

AD 726937

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

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

DECEMBER 1970

METEOROLOGICAL SERVICES TECHNICAL AREA

Approved for public release; distribution unlimited

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

Reproduced by
**NATIONAL TECHNICAL
INFORMATION SERVICE**
Springfield, Va. 22151

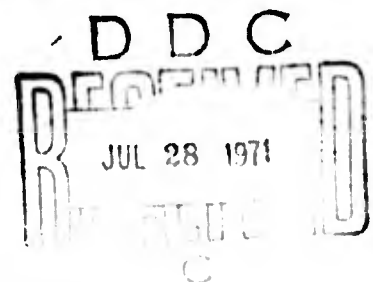


TABLE OF CONTENTS

	PAGE NO.
INTRODUCTION, GEOGRAPHICAL DATA	1
STATION MAP	11
DATA COLLECTION SENSORS, NATURE OF SURFACE MATERIAL AROUND SENSORS	111
UNITS OF DATA MEASUREMENT	iv
DISTRIBUTION LIST	v - vi
TABULAR DATA	
<u>Alaska Field Station</u>	
Precipitation, Temperature, Wind Direction and Speed	1 - 11
Wind Rose	12 - 13
Hourly Averages for the Month	14
Monthly Climatological Summary	15
<u>Fox Lower</u>	
Precipitation, Temperature, Wind Direction and Speed	16 - 26
Wind Rose	27 - 28
Hourly Averages for the Month	29
Monthly Climatological Summary	30
<u>Arctic Med Rsch Lab</u>	
Temperature, Wind Direction and Speed, Wind Chill	31 - 41
Wind Rose	42 - 43
Hourly Averages for the Month	44
Monthly Climatological Summary	45

NOTICE TO USERS

Portions of this document have been judged by the NTIS to be of poor reproduction quality and not fully legible. However, in an effort to make as much information as possible available to the public, the NTIS sells this document with the understanding that if the user is not satisfied, the document may be returned for refund.

If you return this document, please include this notice together with the IBM order card (label) to:
National Technical Information Service
U.S. Department of Commerce
Attn: 952.12
Springfield, Virginia 22151

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

DECEMBER 1970

**Meteorological Data
 furnished by:**

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

INTRODUCTION

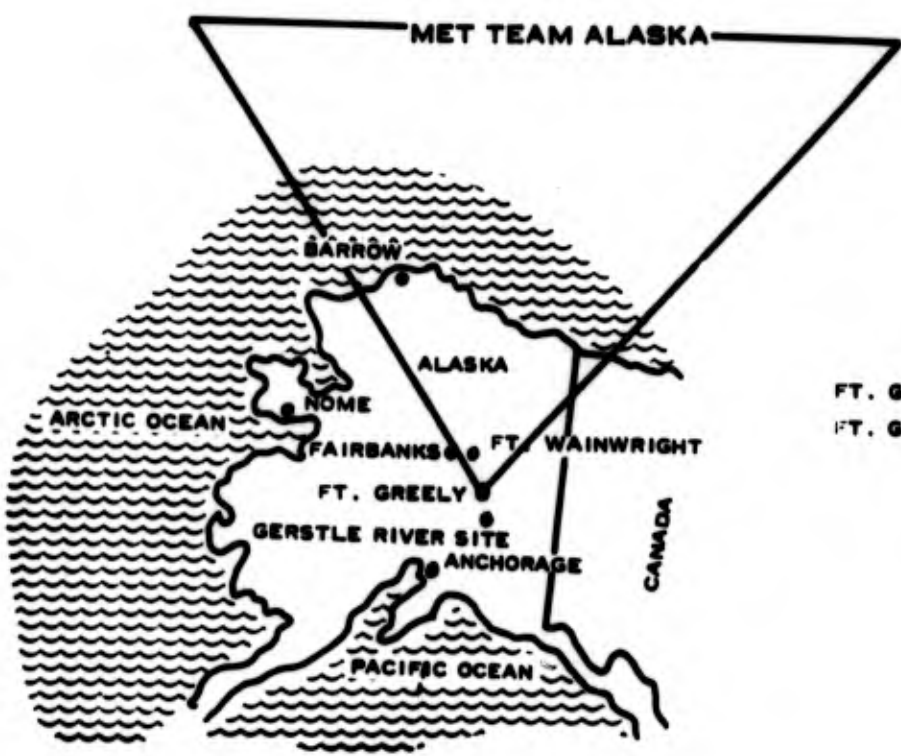
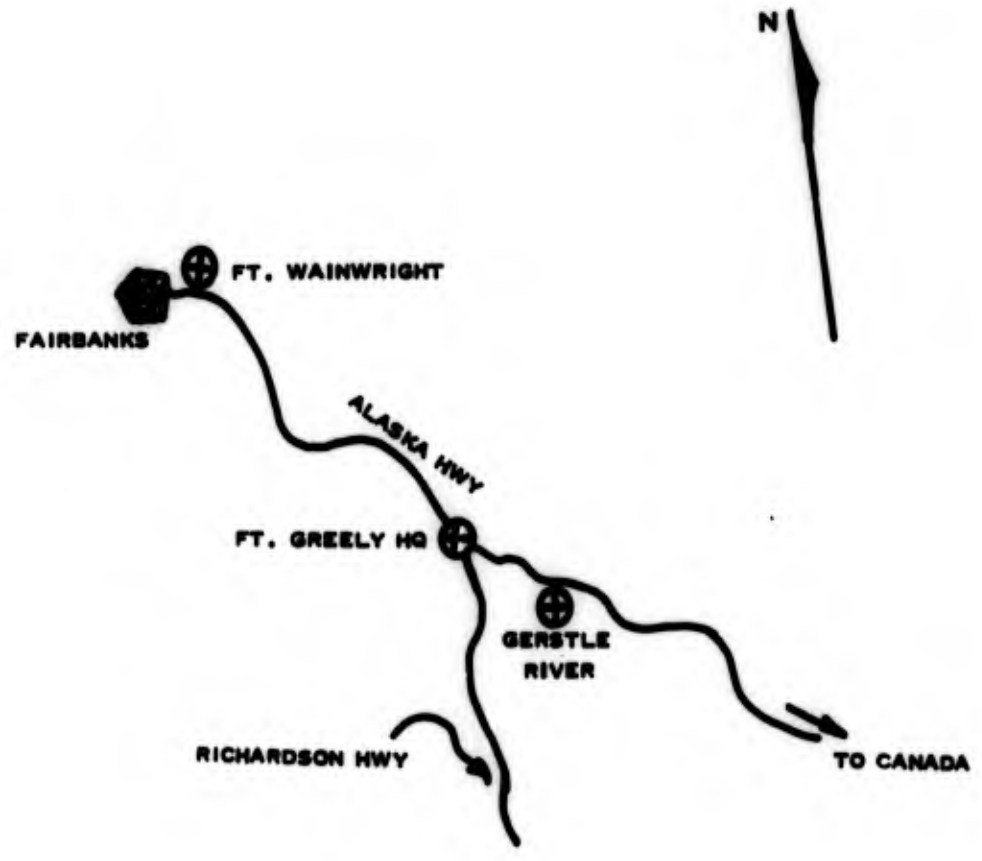
This report presents meteorological data as obtained from the processing of information recorded by the U. S. Army Meteorological Teams:

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: ANSEL-BL-N
 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 Resch 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
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 Resch 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
Radiation - - - - -	Langleys per hour
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 DECEMBER 1970

1

2

3

HOUR	PRECIP	TEMP	WIND	WIND	WIND	PRECIP	TEMP	WIND	WIND	PRECIP	TEMP	WIND	WIND
			DIRECT	SPEED	DIRECT			DIRECT	SPEED			DIRECT	SPEED
1	0.	M	NNF	1	NE	0.	M	NE	1	0.	-43	NNE	1
2	0.	M	NNF	1	NNE	0.	M	NNE	1	0.	-43		C
3	0.	M	N	1	NNE	0.	M	NNE	1	0.	-45	N	C
4	0.	M	N	1	E	0.	M	E	1	0.	-45	N	1
5	0.	M	NNF	1	ENE	0.	M	ENE	1	0.	-45	N	1
6	0.	M	NNF	1	NNE	0.	M	NNE	1	0.	-45	N	1
7	0.	M	NNF	1	NE	0.	M	NE	1	0.	-46	N	1
8	0.	M	NNF	1	NE	0.	M	NE	1	0.	-46		C
9	0.	M	N	1	NNE	0.	M	NNE	1	0.	-47		C
10	0.	M	N	1	NNE	0.	M	NNE	1	0.	-46		C
11	0.	M	N	1	E	0.	M	E	1	0.	-44		C
12	0.	M	N	1	NNE	0.	M	NNE	1	0.	-41	NW	1
13	0.	M	N	1	NNE	0.	M	NNE	1	0.	-39	NNE	1
14	0.	M	N	1	ESE	0.	M	ESE	1	0.	-41	NNE	1
15	0.	M	N	1	N	0.	M	N	1	0.	-44	N	1
16	0.	M	N	1	NNE	0.	M	NNE	1	0.	-45	N	1
17	0.	M	NNF	1	NNE	0.	M	NNE	1	0.	-46	NW	1
18	0.	M	N	1	NW	0.	M	NW	1	0.	-45		C
19	0.	M	N	1	NW	0.	M	NW	1	0.	-45	NNE	1
20	0.	M	NNF	1		0.	M		C	0.	-46	NNE	1
21	0.	M	NF	1	N	0.	M	N	C	0.	-46	N	1
22	0.	M	N	1	N	0.	M	N	1	0.	-46	NNW	1
23	0.	M	NNF	1	N	0.	M	N	C	0.	-46	N	1
24	0.	M	N	1	N	0.	M	N	1	0.	-46	N	1
TOT	0.00			24		0.00			21	0.00			17
AVE			N	1	NNE			NNE	1		-45	N	1
MAX				1					1		-39		1
MIN				1					0		-47		0

- 1-

ALASKA FIELD STATION DECEMBER 1970

4

5

6

HOUR	PRECIP	TEMP	WIND DIRECTION	WIND SPEED	PRECIP	TEMP	WIND DIRECTION	WIND SPEED	PRECIP	TEMP	WIND DIRECTION	WIND SPEED
1	0.	-46	NNF	1	0.	-41	NW	1	0.	-42	NNW	1
2	0.	-45	N	1	0.	-41	NNW	1	0.	-42	NF	1
3	0.	-45	NW	1	0.	-41		C	0.	-42	N	1
4	0.	-44	N	1	0.	-39		C	0.	-42	N	1
5	0.	-45	N	1	0.	-34	WNW	1	0.	-43	NNW	1
6	0.	-45		C	0.	-30	NW	1	0.	-42	NW	1
7	0.	-45	NNW	1	0.	-25	NNW	1	0.	-42	NF	1
8	0.	-45	N	1	0.	-23	NE	1	0.	-42	NNE	1
9	0.	-44	N	1	0.	-25	WSW	1	0.	-42	NNE	1
10	0.	-44		C	0.	-30		C	0.	-42	N	1
11	0.	-41	NNF	1	0.	-31		C	0.	-38	N	1
12	0.	-39		C	0.	-33		C	0.	-32		C
13	0.	-39		C	0.	-36	NNE	1	0.	-29		C
14	0.	-39		C	0.	-39	WNW	1	0.	-30	NNW	1
15	0.	-41		C	0.	-40	NNW	1	0.	-30	N	1
16	0.	-43		C	0.	-42	NNW	1	0.	-28	N	1
17	0.	-43	NNF	1	0.	-42	NNW	1	0.	-27	N	1
18	0.	-44		C	0.	-42	N	1	0.	-28	WNW	1
19	0.	-44	NNW	1	0.	-39	NNW	1	0.	-9	ENE	2
20	0.	-44		C	0.	-39	NNW	1	0.	-5	ENE	3
21	0.	-43		C	0.	-40	ESE	1	0.	-6	NF	3
22	0.	-42		C	0.	-41	ENE	1	0.	-6	NF	3
23	0.	-42		C	0.	-41	NE	1	0.	-5	ENE	5
24	0.	-41	NNW	1	0.	-41	NNW	1	0.	-6	ENE	4
TOT	0.00			12	0.00			19	0.00			36
AVE		-43		1		-36	NNW	1		-29		2
MAX		-39		1		-23		1		-5		5
MIN		-46		0		-42		0		-43		0

- 2-

ALASKA FIELD STATION DECEMBER 1970

7

8

9

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

- 3-

ALASKA FIELD STATION DECEMBER 1970

10

11

12

HOUR	PRECIP	TEMP	WIND DIR	WIND S	PRECIP	TEMP	WIND DIR	WIND S	PRECIP	TEMP	WIND DIR	WIND S
1	0.	-21	NE	1	0.	1		C	0.	5	NE	2
2	0.	-21	NE	1	0.	2		C	0.	5	NE	2
3	0.	-20		C	0.	3		C	0.	-3	NE	1
4	0.	-19		C	0.	3		C	0.	-8	NNE	1
5	0.	-15	NNE	1	0.	3		C	0.	-1	ENE	2
6	0.	-16	F	1	0.	3		C	0.	2	ENE	1
7	0.	-18	NNE	1	0.	3		C	0.	-8	F	1
8	0.	-17	NE	1	0.	0		C	0.	-11	NE	1
9	0.	-15	NE	1	0.	-7		C	0.	-13	NW	1
10	0.	-15	NE	1	0.	-9		C	0.	-12		1
11	0.	-15	NNE	1	0.	-12		C	0.	-9	NNW	1
12	0.	-15	NNE	1	0.	-14		C	0.	-10	NW	1
13	0.	-15	NE	1	0.	-16	ENE	1	0.	-14		1
14	0.	-16	ENE	1	0.	-17	ENE	1	0.	-17		1
15	0.	-16	M	1	0.	-14	M	1	0.	-17		1
16	0.	-17		C	0.	0		1	0.	-18		1
17	0.	-17	M	1	0.	0	M	2	0.	-18		1
18	0.	-16	M	1	0.	-1	M	1	0.	-18	ESE	1
19	0.	-11		C	0.	-1		2	0.	-17		1
20	0.	-6		C	0.	0	ENE	1	0.	-18	ESE	1
21	0.	-4		C	0.	0	ENE	2	0.	-19	E	1
22	0.	-2		C	0.	0	ENE	1	0.	-19	NE	1
23	0.	-1		C	0.	2	ENE	2	0.	-18	ENE	1
24	0.	0		C	0.	5	E	2	0.	-19	N	1
TOT	0.00			15	0.00			17	0.00			20
AVE		-14		1		-3		1		-11	NE	1
MAX		0		1		5		2		5		2
MIN		-21		0		-17		0		-19		0

- 4-

ALASKA FIELD STATION DECEMBER 1970

13

14

15

HOUR	PRECIP	TEMP	WIND- DIRECT	WIND- SPEED	PRECIP	TEMP	WIND- DIRECT	WIND- SPEED	PRECIP	TEMP	WIND- DIRECT	WIND- SPEED
1	0.	-19	N	1	0.	-10	ENE	1	0.	-15	ESF	1
2	0.	-18	NF	1	0.	-11	NE	1	0.	-17	NNE	1
3	0.	-15	ENE	1	0.	-13		C	0.	-18	ENE	1
4	0.	-13	S	1	0.	-11		C	0.	-21	NF	1
5	0.	-13	NW	1	0.	-9	S	1	0.	-22	NE	1
6	0.	-14	NF	1	0.	-6	WSW	1	0.	-23	NNE	1
7	0.	-14	F	1	0.	-4	NNW	1	0.	-24	NNE	1
8	0.	-11	NF	1	0.	-2	SW	1	0.	-23		C
9	0.	-3	NF	1	0.	-2	WSW	1	0.	-17		C
10	0.	0	NNF	1	0.	-5	WSW	1	0.	-14	M	1
11	0.	2	SW	1	0.	-7	WSW	1	0.	-11		C
12	0.	3		C	0.	-7	WSW	1	0.	-10		C
13	0.	5	SW	1	0.	-7	N	1	0.	-9		C
14	.01	5	ENF	1	0.	-7	W	1	0.	-7	M	1
15	.03	7	NNF	1	0.	-9		C	0.	-7	M	1
16	0.	7		C	0.	-13		C	0.	-7		C
17	0.	7	WSW	1	0.	-15	NE	1	0.	-5	M	1
18	0.	7		C	0.	-17	NNE	1	0.	-4	M	1
19	0.	6	SW	1	0.	-18	NE	1	0.	-3		C
20	0.	5	SF	1	0.	-19	NNE	1	0.	-3		C
21	0.	3		C	0.	-20	NNE	1	0.	-2		C
22	0.	-3	SF	1	0.	-20		C	0.	-2		C
23	0.	-5		C	0.	-18		C	0.	-1		C
24	0.	-6		C	0.	-15		C	0.	0	M	1
TOT	.04			18	0.00			17	0.00			13
AVE		-3	NF	1		-11	WSW	1		-11		1
MAX		7		1		-2		1		0		1
MIN		-19		0		-20		0		-24		0

ALASKA FIELD STATION DECEMBER 1970

16

17

18

HOUR	PRECIP	TEMP	WIND- DIRECT	WIND- SPEED	PRECIP	TEMP	WIND- DIRECT	WIND- SPEED	PRECIP	TEMP	WIND- DIRECT	WIND- SPEED
1	0.	1	M	1	0.	5	NE	1	.03	17	ENE	1
2	0.	-1	M	C	.02	5		C	.02	17	FSE	1
3	0.	-2	M	1	.01	4		C	.05	17	NF	1
4	0.	-1	M	C	0.	-3		C	.05	16	SSE	1
5	0.	0	M	1	0.	0		C	.01	16	SF	1
6	0.	1	M	1	0.	2		C	.03	16	N	1
7	0.	0	M	C	0.	-1		C	.02	17	N	1
8	0.	1	M	1	0.	-5		C	0.	17	ESE	1
9	.02	1		C	0.	0	ESE	1	0.	15		C
10	.03	2		C	0.	-4		C	0.	16	NE	C
11	.03	2	M	1	0.	-3		C	0.	14	NE	C
12	0.	1	M	1	0.	-4		C	0.	12	F	1
13	0.	1		C	0.	-8		1	0.	12		C
14	0.	1		C	0.	-10		1	0.	4	ESE	1
15	0.	1		C	0.	3		C	0.	2	ENE	1
16	0.	1		C	0.	12	ESE	2	0.	-1	F	1
17	0.	1		C	0.	15	ESE	4	0.	-2	F	1
18	0.	1		C	0.	15	ESE	4	0.	-3	F	1
19	0.	1	ENF	1	0.	17	FSE	3	0.	0	NE	C
20	0.	1	NNF	1	0.	18	ESE	3	0.	4	NE	1
21	0.	2	F	1	0.	17	ESE	2	0.	-1		C
22	0.	3		C	.01	16	E	1	0.	-6		C
23	0.	3	NNF	1	.04	17	ENE	1	0.	-6		C
24	0.	3		C	.04	17	ENE	1	0.	-2		C
TOT	.08			12	.12			25	.21			17
AVE		1		1		5	ESE	1		10	NE	1
MAX		3		1		18		4		17		1
MIN		-2		0		-10		0		-6		0

ALASKA FIELD STATION DECEMBER 1970

HOUR	19			20			21			
	PRECIP	TEMP	WIND-DIRECT SPEED	PRECIP	TEMP	WIND-DIRECT SPEED	PRECIP	TEMP	WIND-DIRECT SPEED	
1	0.	-3	C	.07	14	E	.02	22	WSW	
2	0.	2	C	.07	15		.04	23	WSW	
3	0.	3	C	.05	15		.03	25	WSW	
4	0.	-6	C	.06	16		.04	26	NNW	
5	0.	-11	C	.03	17		.04	26	N	
6	0.	-14	C	.03	17		.03	26	NNW	
7	0.	-14	C	.03	18	ESE	T	28	WSW	
8	0.	-15	C	.04	18		.01	29	WSW	
9	0.	-16	C	.02	19	WSW	.01	29	WSW	
10	0.	-15	C	.04	20	NNE	.01	29	WSW	
11	0.	-11	C	.05	21	NE	0.	29	WSW	
12	0.	-7	C	.02	21	NNE	0.	28	WSW	
13	0.	-6	C	0.	22	NE	0.	27	WSW	
14	0.	-6	C	0.	22	NNE	0.	26	WSW	
15	0.	-3	C	0.	19	ENE	0.	20	WSW	
16	0.	-2	C	0.	14	ENE	0.	16	F	
17	0.	2	C	0.	13	ESE	0.	18	SSF	
18	0.	3	1	0.	16		0.	13	ENF	
19	0.	6	1	0.	18		0.	6	NE	
20	0.	7	1	0.	20		0.	5	E	
21	0.	9	1	0.	20		0.	9	NNE	
22	.04	10	C	0.	21		0.	13	ENE	
23	.17	11	C	0.	21	NNE	0.	15	NE	
24	.08	13	1	.01	21	NNE	0.	17	SF	
TOT	.29		6	.52			.23		31	
AVE		-3	NE		18	NNE		21	WSW	1
MAX		13			22			29		2
MIN		-16			13			5		1

ALASKA FIELD STATION DECEMBER 1970

22

23

24

HOUR	PRECIP	TEMP	WIND DIR	WIND SPEED	PRECIP	TEMP	WIND DIR	WIND SPEED	PRECIP	TEMP	WIND DIR	WIND SPEED
1	0.	14	SSF	1	0.	12	E	1	0.	33	NW	1
2	0.	15	FSF	1	0.	13	NE	1	.05	33	W	3
3	0.	17	EMF	1	0.	22	ESE	2	.08	29	W	5
4	0.	17	NF	1	0.	23	ESE	3	.03	24	W	10
5	.01	19	N	1	0.	24	ESE	3	0.	23	W	10
6	.06	20	N	1	0.	25	ESE	3	0.	20	W	12
7	.01	21	WSW	1	0.	24	ESE	3	0.	18	W	10
8	0.	21	WSW	1	.02	24	ESE	3	0.	15	W	7
9	0.	23	W	1	.01	25	ESE	5	0.	12	W	9
10	0.	24	W	3	.01	25	ESE	5	0.	11	W	10
11	0.	24	W	2	.03	26	ESE	5	0.	12	W	2
12	0.	24	W	2	.03	27	ESE	5	0.	11	W	2
13	0.	23	W	2	.02	28	ESE	5	0.	11	W	6
14	0.	21	WSW	1	.03	29	ESE	4	0.	11	W	4
15	0.	19	WSW	1	.06	29	ESE	5	0.	10	W	3
16	0.	20	WSW	1	.02	30	ESE	5	0.	10	W	2
17	0.	17	SW	1	0.	31	ESE	6	0.	10	W	1
18	0.	10	SSW	1	0.	31	NW	2	0.	10	C	C
19	0.	8	NF	1	0.	31	NNE	1	0.	10	C	C
20	0.	9	NF	1	0.	31	SSE	1	0.	9	C	C
21	0.	16	W	1	0.	33	SE	2	0.	3	C	C
22	0.	17	F	1	0.	34	ESE	3	0.	-4	C	C
23	0.	17	N	1	0.	34	ESE	4	0.	-8	C	C
24	0.	14	N	1	0.	33	E	1	0.	-4	C	C
TOT	.08			29	.23			78	.16			97
AVE		18	W	1		27	ESE	3		13	W	4
MAX		24		3		34		6		33		12
MIN		8		1		12		1		-8		0

ALASKA FIELD STATION DECEMBER 1970

25

WIND WIND-
PRECIP TEMP DIRECT SPEED

1	0.	-4	C	
2	0.	-3	C	
3	0.	0	C	
4	0.	2	C	
5	0.	4	C	
6	0.	6	C	
7	0.	13	C	
8	0.	11	C	F
9	0.	10	C	ESF
10	0.	11	C	
11	0.	13	C	
12	0.	12	C	
13	0.	11	C	
14	0.	11	C	
15	0.	13	C	
16	.01	13	C	
17	.01	11	C	
18	.02	10	C	WSW
19	.01	8	C	W
20	.01	8	C	W
21	0.	6	C	
22	0.	4	C	WNW
23	0.	3	C	WNW
24	0.	3	C	WNW
TOT	.06		9	
AVE		7		WNW
MAX		13		
MIN		-4		

26

WIND WIND-
PRECIP TEMP DIRECT SPEED

1	0.	2	W	1
2	.01	1	W	1
3	.01	0		C
4	0.	-1		C
5	0.	-2		C
6	0.	-4	W	C
7	0.	-6	W	1
8	0.	-6	W	1
9	0.	-7	W	1
10	0.	-9	W	1
11	0.	-10	W	1
12	0.	-11	W	1
13	0.	-12	W	1
14	0.	-13	W	2
15	0.	-14	W	2
16	0.	-14	W	2
17	0.	-14	W	2
18	0.	-15	W	1
19	0.	-15	W	1
20	0.	-15	W	1
21	0.	-20	W	1
22	0.	-27	W	C
23	0.	-32	E	1
24	0.	-35	NNE	1
TOT	.02			24
AVE		-12	W	1
MAX		2		2
MIN		-35		0

- 9-

27

WIND WIND-
PRECIP TEMP DIRECT SPEED

1	0.	-35	NE	1
2	0.	-34		C
3	0.	-32		C
4	0.	-33		C
5	0.	-35		C
6	0.	-37		C
7	0.	-35		C
8	0.	-34		C
9	0.	-32		C
10	0.	-29		C
11	0.	-27		C
12	0.	-25		C
13	0.	-25		C
14	0.	-26	WSW	1
15	0.	-27		C
16	0.	-27		C
17	0.	-27	WNW	1
18	0.	-30		C
19	0.	-29		C
20	0.	-29		C
21	0.	-33	ESE	1
22	0.	-35		C
23	0.	-33		C
TOT	0.00			4
AVE		-31	ESE	0
MAX		-25		1
MIN		-37		0

ALASKA FIELD STATION DECEMBER 1970

28

29

30

HOUR	PRECIP	TEMP	WIND DIR	WIND SPEED	PRECIP	TEMP	WIND DIR	WIND SPEED	PRECIP	TEMP	WIND DIR	WIND SPEED
1	0.	-33		C	0.	-22		C	0.	-44		C
2	0.	-35	E	1	0.	-22		C	0.	-44		C
3	0.	-36	NE	1	0.	-23		C	0.	-43		C
4	0.	-33		C	0.	-24		C	0.	-42		C
5	0.	-29		C	0.	-24		C	0.	-41		C
6	0.	-27		C	0.	-25		C	0.	-40		C
7	0.	-27		C	0.	-27	NW	1	0.	-38		C
8	0.	-30	ESF	1	0.	-30		C	0.	-36		C
9	0.	-33	F	1	0.	-33		C	0.	-35		C
10	0.	-36	N	1	0.	-32		C	0.	-32		C
11	0.	-35	N	1	0.	-29		C	0.	-31		C
12	0.	-34		C	0.	-25		C	0.	-29		C
13	0.	-31		C	0.	-25	N	1	0.	-28		C
14	0.	-29	WSW	1	0.	-27	W	1	0.	-29		C
15	0.	-28	WSW	1	0.	-32	W	1	0.	-34		C
16	0.	-27		C	0.	-34		C	0.	-38		C
17	0.	-27		C	0.	-38		C	0.	-40		C
18	0.	-29		C	0.	-41		C	0.	-43		C
19	0.	-27		C	0.	-42		C	0.	-44		C
20	0.	-26		C	0.	-44		C	0.	-46		C
21	0.	-25		C	0.	-45		C	0.	-46	N	1
22	0.	-25		C	0.	-45		C	0.	-46		C
23	0.	-23	NNE	1	0.	-45		C	0.	-44		C
24	0.	-23		C	0.	-44		C	0.	-46		C
TOT	0.00			9	0.00			4	0.00			1
AVE		-29	N	0		-32	W	0		-39	N	0
MAX		-23		1		-22		1		-28		1
MIN		-36		0		-45		0		-46		0

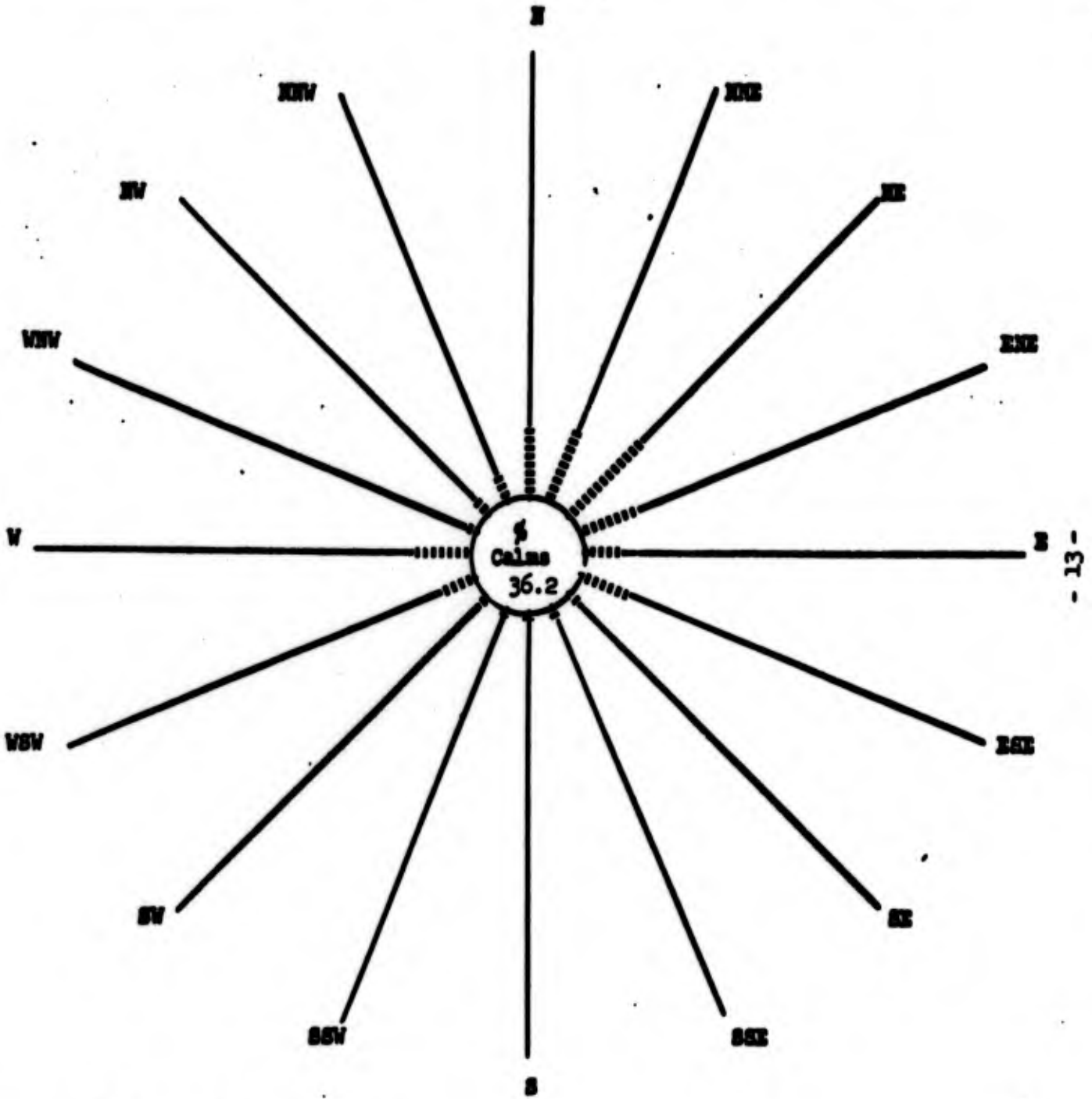
ALASKA FIELD STATION DECEMBER 1970

31

HOUR	PRECIP	TEMP	WIND DIRECTION	WIND SPEED
1	0.	-46		C
2	0.	-44		C
3	0.	-41		C
4	0.	-44		C
5	0.	-46		C
6	0.	-47		C
7	0.	-48		C
8	0.	-49		C
9	0.	-49	N	M
10	0.	-48	N	M
11	0.	-46	N	M
12	0.	-42	NNF	M
13	0.	-43	NNF	M
14	0.	-44	N	M
15	0.	-45	N	M
16	0.	-45	N	M
17	0.	-45	NNF	M
18	0.	-43	NNF	M
19	0.	-41	NNF	M
20	0.	-39	NNF	M
21	0.	-34	F	M
22	0.	-31	WSW	M
23	0.	-32	NNF	M
24	0.	-33	NNF	M
TOT	0.00			
AVE		-43	NNF	
MAX		-31		0
MIN		-49		0

W I N D R O S E
ALASKA FIELD STATION DECEMBER 1970

DIR	HOURLY OBSERVATIONS OF WIND SPEEDS												TOT	AVG SPD	
	1--3	4--7	8--12	13--18	14--24	25--31	32--38	39--46	OVER 46						
N	FREQ 54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	54	1
	PCT 7.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.63	1
NNE	FREQ 63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	63	1
	PCT 8.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.90	1
NE	FREQ 82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	82	1
	PCT 11.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.58	1
ENE	FREQ 49	2.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	51	1
	PCT 6.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.20	1
E	FREQ 26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	26	1
	PCT 3.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.67	1
ESE	FREQ 28	12.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	40	3
	PCT 3.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.65	1
SE	FREQ 6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6	1
	PCT .85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	.85	1
SSE	FREQ 4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4	1
	PCT .56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	.56	1
S	FREQ 2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2	1
	PCT .28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	.28	1
SSW	FREQ 1	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	1
	PCT .14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	.14	1
SW	FREQ 6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6	1
	PCT .85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	.85	1
WSW	FREQ 30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	30	1
	PCT 4.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.24	1
W	FREQ 36	4.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	46	3
	PCT 5.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.50	1
WNW	FREQ 9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9	1
	PCT 1.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.27	1
NW	FREQ 13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13	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	1
NNW	FREQ 19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	19	1
	PCT 2.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.68	1
TOT	FREQ 428	18.00	6.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	452	
	PCT 60.45	2.54	.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	63.84	
CALM	FREQ 256	PCT 36.16												4.84	



- 13 -

4.8 % of Data Missing

Legend line 1: A long horizontal line composed of many small vertical bars.

LEGEND: Each Rip equals one percent of Direction Frequency.

1 to 12 MPH [Dotted line pattern]

13 to 31 MPH [Dashed line pattern]

32 and over [Solid line pattern]

ALASKA FIELD STATION DECEMBER 1970
HOURLY AVERAGES FOR THE MONTH

HOUR	PRECIP	TEMP	WIND DIRECTION	WIND SPEED
1	T	-12	NF	1
2	.01	-12	NF	1
3	.01	-12	ENF	1
4	.01	-13	N	1
5	T	-12	ENF	1
6	T	-12	NNF	1
7	T	-12	NNF	1
8	T	-13	NF	1
9	T	-14	NF	1
10	T	-14	NF	1
11	T	-13	N	1
12	T	-12	NNF	1
13	T	-12	NNF	1
14	T	-13	ENF	1
15	T	-13	N	1
16	T	-13	N	1
17	T	-14	ESF	1
18	T	-14	NF	1
19	T	-13	NF	1
20	T	-13	NNF	1
21	0.00	-13	NF	1
22	T	-13	ENF	1
23	.01	-13	NNF	1
24	T	-13	NNF	1

ALASKA FIELD STATION DECEMBER 1970
MONTHLY CLIMATOLOGICAL SUMMARY

PRECIP	TEMP	WIND	WIND-
	DIRECT	SPEED	SPEED
TOT			
AVE	-12	NF	1
AVE MAX	-2	W	12
AVE MIN	-22		

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 DECEMBER 1970

1

2

3

HOUR	PRECIP	TEMP	WIND- DIRECT	SPEED	PRECIP	TEMP	WIND- DIRECT	SPEED	PRECIP	TEMP	WIND- DIRECT	SPEED
1	0.	-30	SE	1	0.	-33	E	1	0.	-34	FSF	1
2	0.	-31	SE	1	0.	-34	E	1	0.	-37	FSE	1
3	0.	-30	SE	1	0.	-31	E	2	0.	-38	F	1
4	0.	-31	SE	2	0.	-30	E	3	0.	-39	F	1
5	0.	-31	SE	2	0.	-28	E	2	0.	-39	F	1
6	0.	-32	E	2	0.	-31	E	2	0.	-37	F	2
7	0.	-33	NE	2	0.	-30	ESE	2	0.	-36	F	2
8	0.	-32	ESE	2	0.	-30	ESE	2	0.	-37	F	2
9	0.	-33	ESE	2	0.	-30	ESE	2	0.	-37	FSE	2
10	0.	-32	ESE	2	0.	-29	ESE	2	0.	-35	FSF	2
11	0.	-32	ESE	2	0.	-28	ESE	2	0.	-34	F	2
12	0.	-31	E	2	0.	-25	ESE	2	0.	-35		1
13	0.	-33	E	1	0.	-21	E	2	0.	-37		1
14	0.	-34	E	1	0.	-23	E	2	0.	-37		1
15	0.	-33	E	1	0.	-27	E	1	0.	-39		1
16	0.	-36	ENE	1	0.	-29		1	0.	-39	E	1
17	0.	-37	E	1	0.	-31		1	0.	-40	E	1
18	0.	-36	ESF	1	0.	-32		1	0.	-40	E	1
19	0.	-37	E	1	0.	-34		1	0.	-39	FNE	1
20	0.	-37	E	1	0.	-37	ENE	1	0.	-39	E	1
21	0.	-33	E	1	0.	-35	ENE	1	0.	-40	ENE	1
22	0.	-32	E	1	0.	-35	ENE	1	0.	-39	FNE	1
23	0.	-34	E	1	0.	-35	ENE	1	0.	-38	FNE	1
24	0.	-34	ENE	1	0.	-34	E	1	0.	-38	FNE	1
TOT	0.00			33	0.00			33	0.00			27
AVG		-33	E	1		-30	E	1		-38	E	1
MAX		-30		2		-21		3		-34		2
MIN		-37		1		-35		0		-40		0

FOX LOWER DECEMBER 1970

4

5

6

HOUR	PRECIP	TEMP	WIND- DIRECT	SPEED	PRECIP	TEMP	WIND- DIRECT	SPEED	PRECIP	TEMP	WIND- DIRECT	SPEED
1	0.	-38	E	1	0.	-37		C	0.	-38		C
2	0.	-38	E	1	0.	-38		C	0.	-38		C
3	0.	-37	E	1	0.	-38		C	0.	-16	NE	1
4	0.	-37		C	0.	-34		C	0.	-10	NE	6
5	0.	-37		C	0.	-29		C	0.	-11	NE	8
6	0.	-37		C	0.	-24		C	0.	-11	NE	9
7	0.	-38		C	0.	-24		C	0.	-11	NE	8
8	0.	-38		C	0.	-24		C	0.	-10	NE	8
9	0.	-38	E	1	0.	-30		C	0.	-10	NE	8
10	0.	-39	E	1	0.	-32		C	0.	-9	NE	9
11	0.	-37	E	1	0.	-33	ESE	1	0.	-9	NE	11
12	0.	-37	E	1	0.	-35	SE	1	0.	-9	NE	6
13	0.	-37	E	1	0.	-36	SE	1	0.	-8	NE	6
14	0.	-37	E	1	0.	-37	ESE	1	0.	-7	NE	6
15	0.	-38	E	1	0.	-37	ESE	1	0.	-6	NE	6
16	0.	-39	E	1	0.	-34	E	2	0.	-6	NE	7
17	0.	-39	E	1	0.	-36		C	0.	-5	NE	9
18	0.	-38	E	1	0.	-36		C	0.	-5	NE	10
19	0.	-34	E	1	0.	-32	NE	1	0.	-6	NE	10
20	0.	-35	E	1	0.	-31	ENE	1	0.	-6	NE	10
21	0.	-36	E	1	0.	-33	ENE	1	0.	-6	NE	9
22	0.	-36	E	1	0.	-35	W	1	0.	-6	NE	8
23	0.	-37	E	1	0.	-37	E	1	0.	-6	NE	8
24	0.	-37	ENE	1	0.	-35	SE	1	0.	-6	NE	8
TOT	0.00			12	0.00			12	0.00			171
AVF		-37	E	1		-32	ESE	1		-11	NE	7
MAX		-34		1		-24		2		-5		11
MIN		-39		0		-38		0		-38		10

- 17-

FOX LOWER DECEMBER 1970

7

8

9

HOURL	PRECIP	TEMP	WIND DIR	WIND SPD	PRECIP	TEMP	WIND DIR	WIND SPD	PRECIP	TEMP	WIND DIR	WIND SPD
1	0.	-7	NE	8	0.	-2	ENE	3	0.	M		C
2	0.	-7	NE	8	0.	-2	ENE	3	0.	M		C
3	0.	-7	NE	7	0.	-4	ENE	2	0.	M		1
4	0.	-6	NE	7	0.	-4	NE	2	0.	M		1
5	0.	-6	NE	7	0.	-12	SW	1	0.	M		1
6	0.	-7	NE	7	0.	-15	SW	1	0.	M		1
7	0.	-8	NE	4	0.	-18	SSE	1	0.	M		1
8	0.	-8	ENE	5	0.	-22	ENE	1	0.	M		1
9	0.	-7	ENE	5	0.	-22	NE	1	0.	M		1
10	0.	-7	ENE	6	0.	-17	SSW	1	0.	M		1
11	0.	-7	ENE	7	0.	-18	E	1	0.	M		1
12	0.	-6	ENE	6	0.	-20	N	1	0.	M		1
13	0.	-6	ENE	6	0.	-20	SW	1	0.	M		1
14	0.	-9	ENE	3	0.	-23	ESE	1	0.	M		1
15	0.	-9	ENE	2	0.	-24	ESE	2	0.	M		1
16	0.	-8	ENE	4	0.	-21	SSW	1	0.	M		1
17	0.	-12	F	2	0.	-21	SSW	1	0.	M		1
18	0.	-12	F	1	0.	-24	SSW	1	0.	M		1
19	0.	-16	F	2	0.	-25	ENE	1	0.	M		2
20	0.	-13	NE	1	0.	-24	SE	1	0.	M		1
21	0.	-18	SSW	1	0.	-25	ENE	1	0.	M		1
22	0.	-18	SSW	1	0.	-22	ENE	1	0.	M		1
23	0.	-8	SSW	1	0.	-18		1	0.	M		1
24	0.	-5	NE	4	0.	-17		1	0.	M		1
TOT	0.00			105	0.00			29	0.00			22
AVG		-9	ENE	4		-18	ENE	1			E	1
MAX		-5		8		-22		3				20
MIN		-18		1		-25		0				0

- 18-

FOX LOWER DECEMBER 1970

10

11

12

HOUR	PRECIP TEMP	WIND DIRECTION	WIND SPEED	PRECIP	TEMP	WIND DIRECTION	WIND SPEED	PRECIP	TEMP	WIND DIRECTION	WIND SPEED
1	0.	M		0.	4	NNE	3	0.	1	NE	7
2	0.	M	SE	0.	4	NNE	2	0.	1	NF	7
3	0.	M	ESF	0.	4	NNE	2	0.	1	NF	6
4	0.	M	ESF	0.	4	NNE	2	0.	1	NF	6
5	0.	M	NNE	0.	4	NNE	3	0.	1	NF	6
6	0.	M	NF	0.	4	NNE	3	0.	1	NF	5
7	0.	M	NF	0.	4	NNE	3	0.	1	NF	4
8	0.	M	NF	0.	4	NNE	4	0.	-2	NF	2
9	0.	M	NF	0.	4	NNE	4	0.	-8	NF	2
10	0.	13	NF	0.	3	NNE	3	0.	-9	NF	2
11	0.	6	NF	0.	3	NNE	3	0.	-6	NF	2
12	0.	1	SE	0.	2	NNE	4	0.	-3	NF	3
13	0.	6	F	0.	1	NE	4	0.	0	NF	3
14	0.	10	F	0.	0	NE	4	0.	0	NF	3
15	0.	9	ENE	0.	-8	ENE	1	0.	-5	NF	3
16	0.	6	ENE	0.	-3	ENE	1	0.	-5	NF	3
17	0.	4	ENE	0.	-2	ENE	4	0.	-4	NF	3
18	0.	4	ENE	0.	-2	NE	6	0.	-5	NF	3
19	0.	4	NF	0.	-2	NE	6	0.	-4	NF	4
20	0.	3	ENE	0.	-3	NE	6	0.	-4	NF	5
21	0.	3	ENE	0.	-3	NE	6	0.	-11	NF	2
22	0.	4	ENE	0.	-3	NE	6	0.	-12	NF	0
23	0.	3	NF	0.	-2	NE	6	0.	-3	NF	3
24	0.	3	NF	0.	-1	NF	6	0.	-2	NF	5
24	0.	3	NF	0.	0	NE	6	0.	-2	NF	5
TOT	0.00			0.00			94	0.00			91
AVG			NF		1	NNE	4		-3	NE	4
MAX	13			4			6		1		7
MIN	1			-8			1		-12		0

- 19-

FOX LOWER DECFMNER 1970

13

14

15

13	14	15										
HOUR	PRECIP	TEMP	WIND- DIRECT	SPEED	PRECIP	TEMP	WIND- DIRECT	SPEED	PRECIP	TEMP	WIND- DIRECT	SPEED
1	0.	0	ENE	5	0.	6	ENE	5	0.	-13	E	C
2	0.	-9	ENE	1	0.	3	ENE	2	0.	-13	E	I
3	0.	-4	ENE	4	0.	7	NE	4	0.	-16	E	I
4	0.	5	ENE	4	0.	9	NE	4	0.	-17	E	I
5	0.	3	ENE	3	0.	8	NE	4	0.	-18	F	I
6	0.	1	F	3	0.	9	NE	5	0.	-20	ENE	I
7	0.	0	ENE	4	0.	9	NNE	4	0.	-20	F	I
8	0.	-1	ENE	2	0.	10	NNE	4	0.	-17	F	I
9	0.	2	ENE	2	0.	9	NNE	4	0.	-12	FNE	I
10	0.	6	ENE	4	0.	-1	NNE	2	0.	-9	F	I
11	0.	11	ENE	5	0.	9	WNW	1	0.	-8	SSF	I
12	0.	12	NE	5	0.	4	SW	2	0.	-7	WSW	C
13	0.	13	NNE	5	0.	-2	SW	1	0.	-6	NNW	I
14	.01	14	NNE	3	0.	-2	SW	1	0.	-6	NNW	I
15	.02	14	NNE	2	0.	-4	SW	3	0.	-6	NNW	I
16	0.	14	NNE	4	0.	-9	SW	C	0.	-6	SW	I
17	0.	14	NNE	4	0.	-11	SW	1	0.	-5	NE	I
18	0.	14	NE	4	0.	-14	S	1	0.	-4	NE	I
19	0.	13	NE	4	0.	-14	ESE	1	0.	-3	NE	I
20	0.	12	NE	4	0.	-16	ESE	1	0.	-3	W	I
21	0.	11	F	4	0.	-16	ESE	1	0.	-2	E	C
22	0.	7	ESF	3	0.	-17	E	1	0.	-2	C	C
23	0.	8	ENE	3	0.	-15	E	1	0.	-1	C	C
24	0.	7	ENE	2	0.	-14	NE	1	0.	0	C	C
TOT	.03	84		84	0.00	54		54	0.00	-9	F	18
AVE		7	ENE	4		-2	NE	2		0		1
MAX		14		5		10		5		-20		1
MIN		-9		1		-17		0				0

- 20-

FOX LOWER DECEMBER 1970

16

17

18

HOUR	PRECIP	TEMP	WIND- DIRECT	SPEED	PRECIP	TEMP	WIND- DIRECT	SPEED	PRECIP	TEMP	WIND- DIRECT	SPEED
1	0.	1	NE	1	0.	3		C	.02	17		C
2	0.	1	SSW	1	.02	4	SW	1	.04	17	W	1
3	0.	1		C	.01	1	S	C	.05	17	W	1
4	0.	2		C	0.	0		1	.03	17	W	1
5	0.	2	ENE	C	0.	3	SE	1	.02	17	SE	2
6	0.	2		C	0.	5	SSE	1	.02	17		C
7	0.	2		C	0.	5	SSE	1	0.	17		C
8	0.	3	WSW	1	0.	3	SSE	1	0.	17		C
9	.01	3	W	2	0.	1	SSE	2	0.	17		C
10	.02	3	W	1	0.	2	SSE	2	0.	16		C
11	.03	3	W	1	0.	4	SSE	2	0.	15		C
12	0.	3	W	1	0.	3	SSE	2	0.	17		C
13	0.	3	W	1	0.	0	SSE	1	0.	17		C
14	0.	2	W	1	0.	0	SW	1	0.	11		C
15	0.	1		C	0.	9	SW	1	0.	6	S	1
16	0.	0		C	0.	14	ESE	3	0.	2	S	1
17	0.	-2	S	C	0.	15	ESE	6	0.	5	S	1
18	0.	-1	SSW	C	0.	16	ESE	4	0.	8	S	1
19	0.	0	S	1	0.	17	ESE	3	0.	11	S	1
20	0.	1	S	1	0.	19	ESE	3	0.	13	W	1
21	0.	1		C	0.	20	SSE	1	0.	6	W	C
22	0.	1		C	.01	20	SSE	1	0.	2	SSW	1
23	0.	2		C	.04	18	W	2	0.	3	SSW	1
24	0.	2		C	.03	18	W	1	0.	3	SSW	1
TOT	.06			14	.11			40	.18			14
AVE		2	W	1		9	SSE	2		12	W	1
MAX		3		2		20		6		17		2
MIN		-2		0		0		0		2		0

FOX LOWER DECEMBER 1970

19

20

21

HOOR	PRECIP	TEMP	WIND- DIRECT	WIND- SPEED	PRECIP	TEMP	WIND- DIRECT	WIND- SPEED	PRECIP	TEMP	WIND- DIRECT	WIND- SPEED
1	0.	4	C	C	.05	14		C	.01	26	SE	1
2	0.	5	C	C	.04	15		C	.04	28		C
3	0.	8	SSE		.03	16		C	.03	30		C
4	0.	3	S		.02	16		C	.03	31		C
5	0.	0	S		.01	16		C	.02	30	W	1
6	0.	-2	S		.03	17		C	.03	30	W	1
7	0.	-6	S		.03	17		C	.02	30	W	2
8	0.	-10	S		.04	19		C	0.	30	W	1
9	0.	-10	S		.05	19		C	0.	30	W	4
10	0.	-9	SE		.05	20		C	0.	28	W	3
11	0.	-4	SE		.05	21	SE	C	0.	28	W	3
12	0.	-7	S		.03	22		C	0.	27	W	4
13	0.	-8	SSW		0.	24		C	0.	26	W	3
14	0.	-7	SE		0.	23		C	0.	25	W	2
15	0.	-3	SE		0.	21	SE	C	0.	24	W	2
16	0.	1	SE		0.	19	SE	C	0.	22	W	1
17	0.	4	C		0.	17		C	0.	17		C
18	0.	7	C		0.	19		C	0.	11	SE	1
19	0.	9	ENE		0.	19		C	0.	13	SE	1
20	0.	11	ENE		0.	20		C	0.	12	SE	1
21	.01	11	W		0.	22		C	0.	8	SSE	1
22	.07	11	W		0.	23		C	0.	7	SSE	1
23	.04	11	ENE		0.	24		C	0.	9	SSF	1
24	.07	13	C		0.	24		C	0.	12	SSF	1
TOT	.19				.40				.18			
AVF		1		3		19	SE	3		22	W	36
MAX		13	S	0		24		0		31		2
MIN		-10		0		14		0		17		4

FOX LOWER DECEMBER 1970

22

23

24

HOUR	PRECIP	TEMP	WIND- DIRECT	SPEED	PRECIP	TEMP	WIND- DIRECT	SPEED	PRECIP	TEMP	WIND- DIRECT	SPEED
1	0.	14	SSW	1	0.	14	SSE	1	.10	32	SSE	1
2	0.	14	SE	1	0.	14	ESE	1	.08	32	SW	4
3	0.	15	ESE	1	.0.	15	WSW	1	.03	31	WSW	8
4	0.	17	SE	1	0.	22	SE	2	.01	22	WSW	12
5	0.	18	W	1	0.	23	SE	3	0.	21	WSW	11
6	.14	20	W	1	0.	23	SE	2	0.	19	WSW	11
7	.05	21	W	1	0.	24	ESE	2	0.	16	WSW	12
8	0.	23	W	5	.01	23	ESE	2	0.	13	WSW	10
9	0.	23	W	5	.05	24	ESE	2	0.	9	WSW	10
10	0.	23	W	5	.02	25	NE	2	0.	8	WSW	9
11	0.	24	W	6	.04	26	NE	2	0.	8	WSW	7
12	0.	24	W	7	.04	26	NE	2	0.	8	WSW	4
13	0.	23	W	5	.06	27	ESE	2	0.	8	WSW	6
14	0.	23	W	5	.07	29	ENE	2	0.	7	WSW	6
15	0.	23	W	5	.07	29	NE	2	0.	7	WSW	5
16	0.	22	W	2	0.	30	NE	2	0.	7	WSW	4
17	0.	19	W	1	0.	31	ESE	3	0.	6	WSW	2
18	0.	17		C	0.	31	ESE	2	0.	7	WSW	C
19	0.	14	SSW	1	0.	31	NE	1	0.	7	SSW	1
20	0.	10	SSW	1	0.	30	SE	1	0.	6	ESE	1
21	0.	10	S	1	0.	30	SE	1	0.	3	NE	1
22	0.	12	SE	1	0.	31	E	2	0.	-1	F	1
23	0.	17	WSW	2	0.	33	SSW	3	0.	-7	F	1
24	0.	16	ESE	1	.02	33	SSE	3	0.	-5	F	1
TOT	.19			60	.38		ESE	45	.22		WSW	128
AVF		18		3		26		2		11		5
MAX		24		7		33		3		32		12
MIN		10		0		14		1		-7		0

FOX LOWER DECEMBER 1970

	25			26			27		
	PRECIP	TEMP	WIND-DIRECT SPEED	PRECIP	TEMP	WIND-DIRECT SPEED	PRECIP	TEMP	WIND-DIRECT SPEED
1	0.	-3	ENE 1	.01	-1	W 2	0.	-36	FSE 2
2	0.	-5	ENE 1	.01	-2	W 1	0.	-34	ESE 2
3	0.	-2	C 1	0.	-3	W 1	0.	-31	FSE 2
4	0.	4	C 1	0.	-4	NE 1	0.	-31	FSE 1
5	0.	6	N 1	0.	-6	W 2	0.	-32	FSE 1
6	0.	7	NNE 1	0.	-8	W 4	0.	-33	FSE 1
7	0.	7	NE 4	0.	-9	W 3	0.	-32	SF 1
8	0.	8	NE 3	0.	-10	W 1	0.	-31	E 1
9	0.	H	NE 3	0.	-10	W 2	0.	-29	NF 1
10	0.	10	NE 3	0.	-12	W 2	0.	-26	NF 1
11	0.	10	NE 3	0.	-13	W 2	0.	-25	NF 2
12	0.	10	NF 2	0.	-14	W 3	0.	-24	NF 3
13	0.	10	NE 2	0.	-16	W 4	0.	-23	NNE 3
14	0.	10	NNE 2	0.	-16	MSW 4	0.	-24	NNE 2
15	0.	11	NNE 2	0.	-18	MSW 4	0.	-25	NF 2
16	0.	11	NNE 1	0.	-18	MSW 4	0.	-27	NF 2
17	0.	11	NNE 1	0.	-19	MSW 4	0.	-27	WSW C
18	.01	7	NNE 1	0.	-19	MSW 4	0.	-28	FNE 1
19	.01	6	NNE 2	0.	-19	MSW 4	0.	-29	FSE 1
20	.01	3	W 3	0.	-19	MSW 2	0.	-34	FSE 1
21	0.	1	NE 2	0.	-21	SSW 1	0.	-31	WSW 1
22	0.	-1	W 2	0.	-27	SSE 1	0.	-31	SSW 1
23	0.	-2	W 2	0.	-32	ESE 2	0.	-37	FSE 2
24	.01	-2	W 1	0.	-35	E 2	0.	-37	E 1
TOT	.04		43	.02		58	0.00		33
AVF	5		NE		-15	W		-30	FSE
MAX	11		4		-1	4		-23	3
MIN	-5		0		-35	1		-37	0

FOX LOWER DECEMBER 1970

	28			29			30		
HOURL	PRECIP	TEMP	WIND- DIRECT SPEED	PRECIP	TEMP	WIND- DIRECT SPEED	PRECIP	TEMP	WIND- DIRECT SPEED
1	0.	-38	ESE	0.	-23	NE	0.	-45	C
2	0.	-37	ENE	0.	-23	NE	0.	-43	C
3	0.	-39	ENE	0.	-24	NE	0.	-44	C
4	0.	-36	S	0.	-24		0.	-43	1
5	0.	-33	SW	0.	-23	ENE	0.	-41	1
6	0.	-32	WSW	0.	-23		0.	-38	1
7	0.	-31	ESE	0.	-22		0.	-36	1
8	0.	-33	ESE	0.	-24		0.	-37	1
9	0.	-36	ESE	0.	-26		0.	-35	1
10	0.	-37	E	0.	-27	E	0.	-32	1
11	0.	-35	E	0.	-26	SW	0.	-30	2
12	0.	-32		0.	-23		0.	-29	1
13	0.	-30		0.	-23		0.	-29	C
14	0.	-28		0.	-25	WSW	0.	-28	C
15	0.	-27	ENE	0.	-28	ESE	0.	-31	1
16	0.	-27		0.	-33	S	0.	-34	1
17	0.	-27	WSW	0.	-36	ESE	0.	-37	2
18	0.	-26	WSW	0.	-38	ESE	0.	-40	2
19	0.	-26	NNE	0.	-40	ESE	0.	-39	2
20	0.	-26	WSW	0.	-42	ESE	0.	-39	2
21	0.	-25		0.	-44	ESE	0.	-40	2
22	0.	-24		0.	-44		0.	-41	2
23	0.	-24		0.	-44		0.	-42	2
24	0.	-24		0.	-44	E	0.	-38	1
TOT	0.00		15	0.00		14	0.00		25
AVG		-31	WSW		-36	ESE		-37	1
MAX		-24			-22			-28	1
MIN		-39			-44			-45	0

FOX LOWER DECEMBER 1970

31

HOUR	PRECIP	TEMP	WIND- DIRECT	WIND- SPEED
1	0.	-37	E	2
2	0.	-40	E	2
3	0.	-40	E	1
4	0.	-39	E	2
5	0.	-43	E	1
6	0.	-45	NE	1
7	0.	-45	ENE	1
8	0.	-40	ENE	1
9	0.	-44	ENE	1
10	0.	-41	ENE	1
11	0.	-40		0
12	0.	-38	NE	1
13	0.	-34	NE	1
14	0.	-33	ENE	2
15	0.	-33	E	2
16	0.	-33	E	2
17	0.	-33	E	2
18	0.	-34	E	2
19	0.	-38	E	2
20	0.	-30	E	2
21	0.	-29	E	2
22	0.	-27	E	2
23	0.	-26	E	2
24	0.	-27	E	2
TOT	0.00			37
AVE		-36	E	2
MAX		-26		2
MIN		-45		0

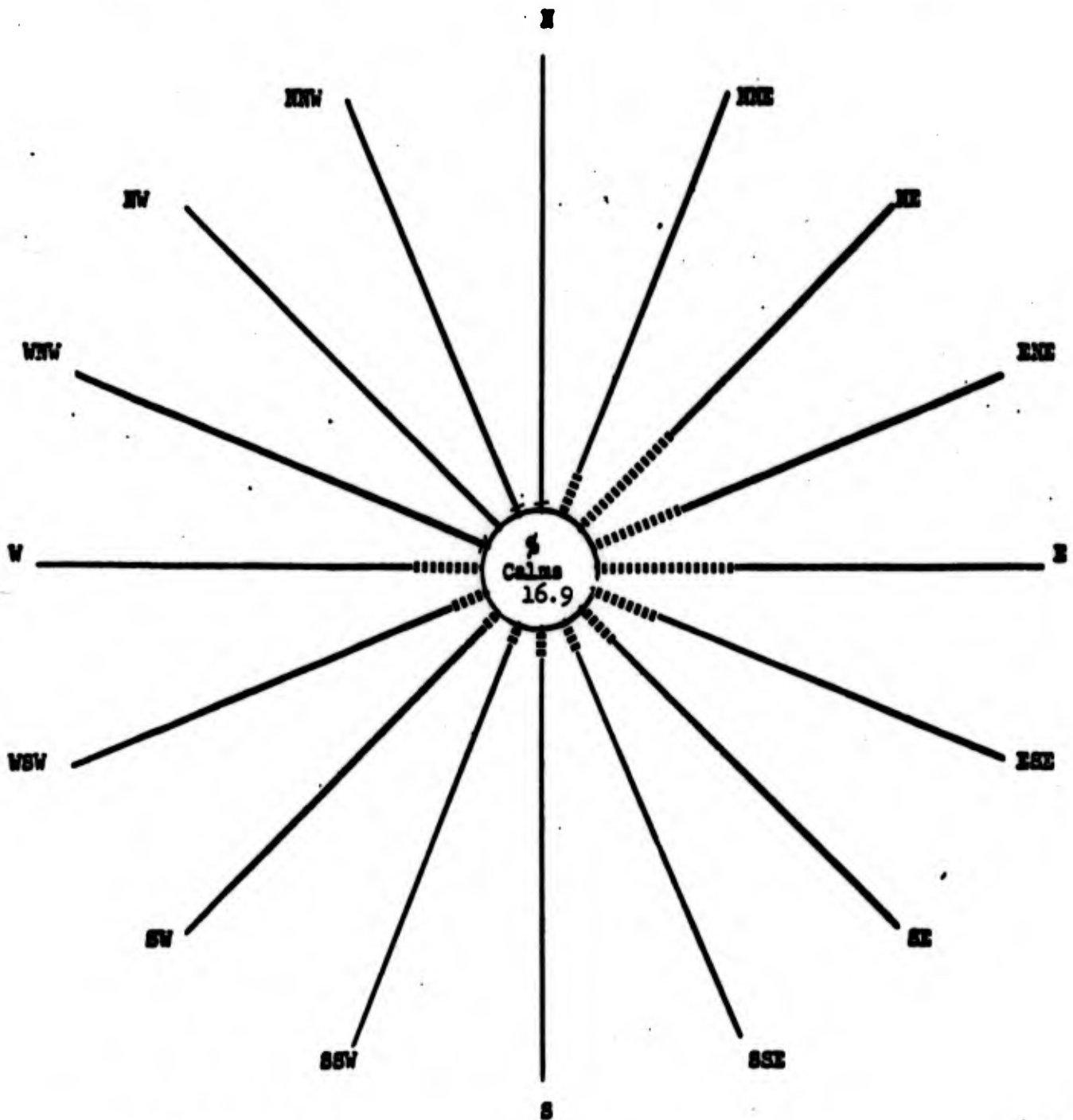
WIND ROSE
 FOX LOWER DECEMBER 1970

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 3	0	0	0	0	0	0	0	0	0	0	0	0	3	1
	PCT .40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	.40	
NNE	FREQ 26	9	0	0	0	0	0	0	0	0	0	0	0	35	3
	PCT 3.49	1.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.70	
NE	FREQ 55	43	17	0	0	0	0	0	0	0	0	0	0	115	4
	PCT 7.39	5.78	4.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15.46	
ENE	FREQ 65	15	0	0	0	0	0	0	0	0	0	0	0	80	2
	PCT 8.74	2.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.75	
E	FREQ 117	1	0	0	0	0	0	0	0	0	0	0	0	118	1
	PCT 15.73	.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15.86	
ESE	FREQ 58	3	0	0	0	0	0	0	0	0	0	0	0	61	2
	PCT 7.80	.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.20	
SE	FREQ 34	0	0	0	0	0	0	0	0	0	0	0	0	34	1
	PCT 4.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.57	
SSE	FREQ 24	0	0	0	0	0	0	0	0	0	0	0	0	24	1
	PCT 3.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.23	
S	FREQ 20	0	0	0	0	0	0	0	0	0	0	0	0	20	1
	PCT 2.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.69	
SSW	FREQ 17	0	0	0	0	0	0	0	0	0	0	0	0	17	1
	PCT 2.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.28	
SW	FREQ 16	1	.13	0	0	0	0	0	0	0	0	0	0	17	1
	PCT 2.15	.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.28	
WSW	FREQ 13	12	8	0	0	0	0	0	0	0	0	0	0	33	5
	PCT 1.75	1.61	1.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.44	
W	FREQ 46	11	0	0	0	0	0	0	0	0	0	0	0	57	2
	PCT 6.18	1.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.66	
WNW	FREQ 1	0	0	0	0	0	0	0	0	0	0	0	0	1	1
	PCT .13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	.13	
NW	FREQ 0	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	0.00	
NNW	FREQ 3	0	0	0	0	0	0	0	0	0	0	0	0	3	1
	PCT .40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	.40	
TOT	FREQ 498	95	25	0	0	0	0	0	0	0	0	0	0	618	
	PCT 66.94	12.77	4.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	83.06	
CALM	FREQ 126	PCT	16.94											0.00	

FOX LOWER

WIND ROSE

DECEMBER 1970






- 28 -

- 0 - % of Data Missing



LEGEND: Each Blip equals one percent of Direction Frequency.

- 1 to 12 MPH 
- 13 to 31 MPH 
- 32 and over 

FOX LOWER DECEMBER 1970
HOURLY AVERAGES FOR THE MONTH

HOUR	PRECIP	TEMP	WIND- DIRECT	WIND- SPEED
1	.01	-10	NE	2
2	.01	-10	ENE	2
3	T	-9	NE	2
4	T	-8	NE	2
5	T	-8	NE	2
6	.01	-8	NE	2
7	T	-9	NE	2
8	T	-9	ENE	2
9	T	-9	NE	2
10	T	-9	NE	2
11	T	-8	NE	2
12	T	-7	NE	2
13	T	-7	NE	2
14	T	-8	ENE	2
15	T	-9	E	2
16	0.00	-9	E	2
17	0.00	-10	E	2
18	T	-10	NE	2
19	T	-10	NE	2
20	T	-10	E	2
21	T	-11	ENE	2
22	T	-11	E	2
23	T	-10	E	2
24	T	-10	E	2

FOX LOWER DECEMBER 1970
MONTHLY CLIMATOLOGICAL SUMMARY

	PRECIP.	TEMP	- 1000 WIND -	
		DIRECT	SPEED	
TOT	2.00		f	2
AVE		-9	WSN	12
MAX		-1		
AVE		-19		
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 2 TIMES

ARCTIC MEDICAL WSCN LAH DECEMBER 1970

HOUR	1			2			3		
	TEMP	- WIND DIRECT SPEED	WIND CHILL	TEMP	- WIND DIRECT SPEED	WIND CHILL	TEMP	- WIND DIRECT SPEED	WIND CHILL
1	-32	M	1045	-38	M	1124	-39	M	1115
2	-34	M	1050	-38	M	1098	-40	C	1051
3	-34	M	1094	-42	M	1227	-40	M	1127
4	-35	M	1105	-40	M	1154	-41	C	766
5	-35	M	1103	-38	M	1119	-41	C	811
6	-37	M	1119	-40	M	1114	-41	M	1212
7	-35	M	1049	-39	M	1120	-42	M	1144
8	-36	M	1074	-40	M	1127	-43	C	1051
9	-36	C	1011	-41	M	1153	-43	C	963
10	-36	C	963	-41	C	891	-42	C	956
11	-35	C	901	-39	M	1121	-39	M	1099
12	-36	M	1108	-37	M	1103	-38	M	1116
13	-35	C	924	-34	M	1097	-38	C	1052
14	-35	M	1061	-32	M	1264	-39	C	997
15	-35	M	1092	-32	M	1060	-39	C	1052
16	-34	C	945	-34	M	1057	-39	C	814
17	-35	M	1056	-34	M	1105	-40	M	1109
18	-35	M	1054	-36	M	1155	-39	M	1117
19	-36	C	1049	-36	M	792	-40	C	1020
20	-34	C	990	-37	C	814	-40	M	1138
21	-41	M	1114	-37	C	809	-42	M	1219
22	-41	C	1079	-38	M	1087	-41	C	989
23	-41	M	1129	-34	C	997	-42	C	1049
24	-39	M	1115	-34	C	752	-43	C	987
TOT		16			19			10	
AVE	-36		1053	-37		1058	-40		1040
MAX	-32		1120	-32	2	1264	-38	1	1219
MTN	-41		811	-42	0	752	-43	0	766

ARCTIC MEDICAL RSCH LAH DECEMBER 1970

6

4	5	6						
TEMP	WIND SPEED	WIND CHILL	TEMP	WIND SPEED	WIND CHILL	TEMP	WIND SPEED	WIND CHILL
-43	C	1052	-40	M	1115	-40	M	1003
-43	I	1130	-40	C	977	-42	I	1240
-43	I	1164	-40	C	974	-41	I	1118
-43	C	1175	-39	C	983	-41	I	1171
-44	C	943	-38	I	1088	-41	I	1110
-44	C	1001	-32	C	934	-43	I	1207
-44	I	1143	-29	C	944	-42	I	1243
-44	C	1179	-27	C	869	-42	I	1206
-42	I	1144	-29	I	1031	-43	I	1145
-42	I	1170	-30	I	1048	-42	I	1114
-41	C	995	-31	M	1070	-41	C	971
-40	C	941	-32	M	1060	-39	C	1075
-40	C	982	-33	M	972	-34	I	716
-40	C	948	-34	C	980	-32	C	718
-41	C	821	-35	C	904	-32	C	774
-41	C	968	-30	C	992	-33	C	765
-41	C	885	-36	C	1002	-29	C	1002
-41	C	935	-37	I	1116	-30	C	1036
-41	C	955	-39	I	1136	-30	I	994
-41	C	951	-37	I	1105	-22	I	1042
-40	C	896	-37	I	1092	-10	M	1005
-40	C	845	-39	C	945	-12	M	1300
-40	C	819	-39	C	981	-9	M	1300
-40	I	1124	-39	C	855	-11	M	1272
TOT	6		10	24				
AVE	0	1097	0	1013		-33	1	1052
MAX	1	1143	1	1136		-9	5	1300
MIN	0	821	0	855		-43	0	716

ARCTIC MEDICAL WSCM LAB DECEMBER 1970

7

M

9

WDIR	TEMP	- WIND DIREC	WIND- SPEED	WIND CHILL	TEMP	- WIND DIREC	WIND- SPEED	WIND CHILL	TEMP	- WIND DIREC	WIND- SPEED	WIND CHILL
1	-13	M	5	1320	-10	M	2	1079	-5	M	2	975
2	-11	M	2	1047	-13	M	4	1277	-2	M	3	1062
3	-16	M	1	1088	-11	M	4	1244	-3	M	3	1080
4	-20	M	1	978	-12	M	3	1165	-3	M	3	1094
5	-21	M	1	1052	-20	M	1	1193	-6	M	2	1055
6	-24	M	1	995	-20	M	1	1014	-7	M	2	1022
7	-24	M	1	1091	-14	M	1	932	-5	M	4	1175
8	-25	M	1	1064	-10	M	2	1089	-11	M	4	1271
9	-21	M	1	981	-11	M	2	1091	-15	M	2	1072
10	-20	M	1	946	-12	M	2	1100	-13	M	1	981
11	-17	M	M	M	-14	M	1	941	-18	M	2	1112
12	-15	M	M	M	-15	M	1	976	-19	M	1	1041
13	-15	M	M	M	-14	M	2	1062	-10	M	1	1071
14	-14	M	2	1064	-14	M	1	1037	-20	M	1	1089
15	-16	M	2	1099	-17	M	1	1013	-16	M	2	1125
16	-21	M	1	1116	-18	M	1	1080	-16	M	2	1112
17	-17	M	1	963	-12	M	2	1075	-17	M	1	1049
18	-16	M	2	1125	-17	M	2	1102	-19	M	1	996
19	-14	M	1	1040	-20	M	1	1104	-18	M	1	957
20	-17	M	1	1053	-22	M	1	1109	-17	M	1	939
21	-17	M	1	1074	-22	M	1	1086	-16	M	1	916
22	-10	M	1	1025	-22	M	1	1091	-16	M	1	912
23	-11	M	2	1126	-7	M	2	1045	-18	M	1	932
24	-12	M	3	1140	-10	M	2	1115	-19	M	C	710
TOT							41				42	
AVF	-17		2	1064	-15		2	1080	-13		2	1031
MAX	-11		5	1320	-7		4	1277	-2		4	1271
MIN	-25		1	946	-22		1	932	-20		0	710

ARCTIC MEDICAL RSCH LAB DECEMBER 1970

10

11

12

HR	TEMP	WIND- DIRECT	WIND- SPEED	WIND- CHILL	TEMP	WIND- DIRECT	WIND- SPEED	WIND- CHILL	TEMP	WIND- DIRECT	WIND- SPEED	WIND- CHILL
1	-10	M	1	940	5	M	2	891	-4	M	1	810
2	-20	M	1	938	5	M	3	945	-2	M	1	806
3	-20	M	1	938	5	M	2	939	-5	M	1	854
4	-17	M	1	926	5	M	2	924	-7	M	1	833
5	-15	M	1	922	4	M	2	911	-4	M	1	825
6	-16	M	1	962	4	M	2	893	-6	M	1	802
7	-11	M	2	1079	4	M	1	874	-10	M	1	892
8	-13	M	2	1114	2	M	C	561	-12	M	1	1031
9	-13	M	1	977	-2	M	1	792	-13	M	1	901
10	-13	M	1	981	-4	M	C	600	-12	M	C	731
11	-13	M	1	981	-7	M	C	740	-10	M	1	886
12	-11	M	C	827	-6	M	1	840	-11	M	C	847
13	-9	M	1	873	-8	M	1	844	-12	M	C	625
14	-11	M	1	914	-11	M	1	1012	-13	M	1	898
15	-12	M	1	963	-7	M	1	907	-14	M	C	637
16	-12	M	1	921	-7	M	1	869	-15	M	C	705
17	-9	M	1	907	-7	M	1	821	-15	M	C	775
18	-9	M	1	907	-8	M	C	818	-15	M	C	852
19	-7	M	1	857	-9	M	1	860	-16	M	1	909
20	-3	M	1	845	-10	M	1	854	-16	M	1	930
21	2	M	1	817	-11	M	1	867	-14	M	1	930
22	3	M	2	972	-10	M	C	808	-16	M	1	929
23	4	M	2	941	-8	M	1	832	-16	M	1	946
24	4	M	3	984	-5	M	1	805	-16	M	1	916
TOT		29	26				17					
AVE	-10	1	1	931	-4		1	844	-11		1	859
MAX	4	3	3	1104	5		3	1012	-2		1	1031
MIN	-20	0	0	817	-11		0	561	-16		0	635

ARCTIC METEOROLOGICAL RECORD FOR DECEMBER 1970

13

14

15

HR	TEMP	WIND DIRECT	WIND SPEED	WIND CHILL	TEMP	WIND DIRECT	WIND SPEED	WIND CHILL	TEMP	WIND DIRECT	WIND SPEED	WIND CHILL
1	-15	M	1	967	-8	M	1	848	-13	M	1	886
2	-15	M	1	1031	-10	M	1	862	-11	M	1	898
3	-14	M	1	922	-9	M	1	886	-15	M	1	915
4	-14	M	1	1006	-9	M	C	791	-16	C	C	817
5	-13	M	2	1058	-6	M	1	844	-17	C	C	761
6	-13	M	1	946	-4	M	1	818	-18	C	C	675
7	-11	M	1	917	-3	M	1	818	-19	C	C	891
8	-7	M	1	923	-3	M	1	820	-18	C	C	886
9	-3	M	1	836	-7	M	1	908	-13	M	1	883
10	-3	M	1	839	-9	M	1	979	-11	M	2	1048
11	-1	M	1	822	-6	M	1	974	-10	M	3	1153
12	1	M	1	811	-7	M	1	965	-8	M	2	1003
13	2	M	1	876	-7	M	2	997	-7	M	1	984
14	2	M	1	884	-6	M	2	1003	-6	M	1	862
15	2	M	1	872	-7	M	1	888	-6	M	C	799
16	4	M	1	736	-8	M	1	867	-6	M	C	769
17	4	M	1	856	-9	M	C	826	-5	M	C	742
18	3	M	1	771	-11	M	C	762	-4	M	1	791
19	2	M	1	829	-13	M	C	786	-3	M	1	791
20	1	M	1	746	-11	M	1	926	-2	M	1	879
21	-1	M	1	812	-15	M	1	1011	-1	M	1	841
22	-2	M	C	658	-15	M	1	928	-1	M	C	742
23	-4	M	C	552	-13	M	1	871	0	M	1	864
24	-6	M	C	641	-12	M	C	716	1	M	1	844
TOT			22				21				19	
AVE	-4		1	865	-9		1	879	-9		1	863
MAX	4		2	1058	-3		2	1011	1		3	1153
MIN	-15		0	552	-15		0	716	-19		0	675

ARCTIC METEOROLOGICAL RECORD JANUARY DECEMBER 1970

16

17

18

16	17	18
TEMP	TEMP	TEMP
WIND- DIRECT	WIND- DIRECT	WIND- DIRECT
WIND- SPEED	WIND- SPEED	WIND- SPEED
CHILL	CHILL	CHILL
WIND- SPEED	WIND- SPEED	WIND- SPEED
CHILL	CHILL	CHILL
1	1	1
2	-1	17
3	1	17
4	2	17
5	2	1A
6	2	1A
7	2	1A
8	2	1A
9	2	1A
10	3	1A
11	2	1A
12	3	1A
13	2	1A
14	2	1A
15	2	1A
16	2	1A
17	2	1A
18	2	1A
19	2	1A
20	2	1A
21	2	1A
22	2	1A
23	2	1A
24	4	1A
TOT	32	29
AVE	1	1
MAX	4	4
MIN	-1	0

ARCTIC MEDICAL NSCH LAR DECEMBER 1970

19

20

21

HOURLY	TEMP	- WIND DIRECT	WIND SPEED	WIND CHILL	TEMP	- WIND DIRECT	WIND SPEED	WIND CHILL	TEMP	- WIND DIRECT	WIND SPEED	WIND CHILL
1	1	C	573	573	15	M	2	772	25	M	1	591
2	2	C	718	718	16	M	2	809	27	M	1	598
3	1	C	696	696	17	M	4	902	28	M	2	665
4	-2	C	580	580	18	M	4	919	29	M	2	630
5	-6	C	564	564	18	M	5	945	29	M	2	635
6	-10	C	584	584	18	M	5	929	29	M	3	709
7	-13	C	608	608	19	M	4	806	31	M	5	789
8	-13	C	608	608	21	M	5	898	31	M	6	806
9	-12	C	600	600	21	M	5	891	30	M	7	847
10	-12	C	603	603	22	M	3	786	31	M	8	870
11	-15	C	616	616	22	M	4	849	30	M	8	870
12	-14	C	611	611	23	M	3	811	29	M	8	881
13	-14	M	643	643	22	M	2	760	28	M	7	871
14	-10	C	643	643	20	M	4	875	27	M	4	799
15	-7	C	642	642	17	M	3	831	25	M	1	665
16	-3	C	702	702	16	M	1	677	21	M	1	653
17	2	C	717	717	18	M	C	597	15	M	1	702
18	3	M	779	779	20	M	1	717	12	M	1	692
19	5	M	815	815	20	M	1	606	9	M	1	728
20	7	M	831	831	21	M	1	599	8	M	1	825
21	9	M	879	879	21	M	1	640	13	M	2	857
22	11	M	852	852	21	M	1	620	14	M	1	725
23	13	M	712	712	22	M	1	644	16	M	1	690
24	14	M	654	654	23	M	1	597	18	M	2	793
TOT		R					63				76	
AVE	-3	0	644	644	20		3	774	23		3	745
MAX	14	1	843	843	23		5	945	31		8	881
MTN	-	0	564	564	15		0	547	8		1	591

ARCTIC MEDICAL WSCN LAB DECEMBER 1970

24

23

22

HOUR	TEMP	- WIND- DIRECT SPEED	WIND- CHILL	TEMP	- WIND- DIRECT SPEED	WIND- CHILL	TEMP	- WIND- DIRECT SPEED	WIND- CHILL
1	18	0	735	13		641	35	M	677
2	17	3	854	14	M	653	34	M	807
3	18	6	886	20	M	789	30	M	981
4	18	4	883	21	M	928	26	M	1176
5	21	3	791	22	M	934	23	M	1206
6	23	1	867	23	M	934	21	M	1209
7	24	2	725	23	M	967	18	M	1295
8	24	3	784	24	M	1011	15	M	1313
9	24	4	818	24	M	1028	12	M	1386
10	24	4	809	25	M	984	12	M	1144
11	25	4	835	26	M	979	12	M	1032
12	25	M		27	M	960	12	M	1098
13	25	M		28	M	924	12	M	1335
14	23	M		29	M	916	11	M	1216
15	22	M		29	M	901	11	M	1071
16	17	1	624	30	M	900	10	M	951
17	11	C	605	30	M	884	11	M	763
18	13	1	691	31	M	771	11	M	719
19	13	1	590	31	M	780	11	M	707
20	14	1	770	32	M	823	10	M	738
21	15	3	868	33	M	787	5	M	797
22	16	4	916	33	M	813	1	M	761
23	17	3	840	34	M	782	0	M	858
24	16	1	658	34	M	670	1	C	522
TOT					160		209		
AVE	19	2	772	26	7	865	14	9	1010
MAX	25	4	916	34	11	1028	35	23	1386
MIN	11	0	605	13	0	641	0	0	522

NOT REPRODUCIBLE

ARCTIC MEDICAL HSCH LAH DECEMBER 1970

25

26

27

MOHR	TEMP	- WIND DIRECT	WIND SPEED	WIND CHILL	TEMP	- WIND DIRECT	WIND SPEED	WIND CHILL	TEMP	- WIND DIRECT	WIND SPEED	WIND CHILL
1	0	C	742	742	2	M	4	1110	-29	C	C	698
2	1	C	719	719	1	M	4	1117	-28	C	C	690
3	2	M	744	744	0	M	4	1093	-28	C	C	694
4	5	C	692	692	-1	M	4	1121	-30	C	C	703
5	6	M	759	759	-2	M	6	1245	-31	C	C	710
6	6	M	715	715	-4	M	8	1355	-33	C	C	721
7	4	C	486	486	-5	M	6	1289	-34	C	C	729
8	8	C	590	590	-6	M	4	1178	-32	C	C	716
9	0	C	636	636	-7	M	6	1319	-30	C	C	703
10	11	C	614	614	-8	M	6	1351	-28	C	C	694
11	12	M	748	748	-10	M	5	1319	-28	M	1	1141
12	11	M	695	695	-11	M	8	1461	-28	M	3	1366
13	12	C	511	511	-13	M	7	1467	-28	M	1	1090
14	12	M	693	693	-13	M	7	1468	-29	M	1	1188
15	12	M	425	425	-14	M	7	1459	-29	M	1	1033
16	12	M	861	861	-14	M	6	1440	-30	M	1	1092
17	10	M	874	874	-14	M	4	1259	-29	M	1	1194
18	9	M	932	932	-14	M	3	1176	-30	M	1	1128
19	8	M	1042	1042	-15	M	4	1263	-30	M	1	1162
20	7	M	1011	1011	-15	M	4	1293	-29	M	1	1148
21	6	M	1001	1001	-17	M	2	1168	-29	M	1	1079
22	4	M	493	493	-20	M	1	960	-31	M	1	1027
23	2	M	1229	1229	-25	M	C	971	-32	C	C	943
24	2	M	1168	1168	-29	M	C	890	-30	C	C	893
TOT		41				110				14		
AVE	4	2	693	693	-11	5	1242	1242	-30	1	1	949
MAX	13	7	1229	1229	2	8	1468	1468	-28	3	3	1366
MTN	0	0	446	446	-29	0	890	890	-34	0	0	690

NOT REPRODUCIBLE

ARCTIC METEOROLOGICAL RECORD JANUARY DECEMBER 1970

24

29

30

24	29	30
TEMP	TEMP	TEMP
WIND DIRECT	WIND DIRECT	WIND DIRECT
WIND SPEED	WIND SPEED	WIND SPEED
WIND CHILL	WIND CHILL	WIND CHILL
1	-32	-41
2	-33	-42
3	-32	-40
4	-30	-37
5	-20	-36
6	-20	-36
7	-26	-36
8	-29	-34
9	-31	-32
10	-32	-32
11	-34	-31
12	-32	-30
13	-29	-29
14	-20	-29
15	-26	-30
16	-27	-31
17	-26	-35
18	-27	-37
19	-26	-39
20	-25	-42
21	-25	-42
22	-25	-42
23	-24	-43
24	-24	-43
TOT	16	4
AVE	491	943
MAX	1081	1099
MIN	570	763

NOT REPRODUCIBLE

ARCTIC MEDICAL RSCH LAB DECEMBER 1970

21

HOURLY	TEMP	WIND DIRECTION	WIND SPEED	WIND CHILL
1	-43	C	1044	
2	-42	C	909	
3	-41	C	790	
4	-43	M	1161	
5	-45	C	830	
6	-47	C	857	
7	-47	C	834	
8	-46	C	1030	
9	M	C	M	
10	M	C	M	
11	M	C	M	
12	M	C	M	
13	M	C	M	
14	M	C	M	
15	M	C	M	
16	M	C	M	
17	M	C	M	
18	M	C	M	
19	M	M	M	
20	M	C	M	
21	M	C	M	
22	M	C	M	
23	M	M	M	
24	M	M	M	
TOT				
AVE				
MAX	-41	1	1161	
MIN	-47	0	790	

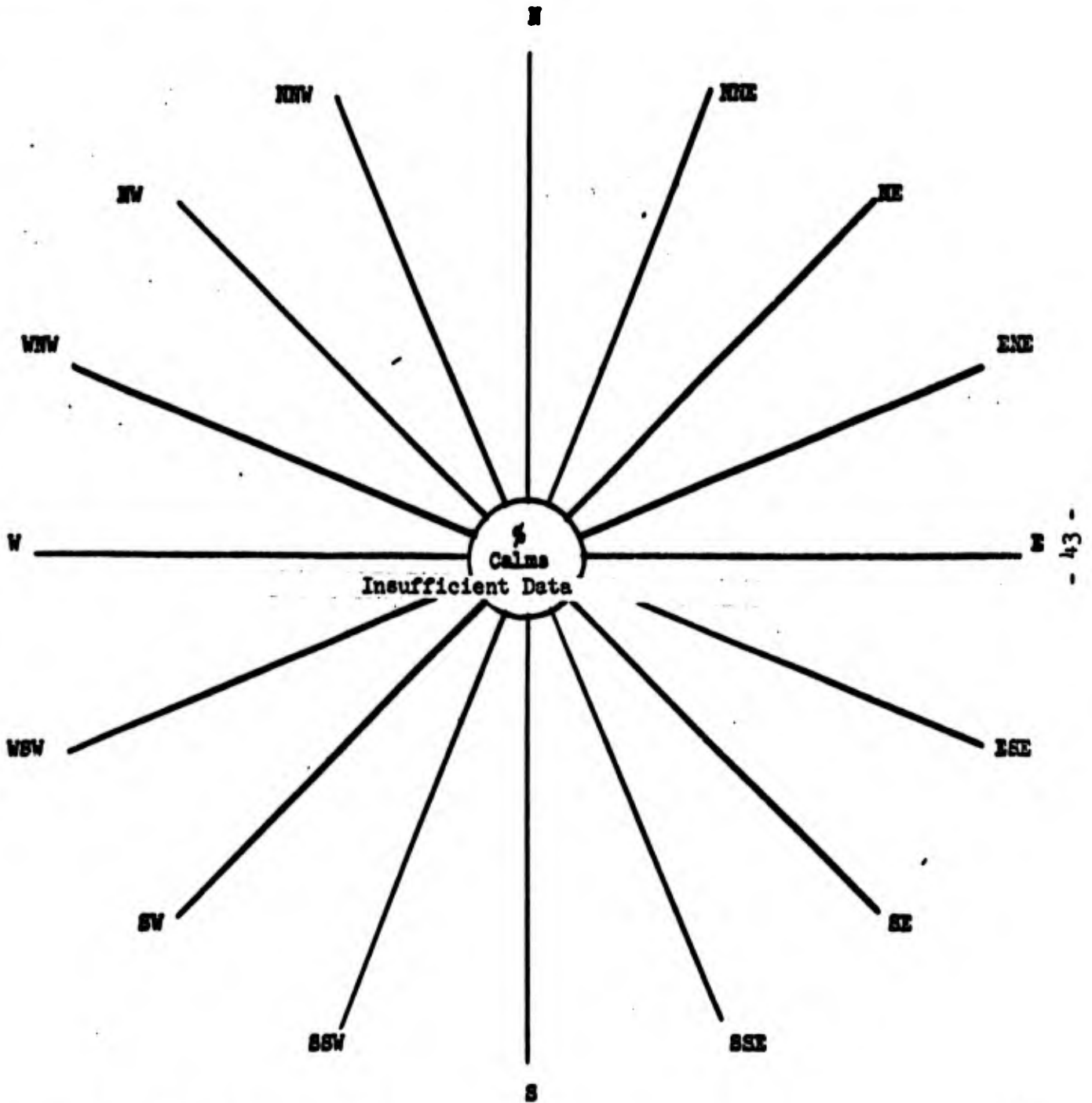
NOT REPRODUCIBLE

ARCTIC MEDICAL HSCM LAB DECEMBER 1970
 W T N U H O S E

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	0	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	0.00	0.00
NNE	FREQ	0	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	0.00	0.00
NNE	FREQ	0	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	0.00	0.00
NNE	FREQ	0	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	0.00	0.00
E	FREQ	0	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	0.00	0.00
ESE	FREQ	0	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	0.00	0.00
SE	FREQ	0	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	0.00	0.00
SSE	FREQ	0	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	0.00	0.00
S	FREQ	0	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	0.00	0.00
SSW	FREQ	0	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	0.00	0.00
SW	FREQ	0	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	0.00	0.00
WSW	FREQ	0	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	0.00	0.00
W	FREQ	0	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	0.00	0.00
WNW	FREQ	0	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	0.00	0.00
WNW	FREQ	0	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	0.00	0.00
W	FREQ	0	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	0.00	0.00
WNW	FREQ	0	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	0.00	0.00
TOT	FREQ	0	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	0.00	0.00
CALC	FREQ	230	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	PCT	30.91	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	0.00
	MISSING FREQ	514	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	PCT	69.09	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	0.00

Insufficient Data

NOT REPRODUCIBLE



69.1 % 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 DECEMBER 1970
HOURLY AVERAGES FOR THE MONTH

HOOR	TEMP	WIND DIRECT	WIND- SPEED	WIND CHILL
1	-11	1	899	
2	-11	1	915	
3	-11	2	928	
4	-12	2	921	
5	-12	2	917	
6	-12	2	923	
7	-12	2	943	
8	-12	2	961	
9	-11	2	948	
10	-11	2	938	
11	-11	2	933	
12	-11	2	950	
13	-10	2	946	
14	-10	2	967	
15	-10	2	937	
16	-11	1	927	
17	-11	1	915	
18	-12	1	927	
19	-12	1	912	
20	-11	1	925	
21	-11	1	922	
22	-12	1	891	
23	-11	1	911	
24	-11	1	869	

NOT REPRODUCIBLE

ARCTIC MEDICAL RSCM 148 DECEMBER 1970
MONTHLY CLIMATOLOGICAL SUMMARY

	TEMP	WIND- DIRECT	WIND- SPEED	CHILL
AVE	-11	#	2	924
AVE MAX	-3	"	23	1125
AVE MIN	-19			695

* Insufficient Data for summarization

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

NOT REPRODUCIBLE