

AD 731 487

**UNITED STATES ARMY
ELECTRONICS COMMAND
METEOROLOGICAL TEAM DATA**

FORT WAINWRIGHT, ALASKA

ALASKA FIELD STATION

FOX LOWER

ARCTIC MEDICAL RESEARCH LABORATORY

FEBRUARY 1971

METEOROLOGICAL SERVICES TECHNICAL AREA

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**ATMOSPHERIC SCIENCES LABORATORY
WHITE SANDS MISSILE RANGE, NEW MEXICO**

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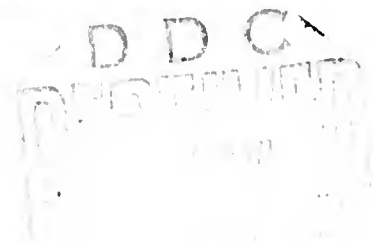


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METEOROLOGICAL DATA REPORT
Atmospheric Sciences Laboratory Meteorological Team
F O R T W A I N W R I G H T, A L A S K A

ALASKA FIELD STATION

FOX LOWER

ARCTIC MEDICAL RESEARCH LABORATORY

FEBRUARY 1971

**Meteorological Data
furnished by:**

**U.S. Army Electronics Command
Atmospheric Sciences Laboratory
Meteorological Services Technical Area
White Sands Missile Range, N.M. 88002**

INTRODUCTION

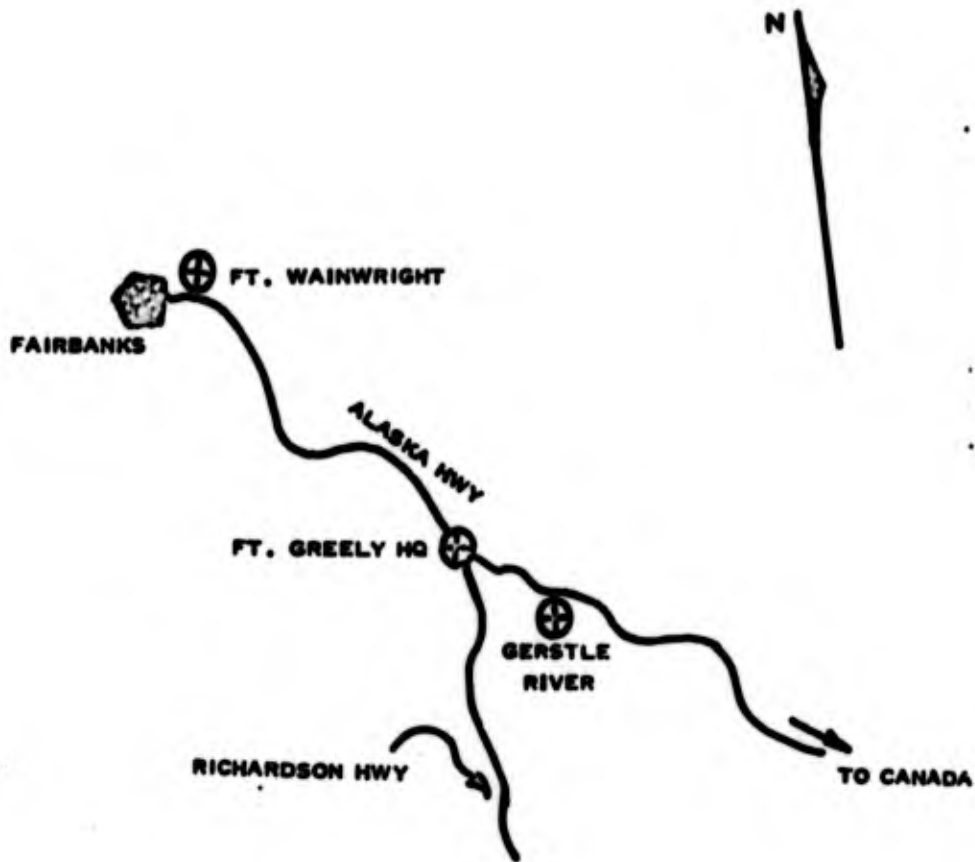
This report presents meteorological data as obtained from the processing of information recorded by the U. S. Army Meteorological Teams:

Any correspondence pertaining to processing and/or distribution of the inclosed data should be directed to:

**Commanding Officer and Director
Atmospheric Sciences Laboratory
U.S. Army Electronics Command
ATTN: AMSL-BL-M
White Sands Missile Range, N.M. 88002**

GEOGRAPHICAL DATA:

	<u>Elevation</u>	<u>Latitude</u>	<u>Longitude</u>
Alaska Field Station	475 ft MSL	64° 52'N	147° 40'W
Fox Lower	700 ft MSL	64° 57'N	147° 37'W
Arctic Med Rsch Lab	440 ft MSL	64° 50'N	147° 40'W



FT. GREELY TO FT. WAINWRIGHT 107 MI
FT. GREELY TO GERSTLE RIVER 38 MI

DATA COLLECTION SENSORS

<u>DATA</u>	<u>SENSORS</u>
Precipitation	Weighing-type recording 8" raingage
Temperature	Hygrothermograph or thermograph
Relative Humidity	Hygrothermograph (not measured during winter months)
Wind Direction & Speed	WS-101 Beckman & Whitley Wind Measuring System
Wind Chill	Derived from temperature and wind speed values.

NATURE OF SURFACE MATERIAL AROUND SENSORS

Alaska Field Station - Gravel

Fox Lower - Gravel and Dirt

Arctic Medical Rsch Lab - Open terrain, generally flat, snow-covered

UNITS OF DATA MEASUREMENT

Units of measurement for data collected by US Army Meteorological Teams that are tabulated for distribution by the Meteorological Support Activity:

<u>Meteorological Element</u>	<u>Unit of Measurement</u>
Precipitation - - - - -	Inches
Pressure- - - - -	Millibars
Temperature - - - - -	Degrees Fahrenheit
Relative Humidity - - - - -	Percent
Wind Direction- - - - -	Sixteen Points of the Compass with reference to true north
Wind Speed- - - - -	Miles per hour
Wind Chill- - - - -	Kilogram calories/M ² /Hour
Radiation - - - - -	Langleys
Ozone - - - - -	Parts per hundred million
Visibility- - - - -	Horizontal visibility in Statute miles
Sky Cover - - - - -	Tenths of Opaque Overcast
Snow Depth- - - - -	Inches
General Weather - - - - -	Predominant condition

All meteorological elements, except radiation, are tabulated on the 24-hour clock, local standard time. Radiation is tabulated on the 24-hour clock, true solar time.

ALASKA FIELD STATION AND FOX LOWER, Arctic Med Rsch Lab
DISTRIBUTION LIST

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ALASKA FIELD STATION FEBRUARY 1971

HOUR	1		2		3	
	PRECIP	WIND-DIRECT SPEED	PRECIP	WIND-DIRECT SPEED	PRECIP	WIND-DIRECT SPEED
1	0.	NE	0.	SSW	0.	NNW
2	0.	NW	0.	NNE	0.	SW
3	0.	NE	0.	ENE	0.	NNW
4	0.	C	0.	SSE	0.	FNE
5	0.	NE	0.	ENE	0.	NNE
6	0.	S	0.	E	0.	NNE
7	0.	S	0.		0.	NE
8	0.	NE	0.		0.	WSW
9	0.	ESE	0.		0.	NNE
10	0.	NE	0.		0.	NNE
11	0.	E	0.		0.	WSW
12	0.	ENE	0.		0.	NNE
13	0.	SE	0.		0.	WSW
14	0.	E	0.		0.	NE
15	0.	ENE	0.		0.	E
16	0.	NE	0.		0.	ENE
17	0.	NE	0.		0.	E
18	0.	WSW	0.		0.	ENE
19	0.	NE	0.	NNE	0.	ENE
20	0.	NE	0.	NNE	0.	NNE
21	0.	WSW	0.	NNE	0.	NNE
22	0.	N	0.	N	0.	NNE
23	0.	SW	0.	N	0.	NNE
24	0.	SW	0.	NNW	0.	WSW
TOT	0.00	25	0.00	12	0.00	24
AVE	-20	NE	-16	NNE	-18	NNE
MAX	-8	3	-6	1	-8	1
MIN	-32	0	-28	0	-29	1

ALASKA FIELD STATION FEBRUARY 1971

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HOUR	PRECIP	TEMP	WIND DIRECTION	WIND SPEED	PRECIP	TEMP	WIND DIRECTION	WIND SPEED	PRECIP	TEMP	WIND DIRECTION	WIND SPEED
1	0.	-22	E	1	0.	-12		C	.04	16	E	1
2	0.	-27		C	0.	-10	NW	1	.02	10	WSW	3
3	0.	-31	NNE	1	0.	-10	WSW	1	.01	8	WSW	1
4	0.	-33	NNE	1	0.	-8	SW	1	.02	6	WSW	2
5	0.	-34	NE	1	0.	-7	NNE	1	.03	5	WSW	1
6	0.	-36		C	0.	-5	NE	1	.01	6	WSW	1
7	0.	-37	NNE	1	0.	-3	SW	1	.01	7	WSW	1
8	0.	-38	NNE	1	0.	-3	WSW	1	.01	8	NNW	1
9	0.	-38	NNE	1	0.	-2	WSW	1	.01	10		C
10	0.	-34		C	0.	0	S	1	.01	13		C
11	0.	-30	SW	1	0.	1	SSW	1	.01	15		C
12	0.	-26		C	0.	3	NNW	1		18		C
13	0.	-24	SSW	1	0.	6	S	1	0.	18	W	C
14	0.	-23	S	1	0.	8	W	1	0.	18	W	C
15	0.	-25	WSW	1	0.	8	WSW	1	0.	17		C
16	0.	-26	SW	1	0.	8	W	1	0.	16		C
17	0.	-28	ESE	1	0.	9	WSW	1	0.	15	E	C
18	0.	-30	ESE	1	.01	10	WSW	1	0.	14		C
19	0.	-28	NE	1	.01	12	NNE	1	0.	9		C
20	0.	-26	NNE	1	T	13	NNE	1	0.	5		C
21	0.	-22	N	1	T	13	S	1	0.	-6		C
22	0.	-19	N	1	.01	14	NE	1	0.	-9		C
23	0.	-16	WSW	1	.04	15	SSE	1	0.	-10		C
24	0.	-14	NNW	1	.03	16	WSW	2	0.	-8		C
TOT	0.00			20	.10			24	.18			14
AVE		-28	NNE	1		3	WSW	1		8	WSW	1
MAX		-14		1		16		2		18		3
MIN		-38		0		-21		0		-10		0

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ALASKA FIELD STATION FEBRUARY 1971

HOUR	7		8		9	
	PRECIP	WIND- DIRECT SPEED	PRECIP	WIND- DIRECT SPEED	PRECIP	WIND- DIRECT SPEED
1	0.	-3	0.	S	0.	NW
2	0.	-1	0.	NNW	24	E
3	0.	1	0.	SW	14	ENE
4	0.	4	0.	N	10	WSW
5	0.	4	0.	SW	8	SW
6	0.	7	0.	ENE	8	SW
7	0.	8	0.	NNW	7	SW
8	0.	11	0.	WSW	7	SSW
9	0.	13	0.	N	7	SW
10	0.	17	0.	NNW	7	SW
11	0.	18	0.	WSW	7	WSW
12	0.	19	0.	NNE	8	WSW
13	0.	25	0.	WSW	7	WSW
14	0.	21	0.	SW	7	WSW
15	0.	20	0.	ENE	7	WSW
16	0.	18	0.	SSE	7	WSW
17	0.	18	0.	ENE	7	WSW
18	0.	18	0.	SW	7	SW
19	0.	18	0.	E	6	SW
20	0.	18	0.	WSW	5	WSW
21	0.	17	0.	WSW	5	WSW
22	0.	15	0.	WSW	4	WSW
23	0.	8	0.	WSW	4	WSW
24	0.	7	0.	WSW	2	WSW
TOT	0.00	13	0.00	WSW	0.01	WSW
AVE		25			8	
MAX		-3			24	
MIN					2	

ALASKA FIELD STATION FEBRUARY 1971

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HOUR	PRECIP	TEMP	WIND- DIRECT	WIND- SPEED	PRECIP	TEMP	WIND- DIRECT	WIND- SPEED	PRECIP	TEMP	WIND- DIRECT	WIND- SPEED
1	.01	2	E	1	0.	5	SW	1	0.	-5	E	1
2	T	0		C	0.	5	WSW	1	0.	-3	ENE	1
3	.01	0		C	0.	5	SW	1	0.	-1	N	1
4	T	1		C	0.	4	SW	1	0.	0	NE	1
5	.01	2		C	0.	4	WSW	1	0.	1	E	1
6	T	3		C	0.	4		C	0.	1	NE	2
7	.01	2	E	1	0.	3	WSW	1	0.	1	NNW	1
8	0.	3	ENE	1	0.	3	SW	1	0.	1	WSW	1
9	0.	3	WSW	1	0.	4	WSW	1	0.	1	W	1
10	0.	5	WSW	1	0.	5	WSW	1	0.	1	WSW	2
11	0.	6	WSW	1	0.	6	SW	1	0.	1	WSW	2
12	0.	5	WSW	1	0.	6	WSW	1	0.	1	WSW	1
13	0.	5	WSW	1	0.	7	WSW	1	0.	0	WSW	1
14	.01	4	WSW	1	0.	7	WSW	1	0.	0	WSW	2
15	T	4	SW	1	0.	7	WSW	1	0.	0	WSW	1
16	.01	4	WSW	1	0.	6	WSW	1	0.	0	WSW	1
17	.01	4	WSW	1	0.	5	WSW	2	0.	-1	WSW	1
18	.01	4	WSW	1	0.	6	NE	1	0.	-1	WSW	1
19	.01	4		C	0.	6	ENE	1	0.	-1		C
20	.01	4		C	0.	6	ENE	2	0.	-1		C
21	.01	4		C	0.	6	ENE	2	0.	-1		C
22	.01	4		C	0.	5	NE	1	0.	-1		C
23	.01	4		C	0.	4	NNE	1	0.	-1		C
24	.01	4		C	0.	1	E	2	0.	-3		C
TOT	.14	3	WSW	13	0.00	5	WSW	26	0.00	-0	WSW	22
AVE		6		1		7		1		1		1
MAX		0		0		1		0		-5		2
MIN												0

ALASKA FIELD STATION FEBRUARY 1971

HOUR	13			14			15		
	PRECIP	TEMP	WIND- DIRECT SPEED	PRECIP	TEMP	WIND- DIRECT SPEED	PRECIP	TEMP	WIND- DIRECT SPEED
1	0.	-5	E	0.	-38	NNE	0.	-19	N
2	0.	-9	E	0.	-40	NNE	0.	-18	WSW
3	0.	-16	C	0.	-39	NNE	0.	-17	NW
4	0.	-19	C	0.	-40	SSE	0.	-16	WSW
5	0.	-21	NNE	0.	-40	NE	0.	-15	NW
6	0.	-21	NNE	0.	-41	NE	0.	-15	WSW
7	0.	-7	ENE	0.	-41	NE	0.	-14	WSW
8	0.	-19	SE	0.	-41	NW	0.	-14	WSW
9	0.	-22	C	0.	-40	C	0.	-13	WSW
10	0.	-17	E	0.	-29	WSW	0.	-12	SW
11	0.	-10	WSW	0.	-23	WSW	0.	-12	WSW
12	0.	-6	WSW	0.	-22	WSW	0.	-9	WSW
13	0.	-3	SW	0.	-16	WSW	0.	-6	WSW
14	0.	-4	SW	0.	-21	W	0.	-6	WSW
15	0.	-9	WSW	0.	-23	WSW	0.	-5	NW
16	0.	-22	WSW	0.	-26	NE	0.	-13	WSW
17	0.	-28	E	0.	-28	NE	0.	-19	ENE
18	0.	-33	NE	0.	-34	N	0.	-21	ENE
19	0.	-35	NE	0.	-35	NE	0.	-7	ENE
20	0.	-36	NNE	0.	-30	N	0.	-4	FNE
21	0.	-37	NNE	0.	-26	WSW	0.	-6	E
22	0.	-38	NNE	0.	-23	WSW	0.	-6	WSW
23	0.	-38	NNE	0.	-21	N	0.	-5	SSE
24	0.	-39	NNE	0.	-20	N	0.	-8	WSW
TOT	0.00		23	0.00		21	0.00		
AVE		-21	NNE		-31	WSW		-12	WSW
MAX		-3	3		-16	2		-4	2
MIN		-39	0		-41	0		-21	1

ALASKA FIELD STATION FEBRUARY 1971

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HOUR	PRECIP	TEMP	WIND- DIRECT	WIND- SPEED	PRECIP	TEMP	WIND- DIRECT	WIND- SPEED	PRECIP	TEMP	WIND- DIRECT	WIND- SPEED
1	0.	-13	SW	2	0.	-15	WSW	?	0.	4	ENE	1
2	0.	-24	S	1	0.	-15	WSW	1	0.	5	ENE	1
3	0.	-24	SE	1	0.	-13	ESE	1	0.	4	WSW	1
4	0.	-30	NE	1	0.	-16	E	1	0.	2	SW	1
5	0.	-30	NE	1	0.	-15	E	1	0.	-1	WSW	2
6	0.	-30	NE	1	0.	-15	NE	1	0.	-2	WSW	1
7	0.	-25	ENE	1	0.	-12	ENE	1	0.	-5	WSW	1
8	0.	-19	NNE	1	0.	-11	NNE	1	0.	-4	FSE	1
9	0.	-20	SSW	1	0.	-8	NNE	1	0.	-2	E	1
10	0.	-17	ESE	1	0.	-1	NNE	1	0.	1	ESE	1
11	0.	-8	S	1	0.	2	ESE	1	0.	1	E	1
12	0.	-6	W	1	0.	9	NE	1	0.	3	E	1
13	0.	-11	W	1	0.	12	SSW	1	0.	4	ENE	1
14	0.	-9	NNE	1	0.	12	ESE	1	0.	4	WSW	1
15	0.	-9	NNE	1	0.	12	SW	1	0.	5	WSW	1
16	0.	-15	WSW	1	0.	12	ENE	1	0.	2	SSW	1
17	0.	-19	E	1	0.	7	E	1	0.	-8	FSE	1
18	0.	-19	ENE	1	0.	5	ENE	1	0.	-12	ESE	2
19	0.	-19	E	1	0.	1	SSE	1	0.	-13	E	1
20	0.	-18	ENE	1	0.	2	ENE	1	0.	-16	E	1
21	0.	-18	WSW	1	0.	3	E	1	0.	-16	NE	1
22	0.	-14	WSW	1	0.	1	ESE	1	0.	-16	NE	1
23	0.	-12	E	1	0.	5	E	1	0.	-16	E	1
24	0.	-13	E	1	0.	4	NNE	1	0.	-11	FNE	1
TOT	0.00			25	0.00			25	0.00			26
AVE		-18	E	1		-1	E	1		-4	E	1
MAX		-6		2		12		?		5		2
MIN		-30		1		-16		1		-16		1

ALASKA FIELD STATION FEBRUARY 1971

HOUR	19			20			21			
	PRECIP	TEMP	WIND- DIRECT SPEED	PRECIP	TEMP	WIND- DIRECT SPEED	PRECIP	TEMP	WIND- DIRECT SPEED	
1	0.	-9	NE	0.	13	E	0.	0	ESE	1
2	0.	-20	SSE	0.	8	N	0.	1	NE	1
3	0.	-19	NE	0.	6	NNE	0.	1	ESE	1
4	0.	-19	NE	0.	8	NNE	0.	0	ESE	1
5	0.	-18	ENE	0.	8	NNE	0.	0	ESE	1
6	0.	-16	NE	0.	3	NNE	0.	0	E	1
7	0.	-12	SW	0.	5	NNE	0.	2	NE	1
8	0.	-8	NNE	0.	8	W	0.	4	ESE	1
9	0.	-6	E	0.	11	NNE	0.	6	NE	1
10	0.	-4	E	0.	22	ESE	0.	12	SSW	1
11	0.	-1	WSW	0.	25	E	0.	18	W	1
12	0.	2	NE	0.	27	E	0.	21	W	1
13	0.	5	E	0.	26	E	0.	24	NNE	1
14	0.	8	SSW	0.	24	E	0.	26	W	1
15	0.	10	N	0.	22	NNE	0.	27	E	1
16	0.	8	W	0.	20	SE	0.	26	W	1
17	0.	6	NNE	0.	19	S	0.	25	ESE	1
18	0.	1	ESE	0.	18	E	0.	24	NE	1
19	0.	1	E	0.	14	E	0.	17	ENE	1
20	0.	1	N	0.	9	ENE	0.	14	NE	1
21	0.	2	SE	0.	6	SE	0.	13	SSE	1
22	0.	5	NE	0.	6	NNE	0.	14	NE	1
23	0.	6	NNE	0.	3	NNE	0.	16	WSW	1
24	0.	22	E	0.	1	NE	0.	20	SW	3
TOT	0.00			0.00			0.03			26
AVE		-2	NE		13	NNE		13	ESE	1
MAX		22			27			27		3
MIN		-20			1			0		1

ALASKA FIELD STATION FEBRUARY 1971

22		23		24					
HOUR	PRECIP TEMP	WIND DIRECTION	WIND SPEED	PRECIP TEMP	WIND DIRECTION	WIND SPEED	PRECIP TEMP	WIND DIRECTION	WIND SPEED
1	20	SW	2	-5	W	3	-27	N	1
2	19	SW	3	-7	W	3	-26	NNE	1
3	18	M	1	-10	W	2	-26	E	1
4	18	M	2	-12	W	2	-27	E	1
5	17	M	2	-17	W	1	-26	NNE	1
6	18	M	2	-24	ESE	1	-24	E	1
7	18	M	2	-25	NNE	1	-27	SE	1
8	17	M	2	-27	NW	1	-31	E	1
9	16	M	2	-20	WSW	2	-27	NE	1
10	15	W	2	-17	W	2	-23	W	1
11	14	W	2	-14	W	2	-20	ESE	2
12	13	W	2	-16	W	2	-19	WSW	2
13	13	W	3	-14	W	3	-18	WSW	2
14	12	W	3	-15	W	3	-17	WSW	2
15	10	W	3	-15	W	3	-16	WSW	2
16	9	W	3	-16	W	3	-28	WNW	1
17	8	W	3	-20	W	3	-29	E	1
18	6	W	1	-19	W	2	-35	NE	1
19	5	WNW	2	-19	W	2	-38	NNE	1
20	3	WNW	3	-20	W	2	-40	NNE	1
21	0	WNW	3	-22	W	2	-42	NNE	1
22	-1	WNW	2	-23	WSW	1	-43	NNE	1
23	-1	WNW	3	-23	WSW	1	-44	NNE	1
24	-3	WNW	3	-29	SSW	1	-44	NNE	1
TOT	0.00		56			32	.02		28
AVE	11		2	-18	W	1		NNE	1
MAX	20		3	-5		3			2
MIN	-3		1	-29		0			0

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ALASKA FIELD STATION FEBRUARY 1971

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HOUR	PRECIP	TEMP	WIND- DIRECT	WIND- SPEED	PRECIP	TEMP	WIND- DIRECT	WIND- SPEED	PRECIP	TEMP	WIND- DIRECT	WIND- SPEED
1	0.	-45	NNE	C	0.	-45	NNE	1	.01	-9	SW	1
2	0.	-46	NE	1	0.	-43	NNE	1	T	-9	W	1
3	0.	-46	N	1	0.	-44	NNE	1	0.	-9	WSW	1
4	0.	-43	N	1	0.	-45	NNE	1	0.	-8	NNE	1
5	0.	-42	N	1	0.	-45	NNE	1	0.	-7	WSW	1
6	0.	-43	N	1	0.	-46	SE	1	0.	-7	WSW	1
7	0.	-44	NNE	C	0.	-46	NE	1	0.	-6	WSW	M
8	0.	-45	N	1	0.	-41	NE	1	0.	-5	NNE	M
9	0.	-39	N	1	0.	-33	SSW	1	0.	-3	SW	M
10	0.	-33	WNW	1	0.	-27	W	1	0.	-1	WNW	M
11	0.	-28	WNW	1	0.	-21	WSW	1	0.	2	WNW	M
12	0.	-21	W	1	0.	-13	W	1	0.	7	FSE	M
13	0.	-19	W	1	0.	-10	WNW	1	0.	9	FSE	M
14	0.	-16	W	1	0.	-11	W	1	0.	9	E	1
15	0.	-15	W	1	0.	-11	WNW	1	0.	9	ESE	1
16	0.	-21	W	1	0.	-13	WSW	1	0.	9	SW	1
17	0.	-31	E	1	0.	-15	WSW	1	T	8	WSW	1
18	0.	-36	NE	1	0.	-13	NNE	1	.02	6	WSW	2
19	0.	-39	NNE	1	0.	-12	NNE	1	.01	3	W	2
20	0.	-41	NNE	1	0.	-11	N	1	T	1	NNE	2
21	0.	-43	NNE	1	0.	-9	NNW	1	T	0	ENE	2
22	0.	-43	NNE	1	.01	-10	N	1	T	1	NNW	1
23	0.	-44	NNE	1	T	-11	S	1	.01	2	NE	1
24	0.	-45	NNE	1	T	-10	N	1	.01	3	NNE	1
TOT	0.00			22	.01			24	.06			
AVE		-36	NNE	1		-24	NNE	1		0	WSW	1
MAX		-15		1		-9		1		9		2
MIN		-46		0		-46		1		-9		0

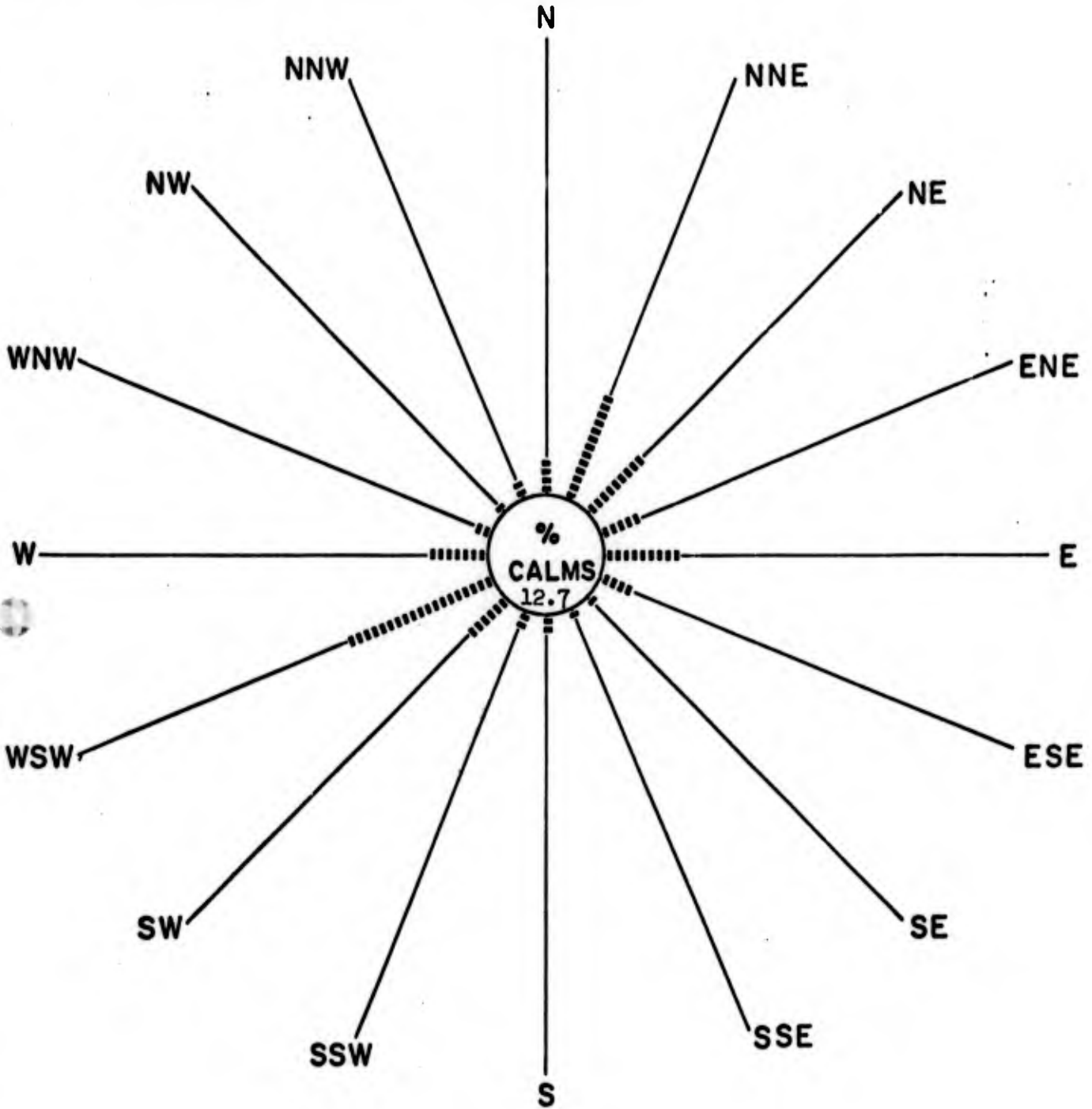
ALASKA FIELD STATION FEBRUARY 1971

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HOUR	PRECIP	TEMP	WIND DIRECT	WIND SPEED
1	T	3	ESE	1
2	T	3		C
3	T	2		C
4	T	2		C
5	T	2		C
6	.01	2		C
7	T	0	W	1
8	T	-1	WSW	1
9	0.	-1	WSW	1
10	0.	-2	WSW	1
11	0.	-2	WSW	1
12	0.	-1	SW	1
13	0.	-2	WSW	1
14	0.	-1	WSW	1
15	0.	-1	WSW	1
16	0.	-2	WSW	1
17	0.	-2	S	2
18	0.	-5	NNE	2
19	0.	-6	E	2
20	T	-3	NE	1
21	.01	-1	NE	1
22	.01	0	NE	1
23	T	0	NE	1
24	.01	0		C
TOT	.04			21
AVE		-1	WSW	1
MAX		3		2
MIN		-6		0

W I N D R O S
ALASKA FIELD STATION FEBRUARY 1971

DIR	HOURLY OBSERVATIONS OF WIND SPEEDS											TOT	AVG SPU		
	1--3	4--7	8--12	13--18	19--24	25--31	32--38	39--46	OVER 46						
N	FREQ 23	0	0	0	0	0	0	0	0	0	0	0	0	23	1
	PCT 3.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.52	
NNE	FREQ 84	0	0	0	0	0	0	0	0	0	0	0	0	84	1
	PCT 12.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.86	
NE	FREQ 57	0	0	0	0	0	0	0	0	0	0	0	0	57	1
	PCT 8.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.73	
ENE	FREQ 34	1	0	0	0	0	0	0	0	0	0	0	0	35	1
	PCT 5.21	.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.36	
E	FREQ 59	1	0	0	0	0	0	0	0	0	0	0	0	60	1
	PCT 9.04	.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.19	
ESE	FREQ 25	1	0	0	0	0	0	0	0	0	0	0	0	26	1
	PCT 3.83	.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.98	
SE	FREQ 8	0	0	0	0	0	0	0	0	0	0	0	0	8	1
	PCT 1.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.23	
SSE	FREQ 8	0	0	0	0	0	0	0	0	0	0	0	0	8	1
	PCT 1.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.23	
S	FREQ 13	0	0	0	0	0	0	0	0	0	0	0	0	13	1
	PCT 1.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.99	
SSW	FREQ 12	0	0	0	0	0	0	0	0	0	0	0	0	12	1
	PCT 1.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.84	
SW	FREQ 39	1	0	0	0	0	0	0	0	0	0	0	0	40	1
	PCT 5.97	.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.13	
WSW	FREQ 126	1	0	0	0	0	0	0	0	0	0	0	0	127	1
	PCT 19.30	.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	19.45	
W	FREQ 46	0	0	0	0	0	0	0	0	0	0	0	0	46	2
	PCT 7.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.04	
WNW	FREQ 13	0	0	0	0	0	0	0	0	0	0	0	0	13	2
	PCT 1.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.99	
NW	FREQ 7	0	0	0	0	0	0	0	0	0	0	0	0	7	1
	PCT 1.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.07	
NNW	FREQ 11	0	0	0	0	0	0	0	0	0	0	0	0	11	1
	PCT 1.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.68	
TOT	FREQ 565	5	0	0	0	0	0	0	0	0	0	0	0	570	
	PCT 86.52	.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	87.29	
CALM	FREQ 83	PCT 12.71												2.83	



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2.8 % OF DATA MISSING

LEGEND: EACH BLIP EQUALS ONE PERCENT OF DIRECTION FREQUENCY.

1 TO 12 MPH 0000000000
13 TO 31 MPH 0000000000
32 AND OVER 0000000000

ALASKA FIELD STATION FEBRUARY 1971
 HOURLY AVERAGES FOR THE MONTH

HOUR	PRECIP	TEMP	WIND- DIRECT	WIND- SPEED
1	T	-9	E	1
2	T	-10	NNE	1
3	T	-11	NNE	1
4	T	-12	NNE	1
5	T	-12	NNE	1
6	T	-12	NE	1
7	T	-11	WSW	1
8	T	-11	NNE	1
9	T	-9	WSW	1
10	T	-6	WSW	1
11	T	-3	WSW	1
12	0.00	-1	WSW	1
13	0.00	1	WSW	1
14	T	0	WSW	1
15	T	-0	WSW	1
16	T	-3	WSW	1
17	T	-5	E	1
18	T	-7	NE	1
19	T	-7	E	1
20	T	-7	NNE	1
21	T	-7	NNE	1
22	T	-7	WSW	1
23	T	-7	NNE	1
24	T	-7	NNE	1

ALASKA FIELD STATION FEBRUARY 1971
MONTHLY CLIMATOLOGICAL SUMMARY

PRECIP TEMP WIND WIND-
DIRECT SPEED

TOT	.61		
AVE			
MAX	-7	WSW	1
MIN	5	ENE	5
	-19		

TOT IS AVERAGE FOR THE MONTH EXCEPT FOR PRECIPITATION
AVE MAX WIND SPEED AND DIRECTION IS ACTUAL MAXIMUM SPEED AND CONCURRENT DIRECTION
THE MAXIMUM SPEED OCCURRED 1 TIME

FOX LOWER FERRARY 1971

1

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3

HOUR	PRECIP	TEMP	WIND-DIRECT	SPEED	PRECIP	TEMP	WIND-DIRECT	SPEED	PRECIP	TEMP	WIND-DIRECT	SPEED
1	0.	-15	ENE	3	0.	-6	WSW	3	0.	-17	ENE	2
2	0.	-22	ENE	3	0.	-12	SW	1	0.	-14	NE	1
3	0.	-20	ENE	3	0.	-12	ENE	1	0.	-18	ESE	2
4	0.	-17	NE	1	0.	-10	NE	1	0.	-23	ESE	2
5	0.	-20	NE	2	0.	-8	WSW	1	0.	-26	E	2
6	0.	-23	ENE	4	0.	-7	SW	1	0.	-25	E	2
7	0.	-19	NE	2	0.	-7	SW	1	0.	-23	ENE	3
8	0.	-21	ENE	2	0.	-7	SW	1	0.	-20	ENE	3
9	0.	-21	NE	2	0.	-7	SW	1	0.	-18	NE	2
10	0.	-21	ENE	1	0.	-7	SW	1	0.	-13	NE	2
11	0.	-21	NE	1	0.	-6	SW	1	0.	-13	NE	4
12	0.	-19	ENE	1	0.	-5	WSW	1	0.	-13	NE	3
13	0.	-12	E	1	0.	-6	N	1	0.	-13	NE	4
14	0.	-14	ENE	1	0.	-9	SE	2	0.	-13	NE	4
15	0.	-16	ENE	1	0.	-12	SE	2	0.	-12	NE	4
16	0.	-18	ENE	1	0.	-11	SE	2	0.	-13	NE	4
17	0.	-14	ENE	1	0.	-12	ESE	2	0.	-15	NE	3
18	0.	-14	ENE	1	0.	-15	E	1	0.	-17	E	4
19	0.	-7	ENE	3	0.	-20	ESE	2	0.	-18	E	4
20	0.	-5	E	2	0.	-24	ESE	2	0.	-20	ESE	4
21	0.	-6	ENE	3	0.	-25	E	2	0.	-16	E	2
22	0.	-3	NE	2	0.	-20	ENE	2	0.	-13	E	2
23	0.	-5	NE	2	0.	-18	NE	2	0.	-14	WSW	2
24	0.	-6	ESE	1	0.	-18	ENE	3	0.	-12	ENE	2
TOT	0.00			44	0.00			35	0.00			66
AVE		-15	ENE	2		-12	SW	1		-17	NE	3
MAX		-3		4		-5		3		-12		4
MIN		-23		1		-25		0		-26		1

FOX LOWER FEBRUARY 1971

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6

HOUR	PRECIP	TEMP	WIND- DIRECT	WIND- SPEED	PRECIP	TEMP	WIND- DIRECT	WIND- SPEED	PRECIP	TEMP	WIND- DIRECT	WIND- SPEED
1	0.	-11	E	2	0.	-5	E	2	.04	18	SSW	C
2	0.	-17	SE	3	0.	-4	NE	2	.03	17	SW	3
3	0.	-23	E	1	0.	-2	NE	2	.01	14	SW	2
4	0.	-22	ESE	2	0.	-2	SSW	1	.01	11	SW	1
5	0.	-23	ESE	3	0.	-1	SW	1	.02	9	SW	1
6	0.	-24	ESE	3	0.	-1	SW	2	.02	10	SW	C
7	0.	-26	ENE	2	0.	-1	N	1	.02	11	SW	1
8	0.	-26	ENE	2	0.	0	SSW	1	T	12	NNE	1
9	0.	-24	E	3	0.	2	SSW	1	.02	13	SW	C
10	0.	-30	ENE	1	0.	4	NE	1	T	14	SW	1
11	0.	-27	NE	1	0.	6	NNE	1	T	17	S	2
12	0.	-19	E	C	0.	7	SSW	C	.01	17	SSW	2
13	0.	-16	E	1	0.	8	SSW	1	0.	18	SSW	C
14	0.	-15	E	1	0.	10	SSW	1	0.	18	SSW	1
15	0.	-17	ENE	1	0.	11	NNE	3	0.	17	SSW	2
16	0.	-19	NNE	2	0.	12	NNE	2	0.	17	S	2
17	0.	-21	NNE	2	0.	13	NE	1	0.	17	S	1
18	0.	-18	NE	2	0.	15	NE	3	0.	16	E	C
19	0.	-20	NE	2	0.	16	NE	3	0.	11	E	1
20	0.	-16	NE	2	.02	16	ENE	2	0.	5	E	2
21	0.	-15	NNE	2	.01	16	ENE	2	0.	1	E	2
22	0.	-12	NNE	2	T	17	NE	1	0.	1	ENE	2
23	0.	-8	NE	2	.01	18	SE	1	0.	0	ENE	2
24	0.	-8	NE	2	.02	18	NE	2	0.	1	ENE	2
					.04	18	WNW	2	0.	1	ENE	1
TOT	0.00			44	.10			37	.18			30
AVE		-19	NE	2		7	NE	2		12	SW	1
MAX		-8		3		18		3		18		3
MIN		-30		0		-5		0		0		0

FOX LOWER FEBRUARY 1971

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9

HOUR	PRECIP	TEMP	WIND- DIRECT	SPEED	PRECIP	TEMP	WIND- DIRECT	SPEED	PRECIP	TEMP	WIND- DIRECT	SPEED
1	0.	5	NE	2	0.	12	SSE	2	0.	22	N	5
2	0.	8	NE	1	0.	18	ENE	4	0.	20	NNW	5
3	0.	14	NE	2	0.	15	NNE	4	0.	19	N	6
4	0.	16	NNE	4	0.	16	ENE	4	0.	20	N	5
5	0.	18	NNE	4	0.	19	NNE	6	0.	20	NNE	4
6	0.	18	NNE	4	0.	18	NNE	5	0.	9	SSW	7
7	0.	21	NE	3	0.	16	NE	5	0.	9	SW	5
8	0.	23	NE	5	0.	14	NE	5	0.	8	SW	4
9	0.	25	NNE	6	0.	15	NNE	6	0.	7	SW	4
10	0.	25	NE	5	0.	17	NNE	6	0.	7	SW	2
11	0.	28	NNE	5	0.	18	NNE	6	0.	8	SW	3
12	0.	29	N	6	0.	20	NNE	6	0.	8	SW	3
13	0.	31	ENE	3	0.	25	NNE	5	0.	8	SSW	2
14	0.	30	ESE	2	0.	23	NNE	4	0.	9	SW	2
15	0.	27	SSE	2	0.	28	NNE	5	0.	8	SW	3
16	0.	26	NE	1	0.	29	NNE	4	0.	8	SSW	3
17	0.	24	NNE	5	0.	31	NNE	4	0.	7	SSW	1
18	0.	22	NE	4	0.	30	NNE	4	0.	7	SSW	1
19	0.	22	NE	6	0.	28	SW	2	0.	7	NW	2
20	0.	24	SW	2	0.	28	NE	3	0.	7	NW	3
21	0.	21	SSW	1	0.	28	NNE	1	0.	6	NW	3
22	0.	18	SSE	1	0.	33	NNE	5	0.	6	NNW	2
23	0.	18	NE	3	0.	26	SSW	2	0.	5	NNW	3
24	0.	17	NE	2	0.	24	N	5	0.	4	NNW	3
TOT	0.00			79	0.00			103	0.00			81
AVE		21	NE	4		22	NNE	4		10	SW	3
MAX		31		6		33		6		22		7
MIN		5		1		12		1		4		1

FOX LOWER FEBRUARY 1971

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12

HOUR	PRECIP	TEMP	WIND-DIRECT	WIND-SPEED	PRECIP	TEMP	WIND-DIRECT	WIND-SPEED	PRECIP	TEMP	WIND-DIRECT	WIND-SPEED
1	T	4	N	3	T	4	N	3	0.	-5	NNE	4
2	.01	3	NNW	3	T	4	NNW	2	0.	-11	E	2
3	T	3	NNW	3	T	4	NNW	2	0.	-9	NNE	2
4	.01	3	N	3	T	4	N	2	0.	-3	NE	2
5	T	3	N	3	.01	4	N	2	0.	-4	NE	4
6	T	3	N	2	T	4	N	3	0.	-2	NE	2
7	.01	3	NNW	2	T	4	NNW	2	0.	-1	NNE	2
8	T	3	NNW	2	.01	4	N	3	0.	0	N	2
9	T	4	NNE	2	0.	4	NNW	3	0.	1	N	2
10	T	5	N	2	0.	5	NNW	3	0.	1	N	3
11	T	7	N	1	0.	5	NNW	2	0.	2	NNW	4
12	T	6	SW	2	0.	6	NNW	3	0.	3	NNW	1
13	T	9	N	1	0.	6	NNW	3	0.	3	NNW	3
14	.01	8	NNW	C	0.	6	NNW	3	0.	2	NNW	3
15	T	7	NE	1	0.	6	NNW	4	0.	1	N	2
16	.01	6	WSW	1	0.	6	NNW	4	0.	1	NNW	2
17	T	5	N	C	0.	6	N	1	0.	1	NNW	2
18	.01	5	N	1	0.	6	N	4	0.	1	NNW	3
19	T	5	SW	1	0.	4	N	4	0.	0	NNW	3
20	.01	5	N	1	0.	2	N	3	0.	0	NNW	3
21	T	5	NNW	2	0.	2	N	4	0.	0	N	3
22	.01	5	N	2	0.	2	N	2	0.	0	NNW	3
23	.01	5	N	2	0.	2	N	4	0.	0	NNW	2
24	.01	5	N	2	0.	0	N	4	0.	-1	NNW	3
TOT	.10			42	.02			70	0.00			63
AVE		5	N	2		4	N	3		-1	NNW	3
MAX		9		3		6		4		3		4
MIN		3		0		0		1		-11		1

FOX LOWER FEBRUARY 1971

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14

15

HOUR	PRECIP	TEMP	WIND- DIRECT	WIND- SPEED	PRECIP	TEMP	WIND- DIRECT	WIND- SPEED	PRECIP	TEMP	WIND- DIRECT	WIND- SPEED
1	0.	-1	N	3	0.	-32	NNE	2	0.	-16	SW	2
2	0.	-3	N	3	0.	-31	NE	2	0.	-16	SW	2
3	0.	-4	N	2	0.	-32	ENE	2	0.	-15	SW	1
4	0.	-8	ENE	2	0.	-31	NE	2	0.	-16	SW	1
5	0.	-11	NE	2	0.	-31	NE	2	0.	-15	SW	1
6	0.	-15	NE	3	0.	-31	NE	2	0.	-14	SW	1
7	0.	-19	ENE	2	0.	-34	NE	1	0.	-14	SW	1
8	0.	-19	NE	2	0.	-30	NE	3	0.	-13	SW	2
9	0.	-21	NE	3	0.	-31	NE	2	0.	-12	SW	2
10	0.	-18	NE	3	0.	-25	ENE	1	0.	-10	SW	1
11	0.	-14	NNE	3	0.	-19	NE	1	0.	-7	SW	2
12	0.	-6	NE	2	0.	-11	NE	1	0.	-5	NNW	2
13	0.	-5	N	3	0.	-10	ESE	1	0.	-3	N	3
14	0.	-3	NNE	2	0.	-9	SSW	1	0.	-1	WSW	1
15	0.	-9	NNE	3	0.	-10	S	1	0.	-2	NNW	4
16	0.	-13	E	3	0.	-18	SSW	1	0.	-9	NNW	3
17	0.	-19	ENE	3	0.	-25	S	1	0.	-13	ESE	1
18	0.	-23	NE	3	0.	-31	ENE	2	0.	-14	FNE	1
19	0.	-26	NE	2	0.	-29	NE	2	0.	-11	FNE	2
20	0.	-27	NE	3	0.	-20	SW	2	0.	-6	NE	2
21	0.	-26	ENE	2	0.	-20	SW	1	0.	-5	NE	4
22	0.	-28	NE	3	0.	-19	SW	1	0.	-4	NNE	3
23	0.	-28	NE	3	0.	-17	SW	C	0.	-3	SW	1
24	0.	-31	NE	2	0.	-16	SW	2	0.	-4	NE	3
TOT	0.00			62	0.00			36	0.00			46
AVE		-16	NE	3		-23	NE	2		-10	SW	5
MAX		-1		3		-9		3		-1		4
MIN		-31		2		-34		0		-16		0

FOX LOWER FEBRUARY 1971

16

17

18

HOUR	PRECIP	TEMP	WIND- DIRECT	WIND- SPEED	PRECIP	TEMP	WIND- DIRECT	WIND- SPEED	PRECIP	TEMP	WIND- DIRECT	WIND- SPEED
1	0.	-15	SW	3	0.	-2	SSW	2	0.	10	E	1
2	0.	-20	ESE	2	0.	-1	ENE	1	0.	10	ENE	1
3	0.	-16	SW	2	0.	-3	NE	2	0.	9	ENE	1
4	0.	-22	SW	4	0.	-2	SSW	1	0.	8	ENE	1
5	0.	-24	ENE	2	0.	2	ENE	1	0.	6	SE	1
6	0.	-24	ESE	1	0.	6	ENE	2	0.	2	SW	2
7	0.	-20	ENE	1	0.	7	ENE	3	0.	-2	SSW	2
8	0.	-18	N	1	0.	6	ENE	2	0.	-3	SSW	3
9	0.	-22	N	1	0.	9	ENE	1	0.	-2	WSW	3
10	0.	-15		C	0.	9	ENE	1	0.	-2	SW	3
11	0.	-8		C	0.	11	SSE	1	0.	-1	SW	3
12	0.	-9	SSW	1	0.	12	NNE	1	0.	1	WSW	3
13	0.	-12	SSW	1	0.	13	SSW	1	0.	1	SW	2
14	0.	-8	NE	1	0.	14		C	0.	2	SW	2
15	0.	-9	NE	2	0.	13		C	0.	3	SSW	2
16	0.	-12	E	1	0.	13		C	0.	-1	SSW	1
17	0.	-14	E	2	0.	10		C	0.	-9	SE	1
18	0.	-13	ENE	2	0.	7	NE	1	0.	-12	E	1
19	0.	-13	ENE	2	0.	5	ENE	1	0.	-15	E	2
20	0.	-14	NE	2	0.	7	ENE	2	0.	-16	E	2
21	0.	-9	NE	1	0.	7	ENE	1	0.	-14	E	1
22	0.	-4	SE	2	0.	5	ENE	1	0.	-13	E	1
23	0.	-4	ENE	2	0.	10	NE	1	0.	-11	ENE	1
24	0.	-1	SSW	1	0.	10	ENE	2	0.	-9	E	1
TOT	0.00			37	0.00			28	0.00			41
AVE		-14	ENE	2		7	ENE	1		-2	E	2
MAX		-1		4		14		3		10		3
MIN		-24		0		-3		0		-16		1

FOX LOWER FEBRUARY 1971

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21

HOUR	PRECIP	TEMP	WIND- DIRECT	WIND- SPEED	PRECIP	TEMP	WIND- DIRECT	WIND- SPEED	PRECIP	TEMP	WIND- DIRECT	WIND- SPEED
1	0.	-9		C	0.	12	SW	1	0.	11	ENE	3
2	0.	-14	E	1	0.	12	NE	2	0.	15	FNE	2
3	0.	-16	E	1	0.	12	ENE	2	0.	13	FNE	3
4	0.	-14	ENE	1	0.	15	ENE	1	0.	11	E	3
5	0.	-13	ENE	2	0.	13	ENE	3	0.	11	E	2
6	0.	-9	ENE	2	0.	12	E	3	0.	11	E	2
7	0.	-6	E	2	0.	13	ENE	2	0.	15	ENE	2
8	0.	-3	ENE	2	0.	15	ENE	1	0.	17	FNE	2
9	0.	-3	NE	3	0.	19	ENE	1	0.	20	E	2
10	0.	0		C	0.	20	E	1	0.	22	FNE	2
11	0.	5	NE	1	0.	23	ENE	1	0.	23		C
12	0.	8	NE	2	0.	24	E	1	0.	24		C
13	0.	8	NE	2	0.	25	ENE	1	0.	27		C
14	0.	10	NNE	4	0.	23	ENE	1	0.	29		C
15	0.	9	NNE	3	0.	24	E	1	0.	28		C
16	0.	6	NNE	2	0.	23	ENE	2	0.	26		C
17	0.	5	NNE	2	0.	22	ENE	2	0.	25	ENE	1
18	0.	1	NE	1	0.	20	ENE	2	0.	22	E	1
19	0.	2	ENE	1	0.	18	ENE	2	0.	17	E	1
20	0.	3	ENE	1	0.	15	ENE	2	0.	17	FNE	1
21	0.	7	ENE	1	0.	14	ENE	2	0.	17	FNE	1
22	0.	9	ENE	1	0.	13	ENE	3	0.	18	E	1
23	0.	9	NE	1	0.	10	E	3	0.	19		C
24	0.	13	NE	1	0.	11	ENE	2	0.	19	ESE	1
TOT	0.00			35	0.00			41	.01			39
AVE		0	ENE	3		17	ENE	4		19	ENE	1
MAX		13		4		25		3		29		3
MIN		-16		0		10		0		11		0

FOX LOWER FEBRUARY 1971

22

23

24

HOUR	PRECIP	TEMP	WIND- DIRECT	WIND- SPEED	PRECIP	TEMP	WIND- DIRECT	WIND- SPEED	PRECIP	TEMP	WIND- DIRECT	WIND- SPEED
1	0.	21	SSW	3	0.	-6	SW	4	.01	-29	NE	1
2	0.	19	SSW	3	0.	-7	SW	4	T	-28	NNE	1
3	0.	18	NW	1	0.	-10	SW	4	T	-27		C
4	0.	18		C	0.	-13	SW	2	T	-28		C
5	0.	18	WSW	1	0.	-16	SW	2	.01	-30	ENE	1
6	0.	17	SW	1	0.	-19	ESE	2	T	-28	ENE	1
7	0.	16	SW	4	0.	-22		C	T	-27	ENE	1
8	0.	15	SW	4	0.	-23		C	.01	-32	E	1
9	0.	15	SW	3	0.	-22	SSW	1	0.	-33	E	1
10	0.	12	SW	3	0.	-17	SW	3	0.	-28	N	1
11	0.	11	SW	3	0.	-16	WSW	4	0.	-23		C
12	0.	11	SW	3	0.	-16	WSW	5	0.	-19	SSW	2
13	0.	11	WSW	3	0.	-16	WSW	3	0.	-18	SSW	3
14	0.	10	SW	4	0.	-16	WSW	3	0.	-18	SW	3
15	0.	9	SW	4	0.	-18	SW	2	0.	-18	SW	2
16	0.	7	WSW	3	0.	-20	WSW	4	0.	-25	SW	1
17	0.	5	WSW	3	T	-22	WSW	2	0.	-33	E	1
18	0.	4	WSW	2	.01	-22	SE	1	0.	-37	E	1
19	0.	3	WSW	2	T	-22	SW	1	0.	-38	E	2
20	0.	2	WSW	3	.01	-22	SSW	1	0.	-39	E	2
21	0.	0	WSW	3	T	-24	SW	1	0.	-40	E	2
22	0.	-5	SW	2	T	-26	ESE	1	0.	-40	E	2
23	0.	-4	WSW	3	T	-27	E	1	0.	-40	E	2
24	0.	-4	SW	5	T	-28	ENE	1	0.	-41	E	1
TOT	0.00			66	.02			52	.03			32
AVE		10	SW	3		-19	SW	2		-29	E	1
MAX		21		5		-6		5		-18		3
MIN		-5		0		-28		0		-41		0

FOX LOWER FEBRUARY 1971

25

26

27

HOUR	PRECIP	TEMP	WIND- DIRECT	SPEED	PRECIP	TEMP	WIND- DIRECT	SPEED	PRECIP	TEMP	WIND- DIRECT	SPEED
1	0.	-41	E	1	0.	-39	ENE	1	T	-11		C
2	0.	-41	E	1	0.	-41	ENE	1	.01	-10		C
3	0.	-42	ENE	1	0.	-39	ENE	1	T	-9		C
4	0.	-41	E	1	0.	-41	E	1	T	-9		C
5	0.	-41	E	1	0.	-41	ENE	1	0.	-8		C
6	0.	-42	ENE	1	0.	-40	ENE	2	0.	-8		C
7	0.	-42	ENE	1	0.	-38	ENE	2	0.	-7		C
8	0.	-42	ENE	1	0.	-39	ENE	1	0.	-7		C
9	0.	-38	ENE	1	0.	-32	ENE	2	0.	-6		C
10	0.	-32	ENE	C	0.	-22	ENE	1	0.	-3		C
11	0.	-25	SSW	C	0.	-17		C	0.	0		C
12	0.	-19	SSW	1	0.	-9		C	0.	3	SSW	1
13	0.	-15	SSW	1	0.	-6		C	0.	6	SW	1
14	0.	-12	SW	1	0.	-7		C	0.	8	SSW	1
15	0.	-14	SSW	2	0.	-9	SW	1	0.	7	SSW	2
16	0.	-15	SSW	1	0.	-8	SSW	2	0.	7	SSW	1
17	0.	-24	SSW	1	0.	-9	SSW	1	0.	6	SSW	2
18	0.	-31	E	1	0.	-11	SSW	2	.01	6	SSW	3
19	0.	-36	E	2	0.	-11	SSE	1	.02	6	SSW	2
20	0.	-36	ENE	2	0.	-11		C	T	5	SSW	1
21	0.	-36	ENE	2	0.	-11		C	T	4	WSW	1
22	0.	-37	ENE	2	T	-10	NE	1	T	2	SSW	1
23	0.	-37	E	1	T	-11		C	.01	2		C
24	0.	-38	E	1	.01	-11		C	.01	2		C
TOT	0.00			27	.01			23	.06			15
AVE		-32	E	1		-21	ENE	1		-1	SSW	1
MAX		-12		2		-6		2		8		3
MIN		-42		0		-41		0		-11		0

FOX LOWER FEBRUARY 1971

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HOUR	PRECIP	TEMP	WIND DIRECTION	WIND SPEED
1	T	3		C
2	.01	2		C
3	T	2		C
4	.01	3	SW	1
5	T	3	SSW	1
6	.01	2	SSW	1
7	T	1	NW	1
8	T	0	NNW	1
9	T	-1	N	3
10	0.	-2	N	2
11	0.	-2	N	2
12	0.	2	N	1
13	0.	0	SW	2
14	0.	-1	WSW	1
15	0.	-1	SW	1
16	T	0	SW	1
17	.01	-1	N	2
18	T	-2	N	3
19	.01	-3	NNE	3
20	T	-3	NNE	3
21	T	-3	NNE	4
22	T	-3	NNE	5
23	.01	-3	NNE	5
24	T	-2	NNE	5
TOT	.06			48
AVE		-0	N	2
MAX		3		5
MIN		-3		0

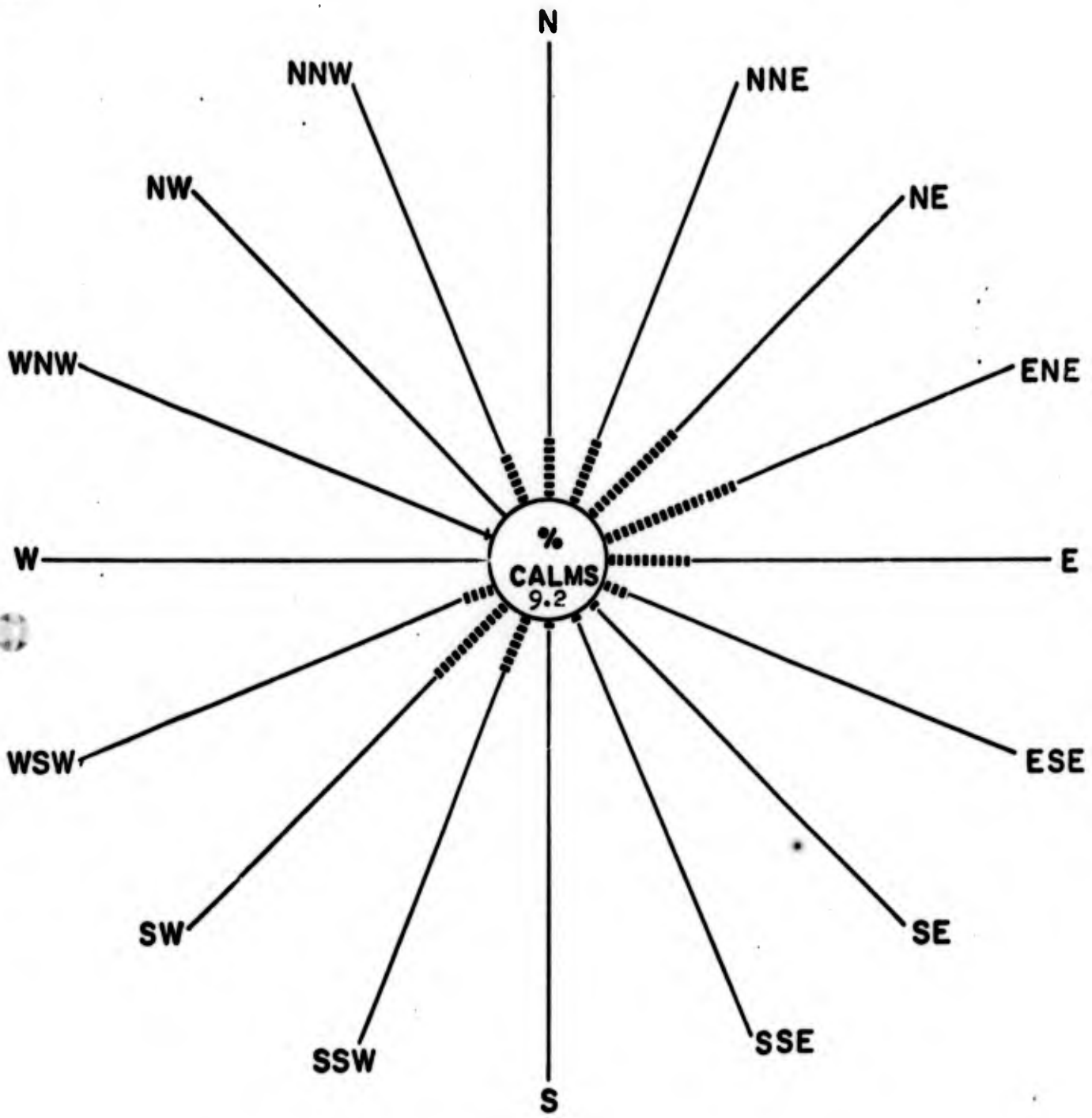
W I N D R O U N D
 FOX LOWER FEBRUARY 1971

DIR	HOURLY OBSERVATIONS OF WIND SPEEDS												TOT	AVG SPD
	1--3	4--7	8--12	13--18	19--24	25--31	32--38	39--46	OVER 46					
N	FREQ 39	10	0	0	0	0	0	0	0	0	0	0	49	3
	PCT 5.80	1.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.29	
NNE	FREQ 25	26	0	0	0	0	0	0	0	0	0	0	51	4
	PCT 3.72	3.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.59	
NE	FREQ 79	13	0	0	0	0	0	0	0	0	0	0	92	3
	PCT 11.76	1.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.69	
ENE	FREQ 113	3	0	0	0	0	0	0	0	0	0	0	116	2
	PCT 16.82	.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17.26	
E	FREQ 65	1	0	0	0	0	0	0	0	0	0	0	66	2
	PCT 9.68	.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.82	
ESE	FREQ 18	1	0	0	0	0	0	0	0	0	0	0	19	2
	PCT 2.68	.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.83	
SE	FREQ 8	0	0	0	0	0	0	0	0	0	0	0	8	2
	PCT 1.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.19	
SSE	FREQ 5	0	0	0	0	0	0	0	0	0	0	0	5	1
	PCT .74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	.74	
S	FREQ 5	0	0	0	0	0	0	0	0	0	0	0	5	1
	PCT .74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	.74	
SSW	FREQ 49	1	0	0	0	0	0	0	0	0	0	0	50	2
	PCT 7.29	.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.44	
SW	FREQ 68	12	0	0	0	0	0	0	0	0	0	0	80	3
	PCT 10.12	1.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.90	
WSW	FREQ 22	3	0	0	0	0	0	0	0	0	0	0	25	2
	PCT 3.27	.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.72	
W	FREQ 0	0	0	0	0	0	0	0	0	0	0	0	0	0
	PCT 0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
WNW	FREQ 1	0	0	0	0	0	0	0	0	0	0	0	1	2
	PCT .15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	.15	
NW	FREQ 6	0	0	0	0	0	0	0	0	0	0	0	6	2
	PCT .89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	.89	
NNW	FREQ 32	4	0	0	0	0	0	0	0	0	0	0	37	3
	PCT 4.91	.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.51	
TOT	FREQ 536	74	0	0	0	0	0	0	0	0	0	0	610	
	PCT 79.77	11.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	90.17	
CALM	FREQ 62	PCT 9.23											0.00	

FOX LOWER

WIND ROSE

FEBRUARY 1971



- 26 -

- 0 - % OF DATA MISSING

LEGEND: EACH BLIP EQUALS ONE PERCENT OF DIRECTION FREQUENCY.

- 1 TO 12 MPH [blip pattern]
- 13 TO 31 MPH [blip pattern]
- 32 AND OVER [blip pattern]

FOX LOWER FEBRUARY 1971
 HOURLY AVERAGES FOR THE MONTH

HOUR	PRECIP	TEMP	WIND DIRECT	WIND- SPEED
1	T	-5	ENE	2
2	T	-6	ENE	2
3	T	-6	ENE	2
4	T	-6	ENE	2
5	T	-7	ENE	2
6	T	-7	ENE	3
7	T	-7	ENE	2
8	T	-7	ENE	3
9	T	-6	NE	3
10	T	-4	ENE	2
11	T	-1	NE	3
12	T	1	SSW	2
13	T	2	SSW	2
14	T	3	SW	2
15	T	2	SW	2
16	T	1	SSW	2
17	T	-2	E	2
18	T	-3	NE	2
19	T	-4	ENE	2
20	T	-4	ENE	2
21	T	-4	ENE	2
22	T	-4	ENE	2
23	T	-4	NE	2
24	T	-4	ENE	3

FOX LOWER FEBRUARY 1971
MONTHLY CLIMATOLOGICAL SUMMARY

	PRECIP	TEMP	WIND DIRECT	WIND- SPEED
TOT	.59			
AVE		-3	ENE	2
MAX		6	SSW	7
AVE		-14		
MIN				

TOT IS AVERAGE FOR THE MONTH EXCEPT FOR PRECIPITATION
AVE MAX WIND SPEED AND DIRECTION IS ACTUAL MAXIMUM SPEED AND CONCURRENT DIRECTION
THE MAXIMUM SPEED OCCURRED 1 TIME

ARCTIC MEDICAL RSCH LAB FEB. 1971

1

2

3

HOUR	- WIND WIND- WIND		- WIND WIND- WIND		- WIND WIND- WIND							
	TEMPDIREKT	SPEED CHILL	TEMPDIREKT	SPEED CHILL	TEMPDIREKT	SPEED CHILL						
1	-30.	WNW	1.	1141.	-6.	S	2.	1021.	-14.	NNE	1.	1027.
2	-27.	WNW	1.	1162.	-11.	SSE	1.	997.	-14.	ENE	1.	1013.
3	-29.	WNW	1.	1128.	-13.		C	630.	-15.	N	1.	983.
4	-30.	S	1.	1176.	-10.	NE	2.	1078.	-17.		C	712.
5	-30.	W	1.	1149.	-8.	E	3.	1169.	-18.		C	728.
6	-29.	WNW	1.	1156.	-7.	NNE	2.	1014.	-16.		C	835.
7	-30.	WNW	1.	1196.	-7.		C	624.	-15.	NW	2.	1066.
8	-23.	WSW	1.	1113.	-7.		C	632.	-14.	NW	2.	1055.
9	-21.	WNW	1.	1113.	-6.		C	568.	-13.	NW	1.	972.
10	-18.	WNW	2.	1156.	-6.		C	560.	-10.	NNE	2.	1015.
11	-8.	WNW	2.	1001.	-6.		C	566.	-9.	NNE	1.	970.
12	-1.	NE	3.	1076.	-6.		C	598.	-7.		C	648.
13	-5.	NE	2.	1050.	-7.	SW	1.	950.	-6.	M	1.	974.
14	-4.	ENE	1.	936.	-8.	SSW	1.	947.	-6.	M	1.	957.
15	-2.	NE	2.	1030.	-9.	SW	1.	988.	-7.	M	1.	976.
16	-8.	NNW	1.	967.	-11.	E	1.	986.	-9.	M	1.	952.
17	-9.	SW	2.	1066.	-17.	SSE	1.	1009.	-12.		C	664.
18	-11.	WNW	2.	1079.	-20.	ENE	1.	1019.	-16.		C	721.
19	-11.	SW	2.	1068.	-20.	ENE	1.	1088.	-22.		C	726.
20	-12.	SW	2.	1042.	-19.		C	744.	-21.		C	742.
21	-8.	SW	1.	972.	-19.		C	750.	-10.		C	720.
22	-3.	SW	3.	1090.	-17.	SW	1.	910.	-15.		C	715.
23	-3.	S	3.	1068.	-16.	WNW	1.	979.	-14.	N	2.	1055.
24	-5.	SSE	2.	1039.	-15.	N	2.	1066.	-14.	NNE	1.	1038.
TOT			39.								18.	
AVE	-15.	WNW	2.	1082.	-11.	SW	1.	871.	-13.	NNE	1.	886.
MAX	-1.		3.	1196.	-6.		3.	1169.	-6.		2.	1066.
MIN	-30.		1.	936.	-20.		0.	566.	-22.		0.	648.

ARCTIC MEDICAL RSCH LAB FEB. 1971

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5

6

HOUR	- WIND WIND- WIND		- WIND WIND- WIND		- WIND WIND- WIND	
	TEMPDIRECT	SPEED CHILL	TEMPDIRECT	SPEED CHILL	TEMPDIRECT	SPEED CHILL
1	-17.	C 721.	-11.	1.	17.	1.
2	-21.	W 1. 1031.	+9.	SW 1.	8.	SSW 3.
3	-25.	C 703.	-8.	SW 1.	5.	S 2.
4	-28.	C 740.	-7.	SW 1.	4.	S 2.
5	-30.	C 747.	-5.	NW 2.	5.	SW 1.
6	-31.	C 753.	-4.	SW 1.	6.	SW 1.
7	-31.	C 761.	-3.	N 1.	7.	SW 1.
8	-31.	C 750.	-2.	NW 1.	8.	WNW 1.
9	-29.	C 749.	-1.	SE 1.	10.	WNW 1.
10	-27.	C 745.	1.	WNW 1.	12.	NNE 1.
11	-26.	C 740.	3.	N 1.	13.	NE 1.
12	-23.	C 721.	4.	NW 1.	16.	WSN 1.
13	-22.	C 697.	6.	SW 1.	18.	WNW 1.
14	-20.	C 712.	7.	SW 1.	19.	WNW 2.
15	-22.	SSE 1. 1091.	8.	WNW 1.	18.	WNW 2.
16	-24.	C 766.	8.	SSE 1.	16.	WNW 2.
17	-26.	C 786.	9.	SSE 1.	17.	WNW 2.
18	-28.	C 805.	10.	SSE 1.	16.	W 2.
19	-26.	C 791.	12.	SW 2.	10.	WSW 1.
20	-22.	C 786.	13.	WNW 2.	5.	WSW 1.
21	-19.	C 765.	15.	WNW 1.	2.	WSW 1.
22	-17.	NNE 1. 1051.	17.	C 495.	-1.	S 1.
23	-14.	SE 1. 1050.	18.	SSW 1.	-6.	-6.
24	-13.	SE 1. 993.	17.	SSW 2.	-5.	-5.
TOT.		5.	27.			31.
AVE	-24.	SE 0. 811.	4.	SW 1.	9.	WNW 1.
MAX	-13.	1. 1091.	18.		19.	3.
MIN	-31.	0. 697.	-11.		-6.	0.

ARCTIC MEDICAL RSCH LAB FEB. 1971

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9

HOUR	- WIND WIND- WIND		- WIND WIND- WIND		- WIND WIND- WIND	
	TEMPDIRECT	SPEED CHILL	TEMPDIRECT	SPEED CHILL	TEMPDIRECT	SPEED CHILL
1	-2.	C 573.	5.	1.	25.	1.
2	0.	C 568.	4.	2.	24.	4.
3	3.	C 545.	2.	2.	14.	4.
4	5.	C 544.	1.	1.	12.	3.
5	5.	C 542.	1.	1.	11.	2.
6	5.	C 542.	0.	1.	11.	2.
7	8.	1. 810.	-1.	1.	10.	2.
8	10.	1. 752.	-2.	1.	9.	2.
9	12.	1. 764.	-2.	2.	9.	2.
10	13.	2. 826.	-1.	1.	9.	1.
11	17.	2. 748.	0.	1.	9.	1.
12	18.	1. 722.	3.	2.	10.	1.
13	20.	2. 738.	5.	2.	10.	1.
14	20.	2. 717.	8.	2.	10.	1.
15	22.	2. 768.	10.	2.	9.	1.
16	23.	2. 743.	13.	2.	9.	1.
17	20.	2. 740.	16.	1.	9.	1.
18	17.	2. 816.	24.	3.	9.	2.
19	17.	1. 723.	27.	6.	9.	2.
20	21.	2. 760.	27.	5.	6.	2.
21	19.	2. 780.	28.	5.	7.	1.
22	12.	2. 842.	28.	6.	6.	1.
23	9.	2. 892.	26.	2.	6.	1.
24	7.	1. 835.	25.	2.	6.	1.
TOT		30.	54.	40.		
AVE	13.	WSW 720.	10.	S 851.	10.	S 828.
MAX	23.	2. 892.	28.	6. 940.	25.	4. 931.
MIN	-2.	0. 542.	-2.	1. 676.	6.	1. 661.

ARCTIC MEDICAL RSCH LAB FEB. 1971

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12

HOUR	10		11		12	
	WIND TEMPDIREC	WIND- SPEED CHILL	WIND TEMPDIREC	WIND- SPEED CHILL	WIND TEMPDIREC	WIND- SPEED CHILL
1	S	5. 782.	WSW	7. 792.	SE	3. 984.
2	C	3. 562.	SW	7. 798.	NE	2. 936.
3	C	4. 566.	WSW	7. 811.	NNW	1. 791.
4	C	4. 573.	WSW	7. 790.	WNW	1. 817.
5	C	5. 575.	WSW	6. 803.	C	0. 612.
6	C	5. 571.	SSW	6. 801.	WSW	2. 915.
7	C	5. 605.	WSW	6. 828.	WSW	2. 895.
8	C	5. 554.	WSW	5. 835.	SW	2. 936.
9	SSW	6. 802.	SSW	5. 850.	WSW	2. 947.
10	SSW	7. 832.	SSW	6. 822.	WSW	2. 932.
11	S	7. 832.	WSW	7. 802.	WSW	2. 969.
12	S	8. 848.	WSW	7. 827.	WSW	3. 1026.
13	SSW	8. 798.	SSW	7. 826.	SSW	2. 921.
14	S	7. 802.	NNW	8. 888.	SSW	1. 908.
15	S	7. 774.	W	9. 764.	SW	2. 917.
16	SSE	7. 758.	SSW	8. 831.	SW	1. 913.
17	S	7. 784.	WSW	7. 855.	S	1. 907.
18	WSW	6. 792.	WNW	7. 813.	WSW	2. 933.
19	W	6. 814.	S	7. 723.	NW	1. 825.
20	W	7. 772.	E	8. 749.	WSW	2. 948.
21	SSW	7. 804.	ENE	8. 883.	WSW	2. 936.
22	WSW	7. 791.	ENE	8. 838.	WSW	1. 881.
23	WSW	7. 803.	NE	7. 863.	C	0. 615.
24	WSW	7. 780.	ENE	6. 905.	SW	1. 930.
TOT	18.	18. 732.	30.	30. 821.	38.	38. 891.
AVE	S	1. 732.	WSW	1. 821.	WSW	2. 891.
MAX	8.	2. 848.	2.	2. 905.	3.	3. 1026.
MIN	3.	0. 554.	1.	1. 723.	0.	0. 612.

ARCTIC MEDICAL RSCH LAB FEB. 1971

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15

HOUR	13		14		15	
	TEMP	WIND	TEMP	WIND	TEMP	WIND
1	-5.	WSW 2.	-37.	NNE 1.	-16.	C 669.
2	-7.	WSW 1.	-37.	S 1.	-15.	C 656.
3	-13.	C 696.	-37.	WSW 1.	-14.	C 649.
4	-17.	C 748.	-38.	S 2.	-14.	SSW 1.
5	-21.	C 751.	-39.	C 837.	-15.	WSW 1.
6	-22.	C 773.	-38.	NE 1.	-13.	WSW 1.
7	-21.	C 1165.	-38.	S 2.	-13.	S 1.
8	-22.	C 1106.	-40.	S 2.	-13.	S 1.
9	-22.	C 1081.	-38.	SW 1.	-13.	SSW 1.
10	-21.	C 1109.	-37.	S 2.	-12.	SSW 1.
11	-19.	C 1180.	-34.	S 1.	-9.	SSE 1.
12	-14.	C 1012.	-30.	S 2.	-7.	SE 2.
13	-11.	C 990.	-26.	SW 1.	-5.	S 1.
14	-10.	C 1010.	-28.	S 2.	-5.	SW 1.
15	-11.	C 648.	-27.	S C 780.	-6.	S 2.
16	-15.	C 691.	-29.	C 800.	-9.	S 1.
17	-21.	C 729.	-30.	C 810.	-12.	WSW 1.
18	-26.	C 790.	-32.	WSW 1.	-13.	S 1.
19	-29.	C 1188.	-32.	NE 1.	-11.	SE 1.
20	-31.	C 1190.	-29.	C 770.	-9.	NNE 1.
21	-31.	C 1165.	-28.	C 773.	-7.	SW 1.
22	-32.	C 1144.	-24.	C 754.	-2.	WNW 2.
23	-34.	C 1201.	-19.	C 725.	-4.	WSW 4.
24	-35.	C 821.	-18.	C 719.	-6.	SSW 3.
TOT	18.	18.	21.	21.	29.	29.
AVE	-20.	S 1.	-32.	S 1.	-10.	S 1.
MAX	-5.	2.	-18.	2.	-2.	4.
MIN	-35.	0.	-40.	0.	-16.	U.

ARCTIC MEDICAL RSCH LAB FEB. 1971

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HOUR	TEMPDIKECT	WIND	WIND- WIND	TEMPDIKECT	SPEED	CHILL
1	-11.	SSW	2.	1119.		
2	-13.	SSE	2.	1062.		
3	-16.	SSE	3.	1141.		
4	-18.	NNE	1.	1085.		
5	-20.	NE	2.	1201.		
6	-22.	NNE	1.	1122.		
7	-17.	NNE	2.	1128.		
8	-14.	ESE	3.	1229.		
9	-14.	ESE	2.	1156.		
10	-11.	N	2.	1044.		
11	-11.	N	2.	1043.		
12	-7.	N	1.	957.		
13	-8.	SW	2.	1004.		
14	-5.	SW	2.	1001.		
15	-5.	N	2.	993.		
16	-7.	SE	1.	972.		
17	-10.	SSE	1.	1009.		
18	-13.	SSE	2.	1056.		
19	-13.	SW	2.	1066.		
20	-12.	SSE	1.	1018.		
21	-12.	N	1.	995.		
22	-11.	ESE	1.	988.		
23	-9.	N	1.	1004.		
24	-9.	SSW	1.	984.		

TOT 40.
 AVL -12. N
 MAX -5.
 MIN -22.

17

TEMPDIKECT	WIND	WIND- WIND	TEMPDIKECT	SPEED	CHILL
-10.	SW	2.	1014.		
-10.	SW	2.	1035.		
-11.	SW	2.	1057.		
-12.	SSW	1.	1021.		
-12.	S	2.	1109.		
-11.	S	2.	1024.		
-8.	SSE	1.	953.		
-6.	SSE	1.	966.		
-1.	SW	2.	927.		
2.	S	2.	910.		
6.	SW	1.	847.		
9.	SW	1.	797.		
11.	SW	1.	790.		
13.	SW	1.	744.		
12.	SSW	1.	780.		
12.	SW	1.	754.		
10.	N	1.	788.		
7.	S	1.	803.		
6.	SW	1.	814.		
6.	SSW	1.	850.		
5.	SSW	1.	819.		
5.	NNE	1.	844.		
7.	N	2.	695.		
8.	SW	2.	842.		

33.
 SW 1. 891.
 2. 1109.
 1. 744.
 -12.

18

TEMPDIKECT	WIND	WIND- WIND	TEMPDIKECT	SPEED	CHILL
8.	SW	1.	826.		
9.	SSW	1.	800.		
4.	SW	3.	993.		
3.	SW	3.	1044.		
1.	SSW	2.	983.		
-1.	S	1.	925.		
-2.	SE	1.	930.		
-2.	ESE	1.	910.		
0.	ESE	2.	943.		
1.	ESE	1.	901.		
2.	SE	2.	934.		
3.	SSE	2.	951.		
4.	ENE	3.	1005.		
5.	SE	2.	929.		
4.	NE	2.	930.		
-1.	ENE	2.	976.		
-3.	SE	2.	957.		
-6.		C	642.		
-7.	SW	2.	1010.		
-7.	NNE	2.	1079.		
-9.	NNE	2.	1029.		
-11.	W	1.	998.		
-11.		C	673.		
-7.		C	672.		

38.
 SE 2. 918.
 3. 1079.
 0. 642.

NOT REPRODUCIBLE

ARCTIC MEDICAL KSCH LAB FEB. 1971

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HOUR	- WIND WIND- WIND		- WIND WIND- WIND		- WIND WIND- WIND						
	TEMPDIRECT	SPEED CHILL	TEMPDIRECT	SPEED CHILL	TEMPDIRECT	SPEED CHILL					
1	-6.	WSW	1.	072.	ESE	5.	988.	6.	W	1.	856.
2	-11.	W	1.	936.	SW	1.	803.	6.		C	584.
3	-16.	W	1.	995.	W	1.	761.	7.	WNW	1.	823.
4	-14.	C	C	704.	WNW	1.	801.	7.	WSW	1.	831.
5	-14.	C	C	691.	W	1.	687.	6.	WSW	1.	828.
6	-13.	C	C	664.	NNE	3.	879.	9.	WSW	2.	876.
7	-9.	WNW	1.	972.	NE	2.	820.	10.	WSW	2.	817.
8	-7.	W	2.	995.	NE	4.	885.	11.	WSW	2.	808.
9	-2.	N	1.	897.	NE	4.	672.	13.	NSW	2.	811.
10	0.	NNE	2.	977.	ENE	6.	912.	17.	SW	2.	756.
11	4.	NW	2.	877.	ENE	6.	905.	21.	SW	1.	698.
12	8.	WNW	2.	859.	ENE	5.	877.	24.	SW	2.	698.
13	8.	NE	2.	915.	NE	3.	808.	27.	SW	2.	668.
14	10.	W	2.	837.	NE	1.	670.	27.	WSW	2.	659.
15	11.	W	2.	605.	ESE	2.	718.	28.	SW	1.	622.
16	9.	WNW	2.	862.	WNW	2.	752.	27.	SW	1.	616.
17	7.	S	1.	834.		C	472.	27.	WSW	1.	645.
18	4.	S	2.	900.	SW	2.	739.	26.	SW	1.	645.
19	4.	SSE	1.	850.	WSW	2.	747.	23.	SW	2.	695.
20	3.	C	C	568.	WSW	2.	783.	19.	SW	1.	706.
21	6.	N	1.	804.	SW	2.	790.	16.	SW	2.	761.
22	7.	WNW	1.	782.	SW	1.	775.	19.	SW	2.	729.
23	12.	NW	1.	769.	WSW	1.	626.	22.	SSW	4.	832.
24	16.	NE	6.	1012.	WSW	1.	632.	21.	SSW	3.	800.
TOT			34.			58.				39.	
AVE	1.	WNW	1.	849.	NE	2.	796.	17.	SW	2.	740.
MAX	16.		6.	1012.		6.	988.	28.		4.	876.
MIN	-16.		0.	568.		0.	472.	6.		0.	584.

ARCTIC MEDICAL RSCH LAB FEB. 1971

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22	23	24				
HOUR	WIND TEMPDIRECT	WIND- SPEED CHILL	WIND TEMPDIRECT	WIND- SPEED CHILL	WIND TEMPDIRECT	WIND- SPEED CHILL
1	20° SW	3. 814.	-24° WSW	10. 1718.	-43° SSE	1. 1316.
2	20° SSE	1. 704.	-26° WSW	9. 1715.	-43° SSE	2. 1357.
3	19° SW	2. 757.	-28° WSW	9. 1767.	-43° NE	3. 1536.
4	20° SW	5. 900.	-30° WSW	7. 1690.	-45° ENE	3. 1549.
5	21° SW	8. 1021.	-31° WSW	7. 1704.	-44° ENE	3. 1500.
6	20° SW	7. 991.	-33° WSW	7. 1717.	-43° ENE	3. 1575.
7	18° WSW	7. 1017.	-34° SW	6. 1681.	-47° ENE	3. 1623.
8	18° WSW	7. 1036.	-35° SW	6. 1667.	-48° ENE	3. 1615.
9	17° WSW	7. 1056.	-35° WSW	7. 1770.	-46° ENE	4. 1635.
10	-3° WSW	6. 1348.	-35° WSW	7. 1761.	-44° ENE	4. 1649.
11	-4° WSW	9. 1390.	-35° WSW	7. 1725.	-41° ENE	3. 1521.
12	-4° WSW	8. 1366.	-35° WSW	7. 1773.	-38° E	2. 1367.
13	-6° WSW	8. 1385.	-35° WSW	5. 1624.	-36° ESE	2. 1404.
14	-7° WSW	8. 1388.	-34° SSE	1. 1219.	-36° ESE	2. 1330.
15	-9° WSW	9. 1467.	-34° SW	3. 1432.	-35° ESE	1. 1169.
16	-10° WSW	9. 1472.	-36° WNW	6. 1703.	-36° C	876.
17	-11° WSW	6. 1455.	-37° W	5. 1634.	-42° C	904.
18	-12° WSW	5. 1357.	-37° W	5. 1676.	-48° C	923.
19	-13° WSW	6. 1393.	-38° WNW	6. 1709.	-52° C	949.
20	-15° WSW	6. 1450.	-39° WNW	7. 1829.	-55° C	967.
21	-17° WNW	6. 1440.	-40° WNW	7. 1853.	-56° C	959.
22	-18° WSW	8. 1574.	-40° WNW	2. 1454.	-57° C	933.
23	-19° WSW	7. 1552.	-41° S	1. 1290.	-59° C	924.
24	-21° WSW	7. 1573.	-42° SSE	1. 1281.	-60° C	877.
TOT	159° WSW	1246°	138° WSW	1641°	39° ENE	1269°
AVE	0°	7. 1574°	6°	10. 1853°	2°	4. 1649°
MAX	21°	1. 704°	10°	1. 1219°	4°	U. 876°
MIN	-21°				U.	

ARCTIC MEDICAL RSCH LAB FEB. 1971

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HOUR	- WIND WIND- WIND		- WIND WIND- WIND		- WIND WIND- WIND		
	TEMPDIRECT	SPEED CHILL	TEMPDIRECT	SPEED CHILL	TEMPDIRECT	SPEED CHILL	
1	-60.	C 1005.	-61.	NNW 1.	1427.	-28.	C 760.
2	-60.	C 1005.	-62.	ENE 1.	1467.	-27.	C 756.
3	-61.	NNE 1.	-62.	NW 1.	1431.	-27.	C 755.
4	-61.	C 1030.	-62.	W 1.	1454.	-27.	C 748.
5	-63.	C 1059.	-63.	NNW 1.	1494.	-26.	1. 1085.
6	-64.	C 1057.	-63.	NE 1.	1515.	-25.	1. 1157.
7	-62.	NNW 1.	-62.	NNW 1.	1515.	-24.	2. 1185.
8	-61.	C 997.	-60.	NNW 1.	1499.	-23.	2. 1149.
9	-57.	C 965.	-53.	E 2.	1445.	-21.	2. 1141.
10	-53.	C 950.	-44.	WSW 1.	1346.	-20.	2. 1128.
11	-50.	ESE 1.	-41.	SSE 1.	1297.	-16.	2. 1138.
12	-44.	SW 1.	-37.	S 2.	1295.	-14.	3. 1175.
13	-42.	SW 2.	-36.	SSE 2.	1382.	-12.	3. 1174.
14	-41.	SE 2.	-35.	SSE 2.	1347.	-10.	2. 1059.
15	-40.	SSE 2.	-33.	SW 2.	1298.	-9.	2. 1087.
16	-41.	SSE 2.	-33.	SW 2.	1286.	-9.	2. 1100.
17	-46.	SW 1.	-32.	NW 2.	1269.	-10.	2. 1063.
18	-52.	NNE 1.	-30.	NNW 2.	1213.	-11.	2. 1064.
19	-54.	E 1.	-30.	NW 2.	1220.	-14.	2. 1132.
20	-56.	NNE 1.	-30.	NNW 1.	1163.	-16.	C 701.
21	-58.	C 947.	-29.	NNE 1.	1191.	-16.	C 727.
22	-60.	C 975.	-30.	NNE 1.	1134.	-15.	C 717.
23	-61.	C 1002.	-29.	C 614.		-14.	C 712.
24	-61.	C 1224.	-29.	NNE 1.	1086.	-13.	C 710.
TOT		16.					30.
AVE	-54.	SW 1.	-44.	NNW 1.	1316.	-18.	1. 976.
MAX	-40.	2.	-29.	2.	1515.	-9.	3. 1185.
MIN	-64.	0.	-63.	0.	814.	-28.	0. 701.

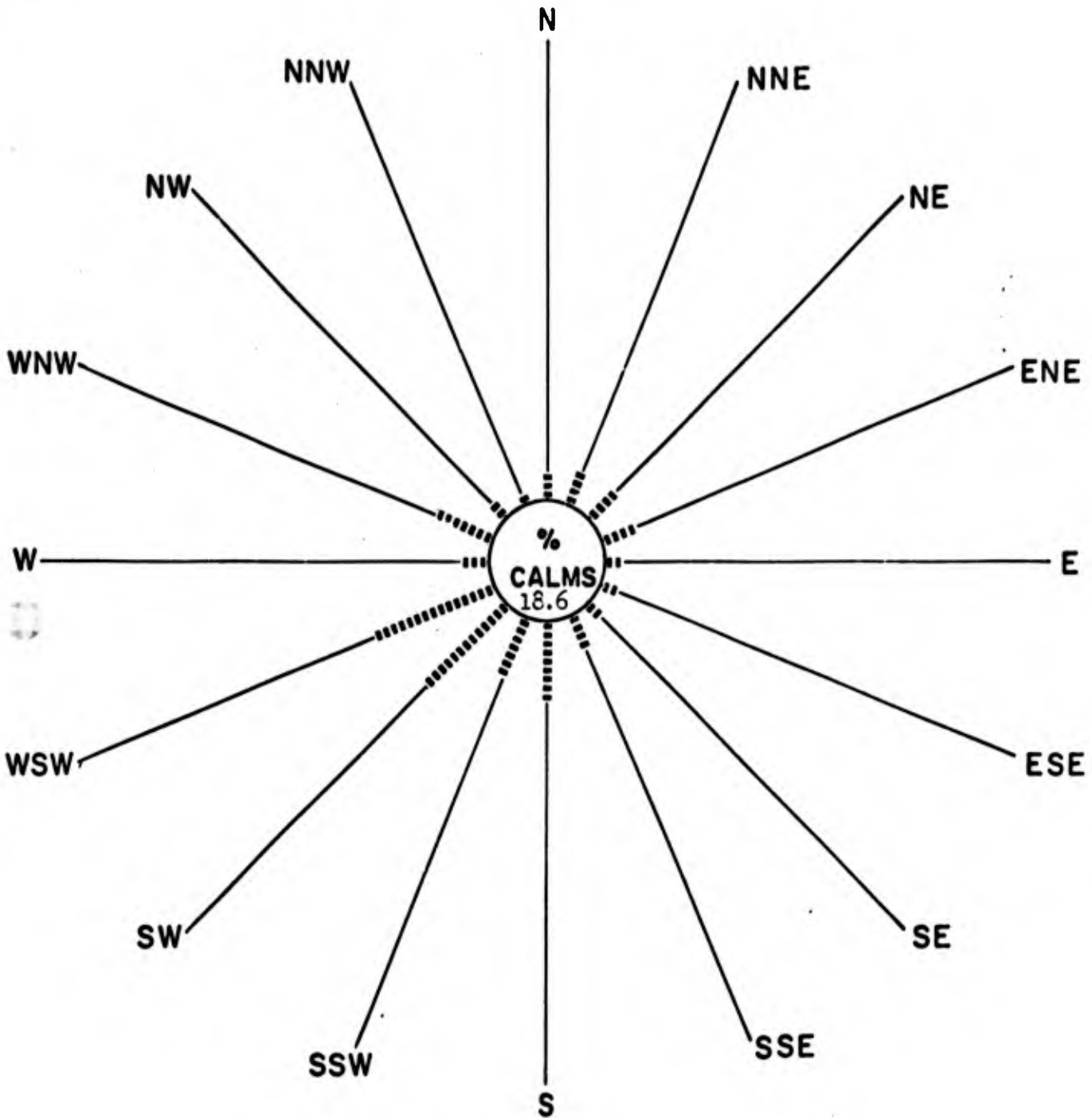
ARCTIC MEDICAL RSCH LAB FEB. 1971

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HOUR	TEMP	DIRECT	WIND	WIND- SPEED	WIND CHILL
1	-13.		NNE	1.	954.
2	-14.		WSW	1.	976.
3	-14.		SW	1.	1044.
4	-14.		SW	2.	1098.
5	-15.		SW	3.	1187.
6	-16.		WSW	2.	1160.
7	-17.		SW	3.	1248.
8	-19.		SW	2.	1187.
9	-18.		SW	2.	1122.
10	-19.		S	1.	1049.
11	-20.		SSW	2.	1118.
12	-20.		S	1.	1029.
13	-20.		SW	1.	1021.
14	-20.		SW	1.	1015.
15	-20.			C	748.
16	-20.			C	758.
17	-21.			C	909.
18	-21.		WSW	1.	1013.
19	-21.		WSW	1.	1084.
20	-20.			C	755.
21	-20.			C	757.
22	-19.			C	757.
23	-18.			C	753.
24	-16.		NNW	1.	1023.
TOT				26.	
AVE	-18.		SW	1.	990.
MAX	-13.			3.	1248.
MIN	-21.			0.	748.

W I N D R C E
ARCTIC MEDICAL RSCH LAB FEB. 1971

DIR	HOURLY OBSERVATIONS OF WIND SPEEDS												TOT	AVG SPD
	1--3	4--7	8--12	13--18	19--24	25--31	32--38	39--46	OVER 46					
N	FREQ 17	0	0	0	0	0	0	0	0	0	0	0	17	1
	PCT 2.54	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	2.54	
NNE	FREQ 26	0	0	0	0	0	0	0	0	0	0	0	26	1
	PCT 4.19	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	4.19	
NE	FREQ 24	3	0	0	0	0	0	0	0	0	0	0	27	2
	PCT 3.59	.45	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	4.04	
ENE	FREQ 21	5	0	0	0	0	0	0	0	0	0	0	26	3
	PCT 3.14	.75	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	3.89	
E	FREQ 8	4	0	0	0	0	0	0	0	0	0	0	12	3
	PCT 1.20	.60	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.80	
ESE	FREQ 11	1	0	0	0	0	0	0	0	0	0	0	12	2
	PCT 1.65	.15	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.80	
SL	FREQ 15	0	0	0	0	0	0	0	0	0	0	0	15	2
	PCT 2.25	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	2.25	
SSE	FREQ 30	0	0	0	0	0	0	0	0	0	0	0	30	1
	PCT 4.49	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	4.49	
S	FREQ 60	0	0	0	0	0	0	0	0	0	0	0	60	1
	PCT 8.98	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	8.98	
SSW	FREQ 44	2	0	0	0	0	0	0	0	0	0	0	46	2
	PCT 6.59	.30	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	6.89	
SW	FREQ 85	4	1	0	0	0	0	0	0	0	0	0	90	2
	PCT 12.72	.60	.15	.00	.00	.00	.00	.00	.00	.00	.00	.00	13.47	
WSW	FREQ 67	18	12	0	0	0	0	0	0	0	0	0	97	3
	PCT 10.03	2.69	1.80	.00	.00	.00	.00	.00	.00	.00	.00	.00	14.52	
W	FREQ 15	2	0	0	0	0	0	0	0	0	0	0	17	2
	PCT 2.25	.30	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	2.54	
WNW	FREQ 43	5	0	0	0	0	0	0	0	0	0	0	48	2
	PCT 6.44	.75	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	7.19	
NW	FREQ 15	0	0	0	0	0	0	0	0	0	0	0	15	1
	PCT 2.25	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	2.25	
NNW	FREQ 4	0	0	0	0	0	0	0	0	0	0	0	4	1
	PCT .60	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.60	
TOT	FREQ 487	44	13	0	0	0	0	0	0	0	0	0	544	
	PCT 72.90	6.57	1.95	.00	.00	.00	.00	.00	.00	.00	.00	.00	81.44	
CALM	FREQ 124	PCT 18.56											.60	



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2

0.6 % OF DATA MISSING

LEGEND: EACH BLIP EQUALS ONE PERCENT OF DIRECTION FREQUENCY.

1 TO 12 MPH ■■■■■■■■■■

13 TO 31 MPH ■■■■■■■■■■

32 AND OVER ■■■■■■■■■■

ARCTIC MEDICAL RSCH LAB FEB. 1971
 HOURLY AVERAGES FOR THE MONTH

HOUR	TEMP	DIRECT	WIND	SPEED	CHILL
1	-10.	SW	2.	955.	
2	-11.	SSE	1.	954.	
3	-13.	SW	1.	966.	
4	-13.	SW	1.	966.	
5	-14.	WSW	2.	964.	
6	-13.	WSW	2.	987.	
7	-13.	WSW	2.	1039.	
8	-12.	S	2.	1019.	
9	-11.	SSW	2.	1009.	
10	-10.	S	2.	1014.	
11	-8.	WSW	2.	999.	
12	-5.	S	2.	975.	
13	-5.	SW	2.	990.	
14	-4.	SW	2.	959.	
15	-4.	SW	2.	938.	
16	-5.	WNW	2.	928.	
17	-7.	WSW	1.	916.	
18	-8.	WSW	2.	946.	
19	-9.	SW	2.	975.	
20	-9.	WSW	1.	929.	
21	-9.	SW	1.	921.	
22	-9.	SW	1.	917.	
23	-9.	WSW	1.	902.	
24	-9.	SSW	1.	934.	

ARCTIC MEDICAL RSCH LAB FEB. 1971
MONTHLY CLIMATOLOGICAL SUMMARY

WIND WIND- WIND
TEMPDIRECT SPEED CHILL

AVE	-9.	%SN	2.	963.
AVMAX	1.	WSN	10.	1163.
AVMIN	-20.			705.

AVE MAX WIND SPEED AND DIRECTION IS ACTUAL MAXIMUM SPEED AND CONCURRENT DIRECTION
THE MAXIMUM SPEED OCCURRED 1. TIME