

MONTHLY METEOROLOGICAL SUMMARY
 SOMMAIRE MÉTÉOROLOGIQUE MENSUEL

September 1996

WINNIPEG INT'L AIRPORT

Septembre 1996

LAT 49° 54N LONG 97° 17W			ALTITUDE 240 ÉLÉVATION 240			MÈTRES (ASL) MÈTRES (NNM)			STANDARD TIME USED: HEURE NORMALE UTILISÉE:				CENTRAL CENTRALE						
DATE	TEMPERATURE TEMPÉRATURE			DEGREE DAYS DEGRÉS-JOURS			REL. HUMIDITY HUMIDITÉ REL.		ORAGE THUNDERSTORM	PRECIPITATION PRÉCIPITATIONS			NEIGE AU SOL SNOW ON GROUND	WINDS VENTS				INSULATION EFFECTIVE BRIGHT-SUNSHINE HEURES HOURS	
	MAXIMALE MAXIMUM	MINIMUM	MOYENNE MEAN	DE CHAUFFE HEATING	DE CROISSANCE GROWING	DE REFRIGÉRATION COOLING	MAXIMALE MAXIMUM	MINIMALE MINIMUM		PLUIE (HAUTEUR) RAINFALL	NEIGE (HAUTEUR) SNOWFALL	PRÉCIP. TOTAL TOTAL PRECIP		VITESSE MOYENNE AVERAGE SPEED	DIRECTION DOMINANTE PREVAILING	DIRECTION	VITESSE MOYENNE MAX SUR 2 MIN & DIRECTION		MAX 2 MIN MEAN SPEED & DIRECTION
	°C	°C	°C	Base 18°	Base 5°C	Base 18°	%	%		mm	cm	mm		cm	km/h		km/h		
1	26.5	15.4	21.0		16.0	3.0	100	66	1	10.4		10.4		23.4	S	S	41	5.9	
2	27.2	12.6	19.9		14.9	1.9	100	33						10.8	WSW	W	20	12.3	
3	25.4	10.2	17.8	0.2	12.8		92	36						12.2	W	NW	19	10.9	
4	20.7	6.3	13.5	4.5	8.5		98	56	1	4.6		4.6		10.4	W	NE	26	8.0	
5	26.5	13.8	20.2		15.2	2.2	100	70	1	2.6		2.6		24.7	E	NNW	46	0.2	
6	25.4	11.5	18.5		13.5	0.5	97	67						17.5	W	S	37	2.3	
7	23.9	7.2	15.6	2.4	10.6		97	35						11.8	S	S	19	10.0	
8	26.7	13.1	19.9		14.9	1.9	82	32						18.8	S	S	35	9.8	
9	24.4	12.9	18.7		13.7	0.7	96	52	1	3.6		3.6		10.6	SE	SE	24	10.2	
10	17.0	8.0	12.5	5.5	7.5		98	56	1					20.2	NNW	NW	37	9.4	
11	15.5	7.8	11.7	6.3	6.7		96	75		TR		TR		23.8	N	N	33	1.4	
12	15.1	7.5	11.3	6.7	6.3		100	71						7.7	E	NE	13	0.0	
13	19.1	3.4	11.3	6.7	6.3		99	34						12.7	ESE	ESE	24	11.7	
14	18.0	2.3	10.2	7.8	5.2		89	39						10.5	ESE	E	15	11.9	
15	20.5	1.6	11.1	6.9	6.1		98	40						12.0	E	E	20	11.6	
16	17.2	3.3	10.3	7.7	5.3		96	58						15.7	SE	SE	28	3.8	
17	20.9	8.8	14.9	3.1	9.9		97	50						20.5	SE	SE	30	11.6	
18	22.6	4.8	13.7	4.3	8.7		100	42						15.1	ESE	ESE	26	10.9	
19	23.1	9.7	16.4	1.6	11.4		89	39						17.7	SSE	SSE	30	10.1	
20	20.0	7.6	13.8	4.2	8.8		95	50		4.0		4.0		16.8	E	ESE	28	4.3	
21	15.6	11.0	13.3	4.7	8.3		100	88		5.0		5.0		10.4	E	E	15	0.1	
22	15.7	9.2	12.5	5.5	7.5		100	83		1.6		1.6		9.2	SW	ESE	13	0.1	
23	16.6	5.1	10.9	7.1	5.9		96	46		1.8		1.8		15.3	W	WNW	28	4.6	
24	13.9	1.1	7.5	10.5	2.5		90	43		0.6		0.6		12.8	W	SSW	19	5.2	
25	17.7	5.1	11.4	6.6	6.4		76	40						13.8	S	S	22	5.7	
26	9.9	5.3	7.6	10.4	2.6		99	69		11.8		11.8		20.1	NE	NE	30	0.0	
27	11.2	5.3	8.3	9.7	3.3		100	87		1.4		1.4		20.7	N	NNW	28	0.0	
28	11.0	-0.1	5.5	12.5	0.5		95	54						22.2	NW	NW	39	6.1	
29	9.7	-0.2	4.8	13.2			94	30		0.4		0.4		16.2	W	W	31	7.6	
30	10.7	3.8	7.3	10.7	2.3		98	60		1.4		1.4		8.2	S	SSE	22	1.7	
	MEAN 18.9 MOY.	MEAN 7.1 MOY.	MEAN 13.0 MOY.	TOTAL 158.8	TOTAL 241.6	TOTAL 10.2	MEAN 95 MOY.	MEAN 53 MOY.	TOTAL 5	TOTAL 49.8	TOTAL 0.0	TOTAL 49.8		MEAN 15.4 MOY.	PREVAILING W DOMINANTE	MAXIMUM NNW MAXIMALE	TOTAL 46	TOTAL 187.4	
NORMAL NORMALE	18.6	6.1	12.4	178.6	224.0	9.2				50.9	0.4	51.3		18.0	SSE			189.3	
DEGREE DAY SUMMARY/SOMMAIRE DE DEGRÉS-JOURS										DAYS WITH TOTAL PRECIPITATION: JOURS AVEC PRÉCIPITATIONS TOTALES:					DAYS WITH SNOWFALL: JOURS AVEC CHÔTES 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	mm					cm						
								0.5 OR MORE	1.0 OR MORE	2.0 OR MORE	10.0 OR MORE	50.0 OR MORE	0.2 OR MORE	1.0 OR MORE	2.0 OR MORE	10.0 OR MORE	50.0 OR MORE		
TOTAL FOR MONTH TOTAL DU MOIS	158.8	176.3	178.6		241.6	226.9	224.0	OU PLUS	OU PLUS	OU PLUS	OU PLUS	OU PLUS	OU PLUS	OU PLUS	OU PLUS	OU PLUS	OU PLUS		
ACCUMULATED SINCE JULY 1 ACCUMULÉS DEPUIS LE 1ER JUILLET	192.2	199.5	242.8	ACCUMULATED SINCE APRIL 1 ACCUMULÉS DEPUIS LE 1ER AVRIL	1673.4	1145.9	1721.1	15	11	7	2								

1. Climatological Day/Journée climatologique
 2. Normal/Normale 1961-1990
 3. TR = Trace
 4. M = Missing/Manquant
 5. No entry/Pas de valeur = No occurrence/Pas d'événement
 6. C = Calm/Calm

Hour ->	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean	
D 1	219	214	212	203	199	195	191	198	211	223	236	251	263	249	177	175	173	186	183	183	181	164	169	168	201	
A 2	168	165	164	149	139	135	132	144	162	190	207	224	244	254	267	272	271	258	236	203	203	167	174	167	196	
T 3	173	160	152	141	149	140	117	148	168	188	210	232	235	249	249	242	241	241	214	174	153	142	114	106	181	
E 4	108	88	80	84	79	66	75	98	128	153	167	178	191	199	205	200	201	192	164	164	165	162	154	147	144	
5	147	161	156	141	141	144	142	139	144	153	163	174	182	192	209	212	208	219	218	219	237	263	260	256	187	
6	253	240	234	218	196	191	183	181	195	195	190	194	196	193	169	172	177	176	172	162	159	142	135	129	186	
7	119	113	99	99	100	91	75	80	112	153	188	206	223	228	230	236	232	228	210	169	168	160	158	149	159	
8	141	133	134	135	134	134	135	141	152	192	213	222	247	255	258	263	259	240	210	176	175	168	177	170	186	
9	168	167	156	156	155	158	139	149	174	191	198	212	219	226	232	236	238	237	223	209	196	177	179	170	190	
10	169	156	149	139	134	127	122	116	124	130	137	148	156	159	163	164	159	150	138	129	119	115	105	85	137	
11	82	94	97	101	97	101	98	98	104	106	119	138	140	146	152	151	139	140	140	135	132	128	126	118	120	
12	115	114	93	96	110	112	113	115	124	130	139	142	144	149	145	147	144	139	132	131	127	124	93	96	124	
13	78	76	65	72	57	42	40	74	101	122	142	160	175	177	183	187	185	181	165	129	132	125	111	93	120	
14	69	63	66	55	49	48	37	51	94	121	135	154	155	163	169	173	179	174	160	114	97	109	96	83	109	
15	87	81	71	46	34	19	28	47	102	135	158	173	185	187	194	203	201	197	180	160	123	140	127	103	124	
16	96	66	54	51	47	41	67	102	124	133	155	158	157	164	163	164	164	163	163	156	149	148	144	141	124	
17	122	115	107	107	100	97	90	102	120	142	153	165	172	188	198	202	195	191	176	161	147	135	129	118	143	
18	108	98	89	91	69	57	57	74	114	138	163	187	201	212	218	223	221	215	196	176	170	160	145	128	146	
19	122	122	114	114	104	105	99	102	123	142	164	195	212	218	219	226	226	213	190	184	170	165	163	147	160	
20	140	122	100	93	100	96	94	105	125	150	163	182	176	172	178	191	182	156	135	134	132	139	131	129	139	
21	130	129	127	126	128	126	128	126	130	134	141	149	149	152	146	148	146	152	142	139	134	127	110	117	135	
22	117	124	125	125	123	120	114	119	125	128	133	139	149	149	147	149	156	141	138	128	114	104	96	98	128	
23	95	91	86	81	72	77	89	88	100	91	106	114	128	139	151	160	163	153	117	74	83	72	71	65	103	
24	57	56	51	34	36	26	24	32	49	74	83	90	104	118	121	133	137	132	101	90	90	88	92	79	79	
25	74	76	65	64	53	57	57	57	62	71	99	116	136	148	167	166	168	160	138	119	135	113	108	101	105	
26	87	82	77	72	70	57	65	71	81	87	84	89	94	97	98	98	97	90	92	91	90	90	90	89	85	
27	86	86	86	87	89	89	92	90	90	91	90	91	94	102	103	103	107	107	102	92	85	73	53	53	89	
28	62	68	76	86	96	77	68	72	79	83	84	93	97	104	99	94	84	86	84	72	53	13	6	24	38	
29	41	33	34	33	25	13	-1	12	17	37	53	56	58	77	89	92	89	79	63	57	54	62	64	62	50	
30	55	49	48	42	44	44	44	44	50	60	70	86	99	100	99	97	96	86	75	69	67	66	62	60	67	
Mean	116	111	106	101	98	93	90	99	116	131	145	157	166	172	173	176	175	169	155	139	133	128	122	116	133	
Moyenne																										

*Temperatures In Tenths of Degrees Celsius
 *Temperatures En Dixieme Degres Celsius

Hourly Relative Humidity at:
Humidite Horaire a:

Winnipeg Int'l Airport

Hour ->	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Mean	
D 1	72	77	79	84	86	88	90	89	83	79	76	70	66	69	96	94	97	91	94	96	97	99	100	100	86	
A 2	99	100	100	100	100	100	100	100	98	90	78	67	58	48	43	44	33	37	50	59	53	66	66	69	73	
T 3	63	69	72	75	70	72	88	71	66	59	55	45	44	39	36	40	41	41	51	61	72	74	87	92	62	
E 4	89	96	97	95	98	98	98	96	88	75	70	65	60	58	57	56	56	63	83	76	72	71	77	85	78	
5	91	86	88	100	97	94	97	99	99	98	97	95	94	92	89	90	93	91	92	93	88	71	70	72	91	
6	73	81	83	91	97	94	92	91	85	78	84	79	78	67	78	81	78	74	87	87	86	92	90	86	83	
7	86	86	92	90	88	89	97	96	90	70	55	47	41	37	36	35	35	36	46	61	59	58	58	65	65	
8	68	71	69	69	71	70	71	70	69	56	49	46	42	38	34	32	37	48	56	70	73	82	77	82	60	
9	84	85	92	91	87	83	96	88	72	70	66	63	60	59	56	52	52	53	58	64	73	91	85	89	74	
10	82	94	90	92	94	97	98	93	93	80	75	72	67	59	56	57	57	57	65	70	76	80	85	93	78	
11	96	95	93	91	93	87	88	87	86	84	82	75	75	75	75	75	84	83	83	85	85	86	88	88	85	
12	94	95	98	100	99	95	93	93	88	82	78	76	74	72	73	74	71	76	81	80	83	84	92	94	85	
13	97	97	97	96	96	99	98	94	77	68	65	54	46	40	36	37	34	36	47	56	56	52	60	68	67	
14	79	80	80	84	86	86	88	89	71	61	55	48	44	45	40	40	39	41	42	58	70	70	76	79	65	
15	76	81	86	92	97	97	98	98	78	67	60	50	40	42	44	42	43	47	54	62	77	69	69	76	69	
16	79	89	95	94	95	94	96	84	74	70	58	61	61	60	62	61	64	66	68	73	77	76	78	78	76	
17	87	89	92	90	93	95	97	92	82	73	71	66	62	57	54	50	53	55	61	65	72	77	81	86	75	
18	90	93	95	96	100	100	100	100	89	80	74	56	53	46	44	43	42	44	49	55	59	62	64	74	71	
19	78	78	81	80	85	86	89	89	81	68	68	56	48	44	42	39	39	43	52	58	63	65	63	71	66	
20	73	79	88	90	83	79	81	80	75	66	63	57	57	57	54	50	54	72	92	93	95	89	95	95	76	
21	95	94	95	95	95	96	95	99	98	96	94	89	88	88	88	93	91	88	95	93	95	100	100	100	94	
22	100	100	99	100	99	99	100	99	97	97	95	92	88	88	91	92	83	94	94	92	91	90	91	90	94	
23	90	87	87	91	94	95	90	95	91	96	94	87	76	73	61	51	51	46	56	74	66	70	72	78	78	
24	75	74	76	81	81	90	90	85	80	85	83	80	73	64	50	46	43	44	54	65	60	68	59	65	70	
25	72	67	73	71	75	74	75	76	75	75	68	59	57	54	44	44	40	48	58	62	50	57	59	62	62	
26	69	75	77	81	82	91	88	85	80	86	97	98	99	99	97	96	94	96	97	97	97	95	96	97	90	
27	99	99	100	99	97	97	97	99	100	99	98	98	98	96	92	89	88	87	91	94	90	92	96	94	95	
28	95	93	93	95	87	89	91	89	86	81	72	69	69	66	58	57	56	54	65	80	85	82	77	77	77	
29	73	77	76	81	81	90	91	94	94	85	68	51	48	44	36	32	30	36	53	57	59	51	50	53	63	
30	60	67	73	81	86	89	90	92	87	79	76	69	63	62	61	67	67	83	95	98	97	96	96	96	80	
Mean	83	85	87	89	90	90	92	90	84	79	74	68	64	61	60	59	58	61	68	74	76	77	79	82	76	
Moyenne																										

Note/avis: 1. Climatological Day/Journee 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 = percent/pour cent

DAILY WEATHER SUMMARY FOR SEPTEMBER, 1996 AT WINNIPEG, MANITOBA

1. Variable cloudiness, with thunder and showers late afternoon. Temperatures above normal. Winds moderate with strong gusts, occasionally strong with gusts to gale force during storm, decreasing to light early evening.
2. Sunny. Maximum temperature above normal, minimum slightly above normal. Winds light.
3. Mainly sunny. Maximum temperature slightly above normal, minimum near normal. Winds light.
4. Mainly sunny. Maximum temperature near normal, minimum slightly below normal. Winds light, increasing to moderate late evening.
5. Thunder and showers overnight, ending near mid morning. Few showers in the afternoon, clearing early evening. Temperatures above normal. Winds moderate to strong with gusts to gale force.
6. Mainly cloudy with showers mid afternoon. Maximum temperature above normal, minimum slightly above normal. Winds decreasing to light overnight and remaining light except for a period of moderate mid morning to early afternoon.
7. Sunny. Maximum temperature slightly above normal, minimum near normal. Winds light.
8. Mainly sunny, late night showers. Temperatures above normal. Winds increasing overnight to moderate with occasional strong gusts, decreasing to light early afternoon.
9. Sunny with late evening showers with thunder. Temperatures above normal. Winds light.
10. Showers ending overnight, mainly sunny through the day. Maximum temperature slightly below normal, minimum near normal. Winds light increasing to be moderate with gusts late morning, decreasing to light early evening.
11. Cloudy to overcast, with late afternoon drizzle. Maximum temperature slightly below normal, minimum near normal. Winds increasing overnight to moderate with gusts, decreasing to light early evening.
12. Overcast. Maximum temperature slightly below normal, minimum near normal. Winds light.
13. Sunny. Maximum temperature near normal, minimum slightly below normal. Winds light.
14. Sunny. Maximum temperature near normal, minimum below normal. Winds light.
15. Sunny. Maximum temperatures slightly above normal, minimum slightly normal. Winds light.
16. Mainly cloudy. Maximum temperature near normal, minimum slightly below normal. Winds light with periods of moderate near noon, increasing to moderate late evening.
17. Sunny. Maximum temperature slightly above normal, minimum near normal. Winds light increasing to moderate with gusts mid morning, decreasing to light early evening.
18. Sunny. Maximum temperature above normal, minimum near normal. Winds light, occasionally moderate in the afternoon.
19. Sunny. Temperatures above normal. Winds light, except for a period of moderate from early to mid afternoon.
20. Variable cloudiness, showers beginning early evening. Temperatures slightly above normal. Winds light, except for a period of moderate mid to late afternoon.
21. Overcast with drizzle and showers early to mid morning and mid afternoon to mid evening. Maximum temperature near normal, minimum above normal. Winds light.
22. Broken to overcast, with showers late afternoon. Maximum temperature near normal, minimum above normal. Winds light.
23. Variable cloudiness, with showers mid morning. Temperatures near normal. Winds light, except for a period of moderate mid afternoon.
24. Variable cloudiness, with showers late morning. Temperatures slightly below normal. Winds light.
25. Variable cloudiness. Temperatures near normal. Winds light.
26. Becoming overcast with rain beginning by mid morning. Maximum temperature below normal, minimum near normal. Winds light increasing to moderate with occasional gusts, by early afternoon.
27. Overcast with rain and drizzle, clearing mid evening. Maximum temperature below normal, minimum near normal. Winds light to moderate, with period of moderate with gusts noon to late afternoon. Winds decreasing to light early evening.
28. Variable cloudiness. Maximum temperature below normal minimum slightly below normal. Winds increasing to moderate overnight, and increasing again to moderate with occasional strong gusts early afternoon. Winds decreasing to light mid evening.
29. Variable cloudiness. Maximum temperature below normal, minimum slightly below normal. Winds light, increasing to moderate with occasional strong gusts early afternoon, decreasing to light early evening.
30. Some sun from late morning to early afternoon, otherwise overcast with showers early morning and early to late evening. Maximum temperature below normal, minimum near normal. Winds light.