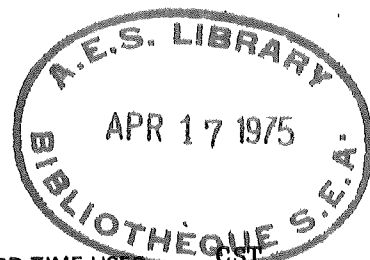


ATMOSPHERIC ENVIRONMENT SERVICE
DEPARTMENT OF THE ENVIRONMENT - CANADA
MONTHLY METEOROLOGICAL SUMMARY



FOR THE MONTH OF February 1975

AT WINNIPEG, MANITOBA

LAT 49° 54' LONG: 97° 15'

ELEVATION: 775 FEET.

STANDARD TIME USED: CST

DATE	TEMPERATURE (°F)			DEGREE DAYS BELOW 65°F	RELATIVE HUMIDITY (%)				WIND (M.P.H.)			DURATION OF BRIGHT SUNSHINE (HOURS)	GROWING DEGREE DAYS ABOVE 42°
	MAXIMUM	MINIMUM	MEAN FROM MAX AND MIN		00.00	06.00	12.00	18.00	AVERAGE SPEED	PREVAILING DIRECTION	MAXIMUM SPEED AND DIRECTION		
1	- 8	-28	-18	83	81	88	71	69	4.1	NNE	8NNE	4.9	
2	3	-18	- 8	73	87	81	69	59	8.3	NNE	12NE	7.3	
3	26	2	14	51	63	75	79	91	13.9	E	19NW	0.0	
4	9	-10	- 1	66	76	80	76	71	13.6	NW	19NW	5.9	
5	3	-18	- 8	73	70	87	69	67	10.6	WSW	17W	6.6	
6	5	- 7	- 1	66	81	81	68	65	9.1	W	13WNW	6.1	
7	5	-22	- 9	74	76	81	63	77	11.1	WNW	21NW	8.1	
8	-12	-27	-20	85	88	97	70	77	9.2	W	13W	9.0	
9	1	-24	-12	77	88	61	61	76	9.0	SSE	17SSE	0.7	
10	- 2	-21	-12	77	80	82	70	57	7.5	NNE	15NNE	3.8	
11	8	-14	- 3	68	87	72	74	80	9.5	ESE	18NNW	3.5	
12	- 8	-27	-18	83	65	81	71	76	9.5	WNW	17NW	8.6	
13	4	-20	- 8	73	76	73	72	74	5.2	ESE'SSE	11ESE	0.0	
14	8	- 5	2	63	70	70	78	77	5.1	ESE	9ESE	0.0	
15	7	- 8	- 1	66	76	73	59	79	5.8	S	10SSW	3.9	
16	14	-15	- 1	66	81	79	66	74	13.3	S	21SSE	8.5	
17	21	- 4	9	56	81	82	84	84	7.1	WNW	12S	0.9	
18	17	- 8	5	60	78	77	81	77	6.7	S	12S	8.8	
19	32	3	18	47	81	77	84	85	9.5	S	15SSW	3.0	
20	25	9	17	48	82	81	82	82	13.5	S	20S	9.4	
21	30	19	25	40	79	79	75	86	12.0	S	19S	5.0	
22	27	4	16	49	84	86	85	67	15.2	NW	25NW	6.3	
23	18	- 6	6	59	82	77	62	71	6.6	S	15S	6.7	
24	34	10	22	43	74	81	77	81	15.8	S	32NW	4.8	
25	31	13	22	43	76	69	73	79	19.3	NW	25NW	5.0	
26	25	8	17	48	71	79	71	63	9.5	NW	17NW	2.7	
27	16	-11	3	62	83	76	75	71	5.8	NW	12NW	9.9	
28	11	-11	0	65	70	80	65	66	9.8	WNW	12WNW	9.4	
29													
30													
31													
MEAN	12.5	- 8.4	2.1	Total 1764	78	79	73	74	9.8	Prevailing South	Maximum 32 NW	Total 148.8	Total
NORMAL	13.3	- 6.0	3.7	1730	82	85	79	78	12.1	South	36	139.4	0

UDC 551.506.1 (712.74) * Based on the thirty year period 1941-1970 inclusive
X For the 24 hours ending at midnight
+ One-half sum of Max. & Min. Temperatures

PRECIPITATION (INCHES) (1)					DAILY WEATHER SUMMARY FOR February 1975 AT Winnipeg, Man.									
DATE	RAINFALL	SNOWFALL	TOTAL PRECIP (2)	DEPTH OF SNOW ON GROUND (3)										
1		TR	TR	13	1. Cold, smoke and ice fog in morn. ice crystals 8:33 to 9:53 a.m.									
2				12	2. Below Norm. temp. Sunny with Light winds.									
3	.02	1.1	.13	12	3. Mild. Cloudy. Freezing drizzle 8:45 to 10:24 am 4:38pm to 10:32p.m. snow 5:20 a.m. to 8:40 p.m.. Fog.									
4		.1	.01	12	4. Normal temp. P cloudy. Snow or ice crystals 1:07 a.m. to 4:00 p.m. 8:43 p.m. continued.									
5		TR	TR	12	5. Below normal temp. Mostly sunny, snow or ice crystals to 9:55 a.m.									
6		.1	.01	12	6. Normal temp. Mostly sunny. Snow or ice crystals 0:18a.m. to 12:29 p.m. 9:46 p.m. continued.									
7		.1	TR	12	7. Below normal temp. Sunny. Snow to 3:40 a.m.									
8		TR	TR	12	8. Very cold. Sunny. Ice crystals 11:41 a.m. to 1:55 p.m.									
9				11	9. Cold. Cloudy. Light winds.									
10				11	10. Cold. P cloudy. Light winds.									
11		1.7	.13	12	11. Below normal temp. P cloudy. Snow 3:25 a.m. to 11:20pm									
12		TR	TR	12	12. Very cold. Sunny. Snow 0:15 to 2:53 a.m.									
13		1.2	.12	12	13. Below normal temp. Cloudy. Snow 11:15 a.m. continued.									
14		.9	.05	14	14. Near normal temp. Cloudy. Snow to 6:45 pm. 9:30 pm continued.									
15		TR	TR	14	15. Near normal temp. P cloudy. Snow or ice crystals to 5:34 a.m., 11:23 a.m. to 3:55 p.m.									
16		TR	TR	14	16. Near normal temp. Sunny. Ice crystals 8:17 to 10:35am									
17		1.8	.12	14	17. Above normal temp. Cloudy. Snow 6:44 am to 6:20 pm									
18				14	18. Above normal temp. Sunny. Smoke 4:50 to 5:18 am. light winds.									
19		TR	TR	14	19. Mild. P cloudy. Snow 7:45 am to 10:25 am .									
20				14	20. Mild. Sunny. Drifting snow.									
21		TR	TR	13	21. Very mild. P cloudy. Haze. Snow 8:28 pm continued.									
22		.1	.01	13	22. Mild. P cloudy. Snow to 9:15 am. Drifting snow.									
23				13	23. Normal temp. Sunny. Mostly light winds.									
24		.3	.03	13	24. Mild. P cloudy. Snow 6:04 pm to 8:43 pm. Drifting snow									
25		TR	TR	13	25. Mild. P. Cloudy. Snow 4:46 pm to 7:45 pm.									
26		TR	TR	12	26. Mild. Mostly cloudy, Snow 3:45 am to 3:12 pm.									
27		TR	TR	12	27. Below normal temp. Sunny. Ice crystals 9:14 am to 11:00 am. Ice fog in morning.									
28				12	28. Below Normal temp. Sunny with light winds.									
TOTAL	.02	7.4	.61											
NORMAL	*.03	*7.8	*.75											
DAYS WITH TOTAL PRECIPITATION					DAYS WITH SNOWFALL					THUNDERSTORMS				
0.01" OR MORE	0.04" OR MORE	0.25" OR MORE	0.50" OR MORE	1.00" OR MORE	0.1" OR MORE	0.4" OR MORE	2.5" OR MORE	5.0" OR MORE	10.0" OR MORE	NO.	NORMAL	DATES		
9	5	0	0	0	10	5	0	0	0		*0.0			

(1) TR = Trace = negligible amount of rain or snow. Precipitation data are based on 24-hour period beginning

(2) Total precipitation is computed by adding rainfall in inches to water equivalent of the snowfall in inches.

(3) Measurement taken at 6a.m. C.S.T. *Based on the Thirty year period 1941-1970 inclusive

February weather was sunnier and less windy than usual in Winnipeg, but temperatures and precipitation were close to normal.

The sun shone on Winnipeg for 149 hours, which was ten hours more than usual for February. Wind speeds averaged only 9.8 m.p.h. compared to normal February winds of 12.1 m.p.h.. It reached a peak gust of 39 m.p.h. on February 24.

Temperatures averaged 1.6 degrees below normal with the monthly mean at 2.1 degrees. Coldest day was February 1 with a minimum of 28 below. Milder weather came during late February, and it reached a maximum of 34 degrees on February 24.

Snowfall amounted to near normal at 7.4 inches with 0.02 inches of freezing drizzle on February 3. Total water equivalent amounted of 0.61 inches compared to normal February precipitation of 0.75 inches.

DEGREE DAYS (BELOW 65°)						CLOUD AMOUNT (1) NO. OF OBSERVATIONS IN THE RANGE:							
	THIS YEAR	PREVIOUS YEAR	NORMAL			TIME	0 - 2 TENTHS	3 - 7 TENTHS	8 - 10 TENTHS	MEAN AMOUNT			
TOTAL FOR MONTH	1764	1812	*1730			0000C	11	3	14	5.4			
ACCUMULATED FROM PREVIOUS SEPT. 1	7467	8298	*7766			0600C	12	3	13	5.1			
						1200C	12	5	11	5.4			
						1800C	8	8	12	5.8			
NO. OF DAYS THIS MONTH WITH MAXIMUM TEMPERATURE ABOVE:						NO. OF DAYS THIS MONTH WITH MINIMUM TEMPERATURE BELOW:							
-20	-10	0	10	20	30	-20	-10	0	10	20			
28	27	24	14	9	3	6	13	20	25	28			
NO. OF HOURS WITH DEWPOINT (°F) BETWEEN:													
-20 - 29		-10 - 19		-1 - 9		0 + 9		10 + 19		20 + 29		30 + 39	
102		148		151		128		102		38		3	
LOWEST DEWPOINT:						HIGHEST DEWPOINT:							
-28 February 1 0500 CST						32 February 24 1900CST, 2000 CST							

CLIMATOLOGICAL DATA FOR THE PAST 11 YEARS

Year	Maximum Temp.	Minimum Temp.	Mean Temp.	Rainfall	Snowfall	Total Precip.	Mean Windspeed	Hours Sunshine		
1965	39	-29	-0.1	.01	7.8	.55	15.0	150.9		
1966	35	-49	-2.0	TR	5.4	.41	10.9	163.1		
1967	38	-38	-6.0	Tr.	4.1	.37	12.6	155.2		
1968	32	-29	1.0	Tr.	2.5	.19	11.4	154.7		
1969	34	-35	7.0	Tr.	4.3	.34	9.5	119.6		
1970	40	-27	2.9	Nil	6.5	.59	11.9	131.3		
1971	39	-27	7.0	.01	2.5	.18	10.8	141.0		
1972	35	-33	-2.8	Nil	5.2	.41	8.6	160.8		
1973	36	-28	7.0	.03	2.6	.25	10.3	140.4		
1974	35	-38	0.3	.01	4.6	.44	9.3	155.2		
1975	34	-28	2.1	.02	7.4	.61	9.8	148.8		

(1) Tenths of sky covered with cloud.

COMPARATIVE RECORDS FOR THE MONTH OF February 1975

AT Winnipeg, Manitoba

	THIS MONTH		NORMAL	HIGHEST RECORD FOR THE MONTH			LOWEST RECORD FOR THE MONTH			LENGTH OF RECORD
	VALUE	DATE		VALUE	YEAR	DAY	VALUE	YEAR	DAY	
HIGHEST TEMPERATURE	34	24	* 35	53	1958	25	15	1875	19	104
LOWEST TEMPERATURE	-28	1	* -29	- 3	1878	9	-49	1966	18	104
GREATEST DAILY RANGE	29	16,19	* 36	52	1896	16				
LEAST DAILY RANGE	11	21	* 6				1	1895	6	104
MEAN MONTHLY TEMPERATURE	2.1		* 3.7	22.9	1878		-14.9	1875		104
GREATEST RAINFALL IN 5 MIN.										
GREATEST RAINFALL IN 10 MIN.										
GREATEST RAINFALL IN 15 MIN.										
GREATEST RAINFALL IN 30 MIN.										
GREATEST RAINFALL IN 60 MIN.										
GREATEST RAINFALL IN 24 HOURS	.02	3		.30	1958	23				104
GREATEST SNOWFALL IN 24 HOURS	1.8	17		10.0	1921	16				104
GREATEST PRECIPITATION IN 24 HOURS	.13	11,3		1.00	1921	16				104
TOTAL MONTHLY RAINFALL	.02		* .03	.40	1958		NIL (Several)			104
TOTAL MONTHLY SNOWFALL	7.4		* 7.8	35.4	1881		1.0	1903		104
TOTAL MONTHLY PRECIPITATION	.61		* .75	3.54	1881		.10	1903		104
NO. OF DAYS WITH PRECIPITATION	9		* 10	15	1945		2	1900,1931		92
TOTAL WIND MILEAGE	6607		8084	10109	1965		5963	1972		37
MEAN WIND SPEED (m.p.h.)	9.8		*12.1	14.8	1954		7.8	1929		55
MAXIMUM SPEED (1min.) (m.p.h.)	NW32	24	36	NW56	1960	8				37
MAXIMUM GUST SPEED (m.p.h.)	NW39	24	48	NW80	1965	20				30
PREVAILING DIRECTION	S		South							16
MEAN STATION PRESSURE (mb.)	987.9		*989.6	994.2	1968		982.6	1954		37
GREATEST STATION PRESSURE (mb.)	1009.5	2	1007.2	1018.5	1966	20				37
LEAST STATION PRESSURE (mb.)	967.4	24	965.7				951.1	1960	8	37
TOTAL HOURS OF SUNSHINE	148.8		*139.4	185.9	1907		80.5	1940		70

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12.10.78
MAM