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MONTHLY METEOROLOGICAL SUMMARY SOMMAIRE MÉTÉOROLOGIQUE MENSUEL

MONTH/MOIS **JANUARY / JANVIER** 1987
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 (NMM)		STANDARD TIME USED: 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						
	MAXIMUM MAXIMALE	MINIMUM MINIMALE	MEAN MOYENNE	HEATING DE CHAUFFE	GROWING DE CROISSANCE	COOLING DE RÉFÉRIERATION	MAXIMUM MAXIMALE	MINIMUM MINIMALE		RAINFALL PLUIE (HAUTEUR)	SNOWFALL NEIGE (HAUTEUR)	TOTAL PRECIP. PRÉCIP. TOTALE		AVERAGE SPEED VITESSE MOYENNE	PREVAILING DIRECTION DIRECTION DOMINANTE		MAX 2 MIN MEAN SPEED & DIRECTION VITESSE MOYENNE MAX SUR 2 MIN & DIRECTION	HOURS HEURES				
	°C	°C	°C	BASE 18.0°C	BASE 5.0°C	BASE 18.0°C	%	%	mm	cm	mm	cm	km/h	km/h	HOURS HEURES							
1	-7.9	-18.1	-13.0	31.0			94	75			TR.	TR.	12	14.0	S	S 30*	0.0					
2	-5.7	-11.7	-8.7	26.7			94	82					12	28.8	S	S 46	1.5					
3	-3.0	-10.2	-6.6	24.6			94	81					12	9.7	S	S 24	6.1					
4	1.8	-6.6	-2.4	20.4			90	71					12	29.6	S	SSE63	2.1					
5	-3.0	-11.9	-7.5	25.5			96	85					12	5.8	NNE	S 11	1.8					
6	-4.6	-12.2	-8.4	26.4			94	75		TR.	TR.	TR.	12	12.0	NNE	N 22	0.0					
7	-5.8	-14.4	-10.1	28.1			95	78					12	11.4	SSW	SSW22	6.6					
8	-3.5	-13.4	-8.5	26.5			92	70					12	11.8	W	WNW20	2.5					
9	-5.6	-12.7	-9.2	27.2			92	80			0.2	0.2	12	21.5	N	N 31	0.0					
10	-6.8	-10.6	-8.7	26.7			89	80			TR.	TR.	12	17.8	S	S 31	0.3					
11	2.3	-7.8	-2.8	20.8			89	71					12	13.2	W	S 20*	4.8					
12	5.7	-6.7	-0.5	18.5			95	74					11	8.8	SSW	SSW13*	4.5					
13	5.3	-4.1	0.6	17.4			91	60					11	16.0	WSW	WNW28	1.1					
14	-1.2	-22.5	-11.9	29.9			86	59			TR.	TR.	11	23.7	NNW	NNW33*	4.9					
15	-14.8	-25.0	-19.9	37.9			71	49					11	11.4	W	NNW15*	6.1					
16	-11.3	-19.6	-15.5	33.5			95	55				0.2	11	16.3	SW	SSW28	6.5					
17	-8.0	-14.5	-11.3	29.3			94	77				0.2	11	10.3	W	W 15*	0.6					
18	-9.2	-20.2	-14.7	32.7			93	73		TR.	1.0	1.0	11	17.0	SE	E 26	0.9					
19	-10.2	-20.9	-15.6	33.6			94	64			7.2	7.2	12	21.9	NNE	NNE41	2.8					
20	-10.1	-19.0	-14.6	32.6			92	74		TR.	0.4	0.2	13	15.7	S	S 30*	1.7					
21	-9.7	-17.5	-13.6	31.6			94	59			1.6	1.2	14	20.1	N	S 30	3.4					
22	-16.6	-31.0	-23.8	41.8			74	56					12	17.2	N	NNE24*	8.2					
23	-27.1	-35.4	-31.3	49.3			73	46					12	5.9	WNW	WNW15	8.2					
24	-24.4	-34.3	-29.4	47.4			74	57					12	3.0	CALM	N 09	8.0					
25	-17.9	-31.2	-24.6	42.6			64	34			TR.	TR.	12	10.8	SSE	S 20	8.1					
26	-7.7	-21.7	-14.7	32.7			93	57			TR.	TR.	12	12.9	S	S 19	4.0					
27	-4.2	-13.8	-9.0	27.0			98	85			0.2	0.2	12	19.6	NW	NW 22	0.0					
28	-4.3	-17.6	-11.0	29.0			100	80			TR.	TR.	12	16.1	S	SE 26*	0.0					
29	-1.6	-6.3	-4.0	22.0			97	82			TR.	TR.	12	17.8	SSE	NNW24*	0.0					
30	-4.7	-12.5	-8.6	26.6			95	80					12	17.4	NW	S 33*	2.1					
31	-4.0	-8.2	-6.1	24.1			97	80					12	23.5	S	S 33	2.4					
MEAN MOYENNE	-7.0	-16.5	-11.8	923.4			90	69	TOT	TR.	11.0	10.4		15.2	S	SSE63	99.2					
NORMAL NORMALE	-14.3	-24.2	-19.3	1154.7						0.2	23.7	21.3		18.6	S		121.2					
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	923.4	964.0	1154.7	TOTAL FOR MONTH TOTAL DU MOIS	0.0	0.0	0.0						8	3	1	0	0	8	3	1	0	0
ACCUMULATED SINCE JULY 1 ACCUMULÉE DEPUIS LE 1er JUILLET	3264.9	3518.9	3434.6	ACCUMULATED SINCE APRIL 1 ACCUMULÉE DEPUIS LE 1er AVRIL	1775.6	1873.2	1783.2						8	3	1	0	0	8	3	1	0	0

UDC 551.508.1 ()

Note/Aviz

1. Climatological Day/Journée climatologique 00 01 C S.T. - 00 00 C S.T.

2. Normal/Normale 1951-1980

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/Calmé

8. Price: single issue 2.65; annual (Jan. to Dec.) 26.25/Prix: numéro individuel 2.65; annuel 26.25 (janv. à déc.)

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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	-170	-176	-177	-167	-162	-174	-176	-168	-166	-152	-137	-118	-107	-95	-87	-84	-83	-82	-81	-80	-82	-86	-99	-97
2	-101	-106	-110	-117	-117	-112	-98	-101	-106	-107	-107	-104	-96	-90	-94	-79	-79	-82	-78	-67	-61	-61	-66	-69
3	-72	-79	-80	-91	-100	-94	-96	-80	-87	-94	-92	-64	-35	-50	-56	-47	-45	-71	-85	-74	-88	-74	-66	
4	-60	-51	-42	-29	-18	-10	-5	-6	-6	-3	11	4	-3	-4	-9	-13	-17	-17	-19	-23	-24	-31	-41	
5	-43	-44	-58	-62	-81	-76	-78	-94	-81	-76	-66	-65	-50	-49	-36	-33	-43	-56	-86	-98	-94	-107	-108	
6	-119	-111	-97	-99	-86	-77	-65	-59	-51	-49	-51	-52	-64	-69	-74	-77	-81	-90	-91	-88	-89	-93	-94	
7	-109	-110	-123	-131	-143	-126	-122	-118	-118	-117	-106	-101	-91	-91	-78	-68	-62	-67	-72	-81	-80	-81	-82	
8	-97	-82	-81	-84	-124	-125	-125	-117	-120	-124	-102	-82	-68	-62	-48	-42	-44	-56	-62	-75	-74	-82	-91	
9	-120	-122	-127	-119	-102	-84	-79	-74	-81	-81	-80	-71	-64	-61	-59	-58	-65	-76	-83	-91	-96	-99	-100	
10	-102	-103	-104	-103	-103	-103	-103	-102	-100	-97	-90	-87	-80	-73	-72	-72	-74	-77	-75	-80	-83	-79	-78	
11	-69	-66	-62	-58	-59	-67	-73	-68	-39	-21	-12	-2	3	5	13	20	5	-8	12	-20	-15	-12	-19	
12	-21	-18	-41	-48	-65	-45	-34	-39	-40	-37	-26	-20	11	16	30	39	17	5	-15	-20	-28	-32	-28	
13	-37	-37	-28	-25	-26	-31	-26	-11	4	38	27	43	47	47	39	38	34	30	10	12	-3	-1	-10	
14	-15	-24	-26	-28	-41	-42	-68	-101	-120	-129	-141	-145	-145	-148	-150	-156	-159	-172	-180	-188	-196	-202	-208	
15	-225	-230	-239	-242	-245	-246	-249	-244	-240	-229	-221	-216	-196	-188	-177	-178	-181	-186	-192	-193	-179	-158	-150	
16	-174	-187	-187	-182	-177	-171	-177	-177	-179	-184	-166	-156	-143	-129	-123	-123	-127	-128	-129	-129	-123	-118	-114	
17	-135	-132	-132	-143	-139	-126	-121	-114	-111	-106	-101	-96	-93	-86	-83	-87	-95	-99	-97	-99	-101	-98	-108	
18	-108	-109	-124	-165	-175	-190	-197	-197	-192	-184	-167	-151	-130	-121	-113	-107	-108	-101	-98	-96	-96	-94	-100	
19	-103	-104	-108	-122	-130	-130	-143	-156	-166	-170	-175	-180	-177	-160	-168	-165	-173	-189	-199	-202	-203	-201	-199	
20	-185	-186	-182	-183	-171	-163	-162	-165	-164	-170	-157	-144	-137	-135	-125	-124	-133	-132	-132	-127	-122	-118	-112	
21	-102	-99	-99	-103	-104	-109	-116	-119	-125	-126	-127	-131	-122	-106	-102	-105	-105	-124	-137	-161	-153	-162	-166	
22	-170	-174	-176	-162	-195	-206	-236	-236	-257	-284	-283	-281	-277	-275	-270	-267	-269	-281	-293	-297	-301	-302	-305	
23	-310	-304	-323	-325	-322	-320	-329	-322	-347	-343	-327	-315	-296	-281	-281	-284	-278	-285	-281	-315	-319	-333	-327	
24	-322	-308	-321	-332	-322	-331	-332	-333	-330	-317	-297	-276	-268	-266	-265	-268	-271	-287	-288	-306	-307	-308	-313	
25	-310	-295	-293	-277	-290	-298	-286	-294	-294	-294	-256	-245	-231	-216	-198	-191	-195	-213	-207	-189	-182	-190	-209	
26	-217	-213	-196	-181	-166	-164	-165	-164	-165	-160	-153	-140	-131	-116	-113	-100	-105	-127	-130	-132	-134	-141	-122	
27	-78	-76	-53	-46	-46	-54	-60	-64	-66	-68	-70	-74	-84	-85	-85	-81	-83	-87	-90	-92	-90	-90	-93	
28	-133	-120	-128	-144	-160	-163	-144	-126	-120	-113	-103	-94	-84	-67	-55	-45	-48	-49	-50	-53	-51	-54	-56	
29	-63	-60	-58	-52	-44	-44	-41	-40	-37	-34	-29	-24	-22	-18	-18	-20	-24	-28	-29	-29	-26	-26	-34	
30	-49	-52	-56	-70	-92	-114	-124	-122	-120	-112	-105	-94	-78	-65	-64	-71	-65	-63	-64	-62	-60	-53	-52	
31	-52	-53	-57	-63	-62	-57	-53	-52	-53	-51	-52	-50	-50	-51	-50	-44	-47	-43	-46	-52	-57	-58	-69	

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

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

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
	MONTH: 1987																							
	MOIS: JANVIER																							
1	-197	-207	-208	-195	-189	-203	-204	-190	-190	-177	-148	-129	-116	-105	-98	-96	-95	-94	-93	-92	-96	-100	-113	-110
2	-115	-117	-123	-132	-132	-126	-110	-114	-118	-122	-126	-123	-117	-111	-105	-101	-101	-102	-98	-90	-83	-84	-86	-90
3	-92	-93	-98	-105	-113	-103	-105	-88	-98	-103	-104	-81	-62	-68	-71	-65	-64	-94	-98	-92	-102	-86	-81	-83
4	-77	-71	-62	-54	-50	-45	-41	-41	-40	-40	-36	-27	-27	-25	-34	-36	-36	-36	-36	-40	-43	-51	-57	-57
5	-63	-66	-77	-80	-91	-84	-87	-110	-92	-87	-78	-79	-66	-64	-51	-52	-59	-68	-97	-103	-107	-118	-122	-115
6	-132	-122	-105	-109	-95	-89	-74	-68	-58	-58	-60	-66	-89	-94	-97	-106	-114	-117	-114	-114	-117	-118	-119	-123
7	-123	-123	-131	-145	-156	-142	-134	-132	-131	-129	-119	-127	-122	-122	-109	-97	-90	-92	-95	-101	-98	-103	-101	-112
8	-113	-104	-105	-110	-136	-137	-137	-131	-132	-138	-122	-107	-102	-100	-95	-86	-73	-88	-96	-109	-109	-115	-118	-133
9	-140	-141	-143	-135	-120	-101	-94	-89	-101	-101	-101	-88	-78	-78	-76	-81	-92	-101	-105	-115	-119	-122	-123	-127
10	-127	-125	-123	-124	-122	-122	-126	-127	-122	-122	-110	-106	-98	-91	-90	-89	-93	-96	-97	-98	-100	-99	-98	-96
11	-94	-91	-86	-84	-85	-90	-94	-87	-71	-62	-54	-44	-40	-35	-31	-27	-29	-34	-27	-45	-41	-42	-45	-43
12	-42	-39	-56	-62	-75	-58	-44	-51	-52	-50	-42	-41	-22	-15	-10	-5	-15	-18	-27	-32	-38	-43	-39	-51
13	-50	-50	-43	-44	-45	-49	-48	-36	-35	-30	-28	-21	-19	-15	-12	-9	-6	-11	-24	-31	-35	-35	-40	-40
14	-46	-46	-53	-51	-71	-66	-93	-133	-150	-161	-168	-178	-176	-194	-204	-217	-218	-224	-230	-239	-245	-253	-261	-268
15	-274	-278	-285	-290	-290	-295	-299	-296	-295	-290	-280	-277	-261	-259	-253	-239	-236	-239	-240	-238	-224	-212	-205	-207
16	-213	-222	-223	-216	-212	-211	-220	-223	-226	-232	-225	-220	-213	-200	-190	-182	-176	-173	-167	-171	-157	-134	-129	-139
17	-144	-143	-143	-159	-154	-142	-138	-135	-132	-131	-123	-115	-109	-108	-106	-116	-122	-121	-110	-110	-116	-108	-127	-126
18	-143	-144	-156	-176	-216	-220	-230	-227	-223	-216	-194	-175	-162	-157	-146	-143	-137	-132	-128	-127	-130	-129	-116	-116
19	-115	-113	-118	-131	-139	-140	-152	-192	-192	-196	-207	-214	-217	-209	-216	-220	-220	-236	-244	-247	-246	-243	-240	-234
20	-231	-221	-213	-212	-197	-188	-192	-195	-198	-202	-188	-169	-162	-160	-151	-140	-148	-145	-148	-144	-139	-131	-130	-122
21	-116	-111	-110	-115	-117	-124	-131	-133	-139	-138	-140	-145	-140	-123	-120	-122	-123	-141	-185	-198	-188	-203	-221	-221
22	-230	-228	-232	-232	-239	-249	-277	-309	-319	-327	-327	-329	-333	-334	-333	-328	-331	-338	-346	-349	-350	-350	-349	-344
23	-352	-346	-365	-366	-363	-364	-369	-368	-395	-385	-366	-360	-343	-343	-353	-346	-340	-344	-342	-361	-358	-375	-365	-358
24	-355	-343	-370	-380	-369	-372	-374	-372	-371	-355	-334	-317	-332	-324	-326	-323	-327	-333	-340	-356	-350	-346	-353	-355
25	-349	-346	-337	-331	-341	-351	-343	-353	-351	-355	-336	-330	-317	-317	-296	-306	-294	-296	-280	-274	-270	-275	-276	-282
26	-285	-279	-243	-214	-195	-191	-193	-189	-190	-185	-180	-167	-159	-143	-142	-145	-131	-140	-144	-144	-148	-151	-132	-126
27	-91	-86	-72	-66	-66	-73	-74	-79	-75	-83	-86	-96	-98	-103	-103	-97	-100	-104	-105	-107	-109	-111	-114	-118
28	-139	-127	-132	-149	-161	-170	-151	-128	-127	-120	-109	-102	-92	-89	-79	-74	-79	-76	-68	-66	-66	-74	-74	-79
29	-84	-81	-79	-75	-58	-51	-48	-46	-43	-39	-35	-31	-28	-25	-28	-33	-37	-40	-38	-38	-36	-36	-48	-58
30	-65	-72	-73	-86	-105	-126	-133	-131	-128	-120	-116	-110	-103	-94	-92	-91	-85	-82	-80	-75	-73	-65	-62	-60
31	-60	-60	-66	-73	-72	-68	-66	-66	-68	-73	-76	-78	-78	-72	-70	-65	-69	-63	-63	-66	-68	-69	-80	-90

Note/Avi: 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. Enft/Unite = 0.1°C

January ranked as the fourth warmest on record and the warmest since 1942. New maximum temperature records were established on the 4th, 12th and 13th.

The maximum temperature climbed above the freezing mark on four occasions. The warmest temperature was 5.7°C on the 12th and the coldest -35.4°C on the 23rd.

Less than half of the normal precipitation fell during the month. Sunshine was well below normal and the mean wind speed was below normal.

DAILY WEATHER SUMMARY FOR JANUARY 1987AT WINNIPEG, MANITOBA

1. Cloudy. Temperatures above normal. Winds light becoming moderate with strong gusts in the late evening.
2. Cloudy, blowing snow early morning. Temperatures above normal. Winds moderate with strong gusts.
3. Sunny. Temperatures much above normal. Winds light.
4. Cloudy, clearing in the afternoon. Temperatures well above normal. Winds moderate to strong.
5. Variable cloudiness. Temperatures above normal. Winds light.
6. Cloudy with fog overnight and snow beginning in the morning and ending in the evening. Temperatures above normal. Winds light.
7. Clear. Temperatures above normal. Winds light.
8. Variable cloudiness. Temperatures above normal. Winds light.
9. Cloudy with snow in the early morning and late evening. Temperatures above normal. Winds moderate during the day, otherwise light.
10. Cloudy with snow, ending in the early afternoon. Temperatures above normal. Winds light becoming moderate near noon.
11. Mostly sunny. Temperatures much above normal. Winds light.
12. Sunny. Temperatures much above normal. Winds light.
13. Cloudy. Temperatures much above normal. Winds light, moderate at times.
14. Variable cloudiness with snow in the afternoon. Temperatures above normal. Winds moderate.
15. Mostly sunny. Temperatures near normal. Winds light.
16. Sunny becoming cloudy in the evening with a brief period of snow. Temperatures above normal. Winds moderate in the afternoon, otherwise light.
17. Cloudy with periods of very light snow. Temperatures above normal. Winds light.
18. Cloudy, periods of snow beginning in the afternoon with freezing drizzle in the late evening. Temperatures above normal. Winds light, moderate at times during the evening.
19. Variable cloudiness, snow and blowing snow ending late morning. Temperatures above normal. Winds moderate with strong gusts becoming light in the afternoon.
20. Cloudy, snow overnight. Temperatures above normal. Winds light becoming moderate in the evening.
21. Variable cloudiness with snow overnight. Temperatures above normal. Winds moderate.
22. Clear. Temperatures below normal. Winds light.
23. Clear. Temperatures below normal. Winds light.
24. Clear. Temperatures below normal. Winds light.
25. Mainly sunny with some overcast periods late in the day. Temperatures below normal. Winds light.
26. Cloudy. Temperatures above normal. Winds light.
27. Cloudy with snow in the afternoon. Temperatures above normal. Winds light.
28. Cloudy. Temperatures above normal. Winds light becoming moderate in the evening.
29. Cloudy with light snow and fog. Temperatures above normal. Winds light to moderate in the late afternoon.
30. Cloudy. Temperatures above normal. Winds light becoming moderate with strong gusts in the evening.
31. Cloudy. Temperatures above normal. Winds moderate with strong gusts in the early morning becoming light in the afternoon.