain shower near noon becoming sunny in the afternoon. Temperatures above normal. Winds light changing to moderate with strong gusts near noon.
13. Cloudy. Temperatures above normal. Winds light.
14. Cloudy in the morning, sunny in the afternoon. Temperatures above normal. Winds light.
15. Sunny. Temperatures above normal. Winds light.
16. Cloudy. Temperatures above normal. Winds light.
17. Sunny. Temperatures above normal. Winds light becoming moderate with gusts.
18. Sunny. Temperatures above normal. Winds light.
19. Sunny becoming cloudy in the evening with a thundershower. Temperatures above normal. Winds light.
20. Sunny with a few cloudy periods near noon. Temperatures above normal. Winds light becoming moderate with gusts in the afternoon.
21. Sunny becoming cloudy by noon with a light rain shower. Temperatures above normal. Winds moderate with gusts becoming strong with gusts in the afternoon.
22. Mostly sunny with some cloudy periods and light rain in the evening. Temperatures above normal. Winds light becoming moderate with strong gusts near noon.
23. Cloudy. Temperatures below normal. Winds moderate with strong gusts becoming light in the evening.
24. Sunny. Temperatures above normal. Winds light becoming moderate gusting strong in the afternoon, decreasing to light late in the evening.
25. Sunny becoming cloudy by mid-morning and sunny again by evening. Temperatures slightly below normal. Winds moderate becoming moderate gusting strong then light by evening.
26. Sunny becoming overcast with rainshowers in the evening. Temperatures near normal. Winds light occasionally moderate.
27. Cloudy with rainshowers near noon and in the evening. Temperatures well below normal. Winds moderate occasionally gusting strong decreasing to light late in the evening.
28. Cloudy to overcast throughout the day. Temperatures below normal. Winds light early in the day increasing to moderate becoming light again in the evening.
29. Cloudy in the morning becoming sunny in the afternoon. Temperatures near normal. Winds light.
30. Sunny. Temperatures near normal. Winds light becoming moderate by mid-morning.
31. Some cloud. Temperatures slightly above normal. Winds moderate diminishing to light by mid-morning.