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MONTHLY METEOROLOGICAL SUMMARY SOMMAIRE MÉTÉOROLOGIQUE MENSUEL

MONTH/MOIS SEPTEMBER / SEPTEMBRE

1978

AT/À WINNIPEG INTERNATIONAL AIRPORT / A L'AÉROPORT INTERN. DE WINNIPEG, MAN.

LAT: 49° 54N		LONG: 97° 14 W		ELEVATION: ALTITUDE:		METRES (ASL) 239.6 MÈTRES (NNM)		STANDARD TIME USED: HEURE NORMALE UTILISÉE:		CENTRAL						
DATE	TEMPERATURE TEMPÉRATURE			DEGREE-DAYS DEGRÉS-JOURS		REL. HUMIDITY HUMIDITÉ REL.		THUNDERSTORM ORAGE	PRECIPITATION PRÉCIPITATIONS			SNOW ON GROUND NEIGE AU SOL	AVERAGE WIND SPEED VITESSE MOYENNE	WIND VENT		BRIGHT SUNSHINE INSOLATION EFFECTIVE
	MAXIMUM MAXIMALE	MINIMUM MINIMALE	MEAN MOYENNE	HEATING DE CHAUFFE	GROWING DE CROISSANCE	MAXIMUM MAXIMALE	MINIMUM MINIMALE		RAINFALL PLUIE (HAUTEUR)	SNOWFALL NEIGE (HAUTEUR)	TOTAL PRECIP. PRÉCIP. TOTALE			PREVAILING DIRECTION DOMINANTE	MAXIMUM SPEED AND DIRECTION VITESSE MAXIMALE ET DIRECTION	
	°C	°C	°C	BASE 18.0°C	BASE 5.0°C	%	%	mm	cm	mm	cm	km/h		km/h	HOURS HEURES	
1	29.3	16.8	23.1	0.0	18.1	92	38			1.8			18.2	WNW	WNW 31	12.1
2	23.8	12.0	17.9	0.1	12.9	100	51						16.2	NNW	NNW 26*	9.1
3	35.2	11.1	23.2	0.0	18.2	91	25						16.7	S	S 26*	11.4
4	31.3	18.7	25.0	0.0	20.0	87	43	1	0.2	0.2			11.1	SE	ESE 20*	4.7
5	36.2	14.1	25.2	0.0	20.2	98	78						11.0	calm	NE 46	9.5
6	21.4	13.6	17.5	0.5	12.5	98	60		Tr.	Tr.			31.0	NE	ENE 43	7.0
7	23.4	11.7	17.6	0.4	12.6	87	59						22.0	ENE	ENE 33	6.8
8	22.8	15.5	19.2	0.0	14.2	94	63		Tr.	Tr.			30.6	SE, ESE	SE 46	5.7
9	27.2	13.0	20.1	0.0	15.1	96	21						13.5	WNW	WNW 22	11.5
10	31.0	11.0	21.0	0.0	16.0	86	21						15.4	S	S 26*	10.1
11	18.5	11.5	15.0	3.0	10.0	91	61						32.7	E	ESE 46	2.0
12	11.6	7.2	9.4	8.6	4.4	95	63		55.0	55.0			25.8	ESE	E 54	0.0
13	12.4	6.9	9.7	8.3	4.7	100	85		5.6	5.6			20.0	SE	SE 33	0.0
14	15.0	9.9	12.5	5.5	7.5	100	80		4.7	4.7			14.6	NW	NW 30*	0.6
15	16.3	7.4	11.9	6.1	6.9	93	47						15.1	W	SE 28	9.8
16	19.8	9.4	14.6	3.4	9.6	95	39		7.0	7.0			20.0	SE	SE 30	7.2
17	19.3	6.4	12.9	5.1	7.9	81	35		Tr.	Tr.			19.0	S, SW	S 31	8.8
18	16.7	11.0	13.9	4.1	8.9	96	58		1.4	1.4			14.2	ESE	ESE 28*	0.2
19	14.9	5.6	10.3	7.7	5.3	96	67		1.8	1.8			22.0	W	SW 31*	2.9
20	14.7	2.9	8.8	9.2	3.8	94	49						13.3	W	WNW 20	8.7
21	16.7	1.8	9.3	8.7	4.3	94	34						9.4	S, calm	W S 24	11.3
22	21.9	6.1	14.0	4.0	9.0	79	32						24.7	S	S 39	8.1
23	22.4	8.0	15.2	2.8	10.2	77	27						14.2	SSW, WSW, NW	WNW 26	9.0
24	16.0	3.2	9.6	8.4	4.6	88	36						12.0	NNW	NNW 26*	10.7
25	20.2	7.5	13.9	4.1	8.9	79	34						24.2	S	S 54	7.8
26	13.9	2.3	8.1	9.9	3.1	95	60		1.4	1.4			14.0	NW	N 24	2.5
27	17.4	2.3	9.9	8.1	4.9	91	31						13.4	W	W 22	10.4
28	11.1	3.8	7.5	10.5	2.5	93	60		3.5	3.5			14.0	E, SSW, S	E 28	0.0
29	14.4	5.3	9.9	8.1	4.9	93	56		0.2	0.2			15.9	N	NNE 24*	4.5
30	22.5	2.5	12.5	5.5	7.5	97	35						10.2	W, SSW	WNW 24	10.0
31																
MEAN MOYENNE	20.6	8.6	14.6	TOTAL 132.1	TOTAL 288.7	92	48	TOTAL 2	TOTAL 82.6	TOTAL 82.6			17.8	PREVAILING DOMINANTE S	MAXIMUM \$ 54	TOTAL 202.4
NORMAL NORMALE	18.4	6.6	12.6	174.8	229.8			2.2	52.6	.3	82.6		18.8	S	55	182.6

DEGREE-DAY SUMMARY - SOMMAIRE DE DEGRÉS-JOURS

DAYS WITH TOTAL PRECIPITATION:
JOURS AVEC PRÉCIPITATIONS
TOTALES:

DAYS WITH SNOWFALL:
JOURS AVEC CHÔTE 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				
								0.2 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	132.1	170.5	174.8	TOTAL FOR MONTH TOTAL DU MOIS	288.7	220.5	229.8	11	9	5	1	1	0	0	0	0	0
ACCUMULATED SINCE JULY 1 ACCUMULÉE DEPUIS LE 1 ^{ER} JUILLET	227.8	295.5	233.2	ACCUMULATED SINCE APRIL 1 ACCUMULÉE DEPUIS LE 1 ^{ER} AVRIL	1779.6	1827.3	1692.2										

UDC 551.506.1 () *Indicates more than one occurrence of same speed but not necessarily the same direction. Subscription Price: \$1.00 monthly; \$10.00 per calendar year (January to December) / Prix d'abonnement: mensuel \$1.00; annuel \$10.00 (janvier à décembre)

September 4 - Tornado reported near Sioux Narrows late afternoon.

NOTE: Our new address; Atmospheric Env. Service- 10th Floor, 266 Graham Avenue
Weather Office Winnipeg, Manitoba R3C 3V4

COMPARATIVE RECORDS RELEVÉS COMPARATIFS		MONTH MOIS		SEPTEMBER / SEPTEMBRE		19 78									
Temperature/Température Precipitation/Précipitation Rainfall/Hauteur de pluie Snowfall/Hauteur de neige Wind speed/Vitesse du vent Station pressure/Pression à la station	° Celsius — Millimètres (mm) — Millimètres (mm) — Centimètres (cm) — Kilomètres/par heure (km/h) — Kilopascals (kPa)	THIS MONTH CE MOIS-CI		PREVIOUS YEAR ANNÉE PRÉCÉDENTE		NORMAL NORMALE	RECORD FOR THE MONTH RECORD POUR LE MOIS						YEARS OF RECORD ANNÉES D'OBSERVATIONS		
		VALUE RELEVÉ	DATE	VALUE RELEVÉ	DATE		HIGHEST MAXIMUM ABSOLU			LOWEST MINIMUM ABSOLU					
							VALUE RELEVÉ	DAY JOUR	YEAR ANNÉE	VALUE RELEVÉ	DAY JOUR	YEAR ANNÉE			
HIGHEST TEMPERATURE TEMPÉRATURE LA PLUS ÉLEVÉE		36.2	5	25.4	14, 15	30.0	37.2	1	1929	21.7	1	1884	107		
LOWEST TEMPERATURE TEMPÉRATURE LA PLUS BASSE		1.8	21	0.1	30	-2.2	2.8	20, 27, 28	1906 1948 1968	-8.3	29	1889	107		
MEAN MONTHLY TEMPERATURE TEMPÉRATURE MENSUELLE MOYENNE		14.6		12.4		12.6	16.8		1948	8.0		1965	107		
TOTAL MONTHLY RAINFALL HAUTEUR TOTALE MENSUELLE DE PLUIE		82.6		148.2		52.6	149.6		1941	1.3		1948	107		
TOTAL MONTHLY SNOWFALL HAUTEUR TOTALE MENSUELLE DE NEIGE						.3	18.3		1872	N11		several	1107		
TOTAL MONTHLY PRECIPITATION PRÉCIPITATION TOTALE MENSUELLE		82.6		148.2		52.6	156.2		1872	1.3		1948	107		
NO OF DAYS WITH MEASURABLE PRECIPITATION NOMBRE DE JOURS AVEC PRÉCIPITATION MESURABLE		11		15		10	17		1941 1953 1972	3		1897 1948	95		
GREATEST RAINFALL IN ONE DAY HAUTEUR DE PLUIE MAXIMALE EN UNE JOURNÉE		55.0	12	52.6	8		81.5	6	1886				107		
GREATEST SNOWFALL IN ONE DAY HAUTEUR DE NEIGE MAXIMALE EN UNE JOURNÉE							18.3	25	1872				107		
GREATEST PRECIPITATION IN ONE DAY PRÉCIPITATION MAXIMALE EN UNE JOURNÉE		55.0	12	52.6	8		81.5	6	1886				107		
MAXIMUM RAINFALL RECORDED IN: HAUTEUR DE PLUIE MAXIMALE ENREGISTRÉE EN:															
5 MINUTES		1.9	12	4.1	8		12.4	20	1970				20		
10 MINUTES		2.3	12	7.9	8		23.4	20	1970				20		
15 MINUTES		3.3	12	10.7	8		29.7	20	1970				20		
30 MINUTES		4.7	12	17.8	8		44.2	20	1970				20		
60 MINUTES		8.5	12	20.1	8		47.8	20	1970				20		
24 CONSECUTIVE HOURS HEURES CONSECUTIVES		57.8	12-13	59.1	8-9		81.5	6	1886				107		
MEAN WIND SPEED (km/h) VITESSE MOYENNE DU VENT (km/h)		17.8		16.1		18.8	24.6		1943	13.2		1925	58		
MAXIMUM SPEED (1 min.) (km/h) VITESSE MAXIMALE (1 min.) (km/h)		E 54 S 54	12 25	NNW52	9	55	N72	23	1942				40		
MAXIMUM GUST SPEED (km/h) POINTE DU VENT MAXIMALE (km/h)		E 80	11	NNW80	9	78	S105	16	1946				34		
TOTAL HOURS OF SUNSHINE TOTAL DES HEURES INSOLATION		202.4		136.3		182.6	251.9		1940	113.0		1912	79		
MEAN STATION PRESSURE (kPa) PRESSION MOYENNE À LA STATION (kPa)		98.34		98.44		98.52	98.87		1940	98.25		1970	40		
GREATEST STATION PRESSURE (kPa) PRESSION MAXIMALE À LA STATION (kPa)		1000	6 24	99.43	2	100.06	101.11	25	1940				40		
LEAST STATION PRESSURE (kPa) PRESSION MINIMALE À LA STATION (kPa)		970	9 19	96.43	9	96.69				95.64	26	1959	40		
CLIMATOLOGICAL DATA FOR THE PAST DONNÉES CLIMATOLOGIQUES POUR LES												TEN / DIX		YEARS DERNIÈRE ANNÉES	
YEAR ANNÉE	MAXIMUM TEMP. MAXIMALE	MINIMUM TEMP. MINIMALE	MEAN TEMP. MOYENNE	RAINFALL HAUTEUR DE PLUIE	SNOWFALL HAUTEUR DE NEIGE	TOTAL PRECIP. TOTALE	MEAN WINDSPEED VITESSE MOYENNE DES VENTS	MAXIMUM WINDSPEED VITESSE MAXIMALE DES VENTS	HOURS SUNSHINE HEURES INSOLATION	HEATING DEGREES-DAYS DEGRÉS-JOURS DE CHAUFFE	GROWING DEGREES-DAYS DEGRÉS-JOURS DE CROISSANCE				
1969	29.4	-2.8	12.7	61.0		61.0	19.6	S 50	173.8	170.6	238.9				
1970	32.2	-1.7	12.8	112.0		112.0	17.2	W 42	166.9	170.6	238.9				
1971	30.6	-2.2	13.3	49.8		49.8	15.6	S 39	187.0	146.1	255.0				
1972	26.1	-2.8	10.3	60.2	.8	61.2	17.5	WNW45	158.3	228.3	171.7				
1973	25.6	-3.9	12.0	82.0		82.0	18.0	NW 51	206.6	180.6	215.6				
1974	28.9	-4.4	9.8	42.9	2.8	46.0	16.3	NNW58	166.6	240.0	159.4				
1975	27.2	-2.2	10.9	41.8	Tr.	41.8	18.7	NNW51	180.3	213.4	180.5				
1976	34.5	-3.6	13.3	9.9		9.9	18.5	NW 54	227.5	159.8	251.3				
1977	25.4	0.1	12.4	148.2		148.2	16.1	NNW52	136.3	170.5	220.5				
1978	36.2	1.8	14.6	82.6		82.6	17.8	E 54 S 54	202.4	132.1	288.7				

September was warmer and sunnier than usual, but there was also more rain than usual.

Temperatures averaged two degrees warmer than normal with a mean temperature of 14.6 degrees. Extremes ranged from the maximum of 36.2 degrees on September 5 down to 1.8 degrees on September 21.

Rainfall came on 11 days and it totalled 82.6 mm, which is 30 mm more than normal. Sunshine totalled 202.4 hours, which is 19.8 hours more than usual.

DAILY WEATHER SUMMARY FOR SEPTEMBER 1978

AT WINNIPEG, MANITOBA

1. Above normal temperatures. Mostly sunny. Thunder 3:15 a.m. to 4:23 a.m. Showers 3:08 a.m. to 4:23 a.m. Lightning late evening. Mostly light winds but gusty WNW winds in the afternoon.
2. Above normal temperatures. Partly cloudy. Light winds. Lightning in morning. Heavy fog 6:40 a.m. to 7:00 a.m. Visibility reduced.
3. Warm. Record breaking high temperature. Mostly sunny. Light winds except gusty south in morning. Lightning late evening.
4. Warm. Partly cloudy. Light winds except gusty west in the morning. Thunder 4:54 a.m. to 5:45 a.m. Showers 5:24 a.m. to 6:15 a.m. Tornado reported near Sioux Narrows, some damage.
5. Warm. Record breaking high temperature. Mostly sunny. Light fog in morning. Light winds except gusty NNE in late evening.
6. Above normal temperatures. Cloudy clearing late afternoon. Moderate winds. Gustly ENE in the afternoon. Showers 7:47 a.m. to 8:15 a.m.
7. Above normal temperatures. Cloudy clearing late afternoon. Moderate winds. Gustly ENE in the morning.
8. Above normal temperatures. Cloudy clearing in the afternoon. Drizzle 2:20 a.m. to 8:15 a.m. Moderate winds, gusty SE afternoon and evening.
9. Above normal temperatures. Mostly sunny. Light winds. Smoke over city late evening.
10. Warm. Record high temperatures. Sunny. Light winds except gusty SSE winds in afternoon. Lightning in late evening.
11. Above normal temperatures. Mostly cloudy. Moderate winds. Strong gusty east winds in evening. Lightning in the morning.
12. Below normal temperatures. Moderate winds. Gustly ESE wind in morning. Rain-showers sometimes heavy, drizzle; 2:07 a.m. continued. Light fog. Visibility restricted.
13. Below normal temperatures. Cloudy. Rain to 1:43 a.m. Drizzle 4:50 a.m. to 4:20 p.m., 6:45 p.m. to 9:54 p.m. Mostly light winds but gusty SE in morning. Light fog in morning. Visibility restricted.
14. Near normal temperatures. Mostly cloudy. Drizzle 00:25 a.m. to 2:10 a.m. Rain 4:52 a.m. to 11:10 p.m. Drizzle 9:40 p.m. to 10:25 p.m. Heavy fog 3:26 a.m. to 6:19 a.m. Visibility restricted in morning. Mostly light winds but gusty NW wind in the afternoon.
15. Near normal temperatures. Mostly sunny. Light winds but gusty SE in evening.
16. Above normal temperatures. Partly cloudy. Moderate winds. Gustly west wind in the afternoon. Rain 01:21 a.m. to 9:04 a.m.
17. Near normal temperatures. Mostly sunny. Mostly light winds but gusty south wind in the afternoon. Rain 11:10 p.m. continued.
18. Above normal temperatures. Cloudy. Mostly light winds but gusty southeast in the afternoon. Rain to 01:10 a.m., 4:46 p.m. to 5:58 p.m. Drizzle 3:30 p.m. continued.
19. Below normal temperatures. Mostly cloudy. Moderate winds. Gustly SW in the morning. Drizzle to 00:57 a.m., 11:58 a.m. to 2:06 p.m. Rain 00:57 a.m. to 2:10 a.m., 12:48 p.m. to 2:50 p.m. Light fog. Visibility slightly restricted.
20. Below normal temperatures. Light winds. Mostly sunny.
21. Below normal temperatures. Mostly sunny. Light winds.
22. Above normal temperatures. Mostly sunny. Moderate winds. Gustly south wind in the morning and afternoon.
23. Above normal temperatures. Partly cloudy. Light winds but gusty NW in the afternoon.
24. Below normal temperatures. Mostly sunny. Moderate winds. Gustly NW in the afternoon.
25. Above normal temperatures. Partly cloudy. Moderate winds. Gustly south wind in the afternoon.
26. Below normal temperatures. Mostly cloudy. Showers 11:32 a.m. to 12:18 p.m. Mostly light winds but gusty north in afternoon.
27. Near normal temperatures. Mostly sunny. Light winds.
28. Below normal temperatures. Cloudy. Showers 9:57 a.m. to 5:34 p.m., 10:17 p.m. continued. Mostly light winds.
29. Near normal temperatures. Partly cloudy. Rain to 2:20 a.m. Mostly light winds.
30. Above normal temperatures. Mostly sunny. Mostly light winds. Smoke over city in evening.

HOURLY TEMPERATURES AT MINNAPES INTERNATIONAL AIRPORT FOR THE MONTH OF SEPTEMBER 1974

LOCAL STANDARD TIME ALL TEMPERATURES IN DEGREES CELSIUS

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.	18.2	15.8	17.3	15.0	17.5	17.7	16.5	17.5	18.7	20.5	22.0	22.5	23.9	25.6	25.4	27.3	24.2	27.4	26.4	23.9	22.0	20.4	20.4	18.5	18.3
2.	19.2	18.3	18.0	15.6	15.2	13.5	13.5	14.2	16.0	17.4	20.0	19.8	21.6	21.3	22.7	21.3	21.8	20.5	18.9	16.5	14.6	13.0	13.4	12.9	
3.	19.0	11.5	12.0	12.1	12.5	13.2	14.1	15.4	17.0	19.8	23.9	27.0	29.8	32.3	34.6	34.2	34.5	34.1	32.2	29.5	26.5	27.9	25.0	22.4	
4.	27.1	27.1	19.0	20.2	19.5	20.7	22.5	21.7	22.3	24.2	25.2	25.1	27.1	28.2	28.4	30.3	30.5	29.5	28.1	26.4	25.0	24.2	23.0	21.4	
5.	21.0	20.1	18.9	15.5	16.1	15.3	14.1	16.8	18.2	22.5	25.5	27.0	29.8	31.6	33.8	35.4	35.5	35.2	31.5	29.5	27.2	21.5	20.7	19.5	
6.	18.9	17.9	15.6	16.2	16.1	15.3	15.1	15.7	17.0	18.8	18.0	19.2	20.4	20.4	19.8	19.6	19.3	19.0	17.5	16.0	15.5	15.0	14.3	13.8	
7.	13.6	13.5	13.5	12.9	12.1	12.0	12.4	13.1	14.0	15.0	16.4	18.0	19.1	20.9	21.3	22.4	22.5	21.4	21.5	19.0	18.5	17.3	17.3	17.0	
8.	17.0	16.6	16.4	15.8	15.5	15.5	15.5	16.1	16.8	17.2	18.2	19.9	22.5	22.5	21.9	21.8	22.3	21.4	20.8	18.4	18.4	17.3	18.2	18.8	
9.	19.4	20.0	18.5	18.2	15.3	14.3	13.2	13.2	15.5	18.4	20.9	22.5	24.5	25.4	25.5	26.2	26.0	24.8	24.0	23.0	22.0	17.6	15.8	14.4	
10	14.4	14.4	13.7	13.5	13.2	13.1	11.3	12.2	14.5	18.8	23.4	24.3	29.0	30.4	30.1	29.6	29.5	28.0	23.2	23.0	27.4	22.2	19.4	16.7	
11	15.0	13.5	13.7	13.2	13.2	14.5	14.6	14.8	15.3	15.8	16.7	18.4	18.5	16.6	16.5	16.3	16.4	15.2	15.1	13.9	13.1	12.3	12.1	11.8	
12	11.5	11.2	10.7	10.4	10.4	8.2	7.7	7.4	7.3	7.4	7.5	8.0	7.6	8.2	8.0	9.7	9.0	9.0	9.0	9.0	9.0	8.9	8.9	8.9	
13	8.7	7.8	7.3	7.1	7.1	7.0	7.0	7.3	7.0	8.5	9.5	10.1	10.5	10.9	11.3	12.0	12.0	12.0	11.4	11.4	11.3	11.2	11.2	11.0	
14	11.2	11.2	11.3	11.2	11.2	11.2	11.2	11.0	11.4	12.0	12.4	13.1	13.6	13.5	13.5	13.4	13.1	13.5	12.5	12.0	11.2	11.0	10.0	10.0	
15	10.2	9.9	9.5	9.4	8.9	8.0	7.9	8.5	9.8	10.7	12.2	12.5	13.6	13.4	14.4	14.7	14.0	13.7	13.0	11.0	11.2	11.0	10.2	9.5	
16	9.7	10.0	9.4	9.0	9.6	9.5	9.9	10.2	10.5	11.0	13.4	13.8	16.8	16.3	12.3	12.3	12.7	17.4	17.0	13.5	13.5	12.0	11.5	11.5	
17	10.9	10.0	9.0	8.9	6.4	7.8	7.1	7.2	9.3	10.8	14.5	15.5	16.5	16.2	18.2	18.6	18.5	17.2	15.7	13.4	13.3	13.2	12.7	12.5	
18	12.4	12.0	11.6	11.6	11.1	11.0	11.0	11.5	11.5	12.5	15.0	15.5	15.5	16.2	16.0	15.3	13.8	12.5	12.3	12.2	12.0	12.0	12.1	12.2	
19	12.8	13.4	13.5	13.8	14.4	14.7	14.1	9.4	9.9	9.9	11.0	10.0	11.0	11.1	10.0	10.5	11.4	11.5	11.0	10.7	10.3	9.4	7.0	6.3	
20	5.6	5.2	4.0	3.6	3.4	3.2	2.9	3.1	5.4	8.0	10.4	11.4	11.0	13.3	13.5	13.7	13.9	12.0	12.5	8.3	7.3	6.5	5.6	4.9	
21	4.5	3.3	3.0	2.0	2.0	2.0	2.0	1.8	5.5	8.4	11.4	13.4	14.7	15.2	15.8	16.4	16.3	16.1	13.5	10.7	11.1	10.6	10.1	9.3	
22	8.4	7.8	7.5	7.0	6.4	6.4	6.4	6.4	9.5	11.5	15.5	16.7	14.5	20.2	20.9	21.5	21.6	20.7	20.0	17.5	16.0	15.1	15.5	15.5	
23	14.0	13.0	12.7	11.5	12.0	9.8	10.5	10.5	11.2	16.0	17.2	20.0	21.2	21.5	21.6	21.2	21.1	20.6	18.0	12.7	11.6	11.1	8.2	10.9	
24	9.6	7.1	6.7	6.4	6.1	3.8	3.7	3.8	5.2	9.3	11.3	12.0	13.6	14.6	15.2	15.4	15.7	15.0	13.2	9.6	8.5	6.0	4.1	7.7	
25	7.8	7.5	8.0	7.3	8.5	8.7	8.8	8.0	9.5	11.4	13.9	15.7	17.9	18.2	18.7	19.1	19.4	19.6	19.2	17.2	14.9	12.3	12.8	10.6	
26	12.5	10.7	8.2	7.8	6.8	7.0	7.4	8.0	8.6	10.1	11.1	12.0	9.1	9.2	9.6	10.6	11.9	11.6	9.8	7.9	6.1	5.4	3.6	2.4	
27	4.0	6.0	6.2	5.6	4.0	3.4	2.8	2.8	4.7	8.3	10.6	13.4	14.1	15.5	16.2	16.8	17.0	16.7	14.7	11.7	9.4	9.2	8.9	7.6	
28	7.4	7.3	5.8	5.5	5.4	3.9	4.3	5.0	7.6	9.2	9.8	10.1	10.1	9.9	10.2	10.9	10.6	10.0	10.1	10.0	9.7	9.4	9.1	9.1	
29	6.1	9.1	9.0	8.8	8.8	8.7	8.8	8.2	9.0	9.4	10.1	10.9	11.0	13.0	13.0	13.6	13.0	12.8	11.2	8.9	7.9	7.4	6.2	6.8	
30	5.4	4.4	4.0	3.6	2.5	4.4	4.4	4.0	5.0	9.5	14.2	16.2	19.8	20.8	21.3	21.6	21.8	20.8	19.5	14.2	17.2	12.2	12.4	11.2	

MEAN	12.2	11.8	11.2	10.7	10.3	10.1	10.6	10.2	11.4	13.3	15.3	16.6	17.6	18.5	18.9	19.3	19.3	18.7	17.7	15.3	16.1	13.5	12.8	12.2
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HOURLY WINDSPEED TEMPERATURES AT WINDPIPER INTERNATIONAL AIRPORT FOR THE MONTH OF SEPTEMBER 1978
 LOCAL STANDARD TIME

ALL TEMPERATURES IN DEGREES CELSIUS

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.	15.7	16.3	15.9	16.0	16.5	16.5	16.0	16.5	17.1	18.2	18.6	18.6	19.3	20.2	20.2	19.3	19.0	18.0	18.1	17.1	16.4	16.2	15.1	15.1
2.	15.4	14.3	14.0	13.4	13.5	12.8	13.2	14.2	15.6	16.4	17.2	16.4	16.4	16.2	16.7	15.4	16.5	16.0	15.2	14.0	13.0	11.8	12.0	11.5
3.	10.8	10.6	11.1	11.4	11.7	12.4	13.1	14.1	14.8	15.8	17.1	18.2	19.0	19.7	20.4	19.8	20.0	20.3	20.6	20.2	19.5	19.5	20.0	18.4
4.	18.3	18.5	17.0	17.9	17.5	17.7	17.9	18.1	18.3	18.8	19.2	20.3	19.7	20.2	20.6	20.9	21.5	21.5	21.8	21.1	20.9	20.5	20.5	19.8
5.	19.5	19.0	17.9	16.0	15.9	15.0	13.9	16.6	18.6	20.3	21.5	22.4	23.3	23.4	23.0	23.2	21.8	21.2	20.8	23.0	19.7	18.0	17.7	17.3
6.	17.1	16.5	15.3	15.1	15.0	15.6	14.0	13.9	14.2	14.7	15.4	14.7	14.6	15.4	15.5	15.4	15.3	15.2	15.7	14.0	13.7	13.3	12.7	12.4
7.	12.1	11.8	11.8	11.5	10.9	10.4	11.2	11.7	12.4	13.2	14.4	15.3	15.9	16.7	16.8	17.3	17.2	17.2	17.0	16.0	15.7	15.5	15.3	15.3
8.	15.0	14.8	14.8	15.0	15.0	14.9	14.8	15.0	15.2	15.5	15.6	16.2	16.8	18.1	17.6	17.5	17.4	17.0	16.3	16.0	15.3	16.2	17.0	17.0
9.	17.7	17.8	16.9	15.3	14.7	13.9	12.9	12.8	13.5	13.7	14.1	14.0	14.1	14.5	14.8	13.5	13.7	13.5	13.2	12.6	11.4	10.7	10.5	9.6
10	9.9	9.6	9.0	8.7	8.6	8.4	7.6	8.4	10.0	12.5	15.4	14.0	15.6	16.4	16.2	16.4	17.4	17.3	17.0	16.0	14.4	15.0	15.6	14.4
11	13.7	12.7	12.7	12.4	12.3	12.1	12.6	13.0	13.4	13.2	13.5	14.1	13.9	13.1	12.9	12.5	12.4	11.9	11.3	10.5	10.0	9.4	9.1	8.8
12	8.3	7.9	7.6	7.4	7.2	7.3	6.8	6.8	6.9	7.1	7.0	7.1	7.1	7.7	7.7	8.7	8.2	8.4	8.4	8.4	8.4	8.3	8.3	8.3
13	8.1	7.3	6.4	6.2	6.2	6.4	6.8	7.0	7.5	8.1	9.1	9.5	10.0	10.1	10.2	10.7	11.0	11.0	11.0	10.8	10.9	10.3	11.0	11.0
14	10.8	11.0	11.1	11.2	11.2	11.2	11.1	10.9	11.2	11.7	11.7	12.0	11.9	12.1	11.9	11.9	11.5	11.5	11.0	10.0	10.0	9.7	9.6	9.6
15	9.4	9.1	8.6	8.8	8.1	7.5	7.2	7.5	8.1	9.4	10.2	9.1	9.3	9.3	8.9	9.1	9.4	9.0	8.4	8.4	8.3	7.6	7.5	7.5
16	7.4	7.6	9.1	6.4	8.2	8.3	8.7	9.8	10.1	10.6	12.6	14.0	12.2	11.5	12.0	11.5	11.0	10.2	10.2	9.5	8.5	7.8	7.7	7.7
17	7.3	6.9	6.5	5.4	5.1	5.8	5.4	5.5	6.8	7.6	10.0	9.7	10.0	10.4	10.4	10.6	10.9	11.6	11.2	10.2	10.3	10.5	10.6	10.6
18	10.5	10.4	10.1	10.3	10.1	10.1	10.2	10.6	10.5	10.5	10.8	11.6	11.5	11.6	12.0	12.0	11.4	11.8	11.9	11.7	11.6	11.4	11.7	11.9
19	12.5	13.1	13.2	13.5	14.0	14.2	13.6	7.7	6.8	7.2	8.0	8.9	9.5	9.8	9.1	8.6	8.7	8.4	8.3	7.6	7.2	5.7	5.2	5.2
20	4.6	4.3	3.4	3.1	2.9	2.8	2.6	2.7	4.6	6.8	8.4	8.5	7.7	8.7	8.5	8.6	8.7	7.9	8.3	6.4	5.6	5.2	4.4	4.1
21	3.8	3.0	2.5	2.4	1.6	1.6	1.4	1.4	4.2	6.9	8.0	8.4	9.2	9.0	9.3	9.4	8.7	8.9	8.9	7.4	7.3	7.1	6.8	6.3
22	6.0	5.6	5.4	5.2	5.2	4.8	4.8	4.8	6.0	7.6	9.4	10.2	11.0	11.7	12.4	12.3	12.6	12.7	12.9	11.9	10.9	10.5	10.3	10.4
23	10.0	9.5	9.2	8.8	8.7	7.8	8.3	8.3	8.8	10.4	12.2	12.9	13.3	13.0	12.7	11.5	11.2	11.4	11.4	9.4	8.6	8.1	7.2	8.0
24	7.1	4.7	4.5	4.8	3.3	3.0	3.0	3.1	5.0	7.1	8.7	8.8	9.3	9.3	9.3	9.0	8.6	8.4	7.2	6.3	5.6	4.4	5.9	5.9
25	5.8	5.2	5.4	5.4	5.7	6.0	6.0	6.0	6.9	7.7	8.7	8.6	10.9	10.4	10.7	11.2	11.0	12.3	12.5	11.6	10.8	9.9	9.9	8.8
26	9.7	8.7	7.2	7.0	6.4	6.5	6.8	7.3	7.6	8.5	8.7	9.8	8.1	7.6	7.6	8.2	8.1	8.3	7.6	6.5	5.2	4.5	3.1	2.0
27	3.5	5.3	5.4	4.6	3.4	2.7	2.0	1.8	3.3	6.5	7.7	8.2	8.1	8.1	8.4	8.9	8.3	8.7	8.0	6.6	5.8	5.1	4.5	4.5
28	4.4	4.2	3.4	3.2	3.1	2.2	2.6	3.0	4.9	6.2	6.9	7.6	8.2	8.4	8.7	9.2	8.6	9.1	9.1	8.9	8.8	8.6	8.5	8.6
29	8.5	8.5	8.5	8.3	6.1	7.9	7.7	7.5	8.3	8.5	9.1	9.5	9.5	8.8	8.6	10.0	9.3	8.5	8.8	5.8	6.6	6.1	5.7	6.0
30	4.9	4.0	3.7	3.4	2.3	4.0	3.9	3.5	5.3	7.8	10.7	11.5	12.8	13.1	12.6	12.8	12.6	12.6	11.4	9.7	9.0	8.9	8.7	8.2

MEAN	10.3	9.9	9.6	9.3	9.1	9.0	8.9	9.0	9.9	11.0	12.0	12.4	12.6	12.9	12.0	12.8	12.7	12.7	12.5	11.6	11.0	10.7	10.4	10.1
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