

MONTHLY METEOROLOGICAL SUMMARY SOMMAIRE METEOROLOGIQUE MENSUEL

Environment Canada

Environnement Canada

WINNIPEG INTLA (YWG) MONTH/MOIS: September/septembre 1999

DATE	TEMPERATURE TEMPERATURE			DEGREE-DAYS DEGRES-JOURS			REL HUMIDITY HUMIDITE REL		PRECIPITATION PRECIPITATIONS			Snow On Ground neige au sol cm
	MAX	MIN	MEAN	Heating	Growing	Cooling	MAX	MIN	Rainfall	Snowfall	Total	
	C	C	C	base 18	base 5	base 18	%	%	mm	cm	mm	
1	22.2	9.3	15.8	2.2	10.8	0.0	99	38	TR	0.0	TR	0
2	16.4	5.9	11.2	6.8	6.2	0.0	98	64	0.6	0.0	0.6	0
3	18.1	10.6	14.4	3.6	9.4	0.0	93	66	0.0	0.0	0.0	0
4	13.8	10.6	12.2	5.8	7.2	0.0	100	82	18.0	0.0	18.0	0
5	15.3	7.6	11.5	6.5	6.5	0.0	100	72	9.0	0.0	9.0	0
6	25.7	3.8	14.8	3.2	9.8	0.0	99	52	0.0	0.0	0.0	0
7	22.4	13.1	17.8	0.2	12.8	0.0	94	50	2.5	0.0	2.5	0
8	14.9	7.6	11.3	6.7	6.3	0.0	100	66	0.2	0.0	0.2	0
9	13.2	6.7	10.0	8.0	5.0	0.0	97	73	1.6	0.0	1.6	0
10	14.7	5.7	10.2	7.8	5.2	0.0	99	61	0.0	0.0	0.0	0
11	16.0	3.4	9.7	8.3	4.7	0.0	100	66	3.0	0.0	3.0	0
12	16.2	9.0	12.6	5.4	7.6	0.0	100	78	5.6	0.0	5.6	0
13	12.3	8.4	10.4	7.6	5.4	0.0	100	81	12.0	0.0	12.0	0
14	14.4	2.5	8.5	9.5	3.5	0.0	99	69	2.4	0.0	2.4	0
15	17.7	0.5	9.1	8.9	4.1	0.0	100	47	0.0	0.0	0.0	0
16	21.6	4.0	12.8	5.2	7.8	0.0	93	41	0.0	0.0	0.0	0
17	25.4	8.6	17.0	1.0	12.0	0.0	95	54	TR	0.0	TR	0
18	19.9	7.0	13.5	4.5	8.5	0.0	94	39	0.0	0.0	0.0	0
19	11.4	-3.0	4.2	13.8	0.0	0.0	96	47	TR	0.0	TR	0
20	14.2	-3.9	5.2	12.8	0.2	0.0	93	43	0.0	0.0	0.0	0
21	24.5	6.7	15.6	2.4	10.6	0.0	91	36	0.0	0.0	0.0	0
22	24.3	5.4	14.9	3.1	9.9	0.0	96	36	0.0	0.0	0.0	0
23	18.0	1.1	9.6	8.4	4.6	0.0	96	37	0.0	0.0	0.0	0
24	23.0	5.6	14.3	3.7	9.3	0.0	75	39	0.0	0.0	0.0	0
25	19.2	5.9	12.6	5.4	7.6	0.0	84	26	0.0	0.0	0.0	0
26	13.5	5.3	9.4	8.6	4.4	0.0	94	57	1.6	0.0	1.6	0
27	14.2	1.6	7.9	10.1	2.9	0.0	97	57	TR	0.0	TR	0
28	13.9	2.2	8.1	9.9	3.1	0.0	99	42	0.2	0.0	0.2	0
29	12.3	-1.9	5.2	12.8	0.2	0.0	94	57	0.0	0.0	0.0	0
30	8.0	2.9	5.5	12.5	0.5	0.0	89	69	0.5	0.0	0.5	0
TOTAL				204.7	186.1	0.0			57.2	0.0	57.2	totale
MEAN	17.2	5.1	11.2				95	55				moyenne
NORMAL	18.6	6.1	12.4	178.6	224.0	9.2			50.9	0.4	51.3	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: September/septembre 1999

DRY BULB TEMPERATURES / TEMPERATURES DU THERMOMETRE SEC

HOUR / 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	186	160	152	135	137	117	129	139	175	185	193	211	219	198	172	171	172	172	166	146	138	122	111	97
2	96	96	93	101	86	75	70	86	126	147	155	160	155	156	157	143	137	130	126	122	119	116	115	114
3	113	110	109	114	109	108	111	112	132	148	156	157	162	166	172	176	168	166	166	159	149	146	140	128
4	115	123	128	134	134	132	131	129	130	132	135	131	128	126	124	125	126	125	122	121	121	120	118	117
5	117	114	110	107	104	104	102	101	110	119	125	132	137	138	129	132	129	134	131	107	96	94	86	84
6	76	70	68	63	57	44	40	71	110	147	179	206	218	231	249	248	236	232	228	224	211	206	200	193
7	182	177	167	170	170	168	162	163	168	163	143	175	192	200	211	210	203	210	193	167	142	144	137	140
8	133	115	117	120	107	95	100	106	111	126	138	142	120	115	112	114	115	104	101	99	89	87	79	79
9	77	69	75	76	69	73	69	72	89	97	98	104	106	107	107	104	111	118	121	128	127	128	115	115
10	107	114	119	113	107	86	95	92	108	115	120	135	137	134	143	143	142	137	133	117	107	110	90	80
11	68	42	58	46	49	57	53	66	97	121	140	154	158	155	152	149	142	138	128	120	120	120	115	112
12	113	115	114	114	101	105	104	103	109	115	121	130	139	154	134	139	123	106	107	102	97	97	99	93
13	92	86	87	87	88	89	85	85	87	102	102	103	111	118	113	116	116	102	105	100	96	87	90	90
14	94	93	90	89	81	86	93	88	96	110	118	126	136	131	126	124	130	122	107	93	74	59	48	54
15	43	25	19	32	20	22	20	30	68	105	127	135	139	156	160	174	174	174	156	134	115	109	86	89
16	78	67	59	57	51	51	49	59	90	120	149	175	200	211	211	212	206	200	170	143	125	112	117	142
17	129	113	106	96	93	88	95	100	127	140	169	198	213	233	244	253	250	246	230	215	207	199	188	186
18	170	155	148	129	114	109	93	104	139	150	160	175	188	198	183	191	181	167	150	142	132	111	98	83
19	83	72	61	61	62	48	38	36	53	65	79	92	87	104	106	110	99	95	79	49	29	15	11	-19
20	-29	-33	-28	-17	-31	-32	-26	-18	25	61	79	97	106	112	118	133	142	137	119	99	85	91	96	91
21	96	97	93	96	97	90	83	91	119	146	183	215	232	241	240	237	236	222	191	146	121	109	107	91
22	84	69	72	58	69	85	102	118	127	144	155	169	197	216	237	223	235	219	198	180	149	124	97	62
23	71	105	85	44	23	24	28	16	75	120	138	148	163	164	169	175	172	159	142	106	88	88	76	74
24	72	61	68	82	74	70	71	81	101	126	159	181	198	214	221	228	228	226	215	198	188	175	167	137
25	144	143	123	82	87	84	73	72	96	129	142	154	164	177	179	174	181	170	152	125	113	102	103	111
26	98	90	90	90	99	99	98	95	96	97	100	100	108	128	133	105	121	100	96	74	69	75	70	66
27	54	46	41	36	34	22	24	39	52	78	103	125	133	129	137	119	133	121	93	98	78	82	72	70
28	63	73	72	66	64	58	65	58	65	74	97	90	102	123	132	134	137	118	92	72	41	43	45	50
29	30	30	18	16	12	-13	-9	-3	26	47	79	92	107	111	121	119	120	117	117	118	100	89	85	82
30	79	77	72	62	62	68	68	69	61	57	52	50	53	61	62	59	57	51	42	38	34	31	30	30

NOTE/AVIS:

1. Unit = 0.1 C

1. Unite = 0.1 C

WINNIPEG INTLA (YWG) MONTH/MOIS: September/septembre 1999

PRECIPITATION OCCURRENCES / EVENEMENT DES PRECIPITATIONS

HOUR / 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	
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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 INTLA (YWG) MONTH/MOIS: September/septembre 1999

		WINDS (km/h)													DES VENTS (km/h)													Pk	Hour					
Hour	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	24	Gust	Heur	Rafale					
	1	NW	W	W	WSW	S	SW	W	W	WNW	WNW	NW	WNW	NW	W	WSW	SSW	W	WNW	NW	NW	WNW	WNW	NW	WNW	WNW	WNW	7	7	7	7	7		
	2	NNW	NNE	NNE	NNE	NNE	NNE	NNE	C	E	NE	NE	NNE	NE	NNE	NNE	NNE	N	NNE	NNE	N	N	NNE	N	NNE	N	NNE	15	15	15	15	35	1500	
	3	N	N	N	N	NNE	N	NNE	NNE	NNE	NE	NE	NE	NE	NE	NE	NE	NNE	NNE	NNE	N	N	N	N	NW	NW	NNW	11	11	7	9	33	1500	
	4	NNE	NNW	N	NNE	NE	NE	NE	NE	NE	NE	NE	NE	NNE	NNE	NNE	NE	NNE	NNE	N	N	N	N	NW	NW	NNW	11	15	17	19				
	5	NW	NW	W	W	W	W	W	WSW	W	W	W	W	W	W	W	W	W	W	WNW	W	W	WSW	WSW	WSW	WSW	W	15	15	15	11	48	1600	
	6	SW	SW	SSW	S	SSW	SSW	S	SSE	S	S	S	S	S	S	S	S	S	S	S	S	S	SSE	S	S	S	S	13	13	13	13	50	1400	
	7	S	S	S	S	S	SW	S	SW	WNW	WNW	ENE	NW	WNW	W	W	WNW	WNW	WNW	W	WSW	WSW	WSW	WNW	W	13	13	13	13	46	1600			
	8	W	W	W	W	W	W	W	W	WNW	WNW	WNW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	WNW	NW	13	13	13	13	56	1500	
	9	NW	NW	W	W	W	WNW	W	WNW	WNW	WNW	WNW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NNW	19	19	17	19	56	1500	
	10	22	17	22	20	28	30	17	19	20	28	30	30	30	26	37	24	33	33	24	26	24	28	15	22	56	2100							
	11	NW	NW	NNW	NNW	NNW	NNW	NNW	NNW	N	N	N	NNW	NW	NNW	NNW	NNW	NNW	NNW	N	C	C	C	C	C	WSW	WSW	NNW	15	15	15	15	200	
	12	WSW	WSW	S	WSW	SSE	C	SSE	ESE	SE	S	S	S	S	S	SSW	SW	SW	SW	S	SSE	SE	SE	SE	SSE	S	11	11	11	11	33	1100		
	13	SE	S	S	S	SSE	S	S	SSE	SSE	SE	S	ESE	NE	NNW	E	NNE	N	NNE	N	N	NNW	NW	NW	NW	N	20	20	19	22	24	37	1800	
	14	NW	NW	NW	NW	NW	NW	NW	NNW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NNW	N	NNW	NW	W	W	17	17	17	17	48	1500
	15	19	17	20	20	17	15	20	20	26	30	32	28	28	20	15	19	19	9	9	13	13	11	13	11	13	54	1500						
	16	W	NNW	W	W	W	W	W	C	C	WSW	SSW	WSW	SW	SW	SW	S	SW	SW	S	S	S	S	S	S	SSW	15	15	15	15				
	17	S	S	S	S	S	S	S	S	S	S	S	S	S	S	SSE	S	SSE	SE	ESE	E	ESE	SE	ESE	SE	SSW	17	17	17	17	35	1400		
	18	SE	SE	SE	SE	ESE	SE	SE	SE	SSE	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	SSW	11	11	11	11	44	1400		
	19	W	WNW	NW	NW	WNW	WNW	W	WNW	WNW	WNW	NW	NW	WNW	NNW	NW	WNW	WNW	NNW	NNW	NW	NW	NW	NW	NW	NNW	15	15	15	15	37	1300		
	20	NW	NNW	N	NNW	N	N	NNW	N	NNW	N	N	N	NNW	N	NNE	N	N	N	N	N	N	N	N	N	NNW	11	11	11	11	46	1100		
	21	NW	NW	W	C	W	WSW	C	W	S	S	WSW	SW	SW	W	WSW	SW	SW	S	S	S	S	S	S	SSW	SSW	15	15	15	15	19			
	22	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	N	NNE	NE	C	C	NW	15	15	15	15	37	1500		
	23	C	S	S	SSW	C	SSE	S	S	SSW	S	SSE	S	S	SSW	WSW	WNW	NNW	NNW	NNW	N	NNE	N	N	NW	NW	15	15	15	15	39	1700		
	24	NNW	N	N	NNW	N	NW	N	NW	N	N	E	NW	NE	N	N	E	E	ESE	SE	SE	SE	SE	SE	SSE	N	11	11	11	11	33	100		
	25	SSE	SSE	SSE	S	S	S	SSE	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	WNW	WNW	S	13	13	13	13	67	1500	
	26	WNW	NW	WNW	W	W	W	W	W	WNW	W	C	SSE	W	C	S	E	C	SE	ESE	NNE	NE	SE	ESE	NNW	11	11	11	11	37	100			
	27	NNE	NNE	NW	W	NW	NNE	N	N	N	N	N	N	WNW	NNW	ENE	W	E	WSW	WSW	WSW	WSW	WSW	WSW	WSW	NNW	11	11	11	11	37	1100		
	28	W	W	W	W	W	W	W	W	NW	NNW	NNW	NNW	NNW	NNW	WSW	W	WNW	WNW	WSW	NW	WSW	WSW	WSW	WSW	WSW	11	11	11	11	7			
	29	W	WNW	NW	NW	W	NW	W	W	WNW	NW	NW	WNW	WNW	WNW	NW	WNW	WNW	S	NNE	WNW	W	WSW	WSW	WSW	11	11	11	11	39	1800			
	30	9	11	13	6	7	9	9	7	9	13	15	15	11	15	13	15	11	6	11	11	11	11	11	11	11	11	11	11	11	46	1700		
	31	WSW	WSW	W	W	W	WNW	WNW	NW	WNW	WNW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	13	13	13	13	80	1300		

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	W	NNE	NNE	NE	W	S	WNW	NW	NW	NNW	S	S	NW	NW	W	S	S	WNW	N	SW	SSW	S	N	S	W	N	W	WNW	S	NW	
avgV	10	16	16	17	21	19	18	24	25	15	11	14	25	19	10	15	19	16	22	10	18	12	10	28	8	14	11	11	18	40	
dir2																				W											

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