

MONTHLY METEOROLOGICAL SUMMARY

SOMMAIRE METEOROLOGIQUE MENSUEL

Environment Canada

Environnement Canada

WINNIPEG INTL A (YWG) MONTH/MOIS: November/novembre 2000

DATE	TEMPERATURE TEMPERATURE			DEGREE-DAYS DEGRES-JOURS			REL HUMIDITY HUMIDITE REL		PRECIPITATION PRECIPITATIONS			Snow On Ground
	MAX	MIN	MEAN	Heating	Growing	Cooling	MAX	MIN	Rainfall	Snowfall	Total	neige au sol
	C	C	C	de chauffe base 18	de crois- sance base 5	de refri- geration base 18	%	%	de pluie hauteur mm	de neige hauteur cm	precip. totales mm	cm
1	10.4	7.5	9.0	9.0	4.0	0.0	100	95	18.2	0.0	18.2	0
2	10.4	0.3	5.4	12.6	0.4	0.0	100	85	4.4	TR	4.4	0
3	4.1	-0.7	1.7	16.3	0.0	0.0	94	71	TR	0.0	TR	0
4	9.6	-3.2	3.2	14.8	0.0	0.0	95	70	0.0	0.0	0.0	0
5	9.6	0.9	5.3	12.7	0.3	0.0	100	69	7.6	0.0	7.6	0
6	9.6	1.6	5.6	12.4	0.6	0.0	100	96	19.0	0.0	19.0	0
7	2.9	-0.7	1.1	16.9	0.0	0.0	100	96	6.2	3.0	9.2	TR
8	-0.1	-3.7	-1.9	19.9	0.0	0.0	100	100	1.6	0.4	2.0	TR
9	-0.1	-4.4	-2.3	20.3	0.0	0.0	100	100	0.0	0.8	0.8	TR
10	-3.1	-7.7	-5.4	23.4	0.0	0.0	100	95	0.0	1.0	1.0	TR
11	-5.4	-13.8	-9.6	27.6	0.0	0.0	100	93	0.0	1.4	1.4	1
12	-3.6	-13.2	-8.4	26.4	0.0	0.0	100	86	0.0	1.0	1.0	2
13	-4.1	-14.9	-9.5	27.5	0.0	0.0	91	84	0.0	1.0	1.0	3
14	-5.2	-16.9	-11.1	29.1	0.0	0.0	90	64	0.0	0.0	0.0	3
15	-3.6	-9.7	-6.7	24.7	0.0	0.0	86	72	0.0	TR	TR	3
16	-4.5	-9.9	-7.2	25.2	0.0	0.0	84	71	0.0	TR	TR	3
17	-7.7	-12.4	-10.1	28.1	0.0	0.0	89	72	0.0	TR	TR	3
18	-5.0	-12.1	-8.6	26.6	0.0	0.0	89	76	0.0	4.2	4.2	8
19	-5.4	-11.6	-8.5	26.5	0.0	0.0	88	71	0.0	2.2	2.2	9
20	-10.0	-19.4	-14.7	32.7	0.0	0.0	88	75	0.0	TR	TR	7
21	-11.1	-20.8	-16.0	34.0	0.0	0.0	87	80	0.0	0.0	0.0	7
22	-6.9	-21.2	-14.1	32.1	0.0	0.0	90	76	0.0	0.5	0.5	7
23	-4.0	-13.6	-8.8	26.8	0.0	0.0	95	84	0.0	0.0	0.0	7
24	2.0	-7.8	-2.9	20.9	0.0	0.0	84	63	0.0	0.0	0.0	6
25	-1.3	-12.1	-6.7	24.7	0.0	0.0	88	65	0.0	0.0	0.0	6
26	-1.7	-12.6	-7.2	25.2	0.0	0.0	86	68	0.0	0.0	0.0	6
27	-1.5	-9.9	-5.7	23.7	0.0	0.0	98	76	0.0	0.0	0.0	6
28	-1.5	-7.4	-4.5	22.5	0.0	0.0	91	81	0.0	2.0	2.0	8
29	-3.8	-15.1	-9.5	27.5	0.0	0.0	95	83	0.0	0.0	0.0	8
30	-7.3	-16.0	-11.7	29.7	0.0	0.0	97	78	0.0	0.5	0.5	8
TOTAL				699.8	5.3	0.0			57.0	18.0	75.0	totale
MEAN	-1.3	-9.4	-5.4				94	80				moyenne
NORMAL	-0.4	-9.2	-4.7	683.3	4.3	0.0			5.3	19.0	21.2	normale

- NOTE/AVIS:
1. Climatological Day / Journee Climatologique: 00 01 CST - 00 00 CST
 2. 30 Yr Normals / Normales duree 30 ans.
 3. TR = Trace.
 4. No entry = Missing / Pas de valeur = Manquant.

WINNIPEG INTL A (YWG) MONTH/MOIS: November/novembre 2000

		WINDS (km/h)										DES VENTS (km/h)										Pk	Hour					
Hour		0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Gust	Heur	
Date																										Rafale		
1		NNE	NNE	NNE	NNE	NNE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	ENE	ENE	NE	NE	NE	NE	NE	NE	NE	NE	57	1900
2		22	28	24	28	22	22	28	26	30	28	32	33	32	41	35	32	33	35	37	44	43	35	17	24	57	1900	
2		NE	E	E	ENE	ENE	SE	S	S	S	S	SSE	SSE	SE	S	SSW	NW	NNW	NNW	NW	NW	NW	NW	NW	NW	37	57	
2		20	11	11	11	13	9	9	22	22	15	17	13	15	13	6	7	35	37	32	35	39	43	4	37	57		
3		NW	NW	NW	NW	NW	NW	NW	NW	WNW	W	W	WNW	W	W	WSW	WSW	SW	SW	SSW	SW	SW	SW	SW	37	57		
3		43	41	30	20	24	24	20	20	22	20	17	20	28	20	17	15	11	9	7	11	9	1	9	59			
4		SSW	SW	SSW	SW	S	SSW	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	30	26		
4		13	11	11	11	7	9	9	13	15	17	22	26	24	26	24	32	33	28	32	30	30	26	28	48			
5		S	S	S	S	S	S	S	SE	SSE	SSE	S	S	S	S	S	S	C	NNE	NNE	NNE	ENE	ESE	ESE	30	26		
5		28	24	28	32	28	30	22	13	19	22	30	35	35	24	22	13	7	0	9	11	11	9	13	50			
6		ESE	ESE	ESE	E	N	NNE	NNE	N	NNE	NNE	NNE	N	NNE	N	N	N	N	N	N	NNE	NNE	NNE	NNE	37	46		
6		11	9	11	7	24	28	32	28	35	33	33	37	41	39	39	37	41	43	41	39	43	44	37	46			
7		NNE	NNE	NNE	NNE	N	NNE	NNE	N	N	N	N	N	N	NNE	NNE	N	N	N	N	N	N	N	N	32	30		
7		41	33	33	35	33	41	39	33	41	43	44	43	41	39	35	37	39	35	37	39	39	32	30	32			
8		NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	35	100		
8		28	22	26	22	26	26	24	20	26	24	22	20	19	20	26	22	24	20	22	28	20	22	20	19			
9		WNW	W	W	W	W	W	WNW	W	WNW	W	WNW	W	WNW	W	WNW	W	WNW	W	WNW	W	WNW	W	WNW	32	30		
9		19	13	17	15	19	22	20	19	17	11	15	15	20	19	22	17	22	15	20	17	19	19	19	32			
10		N	N	N	NNW	N	N	NNW	NNW	N	N	NNW	N	N	N	N	N	N	N	N	N	NNW	NNW	N	17	9		
10		20	20	24	20	22	19	20	17	19	22	19	22	19	20	20	13	9	15	13	13	11	11	17	9			
11		N	N	NNW	N	N	N	NNE	N	NNE	NNE	NNE	NNE	N	N	N	N	NNE	NNE	NNE	N	NNW	NNW	NNW	35	1500		
11		13	13	9	9	13	9	9	9	7	9	13	7	6	6	6	7	7	9	7	6	6	4	7	6			
12		C	NNE	NNE	N	N	NNE	NNE	NE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	N	N	N	N	20	26		
12		0	7	7	6	11	13	15	17	13	17	24	24	20	24	28	30	30	26	22	28	26	22	20	26			
13		N	N	N	NNW	N	N	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	W	WNW	W	11	13		
13		24	19	15	17	15	13	19	19	24	20	20	17	19	20	17	19	17	15	17	13	11	11	13	15			
14		WNW	WNW	W	W	WSW	SSW	SSW	S	SSW	SW	SSW	S	S	SSW	SW	SSW	SW	SW	SW	SW	SW	WSW	19	7			
14		11	15	15	9	4	4	7	9	9	7	13	15	17	22	17	19	13	13	13	13	13	19	7	17			
15		SW	W	W	W	WNW	WNW	WNW	W	WNW	WNW	WNW	NW	NW	NW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	24	50			
15		11	11	20	19	13	15	15	17	17	17	20	20	37	32	28	28	15	20	22	20	22	22	24	50			
16		N	NNW	N	N	N	N	N	N	N	N	N	N	N	NNW	N	NNW	NW	NW	NW	WNW	WSW	N	7	41			
16		26	26	20	19	28	24	24	26	30	30	32	32	32	20	28	24	17	22	20	19	15	7	7	41			
17		WSW	SW	WSW	WSW	WSW	SW	SSW	SSW	SSW	SW	WSW	W	W	W	W	W	W	W	W	W	W	W	13	13			
17		13	13	11	13	11	9	11	11	13	15	11	11	11	11	7	11	11	9	7	7	11	13	13	13			
18		WNW	W	WNW	WSW	W	W	S	SW	S	S	S	S	S	SSE	SSE	SSE	SE	SE	ESE	ESE	E	ENE	26	41			
18		13	9	11	7	9	13	9	4	11	15	15	17	20	26	28	33	26	30	24	28	26	24	30	41			
19		NE	NNE	NNE	NNE	NNE	N	N	N	N	NNW	NNW	NNW	NNW	NNW	N	N	N	NNW	NNW	N	N	NNW	22	28			
19		33	33	33	35	32	33	26	30	30	37	35	33	35	32	30	32	33	30	30	28	30	22	28	48			
20		NNW	NNW	NW	NW	NW	NW	WNW	NNW	NW	WNW	W	W	W	W	W	SW	SW	SSW	SSW	SSW	S	SSW	13	35			
20		24	24	30	28	32	28	19	6	15	13	13	13	15	13	11	9	9	9	11	11	11	6	13	35			
21		S	S	SSW	SSW	SSW	S	SSW	C	W	W	W	W	NW	NW	NW	WNW	NW	NW	NNW	N	NNW	NNW	W	9	6		
21		11	13	13	17	7	9	11	0	6	11	17	17	13	17	13	13	13	15	15	17	9	7	6	6			
22		C	W	C	S	SSE	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	11	7		
22		0	4	0	6	9	15	11	15	17	24	26	32	26	33	33	26	33	26	19	24	13	11	7	48			
23		SSW	W	WSW	W	W	WNW	W	C	S	S	S	S	SSW	S	SSW	S	S	S	S	S	S	S	S	19	20		
23		6	6	4	4	9	4	4	0	6	11	9	15	19	20	22	28	26	24	26	26	19	19	19	20			
24		S	S	S	S	S	S	S	SSW	S	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	13	19			
24		22	22	20	24	20	15	17	20	15	19	19	20	20	22	20	19	22	26	22	19	13	13	13	19			
25		W	W	W	WNW	WNW	WNW	WNW	WNW	WNW	WNW	W	W	WSW	W	W	SW	SSW	S	S	S	S	S	13	11			
25		17	15	17	17	22	19	17	17	17	17	17	15	15	9	9	7	7	9	11	13	13	11	11	11			
26		SSW	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	SSW	S	S	SSW	SSW	SW	9	6		
26		6	11	11	15	13	17	17	13	19	19	24	24	30	32	33	32	28	24	24	19	17	13	9	6			
27		WNW	W	W	WNW	NW	NW	WNW	W	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WSW	WSW	S	SE	S	S	6	44			
27		7	17	17	13	15	15	17	17	15	11	13	11	7	4	7	6	7	4	6	6	4	6	7	4			
28		S	SE	E	ESE	ESE	ENE	E	E	E	E	E	ESE	E	ENE	ENE	NE	NE	NE	NNE	NNE	N	N	22	24			
28		7	7	7	15	7	11	11	9	15	15	15	13	19	19	15	17	17	19	17	19	22	22	24	24			
29		N	N	N	NNW	NNW	NNW	NNW	NW	NW	NW	NW	WNW	W	WNW	W	WNW	W	WNW	WNW	W	NW	W	6	7			
29		19	17	15	15	17	17	19	19	17	20	15	17	17	17	13	19	13	13	13	9	4	6	7	9			
30		W	NW	NNW	WSW	W	N	W	NNW	NW	N	NNW	NW	NW	NW	NNW	NNE	NNE	N	N	N	N	NNE	13	6			
30		7	6	4	6	4	4	4	6	6	6	6	7	4	6	6	9	7	13	20	15	15	13	13	6			

SUMMARY / SOMMAIRE

Date	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Pdir	NE	NW	NW	S	S	NNE	N	NW	NNW	N	N	NNE	NNW	SW	NW	N	W	S	N	W	NW	S	S	SSW	W	S	WNW	E	W	NW	
avgV	30	21	19	21	20	32	37	23	18	17	8	19	17	13	20	22	11	19	31	16	12	18	14	19	14	19	10	15	14	8	
dir2	NNW										W	W																			

NOTE/AVIS: * indicates/indique < 24 hrs and/et >=18 hrs Pdir=Prevailing direction/Direction dominante dir2=2nd Pdir/2ieme Pdir

WINNIPEG INTL A (YWG) MONTH/MOIS: November/novembre 2000

PRECIPITATION OCCURRENCES / EVENEMENT DES PRECIPITATIONS

HOURLY / HEURE

Date	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
1	L	L	L								R	R	R		RW	L	L	L	R	R	R	TRW	TRW	TRW	RW
2											L	L	R	R		L	L	L	R	R	R	S			
3					L																				
4							L																		
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Note/Avis:

R = Rain/pluie : S = Snow/neige : W = Showers/averse de : T = Thunderstorm/orage : L = Drizzle/bruine : Z = Freezing/verglacante
 SP = Snow Pellets/neige roulée : SG = Snow Grains/neige en grains : A = Hail/grele : IP = Ice Pellets/gresil

WINNIPEG INTL A (YWG) MONTH/MOIS: Novembre/novembre 2000

DRY BULB TEMPERATURES / TEMPERATURES DU THERMOMETRE SEC

Date	HOUR / HEURE																								
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
1	77	76	76	76	77	79	85	87	84	86	89	96	91	88	86	89	87	86	85	86	86	89	89	94	102
2	98	100	103	100	100	97	83	77	81	76	75	75	76	75	75	50	35	27	20	20	8	7	8	8	8
3	3	6	11	12	15	19	16	15	22	25	33	36	35	37	39	39	31	22	24	24	23	11	8	3	3
4	-3	-8	-10	-13	-28	-21	-15	-2	8	24	30	52	68	79	84	79	65	59	55	55	55	54	48	48	48
5	44	42	41	40	42	45	34	9	25	48	57	72	77	82	79	79	78	76	76	77	77	85	95	96	96
6	95	95	95	94	63	57	50	44	36	32	27	28	28	30	28	25	23	19	19	19	17	17	20	24	24
7	25	26	23	24	25	27	27	11	6	1	-3	-5	-1	6	6	8	6	6	6	6	7	6	2	-1	-1
8	-2	-2	-5	-7	-10	-9	-9	-12	-12	-13	-21	-20	-18	-18	-20	-21	-28	-34	-36	-36	-37	-37	-35	-33	-33
9	-31	-36	-33	-35	-44	-43	-42	-42	-36	-27	-17	-8	-5	-5	-4	-7	-11	-15	-21	-21	-24	-28	-30	-30	-30
10	-36	-38	-41	-44	-47	-48	-48	-48	-48	-49	-49	-46	-47	-45	-47	-55	-52	-53	-58	-58	-69	-71	-62	-64	-64
11	-64	-67	-68	-68	-69	-72	-72	-73	-71	-68	-66	-63	-60	-56	-55	-57	-60	-60	-99	-97	-132	-126	-134	-132	-132
12	-116	-85	-81	-74	-71	-62	-61	-62	-61	-55	-48	-38	-40	-40	-38	-44	-48	-50	-51	-51	-48	-45	-43	-43	-43
13	-43	-45	-48	-52	-56	-58	-73	-74	-78	-79	-79	-66	-60	-61	-64	-62	-61	-66	-81	-81	-116	-126	-139	-135	-135
14	-148	-154	-147	-162	-167	-161	-154	-160	-162	-139	-109	-83	-73	-67	-70	-71	-81	-83	-71	-71	-60	-55	-58	-64	-64
15	-61	-51	-39	-52	-74	-91	-84	-85	-91	-70	-41	-41	-40	-47	-48	-61	-51	-56	-59	-59	-64	-58	-52	-55	-55
16	-56	-57	-56	-52	-49	-48	-53	-52	-54	-55	-58	-48	-49	-49	-49	-52	-51	-56	-60	-60	-71	-68	-69	-78	-78
17	-85	-98	-113	-112	-114	-123	-118	-122	-122	-116	-104	-101	-98	-103	-103	-102	-106	-103	-107	-99	-102	-106	-97	-90	-90
18	-121	-106	-83	-81	-74	-72	-72	-75	-72	-72	-68	-62	-56	-53	-52	-53	-52	-51	-50	-50	-51	-51	-52	-54	-54
19	-54	-58	-61	-60	-62	-64	-69	-78	-84	-85	-91	-91	-94	-95	-91	-88	-97	-107	-104	-104	-96	-94	-107	-114	-114
20	-101	-102	-107	-116	-136	-146	-172	-180	-180	-191	-170	-151	-147	-141	-139	-144	-160	-172	-165	-165	-169	-167	-171	-162	-162
21	-150	-143	-143	-139	-139	-162	-165	-192	-173	-167	-162	-147	-125	-118	-118	-112	-119	-127	-160	-134	-177	-208	-177	-177	-177
22	-190	-176	-199	-169	-149	-141	-145	-139	-132	-121	-111	-103	-93	-89	-81	-79	-76	-73	-70	-72	-74	-89	-92	-100	-100
23	-116	-132	-118	-109	-93	-83	-75	-68	-65	-68	-59	-44	-42	-42	-45	-51	-56	-59	-62	-64	-60	-57	-57	-54	-54
24	-50	-39	-43	-43	-37	-50	-34	-45	-48	-31	-21	2	10	14	15	14	6	2	-2	-2	-12	-26	-45	-60	-60
25	-74	-85	-86	-70	-57	-67	-73	-71	-85	-73	-68	-51	-38	-28	-20	-20	-28	-51	-72	-91	-93	-86	-107	-111	-111
26	-113	-119	-121	-117	-108	-111	-108	-111	-108	-92	-79	-57	-43	-32	-21	-20	-28	-34	-40	-41	-46	-47	-46	-44	-44
27	-37	-35	-30	-25	-21	-19	-28	-37	-54	-62	-62	-47	-33	-26	-21	-28	-36	-51	-70	-70	-87	-79	-69	-63	-63
28	-63	-66	-58	-45	-45	-41	-42	-38	-32	-29	-26	-22	-17	-19	-18	-16	-17	-19	-20	-23	-26	-29	-32	-38	-38
29	-47	-43	-49	-52	-54	-57	-60	-62	-68	-71	-71	-70	-71	-75	-72	-77	-79	-81	-92	-98	-96	-93	-112	-135	-135
30	-124	-122	-142	-132	-118	-118	-113	-112	-111	-110	-103	-97	-91	-86	-80	-81	-80	-73	-79	-91	-102	-112	-133	-158	-158

NOTE/AVIS:

1. Unit = 0.1 C

1. Unite = 0.1 C