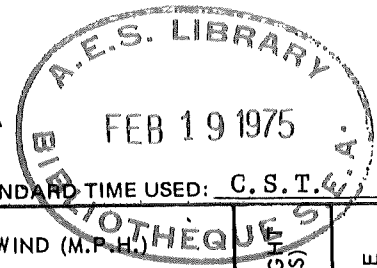


ATMOSPHERIC ENVIRONMENT SERVICE
DEPARTMENT OF THE ENVIRONMENT - CANADA
MONTHLY METEOROLOGICAL SUMMARY

FOR THE MONTH OF **JANUARY 1975**

AT **WINNIPEG, MANITOBA**



LAT: 49°54N LONG: 97°15W

ELEVATION: 775 FEET.

STANDARD TIME USED: C. S. T.

DATE	TEMPERATURE (°F)			DEGREE DAYS BELOW 65°F	RELATIVE HUMIDITY (%)				WIND (M.P.H.)			DURATION OF BRIGHT SUNSHINE (HOURS)	GROWING DEGREE DAYS ABOVE 42°
	X	X	MEAN FROM MAX AND MIN +		0000C	0600C	1200C	1800C	AVERAGE SPEED	PREVAILING DIRECTION	MAXIMUM SPEED AND DIRECTION		
	MAXIMUM	MINIMUM											
1	17	- 4	7	58	87	86	81	73	10.3	S	18 S	7.7	
2	28	15	22	43	77	74	67	83	14.8	S	21 S	4.4	
3	21	6	14	51	83	86	71	79	7.9	WNW	12 NW	7.1	
4	17	- 2	8	57	73	84	75	81	5.5	WNW	11 SSE	5.4	
5	19	7	13	52	83	81	83	80	4.3	CALM	8 ESE	0.0	
6	20	17	19	46	86	89	83	80	5.1	NNE	7 NNE	0.0	
7	25	19	22	43	84	83	82	86	7.4	SE	13 SSE	0.0	
8	24	13	19	46	87	90	82	84	7.0	S	14 S	0.0	
9	28	18	23	42	87	88	88	92	11.2	E	19 E	0.0	
10	26	6	16	49	88	93	85	79	15.0	WNW	35 NNW	0.0	
11	6	-12	- 3	68	83	84	79	81	33.5	NW	41 NW	0.0	
12	- 5	-15	-10	75	81	81	69	78	17.1	NW	30 NW	6.8	
13	- 2	-20	-11	76	67	77	64	59	8.3	S	19 S	7.5	
14	7	-15	- 4	69	64	65	67	61	6.6	S	16 S	4.0	
15	2	- 9	- 4	69	63	74	80	72	7.0	WNW	11 WNW	2.7	
16	0	-20	-10	75	68	73	61	78	7.7	SSE	12 SSE	1.2	
17	24	- 9	8	57	74	84	75	86	13.3	S	22 S	2.1	
18	14	-14	0	65	81	75	68	71	15.0	N,NNW	24 NW	1.2	
19	2	-27	-13	78	69	76	79	76	12.9	SSE	23 S	3.7	
20	24	- 3	11	54	75	82	80	83	15.4	S	29 N	0.0	
21	- 2	-22	-12	77	77	66	81	70	14.5	N	28 N	8.2	
22	9	-16	- 4	69	68	73	72	76	14.5	S	27 S	4.2	
23	26	0	13	52	76	85	79	82	6.8	S	13 S	0.0	
24	27	14	21	44	93	89	87	90	16.8	NNE	26 NNE	0.0	
25	15	- 2	7	58	86	77	85	81	16.0	NNW	24 N	0.2	
26	5	-15	- 5	70	73	71	80	77	7.8	NW	12 NW	4.7	
27	2	-14	- 6	71	80	75	71	68	10.3	SSW	15 SW	6.9	
28	8	- 9	- 1	66	71	81	63	81	7.8	S	14 NNE	8.2	
29	1	-18	- 9	74	82	76	55	59	8.1	N	16 N	4.1	
30	0	-19	-10	75	71	77	63	79	5.0	SSW	10 SSW	7.2	
31	- 2	-24	-13	78	81	83	69	81	4.1	NNE	9 WSW	4.4	
MEAN	12.5	- 5.6	3.5	Total 1907	78	80	75	78	10.9	Prevailing S	Maximum 41 NW	Total 101.9	Total
NORMAL	* 7.9	*- 9.8	*- 0.9	* 2044	*79	*79	*75	*83	*12.4	*NW	35	* 112.5	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 JANUARY 1975 AT WINNIPEG, MAN.							
DATE	RAINFALL	SNOWFALL	(2) TOTAL PRECIP	DEPTH OF SNOW ON (3) GROUND								
1				3	1. Above normal temp. Sunny with mostly light winds.							
2		.2	.02	3	2. Very mild. Mostly sunny. Snow 2:40 pm to 7:20 pm.							
3				3	3. Mild. Mostly sunny. Light winds.							
4		TR.	TR.	3	4. Above normal temp. Mostly sunny. Fog in late evening.							
5		TR.	TR.	3	Snow 1:38 am to 4:17 am 11:45 pm cont. Ice crystals							
6	TR.	TR.	TR.	3	12:51 pm to 1:33 pm.							
7	.01	.1	.02	3	5. Mild. Cloudy. Fog in morn. Snow to 4:45 am 11:30 to 4:41 pm.							
8	TR.	.5	.03	3	6. Very mild. Freezing drizzle 7:42 to 8:30 am snow or snow							
9		1.5	.13	3	grains 9:20 am to 5:15 pm. 11:30 pm continued.							
10		1.9	.18	5	7. Very mild. Cloudy. Snow to 9:42 pm. Freezing drizzle							
11		4.8	.48	7	9:07 pm continued.							
12		.3	.03	11	8. Very mild. Cloudy. Freezing drizzle to 8:55 am. Fog in							
13		TR.	TR.	11	morning. Snow 8:50 am to 7:40 p.m.							
14		1.0	.05	8	9. Very mild. Cloudy. Fog in morn. Snow 8:12 am continued.							
15		.6	.04	9	10. Mild. Cloudy. Snow all day. Blowing snow. Gusty winds.							
16		.1	.01	8	11. Devastating blizzard. City at standstill. Snow, blowing							
17		1.0	.06	8	snow all day. Gusts to 58 mph. Vsby zero. No transportation							
18		.1	TR.	9	but snowmobiles. Power off in spots. Travellers stranded.							
19		TR.	TR.	9	12. Below normal temp. Sunny. Snow or ice crystals to 2 pm.							
20		.1	.01	9	Blowing snow.							
21		TR.	TR.	9	13. Below normal temp. Sunny. Snow 6:20 pm to 8:15 pm.							
22		.1	.01	9	14. Near normal temp. P. cloudy. Snow, Snow pellets or ice							
23	TR.	.6	.04	9	crystals 5:25 am to 2:50 pm Snow 8:40 pm continued.							
24	TR.	7.2	.67	9	15. Near normal temp. P. cloudy. Snow to 11:45 am. 3:14 pm to							
25		.2	.02	13	3:50 pm 11:45 pm continued.							
26		TR.	TR.	13	16. Below normal temp. P. cloudy. Snow or ice crystals to 5:58pm.							
27		TR.	TR.	13	17. Mild. P. cloudy. Snow 4:18 pm to 8:10 pm. Blowing snow.							
28		TR.	TR.	13	18. Above normal temp. Mostly cloudy. Snow 0.40 to 4:12 am							
29		TR.	TR.	13	12:55 pm to 7:15 pm. Blowing snow.							
30				13	19. Cold. P. cloudy. Blowing snow 2:14 pm cont. Snow 4:21 pm cont.							
31				13	20. Mild. P. cloudy. Snow or snow pellets nearly all day.							
TOTAL	.01	20.3	1.80		Ice pellets 12:11 pm to 12:35 pm. Blowing snow.							
NORMAL	*.01	*9.8	*.93		21. Cold. Sunny. Snow to 0:19 am. 11:24 pm continued. Blowing snow.							
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
16	8	2	1	0	17	9	2	1	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 6 a.m. C.S.T. *Based on the thirty year period 1941-1970 inclusive.

Milder, but stormier than usual weather hit Winnipeg during January. Snow fell on the city during 17 days in January, and that included two heavy snowstorms. The storm on January 10th to January 12th, swirled into a full blizzard and brought the city to a stand still. The 7.4 inch snowfall blocked roads with drifts of snow that blew in on winds that were gusty to over 60 m.p.h. It was the worst blizzard to hit Winnipeg since March 4th, 1966. Monthly snowfall amounted to 20.3 inches which is double the normal amount.

Temperatures averaged 5 degrees above normal with a maximum of 28 degrees January 2nd and January 9th. January 19th, was coldest at 27 below.

Sunshine was 11 hours less than usual. It was completely overcast for 7 consecutive days from January 5th to January 11th, which is the longest stretch on record since 1951.

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	1907	2278	* 2044	0000C	7	3	21	7.4		
ACCUMULATED FROM PREVIOUS SEPT. 1	5703	6486	* 6036	0600C	7	6	18	6.8		
				1200C	7	3	21	7.2		
				1800C	4	6	21	7.7		
NO. OF DAYS THIS MONTH WITH MAXIMUM TEMPERATURE ABOVE:				NO. OF DAYS THIS MONTH WITH MINIMUM TEMPERATURE BELOW:						
20	10	0	-10	-20	-10	0	10	20		
10	16	25	31	3	14	21	25	31		
NO. OF HOURS WITH DEWPOINT (°F) BETWEEN:										
-30	-39	-20	-29	-10	-19	-1	-9	0 + 9	10 + 19	20 + 29
1		80		192		133		122	149	67
LOWEST DEWPOINT: -32° January 19 0800C					HIGHEST DEWPOINT: 25° January 9, (15, 17, 18, 19 00 CST) January 24 0800C					

CLIMATOLOGICAL DATA FOR THE PAST 11

YEARS

Year	Maximum Temp.	Minimum Temp.	Mean Temp.	Rainfall	Snowfall	Total Precip.	Mean Windspeed	Hours Sunshine
1965	29	-31	- 6.9	Tr.	3.9	.22	13.0	138.3
1966	14	-44	-16.0	Nil	4.9	.37	10.8	130.0
1967	33	-32	0.8	Tr.	9.2	.81	13.9	99.2
1968	38	-41	- 1.1	.06	9.4	.84	11.7	139.1
1969	28	-36	- 7.5	Tr.	21.4	1.87	12.0	92.5
1970	29	-37	- 3.9	Tr.	12.7	.90	10.3	108.9
1971	26	-33	- 8.5	Nil	6.0	.42	10.9	149.2
1972	34	-38	- 7.6	Nil	7.4	.63	10.4	144.1
1973	42	-38	6.8	.07	1.1	.10	9.8	141.2
1974	28	-43	- 8.4	.02	15.9	1.54	9.5	123.2
1975	28	-27	3.5	.01	20.3	1.80	10.9	101.9

(1) Tenths of sky covered with cloud.

COMPARATIVE RECORDS FOR THE MONTH OF JANUARY 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	28	2, 9	* 32	46	1942	23	11	1950	11	104
LOWEST TEMPERATURE	-27	19	*-32	-13	1931	14	-48	1877	15	104
GREATEST DAILY RANGE	33	17	* 38	63	1889	25				104
LEAST DAILY RANGE	3	6	* 5				2	1914	2	104
MEAN MONTHLY TEMPERATURE	3.5		*-0.9	13.0	1944		-16.5	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	.01	7		0.15	1944	20				104
GREATEST SNOWFALL IN 24 HOURS	7.2	24		12.5	1907	2				104
GREATEST PRECIPITATION IN 24 HOURS	.67	24		1.25	1907	2				104
TOTAL MONTHLY RAINFALL	.01		* .01	0.15	1944		Nil most years			104
TOTAL MONTHLY SNOWFALL	20.3		*9.8	33.6	1916		1.1	1881		104
TOTAL MONTHLY PRECIPITATION	1.80		* .93	3.36	1916		.10	1902		104
NO. OF DAYS WITH PRECIPITATION	16		* 12	20	1954		3	1973		92
TOTAL WIND MILEAGE	8088		9130	10543	1947		7030	1974		37
MEAN WIND SPEED (m.p.h.)	10.9		* 12.4	14.2	1947		8.5	1930		55
MAXIMUM SPEED (1min.) (m.p.h.)	NW 41	11	35	N 49	1942	13		1936		37
MAXIMUM GUST SPEED (m.p.h.)	NW 58	11	47	NW 58	1975	11				30
PREVAILING DIRECTION	S		NW	S 58	1959	1				16
MEAN STATION PRESSURE (mb.)	983.6		*989.6	997.2	1966		982.1	1947		37
GREATEST STATION PRESSURE (mb.)	1006.8	31	1008.6	1020.7	1949	10				37
LEAST STATION PRESSURE (mb.)	960.3	11	966.2				948.1	1947	14	37
TOTAL HOURS OF SUNSHINE	101.9		*112.5	160.3	1959		63.5	1931		76

+ Tower wind NW 66 m.p.h.

HOURLY TEMPERATURES AT WINNIPEG INTERNATIONAL AIRPORT FOR THE MONTH OF JANUARY 1975
 LOCAL STANDARD TIME

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	6	4	2	4	1	0	-1	-2	-3	-1	0	4	9	12	14	15	14	13	13	14	14	15	15	15
2	16	17	17	18	18	18	17	19	17	16	17	18	20	22	24	26	27	27	27	27	27	27	28	24
3	20	18	18	16	14	13	11	10	9	6	8	11	13	15	15	18	14	11	9	9	12	14	14	14
4	15	16	15	15	15	14	13	12	11	10	8	9	12	14	15	15	13	11	9	5	0	1	-2	8
5	7	9	9	9	10	10	11	12	13	13	14	15	16	17	17	18	17	18	18	18	18	18	18	18
6	18	19	18	18	17	17	17	17	18	18	18	18	18	18	18	18	18	18	19	18	18	19	18	18
7	19	19	19	19	19	20	20	20	21	21	21	21	22	22	23	23	23	23	23	23	24	24	24	24
8	23	23	23	23	22	22	22	21	21	18	17	16	13	14	15	15	15	16	16	15	15	16	16	17
9	18	22	23	23	23	23	23	23	23	24	24	26	26	27	27	27	27	27	27	27	27	27	27	26
10	26	25	25	25	25	25	25	25	25	24	24	21	19	18	18	18	17	15	15	14	12	10	8	7
11	6	2	-1	-3	-4	-6	-8	-10	-11	-11	-11	-11	-11	-11	-11	-11	-10	-8	-8	-7	-7	-6	-6	-5
12	-6	-6	-6	-6	-7	-7	-7	-8	-8	-9	-9	-9	-9	-8	-8	-8	-9	-10	-14	-14	-11	-12	-11	-9
13	-9	-10	-10	-10	-13	-16	-17	-19	-16	-18	-14	-13	-10	-9	-9	-9	-9	-10	-8	-5	-3	-2	-3	-4
14	-4	-5	-4	-2	-1	0	1	3	3	4	5	6	6	6	3	2	1	-3	-7	-15	-8	-3	-2	-2
15	-1	-2	-2	-1	-1	0	0	1	1	1	1	0	-3	-3	1	2	2	-1	-2	-2	-4	-3	-5	-8
16	-6	-8	-17	-18	-18	-18	-15	-12	-10	-10	-10	-9	-7	-6	-4	-2	-1	-1	-2	-4	-4	-6	-5	-2
17	-3	-4	-6	-7	-8	-8	-7	-3	-1	3	4	7	10	12	15	14	17	17	18	20	18	22	18	18
18	13	8	4	1	-2	-4	-6	-6	-6	-6	-7	-7	-6	-5	-4	-4	-4	-3	-3	-2	-5	-7	-11	-13
19	-14	-15	-17	-16	-16	-18	-18	-22	-26	-23	-16	-13	-12	-12	-10	-9	-7	-5	-4	-2	-1	1	1	1
20	1	3	7	9	10	12	13	13	15	14	13	15	16	19	21	23	23	22	20	17	11	7	4	1
21	-3	-8	-10	-12	-15	-16	-17	-18	-20	-22	-22	-22	-21	-20	-19	-19	-19	-19	-19	-19	-20	-19	-18	-17
22	-15	-14	-12	-10	-9	-8	-8	-7	-5	-4	-2	1	3	5	6	7	8	5	3	4	4	1	2	2
23	0	5	5	8	8	9	9	10	10	12	13	14	16	17	18	18	19	20	20	22	23	24	25	25
24	25	25	25	25	25	25	26	27	27	26	26	26	26	27	27	25	25	24	22	20	19	18	18	16
25	14	13	11	11	8	7	6	6	5	5	6	6	6	6	7	7	8	8	7	7	5	4	3	1
26	-1	-2	-2	-5	-6	-7	-11	-13	-14	-10	-5	-3	-2	2	3	4	3	0	-3	-4	-2	-4	-5	-8
27	-9	-12	-8	-9	-9	-10	-11	-10	-11	-11	-4	-2	0	0	1	1	1	0	-1	-1	-2	-1	-1	-4
28	-3	-4	-5	-3	-5	-6	-8	-8	-7	-4	-3	0	3	5	3	3	2	1	-1	-8	-2	-5	-2	0
29	0	-2	-2	-4	-5	-6	-10	-13	-16	-15	-12	-12	-11	-9	-7	-7	-7	-8	-11	-14	-14	-14	-17	-17
30	-17	-16	-18	-17	-16	-17	-16	-15	-18	-15	-11	-8	-5	-2	-1	-1	-2	-3	-5	-6	-6	-8	-8	-8
31	-8	-8	-11	-11	-13	-11	-12	-15	-17	-16	-13	-10	-9	-6	-5	-3	-4	-9	-7	-11	-15	-13	-17	-18

MEAN 4.1 3.6 2.9 2.9 2.2 1.8 1.4 1.2 1.0 1.3 2.6 3.7 4.8 6.0 6.9 7.3 7.2 6.3 5.5 4.7 4.6 4.7 4.2 3.9

1975

ABSTRACT OF THE WIND AT WINNIPEG INTERNATIONAL AIRPORT FOR THE MONTH OF JANUARY

ALL TIMES ARE C.S.T.

HOUR STARTING	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	PEAK GUST	HOUR
1	WNW 7	WNW 6	WNW 4	WNW 10	WNW 7	W 4	WSW 2	SW 2	S 2	S 2	SSE 2	S 8	S 11	S 14	S 15	SSE 12	S 15	S 14	S 18	S 18	S 18	S 18	S 18	S 17	S 23	20 CST
2	S 19	S 17	S 20	S 21	S 17	S 17	S 21	S 17	S 19	S 19	S 16	S 20	SSW 14	SSW 14	SSW 10	WSW 4	W 6	NW 10	NW 15	NNW 14	NNW 12	NNW 9	NNW 12	NW 10	S 29	11 CST
3	NW 12	NW 10	WNW 9	WNW 10	WNW 8	W 8	WNW 10	WNW 8	WNW 9	W 9	W 5	WSW 10	W 4	W 5	C 0	SSE 2	SSW 7	S 6	S 8	S 6	SSE 9	S 12	S 12	SSE 11		
4	SE 8	SSE 11	S 10	S 11	S 8	S 8	SSW 6	WSW 6	WNW 5	WNW 5	WNW 9	WNW 7	WNW 8	WNW 6	WNW 6	W 7	NW 4	SW 2	C 0	C 0	SW 2	C 0	C 0	SSE 4		
5	SSE 5	SSE 6	C 0	C 0	C 0	C 0	C 0	C 0	C 0	C 0	C 0	ESE 4	ESE 5	ESE 8	ESE 7	ESE 8	ESE 7	ENE 6	NE 7	NE 7	NE 7	NE 7	NE 8	E 5		
6	ESE 4	ESE 3	NNE 7	NNE 6	NNE 7	NNE 7	NNE 7	NNE 4	NE 7	NE 7	NNE 7	NNE 6	NNE 4	NNE 6	NNE 5	N 5	ENE 6	ENE 6	NE 4	NE 3	NE 4	NE 4	NE 0	SE 3		
7	SSE 3	SSE 3	SSE 2	SSE 4	S 6	S 7	S 7	SSE 6	SE 8	SE 8	SE 10	SE 11	SE 10	SE 8	SE 9	SE 9	SE 7	SE 7	SE 10	SSE 13	SSE 8	SSE 9	SSE 11	S 7		
8	S 9	S 10	SSE 10	SSE 10	SSE 11	S 14	S 14	S 13	S 14	S 14	SW 6	WSW 8	WSW 4	WSW 5	WSW 3	SSW 7	S 3	S 5	SW 4	SW 2	NNW 0	NNW 3	NNW 6	NNE 8		
9	NNE 4	NNE 7	E 8	E 10	E 12	E 12	E 13	E 13	E 12	E 12	ENE 16	ENE 19	E 15	ESE 14	E 9	ENE 12	E 14	E 11	E 10	ESE 10	ESE 12	E 9	E 8	E 8	E 21	11 CST
10	ENE 6	ENE 5	ENE 4	N 5	N 7	N 4	NNW 4	NNW 5	NNW 5	NNW 7	NNW 11	NNW 16	NNW 18	NNW 21	NNW 18	NNW 19	NNW 20	NNW 20	NNW 20	NNW 20	NNW 23	NNW 30	NNW 35	NNW 35	NW 42	00 CST
11	NNW 32	NNW 28	NNW 36	NNW 35	NNW 38	NNW 41	NNW 38	NNW 41	NNW 38	NNW 32	NNW 38	NNW 33	NNW 36	NNW 34	NNW 37	NNW 39	NNW 36	NNW 33	NNW 35	NNW 34	NNW 34	NNW 25	NNW 26	NNW 20	NW 58	11 CST
12	NW 24	NW 30	NW 27	NNW 23	NNW 23	NNW 23	NNW 23	NNW 23	NNW 23	NNW 19	NNW 20	NNW 18	NNW 19	NNW 18	NNW 15	NNW 17	NNW 15	NNW 8	W 4	W 2	W 5	W 6	NNW 9	NW 45	01 CST	
13	N 10	NNE 6	NNE 7	N 6	N 4	N 7	N 4	NNW 4	NNW 1	NNW 2	ENE 3	C 0	C 0	S 7	S 8	S 10	S 9	SSE 11	SSE 13	SSE 15	SSE 17	S 19	S 17	S 17	S 23	21 CST
14	S 14	S 16	S 13	S 13	S 12	S 11	S 11	S 3	S 0	C 4	NNW 6	NNW 11	NNW 13	NNW 7	NNE 5	NNE 2	NNE 3	NNE 0	C 3	NNW 0	C 0	C 0	NE 4	0	S 19	01 CST
15	S 4	SSE 7	SE 8	SE 9	SE 7	ESE 8	SE 6	C 0	C 0	C 0	NNE 4	NNE 5	NNW 8	NNW 6	NNW 7	NNW 9	NNW 10	NNW 11	NNW 8	NNW 8	NNW 9	NNW 9	NNW 8	NNW 8		

