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REPORT OF WINDS FROM THE DELTA II EAST WIND STATION---1983

By

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Alaska Division of  
Geological and Geophysical Surveys

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## Introduction

In 1982 the Alaska Agricultural Action Council and the Division of Agriculture requested that DNR-DGGS conduct a wind monitoring project in developing agricultural areas of Alaska. While other climatic and environmental data were available from various sources, neither wind data nor wind monitoring systems were available.

Wind direction, wind velocity, and the timing of wind events through the year are necessary for good farm planning and operation. Peak velocities data are important in erosion protection, timing and velocity of the wind is important for crop scheduling and harvesting.

### The Alaska Agricultural Wind Monitoring Network

Wind monitoring stations have been established at three agricultural areas:

Pt. MacKenzie - 1 station established in 1982

Soil Conservation Service collects snowfall data

Nenana - 1 station established in 1981

Soil Conservation Service operates one station beyond the northern border of the agricultural area

Delta - 4 stations established in 1982 and 1983

1 Wyoming precipitation gage established in 1983

### Site Description

Wind stations are located to provide representative data for the study area in fairly flat agricultural terrain. The sites should have reasonable access and security and be located in relatively clear areas. Within a radius of 300 ft from the tower, the forest height should not exceed 30 ft.

### Site Location

#### Delta II East Wind Station

Site: Near the old sawmill on the banks of the Gerstle River - within 1/2 mi of the new access road

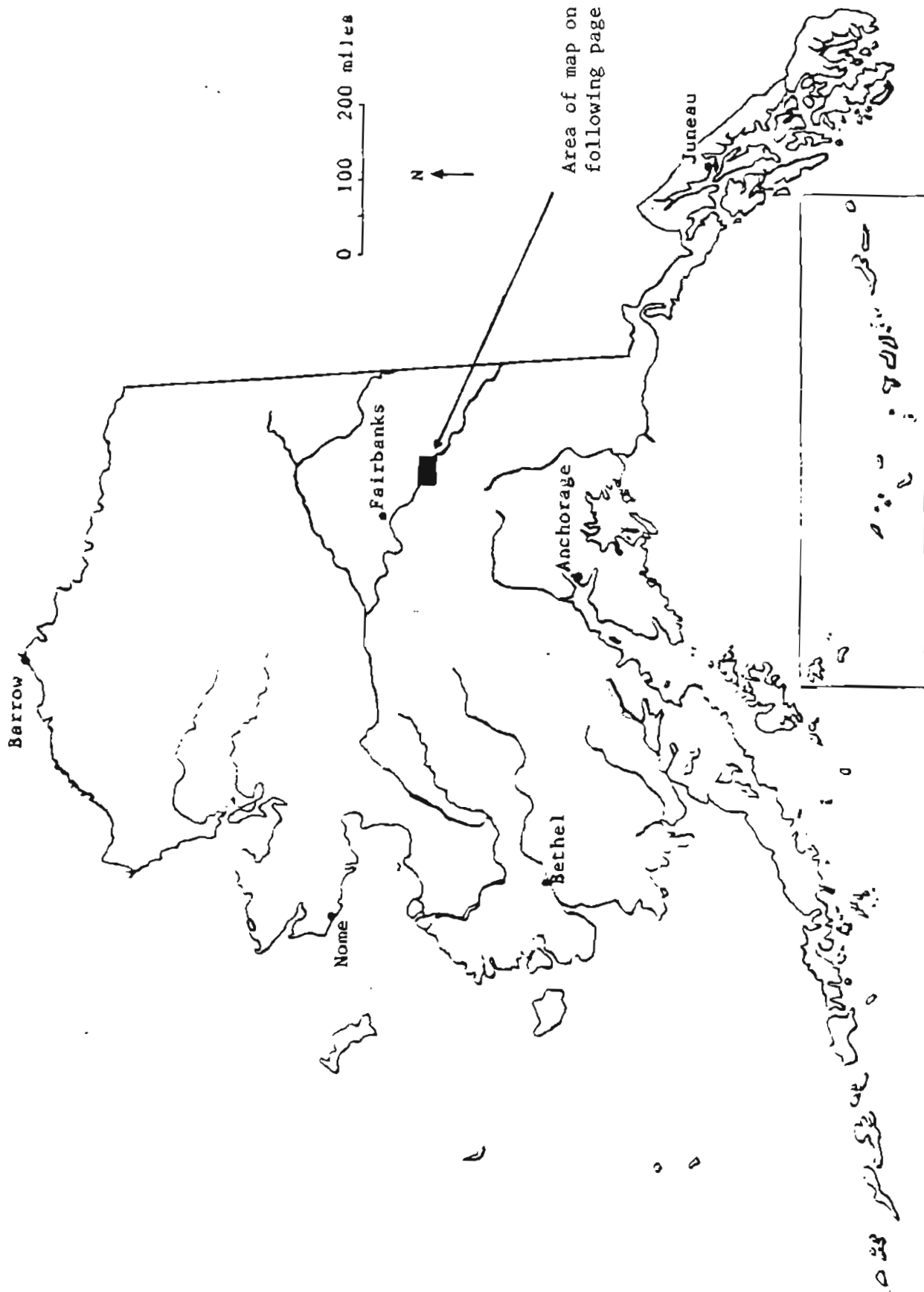
Elevation: 1225 ft

Terrain: Flat land, with distant hills - possibly an old flood plain

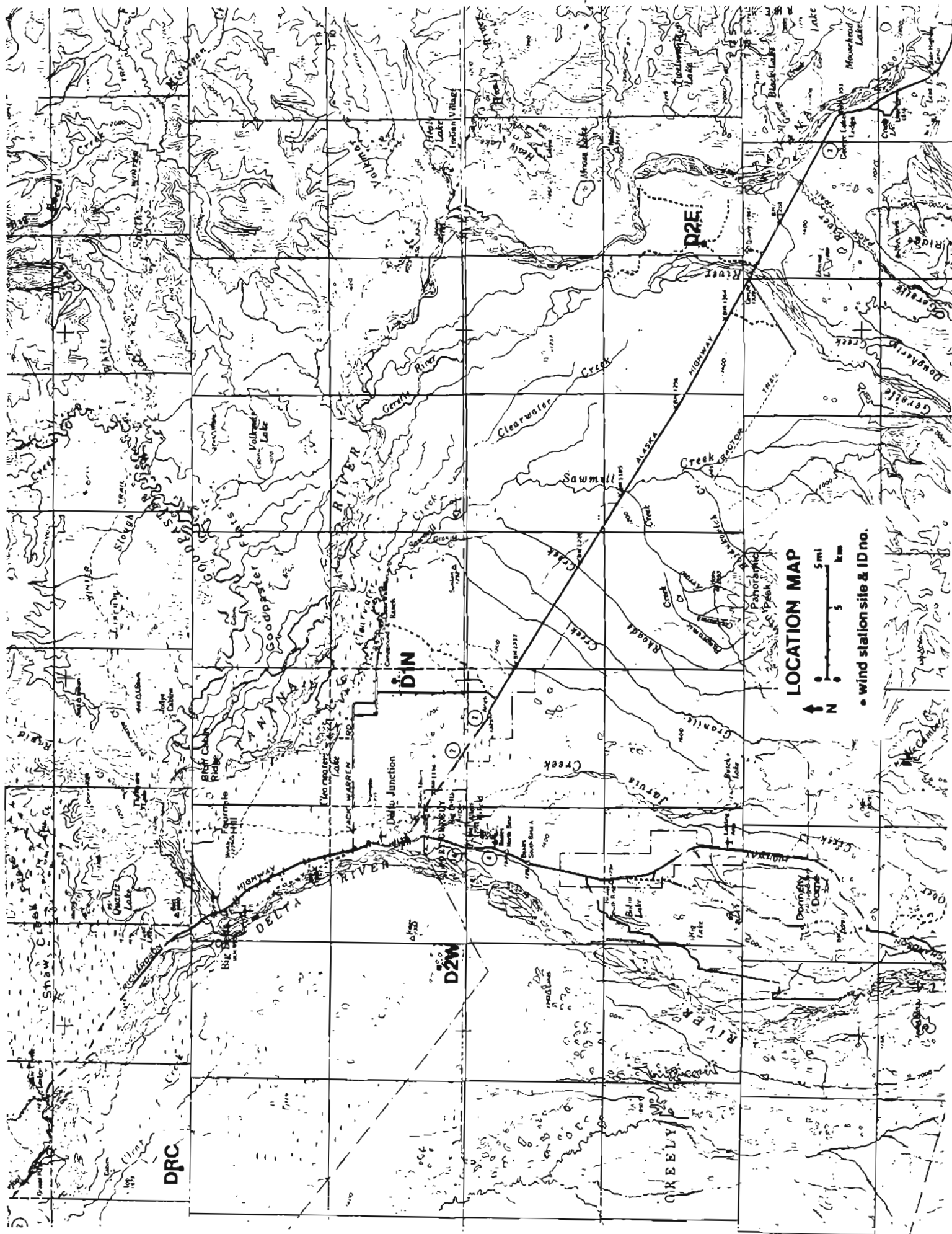
Vegetation: Undergrowth and small trees to 20 ft within a radius of 200 ft - tall spruce forest beyond

Map location: Mt. Hayes D-2 Quadrangle, Alaska

LAT 63.8519°N LONG 144.9506°W



Location of Delta Agricultural Area wind monitoring program, Alaska.



### Wind Data Summary

A noticeable change between summer winds and winter winds was observed. In the period from January through April, the wind had a dominant direction of 135°. Within this period the mean speed was 3 miles per hour (mph), with gusts reaching to 27 mph. From May through August, the wind had a dominant direction of 315° with a mean speed of 2.7 mph and gusts reaching to 24 mph. In the final portion of the year, from September through December, the winds returned to the winter conditions with a dominant direction of 135°, a mean speed of 4.1 mph and gusts reaching 32 mph.

The mean wind speed for the year was 3.3 mph. The maximum gust speed recorded was 32 mph. The modal wind direction was 123°, while the vectorial mean direction was 304°.

See Appendix A.



### Instrumentation

Each installation consists of a tower, sensor, and recorder.

- a. Tower. A 33 ft (10 m) galvanized steel, grounded, crank-up tower on a concrete platform and guyed from one level in three directions. A 5 ft mast extends instrument height to 36 ft (11 m).
- b. Sensor. A Weathertronics Stratovane #2112 (or 2111 with a signal conditioner). This device has proven to be very durable and can withstand the most severe climatic conditions. The sensor detects both direction and velocity of wind. Direction is read as an azimuth from the true north. Velocity is recorded as miles per hour over a range of 1 mph to 200 mph.
- c. Recorder. An Omnidata Datapod DP214 samples the wind velocity and direction every five minutes and takes a vectorial average of the velocity and direction every four hours. It also records the velocity and direction of the fastest wind observed during the four hour period. The data is recorded digitally on a non-volatile EPROM module.

The station is visited at two month intervals. During the visit, the physical equipment is inspected for structural integrity. The electronic equipment is also inspected and any malfunction is noted and corrected. The state of the power supply is investigated and the batteries are replaced if necessary. The EPROM module is removed and a fresh module is inserted. If necessary, the datapod is reinitialized.

The EPROM is returned to the office where specialized computer equipment reads the data. After a series of computer operations, the data is assimilated into an annual report, such as this. The EPROM is purged of data and is returned to the pool for future re-use.

### Key to Report

1. Table of 4-hour observations. Once every 4 hours the datapod takes a recording of the vectorial average of the velocities and directions sampled at five minute intervals throughout the 4 hour period. It also records the velocity and direction of the strongest wind observed within the 4 hour period. This table is a reproduction of the four hourly recordings. The recordings are labeled as "OBS" (observations) and are numbered sequentially from the first reading on the EPROM to the last. The date and time are those appropriate to each observation. "Average Azimuth" and "Average Speed" refer to the azimuth and velocity of the four hour observation. "Gust Azimuth" and "Gust Speed" refer to the maximum wind velocity observed with the four hour period and its associated azimuth. This table is split into monthly sections for each year. Missing data is represented by a period, ".".
2. Table of Monthly Average Wind Speeds. This table summarizes the four hourly velocity data on a monthly basis. The mean of the four hour average is given; as is the mean of the gust speeds. "N" is the number of observations per month while "N MISSING" represents the amount of data lost. Further statistical observations regarding the spread of the mean are also given. An explanation of their meanings is beyond the scope of this report; however, any text on statistics should satisfy any questions. Note "AVSP" and "SUSP" are computer names for the variables.
3. Table of Daily Average Wind Speeds. This table has a format identical to that used in the table of monthly average wind speeds; however, it is further broken down into daily summaries.

4. Chart of Monthly Frequency of Average Wind Azimuths. This horizontal axis represents the range of possible azimuth from 0 to 359°. Note 360° is the same as 0° and is included only to show the cyclic nature of the chart. The vertical axis is scaled to represent the actual number of occurrences of wind from each direction shown on the horizontal axis.  
Note 1: Due to computer limitations the horizontal axis is broken down to 15° increments. The label "AUDR MIDPOINT" indicates that the observations occurring within each 15° interval are shown as if they occurred at the midpoint of that interval. Note 2: A chart is produced for each month.
5. Star chart Showing Monthly Frequency of Average Wind Azimuths. This chart uses the same data as in 4 (above) but shows it on a circular plot with the central point representing a frequency of zero and the perimeter representing the greatest frequency trend during the month. The pair of numbers on the perimeter of the chart are interpreted as follows: the upper number is the actual azimuth of the wind for each observation, the lower number is the number of observations falling within 7.5° on either side of the upper number (that is, it is the frequency of observations within each 15° interval). Within the circle, each star (\*) represents the number of observations with a given azimuth. Its distance from the center of the circle is directly proportional to the magnitude of the lower number in each pair. The dots (.) serve merely to outline the shape of the trapezoid formed by connecting the stars. This makes the prevalence of wind from preferential directions more graphic. It allows trends from month to month to be more clearly visible. Note: Absolutely no reference to the

magnitude of the wind velocity is made. This chart is purely and solely a representation of azimuth and frequency of occurrence.

6. Star chart Showing Monthly Frequency of Gust Azimuths. The format for this chart is identical to 5 (above); however, it uses the azimuth of the wind gusts, that is, the strongest measured four hourly winds instead of the wind average azimuths. Symbols and descriptions are the same as above. This chart is included to show the sometimes startling differences between the azimuths of the average winds and those of the gusts. Once again no reference to wind magnitude is made.
7. The plot of "Average Azimuth versus Gust Azimuth, by month" is given to emphasize the difference between the azimuth of the average wind and the azimuth of the wind gusts. The clustering of azimuths around preferred directions is graphically illustrated.
8. Chart of Monthly Average Wind Speeds. This chart shows the frequency of occurrence of average wind velocities. The vertical axis represents the midpoints of appropriate intervals of wind velocity. The frequency of wind velocities occurring within each interval is shown on the horizontal axis. A table showing the actual frequencies and associated statistics is also given.
9. Chart of Monthly Gust Speeds. This chart uses the same format as 8 (above) but uses gust velocity instead of average velocity. This chart is included to illustrate the differences between average and gust velocities.

10. Chart of Daily Average Wind Speeds (mph). This chart plots the daily average wind speeds sequentially, in such a way as to allow a visual interpretation of long-term wind activities. The left of the chart represents the lowest velocity observed during the period, while the right side represents the highest velocity observed during the same period. Trends are easily discernible.
11. Chart of Daily Gust Speeds (mph). This chart is similar to 10 (above) but differs in using gust velocity instead of average wind velocity. This is merely to show trends within the high velocity portion of the data. Though this chart often parallels the chart in 10 (above), it does show subtle differences.
12. Plot of Average Speed versus Gust Speed, by month. This graph is included to illustrate the relationship between the average wind velocity and the gust velocity.

### Conversion Table

1 mph = 0.86839 knot  
 = 1.46667 ft/sec  
 = 88.0000 ft/min  
 = 1.60934 km/hr  
 = 0.34754 °Lat/Day

0° = North = 360°  
 90° = East  
 180° = South  
 270° = West

### Beaufort Scale

Beaufort Number	MPH	Description
0	up to 1	Calm
1	1 - 3	Light air
2	4 - 7	Light breeze
3	8 - 12	Gentle breeze
4	13 - 18	Moderate breeze
5	19 - 24	Fresh breeze
6	25 - 31	Strong breeze
7	32 - 38	Moderate gale
8	39 - 46	Fresh gale
9	47 - 54	Strong gale
10	55 - 63	Whole gale
11	64 - 72	Storm
12 - 17	73 - 136	Hurricane

## Glossary

Average - an arithmetic mean

Azimuth - distance in angular degrees in a clockwise direction from true north, with reference to the source of the wind

Direction - a reference to the source of the wind measured in points of the compass

Frequency - the number of times an event occurs within a given interval

Gust - a transitory departure, lasting for a relatively short time, of the wind speed from its mean value; here, the greatest wind speed observed within each four-four period

Mean - an arithmetic mean - a number obtained by summing all observed values and dividing by the number of observations

Mean Speed - the above operation performed upon wind speed values over a period of time - this is equivalent to the distance covered by the air within a unit of time

Observation - the art of noting and recording events or facts; here, the recording every four hours of the vectorial mean speed and direction for the period, having sampled for speed and direction every five minutes, and also the gust speed and direction for the period



Range - the difference between the largest and smallest values for an observed variable

Speed - rate of change of position; here, the ratio of the distance covered by the air to the time take to cover it

Standard Deviation - a measure of the spread of the data about the mean

Star chart - a form of rose diagram generated by a computer to illustrate the relative frequencies of different wind directions

Variance - square of the standard deviation - a measure of spread

Velocity - speed; rate of motion in a particular direction

Vectorial Average - Trigonometrical method for calculating the mean of a radial vector, the vector being the five minute speed and its direction

SAS  
4-HOUR OBSERVATIONS

1

-----YR=83 MO=1-----						
OBS	DATE	TIME	AVERAGE AZIMUTH (DEG.)	AVERAGE SPEED (M.P.H.)	GUST AZIMUTH (DEG.)	GUST SPEED (M.P.H.)
1	1JAN83	4:00	129	5	123	14
2	1JAN83	8:00	129	5	140	12
3	1JAN83	12:00	123	5	118	13
4	1JAN83	16:00	106	3	129	10
5	1JAN83	20:00	106	1	123	8
6	1JAN83	24:00	281	0	275	5
7	2JAN83	4:00	95	0	0	0
8	2JAN83	8:00	309	0	303	6
9	2JAN83	12:00	331	2	331	6
10	2JAN83	16:00	337	4	281	12
11	2JAN83	20:00	343	4	331	8
12	2JAN83	24:00	348	3	331	8
13	3JAN83	4:00	343	2	331	4
14	3JAN83	8:00	348	1	5	4
15	3JAN83	12:00	331	1	0	4
16	3JAN83	16:00	343	2	343	5
17	3JAN83	20:00	0	0	315	2
18	3JAN83	24:00	253	0	292	2
19	4JAN83	4:00	208	0	202	3
20	4JAN83	8:00	202	0	208	2
21	4JAN83	12:00	208	0	213	2
22	4JAN83	16:00	213	0	208	2
23	4JAN83	20:00	213	0	213	1
24	4JAN83	24:00	202	0	202	1
25	5JAN83	4:00	174	0	168	2
26	5JAN83	8:00	168	0	196	1
27	5JAN83	12:00	168	0	168	2
28	5JAN83	16:00	180	0	185	2
29	5JAN83	20:00	180	0	180	2
30	5JAN83	24:00	174	0	180	0
31	6JAN83	4:00	180	0	196	3
32	6JAN83	8:00	95	0	0	0
33	6JAN83	12:00	45	0	0	0
34	6JAN83	16:00	112	0	0	0
35	6JAN83	20:00	16	0	0	0
36	6JAN83	24:00	0	0	0	0
37	7JAN83	4:00	112	0	0	0
38	7JAN83	8:00	180	0	0	0
39	7JAN83	12:00	196	0	0	0
40	7JAN83	16:00	196	0	0	0
41	7JAN83	20:00	202	0	0	0
42	7JAN83	24:00	348	0	0	0
43	8JAN83	4:00	11	0	0	0
44	8JAN83	8:00	225	0	0	0
45	8JAN83	12:00	225	0	0	0
46	8JAN83	16:00	202	0	0	0
47	8JAN83	20:00	208	0	0	0
48	8JAN83	24:00	208	0	0	0
49	9JAN83	4:00	.	.	.	.

SAS  
4-HOUR OBSERVATIONS

2

-----YR=83 MO=1-----

OBS	DATE	TIME	AVERAGE AZIMUTH (DEG.)	AVERAGE SPEED (M. P. H.)	GUST AZIMUTH (DEG.)	GUST SPEED (M. P. H.)
50	9JAN83	8:00	.	.	.	.
51	9JAN83	12:00	.	.	.	.
52	9JAN83	16:00	.	.	.	.
53	9JAN83	20:00	.	.	.	.
54	9JAN83	24:00	.	.	.	.
55	10JAN83	4:00	.	.	.	.
56	10JAN83	8:00	.	.	.	.
57	10JAN83	12:00	.	.	.	.
58	10JAN83	16:00	.	.	.	.
59	10JAN83	20:00	.	.	.	.
60	10JAN83	24:00	.	.	.	.
61	11JAN83	4:00	.	.	.	.
62	11JAN83	8:00	.	.	.	.
63	11JAN83	12:00	.	.	.	.
64	11JAN83	16:00	.	.	.	.
65	11JAN83	20:00	.	.	.	.
66	11JAN83	24:00	.	.	.	.
67	12JAN83	4:00	.	.	.	.
68	12JAN83	8:00	.	.	.	.
69	12JAN83	12:00	.	.	.	.
70	12JAN83	16:00	.	.	.	.
71	12JAN83	20:00	.	.	.	.
72	12JAN83	24:00	.	.	.	.
73	13JAN83	4:00	.	.	.	.
74	13JAN83	8:00	.	.	.	.
75	13JAN83	12:00	.	.	.	.
76	13JAN83	16:00	.	.	.	.
77	13JAN83	20:00	.	.	.	.
78	13JAN83	24:00	.	.	.	.
79	14JAN83	4:00	.	.	.	.
80	14JAN83	8:00	.	.	.	.
81	14JAN83	12:00	.	.	.	.
82	14JAN83	16:00	.	.	.	.
83	14JAN83	20:00	.	.	.	.
84	14JAN83	24:00	.	.	.	.
85	15JAN83	4:00	.	.	.	.
86	15JAN83	8:00	.	.	.	.
87	15JAN83	12:00	.	.	.	.
88	15JAN83	16:00	.	.	.	.
89	15JAN83	20:00	.	.	.	.
90	15JAN83	24:00	.	.	.	.
91	16JAN83	4:00	.	.	.	.
92	16JAN83	8:00	.	.	.	.
93	16JAN83	12:00	.	.	.	.
94	16JAN83	16:00	.	.	.	.
95	16JAN83	20:00	.	.	.	.
96	16JAN83	24:00	.	.	.	.
97	17JAN83	4:00	.	.	.	.
98	17JAN83	8:00	.	.	.	.

SAS  
4-HOUR OBSERVATIONS

-----YR=83 MO=1-----						
OBS	DATE	TIME	AVERAGE AZIMUTH (DEG.)	AVERAGE SPEED (M.P.H.)	GUST AZIMUTH (DEG.)	GUST SPEED (M.P.H.)
99	17JAN83	12:00	.	.	.	.
100	17JAN83	16:00	.	.	.	.
101	17JAN83	20:00	.	.	.	.
102	17JAN83	24:00	.	.	.	.
103	18JAN83	4:00	.	.	.	.
104	18JAN83	8:00	.	.	.	.
105	18JAN83	12:00	.	.	.	.
106	18JAN83	16:00	.	.	.	.
107	18JAN83	20:00	.	.	.	.
108	18JAN83	24:00	.	.	.	.
109	19JAN83	4:00	.	.	.	.
110	19JAN83	8:00	.	.	.	.
111	19JAN83	12:00	.	.	.	.
112	19JAN83	16:00	.	.	.	.
113	19JAN83	20:00	.	.	.	.
114	19JAN83	24:00	.	.	.	.
115	20JAN83	4:00	.	.	.	.
116	20JAN83	8:00	.	.	.	.
117	20JAN83	12:00	.	.	.	.
118	20JAN83	16:00	.	.	.	.
119	20JAN83	20:00	.	.	.	.
120	20JAN83	24:00	.	.	.	.
121	21JAN83	4:00	.	.	.	.
122	21JAN83	8:00	.	.	.	.
123	21JAN83	12:00	.	.	.	.
124	21JAN83	16:00	.	.	.	.
125	21JAN83	20:00	.	.	.	.
126	21JAN83	24:00	.	.	.	.
127	22JAN83	4:00	.	.	.	.
128	22JAN83	8:00	.	.	.	.
129	22JAN83	12:00	.	.	.	.
130	22JAN83	16:00	.	.	.	.
131	22JAN83	20:00	.	.	.	.
132	22JAN83	24:00	.	.	.	.
133	23JAN83	4:00	.	.	.	.
134	23JAN83	8:00	.	.	.	.
135	23JAN83	12:00	.	.	.	.
136	23JAN83	16:00	.	.	.	.
137	23JAN83	20:00	.	.	.	.
138	23JAN83	24:00	.	.	.	.
139	24JAN83	4:00	.	.	.	.
140	24JAN83	8:00	.	.	.	.
141	24JAN83	12:00	.	.	.	.
142	24JAN83	16:00	.	.	.	.
143	24JAN83	20:00	.	.	.	.
144	24JAN83	24:00	.	.	.	.
145	25JAN83	4:00	.	.	.	.
146	25JAN83	8:00	.	.	.	.
147	25JAN83	12:00	.	.	.	.

SAS  
4-HOUR OBSERVATIONS

4

YR=83 MO=1						
OBS	DATE	TIME	AVERAGE AZIMUTH (DEG.)	AVERAGE SPEED (M.P.H.)	GUST AZIMUTH (DEG.)	GUST SPEED (M.P.H.)
148	25JAN83	16:00	.	.	.	.
149	25JAN83	20:00	.	.	.	.
150	25JAN83	24:00	.	.	.	.
151	26JAN83	4:00	.	.	.	.
152	26JAN83	8:00	.	.	.	.
153	26JAN83	12:00	.	.	.	.
154	26JAN83	16:00	.	.	.	.
155	26JAN83	20:00	.	.	.	.
156	26JAN83	24:00	.	.	.	.
157	27JAN83	4:00	.	.	.	.
158	27JAN83	8:00	.	.	.	.
159	27JAN83	12:00	.	.	.	.
160	27JAN83	16:00	.	.	.	.
161	27JAN83	20:00	.	.	.	.
162	27JAN83	24:00	.	.	.	.
163	27JAN83	4:00	.	.	.	.
164	27JAN83	8:00	.	.	.	.
165	27JAN83	12:00	.	.	.	.
166	27JAN83	16:00	.	.	.	.
167	27JAN83	20:00	.	.	.	.
168	27JAN83	24:00	.	.	.	.
169	28JAN83	4:00	.	.	.	.
170	28JAN83	8:00	.	.	.	.
171	28JAN83	12:00	.	.	.	.
172	28JAN83	16:00	.	.	.	.
173	28JAN83	20:00	.	.	.	.
174	28JAN83	24:00	.	.	.	.
175	29JAN83	4:00	.	.	.	.
176	29JAN83	8:00	.	.	.	.
177	29JAN83	12:00	.	.	.	.
178	29JAN83	16:00	.	.	.	.
179	29JAN83	20:00	.	.	.	.
180	29JAN83	24:00	.	.	.	.
181	30JAN83	4:00	.	.	.	.
182	30JAN83	8:00	.	.	.	.
183	30JAN83	12:00	.	.	.	.
184	30JAN83	16:00	.	.	.	.
185	30JAN83	20:00	.	.	.	.
186	30JAN83	24:00	.	.	.	.
187	31JAN83	4:00	.	.	.	.
188	31JAN83	8:00	.	.	.	.
189	31JAN83	12:00	.	.	.	.
190	31JAN83	16:00	.	.	.	.
191	31JAN83	20:00	.	.	.	.
192	31JAN83	24:00	.	.	.	.

SAS  
4-HOUR OBSERVATIONS

5

-----YR=83 MO=2-----

OBS	DATE	TIME	AVERAGE AZIMUTH (DEG.)	AVERAGE SPEED (M. P. H.)	GUST AZIMUTH (DEG.)	GUST SPEED (M. P. H.)
193	1FEB83	4:00	.	.	.	.
194	1FEB83	8:00	.	.	.	.
195	1FEB83	12:00	.	.	.	.
196	1FEB83	16:00	.	.	.	.
197	1FEB83	20:00	.	.	.	.
198	1FEB83	24:00	.	.	.	.
199	2FEB83	4:00	.	.	.	.
200	2FEB83	8:00	.	.	.	.
201	2FEB83	12:00	.	.	.	.
202	2FEB83	16:00	.	.	.	.
203	2FEB83	20:00	.	.	.	.
204	2FEB83	24:00	.	.	.	.
205	3FEB83	4:00	.	.	.	.
206	3FEB83	8:00	.	.	.	.
207	3FEB83	12:00	.	.	.	.
208	3FEB83	16:00	.	.	.	.
209	3FEB83	20:00	.	.	.	.
210	3FEB83	24:00	.	.	.	.
211	4FEB83	4:00	.	.	.	.
212	4FEB83	8:00	.	.	.	.
213	4FEB83	12:00	.	.	.	.
214	4FEB83	16:00	.	.	.	.
215	4FEB83	20:00	.	.	.	.
216	4FEB83	24:00	.	.	.	.
217	5FEB83	4:00	.	.	.	.
218	5FEB83	8:00	.	.	.	.
219	5FEB83	12:00	.	.	.	.
220	5FEB83	16:00	.	.	.	.
221	5FEB83	20:00	.	.	.	.
222	5FEB83	24:00	.	.	.	.
223	6FEB83	4:00	.	.	.	.
224	6FEB83	8:00	.	.	.	.
225	6FEB83	12:00	.	.	.	.
226	6FEB83	16:00	.	.	.	.
227	6FEB83	20:00	.	.	.	.
228	6FEB83	24:00	.	.	.	.
229	7FEB83	4:00	.	.	.	.
230	7FEB83	8:00	.	.	.	.
231	7FEB83	12:00	.	.	.	.
232	7FEB83	16:00	.	.	.	.
233	7FEB83	20:00	.	.	.	.
234	7FEB83	24:00	.	.	.	.
235	8FEB83	4:00	.	.	.	.
236	8FEB83	8:00	.	.	.	.
237	8FEB83	12:00	.	.	.	.
238	8FEB83	16:00	.	.	.	.
239	8FEB83	20:00	.	.	.	.
240	8FEB83	24:00	.	.	.	.
241	9FEB83	4:00	.	.	.	.

SAS  
4-HOUR OBSERVATIONS

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-----YR=83 MO=2-----

OBS	DATE	TIME	AVERAGE AZIMUTH (DEG.)	AVERAGE SPEED (M. P. H.)	GUST AZIMUTH (DEG.)	GUST SPEED (M. P. H.)
242	9FEB83	8:00	.	.	.	.
243	9FEB83	12:00	.	.	.	.
244	9FEB83	16:00	.	.	.	.
245	9FEB83	20:00	.	.	.	.
246	9FEB83	24:00	.	.	.	.
247	10FEB83	4:00	.	.	.	.
248	10FEB83	8:00	.	.	.	.
249	10FEB83	12:00	.	.	.	.
250	10FEB83	16:00	.	.	.	.
251	10FEB83	20:00	.	.	.	.
252	10FEB83	24:00	.	.	.	.
253	11FEB83	4:00	.	.	.	.
254	11FEB83	8:00	.	.	.	.
255	11FEB83	12:00	.	.	.	.
256	11FEB83	16:00	.	.	.	.
257	11FEB83	20:00	.	.	.	.
258	11FEB83	24:00	.	.	.	.
259	12FEB83	4:00	.	.	.	.
260	12FEB83	8:00	.	.	.	.
261	12FEB83	12:00	.	.	.	.
262	12FEB83	16:00	.	.	.	.
263	12FEB83	20:00	.	.	.	.
264	12FEB83	24:00	.	.	.	.
265	13FEB83	4:00	.	.	.	.
266	13FEB83	8:00	.	.	.	.
267	13FEB83	12:00	.	.	.	.
268	13FEB83	16:00	.	.	.	.
269	13FEB83	20:00	.	.	.	.
270	13FEB83	24:00	.	.	.	.
271	14FEB83	4:00	.	.	.	.
272	14FEB83	8:00	.	.	.	.
273	14FEB83	12:00	.	.	.	.
274	14FEB83	16:00	.	.	.	.
275	14FEB83	20:00	.	.	.	.
276	14FEB83	24:00	.	.	.	.
277	15FEB83	4:00	.	.	.	.
278	15FEB83	8:00	.	.	.	.
279	15FEB83	12:00	.	.	.	.
280	15FEB83	16:00	.	.	.	.
281	15FEB83	20:00	.	.	.	.
282	15FEB83	24:00	.	.	.	.
283	16FEB83	4:00	.	.	.	.
284	16FEB83	8:00	.	.	.	.
285	16FEB83	12:00	.	.	.	.
286	16FEB83	16:00	.	.	.	.
287	16FEB83	20:00	.	.	.	.
288	16FEB83	24:00	.	.	.	.
289	17FEB83	4:00	.	.	.	.
290	17FEB83	8:00	.	.	.	.

SAS  
4-HOUR OBSERVATIONS

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-----YR=83 MO=2-----

OBS	DATE	TIME	AVERAGE AZIMUTH (DEG.)	AVERAGE SPEED (M.P.H.)	GUST AZIMUTH (DEG.)	GUST SPEED (M.P.H.)
291	17FEB83	12:00	.	.	.	.
292	17FEB83	16:00	.	.	.	.
293	17FEB83	20:00	.	.	.	.
294	17FEB83	24:00	.	.	.	.
295	18FEB83	4:00	.	.	.	.
296	18FEB83	8:00	.	.	.	.
297	18FEB83	12:00	.	.	.	.
298	18FEB83	16:00	.	.	.	.
299	18FEB83	20:00	.	.	.	.
300	18FEB83	24:00	.	.	.	.
301	19FEB83	4:00	.	.	.	.
302	19FEB83	12:00	.	.	.	.
303	19FEB83	16:00	.	.	.	.
304	19FEB83	20:00	.	.	.	.
305	19FEB83	24:00	.	.	.	.
306	20FEB83	4:00	.	.	.	.
307	20FEB83	8:00	.	.	.	.
308	20FEB83	12:00	.	.	.	.
309	20FEB83	16:00	.	.	.	.
310	20FEB83	20:00	.	.	.	.
311	20FEB83	24:00	.	.	.	.
312	21FEB83	4:00	.	.	.	.
313	21FEB83	8:00	.	.	.	.
314	21FEB83	12:00	.	.	.	.
315	21FEB83	16:00	.	.	.	.
316	21FEB83	20:00	.	.	.	.
317	21FEB83	24:00	.	.	.	.
318	22FEB83	4:00	.	.	.	.
319	22FEB83	8:00	.	.	.	.
320	22FEB83	12:00	.	.	.	.
321	22FEB83	16:00	.	.	.	.
322	22FEB83	20:00	.	.	.	.
323	22FEB83	24:00	.	.	.	.
324	23FEB83	4:00	.	.	.	.
325	23FEB83	8:00	.	.	.	.
326	23FEB83	12:00	.	.	.	.
327	23FEB83	16:00	.	.	.	.
328	23FEB83	20:00	.	.	.	.
329	23FEB83	24:00	.	.	.	.
330	24FEB83	4:00	.	.	.	.
331	24FEB83	8:00	.	.	.	.
332	24FEB83	12:00	112	5	157	14
333	24FEB83	16:00	106	3	112	8
334	24FEB83	20:00	135	2	118	5
335	24FEB83	24:00	320	0	315	5
336	25FEB83	4:00	241	1	326	3
337	25FEB83	8:00	241	0	118	3
338	25FEB83	12:00	123	4	106	10
339	25FEB83	16:00	135	5	151	11



SAS  
4-HOUR OBSERVATIONS

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-----YR=83 MO=2-----

OBS	DATE	TIME	AVERAGE AZIMUTH (DEG.)	AVERAGE SPEED (M. P. H.)	GUST AZIMUTH (DEG.)	GUST SPEED (M. P. H.)
340	25FEB83	20:00	123	6	106	13
341	25FEB83	24:00	129	6	146	14
342	26FEB83	4:00	112	6	118	12
343	26FEB83	8:00	123	6	101	17
344	26FEB83	12:00	123	8	129	19
345	26FEB83	16:00	123	7	106	16
346	26FEB83	20:00	140	6	106	12
347	26FEB83	24:00	129	7	157	19
348	27FEB83	4:00	123	7	106	12
349	27FEB83	8:00	123	6	135	14
350	27FEB83	12:00	123	7	135	17
351	27FEB83	16:00	106	6	101	15
352	27FEB83	20:00	112	6	118	14
353	27FEB83	24:00	123	5	163	11
354	28FEB83	4:00	129	2	135	6
355	28FEB83	8:00	129	2	112	8
356	28FEB83	12:00	292	2	112	5
357	28FEB83	16:00	320	2	286	5
358	28FEB83	20:00	354	1	337	5
359	28FEB83	24:00	354	0	331	3

-----YR=83 MO=3-----

OBS	DATE	TIME	AVERAGE AZIMUTH (DEG.)	AVERAGE SPEED (M. P. H.)	GUST AZIMUTH (DEG.)	GUST SPEED (M. P. H.)
360	1MAR83	4:00	348	0	0	2
361	1MAR83	8:00	309	0	303	3
362	1MAR83	12:00	309	1	281	6
363	1MAR83	16:00	298	1	292	6
364	1MAR83	20:00	343	1	303	5
365	1MAR83	24:00	247	0	0	0
366	2MAR83	4:00	78	0	0	0
367	2MAR83	8:00	320	0	230	3
368	2MAR83	12:00	298	2	264	4
369	2MAR83	16:00	253	0	343	4
370	2MAR83	20:00	213	0	0	0
371	2MAR83	24:00	168	0	0	0
372	3MAR83	4:00	191	1	202	6
373	3MAR83	8:00	180	2	174	6
374	3MAR83	12:00	281	2	196	6
375	3MAR83	16:00	236	1	286	4
376	3MAR83	20:00	168	0	0	0
377	3MAR83	24:00	129	1	118	4
378	4MAR83	4:00	118	2	146	5
379	4MAR83	8:00	118	4	112	15
380	4MAR83	12:00	135	6	140	12

SAS  
4-HOUR OBSERVATIONS

-----YR=83 MO=3-----						
OBS	DATE	TIME	AVERAGE AZIMUTH (DEG.)	AVERAGE SPEED (M.P.H.)	CUST AZIMUTH (DEG.)	CUST SPEED (M.P.H.)
381	4MAR83	16:00	135	3	135	10
382	4MAR83	20:00	106	2	135	8
383	4MAR83	24:00	101	3	129	8
384	5MAR83	4:00	101	4	95	9
385	5MAR83	8:00	112	4	146	12
386	5MAR83	12:00	129	7	151	13
387	5MAR83	16:00	135	5	118	11
388	5MAR83	20:00	129	5	146	13
389	5MAR83	24:00	118	4	129	8
390	6MAR83	4:00	118	4	140	11
391	6MAR83	8:00	129	6	112	13
392	6MAR83	12:00	135	7	163	17
393	6MAR83	16:00	129	6	118	12
394	6MAR83	20:00	129	5	140	12
395	6MAR83	24:00	140	7	123	19
396	7MAR83	4:00	135	7	112	13
397	7MAR83	8:00	129	6	135	13
398	7MAR83	12:00	135	8	146	18
399	7MAR83	16:00	129	5	168	15
400	7MAR83	20:00	118	3	73	8
401	7MAR83	24:00	106	2	106	7
402	8MAR83	4:00	95	4	123	7
403	8MAR83	8:00	118	5	118	13
404	8MAR83	12:00	135	7	146	14
405	8MAR83	16:00	118	4	112	8
406	8MAR83	20:00	135	3	112	8
407	8MAR83	24:00	135	2	168	5
408	9MAR83	4:00	146	2	151	6
409	9MAR83	8:00	185	2	118	6
410	9MAR83	12:00	140	4	95	9
411	9MAR83	16:00	230	2	151	6
412	9MAR83	20:00	11	1	16	4
413	9MAR83	24:00	157	0	0	4
414	10MAR83	4:00	146	0	0	0
415	10MAR83	8:00	326	1	331	4
416	10MAR83	12:00	320	0	22	3
417	10MAR83	16:00	292	0	0	0
418	10MAR83	20:00	286	0	0	0
419	10MAR83	24:00	315	0	0	0
420	11MAR83	4:00	298	0	0	0
421	11MAR83	8:00	135	4	180	10
422	11MAR83	12:00	140	5	129	11
423	11MAR83	16:00	219	2	174	7
424	11MAR83	20:00	157	0	0	0
425	11MAR83	24:00	78	1	0	7
426	12MAR83	4:00	106	5	106	12
427	12MAR83	8:00	123	4	146	11
428	12MAR83	12:00	129	5	135	11
429	12MAR83	16:00	112	2	84	9

SAS  
4-HOUR OBSERVATIONS

-----YR=83 MO=3-----						
OBS	DATE	TIME	AVERAGE AZIMUTH (DEG.)	AVERAGE SPEED (M. P. H.)	CUST AZIMUTH (DEG.)	CUST SPEED (M. P. H.)
430	12MAR83	20:00	241	0	185	3
431	12MAR83	24:00	191	0	219	3
432	13MAR83	4:00	202	0	0	0
433	13MAR83	8:00	348	0	320	4
434	13MAR83	12:00	286	3	303	8
435	13MAR83	16:00	236	1	253	4
436	13MAR83	20:00	213	1	213	3
437	13MAR83	24:00	196	0	219	3
438	14MAR83	4:00	219	0	219	3
439	14MAR83	8:00	298	1	258	3
440	14MAR83	12:00	298	3	309	6
441	14MAR83	16:00	281	1	264	4
442	14MAR83	20:00	208	0	213	2
443	14MAR83	24:00	196	0	196	2
444	15MAR83	4:00	185	0	22	3
445	15MAR83	8:00	292	1	258	5
446	15MAR83	12:00	253	3	151	11
447	15MAR83	16:00	123	2	135	11
448	15MAR83	20:00	202	0	303	5
449	15MAR83	24:00	185	0	213	4
450	16MAR83	4:00	118	3	140	6
451	16MAR83	8:00	112	4	151	9
452	16MAR83	12:00	129	1	118	11
453	16MAR83	16:00	129	1	101	6
454	16MAR83	20:00	174	0	348	3
455	16MAR83	24:00	292	1	298	3
456	17MAR83	4:00	78	0	281	2
457	17MAR83	8:00	343	1	348	5
458	17MAR83	12:00	309	1	331	5
459	17MAR83	16:00	247	0	258	5
460	17MAR83	20:00	146	0	219	4
461	17MAR83	24:00	101	0	208	2
462	18MAR83	4:00	135	1	135	5
463	18MAR83	8:00	135	3	106	8
464	18MAR83	12:00	123	4	106	10
465	18MAR83	16:00	135	2	129	6
466	18MAR83	20:00	174	4	157	6
467	18MAR83	24:00	157	2	185	6
468	19MAR83	4:00	112	1	146	8
469	19MAR83	8:00	140	6	118	16
470	19MAR83	12:00	123	6	123	14
471	19MAR83	16:00	123	3	112	11
472	19MAR83	20:00	146	2	146	5
473	20MAR83	24:00	140	2	151	5
474	20MAR83	4:00	129	3	140	12
475	20MAR83	8:00	123	7	157	16
476	20MAR83	12:00	118	6	163	12
477	20MAR83	16:00	118	3	140	8
478	20MAR83	20:00	123	2	118	6

SAS  
4-HOUR OBSERVATIONS

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-----YR=83 MO=3-----

OBS	DATE	TIME	AVERAGE AZIMUTH (DEG.)	AVERAGE SPEED (M.P.H.)	GUST AZIMUTH (DEG.)	GUST SPEED (M.P.H.)
479	20MAR83	24:00	118	3	95	8
480	21MAR83	4:00	135	3	123	8
481	21MAR83	8:00	129	6	112	13
482	21MAR83	12:00	118	6	157	13
483	21MAR83	16:00	118	4	95	13
484	21MAR83	20:00	118	3	123	9
485	21MAR83	24:00	123	4	146	10
486	22MAR83	4:00	129	5	118	11
487	22MAR83	8:00	106	7	135	19
488	22MAR83	12:00	112	6	157	15
489	22MAR83	16:00	118	4	90	15
490	22MAR83	20:00	112	4	123	9
491	22MAR83	24:00	129	4	135	12
492	23MAR83	4:00	135	4	112	11
493	23MAR83	8:00	112	7	146	15
494	23MAR83	12:00	106	6	129	15
495	23MAR83	16:00	118	2	135	9
496	23MAR83	20:00	135	1	174	5
497	23MAR83	24:00	163	3	146	5
498	24MAR83	4:00	140	3	135	7
499	24MAR83	8:00	123	5	135	14
500	24MAR83	12:00	123	6	140	17
501	24MAR83	16:00	129	3	151	9
502	24MAR83	20:00	135	2	135	7
503	24MAR83	24:00	123	2	106	5
504	25MAR83	4:00	129	4	157	9
505	25MAR83	8:00	118	6	123	15
506	25MAR83	12:00	129	7	123	12
507	25MAR83	16:00	95	4	101	10
508	25MAR83	20:00	123	3	151	7
509	25MAR83	24:00	135	4	118	10
510	26MAR83	4:00	123	5	135	11
511	26MAR83	8:00	118	9	140	20
512	26MAR83	12:00	123	9	90	17
513	26MAR83	16:00	106	6	112	15
514	26MAR83	20:00	123	5	90	9
515	26MAR83	24:00	135	5	168	13
516	27MAR83	4:00	129	6	123	12
517	27MAR83	8:00	123	7	73	14
518	27MAR83	12:00	101	9	90	21
519	27MAR83	16:00	101	6	90	18
520	27MAR83	20:00	118	6	112	14
521	27MAR83	24:00	129	4	135	11
522	28MAR83	4:00	135	4	135	8
523	28MAR83	8:00	123	6	123	12
524	28MAR83	12:00	123	6	123	12
525	28MAR83	16:00	118	3	146	12
526	28MAR83	20:00	129	2	129	7
527	28MAR83	24:00	135	4	140	9

SAS  
4-HOUR OBSERVATIONS

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-----YR=83 MO=3-----

OBS	DATE	TIME	AVERAGE AZIMUTH (DEG.)	AVERAGE SPEED (M.P.H.)	GUST AZIMUTH (DEG.)	GUST SPEED (M.P.H.)
528	29MAR83	4:00	123	4	90	12
529	29MAR83	8:00	123	7	135	16
530	29MAR83	12:00	135	6	146	13
531	29MAR83	16:00	146	2	157	9
532	29MAR83	20:00	185	2	191	6
533	29MAR83	24:00	213	1	230	4
534	30MAR83	4:00	230	0	213	3
535	30MAR83	8:00	45	3	151	16
536	30MAR83	12:00	90	6	112	15
537	30MAR83	16:00	106	2	151	9
538	30MAR83	20:00	208	1	230	4
539	30MAR83	24:00	196	0	213	3
540	31MAR83	4:00	191	0	219	2
541	31MAR83	8:00	309	2	118	11
542	31MAR83	12:00	140	5	163	12
543	31MAR83	16:00	348	2	146	9
544	31MAR83	20:00	67	0	337	3
545	31MAR83	24:00	208	0	202	2

-----YR=83 MO=4-----

OBS	DATE	TIME	AVERAGE AZIMUTH (DEG.)	AVERAGE SPEED (M.P.H.)	GUST AZIMUTH (DEG.)	GUST SPEED (M.P.H.)
546	1APR83	4:00	202	0	219	4
547	1APR83	8:00	315	1	303	5
548	1APR83	12:00	309	5	320	8
549	1APR83	16:00	331	2	303	6
550	1APR83	20:00	45	0	343	3
551	1APR83	24:00	168	0	202	2
552	2APR83	4:00	163	0	196	2
553	2APR83	8:00	298	0	292	5
554	2APR83	12:00	303	4	298	8
555	2APR83	16:00	275	2	298	5
556	2APR83	20:00	174	0	241	4
557	2APR83	24:00	129	0	112	4
558	3APR83	4:00	95	2	168	9
559	3APR83	8:00	135	5	123	12
560	3APR83	12:00	140	5	140	11
561	3APR83	16:00	157	5	146	10
562	3APR83	20:00	129	5	151	13
563	3APR83	24:00	101	6	151	20
564	4APR83	4:00	123	5	151	14
565	4APR83	8:00	118	6	112	13
566	4APR83	12:00	112	5	123	11
567	4APR83	16:00	168	5	219	12
568	4APR83	20:00	225	11	225	27

SAS  
4-HOUR OBSERVATIONS

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-----YR=83 MO=4-----

OBS	DATE	TIME	AVERAGE AZIMUTH (DEG.)	AVERAGE SPEED (M. P. H.)	GUST AZIMUTH (DEG.)	GUST SPEED (M. P. H.)
569	4APR83	24:00	230	10	236	20
570	5APR83	4:00	219	7	225	14
571	5APR83	8:00	230	9	258	17
572	5APR83	12:00	219	9	208	15
573	5APR83	16:00	219	5	225	13
574	5APR83	20:00	180	5	180	11
575	5APR83	24:00	174	5	202	10
576	6APR83	4:00	151	1	135	4
577	6APR83	8:00	191	2	129	6
578	6APR83	12:00	298	3	298	8
579	6APR83	16:00	219	4	230	8
580	6APR83	20:00	157	1	208	6
581	6APR83	24:00	140	0	213	3
582	7APR83	4:00	168	0	219	5
583	7APR83	8:00	320	1	303	7
584	7APR83	12:00	331	4	348	8
585	7APR83	16:00	326	4	343	8
586	7APR83	20:00	236	0	253	4
587	7APR83	24:00	180	0	174	3
588	8APR83	4:00	185	0	129	2
589	8APR83	8:00	326	2	0	9
590	8APR83	12:00	331	5	348	10
591	8APR83	16:00	275	1	298	5
592	8APR83	20:00	196	0	230	4
593	8APR83	24:00	185	0	202	3
594	9APR83	4:00	225	0	219	3
595	9APR83	8:00	331	3	326	8
596	9APR83	12:00	315	8	309	16
597	9APR83	16:00	298	8	286	15
598	9APR83	20:00	286	7	286	13
599	9APR83	24:00	292	7	303	15
600	10APR83	4:00	298	6	292	11
601	10APR83	8:00	315	6	292	11
602	10APR83	12:00	315	6	281	11
603	10APR83	16:00	343	5	185	12
604	10APR83	20:00	225	2	241	5
605	10APR83	24:00	168	0	135	2
606	11APR83	4:00	146	2	146	9
607	11APR83	8:00	123	6	146	15
608	11APR83	12:00	112	6	90	12
609	11APR83	16:00	101	4	106	9
610	11APR83	20:00	106	4	135	11
611	11APR83	24:00	123	4	146	9
612	12APR83	4:00	118	4	157	12
613	12APR83	8:00	129	7	106	14
614	12APR83	12:00	118	5	112	10
615	12APR83	16:00	112	2	135	6
616	12APR83	20:00	196	2	163	7
617	12APR83	24:00	298	1	348	3

SAS  
4-HOUR OBSERVATIONS

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-----YR=83 MO=4-----

OBS	DATE	TIME	AVERAGE AZIMUTH (DEG.)	AVERAGE SPEED (M. P. H.)	GUST AZIMUTH (DEG.)	GUST SPEED (M. P. H.)
618	13APR83	4:00	292	0	343	3
619	13APR83	8:00	320	0	309	3
620	13APR83	12:00	309	3	315	7
621	13APR83	16:00	275	1	270	4
622	13APR83	20:00	202	0	241	3
623	13APR83	24:00	180	0	298	4
624	14APR83	4:00	219	0	39	3
625	14APR83	8:00	281	3	241	17
626	14APR83	12:00	247	7	230	17
627	14APR83	16:00	213	5	253	11
628	14APR83	20:00	151	2	140	6
629	14APR83	24:00	196	7	202	17
630	15APR83	4:00	168	4	208	12
631	15APR83	8:00	213	6	213	13
632	15APR83	12:00	202	4	219	8
633	15APR83	16:00	185	3	247	12
634	15APR83	20:00	185	2	258	10
635	15APR83	24:00	146	1	163	5
636	16APR83	4:00	112	0	0	5
637	16APR83	8:00	309	5	309	11
638	16APR83	12:00	315	6	315	12
639	16APR83	16:00	298	6	303	10
640	16APR83	20:00	298	5	292	11
641	16APR83	24:00	292	4	298	9
642	17APR83	4:00	298	3	298	10
643	17APR83	8:00	348	2	343	9
644	17APR83	12:00	123	3	140	11
645	17APR83	16:00	241	1	236	7
646	17APR83	20:00	163	2	213	9
647	17APR83	24:00	118	2	174	6
648	18APR83	4:00	146	2	185	8
649	18APR83	8:00	219	8	202	13
650	18APR83	12:00	225	5	213	11
651	18APR83	16:00	180	3	230	9
652	18APR83	20:00	146	2	180	6
653	18APR83	24:00	118	1	135	10
654	19APR83	4:00	135	8	163	19
655	19APR83	8:00	135	8	219	17
656	19APR83	12:00	174	8	196	14
657	19APR83	16:00	185	4	157	12
658	19APR83	20:00	163	2	208	6
659	19APR83	24:00	135	1	151	6
660	20APR83	4:00	112	2	95	6
661	20APR83	8:00	112	6	135	12
662	20APR83	12:00	123	6	135	14
663	20APR83	16:00	118	4	157	15
664	20APR83	20:00	129	1	112	4
665	20APR83	24:00	146	1	174	4
666	21APR83	4:00	135	1	95	5

SAS  
4-HOUR OBSERVATIONS

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-----YR=83 MO=4-----

OBS	DATE	TIME	AVERAGE AZIMUTH (DEG.)	AVERAGE SPEED (M.P.H.)	GUST AZIMUTH (DEG.)	GUST SPEED (M.P.H.)
667	21APR83	8:00	140	3	202	10
668	21APR83	12:00	270	4	213	9
669	21APR83	16:00	213	6	241	10
670	21APR83	20:00	163	3	185	8
671	21APR83	24:00	135	2	135	6
672	22APR83	4:00	123	2	157	8
673	22APR83	8:00	146	4	123	9
674	22APR83	12:00	208	8	225	15
675	22APR83	16:00	202	4	225	13
676	22APR83	20:00	151	1	213	7
677	22APR83	24:00	140	2	129	6
678	23APR83	4:00	118	3	168	12
679	23APR83	8:00	135	6	157	14
680	23APR83	12:00	163	4	185	13
681	23APR83	16:00	196	8	247	16
682	23APR83	20:00	180	1	264	5
683	23APR83	24:00	123	0	33	2
684	24APR83	4:00	140	1	118	6
685	24APR83	8:00	146	4	140	11
686	24APR83	12:00	163	3	168	9
687	24APR83	16:00	303	5	281	13
688	24APR83	20:00	168	1	292	11
689	24APR83	24:00	151	0	208	2
690	25APR83	4:00	135	0	112	6
691	25APR83	8:00	135	4	151	13
692	25APR83	12:00	123	4	95	9
693	25APR83	16:00	320	7	320	16
694	25APR83	20:00	303	5	281	10
695	25APR83	24:00	270	3	281	9
696	26APR83	4:00	225	1	286	7
697	26APR83	8:00	309	4	253	8
698	26APR83	12:00	298	4	292	8
699	26APR83	16:00	326	2	343	7
700	26APR83	20:00	264	4	275	8
701	26APR83	24:00	292	7	343	13
702	27APR83	4:00	303	7	298	14
703	27APR83	8:00	309	8	281	15
704	27APR83	12:00	320	7	303	13
705	27APR83	16:00	303	6	298	12
706	27APR83	20:00	303	1	315	8
707	27APR83	24:00	168	0	230	3
708	28APR83	4:00	129	1	140	4
709	28APR83	8:00	123	4	112	10
710	28APR83	12:00	135	5	118	10
711	28APR83	16:00	151	1	146	4
712	28APR83	20:00	196	0	303	5
713	28APR83	24:00	191	0	230	4
714	29APR83	4:00	135	0	163	4
715	29APR83	8:00	326	2	298	7



SAS  
4-HOUR OBSERVATIONS

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-----YR=83 MO=4-----						
OBS	DATE	TIME	AVERAGE AZIMUTH (DEG.)	AVERAGE SPEED (M.P.H.)	GUST AZIMUTH (DEG.)	GUST SPEED (M.P.H.)
716	29APR83	12:00	303	5	320	10
717	29APR83	16:00	292	6	309	12
718	29APR83	20:00	292	6	326	15
719	29APR83	24:00	309	5	309	13
720	30APR83	4:00	320	6	337	14
721	30APR83	8:00	298	7	320	13
722	30APR83	12:00	298	7	309	11
723	30APR83	16:00	320	5	331	12
724	30APR83	20:00	219	2	241	6
725	30APR83	24:00	118	1	84	4

-----YR=83 MO=5-----						
OBS	DATE	TIME	AVERAGE AZIMUTH (DEG.)	AVERAGE SPEED (M.P.H.)	GUST AZIMUTH (DEG.)	GUST SPEED (M.P.H.)
726	1MAY83	4:00	106	2	123	7
727	1MAY83	8:00	112	5	123	13
728	1MAY83	12:00	129	6	146	12
729	1MAY83	16:00	95	5	123	12
730	1MAY83	20:00	101	3	67	6
731	1MAY83	24:00	135	3	118	9
732	2MAY83	4:00	135	4	123	11
733	2MAY83	8:00	129	5	157	14
734	2MAY83	12:00	129	4	151	10
735	2MAY83	16:00	123	4	135	13
736	2MAY83	20:00	90	1	73	5
737	2MAY83	24:00	315	2	298	6
738	3MAY83	4:00	315	3	337	7
739	3MAY83	8:00	337	4	5	9
740	3MAY83	12:00	337	4	5	9
741	3MAY83	16:00	315	7	315	15
742	3MAY83	20:00	320	4	315	11
743	3MAY83	24:00	5	1	331	4
744	4MAY83	4:00	33	0	16	4
745	4MAY83	8:00	106	3	78	9
746	4MAY83	12:00	135	4	168	11
747	4MAY83	16:00	67	3	95	8
748	4MAY83	20:00	163	0	123	3
749	4MAY83	24:00	151	0	163	4
750	5MAY83	4:00	95	2	146	8
751	5MAY83	8:00	123	5	106	10
752	5MAY83	12:00	129	6	151	12
753	5MAY83	16:00	95	3	45	10
754	5MAY83	20:00	118	2	151	9
755	5MAY83	24:00	140	0	163	2
756	6MAY83	4:00	146	1	163	5

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4-HOUR OBSERVATIONS

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-----YR=83 MO=5-----

OBS	DATE	TIME	AVERAGE AZIMUTH (DEG.)	AVERAGE SPEED (M.P.H.)	GUST AZIMUTH (DEG.)	GUST SPEED (M.P.H.)
757	6MAY83	8:00	129	5	135	12
758	6MAY83	12:00	78	5	45	11
759	6MAY83	16:00	90	3	45	10
760	6MAY83	20:00	106	0	61	3
761	6MAY83	24:00	174	0	196	3
762	7MAY83	4:00	180	1	118	10
763	7MAY83	8:00	123	4	146	10
764	7MAY83	12:00	45	3	33	11
765	7MAY83	16:00	123	2	33	6
766	7MAY83	20:00	112	0	202	5
767	7MAY83	24:00	157	0	180	3
768	8MAY83	4:00	247	0	331	4
769	8MAY83	8:00	331	3	326	9
770	8MAY83	12:00	298	4	298	8
771	8MAY83	16:00	303	5	28	15
772	8MAY83	20:00	168	1	236	5
773	8MAY83	24:00	174	0	286	3
774	9MAY83	4:00	123	0	0	0
775	9MAY83	8:00	337	2	309	6
776	9MAY83	12:00	303	4	354	10
777	9MAY83	16:00	264	4	241	13
778	9MAY83	20:00	196	4	202	8
779	9MAY83	24:00	151	0	146	4
780	10MAY83	4:00	106	0	67	7
781	10MAY83	8:00	123	4	95	10
782	10MAY83	12:00	219	4	225	11
783	10MAY83	16:00	225	9	241	15
784	10MAY83	20:00	185	3	219	9
785	10MAY83	24:00	135	0	163	6
786	11MAY83	4:00	135	0	213	3
787	11MAY83	8:00	348	2	45	7
788	11MAY83	12:00	286	4	320	11
789	11MAY83	16:00	331	4	292	8
790	11MAY83	20:00	118	3	174	8
791	11MAY83	24:00	95	2	95	6
792	12MAY83	4:00	129	3	140	9
793	12MAY83	8:00	146	6	180	11
794	12MAY83	12:00	129	6	84	12
795	12MAY83	16:00	123	4	123	10
796	12MAY83	20:00	112	2	135	7
797	12MAY83	24:00	157	0	185	5
798	13MAY83	4:00	112	1	151	5
799	13MAY83	8:00	0	3	298	8
800	13MAY83	12:00	298	5	303	10
801	13MAY83	16:00	315	4	320	8
802	13MAY83	20:00	258	1	241	5
803	13MAY83	24:00	180	0	168	4
804	14MAY83	4:00	135	0	157	4
805	14MAY83	8:00	326	2	33	8

SAS  
4-HOUR OBSERVATIONS

-----YR=83 MO=5-----						
OBS	DATE	TIME	AVERAGE AZIMUTH (DEG.)	AVERAGE SPEED (M.P.H.)	GUST AZIMUTH (DEG.)	GUST SPEED (M.P.H.)
806	14MAY83	12:00	315	5	309	11
807	14MAY83	16:00	112	3	213	11
808	14MAY83	20:00	129	0	174	3
809	14MAY83	24:00	140	0	174	4
810	15MAY83	4:00	236	1	219	4
811	15MAY83	8:00	286	3	354	8
812	15MAY83	12:00	326	5	320	10
813	15MAY83	16:00	11	5	39	11
814	15MAY83	20:00	129	1	168	8
815	15MAY83	24:00	123	2	140	6
816	16MAY83	4:00	123	4	78	12
817	16MAY83	8:00	112	6	78	11
818	16MAY83	12:00	146	5	180	16
819	16MAY83	16:00	196	7	191	16
820	16MAY83	20:00	84	3	73	10
821	16MAY83	24:00	61	2	33	7
822	17MAY83	4:00	84	1	95	5
823	17MAY83	8:00	106	0	22	4
824	17MAY83	12:00	343	1	0	4
825	17MAY83	16:00	16	2	11	6
826	17MAY83	20:00	135	0	140	3
827	17MAY83	24:00	292	3	343	8
828	18MAY83	4:00	303	1	320	5
829	18MAY83	8:00	45	2	33	9
830	18MAY83	12:00	343	3	5	8
831	18MAY83	16:00	315	6	337	18
832	18MAY83	20:00	303	0	258	6
833	18MAY83	24:00	157	1	331	5
834	19MAY83	4:00	106	1	174	5
835	19MAY83	8:00	123	2	185	7
836	19MAY83	12:00	5	4	22	9
837	19MAY83	16:00	320	5	337	13
838	19MAY83	20:00	286	1	320	6
839	19MAY83	24:00	202	1	0	10
840	20MAY83	4:00	106	1	73	5
841	20MAY83	8:00	320	7	292	13
842	20MAY83	12:00	315	11	315	24
843	20MAY83	16:00	326	8	326	22
844	20MAY83	20:00	270	3	309	9
845	20MAY83	24:00	140	0	146	2
846	21MAY83	4:00	106	2	61	7
847	21MAY83	8:00	22	3	5	8
848	21MAY83	12:00	348	5	0	11
849	21MAY83	16:00	326	4	309	11
850	21MAY83	20:00	230	2	185	6
851	21MAY83	24:00	140	2	118	8
852	22MAY83	4:00	118	4	140	12
853	22MAY83	8:00	118	6	112	12
854	22MAY83	12:00	45	3	95	10

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4-HOUR OBSERVATIONS

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-----YR=83 MO=5-----

OBS	DATE	TIME	AVERAGE AZIMUTH (DEG.)	AVERAGE SPEED (M. P. H.)	GUST AZIMUTH (DEG.)	GUST SPEED (M. P. H.)
855	22MAY83	16:00	230	3	225	8
856	22MAY83	20:00	174	2	225	9
857	22MAY83	24:00	151	4	151	9
858	23MAY83	4:00	303	1	236	6
859	23MAY83	8:00	28	3	22	9
860	23MAY83	12:00	33	4	28	11
861	23MAY83	16:00	213	8	202	18
862	23MAY83	20:00	185	3	219	10
863	23MAY83	24:00	129	1	123	5
864	24MAY83	4:00	112	0	180	4
865	24MAY83	8:00	0	3	16	10
866	24MAY83	12:00	309	4	320	8
867	24MAY83	16:00	298	5	236	11
868	24MAY83	20:00	315	3	337	6
869	24MAY83	24:00	236	0	298	5
870	25MAY83	4:00	45	1	343	6
871	25MAY83	8:00	315	6	303	12
872	25MAY83	12:00	270	6	264	11
873	25MAY83	16:00	298	4	320	11
874	25MAY83	20:00	315	2	315	7
875	25MAY83	24:00	157	1	157	6
876	26MAY83	4:00	196	1	264	4
877	26MAY83	8:00	73	4	33	10
878	26MAY83	12:00	219	6	213	15
879	26MAY83	16:00	219	8	213	15
880	26MAY83	20:00	191	2	22	9
881	26MAY83	24:00	135	0	135	5
882	27MAY83	4:00	202	0	281	4
883	27MAY83	8:00	292	4	320	8
884	27MAY83	12:00	315	5	343	10
885	27MAY83	16:00	286	7	298	12
886	27MAY83	20:00	286	5	270	11
887	27MAY83	24:00	140	0	219	3
888	28MAY83	4:00	123	0	123	8
889	28MAY83	8:00	112	4	129	11
890	28MAY83	12:00	106	5	90	12
891	28MAY83	16:00	123	4	84	9
892	28MAY83	20:00	151	0	90	5
893	28MAY83	24:00	191	1	236	4
894	29MAY83	4:00	95	2	123	8
895	29MAY83	8:00	101	6	84	14
896	29MAY83	12:00	140	7	67	18
897	29MAY83	16:00	174	3	174	10
898	29MAY83	20:00	135	0	202	4
899	29MAY83	24:00	101	2	219	6
900	30MAY83	4:00	112	2	101	5
901	30MAY83	8:00	129	5	140	11
902	30MAY83	12:00	118	5	174	11
903	30MAY83	16:00	112	3	106	10

## 4-HOUR OBSERVATIONS

-----YR=83 MO=5-----

OBS	DATE	TIME	AVERAGE AZIMUTH (DEG.)	AVERAGE SPEED (M.P.H.)	GUST AZIMUTH (DEG.)	GUST SPEED (M.P.H.)
904	30MAY83	20:00	135	0	213	4
905	30MAY83	24:00	174	1	225	5
906	31MAY83	4:00	151	0	16	3
907	31MAY83	8:00	348	7	5	19
908	31MAY83	12:00	315	8	208	20
909	31MAY83	16:00	45	5	354	11
910	31MAY83	20:00	106	1	230	6
911	31MAY83	24:00	157	1	168	8

-----YR=83 MO=6-----

OBS	DATE	TIME	AVERAGE AZIMUTH (DEG.)	AVERAGE SPEED (M.P.H.)	GUST AZIMUTH (DEG.)	GUST SPEED (M.P.H.)
912	1JUN83	4:00	213	0	5	6
913	1JUN83	8:00	5	4	16	10
914	1JUN83	12:00	354	3	11	10
915	1JUN83	16:00	315	4	337	7
916	1JUN83	20:00	292	3	253	6
917	1JUN83	24:00	298	4	309	10
918	2JUN83	4:00	315	7	309	11
919	2JUN83	8:00	303	8	309	17
920	2JUN83	12:00	264	7	298	17
921	2JUN83	16:00	101	2	73	10
922	2JUN83	20:00	95	2	118	8
923	2JUN83	24:00	101	2	118	8
924	3JUN83	4:00	118	4	123	12
925	3JUN83	8:00	123	5	123	11
926	3JUN83	12:00	135	4	106	11
927	3JUN83	16:00	230	5	196	12
928	3JUN83	20:00	163	1	157	5
929	3JUN83	24:00	241	0	258	6
930	4JUN83	4:00	129	0	28	4
931	4JUN83	8:00	348	3	326	9
932	4JUN83	12:00	331	6	309	12
933	4JUN83	16:00	337	1	337	8
934	4JUN83	20:00	11	0	39	3
935	4JUN83	24:00	112	0	230	4
936	5JUN83	4:00	253	1	303	5
937	5JUN83	8:00	337	4	0	10
938	5JUN83	12:00	303	6	241	13
939	5JUN83	16:00	315	6	303	16
940	5JUN83	20:00	253	3	292	7
941	5JUN83	24:00	258	4	320	10
942	6JUN83	4:00	303	5	298	10
943	6JUN83	8:00	298	6	275	14
944	6JUN83	12:00	309	9	331	15

SAS  
4-HOUR OBSERVATIONS

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YR=83 MO=6

OBS	DATE	TIME	AVERAGE AZIMUTH (DEG.)	AVERAGE SPEED (M.P.H.)	GUST AZIMUTH (DEG.)	GUST SPEED (M.P.H.)
945	6JUN83	16:00	331	6	337	14
946	6JUN83	20:00	326	3	343	7
947	6JUN83	24:00	303	1	320	5
948	7JUN83	4:00	270	1	275	4
949	7JUN83	8:00	320	3	0	7
950	7JUN83	12:00	331	4	303	11
951	7JUN83	16:00	337	6	348	13
952	7JUN83	20:00	315	2	326	7
953	7JUN83	24:00	146	0	135	2
954	8JUN83	4:00	135	1	95	6
955	8JUN83	8:00	16	3	45	6
956	8JUN83	12:00	337	4	0	12
957	8JUN83	16:00	292	5	253	9
958	8JUN83	20:00	253	4	230	10
959	8JUN83	24:00	146	0	0	0
960	9JUN83	4:00	11	1	264	6
961	9JUN83	8:00	348	2	230	7
962	9JUN83	12:00	270	4	303	10
963	9JUN83	16:00	309	5	264	11
964	9JUN83	20:00	270	4	303	9
965	9JUN83	24:00	191	1	241	4
966	10JUN83	4:00	320	1	309	6
967	10JUN83	8:00	315	3	264	10
968	10JUN83	12:00	292	5	275	10
969	10JUN83	16:00	247	7	208	13
970	10JUN83	20:00	202	7	230	14
971	10JUN83	24:00	191	6	196	12
972	11JUN83	4:00	135	2	140	5
973	11JUN83	8:00	84	2	0	7
974	11JUN83	12:00	5	3	0	8
975	11JUN83	16:00	0	3	39	8
976	11JUN83	20:00	45	0	16	5
977	11JUN83	24:00	106	1	67	5
978	12JUN83	4:00	123	1	123	5
979	12JUN83	8:00	354	2	320	10
980	12JUN83	12:00	275	3	270	9
981	12JUN83	16:00	258	3	202	9
982	12JUN83	20:00	157	1	151	4
983	12JUN83	24:00	151	1	129	5
984	13JUN83	4:00	106	0	33	3
985	13JUN83	8:00	33	2	33	7
986	13JUN83	12:00	348	4	78	9
987	13JUN83	16:00	247	2	315	6
988	13JUN83	20:00	264	2	343	6
989	13JUN83	24:00	146	0	230	3
990	14JUN83	4:00	354	0	309	5
991	14JUN83	8:00	275	5	225	5
992	14JUN83	12:00	174	5	191	14
993	14JUN83	16:00	135	4	135	9

SAS  
4-HOUR OBSERVATIONS

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-----YR=83 MO=6-----

OBS	DATE	TIME	AVERAGE AZIMUTH (DEG.)	AVERAGE SPEED (M.P.H.)	GUST AZIMUTH (DEG.)	GUST SPEED (M.P.H.)
994	14JUN83	20:00	151	2	112	7
995	14JUN83	24:00	163	0	135	3
996	15JUN83	4:00	146	0	45	2
997	15JUN83	8:00	326	2	348	8
998	15JUN83	12:00	22	2	39	6
999	15JUN83	16:00	180	2	129	6
1000	15JUN83	20:00	281	2	225	6
1001	15JUN83	24:00	33	2	11	7
1002	16JUN83	4:00	337	2	5	7
1003	16JUN83	8:00	343	4	286	10
1004	16JUN83	12:00	253	7	264	13
1005	16JUN83	16:00	303	4	320	10
1006	16JUN83	20:00	281	6	343	12
1007	16JUN83	24:00	208	2	236	8
1008	17JUN83	4:00	264	3	275	8
1009	17JUN83	8:00	264	4	264	9
1010	17JUN83	12:00	292	5	275	10
1011	17JUN83	16:00	292	6	253	16
1012	17JUN83	20:00	270	2	315	8
1013	17JUN83	24:00	163	0	196	1
1014	18JUN83	4:00	168	0	275	5
1015	18JUN83	8:00	112	2	90	8
1016	18JUN83	12:00	118	4	73	9
1017	18JUN83	16:00	135	1	61	6
1018	18JUN83	20:00	253	1	174	5
1019	18JUN83	24:00	106	1	112	4
1020	19JUN83	4:00	118	1	101	5
1021	19JUN83	8:00	112	2	129	9
1022	19JUN83	12:00	191	3	185	8
1023	19JUN83	16:00	331	4	286	10
1024	19JUN83	20:00	337	2	315	9
1025	19JUN83	24:00	196	0	163	5
1026	20JUN83	4:00	281	1	5	4
1027	20JUN83	8:00	331	5	331	10
1028	20JUN83	12:00	326	4	315	10
1029	20JUN83	16:00	95	4	0	17
1030	20JUN83	20:00	129	3	185	8
1031	20JUN83	24:00	163	0	196	7
1032	21JUN83	4:00	213	0	230	4
1033	21JUN83	8:00	315	0	5	5
1034	21JUN83	12:00	112	0	112	3
1035	21JUN83	16:00	78	1	16	12
1036	21JUN83	20:00	90	0	230	4
1037	21JUN83	24:00	129	0	28	2
1038	22JUN83	4:00	129	0	0	0
1039	22JUN83	8:00	331	2	5	9
1040	22JUN83	12:00	247	7	230	15
1041	22JUN83	16:00	286	2	230	6
1042	22JUN83	20:00	196	0	236	3

SAS  
4-HOUR OBSERVATIONS

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-----YR=83 MO=6-----						
OBS	DATE	TIME	AVERAGE AZIMUTH (DEG.)	AVERAGE SPEED (M.P.H.)	GUST AZIMUTH (DEG.)	GUST SPEED (M.P.H.)
1043	22JUN83	24:00	146	2	196	6
1044	23JUN83	4:00	135	2	112	7
1045	23JUN83	8:00	90	3	45	8
1046	23JUN83	12:00	348	5	202	13
1047	23JUN83	16:00	230	6	241	13
1048	23JUN83	20:00	236	2	247	8
1049	23JUN83	24:00	180	0	146	5
1050	24JUN83	4:00	118	2	135	5
1051	24JUN83	8:00	118	3	112	7
1052	24JUN83	12:00	118	4	202	10
1053	24JUN83	16:00	135	2	168	9
1054	24JUN83	20:00	230	2	225	6
1055	24JUN83	24:00	123	0	191	3
1056	25JUN83	4:00	28	0	0	4
1057	25JUN83	8:00	343	2	95	6
1058	25JUN83	12:00	354	3	56	8
1059	25JUN83	16:00	315	4	320	10
1060	25JUN83	20:00	213	2	219	8
1061	25JUN83	24:00	157	0	191	4
1062	26JUN83	4:00	303	1	315	7
1063	26JUN83	8:00	348	5	309	18
1064	26JUN83	12:00	343	6	90	16
1065	26JUN83	16:00	326	6	348	15
1066	26JUN83	20:00	253	4	236	11
1067	26JUN83	24:00	208	1	225	5
1068	27JUN83	4:00	354	0	292	5
1069	27JUN83	8:00	253	1	225	6
1070	27JUN83	12:00	331	5	320	10
1071	27JUN83	16:00	331	3	0	6
1072	27JUN83	20:00	270	1	236	5
1073	27JUN83	24:00	253	2	241	6
1074	28JUN83	4:00	298	2	275	5
1075	28JUN83	8:00	348	3	16	9
1076	28JUN83	12:00	253	4	219	12
1077	28JUN83	16:00	84	0	61	3
1078	28JUN83	20:00	106	0	129	2
1079	28JUN83	24:00	174	0	140	3
1080	29JUN83	4:00	247	0	298	4
1081	29JUN83	8:00	11	1	0	4
1082	29JUN83	12:00	112	3	157	7
1083	29JUN83	16:00	118	2	174	9
1084	29JUN83	20:00	151	1	337	6
1085	29JUN83	24:00	118	1	196	6
1086	30JUN83	4:00	151	0	225	4
1087	30JUN83	8:00	337	4	331	10
1088	30JUN83	12:00	337	4	331	10
1089	30JUN83	16:00	320	4	298	10
1090	30JUN83	20:00	270	4	258	7
1091	30JUN83	24:00	202	1	106	6



SAS  
4-HOUR OBSERVATIONS

-----YR=83 MO=7-----

OBS	DATE	TIME	AVERAGE AZIMUTH (DEG.)	AVERAGE SPEED (M.P.H.)	GUST AZIMUTH (DEG.)	GUST SPEED (M.P.H.)
1092	1JUL83	4:00	95	0	16	4
1093	1JUL83	8:00	78	4	118	10
1094	1JUL83	12:00	129	6	157	13
1095	1JUL83	16:00	118	5	95	15
1096	1JUL83	20:00	135	1	168	5
1097	1JUL83	24:00	354	1	309	6
1098	2JUL83	4:00	5	1	50	5
1099	2JUL83	8:00	326	4	326	11
1100	2JUL83	12:00	320	7	298	14
1101	2JUL83	16:00	320	8	298	16
1102	2JUL83	20:00	309	4	270	12
1103	2JUL83	24:00	298	1	286	6
1104	3JUL83	4:00	303	1	275	6
1105	3JUL83	8:00	275	5	253	8
1106	3JUL83	12:00	275	5	253	8
1107	3JUL83	16:00	315	3	315	8
1108	3JUL83	20:00	303	2	298	5
1109	3JUL83	24:00	298	2	258	4
1110	4JUL83	4:00	264	0	281	4
1111	4JUL83	8:00	309	3	326	8
1112	4JUL83	12:00	331	4	331	8
1113	4JUL83	16:00	309	1	5	6
1114	4JUL83	20:00	241	0	247	3
1115	4JUL83	24:00	219	0	236	6
1116	5JUL83	4:00	303	0	337	7
1117	5JUL83	8:00	326	5	354	11
1118	5JUL83	12:00	320	4	337	8
1119	5JUL83	16:00	320	4	331	9
1120	5JUL83	20:00	230	2	11	10
1121	5JUL83	24:00	140	1	157	5
1122	6JUL83	4:00	123	3	67	8
1123	6JUL83	8:00	106	6	112	15
1124	6JUL83	12:00	106	6	135	13
1125	6JUL83	16:00	123	5	61	13
1126	6JUL83	20:00	163	1	112	7
1127	6JUL83	24:00	213	2	230	5
1128	7JUL83	4:00	146	0	45	3
1129	7JUL83	8:00	16	3	61	8
1130	7JUL83	12:00	123	5	90	11
1131	7JUL83	16:00	196	4	253	11
1132	7JUL83	20:00	247	2	213	6
1133	7JUL83	24:00	157	0	16	4
1134	8JUL83	4:00	90	0	45	3
1135	8JUL83	8:00	112	1	39	5
1136	8JUL83	12:00	331	4	196	9
1137	8JUL83	16:00	286	6	135	13
1138	8JUL83	20:00	157	3	213	10
1139	8JUL83	24:00	157	0	191	5
1140	9JUL83	4:00	326	1	22	4

SAS  
4-HOUR OBSERVATIONS

-----YR=83 MO=7-----						
OBS	DATE	TIME	AVERAGE AZIMUTH (DEG.)	AVERAGE SPEED (M. P. H.)	GUST AZIMUTH (DEG.)	GUST SPEED (M. P. H.)
1141	9JUL83	8:00	146	2	196	6
1142	9JUL83	12:00	180	2	157	10
1143	9JUL83	16:00	196	4	196	7
1144	9JUL83	20:00	163	1	174	6
1145	9JUL83	24:00	185	0	219	4
1146	10JUL83	4:00	101	0	196	4
1147	10JUL83	8:00	281	3	275	9
1148	10JUL83	12:00	298	6	253	14
1149	10JUL83	16:00	191	2	281	9
1150	10JUL83	20:00	213	4	230	10
1151	10JUL83	24:00	292	2	219	7
1152	11JUL83	4:00	320	4	298	8
1153	11JUL83	8:00	303	4	320	8
1154	11JUL83	12:00	208	4	191	10
1155	11JUL83	16:00	292	3	298	8
1156	11JUL83	20:00	275	0	241	4
1157	11JUL83	24:00	219	0	208	3
1158	12JUL83	4:00	286	3	337	8
1159	12JUL83	8:00	320	4	303	11
1160	12JUL83	12:00	326	7	258	11
1161	12JUL83	16:00	326	6	337	16
1162	12JUL83	20:00	264	3	230	6
1163	12JUL83	24:00	196	0	247	4
1164	13JUL83	4:00	281	2	337	10
1165	13JUL83	8:00	320	6	348	12
1166	13JUL83	12:00	281	4	286	14
1167	13JUL83	16:00	270	4	298	13
1168	13JUL83	20:00	275	3	241	8
1169	13JUL83	24:00	219	0	292	2
1170	14JUL83	4:00	78	0	292	4
1171	14JUL83	8:00	337	4	337	11
1172	14JUL83	12:00	331	6	16	11
1173	14JUL83	16:00	337	5	309	11
1174	14JUL83	20:00	320	1	354	4
1175	14JUL83	24:00	163	0	241	4
1176	15JUL83	4:00	118	0	101	6
1177	15JUL83	8:00	354	3	315	8
1178	15JUL83	12:00	337	6	320	13
1179	15JUL83	16:00	343	4	320	12
1180	15JUL83	20:00	247	0	331	3
1181	15JUL83	24:00	146	0	163	4
1182	16JUL83	4:00	157	0	95	3
1183	16JUL83	8:00	315	2	298	8
1184	16JUL83	12:00	315	3	264	6
1185	16JUL83	16:00	343	6	320	13
1186	16JUL83	20:00	309	1	303	10
1187	16JUL83	24:00	270	2	286	8
1188	17JUL83	4:00	298	4	275	7
1189	17JUL83	8:00	320	4	348	12

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4-HOUR OBSERVATIONS

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-----YR=83 MO=7-----

OBS	DATE	TIME	AVERAGE AZIMUTH (DEG.)	AVERAGE SPEED (M.P.H.)	GUST AZIMUTH (DEG.)	GUST SPEED (M.P.H.)
1190	17JUL83	12:00	309	6	343	12
1191	17JUL83	16:00	298	6	286	14
1192	17JUL83	20:00	292	6	298	13
1193	17JUL83	24:00	286	6	303	11
1194	18JUL83	4:00	270	6	281	14
1195	18JUL83	8:00	275	7	275	15
1196	18JUL83	12:00	270	7	270	14
1197	18JUL83	16:00	270	5	264	10
1198	18JUL83	20:00	225	1	247	6
1199	18JUL83	24:00	236	0	281	4
1200	19JUL83	4:00	286	4	281	8
1201	19JUL83	8:00	298	5	309	9
1202	19JUL83	12:00	315	4	264	11
1203	19JUL83	16:00	320	4	298	8
1204	19JUL83	20:00	286	0	241	5
1205	19JUL83	24:00	196	0	258	4
1206	20JUL83	4:00	118	0	151	3
1207	20JUL83	8:00	11	1	22	4
1208	20JUL83	12:00	315	4	309	11
1209	20JUL83	16:00	163	3	264	8
1210	20JUL83	20:00	163	2	230	8
1211	20JUL83	24:00	168	0	163	4
1212	21JUL83	4:00	157	0	106	1
1213	21JUL83	8:00	303	2	354	8
1214	21JUL83	12:00	292	3	309	9
1215	21JUL83	16:00	56	2	56	6
1216	21JUL83	20:00	135	0	16	2
1217	21JUL83	24:00	163	0	174	3
1218	22JUL83	4:00	219	0	331	4
1219	22JUL83	8:00	315	3	281	7
1220	22JUL83	12:00	320	4	320	9
1221	22JUL83	16:00	135	1	135	6
1222	22JUL83	20:00	174	2	163	6
1223	22JUL83	24:00	129	0	135	2
1224	23JUL83	4:00	101	1	95	5
1225	23JUL83	8:00	123	5	140	10
1226	23JUL83	12:00	118	4	123	11
1227	23JUL83	16:00	191	6	191	12
1228	23JUL83	20:00	196	5	225	10
1229	23JUL83	24:00	135	1	174	6
1230	24JUL83	4:00	56	0	5	4
1231	24JUL83	8:00	106	2	309	4
1232	24JUL83	12:00	45	2	56	10
1233	24JUL83	16:00	208	5	230	11
1234	24JUL83	20:00	202	3	202	6
1235	24JUL83	24:00	157	2	140	5
1236	25JUL83	4:00	146	0	180	4
1237	25JUL83	8:00	95	2	112	7
1238	25JUL83	12:00	292	3	253	8

SAS  
4-HOUR OBSERVATIONS

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-----YR=83 MO=7-----

OBS	DATE	TIME	AVERAGE AZIMUTH (DEG.)	AVERAGE SPEED (M. P. H.)	GUST AZIMUTH (DEG.)	GUST SPEED (M. P. H.)
1239	25JUL83	16:00	230	6	208	13
1240	25JUL83	20:00	168	1	230	5
1241	25JUL83	24:00	106	0	135	2
1242	26JUL83	4:00	163	0	129	2
1243	26JUL83	8:00	326	3	281	8
1244	26JUL83	12:00	315	3	326	6
1245	26JUL83	16:00	320	4	343	8
1246	26JUL83	20:00	286	5	270	8
1247	26JUL83	24:00	309	5	298	11
1248	27JUL83	4:00	343	3	0	8
1249	27JUL83	8:00	326	5	343	9
1250	27JUL83	12:00	320	4	0	10
1251	27JUL83	16:00	309	4	320	8
1252	27JUL83	20:00	303	2	315	6
1253	27JUL83	24:00	202	0	320	4
1254	28JUL83	4:00	219	0	0	4
1255	28JUL83	8:00	320	2	258	6
1256	28JUL83	12:00	326	3	33	9
1257	28JUL83	16:00	315	2	331	7
1258	28JUL83	20:00	230	1	281	4
1259	28JUL83	24:00	180	0	219	4
1260	29JUL83	4:00	180	0	56	2
1261	29JUL83	8:00	331	1	0	6
1262	29JUL83	12:00	275	5	298	12
1263	29JUL83	16:00	129	3	90	9
1264	29JUL83	20:00	101	0	67	3
1265	29JUL83	24:00	106	0	241	2
1266	30JUL83	4:00	129	0	151	2
1267	30JUL83	8:00	168	1	196	3
1268	30JUL83	12:00	331	0	168	3
1269	30JUL83	16:00	129	0	202	3
1270	30JUL83	20:00	151	0	253	3
1271	30JUL83	24:00	163	0	185	2
1272	31JUL83	4:00	140	0	123	2
1273	31JUL83	8:00	354	1	28	6
1274	31JUL83	12:00	309	6	275	14
1275	31JUL83	16:00	320	6	331	12
1276	31JUL83	20:00	196	4	213	9
1277	31JUL83	24:00	208	4	230	10

SAS  
4-HOUR OBSERVATIONS

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-----YR=83 MO=8-----

OBS	DATE	TIME	AVERAGE AZIMUTH (DEG.)	AVERAGE SPEED (M.P.H.)	GUST AZIMUTH (DEG.)	GUST SPEED (M.P.H.)
1278	1AUG83	4:00	247	3	281	8
1279	1AUG83	8:00	286	4	286	11
1280	1AUG83	12:00	298	3	281	12
1281	1AUG83	16:00	225	3	241	7
1282	1AUG83	20:00	73	0	337	4
1283	1AUG83	24:00	275	1	281	6
1284	2AUG83	4:00	292	3	348	11
1285	2AUG83	8:00	320	6	326	12
1286	2AUG83	12:00	331	7	326	12
1287	2AUG83	16:00	298	6	331	18
1288	2AUG83	20:00	292	4	315	11
1289	2AUG83	24:00	320	1	292	9
1290	3AUG83	4:00	326	0	0	3
1291	3AUG83	8:00	331	4	354	9
1292	3AUG83	12:00	331	5	309	12
1293	3AUG83	16:00	331	4	326	11
1294	3AUG83	20:00	196	0	219	4
1295	3AUG83	24:00	151	0	168	4
1296	4AUG83	4:00	196	1	208	5
1297	4AUG83	8:00	309	0	219	4
1298	4AUG83	12:00	331	4	343	8
1299	4AUG83	16:00	50	1	337	5
1300	4AUG83	20:00	112	0	90	2
1301	4AUG83	24:00	112	0	16	4
1302	5AUG83	4:00	118	2	135	5
1303	5AUG83	8:00	129	3	135	8
1304	5AUG83	12:00	135	2	123	6
1305	5AUG83	16:00	213	4	225	10
1306	5AUG83	20:00	354	4	16	9
1307	5AUG83	24:00	258	2	309	11
1308	6AUG83	4:00	196	0	202	3
1309	6AUG83	8:00	67	2	112	8
1310	6AUG83	12:00	112	4	123	9
1311	6AUG83	16:00	11	2	118	8
1312	6AUG83	20:00	129	1	174	8
1313	6AUG83	24:00	140	2	174	8
1314	7AUG83	4:00	129	2	157	7
1315	7AUG83	8:00	140	5	180	11
1316	7AUG83	12:00	225	6	230	15
1317	7AUG83	16:00	213	2	213	8
1318	7AUG83	20:00	146	0	191	4
1319	7AUG83	24:00	129	1	33	7
1320	8AUG83	4:00	270	3	168	10
1321	8AUG83	8:00	163	4	236	11
1322	8AUG83	12:00	168	3	213	11
1323	8AUG83	16:00	191	7	230	20
1324	8AUG83	20:00	168	6	196	19
1325	8AUG83	24:00	157	5	140	8
1326	9AUG83	4:00	309	2	258	6

SAS  
4-HOUR OBSERVATIONS

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-----YR=83 MO=8-----

OBS	DATE	TIME	AVERAGE AZIMUTH (DEG.)	AVERAGE SPEED (M.P.H.)	GUST AZIMUTH (DEG.)	GUST SPEED (M.P.H.)
1327	9AUG83	8:00	303	6	303	13
1328	9AUG83	12:00	298	6	348	11
1329	9AUG83	16:00	298	5	309	12
1330	9AUG83	20:00	241	2	236	5
1331	9AUG83	24:00	225	0	225	4
1332	10AUG83	4:00	258	0	348	6
1333	10AUG83	8:00	309	4	303	9
1334	10AUG83	12:00	326	4	315	10
1335	10AUG83	16:00	292	3	303	8
1336	10AUG83	20:00	196	1	247	3
1337	10AUG83	24:00	140	0	151	2
1338	11AUG83	4:00	106	0	230	2
1339	11AUG83	8:00	11	1	50	5
1340	11AUG83	12:00	45	3	39	8
1341	11AUG83	16:00	33	4	219	9
1342	11AUG83	20:00	163	1	236	5
1343	11AUG83	24:00	281	2	309	10
1344	12AUG83	4:00	286	6	298	10
1345	12AUG83	8:00	286	7	270	13
1346	12AUG83	12:00	331	5	320	13
1347	12AUG83	16:00	343	2	22	7
1348	12AUG83	20:00	185	0	230	2
1349	12AUG83	24:00	129	0	151	6
1350	13AUG83	4:00	123	2	163	8
1351	13AUG83	8:00	112	4	135	8
1352	13AUG83	12:00	168	3	208	11
1353	13AUG83	16:00	253	3	253	12
1354	13AUG83	20:00	354	3	0	7
1355	13AUG83	24:00	315	6	303	14
1356	14AUG83	4:00	354	2	337	9
1357	14AUG83	8:00	331	5	348	10
1358	14AUG83	12:00	331	6	5	10
1359	14AUG83	16:00	303	6	337	12
1360	14AUG83	20:00	303	5	303	9
1361	14AUG83	24:00	292	5	298	9
1362	15AUG83	4:00	315	5	292	15
1363	15AUG83	8:00	298	7	331	15
1364	15AUG83	12:00	309	6	286	15
1365	15AUG83	16:00	309	6	292	14
1366	15AUG83	20:00	292	6	298	12
1367	15AUG83	24:00	292	7	275	15
1368	16AUG83	4:00	309	6	298	11
1369	16AUG83	8:00	320	6	326	10
1370	16AUG83	12:00	281	7	275	13
1371	16AUG83	16:00	286	5	275	15
1372	16AUG83	20:00	135	0	157	2
1373	16AUG83	24:00	151	0	219	3
1374	17AUG83	4:00	95	0	5	3
1375	17AUG83	8:00	281	0	298	5

SAS  
4-HOUR OBSERVATIONS

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YR=83 MO=8

OBS	DATE	TIME	AVERAGE AZIMUTH (DEG.)	AVERAGE SPEED (M.P.H.)	GUST AZIMUTH (DEG.)	GUST SPEED (M.P.H.)
1376	17AUG83	12:00	315	4	33	11
1377	17AUG83	16:00	303	3	286	17
1378	17AUG83	20:00	241	0	213	3
1379	17AUG83	24:00	202	0	219	3
1380	18AUG83	4:00	258	0	16	3
1381	18AUG83	8:00	343	4	303	9
1382	18AUG83	12:00	298	6	275	13
1383	18AUG83	16:00	286	5	281	15
1384	18AUG83	20:00	185	0	253	4
1385	18AUG83	24:00	112	0	157	3
1386	19AUG83	4:00	101	0	129	2
1387	19AUG83	8:00	33	1	16	5
1388	19AUG83	12:00	331	4	33	8
1389	19AUG83	16:00	0	2	331	8
1390	19AUG83	20:00	185	1	213	3
1391	19AUG83	24:00	146	0	196	5
1392	20AUG83	4:00	135	2	180	7
1393	20AUG83	8:00	123	3	135	8
1394	20AUG83	12:00	191	4	258	12
1395	20AUG83	16:00	174	3	281	11
1396	20AUG83	20:00	78	1	281	8
1397	20AUG83	24:00	95	0	84	4
1398	21AUG83	4:00	213	0	208	4
1399	21AUG83	8:00	112	1	0	5
1400	21AUG83	12:00	118	2	146	5
1401	21AUG83	16:00	106	1	67	6
1402	21AUG83	20:00	135	0	185	3
1403	21AUG83	24:00	146	0	247	4
1404	22AUG83	4:00	0	0	146	3
1405	22AUG83	8:00	106	1	146	7
1406	22AUG83	12:00	331	2	343	6
1407	22AUG83	16:00	315	6	292	17
1408	22AUG83	20:00	292	5	320	16
1409	22AUG83	24:00	292	6	298	12
1410	23AUG83	4:00	281	4	298	10
1411	23AUG83	8:00	298	4	298	8
1412	23AUG83	12:00	0	2	33	9
1413	23AUG83	16:00	33	1	0	5
1414	23AUG83	20:00	67	0	95	2
1415	23AUG83	24:00	208	0	236	3
1416	24AUG83	4:00	298	2	309	9
1417	24AUG83	8:00	320	4	286	13
1418	24AUG83	12:00	354	3	11	7
1419	24AUG83	16:00	315	0	303	3
1420	24AUG83	20:00	196	0	191	2
1421	24AUG83	24:00	258	1	258	5
1422	25AUG83	4:00	303	2	286	8
1423	25AUG83	8:00	315	3	286	7
1424	25AUG83	12:00	320	3	354	6

SAS  
4-HOUR OBSERVATIONS

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OBS	DATE	TIME	AVERAGE AZIMUTH (DEG.)	AVERAGE SPEED (M. P. H.)	GUST AZIMUTH (DEG.)	GUST SPEED (M. P. H.)
1425	25AUG83	16:00	309	1	320	5
1426	25AUG83	20:00	270	0	258	2
1427	25AUG83	24:00	129	0	146	2
1428	26AUG83	4:00	281	0	33	2
1429	26AUG83	8:00	320	1	298	6
1430	26AUG83	12:00	354	2	22	6
1431	26AUG83	16:00	320	4	309	8
1432	26AUG83	20:00	326	4	309	11
1433	26AUG83	24:00	292	4	298	9
1434	27AUG83	4:00	270	2	270	8
1435	27AUG83	8:00	337	4	348	10
1436	27AUG83	12:00	303	4	348	10
1437	27AUG83	16:00	286	1	247	8
1438	27AUG83	20:00	191	0	230	4
1439	27AUG83	24:00	157	0	180	3
1440	28AUG83	4:00	135	2	157	5
1441	28AUG83	8:00	129	3	140	9
1442	28AUG83	12:00	123	2	135	9
1443	28AUG83	16:00	106	1	151	6
1444	28AUG83	20:00	140	0	157	3
1445	28AUG83	24:00	123	2	146	5
1446	29AUG83	4:00	84	2	118	7
1447	29AUG83	8:00	123	4	135	10
1448	29AUG83	12:00	140	2	135	7
1449	29AUG83	16:00	202	10	213	20
1450	29AUG83	20:00	185	4	202	13
1451	29AUG83	24:00	219	3	157	11
1452	30AUG83	4:00	247	3	230	6
1453	30AUG83	8:00	331	2	11	8
1454	30AUG83	12:00	354	3	354	7
1455	30AUG83	16:00	123	0	123	4
1456	30AUG83	20:00	275	1	258	6
1457	30AUG83	24:00	213	1	236	5
1458	31AUG83	4:00	118	0	0	0
1459	31AUG83	8:00	95	2	129	8
1460	31AUG83	12:00	118	1	180	5
1461	31AUG83	16:00	174	0	22	5
1462	31AUG83	20:00	185	0	208	3
1463	31AUG83	24:00	151	0	213	4



SAS  
4-HOUR OBSERVATIONS

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-----YR=83 MO=9-----

OBS	DATE	TIME	AVERAGE AZIMUTH (DEG.)	AVERAGE SPEED (M.P.H.)	GUST AZIMUTH (DEG.)	GUST SPEED (M.P.H.)
1464	1SEP83	4:00	106	2	101	5
1465	1SEP83	8:00	84	2	146	7
1466	1SEP83	12:00	343	1	0	5
1467	1SEP83	16:00	309	8	331	16
1468	1SEP83	20:00	298	8	298	13
1469	1SEP83	24:00	292	8	275	15
1470	2SEP83	4:00	298	5	309	11
1471	2SEP83	8:00	326	7	331	13
1472	2SEP83	12:00	326	7	0	13
1473	2SEP83	16:00	326	3	298	10
1474	2SEP83	20:00	151	0	151	2
1475	2SEP83	24:00	129	1	118	5
1476	3SEP83	4:00	118	2	140	6
1477	3SEP83	8:00	135	5	101	13
1478	3SEP83	12:00	135	4	174	11
1479	3SEP83	16:00	196	1	191	4
1480	3SEP83	20:00	286	6	286	11
1481	3SEP83	24:00	281	3	286	10
1482	4SEP83	4:00	348	2	0	6
1483	4SEP83	8:00	337	6	343	13
1484	4SEP83	12:00	315	6	292	10
1485	4SEP83	16:00	258	2	275	7
1486	4SEP83	20:00	303	2	5	5
1487	4SEP83	24:00	275	1	292	6
1488	5SEP83	4:00	106	0	95	2
1489	5SEP83	8:00	286	1	253	7
1490	5SEP83	12:00	331	5	348	16
1491	5SEP83	16:00	286	3	309	9
1492	5SEP83	20:00	275	0	219	3
1493	5SEP83	24:00	202	0	202	2
1494	6SEP83	4:00	241	0	315	6
1495	6SEP83	8:00	315	3	0	9
1496	6SEP83	12:00	309	4	275	7
1497	6SEP83	16:00	50	2	0	7
1498	6SEP83	20:00	123	1	118	4
1499	6SEP83	24:00	90	0	84	4
1500	7SEP83	4:00	140	0	146	4
1501	7SEP83	8:00	123	3	95	8
1502	7SEP83	12:00	135	3	123	8
1503	7SEP83	16:00	146	1	135	6
1504	7SEP83	20:00	146	0	163	2
1505	7SEP83	24:00	140	1	151	4
1506	8SEP83	4:00	146	1	180	4
1507	8SEP83	8:00	118	3	135	10
1508	8SEP83	12:00	56	4	33	10
1509	8SEP83	16:00	50	1	22	8
1510	8SEP83	20:00	168	0	208	2
1511	8SEP83	24:00	196	0	225	3
1512	9SEP83	4:00	157	0	225	4

SAS  
4-HOUR OBSERVATIONS

33

-----YR=83 MO=9-----

OBS	DATE	TIME	AVERAGE AZIMUTH (DEG.)	AVERAGE SPEED (M.P.H.)	GUST AZIMUTH (DEG.)	GUST SPEED (M.P.H.)
1513	9SEP83	8:00	298	1	281	7
1514	9SEP83	12:00	303	4	292	9
1515	9SEP83	16:00	281	2	275	7
1516	9SEP83	20:00	180	0	225	4
1517	9SEP83	24:00	180	0	0	0
1518	10SEP83	4:00	157	0	174	2
1519	10SEP83	8:00	67	0	22	7
1520	10SEP83	12:00	354	2	39	5
1521	10SEP83	16:00	230	0	0	4
1522	10SEP83	20:00	151	0	219	3
1523	10SEP83	24:00	185	0	0	0
1524	11SEP83	4:00	135	0	135	3
1525	11SEP83	8:00	112	0	45	5
1526	11SEP83	12:00	135	2	135	7
1527	11SEP83	16:00	213	0	135	4
1528	11SEP83	20:00	163	0	151	4
1529	11SEP83	24:00	185	0	129	3
1530	12SEP83	4:00	157	0	140	4
1531	12SEP83	8:00	101	1	140	4
1532	12SEP83	12:00	11	2	191	9
1533	12SEP83	16:00	185	4	225	14
1534	12SEP83	20:00	146	1	163	4
1535	12SEP83	24:00	151	2	157	6
1536	13SEP83	4:00	140	2	202	6
1537	13SEP83	8:00	129	3	180	10
1538	13SEP83	12:00	202	5	225	12
1539	13SEP83	16:00	146	1	174	6
1540	13SEP83	20:00	168	0	151	4
1541	13SEP83	24:00	140	2	151	7
1542	14SEP83	4:00	112	2	95	5
1543	14SEP83	8:00	281	2	337	8
1544	14SEP83	12:00	0	1	33	6
1545	14SEP83	16:00	22	0	33	4
1546	14SEP83	20:00	219	0	230	5
1547	14SEP83	24:00	320	1	309	5
1548	15SEP83	4:00	286	3	264	7
1549	15SEP83	8:00	315	6	337	10
1550	15SEP83	12:00	315	6	337	10
1551	15SEP83	16:00	326	6	315	14
1552	15SEP83	20:00	303	4	258	8
1553	15SEP83	24:00	286	6	298	10
1554	16SEP83	4:00	286	5	258	9
1555	16SEP83	8:00	303	4	286	10
1556	16SEP83	12:00	326	5	331	10
1557	16SEP83	16:00	320	3	281	8
1558	16SEP83	20:00	185	1	219	4
1559	16SEP83	24:00	163	0	146	3
1560	17SEP83	4:00	163	0	112	3
1561	17SEP83	8:00	151	0	348	6

SAS  
4-HOUR OBSERVATIONS

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-----YR=83 MO=9-----

OBS	DATE	TIME	AVERAGE AZIMUTH (DEG.)	AVERAGE SPEED (M. P. H.)	GUST AZIMUTH (DEG.)	GUST SPEED (M. P. H.)
1562	17SEP83	12:00	0	4	22	8
1563	17SEP83	16:00	348	3	22	6
1564	17SEP83	20:00	202	0	213	3
1565	17SEP83	24:00	157	1	151	4
1566	18SEP83	4:00	135	0	230	4
1567	18SEP83	8:00	140	1	151	6
1568	18SEP83	12:00	112	4	106	9
1569	18SEP83	16:00	135	2	123	8
1570	18SEP83	20:00	135	0	123	3
1571	18SEP83	24:00	129	2	151	6
1572	19SEP83	4:00	146	3	140	11
1573	19SEP83	8:00	135	3	129	8
1574	19SEP83	12:00	140	4	135	9
1575	19SEP83	16:00	123	3	140	16
1576	19SEP83	20:00	95	2	78	8
1577	19SEP83	24:00	118	7	135	21
1578	20SEP83	4:00	129	4	146	11
1579	20SEP83	8:00	135	5	151	11
1580	20SEP83	12:00	123	6	146	11
1581	20SEP83	16:00	118	4	140	12
1582	20SEP83	20:00	129	2	112	8
1583	20SEP83	24:00	236	0	219	4
1584	21SEP83	4:00	230	0	219	3
1585	21SEP83	8:00	95	0	326	3
1586	21SEP83	12:00	0	0	354	2
1587	21SEP83	16:00	331	2	331	5
1588	21SEP83	20:00	303	3	348	11
1589	21SEP83	24:00	309	5	320	11
1590	22SEP83	4:00	298	5	275	11
1591	22SEP83	8:00	281	2	281	8
1592	22SEP83	12:00	309	7	286	16
1593	22SEP83	16:00	292	8	298	15
1594	22SEP83	20:00	303	5	292	12
1595	22SEP83	24:00	286	0	0	0
1596	23SEP83	4:00	292	0	0	0
1597	23SEP83	8:00	298	0	0	0
1598	23SEP83	12:00	303	0	0	0
1599	23SEP83	16:00	309	0	0	0
1600	23SEP83	20:00	309	0	0	0
1601	23SEP83	24:00	292	0	0	0
1602	24SEP83	4:00	292	0	0	0
1603	24SEP83	8:00	298	0	0	0
1604	24SEP83	12:00	298	0	0	0
1605	24SEP83	16:00	298	0	0	0
1606	24SEP83	20:00	303	0	0	0
1607	24SEP83	24:00	315	0	0	0
1608	25SEP83	4:00	320	0	0	0
1609	25SEP83	8:00	315	0	0	0
1610	25SEP83	12:00	315	0	0	0

SAS  
4-HOUR OBSERVATIONS

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-----YR=83 MO=9-----

OBS	DATE	TIME	AVERAGE AZIMUTH (DEG.)	AVERAGE SPEED (M. P. H.)	GUST AZIMUTH (DEG.)	GUST SPEED (M. P. H.)
1611	25SEP83	16:00	331	0	0	0
1612	25SEP83	20:00	264	0	0	0
1613	25SEP83	24:00	191	0	0	0
1614	26SEP83	4:00	123	0	0	0
1615	26SEP83	8:00	140	0	0	0
1616	26SEP83	12:00	95	2	95	8
1617	26SEP83	16:00	118	2	33	8
1618	26SEP83	20:00	157	2	140	6
1619	26SEP83	24:00	151	2	146	7
1620	27SEP83	4:00	146	2	129	7
1621	27SEP83	8:00	123	6	151	17
1622	27SEP83	12:00	135	7	112	18
1623	27SEP83	16:00	123	5	95	11
1624	27SEP83	20:00	129	4	151	12
1625	27SEP83	24:00	146	6	135	15
1626	28SEP83	4:00	140	6	129	15
1627	28SEP83	8:00	123	6	112	15
1628	28SEP83	12:00	129	7	123	16
1629	28SEP83	16:00	129	5	140	11
1630	28SEP83	20:00	101	2	95	7
1631	28SEP83	24:00	101	4	140	12
1632	29SEP83	4:00	129	6	112	14
1633	29SEP83	8:00	146	7	146	19
1634	29SEP83	12:00	129	6	95	14
1635	29SEP83	16:00	106	6	157	13
1636	29SEP83	20:00	118	5	129	12
1637	29SEP83	24:00	106	4	95	9
1638	30SEP83	4:00	140	4	163	11
1639	30SEP83	8:00	135	4	95	9
1640	30SEP83	12:00	78	3	101	9
1641	30SEP83	16:00	106	0	253	3
1642	30SEP83	20:00	258	5	292	13
1643	30SEP83	24:00	264	5	320	12

-----YR=83 MO=10-----

OBS	DATE	TIME	AVERAGE AZIMUTH (DEG.)	AVERAGE SPEED (M. P. H.)	GUST AZIMUTH (DEG.)	GUST SPEED (M. P. H.)
1644	1OCT83	4:00	281	3	298	8
1645	1OCT83	8:00	275	2	258	6
1646	1OCT83	12:00	303	3	275	6
1647	1OCT83	16:00	50	0	33	4
1648	1OCT83	20:00	106	0	213	3
1649	1OCT83	24:00	112	2	95	6
1650	2OCT83	4:00	286	0	0	5
1651	2OCT83	8:00	309	1	286	3

SAS  
4-HOUR OBSERVATIONS

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-----YR=83 MO=10-----

OBS	DATE	TIME	AVERAGE AZIMUTH (DEG.)	AVERAGE SPEED (M. P. H.)	GUST AZIMUTH (DEG.)	GUST SPEED (M. P. H.)
1652	20CT83	12:00	354	3	303	10
1653	20CT83	16:00	298	7	275	14
1654	20CT83	20:00	286	9	315	19
1655	20CT83	24:00	298	8	275	15
1656	30CT83	4:00	298	5	247	12
1657	30CT83	8:00	292	6	315	12
1658	30CT83	12:00	303	6	343	11
1659	30CT83	16:00	309	5	320	12
1660	30CT83	20:00	298	5	281	12
1661	30CT83	24:00	303	4	315	12
1662	40CT83	4:00	292	4	320	8
1663	40CT83	8:00	298	4	270	9
1664	40CT83	12:00	309	3	337	7
1665	40CT83	16:00	168	1	258	4
1666	40CT83	20:00	106	0	101	4
1667	40CT83	24:00	101	2	140	5
1668	50CT83	4:00	123	4	129	8
1669	50CT83	8:00	118	3	146	11
1670	50CT83	12:00	135	4	90	9
1671	50CT83	16:00	118	3	135	11
1672	50CT83	20:00	348	0	33	3
1673	50CT83	24:00	275	1	264	6
1674	60CT83	4:00	315	6	315	12
1675	60CT83	8:00	281	5	326	11
1676	60CT83	12:00	298	4	275	8
1677	60CT83	16:00	286	3	140	8
1678	60CT83	20:00	275	4	0	14
1679	60CT83	24:00	286	7	0	13
1680	70CT83	4:00	292	6	0	32
1681	70CT83	8:00	129	1	112	6
1682	70CT83	12:00	112	4	140	7
1683	70CT83	16:00	101	1	90	6
1684	70CT83	20:00	140	2	135	6
1685	70CT83	24:00	140	4	129	11
1686	80CT83	4:00	135	6	140	13
1687	80CT83	8:00	135	8	157	21
1688	80CT83	12:00	129	6	168	12
1689	80CT83	16:00	129	5	135	12
1690	80CT83	20:00	123	5	140	11
1691	80CT83	24:00	101	4	135	14
1692	90CT83	4:00	135	6	118	14
1693	90CT83	8:00	123	6	129	14
1694	90CT83	12:00	129	6	135	15
1695	90CT83	16:00	123	4	56	11
1696	90CT83	20:00	180	3	247	9
1697	90CT83	24:00	45	1	22	4
1698	100CT83	4:00	163	0	236	4
1699	100CT83	8:00	118	3	129	10
1700	100CT83	12:00	151	8	196	21

SAS  
4-HOUR OBSERVATIONS

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-----YR=83 MO=10-----

OBS	DATE	TIME	AVERAGE AZIMUTH (DEG.)	AVERAGE SPEED (M. P. H.)	GUST AZIMUTH (DEG.)	GUST SPEED (M. P. H.)
1701	10OCT83	16:00	320	5	354	18
1702	10OCT83	20:00	303	4	315	13
1703	10OCT83	24:00	219	0	286	4
1704	11OCT83	4:00	123	0	0	0
1705	11OCT83	8:00	112	0	0	0
1706	11OCT83	12:00	129	0	0	0
1707	11OCT83	16:00	168	0	0	0
1708	11OCT83	20:00	123	0	0	0
1709	11OCT83	24:00	281	0	303	8
1710	12OCT83	4:00	275	0	275	4
1711	12OCT83	8:00	270	0	298	3
1712	12OCT83	12:00	320	2	320	6
1713	12OCT83	16:00	219	1	264	4
1714	12OCT83	20:00	129	0	0	0
1715	12OCT83	24:00	135	0	0	0
1716	13OCT83	4:00	140	0	0	0
1717	13OCT83	8:00	140	0	0	0
1718	13OCT83	12:00	123	3	118	8
1719	13OCT83	16:00	106	1	118	5
1720	13OCT83	20:00	140	1	163	4
1721	13OCT83	24:00	123	1	112	4
1722	14OCT83	4:00	140	1	168	3
1723	14OCT83	8:00	135	2	163	6
1724	14OCT83	12:00	118	4	95	12
1725	14OCT83	16:00	118	3	106	9
1726	14OCT83	20:00	157	1	157	3
1727	14OCT83	24:00	163	2	112	6
1728	15OCT83	4:00	157	3	163	6
1729	15OCT83	8:00	140	3	106	8
1730	15OCT83	12:00	118	7	163	17
1731	15OCT83	16:00	118	5	112	10
1732	15OCT83	20:00	129	5	135	14
1733	15OCT83	24:00	129	5	90	12
1734	16OCT83	4:00	123	5	129	11
1735	16OCT83	8:00	118	3	135	12
1736	16OCT83	12:00	135	4	180	10
1737	16OCT83	16:00	135	1	106	7
1738	16OCT83	20:00	208	0	213	3
1739	16OCT83	24:00	180	0	0	0
1740	17OCT83	4:00	225	0	303	5
1741	17OCT83	8:00	315	2	326	5
1742	17OCT83	12:00	326	4	354	8
1743	17OCT83	16:00	315	4	309	8
1744	17OCT83	20:00	343	5	348	10
1745	17OCT83	24:00	343	5	0	10
1746	18OCT83	4:00	337	4	337	9
1747	18OCT83	8:00	343	4	326	8
1748	18OCT83	12:00	331	4	343	10
1749	18OCT83	16:00	320	2	309	7

SAS  
4-HOUR OBSERVATIONS

-----YR=83 MO=10-----						
OBS	DATE	TIME	AVERAGE AZIMUTH (DEG.)	AVERAGE SPEED (M.P.H.)	GUST AZIMUTH (DEG.)	GUST SPEED (M.P.H.)
1750	18OCT83	20:00	247	0	225	2
1751	18OCT83	24:00	202	0	225	2
1752	19OCT83	4:00	191	0	33	2
1753	19OCT83	8:00	275	0	28	3
1754	19OCT83	12:00	354	1	354	4
1755	19OCT83	16:00	309	1	270	5
1756	19OCT83	20:00	16	2	129	5
1757	19OCT83	24:00	337	3	320	6
1758	20OCT83	4:00	331	1	315	5
1759	20OCT83	8:00	5	1	11	4
1760	20OCT83	12:00	320	2	292	5
1761	20OCT83	16:00	270	1	16	5
1762	20OCT83	20:00	315	0	315	5
1763	20OCT83	24:00	348	0	50	3
1764	21OCT83	4:00	343	0	270	3
1765	21OCT83	8:00	331	0	236	2
1766	21OCT83	12:00	337	1	275	4
1767	21OCT83	16:00	286	1	286	7
1768	21OCT83	20:00	298	0	326	6
1769	21OCT83	24:00	0	2	315	7
1770	22OCT83	4:00	326	2	309	6
1771	22OCT83	8:00	0	0	22	3
1772	22OCT83	12:00	140	1	230	4
1773	22OCT83	16:00	11	1	5	4
1774	22OCT83	20:00	331	0	28	3
1775	22OCT83	24:00	11	1	343	4
1776	23OCT83	4:00	39	0	50	2
1777	23OCT83	8:00	320	2	326	6
1778	23OCT83	12:00	315	3	303	7
1779	23OCT83	16:00	337	3	315	6
1780	23OCT83	20:00	331	6	343	13
1781	23OCT83	24:00	309	5	270	12
1782	24OCT83	4:00	303	3	309	9
1783	24OCT83	8:00	258	1	309	4
1784	24OCT83	12:00	309	5	320	8
1785	24OCT83	16:00	286	2	348	8
1786	24OCT83	20:00	213	0	236	2
1787	24OCT83	24:00	157	0	0	0
1788	25OCT83	4:00	106	0	112	4
1789	25OCT83	8:00	118	0	67	7
1790	25OCT83	12:00	118	2	129	15
1791	25OCT83	16:00	123	6	140	14
1792	25OCT83	20:00	129	8	180	20
1793	25OCT83	24:00	135	8	140	20
1794	26OCT83	4:00	106	5	118	11
1795	26OCT83	8:00	135	6	140	16
1796	26OCT83	12:00	123	6	168	15
1797	26OCT83	16:00	106	6	90	14
1798	26OCT83	20:00	118	5	56	17

SAS  
4-HOUR OBSERVATIONS

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-----YR=83 MO=10-----

OBS	DATE	TIME	AVERAGE AZIMUTH (DEG.)	AVERAGE SPEED (M. P. H.)	GUST AZIMUTH (DEG.)	GUST SPEED (M. P. H.)
1799	26OCT83	24:00	106	3	101	11
1800	27OCT83	4:00	174	2	123	5
1801	27OCT83	8:00	337	1	326	5
1802	27OCT83	12:00	326	2	337	8
1803	27OCT83	16:00	292	2	298	6
1804	27OCT83	20:00	343	1	270	6
1805	27OCT83	24:00	196	0	286	2
1806	28OCT83	4:00	5	0	39	4
1807	28OCT83	8:00	320	1	281	5
1808	28OCT83	12:00	303	0	303	4
1809	28OCT83	16:00	292	0	230	3
1810	28OCT83	20:00	247	0	219	3
1811	28OCT83	24:00	337	0	343	4
1812	29OCT83	4:00	50	0	320	2
1813	29OCT83	8:00	135	0	0	2
1814	29OCT83	12:00	315	0	292	4
1815	29OCT83	16:00	264	0	303	3
1816	29OCT83	20:00	208	0	225	3
1817	29OCT83	24:00	180	0	225	5
1818	30OCT83	4:00	185	1	135	6
1819	30OCT83	8:00	129	4	112	10
1820	30OCT83	12:00	135	7	112	20
1821	30OCT83	16:00	129	8	140	18
1822	30OCT83	20:00	292	6	140	15
1823	30OCT83	24:00	343	4	303	9
1824	31OCT83	4:00	56	0	0	3
1825	31OCT83	8:00	118	3	129	8
1826	31OCT83	12:00	140	4	84	10
1827	31OCT83	16:00	112	6	135	11
1828	31OCT83	20:00	112	5	118	13
1829	31OCT83	24:00	112	5	118	12

-----YR=83 MO=11-----

OBS	DATE	TIME	AVERAGE AZIMUTH (DEG.)	AVERAGE SPEED (M. P. H.)	GUST AZIMUTH (DEG.)	GUST SPEED (M. P. H.)
1830	1NOV83	4:00	118	7	129	18
1831	1NOV83	8:00	129	7	84	15
1832	1NOV83	12:00	123	8	129	19
1833	1NOV83	16:00	101	5	90	16
1834	1NOV83	20:00	135	7	135	14
1835	1NOV83	24:00	112	4	129	10
1836	2NOV83	4:00	90	3	118	8
1837	2NOV83	8:00	84	4	106	10
1838	2NOV83	12:00	118	5	78	9
1839	2NOV83	16:00	185	3	191	6



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4-HOUR OBSERVATIONS

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YR=83 MO=11

OBS	DATE	TIME	AVERAGE AZIMUTH (DEG.)	AVERAGE SPEED (M.P.H.)	CUST AZIMUTH (DEG.)	GUST SPEED (M.P.H.)
1840	2NOV83	20:00	168	4	180	9
1841	2NOV83	24:00	168	4	174	8
1842	3NOV83	4:00	90	0	343	3
1843	3NOV83	8:00	140	0	135	2
1844	3NOV83	12:00	281	0	0	0
1845	3NOV83	16:00	22	0	326	2
1846	3NOV83	20:00	286	0	264	1
1847	3NOV83	24:00	286	0	270	2
1848	4NOV83	4:00	309	1	331	3
1849	4NOV83	8:00	11	0	0	1
1850	4NOV83	12:00	11	0	320	2
1851	4NOV83	16:00	236	0	247	1
1852	4NOV83	20:00	106	0	163	2
1853	4NOV83	24:00	151	0	140	3
1854	5NOV83	4:00	106	1	84	6
1855	5NOV83	8:00	112	5	151	11
1856	5NOV83	12:00	135	6	140	14
1857	5NOV83	16:00	135	6	106	13
1858	5NOV83	20:00	135	7	135	15
1859	5NOV83	24:00	129	7	118	14
1860	6NOV83	4:00	135	8	140	17
1861	6NOV83	8:00	129	9	123	18
1862	6NOV83	12:00	135	9	118	17
1863	6NOV83	16:00	140	8	118	16
1864	6NOV83	20:00	123	7	146	16
1865	6NOV83	24:00	123	8	140	20
1866	7NOV83	4:00	135	8	151	17
1867	7NOV83	8:00	146	8	140	17
1868	7NOV83	12:00	118	7	118	22
1869	7NOV83	16:00	118	7	101	17
1870	7NOV83	20:00	129	7	135	19
1871	7NOV83	24:00	90	8	118	17
1872	8NOV83	4:00	106	8	84	21
1873	8NOV83	8:00	101	8	90	17
1874	8NOV83	12:00	118	7	146	19
1875	8NOV83	16:00	118	8	84	20
1876	8NOV83	20:00	129	9	146	26
1877	8NOV83	24:00	123	10	123	19
1878	9NOV83	4:00	129	8	112	28
1879	9NOV83	8:00	118	8	118	21
1880	9NOV83	12:00	118	7	106	14
1881	9NOV83	16:00	129	6	101	14
1882	9NOV83	20:00	112	6	129	15
1883	9NOV83	24:00	112	7	129	15
1884	10NOV83	4:00	95	8	118	17
1885	10NOV83	8:00	118	8	157	18
1886	10NOV83	12:00	118	9	90	20
1887	10NOV83	16:00	118	9	118	22
1888	10NOV83	20:00	112	7	118	17

SAS  
4-HOUR OBSERVATIONS

-----YR=83 MO=11-----						
OBS	DATE	TIME	AVERAGE AZIMUTH (DEG.)	AVERAGE SPEED (M.P.H.)	GUST AZIMUTH (DEG.)	GUST SPEED (M.P.H.)
1889	10NOV83	24:00	123	6	123	14
1890	11NOV83	4:00	118	5	140	13
1891	11NOV83	8:00	129	5	140	12
1892	11NOV83	12:00	129	6	101	15
1893	11NOV83	16:00	135	5	168	10
1894	11NOV83	20:00	123	3	157	7
1895	11NOV83	24:00	112	3	118	9
1896	12NOV83	4:00	106	4	118	8
1897	12NOV83	8:00	106	4	112	10
1898	12NOV83	12:00	129	4	118	12
1899	12NOV83	16:00	112	5	168	10
1900	12NOV83	20:00	90	4	67	9
1901	12NOV83	24:00	112	4	118	12
1902	13NOV83	4:00	135	2	140	7
1903	13NOV83	8:00	135	2	140	6
1904	13NOV83	12:00	135	4	84	8
1905	13NOV83	16:00	140	4	157	9
1906	13NOV83	20:00	151	5	140	11
1907	13NOV83	24:00	129	5	106	12
1908	14NOV83	4:00	129	6	135	22
1909	14NOV83	8:00	129	6	118	13
1910	14NOV83	12:00	123	8	135	19
1911	14NOV83	16:00	123	6	163	15
1912	14NOV83	20:00	123	6	135	17
1913	14NOV83	24:00	106	6	90	14
1914	15NOV83	4:00	112	5	123	14
1915	15NOV83	8:00	129	7	129	16
1916	15NOV83	12:00	129	7	106	20
1917	15NOV83	16:00	140	5	118	18
1918	15NOV83	20:00	140	6	112	11
1919	15NOV83	24:00	135	7	157	17
1920	16NOV83	4:00	135	5	146	12
1921	16NOV83	8:00	123	5	163	12
1922	16NOV83	12:00	123	6	118	15
1923	16NOV83	16:00	129	6	151	16
1924	16NOV83	20:00	123	5	146	17
1925	16NOV83	24:00	118	6	106	11
1926	17NOV83	4:00	123	7	146	17
1927	17NOV83	8:00	118	5	123	17
1928	17NOV83	12:00	118	7	123	15
1929	17NOV83	16:00	106	5	168	16
1930	17NOV83	20:00	112	5	146	13
1931	17NOV83	24:00	106	4	191	8
1932	18NOV83	4:00	112	4	123	9
1933	18NOV83	8:00	101	4	118	8
1934	18NOV83	12:00	129	4	129	9
1935	18NOV83	16:00	101	4	118	9
1936	18NOV83	20:00	118	4	129	10
1937	18NOV83	24:00	118	4	123	11

SAS  
4-HOUR OBSERVATIONS

-----MO=11-----YR=83-----

OBS	DATE	TIME	AVERAGE AZIMUTH (DEG.)	AVERAGE SPEED (M.P.H.)	GUST AZIMUTH (DEG.)	GUST SPEED (M.P.H.)
1938	19NOV83	4:00	118	5	118	13
1939	19NOV83	8:00	157	10	140	17
1940	19NOV83	12:00	140	8	163	17
1941	19NOV83	16:00	129	6	140	17
1942	19NOV83	20:00	123	8	106	23
1943	19NOV83	24:00	135	6	123	17
1944	20NOV83	4:00	129	7	151	17
1945	20NOV83	8:00	140	8	84	24
1946	20NOV83	12:00	129	8	101	22
1947	20NOV83	16:00	135	7	140	19
1948	20NOV83	20:00	101	7	95	18
1949	20NOV83	24:00	118	6	95	14
1950	21NOV83	4:00	123	7	106	17
1951	21NOV83	8:00	135	8	157	16
1952	21NOV83	12:00	140	8	163	19
1953	21NOV83	16:00	123	6	118	15
1954	21NOV83	20:00	123	8	140	17
1955	21NOV83	24:00	123	5	106	12
1956	22NOV83	4:00	135	3	140	9
1957	22NOV83	8:00	106	1	101	5
1958	22NOV83	12:00	196	0	241	3
1959	22NOV83	16:00	180	0	241	1
1960	22NOV83	20:00	185	0	0	0
1961	22NOV83	24:00	11	0	0	0
1962	23NOV83	4:00	135	0	0	0
1963	23NOV83	8:00	84	0	0	0
1964	23NOV83	12:00	146	0	0	0
1965	23NOV83	16:00	140	0	78	2
1966	23NOV83	20:00	135	0	129	4
1967	23NOV83	24:00	118	3	135	10
1968	24NOV83	4:00	123	6	123	17
1969	24NOV83	8:00	129	8	84	19
1970	24NOV83	12:00	140	8	146	19
1971	24NOV83	16:00	129	8	140	21
1972	24NOV83	20:00	135	8	112	23
1973	24NOV83	24:00	129	6	140	22
1974	25NOV83	4:00	118	6	146	17
1975	25NOV83	8:00	135	6	123	18
1976	25NOV83	12:00	123	7	95	18
1977	25NOV83	16:00	135	7	151	16
1978	25NOV83	20:00	135	6	157	15
1979	25NOV83	24:00	123	8	106	17
1980	26NOV83	4:00	129	6	140	16
1981	26NOV83	8:00	112	6	112	15
1982	26NOV83	12:00	118	9	123	20
1983	26NOV83	16:00	129	8	135	21
1984	26NOV83	20:00	106	7	67	18
1985	26NOV83	24:00	146	9	140	18
1986	27NOV83	4:00	146	8	157	20

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4-HOUR OBSERVATIONS

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-----YR=83 MO=11-----

OBS	DATE	TIME	AVERAGE AZIMUTH (DEG.)	AVERAGE SPEED (M.P.H.)	GUST AZIMUTH (DEG.)	GUST SPEED (M.P.H.)
1987	27NOV83	8:00	129	6	106	16
1988	27NOV83	12:00	129	8	151	18
1989	27NOV83	16:00	151	9	151	23
1990	27NOV83	20:00	140	8	146	19
1991	27NOV83	24:00	140	8	168	17
1992	28NOV83	4:00	140	9	151	18
1993	28NOV83	8:00	146	10	118	18
1994	28NOV83	12:00	146	9	157	19
1995	28NOV83	16:00	129	8	123	27
1996	28NOV83	20:00	135	10	101	23
1997	28NOV83	24:00	140	9	151	20
1998	29NOV83	4:00	135	10	146	18
1999	29NOV83	8:00	123	6	123	23
2000	29NOV83	12:00	123	6	123	23
2001	29NOV83	16:00	123	7	129	21
2002	29NOV83	20:00	140	8	118	20
2003	29NOV83	24:00	123	7	106	16
2004	30NOV83	4:00	146	8	146	17
2005	30NOV83	8:00	129	7	157	19
2006	30NOV83	12:00	129	8	135	21
2007	30NOV83	16:00	123	7	129	21
2008	30NOV83	20:00	140	8	118	20
2009	30NOV83	24:00	123	7	106	16

-----YR=83 MO=12-----

OBS	DATE	TIME	AVERAGE AZIMUTH (DEG.)	AVERAGE SPEED (M.P.H.)	GUST AZIMUTH (DEG.)	GUST SPEED (M.P.H.)
2010	1DEC83	4:00	146	8	146	17
2011	1DEC83	8:00	129	7	157	19
2012	1DEC83	12:00	129	8	135	21
2013	1DEC83	16:00	135	7	135	16
2014	1DEC83	20:00	135	6	106	17
2015	1DEC83	24:00	129	7	180	15
2016	2DEC83	4:00	129	6	106	13
2017	2DEC83	8:00	129	5	140	12
2018	2DEC83	12:00	123	5	106	10
2019	2DEC83	16:00	112	3	146	9
2020	2DEC83	20:00	101	2	95	7
2021	2DEC83	24:00	106	1	95	5
2022	3DEC83	4:00	118	0	129	3
2023	3DEC83	8:00	95	1	101	3
2024	3DEC83	12:00	112	2	129	6
2025	3DEC83	16:00	106	2	140	7
2026	3DEC83	20:00	106	2	123	6
2027	3DEC83	24:00	129	1	157	10

SAS  
4-HOUR OBSERVATIONS

-----YR=83 MD=12-----						
OBS	DATE	TIME	AVERAGE AZIMUTH (DEG.)	AVERAGE SPEED (M.P.H.)	GUST AZIMUTH (DEG.)	GUST SPEED (M.P.H.)
2028	4DEC83	4:00	106	0	0	0
2029	4DEC83	8:00	112	0	0	0
2030	4DEC83	12:00	112	0	123	6
2031	4DEC83	16:00	118	5	135	10
2032	4DEC83	20:00	118	5	84	10
2033	4DEC83	24:00	140	4	140	8
2034	5DEC83	4:00	129	3	140	7
2035	5DEC83	8:00	118	3	106	7
2036	5DEC83	12:00	112	3	135	8
2037	5DEC83	16:00	95	3	118	7
2038	5DEC83	20:00	118	4	123	10
2039	5DEC83	24:00	112	5	67	10
2040	6DEC83	4:00	95	5	84	11
2041	6DEC83	8:00	101	4	112	8
2042	6DEC83	12:00	135	5	151	13
2043	6DEC83	16:00	118	7	123	16
2044	6DEC83	20:00	123	6	157	13
2045	6DEC83	24:00	129	6	90	15
2046	7DEC83	4:00	123	7	135	17
2047	7DEC83	8:00	129	8	140	15
2048	7DEC83	12:00	135	8	157	18
2049	7DEC83	16:00	123	7	118	15
2050	7DEC83	20:00	123	6	112	15
2051	7DEC83	24:00	123	7	112	12
2052	8DEC83	4:00	123	6	129	17
2053	8DEC83	8:00	118	8	146	21
2054	8DEC83	12:00	112	8	112	17
2055	8DEC83	16:00	112	7	112	17
2056	8DEC83	20:00	112	7	112	24
2057	8DEC83	24:00	112	7	135	19
2058	9DEC83	4:00	118	7	118	15
2059	9DEC83	8:00	129	6	129	13
2060	9DEC83	12:00	129	5	123	12
2061	9DEC83	16:00	123	5	95	17
2062	9DEC83	20:00	129	6	106	19
2063	9DEC83	24:00	123	6	112	16
2064	10DEC83	4:00	129	6	157	13
2065	10DEC83	8:00	123	6	101	16
2066	10DEC83	12:00	112	6	146	16
2067	10DEC83	16:00	129	6	140	19
2068	10DEC83	20:00	123	9	146	16
2069	10DEC83	24:00	129	6	112	23
2070	11DEC83	4:00	118	6	95	17
2071	11DEC83	8:00	115	7	123	17
2072	11DEC83	12:00	118	6	90	18
2073	11DEC83	16:00	123	6	90	20
2074	11DEC83	20:00	118	7	146	23
2075	11DEC83	24:00	118	5	151	13
2076	12DEC83	4:00	135	6	118	16

SAS  
4-HOUR OBSERVATIONS

-----YR=83 MO=12-----

OBS	DATE	TIME	AVERAGE AZIMUTH (DEG.)	AVERAGE SPEED (M.P.H.)	GUST AZIMUTH (DEG.)	GUST SPEED (M.P.H.)
2077	12DEC83	8:00	118	7	157	18
2078	12DEC83	12:00	106	7	106	20
2079	12DEC83	16:00	118	6	112	20
2080	12DEC83	20:00	123	7	95	16
2081	12DEC83	24:00	123	6	73	15
2082	13DEC83	4:00	123	7	140	20
2083	13DEC83	8:00	118	7	118	17
2084	13DEC83	12:00	135	6	112	17
2085	13DEC83	16:00	123	6	135	17
2086	13DEC83	20:00	123	6	123	12
2087	13DEC83	24:00	106	6	140	15
2088	14DEC83	4:00	118	4	118	11
2089	14DEC83	8:00	157	1	123	4
2090	14DEC83	12:00	157	0	196	3
2091	14DEC83	16:00	326	0	320	1
2092	14DEC83	20:00	33	0	0	0
2093	14DEC83	24:00	90	0	146	3
2094	15DEC83	4:00	101	0	163	4
2095	15DEC83	8:00	129	3	157	9
2096	15DEC83	12:00	129	6	112	14
2097	15DEC83	16:00	123	5	140	12
2098	15DEC83	20:00	118	6	146	14
2099	15DEC83	24:00	129	6	101	16
2100	16DEC83	4:00	118	8	106	13
2101	16DEC83	8:00	106	6	101	15
2102	16DEC83	12:00	135	6	78	12
2103	16DEC83	16:00	140	5	168	12
2104	16DEC83	20:00	123	4	123	11
2105	16DEC83	24:00	135	6	118	13
2106	17DEC83	4:00	123	6	146	17
2107	17DEC83	8:00	135	8	135	20
2108	17DEC83	12:00	123	8	135	19
2109	17DEC83	16:00	129	8	112	17
2110	17DEC83	20:00	123	7	146	19
2111	17DEC83	24:00	129	8	118	19
2112	18DEC83	4:00	129	7	157	14
2113	18DEC83	8:00	123	4	56	8
2114	18DEC83	12:00	135	1	129	6
2115	18DEC83	16:00	140	0	191	3
2116	18DEC83	20:00	146	4	157	9
2117	18DEC83	24:00	129	6	101	15
2118	19DEC83	4:00	118	6	135	13
2119	19DEC83	8:00	123	6	129	14
2120	19DEC83	12:00	112	6	95	15
2121	19DEC83	16:00	129	7	140	17
2122	19DEC83	20:00	118	8	123	17
2123	19DEC83	24:00	112	7	129	20
2124	20DEC83	4:00	129	7	73	15
2125	20DEC83	8:00	123	9	129	19

SAS  
4-HOUR OBSERVATIONS

-----YR=83 MO=12-----

OBS	DATE	TIME	AVERAGE AZIMUTH (DEG.)	AVERAGE SPEED (M.P.H.)	GUST AZIMUTH (DEG.)	GUST SPEED (M.P.H.)
2126	20DEC83	12:00	129	9	129	21
2127	20DEC83	16:00	129	10	123	20
2128	20DEC83	20:00	135	8	174	18
2129	20DEC83	24:00	135	7	123	14
2130	21DEC83	4:00	129	7	157	16
2131	21DEC83	8:00	135	8	129	18
2132	21DEC83	12:00	129	8	112	19
2133	21DEC83	16:00	135	9	146	21
2134	21DEC83	20:00	135	8	112	17
2135	21DEC83	24:00	135	8	174	17
2136	22DEC83	4:00	135	8	135	22
2137	22DEC83	8:00	123	7	140	15
2138	22DEC83	12:00	118	8	123	19
2139	22DEC83	16:00	129	9	157	23
2140	22DEC83	20:00	123	8	135	17
2141	22DEC83	24:00	112	6	146	13
2142	23DEC83	4:00	112	5	84	14
2143	23DEC83	8:00	112	5	123	12
2144	23DEC83	12:00	123	6	123	13
2145	23DEC83	16:00	129	5	123	13
2146	23DEC83	20:00	135	4	112	10
2147	23DEC83	24:00	140	3	129	7
2148	24DEC83	4:00	146	4	118	8
2149	24DEC83	8:00	146	2	129	8
2150	24DEC83	12:00	129	1	118	7
2151	24DEC83	16:00	135	1	261	3
2152	24DEC83	20:00	174	0	174	4
2153	24DEC83	24:00	202	0	101	2
2154	25DEC83	4:00	118	0	185	2
2155	25DEC83	8:00	129	2	157	6
2156	25DEC83	12:00	129	4	78	8
2157	25DEC83	16:00	146	5	168	10
2158	25DEC83	20:00	135	6	140	12
2159	25DEC83	24:00	123	5	135	12
2160	26DEC83	4:00	129	6	135	18
2161	26DEC83	8:00	140	6	140	12
2162	26DEC83	12:00	135	7	135	15
2163	26DEC83	16:00	106	5	157	15
2164	26DEC83	20:00	123	6	95	15
2165	26DEC83	24:00	129	6	112	14
2166	27DEC83	4:00	118	5	129	11
2167	27DEC83	8:00	118	6	129	15
2168	27DEC83	12:00	123	6	129	15
2169	27DEC83	16:00	123	7	112	18
2170	27DEC83	20:00	118	5	135	12
2171	27DEC83	24:00	112	7	129	17
2172	28DEC83	4:00	118	7	112	17
2173	28DEC83	8:00	129	8	135	18
2174	28DEC83	12:00	123	6	101	17

SAS  
4-HOUR OBSERVATIONS

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-----YR=83 MO=12-----

OBS	DATE	TIME	AVERAGE AZIMUTH (DEG.)	AVERAGE SPEED (M.P.H.)	GUST AZIMUTH (DEG.)	GUST SPEED (M.P.H.)
2175	28DEC83	16:00	118	4	118	11
2176	28DEC83	20:00	123	6	101	15
2177	28DEC83	24:00	129	8	135	20
2178	29DEC83	4:00	123	6	129	13
2179	29DEC83	8:00	112	5	146	11
2180	29DEC83	12:00	112	6	118	19
2181	29DEC83	16:00	112	5	118	12
2182	29DEC83	20:00	112	5	135	13
2183	29DEC83	24:00	129	6	146	13
2184	30DEC83	4:00	118	6	106	15
2185	30DEC83	8:00	123	6	118	14
2186	30DEC83	12:00	123	6	151	15
2187	30DEC83	16:00	118	7	135	15
2188	30DEC83	20:00	123	6	84	11
2189	30DEC83	24:00	101	7	123	14
2190	31DEC83	4:00	123	5	163	15
2191	31DEC83	8:00	123	8	112	18
2192	31DEC83	12:00	123	6	78	15
2193	31DEC83	16:00	123	5	118	12
2194	31DEC83	20:00	140	5	146	11
2195	31DEC83	24:00	135	7	118	18

-----YR=93 MO=2-----

OBS	DATE	TIME	AVERAGE AZIMUTH (DEG.)	AVERAGE SPEED (M.P.H.)	GUST AZIMUTH (DEG.)	GUST SPEED (M.P.H.)
2196	18FEB93	8:00	.	.	.	.



## MONTHLY AVERAGE WIND SPEEDS

VARIABLE	LABEL	N	N MISSING	MEAN	STANDARD DEVIATION	VARIANCE	MINIMUM VALUE	MAXIMUM VALUE	RANGE
----- YR=83 MO=1 -----									
AVSP	AVERAGE SPEED (M.P.H.)	48	144	0.792	1.529	2.339	0	5.000	5.000
GUSP	GUST SPEED (M.P.H.)	48	144	3.021	3.944	15.553	0	14.000	14.000
----- YR=83 MO=2 -----									
AVSP	AVERAGE SPEED (M.P.H.)	28	139	4.214	2.529	6.397	0.000	8.000	8.000
GUSP	GUST SPEED (M.P.H.)	28	139	10.571	5.073	25.735	3.000	19.000	16.000
----- YR=83 MO=3 -----									
AVSP	AVERAGE SPEED (M.P.H.)	186	0	2.989	2.373	5.632	0	9.000	9.000
GUSP	GUST SPEED (M.P.H.)	186	0	8.263	4.862	23.644	0	21.000	21.000
----- YR=83 MO=4 -----									
AVSP	AVERAGE SPEED (M.P.H.)	180	0	3.494	2.607	6.799	0.000	11.000	11.000
GUSP	GUST SPEED (M.P.H.)	180	0	9.211	4.397	19.329	2.000	27.000	25.000
----- YR=83 MO=5 -----									
AVSP	AVERAGE SPEED (M.P.H.)	186	0	2.919	2.256	5.091	0	11.000	11.000
GUSP	GUST SPEED (M.P.H.)	186	0	8.565	3.962	15.696	0	24.000	24.000
----- YR=83 MO=6 -----									
AVSP	AVERAGE SPEED (M.P.H.)	180	0	2.633	2.076	4.312	0	9.000	9.000
GUSP	GUST SPEED (M.P.H.)	180	0	7.917	3.643	13.272	0	18.000	18.000
----- YR=83 MO=7 -----									
AVSP	AVERAGE SPEED (M.P.H.)	186	0	2.629	2.165	4.689	0.000	8.000	8.000
GUSP	GUST SPEED (M.P.H.)	186	0	7.586	3.586	12.860	1.000	16.000	15.000
----- YR=83 MO=8 -----									
AVSP	AVERAGE SPEED (M.P.H.)	186	0	2.570	2.190	4.798	0	10.000	10.000
GUSP	GUST SPEED (M.P.H.)	186	0	7.898	4.044	16.352	0	20.000	20.000
----- YR=83 MO=9 -----									
AVSP	AVERAGE SPEED (M.P.H.)	180	0	2.428	2.364	5.587	0	8.000	8.000
GUSP	GUST SPEED (M.P.H.)	180	0	7.100	4.725	22.325	0	21.000	21.000
----- YR=83 MO=10 -----									
AVSP	AVERAGE SPEED (M.P.H.)	186	0	2.667	2.395	5.737	0	9.000	9.000
GUSP	GUST SPEED (M.P.H.)	186	0	7.774	5.154	26.565	0	32.000	32.000
----- YR=83 MO=11 -----									
AVSP	AVERAGE SPEED (M.P.H.)	180	0	5.672	2.705	7.317	0	10.000	10.000
GUSP	GUST SPEED (M.P.H.)	180	0	14.089	6.328	40.048	0	28.000	28.000

## MONTHLY AVERAGE WIND SPEEDS

VARIABLE	LABEL	N	N MISSING	MEAN	STANDARD DEVIATION	VARIANCE	MINIMUM VALUE	MAXIMUM VALUE	RANGE
----- YR=83 MO=12 -----									
AVSP	AVERAGE SPEED (M.P.H.)	186	0	5.425	2.320	5.381	0	10.000	10.000
GUSP	GUST SPEED (M.P.H.)	186	0	13.414	5.170	26.730	0	24.000	24.000
----- YR=93 MO=2 -----									
AVSP	AVERAGE SPEED (M.P.H.)	0	1	.	.	.	.	.	.
GUSP	GUST SPEED (M.P.H.)	0	1	.	.	.	.	.	.

SAS  
DAILY AVERAGE WIND SPEEDS

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VARIABLE	LABEL	N	N MISSING	MEAN	STANDARD DEVIATION	VARIANCE	MINIMUM VALUE	MAXIMUM VALUE	RANGE
----- DATE=1JAN83 YR=83 MO=1 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	3.167	2.229	4.967	0.000	5.000	5.000
GUSP	GUST SPEED (M.P.H.)	6	0	10.333	3.386	11.467	5.000	14.000	9.000
----- DATE=2JAN83 YR=83 MO=1 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	2.167	1.835	3.367	0	4.000	4.000
GUSP	GUST SPEED (M.P.H.)	6	0	6.667	3.933	15.467	0	12.000	12.000
----- DATE=3JAN83 YR=83 MO=1 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	1.000	0.894	0.800	0.000	2.000	2.000
GUSP	GUST SPEED (M.P.H.)	6	0	3.500	1.225	1.500	2.000	5.000	3.000
----- DATE=4JAN83 YR=83 MO=1 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	0.000	0.000	0.000	0.000	0.000	0.000
GUSP	GUST SPEED (M.P.H.)	6	0	1.833	0.753	0.567	1.000	3.000	2.000
----- DATE=5JAN83 YR=83 MO=1 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	0.000	0.000	0.000	0	0.000	0.000
GUSP	GUST SPEED (M.P.H.)	6	0	1.333	0.816	0.667	0	2.000	2.000
----- DATE=6JAN83 YR=83 MO=1 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	0.000	0.000	0.000	0	0.000	0.000
GUSP	GUST SPEED (M.P.H.)	6	0	0.500	1.225	1.500	0	3.000	3.000
----- DATE=7JAN83 YR=83 MO=1 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	0	0	0	0	0	0
GUSP	GUST SPEED (M.P.H.)	6	0	0	0	0	0	0	0
----- DATE=8JAN83 YR=83 MO=1 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	0	0	0	0	0	0
GUSP	GUST SPEED (M.P.H.)	6	0	0	0	0	0	0	0
----- DATE=9JAN83 YR=83 MO=1 -----									
AVSP	AVERAGE SPEED (M.P.H.)	0	6	.	.	.	.	.	.
GUSP	GUST SPEED (M.P.H.)	0	6	.	.	.	.	.	.
----- DATE=10JAN83 YR=83 MO=1 -----									
AVSP	AVERAGE SPEED (M.P.H.)	0	6	.	.	.	.	.	.
GUSP	GUST SPEED (M.P.H.)	0	6	.	.	.	.	.	.
----- DATE=11JAN83 YR=83 MO=1 -----									
AVSP	AVERAGE SPEED (M.P.H.)	0	6	.	.	.	.	.	.
GUSP	GUST SPEED (M.P.H.)	0	6	.	.	.	.	.	.

## DAILY AVERAGE WIND SPEEDS

VARIABLE	LABEL	N	N MISSING	MEAN	STANDARD DEVIATION	VARIANCE	MINIMUM VALUE	MAXIMUM VALUE	RANGE
-----	-----	-----	-----	DATE=12JAN83	YR=83 MO=1	-----	-----	-----	-----
AVSP	AVERAGE SPEED (M.P.H.)	0	6	.	.	.	.	.	.
GUSP	GUST SPEED (M.P.H.)	0	6	.	.	.	.	.	.
-----	-----	-----	-----	DATE=13JAN83	YR=83 MO=1	-----	-----	-----	-----
AVSP	AVERAGE SPEED (M.P.H.)	0	6	.	.	.	.	.	.
GUSP	GUST SPEED (M.P.H.)	0	6	.	.	.	.	.	.
-----	-----	-----	-----	DATE=14JAN83	YR=83 MO=1	-----	-----	-----	-----
AVSP	AVERAGE SPEED (M.P.H.)	0	6	.	.	.	.	.	.
GUSP	GUST SPEED (M.P.H.)	0	6	.	.	.	.	.	.
-----	-----	-----	-----	DATE=15JAN83	YR=83 MO=1	-----	-----	-----	-----
AVSP	AVERAGE SPEED (M.P.H.)	0	6	.	.	.	.	.	.
GUSP	GUST SPEED (M.P.H.)	0	6	.	.	.	.	.	.
-----	-----	-----	-----	DATE=16JAN83	YR=83 MO=1	-----	-----	-----	-----
AVSP	AVERAGE SPEED (M.P.H.)	0	6	.	.	.	.	.	.
GUSP	GUST SPEED (M.P.H.)	0	6	.	.	.	.	.	.
-----	-----	-----	-----	DATE=17JAN83	YR=83 MO=1	-----	-----	-----	-----
AVSP	AVERAGE SPEED (M.P.H.)	0	6	.	.	.	.	.	.
GUSP	GUST SPEED (M.P.H.)	0	6	.	.	.	.	.	.
-----	-----	-----	-----	DATE=18JAN83	YR=83 MO=1	-----	-----	-----	-----
AVSP	AVERAGE SPEED (M.P.H.)	0	6	.	.	.	.	.	.
GUSP	GUST SPEED (M.P.H.)	0	6	.	.	.	.	.	.
-----	-----	-----	-----	DATE=19JAN83	YR=83 MO=1	-----	-----	-----	-----
AVSP	AVERAGE SPEED (M.P.H.)	0	6	.	.	.	.	.	.
GUSP	GUST SPEED (M.P.H.)	0	6	.	.	.	.	.	.
-----	-----	-----	-----	DATE=20JAN83	YR=83 MO=1	-----	-----	-----	-----
AVSP	AVERAGE SPEED (M.P.H.)	0	6	.	.	.	.	.	.
GUSP	GUST SPEED (M.P.H.)	0	6	.	.	.	.	.	.
-----	-----	-----	-----	DATE=21JAN83	YR=83 MO=1	-----	-----	-----	-----
AVSP	AVERAGE SPEED (M.P.H.)	0	6	.	.	.	.	.	.
GUSP	GUST SPEED (M.P.H.)	0	6	.	.	.	.	.	.
-----	-----	-----	-----	DATE=22JAN83	YR=83 MO=1	-----	-----	-----	-----
AVSP	AVERAGE SPEED (M.P.H.)	0	6	.	.	.	.	.	.
GUSP	GUST SPEED (M.P.H.)	0	6	.	.	.	.	.	.

SAS  
DAILY AVERAGE WIND SPEEDS

VARIABLE	LABEL	N	N MISSING	MEAN	STANDARD DEVIATION	VARIANCE	MINIMUM VALUE	MAXIMUM VALUE	RANGE
----- DATE=23JAN83 YR=83 MO=1 -----									
AVSP	AVERAGE SPEED (M.P.H.)	0	6	.	.	.	.	.	.
GUSP	GUST SPEED (M.P.H.)	0	6	.	.	.	.	.	.
----- DATE=24JAN83 YR=83 MO=1 -----									
AVSP	AVERAGE SPEED (M.P.H.)	0	6	.	.	.	.	.	.
GUSP	GUST SPEED (M.P.H.)	0	6	.	.	.	.	.	.
----- DATE=25JAN83 YR=83 MO=1 -----									
AVSP	AVERAGE SPEED (M.P.H.)	0	6	.	.	.	.	.	.
GUSP	GUST SPEED (M.P.H.)	0	6	.	.	.	.	.	.
----- DATE=26JAN83 YR=83 MO=1 -----									
AVSP	AVERAGE SPEED (M.P.H.)	0	6	.	.	.	.	.	.
GUSP	GUST SPEED (M.P.H.)	0	6	.	.	.	.	.	.
----- DATE=27JAN83 YR=83 MO=1 -----									
AVSP	AVERAGE SPEED (M.P.H.)	0	12	.	.	.	.	.	.
GUSP	GUST SPEED (M.P.H.)	0	12	.	.	.	.	.	.
----- DATE=28JAN83 YR=83 MO=1 -----									
AVSP	AVERAGE SPEED (M.P.H.)	0	6	.	.	.	.	.	.
GUSP	GUST SPEED (M.P.H.)	0	6	.	.	.	.	.	.
----- DATE=29JAN83 YR=83 MO=1 -----									
AVSP	AVERAGE SPEED (M.P.H.)	0	6	.	.	.	.	.	.
GUSP	GUST SPEED (M.P.H.)	0	6	.	.	.	.	.	.
----- DATE=30JAN83 YR=83 MO=1 -----									
AVSP	AVERAGE SPEED (M.P.H.)	0	6	.	.	.	.	.	.
GUSP	GUST SPEED (M.P.H.)	0	6	.	.	.	.	.	.
----- DATE=31JAN83 YR=83 MO=1 -----									
AVSP	AVERAGE SPEED (M.P.H.)	0	6	.	.	.	.	.	.
GUSP	GUST SPEED (M.P.H.)	0	6	.	.	.	.	.	.
----- DATE=1FEB83 YR=83 MO=2 -----									
AVSP	AVERAGE SPEED (M.P.H.)	0	6	.	.	.	.	.	.
GUSP	GUST SPEED (M.P.H.)	0	6	.	.	.	.	.	.
----- DATE=2FEB83 YR=83 MO=2 -----									
AVSP	AVERAGE SPEED (M.P.H.)	0	6	.	.	.	.	.	.
GUSP	GUST SPEED (M.P.H.)	0	6	.	.	.	.	.	.

SAS  
DAILY AVERAGE WIND SPEEDS

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VARIABLE	LABEL	N	N MISSING	MEAN	STANDARD DEVIATION	VARIANCE	MINIMUM VALUE	MAXIMUM VALUE	RANGE
----- DATE=3FEB83 YR=83 MO=2 -----									
AVSP	AVERAGE SPEED (M.P.H.)	0	6	.	.	.	.	.	.
GUSP	GUST SPEED (M.P.H.)	0	6	.	.	.	.	.	.
----- DATE=4FEB83 YR=83 MO=2 -----									
AVSP	AVERAGE SPEED (M.P.H.)	0	6	.	.	.	.	.	.
GUSP	GUST SPEED (M.P.H.)	0	6	.	.	.	.	.	.
----- DATE=5FEB83 YR=83 MO=2 -----									
AVSP	AVERAGE SPEED (M.P.H.)	0	6	.	.	.	.	.	.
GUSP	GUST SPEED (M.P.H.)	0	6	.	.	.	.	.	.
----- DATE=6FEB83 YR=83 MO=2 -----									
AVSP	AVERAGE SPEED (M.P.H.)	0	6	.	.	.	.	.	.
GUSP	GUST SPEED (M.P.H.)	0	6	.	.	.	.	.	.
----- DATE=7FEB83 YR=83 MO=2 -----									
AVSP	AVERAGE SPEED (M.P.H.)	0	6	.	.	.	.	.	.
GUSP	GUST SPEED (M.P.H.)	0	6	.	.	.	.	.	.
----- DATE=8FEB83 YR=83 MO=2 -----									
AVSP	AVERAGE SPEED (M.P.H.)	0	6	.	.	.	.	.	.
GUSP	GUST SPEED (M.P.H.)	0	6	.	.	.	.	.	.
----- DATE=9FEB83 YR=83 MO=2 -----									
AVSP	AVERAGE SPEED (M.P.H.)	0	6	.	.	.	.	.	.
GUSP	GUST SPEED (M.P.H.)	0	6	.	.	.	.	.	.
----- DATE=10FEB83 YR=83 MO=2 -----									
AVSP	AVERAGE SPEED (M.P.H.)	0	6	.	.	.	.	.	.
GUSP	GUST SPEED (M.P.H.)	0	6	.	.	.	.	.	.
----- DATE=11FEB83 YR=83 MO=2 -----									
AVSP	AVERAGE SPEED (M.P.H.)	0	6	.	.	.	.	.	.
GUSP	GUST SPEED (M.P.H.)	0	6	.	.	.	.	.	.
----- DATE=12FEB83 YR=83 MO=2 -----									
AVSP	AVERAGE SPEED (M.P.H.)	0	6	.	.	.	.	.	.
GUSP	GUST SPEED (M.P.H.)	0	6	.	.	.	.	.	.
----- DATE=13FEB83 YR=83 MO=2 -----									
AVSP	AVERAGE SPEED (M.P.H.)	0	6	.	.	.	.	.	.
GUSP	GUST SPEED (M.P.H.)	0	6	.	.	.	.	.	.

SAS  
DAILY AVERAGE WIND SPEEDS

VARIABLE	LABEL	N	N MISSING	MEAN	STANDARD DEVIATION	VARIANCE	MINIMUM VALUE	MAXIMUM VALUE	RANGE
----- DATE=14FEB83 YR=83 MO=2 -----									
AVSP	AVERAGE SPEED (M.P.H.)	0	6	.	.	.	.	.	.
GUSP	GUST SPEED (M.P.H.)	0	6	.	.	.	.	.	.
----- DATE=15FEB83 YR=83 MO=2 -----									
AVSP	AVERAGE SPEED (M.P.H.)	0	6	.	.	.	.	.	.
GUSP	GUST SPEED (M.P.H.)	0	6	.	.	.	.	.	.
----- DATE=16FEB83 YR=83 MO=2 -----									
AVSP	AVERAGE SPEED (M.P.H.)	0	6	.	.	.	.	.	.
GUSP	GUST SPEED (M.P.H.)	0	6	.	.	.	.	.	.
----- DATE=17FEB83 YR=83 MO=2 -----									
AVSP	AVERAGE SPEED (M.P.H.)	0	6	.	.	.	.	.	.
GUSP	GUST SPEED (M.P.H.)	0	6	.	.	.	.	.	.
----- DATE=18FEB83 YR=83 MO=2 -----									
AVSP	AVERAGE SPEED (M.P.H.)	0	6	.	.	.	.	.	.
GUSP	GUST SPEED (M.P.H.)	0	6	.	.	.	.	.	.
----- DATE=19FEB83 YR=83 MO=2 -----									
AVSP	AVERAGE SPEED (M.P.H.)	0	5	.	.	.	.	.	.
GUSP	GUST SPEED (M.P.H.)	0	5	.	.	.	.	.	.
----- DATE=20FEB83 YR=83 MO=2 -----									
AVSP	AVERAGE SPEED (M.P.H.)	0	6	.	.	.	.	.	.
GUSP	GUST SPEED (M.P.H.)	0	6	.	.	.	.	.	.
----- DATE=21FEB83 YR=83 MO=2 -----									
AVSP	AVERAGE SPEED (M.P.H.)	0	6	.	.	.	.	.	.
GUSP	GUST SPEED (M.P.H.)	0	6	.	.	.	.	.	.
----- DATE=22FEB83 YR=83 MO=2 -----									
AVSP	AVERAGE SPEED (M.P.H.)	0	6	.	.	.	.	.	.
GUSP	GUST SPEED (M.P.H.)	0	6	.	.	.	.	.	.
----- DATE=23FEB83 YR=83 MO=2 -----									
AVSP	AVERAGE SPEED (M.P.H.)	0	6	.	.	.	.	.	.
GUSP	GUST SPEED (M.P.H.)	0	6	.	.	.	.	.	.
----- DATE=24FEB83 YR=83 MO=2 -----									
AVSP	AVERAGE SPEED (M.P.H.)	4	2	2.500	2.082	4.333	0.000	5.000	5.000
GUSP	GUST SPEED (M.P.H.)	4	2	8.000	4.243	18.000	5.000	14.000	9.000

## DAILY AVERAGE WIND SPEEDS

VARIABLE	LABEL	N	N MISSING	MEAN	STANDARD DEVIATION	VARIANCE	MINIMUM VALUE	MAXIMUM VALUE	RANGE
----- DATE=25FEB83 YR=83 MO=2 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	3.667	2.582	6.667	0.000	6.000	6.000
GUSP	GUST SPEED (M.P.H.)	6	0	9.000	4.858	23.600	3.000	14.000	11.000
----- DATE=26FEB83 YR=83 MO=2 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	6.667	0.816	0.667	6.000	8.000	2.000
GUSP	GUST SPEED (M.P.H.)	6	0	15.833	3.189	10.167	12.000	19.000	7.000
----- DATE=27FEB83 YR=83 MO=2 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	6.167	0.753	0.567	5.000	7.000	2.000
GUSP	GUST SPEED (M.P.H.)	6	0	13.833	2.137	4.567	11.000	17.000	6.000
----- DATE=28FEB83 YR=83 MO=2 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	1.500	0.837	0.700	0.000	2.000	2.000
GUSP	GUST SPEED (M.P.H.)	6	0	5.333	1.633	2.667	3.000	8.000	5.000
----- DATE=1MAR83 YR=83 MO=3 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	0.500	0.548	0.300	0	1.000	1.000
GUSP	GUST SPEED (M.P.H.)	6	0	3.667	2.422	5.867	0	6.000	6.000
----- DATE=2MAR83 YR=83 MO=3 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	0.333	0.816	0.667	0	2.000	2.000
GUSP	GUST SPEED (M.P.H.)	6	0	1.833	2.041	4.167	0	4.000	4.000
----- DATE=3MAR83 YR=83 MO=3 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	1.167	0.753	0.567	0	2.000	2.000
GUSP	GUST SPEED (M.P.H.)	6	0	4.333	2.338	5.467	0	6.000	6.000
----- DATE=4MAR83 YR=83 MO=3 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	3.333	1.506	2.267	2.000	6.000	4.000
GUSP	GUST SPEED (M.P.H.)	6	0	9.667	3.502	12.267	5.000	15.000	10.000
----- DATE=5MAR83 YR=83 MO=3 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	4.833	1.169	1.367	4.000	7.000	3.000
GUSP	GUST SPEED (M.P.H.)	6	0	11.000	2.098	4.400	8.000	13.000	5.000
----- DATE=6MAR83 YR=83 MO=3 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	5.833	1.169	1.367	4.000	7.000	3.000
GUSP	GUST SPEED (M.P.H.)	6	0	14.000	3.225	10.400	11.000	19.000	8.000
----- DATE=7MAR83 YR=83 MO=3 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	5.167	2.317	5.367	2.000	8.000	6.000
GUSP	GUST SPEED (M.P.H.)	6	0	12.333	4.179	17.467	7.000	18.000	11.000



SAS  
DAILY AVERAGE WIND SPEEDS

VARIABLE	LABEL	N	N MISSING	MEAN	STANDARD DEVIATION	VARIANCE	MINIMUM VALUE	MAXIMUM VALUE	RANGE
----- DATE=8MAR83 YR=83 MO=3 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	4.167	1.722	2.967	2.000	7.000	5.000
GUSP	GUST SPEED (M.P.H.)	6	0	9.167	3.545	12.567	5.000	14.000	9.000
----- DATE=9MAR83 YR=83 MO=3 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	1.833	1.329	1.767	0.000	4.000	4.000
GUSP	GUST SPEED (M.P.H.)	6	0	5.833	1.835	3.367	4.000	9.000	5.000
----- DATE=10MAR83 YR=83 MO=3 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	0.167	0.408	0.167	0	1.000	1.000
GUSP	GUST SPEED (M.P.H.)	6	0	1.167	1.835	3.367	0	4.000	4.000
----- DATE=11MAR83 YR=83 MO=3 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	2.000	2.098	4.400	0	5.000	5.000
GUSP	GUST SPEED (M.P.H.)	6	0	5.833	4.792	22.967	0	11.000	11.000
----- DATE=12MAR83 YR=83 MO=3 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	2.667	2.338	5.467	0.000	5.000	5.000
GUSP	GUST SPEED (M.P.H.)	6	0	8.167	4.119	16.967	3.000	12.000	9.000
----- DATE=13MAR83 YR=83 MO=3 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	0.833	1.169	1.367	0	3.000	3.000
GUSP	GUST SPEED (M.P.H.)	6	0	3.667	2.582	6.667	0	8.000	8.000
----- DATE=14MAR83 YR=83 MO=3 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	0.833	1.169	1.367	0.000	3.000	3.000
GUSP	GUST SPEED (M.P.H.)	6	0	3.333	1.506	2.267	2.000	6.000	4.000
----- DATE=15MAR83 YR=83 MO=3 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	1.000	1.265	1.600	0.000	3.000	3.000
GUSP	GUST SPEED (M.P.H.)	6	0	6.500	3.564	12.700	3.000	11.000	8.000
----- DATE=16MAR83 YR=83 MO=3 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	2.167	1.722	2.967	0.000	4.000	4.000
GUSP	GUST SPEED (M.P.H.)	6	0	6.333	3.204	10.267	3.000	11.000	8.000
----- DATE=17MAR83 YR=83 MO=3 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	0.333	0.516	0.267	0.000	1.000	1.000
GUSP	GUST SPEED (M.P.H.)	6	0	3.500	1.378	1.900	2.000	5.000	3.000
----- DATE=18MAR83 YR=83 MO=3 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	2.667	1.211	1.467	1.000	4.000	3.000
GUSP	GUST SPEED (M.P.H.)	6	0	6.833	1.835	3.367	5.000	10.000	5.000

## DAILY AVERAGE WIND SPEEDS

VARIABLE	LABEL	N	N MISSING	MEAN	STANDARD DEVIATION	VARIANCE	MINIMUM VALUE	MAXIMUM VALUE	RANGE
----- DATE=19MAR83 YR=83 MO=3 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	3.333	2.160	4.667	1.000	6.000	5.000
GUSP	GUST SPEED (M.P.H.)	6	0	9.833	4.622	21.367	5.000	16.000	11.000
----- DATE=20MAR83 YR=83 MO=3 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	4.000	2.000	4.000	2.000	7.000	5.000
GUSP	GUST SPEED (M.P.H.)	6	0	10.333	3.670	13.467	6.000	16.000	10.000
----- DATE=21MAR83 YR=83 MO=3 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	4.333	1.366	1.867	3.000	6.000	3.000
GUSP	GUST SPEED (M.P.H.)	6	0	11.000	2.280	5.200	8.000	13.000	5.000
----- DATE=22MAR83 YR=83 MO=3 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	5.000	1.265	1.600	4.000	7.000	3.000
GUSP	GUST SPEED (M.P.H.)	6	0	13.500	3.564	12.700	9.000	19.000	10.000
----- DATE=23MAR83 YR=83 MO=3 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	3.833	2.317	5.367	1.000	7.000	6.000
GUSP	GUST SPEED (M.P.H.)	6	0	10.000	4.517	20.400	5.000	15.000	10.000
----- DATE=24MAR83 YR=83 MO=3 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	3.500	1.643	2.700	2.000	6.000	4.000
GUSP	GUST SPEED (M.P.H.)	6	0	9.833	4.665	21.767	5.000	17.000	12.000
----- DATE=25MAR83 YR=83 MO=3 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	4.667	1.506	2.267	3.000	7.000	4.000
GUSP	GUST SPEED (M.P.H.)	6	0	10.500	2.739	7.500	7.000	15.000	8.000
----- DATE=26MAR83 YR=83 MO=3 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	6.500	1.975	3.900	5.000	9.000	4.000
GUSP	GUST SPEED (M.P.H.)	6	0	14.167	4.021	16.167	9.000	20.000	11.000
----- DATE=27MAR83 YR=83 MO=3 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	6.333	1.633	2.667	4.000	9.000	5.000
GUSP	GUST SPEED (M.P.H.)	6	0	15.000	3.795	14.400	11.000	21.000	10.000
----- DATE=28MAR83 YR=83 MO=3 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	4.167	1.602	2.567	2.000	6.000	4.000
GUSP	GUST SPEED (M.P.H.)	6	0	10.000	2.280	5.200	7.000	12.000	5.000
----- DATE=29MAR83 YR=83 MO=3 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	3.667	2.422	5.867	1.000	7.000	6.000
GUSP	GUST SPEED (M.P.H.)	6	0	10.000	4.517	20.400	4.000	16.000	12.000

## DAILY AVERAGE WIND SPEEDS

VARIABLE	LABEL	N	N MISSING	MEAN	STANDARD DEVIATION	VARIANCE	MINIMUM VALUE	MAXIMUM VALUE	RANGE
----- DATE=30MAR83 YR=83 MO=3 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	2.000	2.280	5.200	0.000	6.000	6.000
GUSP	GUST SPEED (M.P.H.)	6	0	8.333	5.989	35.867	3.000	16.000	13.000
----- DATE=31MAR83 YR=83 MO=3 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	1.500	1.975	3.900	0.000	5.000	5.000
GUSP	GUST SPEED (M.P.H.)	6	0	6.500	4.680	21.900	2.000	12.000	10.000
----- DATE=1APR83 YR=83 MO=4 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	1.333	1.966	3.867	0.000	5.000	5.000
GUSP	GUST SPEED (M.P.H.)	6	0	4.667	2.160	4.667	2.000	8.000	6.000
----- DATE=2APR83 YR=83 MO=4 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	1.000	1.673	2.800	0.000	4.000	4.000
GUSP	GUST SPEED (M.P.H.)	6	0	4.667	1.966	3.867	2.000	8.000	6.000
----- DATE=3APR83 YR=83 MO=4 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	4.667	1.366	1.867	2.000	6.000	4.000
GUSP	GUST SPEED (M.P.H.)	6	0	12.500	3.937	15.500	9.000	20.000	11.000
----- DATE=4APR83 YR=83 MO=4 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	7.000	2.757	7.600	5.000	11.000	6.000
GUSP	GUST SPEED (M.P.H.)	6	0	16.167	6.178	38.167	11.000	27.000	16.000
----- DATE=5APR83 YR=83 MO=4 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	6.667	1.966	3.867	5.000	9.000	4.000
GUSP	GUST SPEED (M.P.H.)	6	0	13.333	2.582	6.667	10.000	17.000	7.000
----- DATE=6APR83 YR=83 MO=4 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	1.833	1.472	2.167	0.000	4.000	4.000
GUSP	GUST SPEED (M.P.H.)	6	0	5.833	2.041	4.167	3.000	8.000	5.000
----- DATE=7APR83 YR=83 MO=4 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	1.500	1.975	3.900	0.000	4.000	4.000
GUSP	GUST SPEED (M.P.H.)	6	0	5.833	2.137	4.567	3.000	8.000	5.000
----- DATE=8APR83 YR=83 MO=4 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	1.333	1.966	3.867	0.000	5.000	5.000
GUSP	GUST SPEED (M.P.H.)	6	0	5.500	3.271	10.700	2.000	10.000	8.000
----- DATE=9APR83 YR=83 MO=4 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	5.500	3.271	10.700	0.000	8.000	8.000
GUSP	GUST SPEED (M.P.H.)	6	0	11.667	5.125	26.267	3.000	16.000	13.000

SAS  
DAILY AVERAGE WIND SPEEDS

VARIABLE	LABEL	N	N MISSING	MEAN	STANDARD DEVIATION	VARIANCE	MINIMUM VALUE	MAXIMUM VALUE	RANGE
----- DATE=10APR83 YR=83 MO=4 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	4.167	2.563	6.567	0.000	6.000	6.000
GUSP	GUST SPEED (M.P.H.)	6	0	8.667	4.131	17.067	2.000	12.000	10.000
----- DATE=11APR83 YR=83 MO=4 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	4.333	1.506	2.267	2.000	6.000	4.000
GUSP	GUST SPEED (M.P.H.)	6	0	10.833	2.401	5.767	9.000	15.000	6.000
----- DATE=12APR83 YR=83 MO=4 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	3.500	2.258	5.100	1.000	7.000	6.000
GUSP	GUST SPEED (M.P.H.)	6	0	8.667	4.082	16.667	3.000	14.000	11.000
----- DATE=13APR83 YR=83 MO=4 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	0.667	1.211	1.467	0.000	3.000	3.000
GUSP	GUST SPEED (M.P.H.)	6	0	4.000	1.549	2.400	3.000	7.000	4.000
----- DATE=14APR83 YR=83 MO=4 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	4.000	2.828	8.000	0.000	7.000	7.000
GUSP	GUST SPEED (M.P.H.)	6	0	11.833	6.210	38.567	3.000	17.000	14.000
----- DATE=15APR83 YR=83 MO=4 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	3.333	1.751	3.067	1.000	6.000	5.000
GUSP	GUST SPEED (M.P.H.)	6	0	10.000	3.033	9.200	5.000	13.000	8.000
----- DATE=16APR83 YR=83 MO=4 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	4.333	2.251	5.067	0.000	6.000	6.000
GUSP	GUST SPEED (M.P.H.)	6	0	9.667	2.503	6.267	5.000	12.000	7.000
----- DATE=17APR83 YR=83 MO=4 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	2.167	0.753	0.567	1.000	3.000	2.000
GUSP	GUST SPEED (M.P.H.)	6	0	8.667	1.862	3.467	6.000	11.000	5.000
----- DATE=18APR83 YR=83 MO=4 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	3.500	2.588	6.700	1.000	8.000	7.000
GUSP	GUST SPEED (M.P.H.)	6	0	9.500	2.429	5.900	6.000	13.000	7.000
----- DATE=19APR83 YR=83 MO=4 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	5.167	3.251	10.567	1.000	8.000	7.000
GUSP	GUST SPEED (M.P.H.)	6	0	12.333	5.465	29.867	6.000	19.000	13.000
----- DATE=20APR83 YR=83 MO=4 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	3.333	2.338	5.467	1.000	6.000	5.000
GUSP	GUST SPEED (M.P.H.)	6	0	9.167	5.076	25.767	4.000	15.000	11.000

SAS  
DAILY AVERAGE WIND SPEEDS

VARIABLE	LABEL	N	N MISSING	DATE	MEAN	STANDARD DEVIATION	VARIANCE	MINIMUM VALUE	MAXIMUM VALUE	RANGE
				DATE=21APR83	YR=83	MO=4				
AVSP	AVERAGE SPEED (M.P.H.)	6	0	0	3.167	1.722	2.967	1.000	6.000	5.000
GUSP	GUST SPEED (M.P.H.)	6	0	0	8.000	2.098	4.400	5.000	10.000	5.000
				DATE=22APR83	YR=83	MO=4				
AVSP	AVERAGE SPEED (M.P.H.)	6	0	0	3.500	2.510	6.300	1.000	8.000	7.000
GUSP	GUST SPEED (M.P.H.)	6	0	0	9.667	3.559	12.667	6.000	15.000	9.000
				DATE=23APR83	YR=83	MO=4				
AVSP	AVERAGE SPEED (M.P.H.)	6	0	0	3.667	3.011	9.067	0.000	8.000	8.000
GUSP	GUST SPEED (M.P.H.)	6	0	0	10.333	5.538	30.667	2.000	16.000	14.000
				DATE=24APR83	YR=83	MO=4				
AVSP	AVERAGE SPEED (M.P.H.)	6	0	0	2.333	1.966	3.867	0.000	5.000	5.000
GUSP	GUST SPEED (M.P.H.)	6	0	0	8.667	4.033	16.267	2.000	13.000	11.000
				DATE=25APR83	YR=83	MO=4				
AVSP	AVERAGE SPEED (M.P.H.)	6	0	0	3.833	2.317	5.367	0.000	7.000	7.000
GUSP	GUST SPEED (M.P.H.)	6	0	0	10.500	3.507	12.300	6.000	16.000	10.000
				DATE=26APR83	YR=83	MO=4				
AVSP	AVERAGE SPEED (M.P.H.)	6	0	0	3.667	2.066	4.267	1.000	7.000	6.000
GUSP	GUST SPEED (M.P.H.)	6	0	0	8.500	2.258	5.100	7.000	13.000	6.000
				DATE=27APR83	YR=83	MO=4				
AVSP	AVERAGE SPEED (M.P.H.)	6	0	0	4.833	3.430	11.767	0.000	8.000	8.000
GUSP	GUST SPEED (M.P.H.)	6	0	0	10.833	4.535	20.567	3.000	15.000	12.000
				DATE=28APR83	YR=83	MO=4				
AVSP	AVERAGE SPEED (M.P.H.)	6	0	0	1.833	2.137	4.567	0.000	5.000	5.000
GUSP	GUST SPEED (M.P.H.)	6	0	0	6.167	2.994	8.967	4.000	10.000	6.000
				DATE=29APR83	YR=83	MO=4				
AVSP	AVERAGE SPEED (M.P.H.)	6	0	0	4.000	2.449	6.000	0.000	6.000	6.000
GUSP	GUST SPEED (M.P.H.)	6	0	0	10.167	4.070	16.567	4.000	15.000	11.000
				DATE=30APR83	YR=83	MO=4				
AVSP	AVERAGE SPEED (M.P.H.)	6	0	0	4.667	2.582	6.667	1.000	7.000	6.000
GUSP	GUST SPEED (M.P.H.)	6	0	0	10.000	4.050	16.400	4.000	14.000	10.000
				DATE=1MAY83	YR=83	MO=5				
AVSP	AVERAGE SPEED (M.P.H.)	6	0	0	4.000	1.549	2.400	2.000	6.000	4.000
GUSP	GUST SPEED (M.P.H.)	6	0	0	9.833	2.927	8.567	6.000	13.000	7.000

SAS  
DAILY AVERAGE WIND SPEEDS

VARIABLE	LABEL	N	N MISSING	MEAN	STANDARD DEVIATION	VARIANCE	MINIMUM VALUE	MAXIMUM VALUE	RANGE
-----	-----	-----	-----	DATE=2MAY83	YR=83	MO=5	-----	-----	-----
AVSP	AVERAGE SPEED (M.P.H.)	6	0	3.333	1.506	2.267	1.000	5.000	4.000
GUSP	GUST SPEED (M.P.H.)	6	0	9.833	3.656	13.367	5.000	14.000	9.000
-----	-----	-----	-----	DATE=3MAY83	YR=83	MO=5	-----	-----	-----
AVSP	AVERAGE SPEED (M.P.H.)	6	0	3.833	1.941	3.767	1.000	7.000	6.000
GUSP	GUST SPEED (M.P.H.)	6	0	9.167	3.710	13.767	4.000	15.000	11.000
-----	-----	-----	-----	DATE=4MAY83	YR=83	MO=5	-----	-----	-----
AVSP	AVERAGE SPEED (M.P.H.)	6	0	1.667	1.862	3.467	0.000	4.000	4.000
GUSP	GUST SPEED (M.P.H.)	6	0	6.500	3.271	10.700	3.000	11.000	8.000
-----	-----	-----	-----	DATE=5MAY83	YR=83	MO=5	-----	-----	-----
AVSP	AVERAGE SPEED (M.P.H.)	6	0	3.000	2.191	4.800	0.000	6.000	6.000
GUSP	GUST SPEED (M.P.H.)	6	0	8.500	3.450	11.900	2.000	12.000	10.000
-----	-----	-----	-----	DATE=6MAY83	YR=83	MO=5	-----	-----	-----
AVSP	AVERAGE SPEED (M.P.H.)	6	0	2.333	2.338	5.467	0.000	5.000	5.000
GUSP	GUST SPEED (M.P.H.)	6	0	7.333	4.131	17.067	3.000	12.000	9.000
-----	-----	-----	-----	DATE=7MAY83	YR=83	MO=5	-----	-----	-----
AVSP	AVERAGE SPEED (M.P.H.)	6	0	1.667	1.633	2.667	0.000	4.000	4.000
GUSP	GUST SPEED (M.P.H.)	6	0	7.500	3.271	10.700	3.000	11.000	8.000
-----	-----	-----	-----	DATE=8MAY83	YR=83	MO=5	-----	-----	-----
AVSP	AVERAGE SPEED (M.P.H.)	6	0	2.167	2.137	4.567	0.000	5.000	5.000
GUSP	GUST SPEED (M.P.H.)	6	0	7.333	4.412	19.467	3.000	15.000	12.000
-----	-----	-----	-----	DATE=9MAY83	YR=83	MO=5	-----	-----	-----
AVSP	AVERAGE SPEED (M.P.H.)	6	0	2.333	1.966	3.867	0	4.000	4.000
GUSP	GUST SPEED (M.P.H.)	6	0	6.833	4.579	20.967	0	13.000	13.000
-----	-----	-----	-----	DATE=10MAY83	YR=83	MO=5	-----	-----	-----
AVSP	AVERAGE SPEED (M.P.H.)	6	0	3.333	3.327	11.067	0.000	9.000	9.000
GUSP	GUST SPEED (M.P.H.)	6	0	9.667	3.204	10.267	6.000	15.000	9.000
-----	-----	-----	-----	DATE=11MAY83	YR=83	MO=5	-----	-----	-----
AVSP	AVERAGE SPEED (M.P.H.)	6	0	2.500	1.517	2.300	0.000	4.000	4.000
GUSP	GUST SPEED (M.P.H.)	6	0	7.167	2.639	6.967	3.000	11.000	8.000
-----	-----	-----	-----	DATE=12MAY83	YR=83	MO=5	-----	-----	-----
AVSP	AVERAGE SPEED (M.P.H.)	6	0	3.500	2.345	5.500	0.000	6.000	6.000
GUSP	GUST SPEED (M.P.H.)	6	0	9.000	2.608	6.800	5.000	12.000	7.000

SAS  
DAILY AVERAGE WIND SPEEDS

VARIABLE	LABEL	N	N MISSING	MEAN	STANDARD DEVIATION	VARIANCE	MINIMUM VALUE	MAXIMUM VALUE	RANGE
----- DATE=13MAY83 YR=83 MO=5 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	2.333	1.966	3.867	0.000	5.000	5.000
GUSP	GUST SPEED (M.P.H.)	6	0	6.667	2.338	5.467	4.000	10.000	6.000
----- DATE=14MAY83 YR=83 MO=5 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	1.667	2.066	4.267	0.000	5.000	5.000
GUSP	GUST SPEED (M.P.H.)	6	0	6.833	3.656	13.367	3.000	11.000	8.000
----- DATE=15MAY83 YR=83 MO=5 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	2.833	1.835	3.367	1.000	5.000	4.000
GUSP	GUST SPEED (M.P.H.)	6	0	7.833	2.563	6.567	4.000	11.000	7.000
----- DATE=16MAY83 YR=83 MO=5 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	4.500	1.871	3.500	2.000	7.000	5.000
GUSP	GUST SPEED (M.P.H.)	6	0	12.000	3.521	12.400	7.000	16.000	9.000
----- DATE=17MAY83 YR=83 MO=5 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	1.167	1.169	1.367	0.000	3.000	3.000
GUSP	GUST SPEED (M.P.H.)	6	0	5.000	1.789	3.200	3.000	8.000	5.000
----- DATE=18MAY83 YR=83 MO=5 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	2.167	2.137	4.567	0.000	6.000	6.000
GUSP	GUST SPEED (M.P.H.)	6	0	8.500	4.930	24.300	5.000	18.000	13.000
----- DATE=19MAY83 YR=83 MO=5 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	2.333	1.751	3.067	1.000	5.000	4.000
GUSP	GUST SPEED (M.P.H.)	6	0	8.333	2.944	8.667	5.000	13.000	8.000
----- DATE=20MAY83 YR=83 MO=5 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	5.000	4.336	18.800	0.000	11.000	11.000
GUSP	GUST SPEED (M.P.H.)	6	0	12.500	8.961	80.300	2.000	24.000	22.000
----- DATE=21MAY83 YR=83 MO=5 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	3.000	1.265	1.600	2.000	5.000	3.000
GUSP	GUST SPEED (M.P.H.)	6	0	8.500	2.074	4.300	6.000	11.000	5.000
----- DATE=22MAY83 YR=83 MO=5 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	3.667	1.366	1.867	2.000	6.000	4.000
GUSP	GUST SPEED (M.P.H.)	6	0	10.000	1.673	2.800	8.000	12.000	4.000
----- DATE=23MAY83 YR=83 MO=5 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	3.333	2.582	6.667	1.000	8.000	7.000
GUSP	GUST SPEED (M.P.H.)	6	0	9.833	4.622	21.367	5.000	18.000	13.000

## DAILY AVERAGE WIND SPEEDS

VARIABLE	LABEL	N	N MISSING	MEAN	STANDARD DEVIATION	VARIANCE	MINIMUM VALUE	MAXIMUM VALUE	RANGE
----- DATE=24MAY83 YR=83 MO=5 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	2.500	2.074	4.300	0.000	5.000	5.000
GUSP	GUST SPEED (M.P.H.)	6	0	7.333	2.805	7.867	4.000	11.000	7.000
----- DATE=25MAY83 YR=83 MO=5 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	3.333	2.338	5.467	1.000	6.000	5.000
GUSP	GUST SPEED (M.P.H.)	6	0	8.833	2.787	7.767	6.000	12.000	6.000
----- DATE=26MAY83 YR=83 MO=5 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	3.500	3.082	9.500	0.000	8.000	8.000
GUSP	GUST SPEED (M.P.H.)	6	0	9.667	4.719	22.267	4.000	15.000	11.000
----- DATE=27MAY83 YR=83 MO=5 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	3.500	2.881	8.300	0.000	7.000	7.000
GUSP	GUST SPEED (M.P.H.)	6	0	8.000	3.742	14.000	3.000	12.000	9.000
----- DATE=28MAY83 YR=83 MO=5 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	2.333	2.251	5.067	0.000	5.000	5.000
GUSP	GUST SPEED (M.P.H.)	6	0	8.167	3.189	10.167	4.000	12.000	8.000
----- DATE=29MAY83 YR=83 MO=5 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	3.333	2.658	7.067	0.000	7.000	7.000
GUSP	GUST SPEED (M.P.H.)	6	0	10.000	5.215	27.200	4.000	18.000	14.000
----- DATE=30MAY83 YR=83 MO=5 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	2.667	2.066	4.267	0.000	5.000	5.000
GUSP	GUST SPEED (M.P.H.)	6	0	7.667	3.327	11.067	4.000	11.000	7.000
----- DATE=31MAY83 YR=83 MO=5 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	3.667	3.445	11.867	0.000	8.000	8.000
GUSP	GUST SPEED (M.P.H.)	6	0	11.167	6.969	48.567	3.000	20.000	17.000
----- DATE=1JUN83 YR=83 MO=6 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	3.000	1.549	2.400	0.000	4.000	4.000
GUSP	GUST SPEED (M.P.H.)	6	0	8.167	2.041	4.167	6.000	10.000	4.000
----- DATE=2JUN83 YR=83 MO=6 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	4.667	2.944	8.667	2.000	8.000	6.000
GUSP	GUST SPEED (M.P.H.)	6	0	11.833	4.167	17.367	8.000	17.000	9.000
----- DATE=3JUN83 YR=83 MO=6 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	3.167	2.137	4.567	0.000	5.000	5.000
GUSP	GUST SPEED (M.P.H.)	6	0	9.500	3.146	9.900	5.000	12.000	7.000



SAS  
DAILY AVERAGE WIND SPEEDS

VARIABLE	LABEL	N	N MISSING	MEAN	STANDARD DEVIATION	VARIANCE	MINIMUM VALUE	MAXIMUM VALUE	RANGE
----- DATE=4JUN83 YR=83 MO=6 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	1.667	2.422	5.867	0.000	6.000	6.000
GUSP	GUST SPEED (M.P.H.)	6	0	6.667	3.559	12.667	3.000	12.000	9.000
----- DATE=5JUN83 YR=83 MO=6 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	4.000	1.897	3.600	1.000	6.000	5.000
GUSP	GUST SPEED (M.P.H.)	6	0	10.167	3.971	15.767	5.000	16.000	11.000
----- DATE=6JUN83 YR=83 MO=6 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	5.000	2.757	7.600	1.000	9.000	8.000
GUSP	GUST SPEED (M.P.H.)	6	0	10.833	4.167	17.367	5.000	15.000	10.000
----- DATE=7JUN83 YR=83 MO=6 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	2.667	2.160	4.667	0.000	6.000	6.000
GUSP	GUST SPEED (M.P.H.)	6	0	7.333	4.131	17.067	2.000	13.000	11.000
----- DATE=8JUN83 YR=83 MO=6 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	2.833	1.941	3.767	0	5.000	5.000
GUSP	GUST SPEED (M.P.H.)	6	0	7.167	4.215	17.767	0	12.000	12.000
----- DATE=9JUN83 YR=83 MO=6 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	2.833	1.722	2.967	1.000	5.000	4.000
GUSP	GUST SPEED (M.P.H.)	6	0	7.833	2.639	6.967	4.000	11.000	7.000
----- DATE=10JUN83 YR=83 MO=6 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	4.833	2.401	5.767	1.000	7.000	6.000
GUSP	GUST SPEED (M.P.H.)	6	0	10.833	2.858	8.167	6.000	14.000	8.000
----- DATE=11JUN83 YR=83 MO=6 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	1.833	1.169	1.367	0.000	3.000	3.000
GUSP	GUST SPEED (M.P.H.)	6	0	6.333	1.506	2.267	5.000	8.000	3.000
----- DATE=12JUN83 YR=83 MO=6 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	1.833	0.983	0.967	1.000	3.000	2.000
GUSP	GUST SPEED (M.P.H.)	6	0	7.000	2.608	6.800	4.000	10.000	6.000
----- DATE=13JUN83 YR=83 MO=6 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	1.667	1.506	2.267	0.000	4.000	4.000
GUSP	GUST SPEED (M.P.H.)	6	0	5.667	2.338	5.467	3.000	9.000	6.000
----- DATE=14JUN83 YR=83 MO=6 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	2.667	2.338	5.467	0.000	5.000	5.000
GUSP	GUST SPEED (M.P.H.)	6	0	8.833	4.834	23.367	3.000	15.000	12.000

SAS  
DAILY AVERAGE WIND SPEEDS

VARIABLE	LABEL	N	N MISSING	MEAN	STANDARD DEVIATION	VARIANCE	MINIMUM VALUE	MAXIMUM VALUE	RANGE
----- DATE=15JUN83 YR=83 MO=6 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	1.667	0.816	0.667	0.000	2.000	2.000
GUSP	GUST SPEED (M.P.H.)	6	0	5.833	2.041	4.167	2.000	8.000	6.000
----- DATE=16JUN83 YR=83 MO=6 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	4.167	2.041	4.167	2.000	7.000	5.000
GUSP	GUST SPEED (M.P.H.)	6	0	10.000	2.280	5.200	7.000	13.000	6.000
----- DATE=17JUN83 YR=83 MO=6 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	3.333	2.160	4.667	0.000	6.000	6.000
GUSP	GUST SPEED (M.P.H.)	6	0	8.667	4.803	23.067	1.000	16.000	15.000
----- DATE=18JUN83 YR=83 MO=6 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	1.500	1.378	1.900	0.000	4.000	4.000
GUSP	GUST SPEED (M.P.H.)	6	0	6.167	1.941	3.767	4.000	9.000	5.000
----- DATE=19JUN83 YR=83 MO=6 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	2.000	1.414	2.000	0.000	4.000	4.000
GUSP	GUST SPEED (M.P.H.)	6	0	7.667	2.160	4.667	5.000	10.000	5.000
----- DATE=20JUN83 YR=83 MO=6 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	2.833	1.941	3.767	0.000	5.000	5.000
GUSP	GUST SPEED (M.P.H.)	6	0	9.333	4.367	19.067	4.000	17.000	13.000
----- DATE=21JUN83 YR=83 MO=6 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	0.167	0.408	0.167	0.000	1.000	1.000
GUSP	GUST SPEED (M.P.H.)	6	0	5.000	3.578	12.800	2.000	12.000	10.000
----- DATE=22JUN83 YR=83 MO=6 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	2.167	2.563	6.567	0	7.000	7.000
GUSP	GUST SPEED (M.P.H.)	6	0	6.500	5.167	26.700	0	15.000	15.000
----- DATE=23JUN83 YR=83 MO=6 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	3.000	2.191	4.800	0.000	6.000	6.000
GUSP	GUST SPEED (M.P.H.)	6	0	9.000	3.286	10.800	5.000	13.000	8.000
----- DATE=24JUN83 YR=83 MO=6 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	2.167	1.329	1.767	0.000	4.000	4.000
GUSP	GUST SPEED (M.P.H.)	6	0	6.667	2.582	6.667	3.000	10.000	7.000
----- DATE=25JUN83 YR=83 MO=6 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	1.833	1.602	2.567	0.000	4.000	4.000
GUSP	GUST SPEED (M.P.H.)	6	0	6.667	2.422	5.867	4.000	10.000	6.000

## DAILY AVERAGE WIND SPEEDS

VARIABLE	LABEL	N	N MISSING	MEAN	STANDARD DEVIATION	VARIANCE	MINIMUM VALUE	MAXIMUM VALUE	RANGE
----- DATE=26JUN83 YR=83 MO=6 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	3.833	2.317	5.367	1.000	6.000	5.000
GUSP	GUST SPEED (M.P.H.)	6	0	12.000	5.215	27.200	5.000	18.000	13.000
----- DATE=27JUN83 YR=83 MO=6 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	2.000	1.789	3.200	0.000	5.000	5.000
GUSP	GUST SPEED (M.P.H.)	6	0	6.333	1.862	3.467	5.000	10.000	5.000
----- DATE=28JUN83 YR=83 MO=6 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	1.500	1.761	3.100	0.000	4.000	4.000
GUSP	GUST SPEED (M.P.H.)	6	0	5.667	3.983	15.867	2.000	12.000	10.000
----- DATE=29JUN83 YR=83 MO=6 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	1.333	1.033	1.067	0.000	3.000	3.000
GUSP	GUST SPEED (M.P.H.)	6	0	6.000	1.897	3.600	4.000	9.000	5.000
----- DATE=30JUN83 YR=83 MO=6 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	2.833	1.835	3.367	0.000	4.000	4.000
GUSP	GUST SPEED (M.P.H.)	6	0	7.833	2.563	6.567	4.000	10.000	6.000
----- DATE=1JUL83 YR=83 MO=7 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	2.833	2.483	6.167	0.000	6.000	6.000
GUSP	GUST SPEED (M.P.H.)	6	0	8.833	4.535	20.567	4.000	15.000	11.000
----- DATE=2JUL83 YR=83 MO=7 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	4.167	2.927	8.567	1.000	8.000	7.000
GUSP	GUST SPEED (M.P.H.)	6	0	10.667	4.367	19.067	5.000	16.000	11.000
----- DATE=3JUL83 YR=83 MO=7 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	3.000	1.673	2.800	1.000	5.000	4.000
GUSP	GUST SPEED (M.P.H.)	6	0	6.500	1.761	3.100	4.000	8.000	4.000
----- DATE=4JUL83 YR=83 MO=7 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	1.333	1.751	3.067	0.000	4.000	4.000
GUSP	GUST SPEED (M.P.H.)	6	0	5.833	2.041	4.167	3.000	8.000	5.000
----- DATE=5JUL83 YR=83 MO=7 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	2.667	1.966	3.867	0.000	5.000	5.000
GUSP	GUST SPEED (M.P.H.)	6	0	8.333	2.160	4.667	5.000	11.000	6.000
----- DATE=6JUL83 YR=83 MO=7 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	3.833	2.137	4.567	1.000	6.000	5.000
GUSP	GUST SPEED (M.P.H.)	6	0	10.167	4.021	16.167	5.000	15.000	10.000

## DAILY AVERAGE WIND SPEEDS

VARIABLE	LABEL	N	N MISSING	MEAN	STANDARD DEVIATION	VARIANCE	MINIMUM VALUE	MAXIMUM VALUE	RANGE
----- DATE=7JUL83 YR=83 MO=7 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	2.333	2.066	4.267	0.000	5.000	5.000
GUSP	GUST SPEED (M.P.H.)	6	0	7.167	3.430	11.767	3.000	11.000	8.000
----- DATE=8JUL83 YR=83 MO=7 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	2.333	2.422	5.867	0.000	6.000	6.000
GUSP	GUST SPEED (M.P.H.)	6	0	7.500	3.782	14.300	3.000	13.000	10.000
----- DATE=9JUL83 YR=83 MO=7 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	1.667	1.366	1.867	0.000	4.000	4.000
GUSP	GUST SPEED (M.P.H.)	6	0	6.167	2.229	4.967	4.000	10.000	6.000
----- DATE=10JUL83 YR=83 MO=7 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	2.833	2.041	4.167	0.000	6.000	6.000
GUSP	GUST SPEED (M.P.H.)	6	0	8.833	3.312	10.967	4.000	14.000	10.000
----- DATE=11JUL83 YR=83 MO=7 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	2.500	1.975	3.900	0.000	4.000	4.000
GUSP	GUST SPEED (M.P.H.)	6	0	6.833	2.714	7.367	3.000	10.000	7.000
----- DATE=12JUL83 YR=83 MO=7 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	3.833	2.483	6.167	0.000	7.000	7.000
GUSP	GUST SPEED (M.P.H.)	6	0	9.333	4.274	18.267	4.000	16.000	12.000
----- DATE=13JUL83 YR=83 MO=7 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	3.167	2.041	4.167	0.000	6.000	6.000
GUSP	GUST SPEED (M.P.H.)	6	0	9.833	4.401	19.367	2.000	14.000	12.000
----- DATE=14JUL83 YR=83 MO=7 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	2.667	2.658	7.067	0.000	6.000	6.000
GUSP	GUST SPEED (M.P.H.)	6	0	7.500	3.834	14.700	4.000	11.000	7.000
----- DATE=15JUL83 YR=83 MO=7 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	2.167	2.563	6.567	0.000	6.000	6.000
GUSP	GUST SPEED (M.P.H.)	6	0	7.667	4.131	17.067	3.000	13.000	10.000
----- DATE=16JUL83 YR=83 MO=7 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	2.333	2.066	4.267	0.000	6.000	6.000
GUSP	GUST SPEED (M.P.H.)	6	0	8.000	3.406	11.600	3.000	13.000	10.000
----- DATE=17JUL83 YR=83 MO=7 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	5.333	1.033	1.067	4.000	6.000	2.000
GUSP	GUST SPEED (M.P.H.)	6	0	11.500	2.429	5.900	7.000	14.000	7.000

SAS  
DAILY AVERAGE WIND SPEEDS

VARIABLE	LABEL	N	N MISSING	DATE	MEAN	STANDARD DEVIATION	VARIANCE	MINIMUM VALUE	MAXIMUM VALUE	RANGE
				DATE=18JUL83	YR=83	MO=7				
AVSP	AVERAGE SPEED (M.P.H.)	6	0	0	4.333	3.077	9.467	0.000	7.000	7.000
GUSP	GUST SPEED (M.P.H.)	6	0	0	10.500	4.637	21.500	4.000	15.000	11.000
				DATE=19JUL83	YR=83	MO=7				
AVSP	AVERAGE SPEED (M.P.H.)	6	0	0	2.833	2.229	4.967	0.000	5.000	5.000
GUSP	GUST SPEED (M.P.H.)	6	0	0	7.500	2.588	6.700	4.000	11.000	7.000
				DATE=20JUL83	YR=83	MO=7				
AVSP	AVERAGE SPEED (M.P.H.)	6	0	0	1.667	1.633	2.667	0.000	4.000	4.000
GUSP	GUST SPEED (M.P.H.)	6	0	0	6.333	3.141	9.867	3.000	11.000	8.000
				DATE=21JUL83	YR=83	MO=7				
AVSP	AVERAGE SPEED (M.P.H.)	6	0	0	1.167	1.329	1.767	0.000	3.000	3.000
GUSP	GUST SPEED (M.P.H.)	6	0	0	4.833	3.312	10.967	1.000	9.000	8.000
				DATE=22JUL83	YR=83	MO=7				
AVSP	AVERAGE SPEED (M.P.H.)	6	0	0	1.667	1.633	2.667	0.000	4.000	4.000
GUSP	GUST SPEED (M.P.H.)	6	0	0	5.667	2.422	5.867	2.000	9.000	7.000
				DATE=23JUL83	YR=83	MO=7				
AVSP	AVERAGE SPEED (M.P.H.)	6	0	0	3.667	2.160	4.667	1.000	6.000	5.000
GUSP	GUST SPEED (M.P.H.)	6	0	0	9.000	2.828	8.000	5.000	12.000	7.000
				DATE=24JUL83	YR=83	MO=7				
AVSP	AVERAGE SPEED (M.P.H.)	6	0	0	2.333	1.633	2.667	0.000	5.000	5.000
GUSP	GUST SPEED (M.P.H.)	6	0	0	6.667	3.077	9.467	4.000	11.000	7.000
				DATE=25JUL83	YR=83	MO=7				
AVSP	AVERAGE SPEED (M.P.H.)	6	0	0	2.000	2.280	5.200	0.000	6.000	6.000
GUSP	GUST SPEED (M.P.H.)	6	0	0	6.500	3.834	14.700	2.000	13.000	11.000
				DATE=26JUL83	YR=83	MO=7				
AVSP	AVERAGE SPEED (M.P.H.)	6	0	0	3.333	1.862	3.467	0.000	5.000	5.000
GUSP	GUST SPEED (M.P.H.)	6	0	0	7.167	2.994	8.967	2.000	11.000	9.000
				DATE=27JUL83	YR=83	MO=7				
AVSP	AVERAGE SPEED (M.P.H.)	6	0	0	3.000	1.789	3.200	0.000	5.000	5.000
GUSP	GUST SPEED (M.P.H.)	6	0	0	7.500	2.168	4.700	4.000	10.000	6.000
				DATE=28JUL83	YR=83	MO=7				
AVSP	AVERAGE SPEED (M.P.H.)	6	0	0	1.333	1.211	1.467	0.000	3.000	3.000
GUSP	GUST SPEED (M.P.H.)	6	0	0	5.667	2.066	4.267	4.000	9.000	5.000

SAS  
DAILY AVERAGE WIND SPEEDS

VARIABLE	LABEL	N	N MISSING	MEAN	STANDARD DEVIATION	VARIANCE	MINIMUM VALUE	MAXIMUM VALUE	RANGE
----- DATE=29JUL83 YR=83 MO=7 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	1.500	2.074	4.300	0.000	5.000	5.000
GUSP	GUST SPEED (M.P.H.)	6	0	5.667	4.131	17.067	2.000	12.000	10.000
----- DATE=30JUL83 YR=83 MO=7 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	0.167	0.408	0.167	0.000	1.000	1.000
GUSP	GUST SPEED (M.P.H.)	6	0	2.667	0.516	0.267	2.000	3.000	1.000
----- DATE=31JUL83 YR=83 MO=7 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	3.500	2.510	6.300	0.000	6.000	6.000
GUSP	GUST SPEED (M.P.H.)	6	0	8.833	4.309	18.567	2.000	14.000	12.000
----- DATE=1AUG83 YR=83 MO=8 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	2.333	1.506	2.267	0.000	4.000	4.000
GUSP	GUST SPEED (M.P.H.)	6	0	8.000	3.033	9.200	4.000	12.000	8.000
----- DATE=2AUG83 YR=83 MO=8 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	4.500	2.258	5.100	1.000	7.000	6.000
GUSP	GUST SPEED (M.P.H.)	6	0	12.167	3.061	9.367	9.000	18.000	9.000
----- DATE=3AUG83 YR=83 MO=8 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	2.167	2.401	5.767	0.000	5.000	5.000
GUSP	GUST SPEED (M.P.H.)	6	0	7.167	3.971	15.767	3.000	12.000	9.000
----- DATE=4AUG83 YR=83 MO=8 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	1.000	1.549	2.400	0.000	4.000	4.000
GUSP	GUST SPEED (M.P.H.)	6	0	4.667	1.966	3.867	2.000	8.000	6.000
----- DATE=5AUG83 YR=83 MO=8 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	2.833	0.983	0.967	2.000	4.000	2.000
GUSP	GUST SPEED (M.P.H.)	6	0	8.167	2.317	5.367	5.000	11.000	6.000
----- DATE=6AUG83 YR=83 MO=8 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	1.833	1.329	1.767	0.000	4.000	4.000
GUSP	GUST SPEED (M.P.H.)	6	0	7.333	2.160	4.667	3.000	9.000	6.000
----- DATE=7AUG83 YR=83 MO=8 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	2.667	2.338	5.467	0.000	6.000	6.000
GUSP	GUST SPEED (M.P.H.)	6	0	8.667	3.830	14.667	4.000	15.000	11.000
----- DATE=8AUG83 YR=83 MO=8 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	4.667	1.633	2.667	3.000	7.000	4.000
GUSP	GUST SPEED (M.P.H.)	6	0	13.167	5.037	25.367	8.000	20.000	12.000

SAS  
DAILY AVERAGE WIND SPEEDS

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VARIABLE	LABEL	N	N MISSING	MEAN	STANDARD DEVIATION	VARIANCE	MINIMUM VALUE	MAXIMUM VALUE	RANGE
----- DATE=9AUG83 YR=83 MO=8 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	3.500	2.510	6.300	0.000	6.000	6.000
GUSP	GUST SPEED (M.P.H.)	6	0	8.500	3.937	15.500	4.000	13.000	9.000
----- DATE=10AUG83 YR=83 MO=8 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	2.000	1.897	3.600	0.000	4.000	4.000
GUSP	GUST SPEED (M.P.H.)	6	0	6.333	3.266	10.667	2.000	10.000	8.000
----- DATE=11AUG83 YR=83 MO=8 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	1.833	1.472	2.167	0.000	4.000	4.000
GUSP	GUST SPEED (M.P.H.)	6	0	6.500	3.017	9.100	2.000	10.000	8.000
----- DATE=12AUG83 YR=83 MO=8 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	3.333	3.077	9.467	0.000	7.000	7.000
GUSP	GUST SPEED (M.P.H.)	6	0	8.500	4.324	18.700	2.000	13.000	11.000
----- DATE=13AUG83 YR=83 MO=8 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	3.500	1.378	1.900	2.000	6.000	4.000
GUSP	GUST SPEED (M.P.H.)	6	0	10.000	2.757	7.600	7.000	14.000	7.000
----- DATE=14AUG83 YR=83 MO=8 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	4.833	1.472	2.167	2.000	6.000	4.000
GUSP	GUST SPEED (M.P.H.)	6	0	9.833	1.169	1.367	9.000	12.000	3.000
----- DATE=15AUG83 YR=83 MO=8 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	6.167	0.753	0.567	5.000	7.000	2.000
GUSP	GUST SPEED (M.P.H.)	6	0	14.333	1.211	1.467	12.000	15.000	3.000
----- DATE=16AUG83 YR=83 MO=8 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	4.000	3.162	10.000	0.000	7.000	7.000
GUSP	GUST SPEED (M.P.H.)	6	0	9.000	5.329	28.400	2.000	15.000	13.000
----- DATE=17AUG83 YR=83 MO=8 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	1.167	1.835	3.367	0.000	4.000	4.000
GUSP	GUST SPEED (M.P.H.)	6	0	7.000	5.797	33.600	3.000	17.000	14.000
----- DATE=18AUG83 YR=83 MO=8 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	2.500	2.811	7.900	0.000	6.000	6.000
GUSP	GUST SPEED (M.P.H.)	6	0	7.833	5.307	28.167	3.000	15.000	12.000
----- DATE=19AUG83 YR=83 MO=8 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	1.333	1.506	2.267	0.000	4.000	4.000
GUSP	GUST SPEED (M.P.H.)	6	0	5.167	2.483	6.167	2.000	8.000	6.000

SAS  
DAILY AVERAGE WIND SPEEDS

VARIABLE	LABEL	N	N MISSING	MEAN	STANDARD DEVIATION	VARIANCE	MINIMUM VALUE	MAXIMUM VALUE	RANGE
----- DATE=20AUG83 YR=83 MO=8 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	2.167	1.472	2.167	0.000	4.000	4.000
GUSP	GUST SPEED (M.P.H.)	6	0	8.333	2.875	8.267	4.000	12.000	8.000
----- DATE=21AUG83 YR=83 MO=8 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	0.667	0.816	0.667	0.000	2.000	2.000
GUSP	GUST SPEED (M.P.H.)	6	0	4.500	1.049	1.100	3.000	6.000	3.000
----- DATE=22AUG83 YR=83 MO=8 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	3.333	2.658	7.067	0.000	6.000	6.000
GUSP	GUST SPEED (M.P.H.)	6	0	10.167	5.707	32.567	3.000	17.000	14.000
----- DATE=23AUG83 YR=83 MO=8 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	1.833	1.835	3.367	0.000	4.000	4.000
GUSP	GUST SPEED (M.P.H.)	6	0	6.167	3.312	10.967	2.000	10.000	8.000
----- DATE=24AUG83 YR=83 MO=8 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	1.667	1.633	2.667	0.000	4.000	4.000
GUSP	GUST SPEED (M.P.H.)	6	0	6.500	4.087	16.700	2.000	13.000	11.000
----- DATE=25AUG83 YR=83 MO=8 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	1.500	1.378	1.900	0.000	3.000	3.000
GUSP	GUST SPEED (M.P.H.)	6	0	5.000	2.530	6.400	2.000	8.000	6.000
----- DATE=26AUG83 YR=83 MO=8 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	2.500	1.761	3.100	0.000	4.000	4.000
GUSP	GUST SPEED (M.P.H.)	6	0	7.000	3.098	9.600	2.000	11.000	9.000
----- DATE=27AUG83 YR=83 MO=8 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	1.833	1.835	3.367	0.000	4.000	4.000
GUSP	GUST SPEED (M.P.H.)	6	0	7.167	2.994	8.967	3.000	10.000	7.000
----- DATE=28AUG83 YR=83 MO=8 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	1.667	1.033	1.067	0.000	3.000	3.000
GUSP	GUST SPEED (M.P.H.)	6	0	6.167	2.401	5.767	3.000	9.000	6.000
----- DATE=29AUG83 YR=83 MO=8 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	4.167	2.994	8.967	2.000	10.000	8.000
GUSP	GUST SPEED (M.P.H.)	6	0	11.333	4.844	23.467	7.000	20.000	13.000
----- DATE=30AUG83 YR=83 MO=8 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	1.667	1.211	1.467	0.000	3.000	3.000
GUSP	GUST SPEED (M.P.H.)	6	0	6.000	1.414	2.000	4.000	8.000	4.000



## DAILY AVERAGE WIND SPEEDS

VARIABLE	LABEL	N	N MISSING	MEAN	STANDARD DEVIATION	VARIANCE	MINIMUM VALUE	MAXIMUM VALUE	RANGE
----- DATE=31AUG83 YR=83 MO=8 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	0.500	0.837	0.700	0	2.000	2.000
GUSP	GUST SPEED (M.P.H.)	6	0	4.167	2.639	6.967	0	8.000	8.000
----- DATE=1SEP83 YR=83 MO=9 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	4.833	3.488	12.167	1.000	8.000	7.000
GUSP	GUST SPEED (M.P.H.)	6	0	10.167	5.076	25.767	5.000	16.000	11.000
----- DATE=2SEP83 YR=83 MO=9 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	3.833	2.994	8.967	0.000	7.000	7.000
GUSP	GUST SPEED (M.P.H.)	6	0	9.000	4.517	20.400	2.000	13.000	11.000
----- DATE=3SEP83 YR=83 MO=9 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	3.500	1.871	3.500	1.000	6.000	5.000
GUSP	GUST SPEED (M.P.H.)	6	0	9.167	3.430	11.767	4.000	13.000	9.000
----- DATE=4SEP83 YR=83 MO=9 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	3.167	2.229	4.967	1.000	6.000	5.000
GUSP	GUST SPEED (M.P.H.)	6	0	7.833	3.061	9.367	5.000	13.000	8.000
----- DATE=5SEP83 YR=83 MO=9 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	1.500	2.074	4.300	0.000	5.000	5.000
GUSP	GUST SPEED (M.P.H.)	6	0	6.500	5.468	29.900	2.000	16.000	14.000
----- DATE=6SEP83 YR=83 MO=9 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	1.667	1.633	2.667	0.000	4.000	4.000
GUSP	GUST SPEED (M.P.H.)	6	0	6.167	1.941	3.767	4.000	9.000	5.000
----- DATE=7SEP83 YR=83 MO=9 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	1.333	1.366	1.867	0.000	3.000	3.000
GUSP	GUST SPEED (M.P.H.)	6	0	5.333	2.422	5.867	2.000	8.000	6.000
----- DATE=8SEP83 YR=83 MO=9 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	1.500	1.643	2.700	0.000	4.000	4.000
GUSP	GUST SPEED (M.P.H.)	6	0	6.167	3.601	12.967	2.000	10.000	8.000
----- DATE=9SEP83 YR=83 MO=9 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	1.167	1.602	2.567	0	4.000	4.000
GUSP	GUST SPEED (M.P.H.)	6	0	5.167	3.189	10.167	0	9.000	9.000
----- DATE=10SEP83 YR=83 MO=9 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	0.333	0.816	0.667	0	2.000	2.000
GUSP	GUST SPEED (M.P.H.)	6	0	3.500	2.429	5.900	0	7.000	7.000

VARIABLE	LABEL	N	N MISSING	MEAN	STANDARD DEVIATION	VARIANCE	MINIMUM VALUE	MAXIMUM VALUE	RANGE
----- DATE=11SEP83 YR=83 MO=9 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	0.333	0.816	0.667	0.000	2.000	2.000
GUSP	GUST SPEED (M.P.H.)	6	0	4.333	1.506	2.267	3.000	7.000	4.000
----- DATE=12SEP83 YR=83 MO=9 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	1.667	1.366	1.867	0.000	4.000	4.000
GUSP	GUST SPEED (M.P.H.)	6	0	6.833	4.021	16.167	4.000	14.000	10.000
----- DATE=13SEP83 YR=83 MO=9 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	2.167	1.722	2.967	0.000	5.000	5.000
GUSP	GUST SPEED (M.P.H.)	6	0	7.500	2.950	8.700	4.000	12.000	8.000
----- DATE=14SEP83 YR=83 MO=9 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	1.000	0.894	0.800	0.000	2.000	2.000
GUSP	GUST SPEED (M.P.H.)	6	0	5.500	1.378	1.900	4.000	8.000	4.000
----- DATE=15SEP83 YR=83 MO=9 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	5.167	1.329	1.767	3.000	6.000	3.000
GUSP	GUST SPEED (M.P.H.)	6	0	9.833	2.401	5.767	7.000	14.000	7.000
----- DATE=16SEP83 YR=83 MO=9 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	3.000	2.098	4.400	0.000	5.000	5.000
GUSP	GUST SPEED (M.P.H.)	6	0	7.333	3.077	9.467	3.000	10.000	7.000
----- DATE=17SEP83 YR=83 MO=9 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	1.333	1.751	3.067	0.000	4.000	4.000
GUSP	GUST SPEED (M.P.H.)	6	0	5.000	2.000	4.000	3.000	8.000	5.000
----- DATE=18SEP83 YR=83 MO=9 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	1.500	1.517	2.300	0.000	4.000	4.000
GUSP	GUST SPEED (M.P.H.)	6	0	6.000	2.280	5.200	3.000	9.000	6.000
----- DATE=19SEP83 YR=83 MO=9 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	3.667	1.751	3.067	2.000	7.000	5.000
GUSP	GUST SPEED (M.P.H.)	6	0	12.167	5.269	27.767	8.000	21.000	13.000
----- DATE=20SEP83 YR=83 MO=9 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	3.500	2.168	4.700	0.000	6.000	6.000
GUSP	GUST SPEED (M.P.H.)	6	0	9.500	3.017	9.100	4.000	12.000	8.000
----- DATE=21SEP83 YR=83 MO=9 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	1.667	2.066	4.267	0.000	5.000	5.000
GUSP	GUST SPEED (M.P.H.)	6	0	5.833	4.119	16.967	2.000	11.000	9.000

## DAILY AVERAGE WIND SPEEDS

VARIABLE	LABEL	N	N MISSING	MEAN	STANDARD DEVIATION	VARIANCE	MINIMUM VALUE	MAXIMUM VALUE	RANGE
DATE=22SEP83 YR=83 MO=9									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	4.500	3.017	9.100	0	8.000	8.000
GUSP	GUST SPEED (M.P.H.)	6	0	10.333	5.820	33.867	0	16.000	16.000
DATE=23SEP83 YR=83 MO=9									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	0	0	0	0	0	0
GUSP	GUST SPEED (M.P.H.)	6	0	0	0	0	0	0	0
DATE=24SEP83 YR=83 MO=9									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	0	0	0	0	0	0
GUSP	GUST SPEED (M.P.H.)	6	0	0	0	0	0	0	0
DATE=25SEP83 YR=83 MO=9									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	0	0	0	0	0	0
GUSP	GUST SPEED (M.P.H.)	6	0	0	0	0	0	0	0
DATE=26SEP83 YR=83 MO=9									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	1.333	1.033	1.067	0	2.000	2.000
GUSP	GUST SPEED (M.P.H.)	6	0	4.833	3.817	14.567	0	8.000	8.000
DATE=27SEP83 YR=83 MO=9									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	5.000	1.789	3.200	2.000	7.000	5.000
GUSP	GUST SPEED (M.P.H.)	6	0	13.333	4.131	17.067	7.000	18.000	11.000
DATE=28SEP83 YR=83 MO=9									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	5.000	1.789	3.200	2.000	7.000	5.000
GUSP	GUST SPEED (M.P.H.)	6	0	12.667	3.386	11.467	7.000	16.000	9.000
DATE=29SEP83 YR=83 MO=9									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	5.667	1.033	1.067	4.000	7.000	3.000
GUSP	GUST SPEED (M.P.H.)	6	0	13.500	3.271	10.700	9.000	19.000	10.000
DATE=30SEP83 YR=83 MO=9									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	3.500	1.871	3.500	0.000	5.000	5.000
GUSP	GUST SPEED (M.P.H.)	6	0	9.500	3.564	12.700	3.000	13.000	10.000
DATE=1OCT83 YR=83 MO=10									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	1.667	1.366	1.867	0.000	3.000	3.000
GUSP	GUST SPEED (M.P.H.)	6	0	5.500	1.761	3.100	3.000	8.000	5.000
DATE=2OCT83 YR=83 MO=10									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	4.667	3.830	14.667	0.000	9.000	9.000
GUSP	GUST SPEED (M.P.H.)	6	0	11.000	6.164	38.000	3.000	19.000	16.000

SAS  
DAILY AVERAGE WIND SPEEDS

VARIABLE	LABEL	N	N MISSING	MEAN	STANDARD DEVIATION	VARIANCE	MINIMUM VALUE	MAXIMUM VALUE	RANGE
----- DATE=30OCT83 YR=83 MO=10 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	5.167	0.753	0.567	4.000	6.000	2.000
GUSP	GUST SPEED (M.P.H.)	6	0	11.833	0.408	0.167	11.000	12.000	1.000
----- DATE=40OCT83 YR=83 MO=10 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	2.333	1.633	2.667	0.000	4.000	4.000
GUSP	GUST SPEED (M.P.H.)	6	0	6.167	2.137	4.567	4.000	9.000	5.000
----- DATE=50OCT83 YR=83 MO=10 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	2.500	1.643	2.700	0.000	4.000	4.000
GUSP	GUST SPEED (M.P.H.)	6	0	8.000	3.098	9.600	3.000	11.000	8.000
----- DATE=60OCT83 YR=83 MO=10 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	4.833	1.472	2.167	3.000	7.000	4.000
GUSP	GUST SPEED (M.P.H.)	6	0	11.000	2.530	6.400	8.000	14.000	6.000
----- DATE=70OCT83 YR=83 MO=10 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	3.000	2.000	4.000	1.000	6.000	5.000
GUSP	GUST SPEED (M.P.H.)	6	0	11.333	10.309	106.267	6.000	32.000	26.000
----- DATE=80OCT83 YR=83 MO=10 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	5.667	1.366	1.867	4.000	8.000	4.000
GUSP	GUST SPEED (M.P.H.)	6	0	13.833	3.656	13.367	11.000	21.000	10.000
----- DATE=90OCT83 YR=83 MO=10 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	4.333	2.066	4.267	1.000	6.000	5.000
GUSP	GUST SPEED (M.P.H.)	6	0	11.167	4.167	17.367	4.000	15.000	11.000
----- DATE=10OCT83 YR=83 MO=10 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	3.333	3.077	9.467	0.000	8.000	8.000
GUSP	GUST SPEED (M.P.H.)	6	0	11.667	7.062	49.867	4.000	21.000	17.000
----- DATE=11OCT83 YR=83 MO=10 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	0.000	0.000	0.000	0	0.000	0.000
GUSP	GUST SPEED (M.P.H.)	6	0	1.333	3.266	10.667	0	8.000	8.000
----- DATE=12OCT83 YR=83 MO=10 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	0.500	0.837	0.700	0	2.000	2.000
GUSP	GUST SPEED (M.P.H.)	6	0	2.833	2.401	5.767	0	6.000	6.000
----- DATE=13OCT83 YR=83 MO=10 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	1.000	1.095	1.200	0	3.000	3.000
GUSP	GUST SPEED (M.P.H.)	6	0	3.500	3.082	9.500	0	8.000	8.000

SAS  
DAILY AVERAGE WIND SPEEDS

VARIABLE	LABEL	N	N MISSING	MEAN	STANDARD DEVIATION	VARIANCE	MINIMUM VALUE	MAXIMUM VALUE	RANGE
----- DATE=14OCT83 YR=83 MO=10 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	2.167	1.169	1.367	1.000	4.000	3.000
GUSP	GUST SPEED (M.P.H.)	6	0	6.500	3.507	12.300	3.000	12.000	9.000
----- DATE=15OCT83 YR=83 MO=10 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	4.667	1.506	2.267	3.000	7.000	4.000
GUSP	GUST SPEED (M.P.H.)	6	0	11.167	4.021	16.167	6.000	17.000	11.000
----- DATE=16OCT83 YR=83 MO=10 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	2.167	2.137	4.567	0	5.000	5.000
GUSP	GUST SPEED (M.P.H.)	6	0	7.167	4.792	22.967	0	12.000	12.000
----- DATE=17OCT83 YR=83 MO=10 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	3.333	1.966	3.867	0.000	5.000	5.000
GUSP	GUST SPEED (M.P.H.)	6	0	7.667	2.251	5.067	5.000	10.000	5.000
----- DATE=18OCT83 YR=83 MO=10 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	2.333	1.966	3.867	0.000	4.000	4.000
GUSP	GUST SPEED (M.P.H.)	6	0	6.333	3.502	12.267	2.000	10.000	8.000
----- DATE=19OCT83 YR=83 MO=10 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	1.167	1.169	1.367	0.000	3.000	3.000
GUSP	GUST SPEED (M.P.H.)	6	0	4.833	2.483	6.167	2.000	9.000	7.000
----- DATE=20OCT83 YR=83 MO=10 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	0.833	0.753	0.567	0.000	2.000	2.000
GUSP	GUST SPEED (M.P.H.)	6	0	4.167	0.983	0.967	3.000	5.000	2.000
----- DATE=21OCT83 YR=83 MO=10 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	0.667	0.816	0.667	0.000	2.000	2.000
GUSP	GUST SPEED (M.P.H.)	6	0	5.000	2.000	4.000	2.000	7.000	5.000
----- DATE=22OCT83 YR=83 MO=10 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	0.833	0.753	0.567	0.000	2.000	2.000
GUSP	GUST SPEED (M.P.H.)	6	0	4.000	1.095	1.200	3.000	6.000	3.000
----- DATE=23OCT83 YR=83 MO=10 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	3.167	2.137	4.567	0.000	6.000	6.000
GUSP	GUST SPEED (M.P.H.)	6	0	7.667	4.131	17.067	2.000	13.000	11.000
----- DATE=24OCT83 YR=83 MO=10 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	1.833	1.941	3.767	0	5.000	5.000
GUSP	GUST SPEED (M.P.H.)	6	0	5.167	3.710	13.767	0	9.000	9.000

SAS  
DAILY AVERAGE WIND SPEEDS

VARIABLE	LABEL	N	N MISSING	MEAN	STANDARD DEVIATION	VARIANCE	MINIMUM VALUE	MAXIMUM VALUE	RANGE
----- DATE=25OCT83 YR=83 MO=10 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	5.000	3.286	10.800	0.000	8.000	8.000
GUSP	GUST SPEED (M.P.H.)	6	0	13.333	6.623	43.867	4.000	20.000	16.000
----- DATE=26OCT83 YR=83 MO=10 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	5.167	1.169	1.367	3.000	6.000	3.000
GUSP	GUST SPEED (M.P.H.)	6	0	14.000	2.530	6.400	11.000	17.000	6.000
----- DATE=27OCT83 YR=83 MO=10 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	1.333	0.816	0.667	0.000	2.000	2.000
GUSP	GUST SPEED (M.P.H.)	6	0	5.333	1.966	3.867	2.000	8.000	6.000
----- DATE=28OCT83 YR=83 MO=10 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	0.167	0.408	0.167	0.000	1.000	1.000
GUSP	GUST SPEED (M.P.H.)	6	0	3.833	0.753	0.567	3.000	5.000	2.000
----- DATE=29OCT83 YR=83 MO=10 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	0.000	0.000	0.000	0.000	0.000	0.000
GUSP	GUST SPEED (M.P.H.)	6	0	3.167	1.169	1.367	2.000	5.000	3.000
----- DATE=30OCT83 YR=83 MO=10 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	5.000	2.530	6.400	1.000	8.000	7.000
GUSP	GUST SPEED (M.P.H.)	6	0	13.000	5.514	30.400	6.000	20.000	14.000
----- DATE=31OCT83 YR=83 MO=10 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	3.833	2.137	4.567	0.000	6.000	6.000
GUSP	GUST SPEED (M.P.H.)	6	0	9.500	3.619	13.100	3.000	13.000	10.000
----- DATE=1NOV83 YR=83 MO=11 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	6.333	1.506	2.267	4.000	8.000	4.000
GUSP	GUST SPEED (M.P.H.)	6	0	15.333	3.204	10.267	10.000	19.000	9.000
----- DATE=2NOV83 YR=83 MO=11 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	3.833	0.753	0.567	3.000	5.000	2.000
GUSP	GUST SPEED (M.P.H.)	6	0	8.333	1.366	1.867	6.000	10.000	4.000
----- DATE=3NOV83 YR=83 MO=11 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	0.000	0.000	0.000	0	0.000	0.000
GUSP	GUST SPEED (M.P.H.)	6	0	1.667	1.033	1.067	0	3.000	3.000
----- DATE=4NOV83 YR=83 MO=11 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	0.167	0.408	0.167	0.000	1.000	1.000
GUSP	GUST SPEED (M.P.H.)	6	0	2.000	0.894	0.800	1.000	3.000	2.000

SAS  
DAILY AVERAGE WIND SPEEDS

VARIABLE	LABEL	N	N MISSING	MEAN	STANDARD DEVIATION	VARIANCE	MINIMUM VALUE	MAXIMUM VALUE	RANGE
----- DATE=5NOV83 YR=83 MO=11 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	5.333	2.251	5.067	1.000	7.000	6.000
GUSP	GUST SPEED (M.P.H.)	6	0	12.167	3.312	10.967	6.000	15.000	9.000
----- DATE=6NOV83 YR=83 MO=11 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	8.167	0.753	0.567	7.000	9.000	2.000
GUSP	GUST SPEED (M.P.H.)	6	0	17.333	1.506	2.267	16.000	20.000	4.000
----- DATE=7NOV83 YR=83 MO=11 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	7.500	0.548	0.300	7.000	8.000	1.000
GUSP	GUST SPEED (M.P.H.)	6	0	18.167	2.041	4.167	17.000	22.000	5.000
----- DATE=8NOV83 YR=83 MO=11 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	8.333	1.033	1.067	7.000	10.000	3.000
GUSP	GUST SPEED (M.P.H.)	6	0	20.333	3.077	9.467	17.000	26.000	9.000
----- DATE=9NOV83 YR=83 MO=11 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	7.000	0.894	0.800	6.000	8.000	2.000
GUSP	GUST SPEED (M.P.H.)	6	0	17.833	5.636	31.767	14.000	28.000	14.000
----- DATE=10NOV83 YR=83 MO=11 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	7.833	1.169	1.367	6.000	9.000	3.000
GUSP	GUST SPEED (M.P.H.)	6	0	18.000	2.757	7.600	14.000	22.000	8.000
----- DATE=11NOV83 YR=83 MO=11 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	4.500	1.225	1.500	3.000	6.000	3.000
GUSP	GUST SPEED (M.P.H.)	6	0	11.000	2.898	8.400	7.000	15.000	8.000
----- DATE=12NOV83 YR=83 MO=11 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	4.167	0.408	0.167	4.000	5.000	1.000
GUSP	GUST SPEED (M.P.H.)	6	0	10.167	1.602	2.567	8.000	12.000	4.000
----- DATE=13NOV83 YR=83 MO=11 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	3.667	1.366	1.867	2.000	5.000	3.000
GUSP	GUST SPEED (M.P.H.)	6	0	8.833	2.317	5.367	6.000	12.000	6.000
----- DATE=14NOV83 YR=83 MO=11 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	6.333	0.816	0.667	6.000	8.000	2.000
GUSP	GUST SPEED (M.P.H.)	6	0	16.667	3.386	11.467	13.000	22.000	9.000
----- DATE=15NOV83 YR=83 MO=11 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	6.167	0.983	0.967	5.000	7.000	2.000
GUSP	GUST SPEED (M.P.H.)	6	0	16.000	3.162	10.000	11.000	20.000	9.000

SAS  
DAILY AVERAGE WIND SPEEDS

VARIABLE	LABEL	N	N MISSING	MEAN	STANDARD DEVIATION	VARIANCE	MINIMUM VALUE	MAXIMUM VALUE	RANGE
----- DATE=16NOV83 YR=83 MO=11 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	5.500	0.548	0.300	5.000	6.000	1.000
GUSP	GUST SPEED (M.P.H.)	6	0	13.833	2.483	6.167	11.000	17.000	6.000
----- DATE=17NOV83 YR=83 MO=11 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	5.500	1.225	1.500	4.000	7.000	3.000
GUSP	GUST SPEED (M.P.H.)	6	0	14.333	3.445	11.867	8.000	17.000	9.000
----- DATE=18NOV83 YR=83 MO=11 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	4.000	0.000	0.000	4.000	4.000	0.000
GUSP	GUST SPEED (M.P.H.)	6	0	9.333	1.033	1.067	8.000	11.000	3.000
----- DATE=19NOV83 YR=83 MO=11 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	7.167	1.835	3.367	5.000	10.000	5.000
GUSP	GUST SPEED (M.P.H.)	6	0	17.333	3.204	10.267	13.000	23.000	10.000
----- DATE=20NOV83 YR=83 MO=11 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	7.167	0.753	0.567	6.000	8.000	2.000
GUSP	GUST SPEED (M.P.H.)	6	0	19.000	3.578	12.800	14.000	24.000	10.000
----- DATE=21NOV83 YR=83 MO=11 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	7.000	1.265	1.600	5.000	8.000	3.000
GUSP	GUST SPEED (M.P.H.)	6	0	16.000	2.366	5.600	12.000	19.000	7.000
----- DATE=22NOV83 YR=83 MO=11 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	0.667	1.211	1.467	0	3.000	3.000
GUSP	GUST SPEED (M.P.H.)	6	0	3.000	3.521	12.400	0	9.000	9.000
----- DATE=23NOV83 YR=83 MO=11 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	0.500	1.225	1.500	0	3.000	3.000
GUSP	GUST SPEED (M.P.H.)	6	0	2.667	3.933	15.467	0	10.000	10.000
----- DATE=24NOV83 YR=83 MO=11 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	7.333	1.033	1.067	6.000	8.000	2.000
GUSP	GUST SPEED (M.P.H.)	6	0	20.167	2.229	4.967	17.000	23.000	6.000
----- DATE=25NOV83 YR=83 MO=11 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	6.667	0.816	0.667	6.000	8.000	2.000
GUSP	GUST SPEED (M.P.H.)	6	0	16.833	1.169	1.367	15.000	18.000	3.000
----- DATE=26NOV83 YR=83 MO=11 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	7.500	1.378	1.900	6.000	9.000	3.000
GUSP	GUST SPEED (M.P.H.)	6	0	17.500	2.588	6.700	15.000	21.000	6.000



## DAILY AVERAGE WIND SPEEDS

VARIABLE	LABEL	N	N MISSING	MEAN	STANDARD DEVIATION	VARIANCE	MINIMUM VALUE	MAXIMUM VALUE	RANGE
----- DATE=27NOV83 YR=83 MO=11 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	7.833	0.983	0.967	6.000	9.000	3.000
GUSP	GUST SPEED (M.P.H.)	6	0	18.833	2.483	6.167	16.000	23.000	7.000
----- DATE=28NOV83 YR=83 MO=11 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	9.167	0.753	0.567	8.000	10.000	2.000
GUSP	GUST SPEED (M.P.H.)	6	0	20.833	3.545	12.567	18.000	27.000	9.000
----- DATE=29NOV83 YR=83 MO=11 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	7.333	1.506	2.267	6.000	10.000	4.000
GUSP	GUST SPEED (M.P.H.)	6	0	20.167	2.787	7.767	16.000	23.000	7.000
----- DATE=30NOV83 YR=83 MO=11 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	7.500	0.548	0.300	7.000	8.000	1.000
GUSP	GUST SPEED (M.P.H.)	6	0	19.000	2.098	4.400	16.000	21.000	5.000
----- DATE=1DEC83 YR=83 MO=12 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	7.167	0.753	0.567	6.000	8.000	2.000
GUSP	GUST SPEED (M.P.H.)	6	0	17.500	2.168	4.700	15.000	21.000	6.000
----- DATE=2DEC83 YR=83 MO=12 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	3.667	1.966	3.867	1.000	6.000	5.000
GUSP	GUST SPEED (M.P.H.)	6	0	9.333	3.011	9.067	5.000	13.000	8.000
----- DATE=3DEC83 YR=83 MO=12 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	1.333	0.816	0.667	0.000	2.000	2.000
GUSP	GUST SPEED (M.P.H.)	6	0	5.833	2.639	6.967	3.000	10.000	7.000
----- DATE=4DEC83 YR=83 MO=12 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	2.333	2.582	6.667	0	5.000	5.000
GUSP	GUST SPEED (M.P.H.)	6	0	5.667	4.633	21.467	0	10.000	10.000
----- DATE=5DEC83 YR=83 MO=12 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	3.500	0.837	0.700	3.000	5.000	2.000
GUSP	GUST SPEED (M.P.H.)	6	0	8.167	1.472	2.167	7.000	10.000	3.000
----- DATE=6DEC83 YR=83 MO=12 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	5.500	1.049	1.100	4.000	7.000	3.000
GUSP	GUST SPEED (M.P.H.)	6	0	12.667	2.875	8.267	8.000	16.000	8.000
----- DATE=7DEC83 YR=83 MO=12 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	7.167	0.753	0.567	6.000	8.000	2.000
GUSP	GUST SPEED (M.P.H.)	6	0	15.333	2.066	4.267	12.000	18.000	6.000

SAS  
DAILY AVERAGE WIND SPEEDS

VARIABLE	LABEL	N	N MISSING	MEAN	STANDARD DEVIATION	VARIANCE	MINIMUM VALUE	MAXIMUM VALUE	RANGE
----- DATE=8DEC83 YR=83 MO=12 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	7.167	0.753	0.567	6.000	8.000	2.000
GUSP	GUST SPEED (M.P.H.)	6	0	19.167	2.858	8.167	17.000	24.000	7.000
----- DATE=9DEC83 YR=83 MO=12 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	6.000	0.632	0.400	5.000	7.000	2.000
GUSP	GUST SPEED (M.P.H.)	6	0	15.333	2.582	6.667	12.000	19.000	7.000
----- DATE=10DEC83 YR=83 MO=12 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	6.500	1.225	1.500	6.000	9.000	3.000
GUSP	GUST SPEED (M.P.H.)	6	0	16.000	2.683	7.200	13.000	19.000	6.000
----- DATE=11DEC83 YR=83 MO=12 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	6.167	0.753	0.567	5.000	7.000	2.000
GUSP	GUST SPEED (M.P.H.)	6	0	19.000	3.847	14.800	13.000	23.000	10.000
----- DATE=12DEC83 YR=83 MO=12 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	6.500	0.548	0.300	6.000	7.000	1.000
GUSP	GUST SPEED (M.P.H.)	6	0	17.500	2.168	4.700	15.000	20.000	5.000
----- DATE=13DEC83 YR=83 MO=12 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	6.333	0.516	0.267	6.000	7.000	1.000
GUSP	GUST SPEED (M.P.H.)	6	0	16.333	2.658	7.067	12.000	20.000	8.000
----- DATE=14DEC83 YR=83 MO=12 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	0.833	1.602	2.567	0	4.000	4.000
GUSP	GUST SPEED (M.P.H.)	6	0	3.667	3.882	15.067	0	11.000	11.000
----- DATE=15DEC83 YR=83 MO=12 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	4.333	2.422	5.867	0.000	6.000	6.000
GUSP	GUST SPEED (M.P.H.)	6	0	11.500	4.370	19.100	4.000	16.000	12.000
----- DATE=16DEC83 YR=83 MO=12 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	5.833	1.329	1.767	4.000	8.000	4.000
GUSP	GUST SPEED (M.P.H.)	6	0	12.667	1.366	1.867	11.000	15.000	4.000
----- DATE=17DEC83 YR=83 MO=12 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	7.500	0.837	0.700	6.000	8.000	2.000
GUSP	GUST SPEED (M.P.H.)	6	0	18.500	1.225	1.500	17.000	20.000	3.000
----- DATE=18DEC83 YR=83 MO=12 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	3.667	2.733	7.467	0.000	7.000	7.000
GUSP	GUST SPEED (M.P.H.)	6	0	9.167	4.622	21.367	3.000	15.000	12.000

SAS  
DAILY AVERAGE WIND SPEEDS

VARIABLE	LABEL	N	N MISSING	MEAN	STANDARD DEVIATION	VARIANCE	MINIMUM VALUE	MAXIMUM VALUE	RANGE
----- DATE=19DEC83 YR=83 MO=12 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	6.667	0.816	0.667	6.000	8.000	2.000
GUSP	GUST SPEED (M.P.H.)	6	0	16.000	2.530	6.400	13.000	20.000	7.000
----- DATE=20DEC83 YR=83 MO=12 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	8.333	1.211	1.467	7.000	10.000	3.000
GUSP	GUST SPEED (M.P.H.)	6	0	17.833	2.787	7.767	14.000	21.000	7.000
----- DATE=21DEC83 YR=83 MO=12 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	8.000	0.632	0.400	7.000	9.000	2.000
GUSP	GUST SPEED (M.P.H.)	6	0	18.000	1.789	3.200	16.000	21.000	5.000
----- DATE=22DEC83 YR=83 MO=12 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	7.667	1.033	1.067	6.000	9.000	3.000
GUSP	GUST SPEED (M.P.H.)	6	0	18.167	3.920	15.367	13.000	23.000	10.000
----- DATE=23DEC83 YR=83 MO=12 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	4.667	1.033	1.067	3.000	6.000	3.000
GUSP	GUST SPEED (M.P.H.)	6	0	11.500	2.588	6.700	7.000	14.000	7.000
----- DATE=24DEC83 YR=83 MO=12 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	1.333	1.506	2.267	0.000	4.000	4.000
GUSP	GUST SPEED (M.P.H.)	6	0	5.333	2.658	7.067	2.000	8.000	6.000
----- DATE=25DEC83 YR=83 MO=12 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	3.667	2.251	5.067	0.000	6.000	6.000
GUSP	GUST SPEED (M.P.H.)	6	0	8.333	3.882	15.067	2.000	12.000	10.000
----- DATE=26DEC83 YR=83 MO=12 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	6.000	0.632	0.400	5.000	7.000	2.000
GUSP	GUST SPEED (M.P.H.)	6	0	14.500	2.258	5.100	12.000	18.000	6.000
----- DATE=27DEC83 YR=83 MO=12 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	6.000	0.894	0.800	5.000	7.000	2.000
GUSP	GUST SPEED (M.P.H.)	6	0	14.167	2.483	6.167	11.000	18.000	7.000
----- DATE=28DEC83 YR=83 MO=12 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	6.500	1.517	2.300	4.000	8.000	4.000
GUSP	GUST SPEED (M.P.H.)	6	0	16.333	3.077	9.467	11.000	20.000	9.000
----- DATE=29DEC83 YR=83 MO=12 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	5.500	0.548	0.300	5.000	6.000	1.000
GUSP	GUST SPEED (M.P.H.)	6	0	13.500	2.811	7.900	11.000	19.000	8.000

SAS  
DAILY AVERAGE WIND SPEEDS

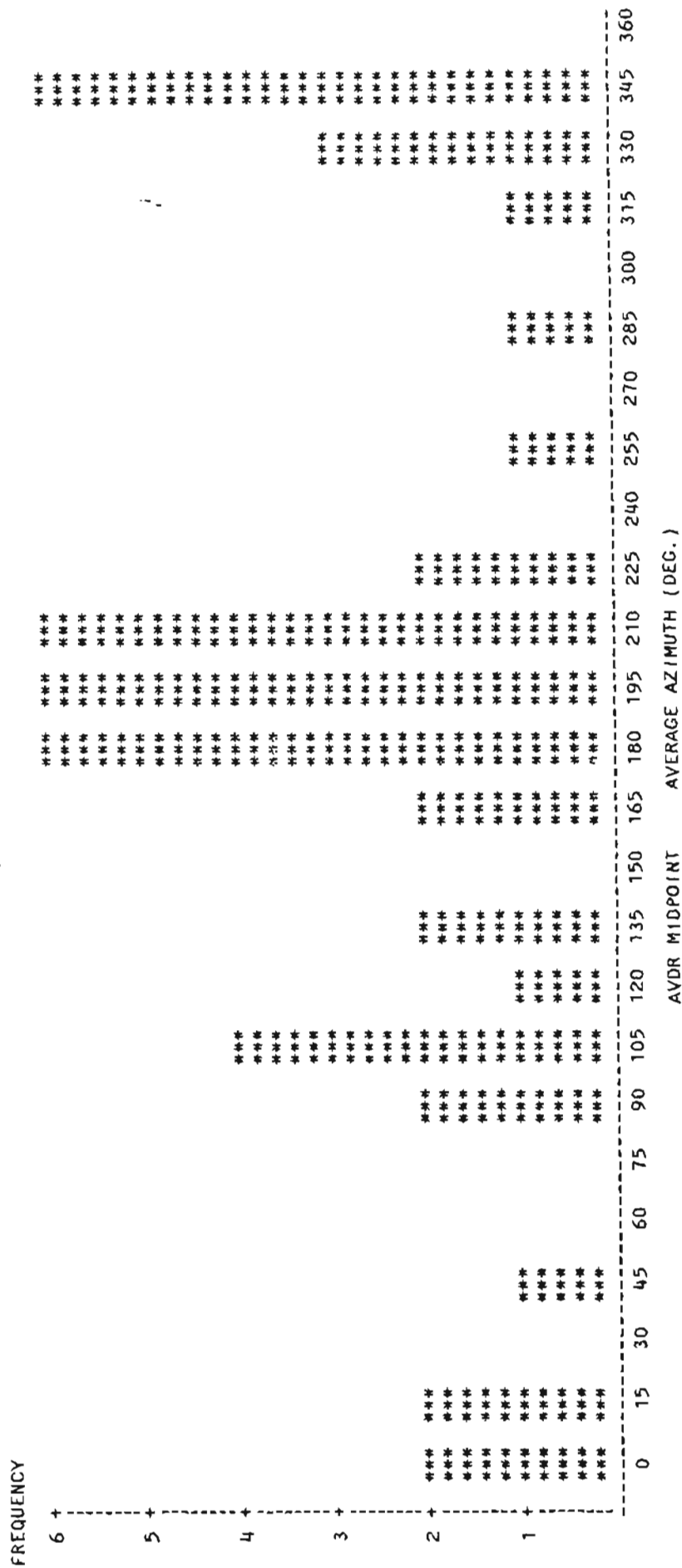
83

VARIABLE	LABEL	N	N MISSING	MEAN	STANDARD DEVIATION	VARIANCE	MINIMUM VALUE	MAXIMUM VALUE	RANGE
----- DATE=30DEC83    YR=83    MO=12 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	6.333	0.516	0.267	6.000	7.000	1.000
GUSP	GUST SPEED (M.P.H.)	6	0	14.000	1.549	2.400	11.000	15.000	4.000
----- DATE=31DEC83    YR=83    MO=12 -----									
AVSP	AVERAGE SPEED (M.P.H.)	6	0	6.000	1.265	1.600	5.000	8.000	3.000
GUSP	GUST SPEED (M.P.H.)	6	0	14.833	2.927	8.567	11.000	18.000	7.000
----- DATE=18FEB93    YR=93    MO=2 -----									
AVSP	AVERAGE SPEED (M.P.H.)	0	1	.	.	.	.	.	.
GUSP	GUST SPEED (M.P.H.)	0	1	.	.	.	.	.	.

SAS  
MONTHLY FREQUENCY OF AVERAGE WIND AZIMUTHS

YR=83 MO=1

FREQUENCY BAR CHART

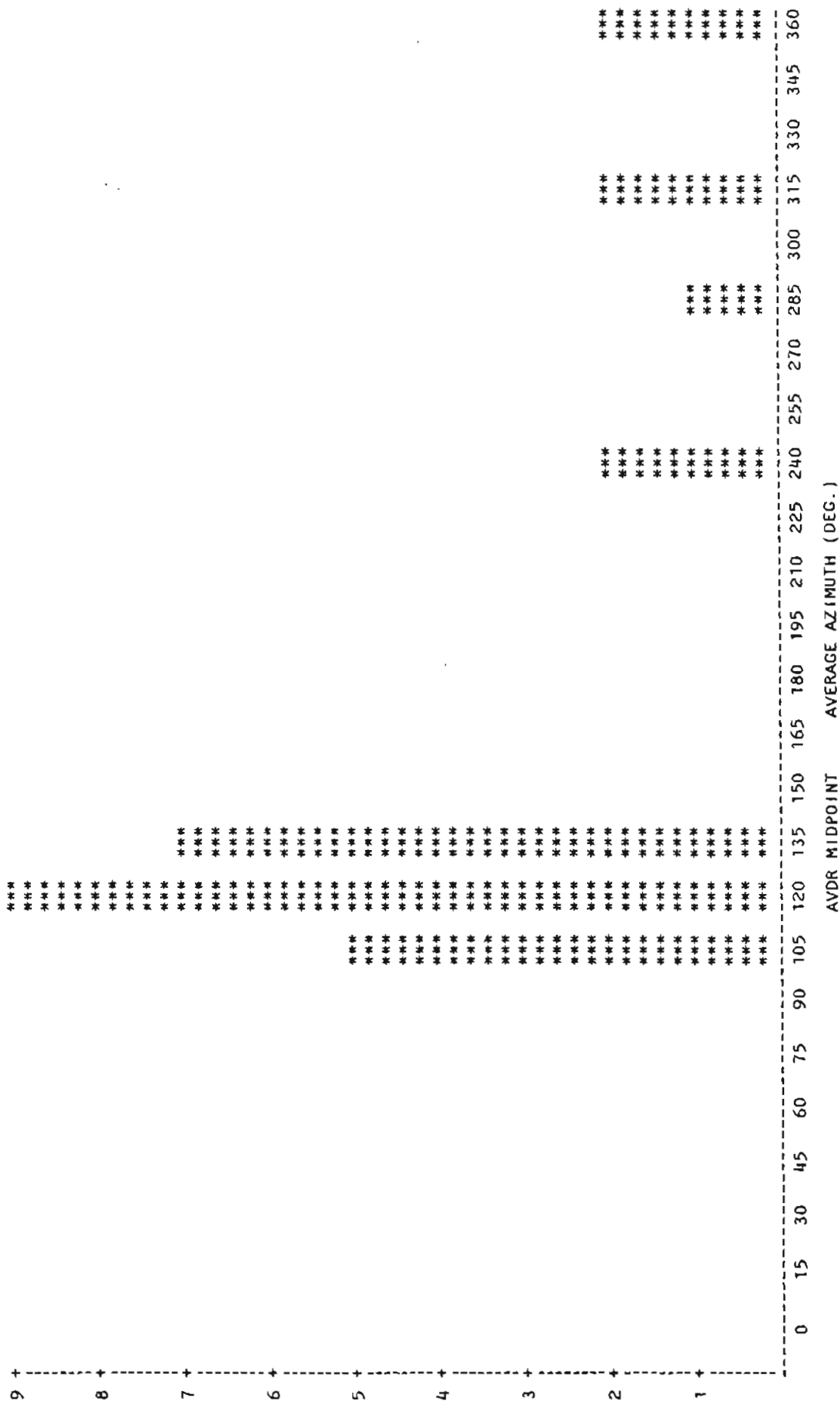


SAS  
MONTHLY FREQUENCY OF AVERAGE WIND AZIMUTHS

YR=83 MO=2

FREQUENCY BAR CHART

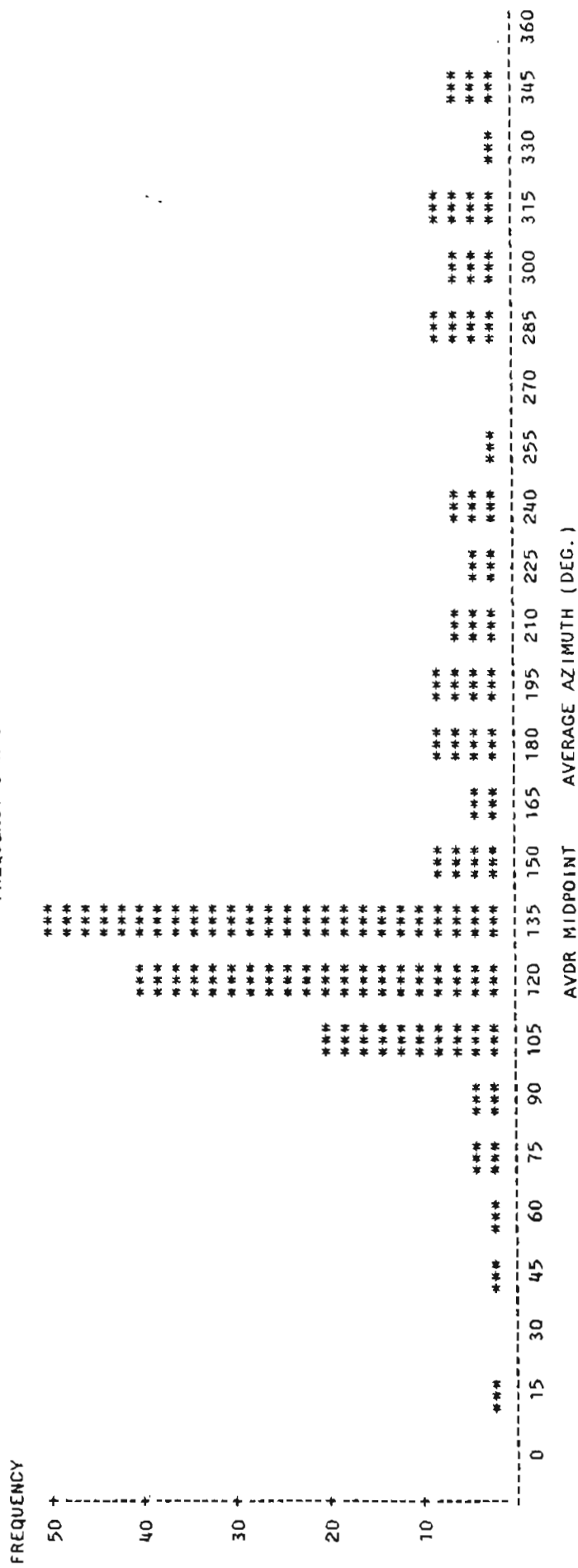
FREQUENCY



SAS  
MONTHLY FREQUENCY OF AVERAGE WIND AZIMUTHS

YR=83 MO=3

FREQUENCY BAR CHART

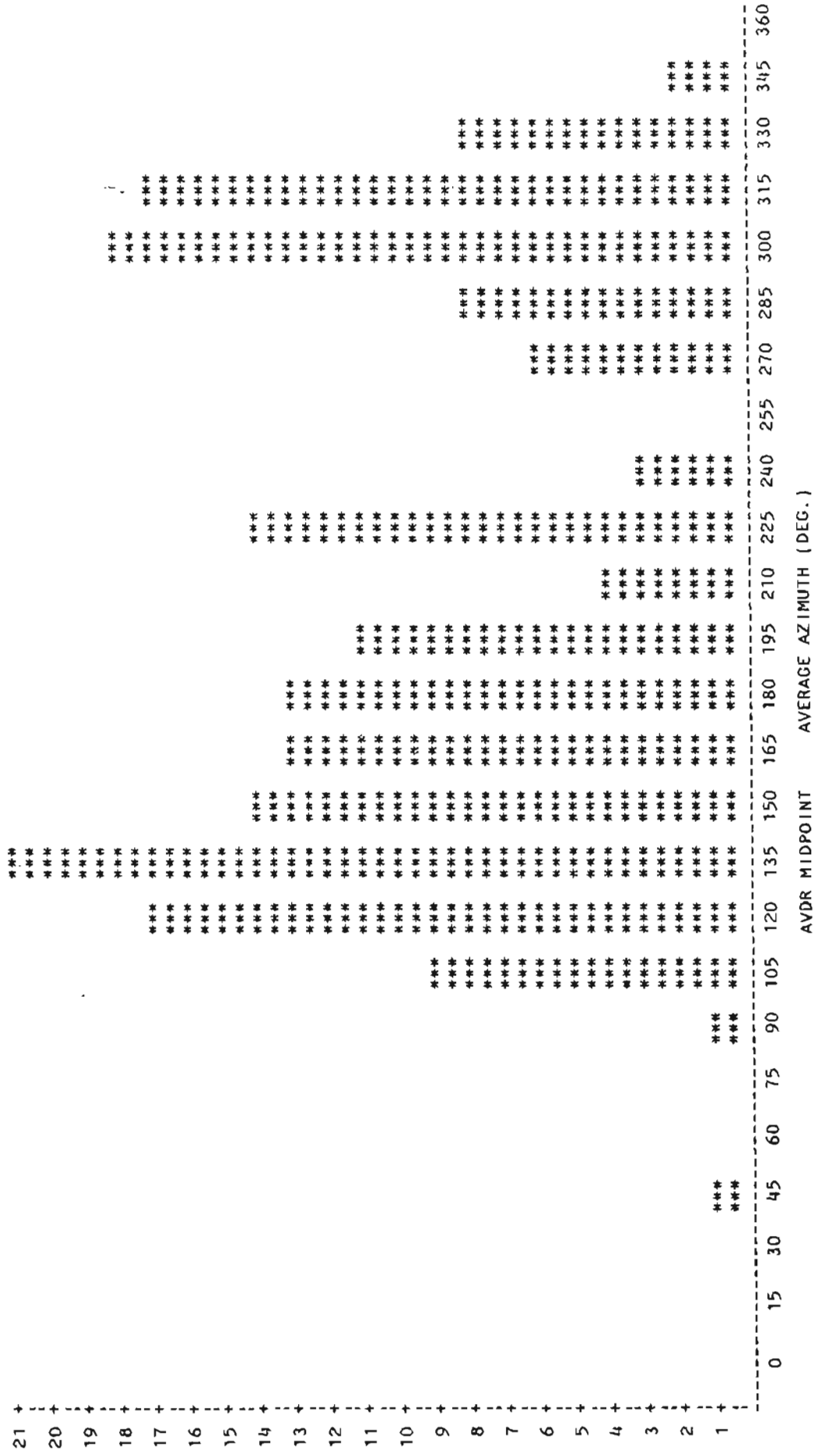


SAS  
MONTHLY FREQUENCY OF AVERAGE WIND AZIMUTHS

YR=83 MO=4

FREQUENCY BAR CHART

FREQUENCY

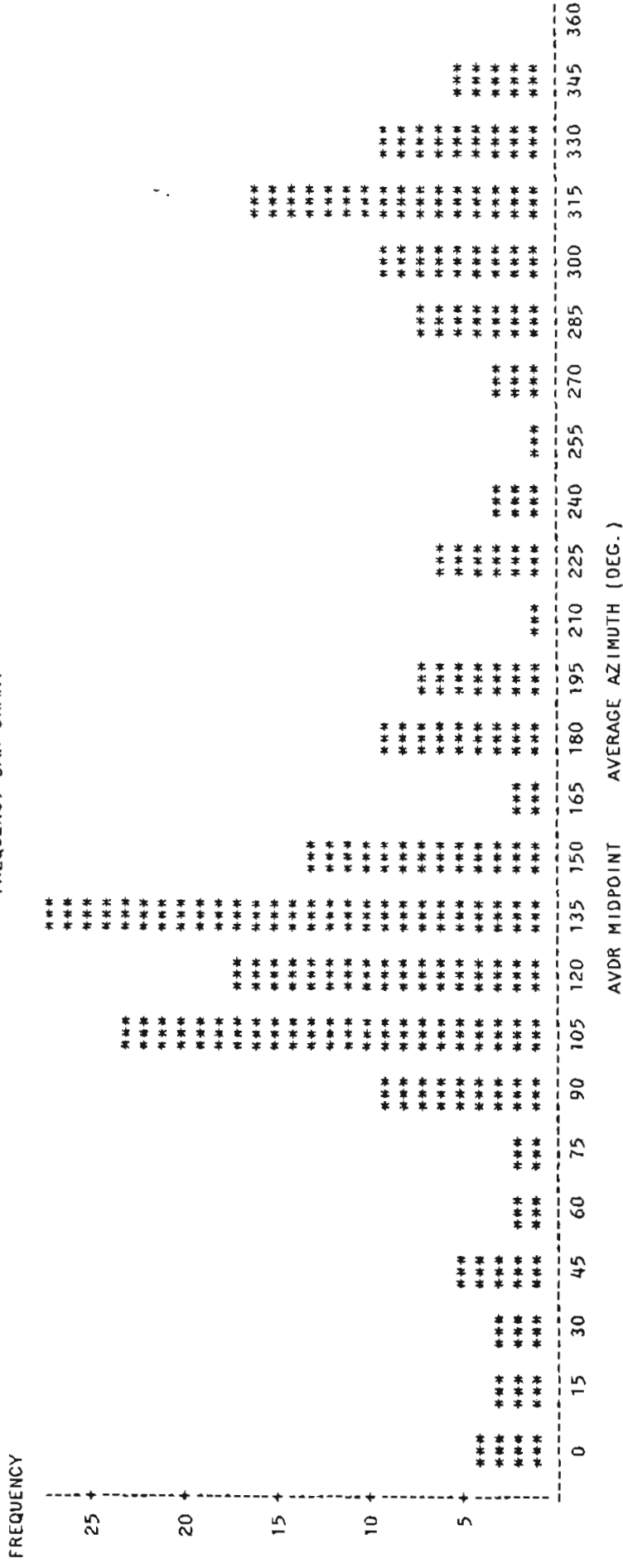




SAS  
MONTHLY FREQUENCY OF AVERAGE WIND AZIMUTHS

YR=83 MO=5

FREQUENCY BAR CHART



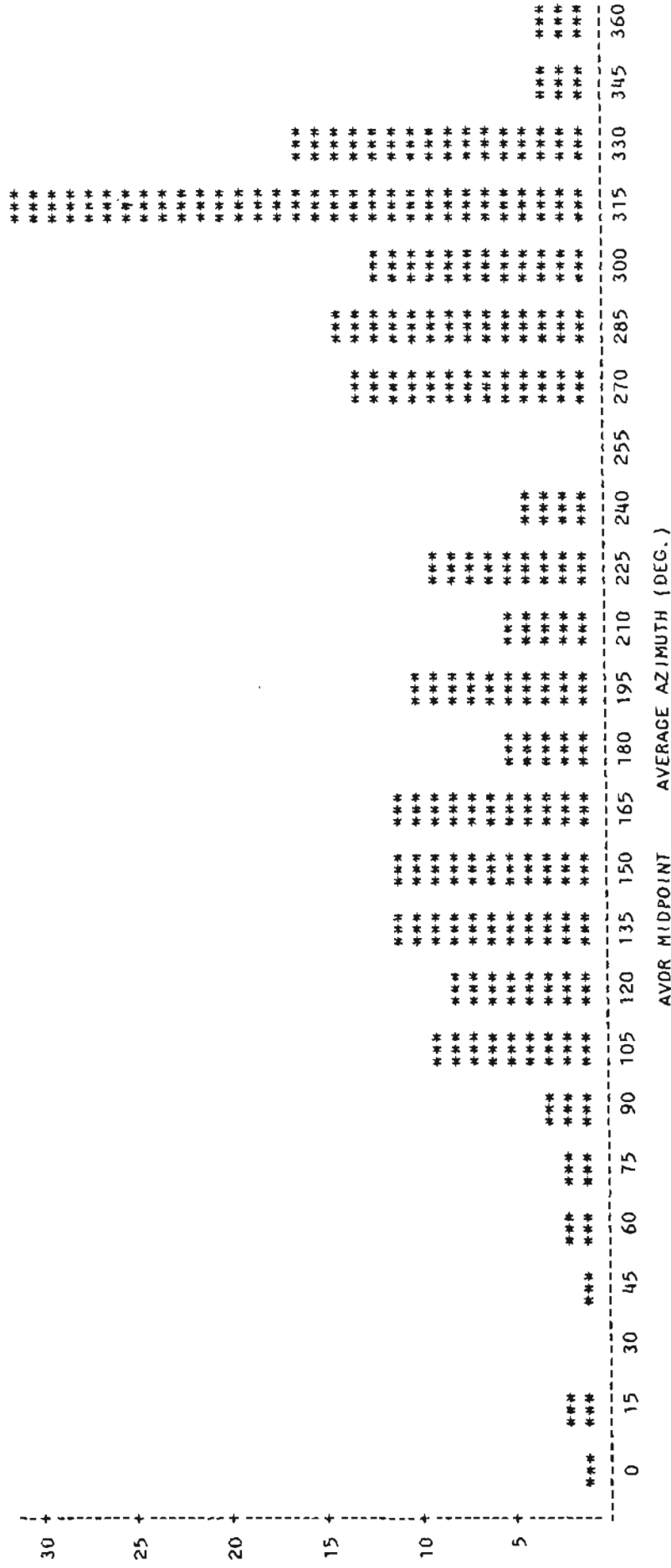


SAS  
MONTHLY FREQUENCY OF AVERAGE WIND AZIMUTHS

YR=63 MO=7

FREQUENCY BAR CHART

FREQUENCY

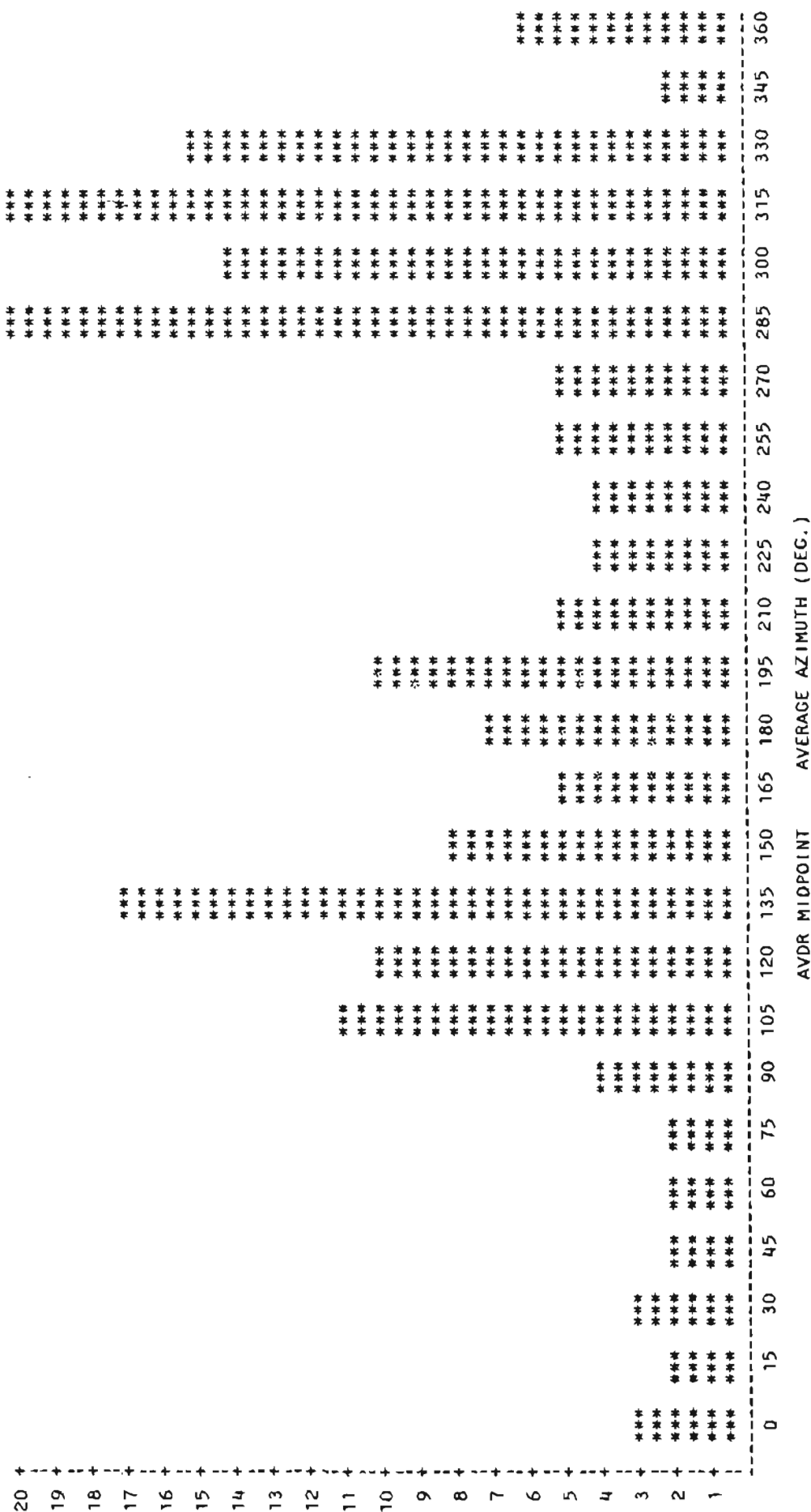


SAS  
MONTHLY FREQUENCY OF AVERAGE WIND AZIMUTHS

YR=83 MD=8

FREQUENCY BAR CHART

FREQUENCY

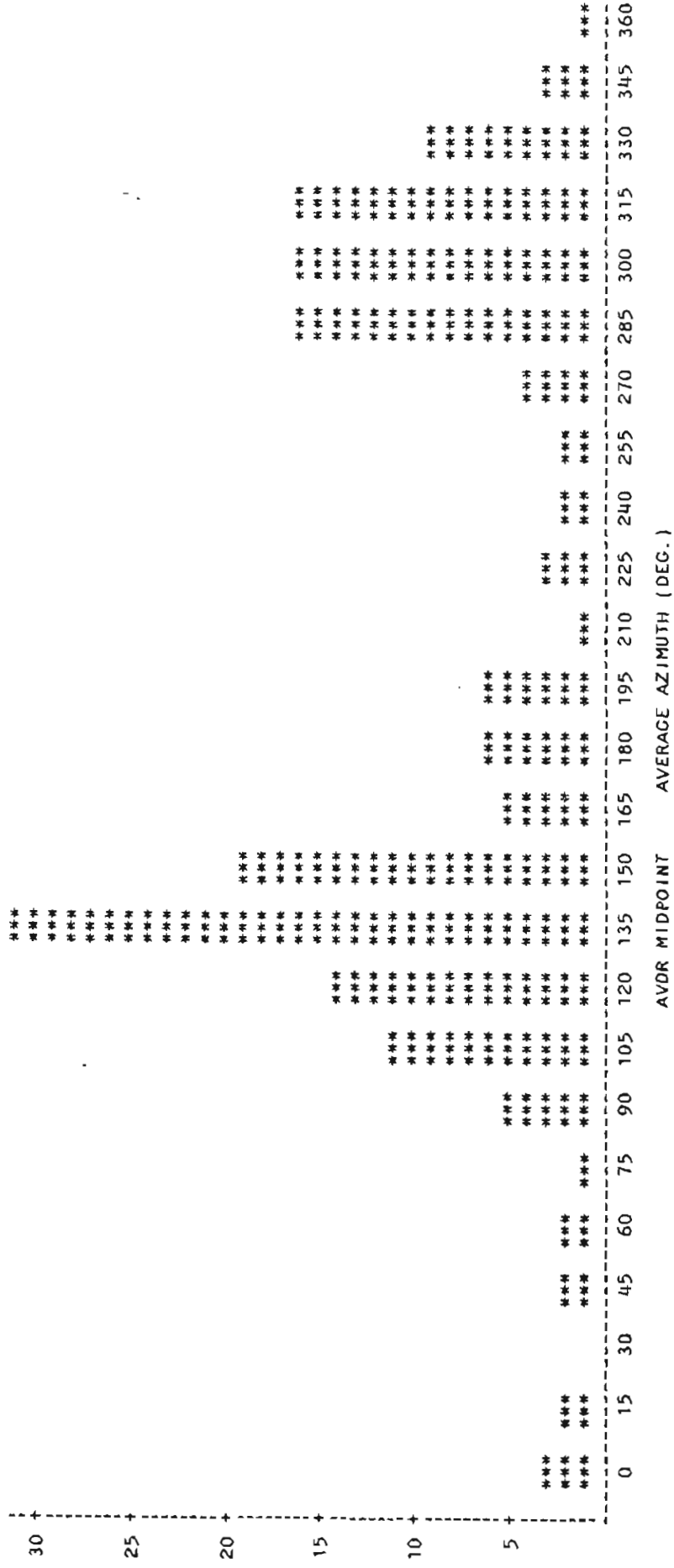


SAS  
MONTHLY FREQUENCY OF AVERAGE WIND AZIMUTHS

YR=83 MO=9

## FREQUENCY BAR CHART

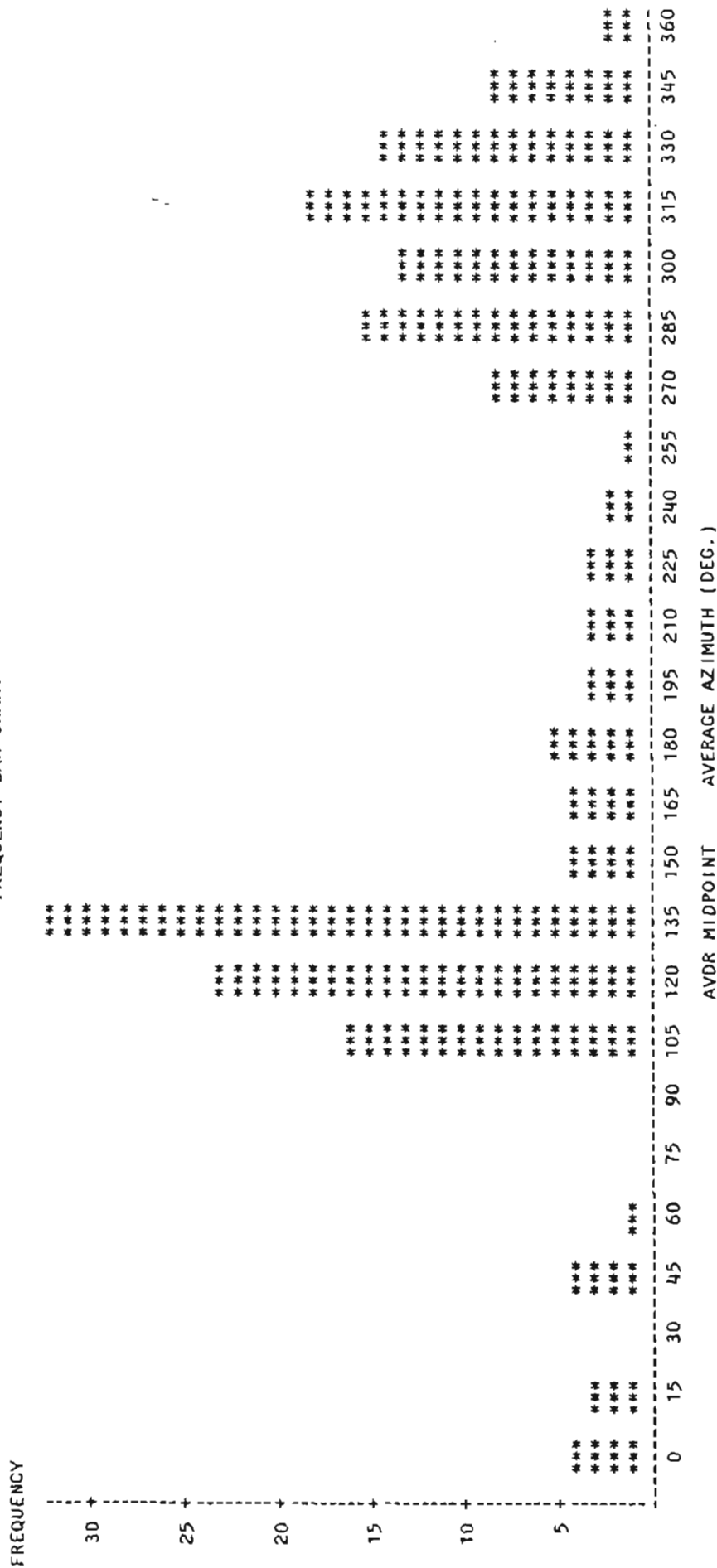
FREQUENCY



SAS  
MONTHLY FREQUENCY OF AVERAGE WIND AZIMUTHS

YR=83 MO=10

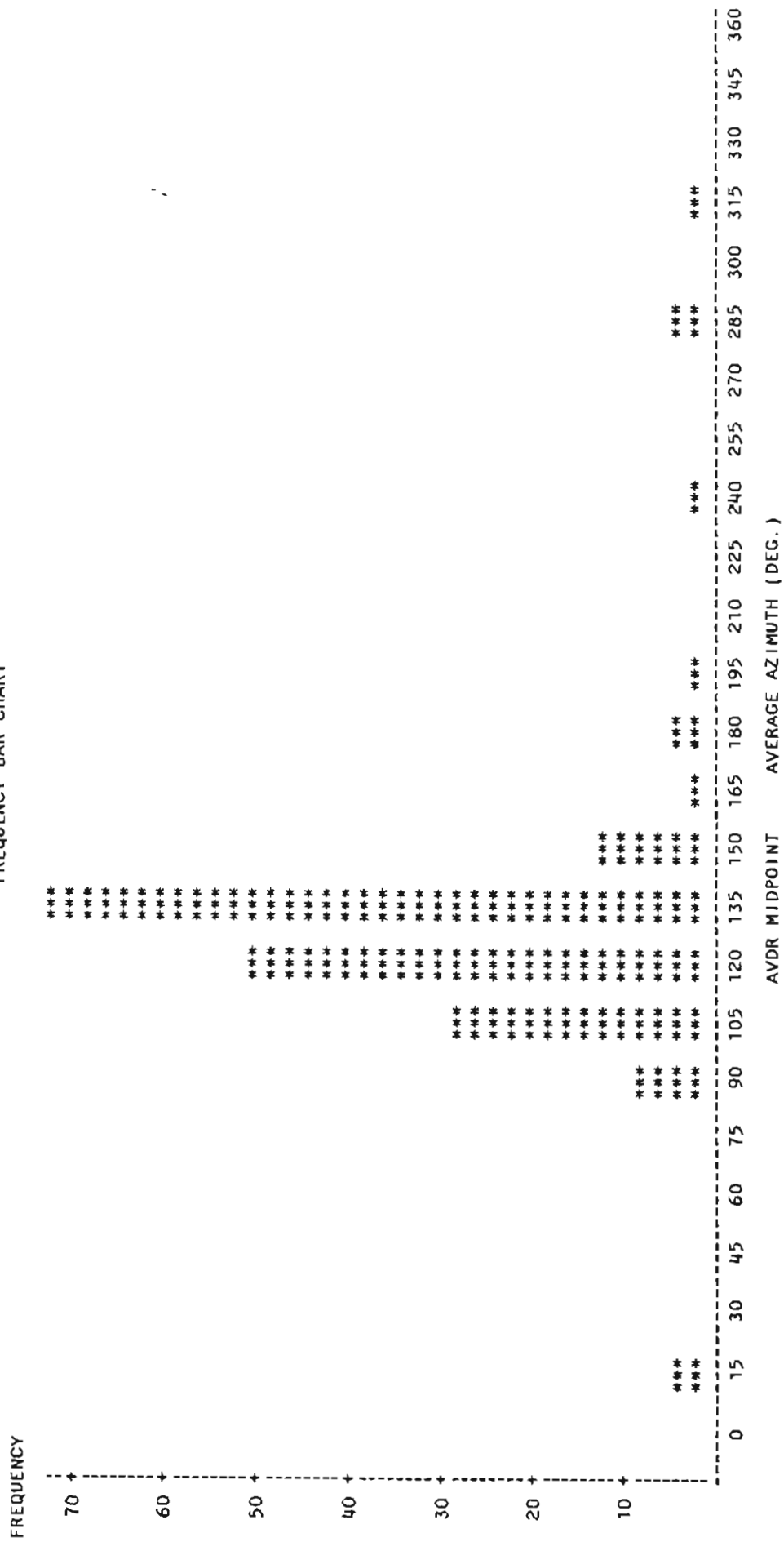
FREQUENCY BAR CHART



SAS  
MONTHLY FREQUENCY OF AVERAGE WIND AZIMUTHS

YR=83 MO=11

FREQUENCY BAR CHART

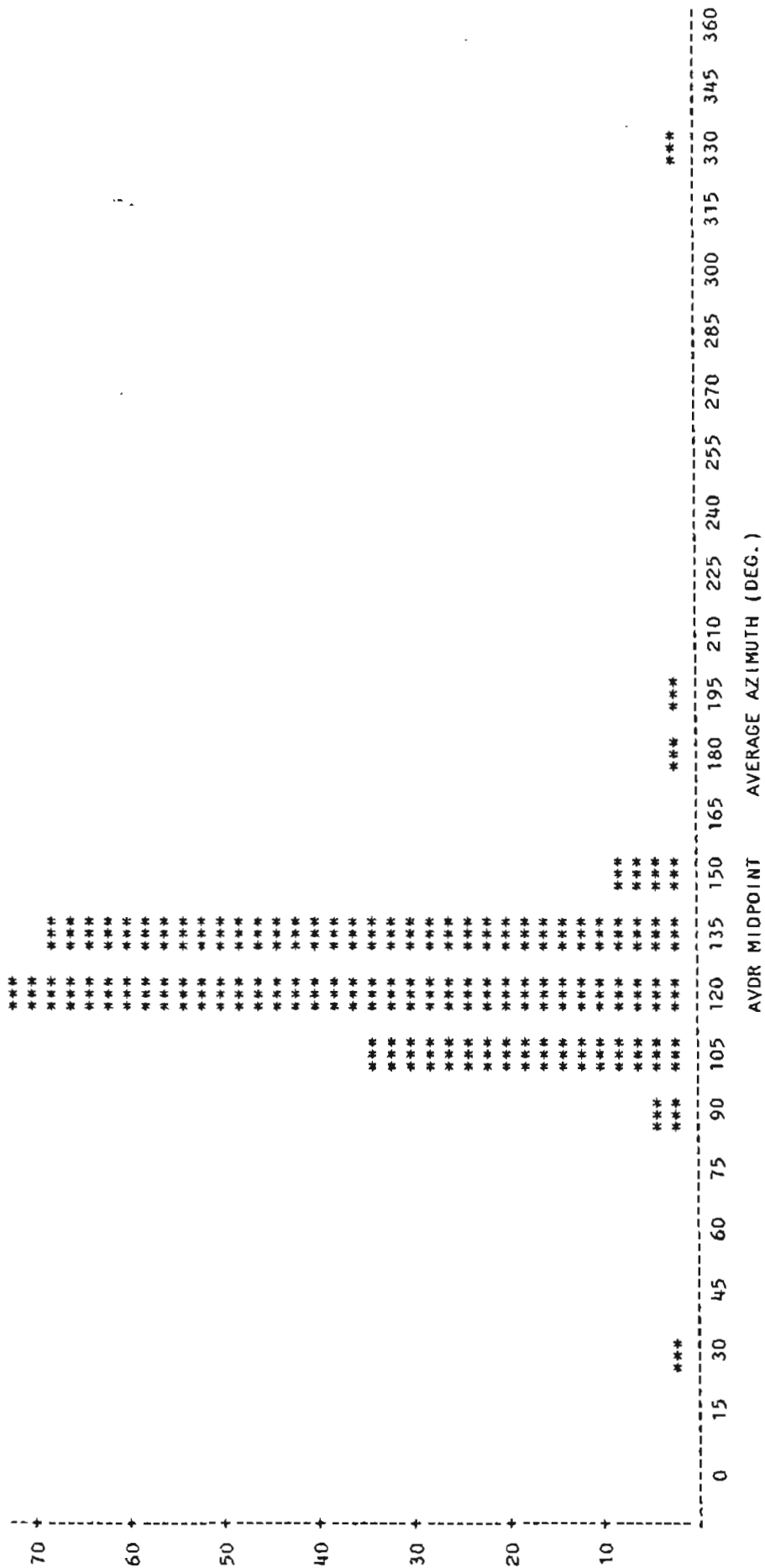


SAS  
MONTHLY FREQUENCY OF AVERAGE WIND AZIMUTHS

YR=83 MO=12

FREQUENCY BAR CHART

FREQUENCY



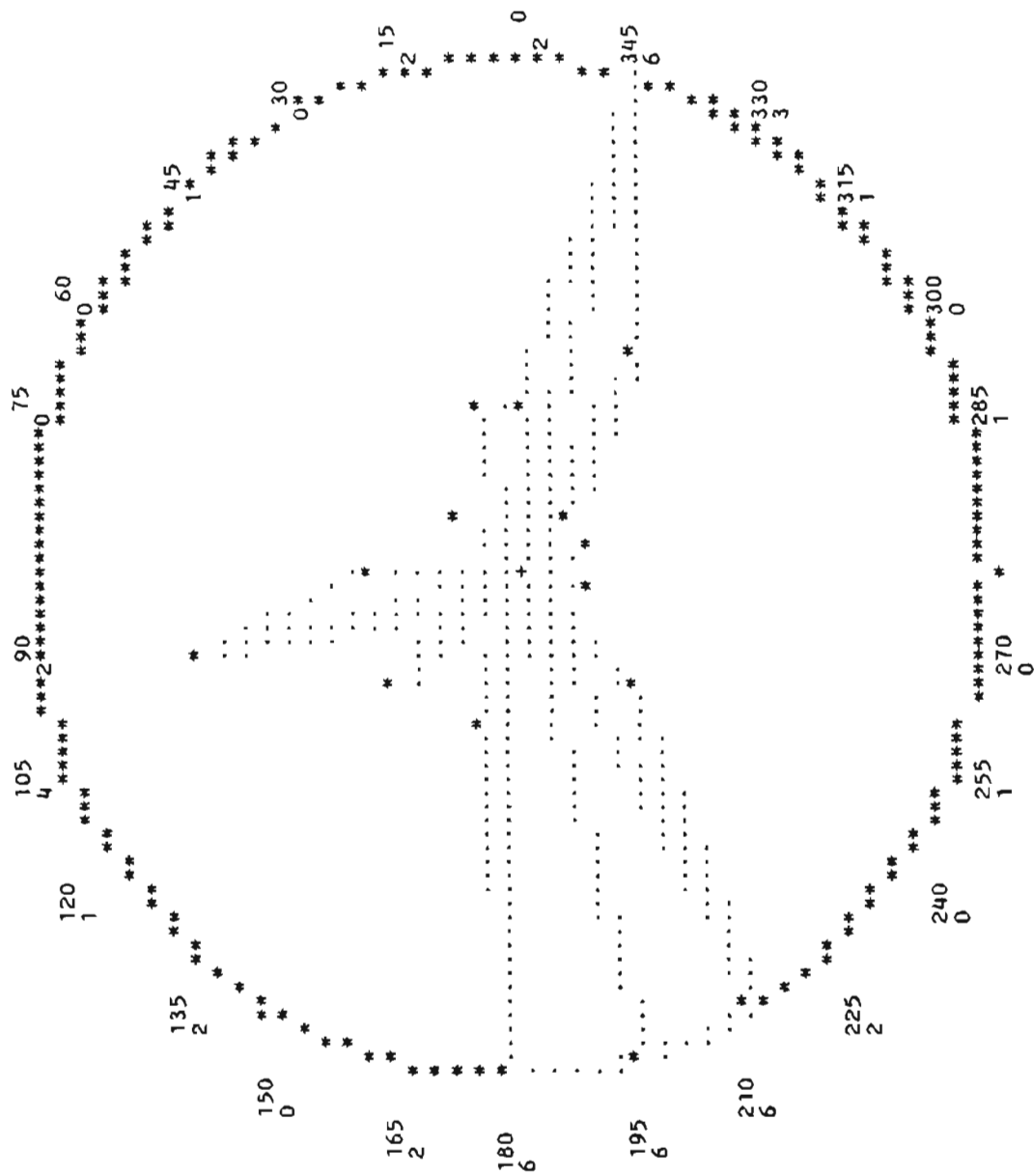


SAS  
STARCHART SHOWING MONTHLY FREQUENCY OF AVERAGE WIND AZIMUTHS

YR=83 M0=1  
CENTER=0

FREQ STAR CHART OF AVDR

OUTSIDE= 6

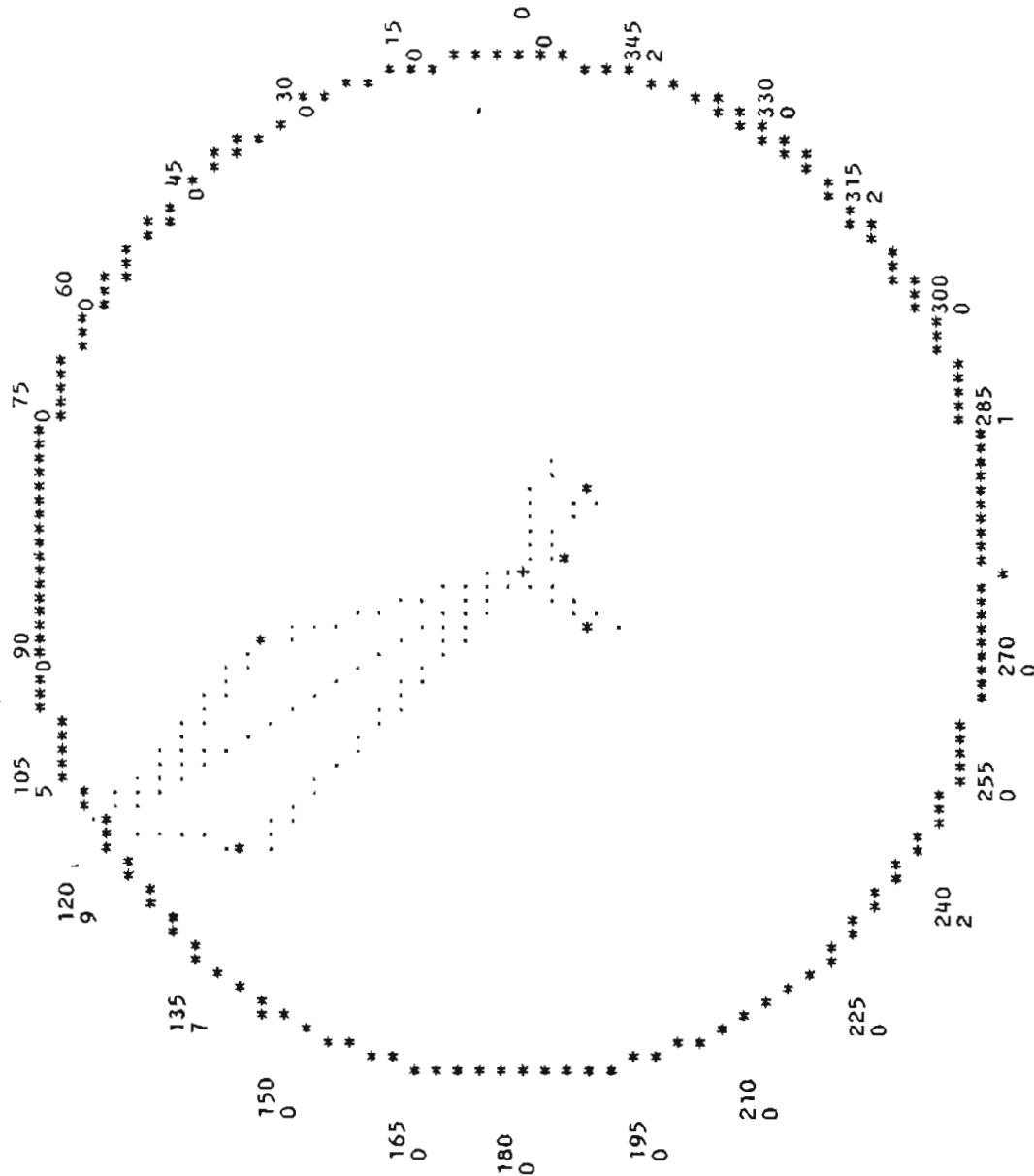


STAR CHART SHOWING MONTHLY FREQUENCY OF AVERAGE WIND AZIMUTHS

YR=83 MO=2  
CENTER=0

FREQ STAR CHART OF AVDR

OUTSIDE= 9

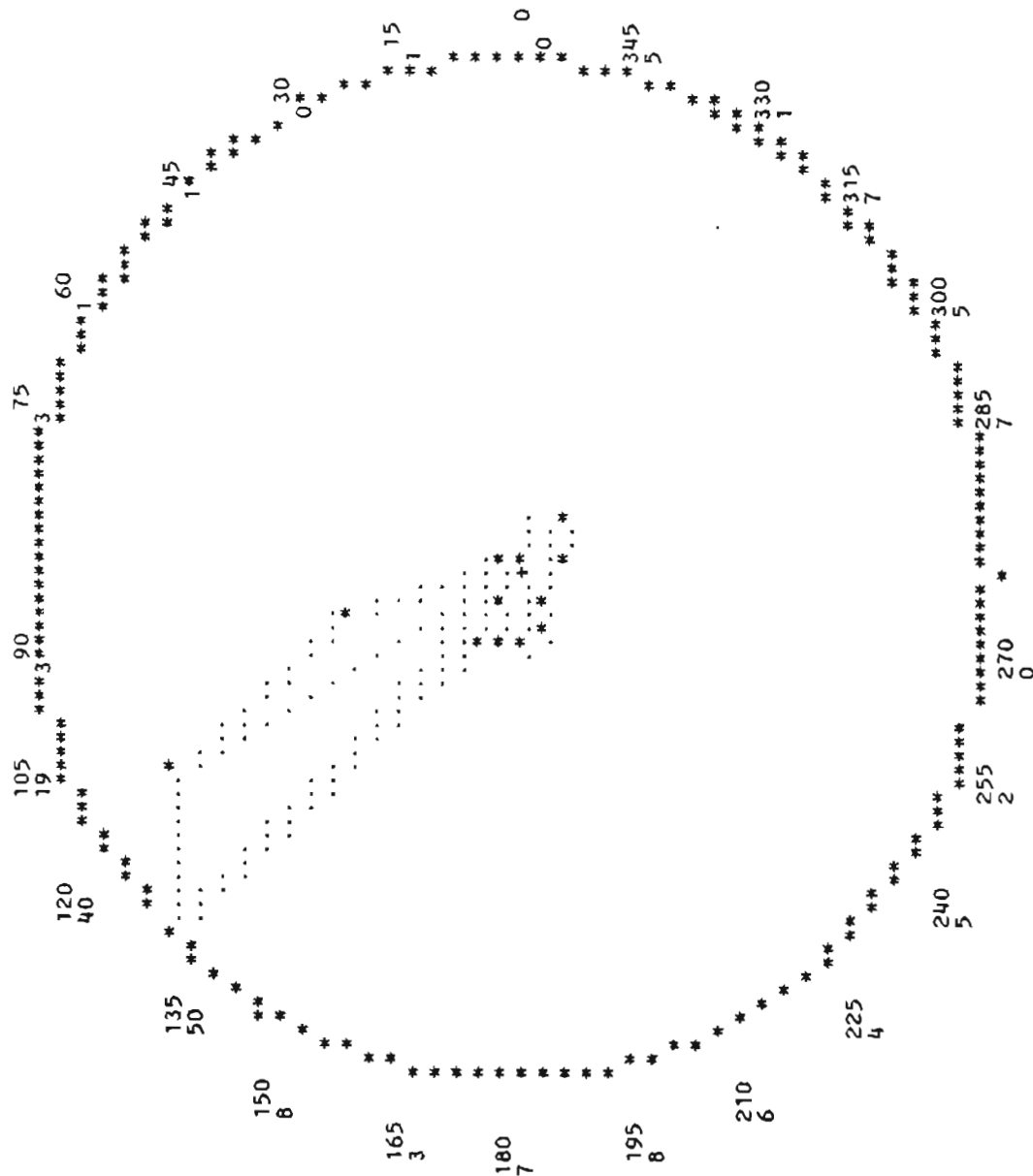


SAS  
STARCHART SHOWING MONTHLY FREQUENCY OF AVERAGE WIND AZIMUTHS

YR=63 MO=3  
CENTER=0

OUTSIDE= 50

FREQ STAR CHART OF AVDR

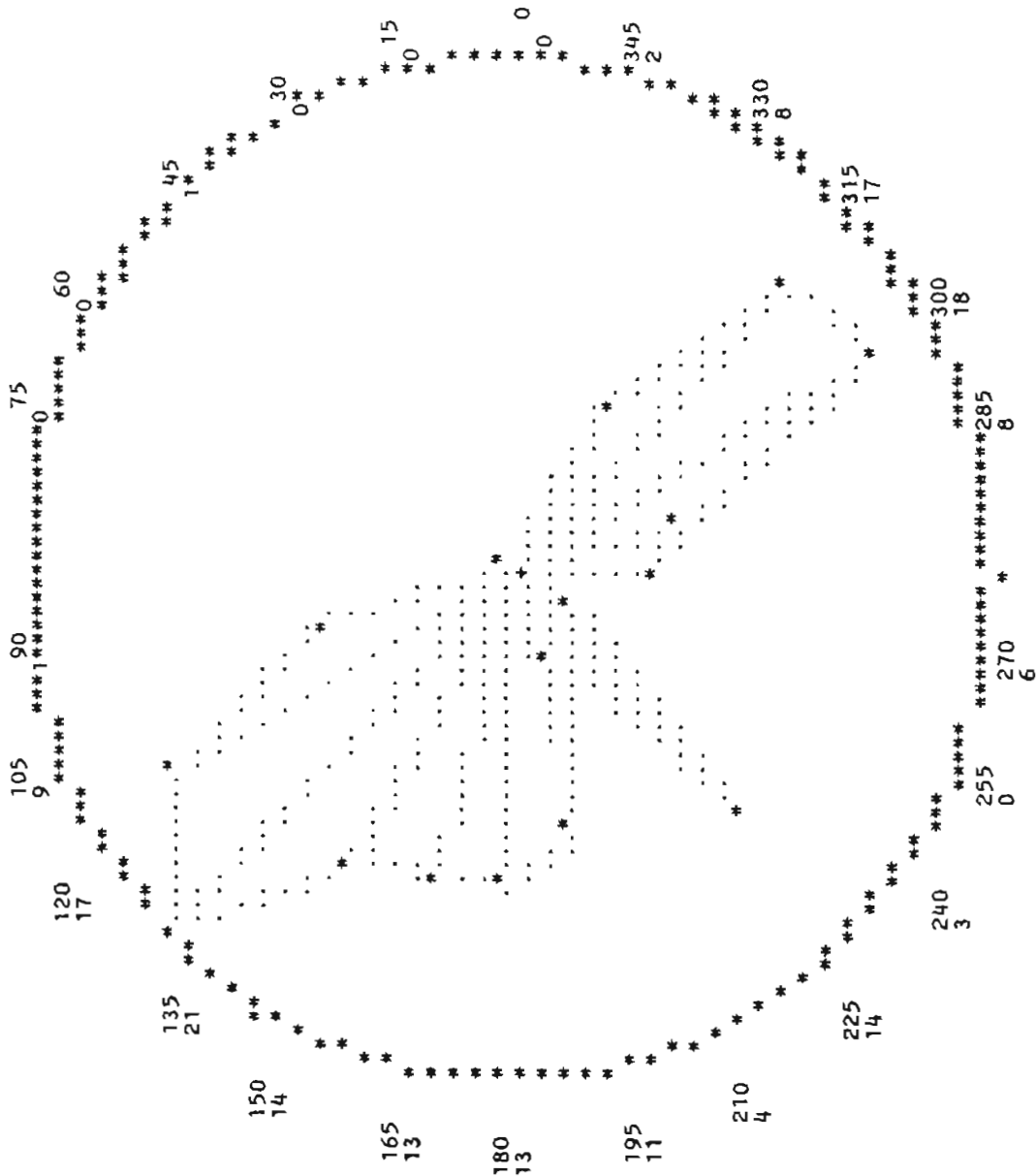


YR=83 MO=4  
CENTER=0

SAS  
STARCHART SHOWING MONTHLY FREQUENCY OF AVERAGE WIND AZIMUTHS

OUTSIDE= 21

FREQ STAR CHART OF AVOR

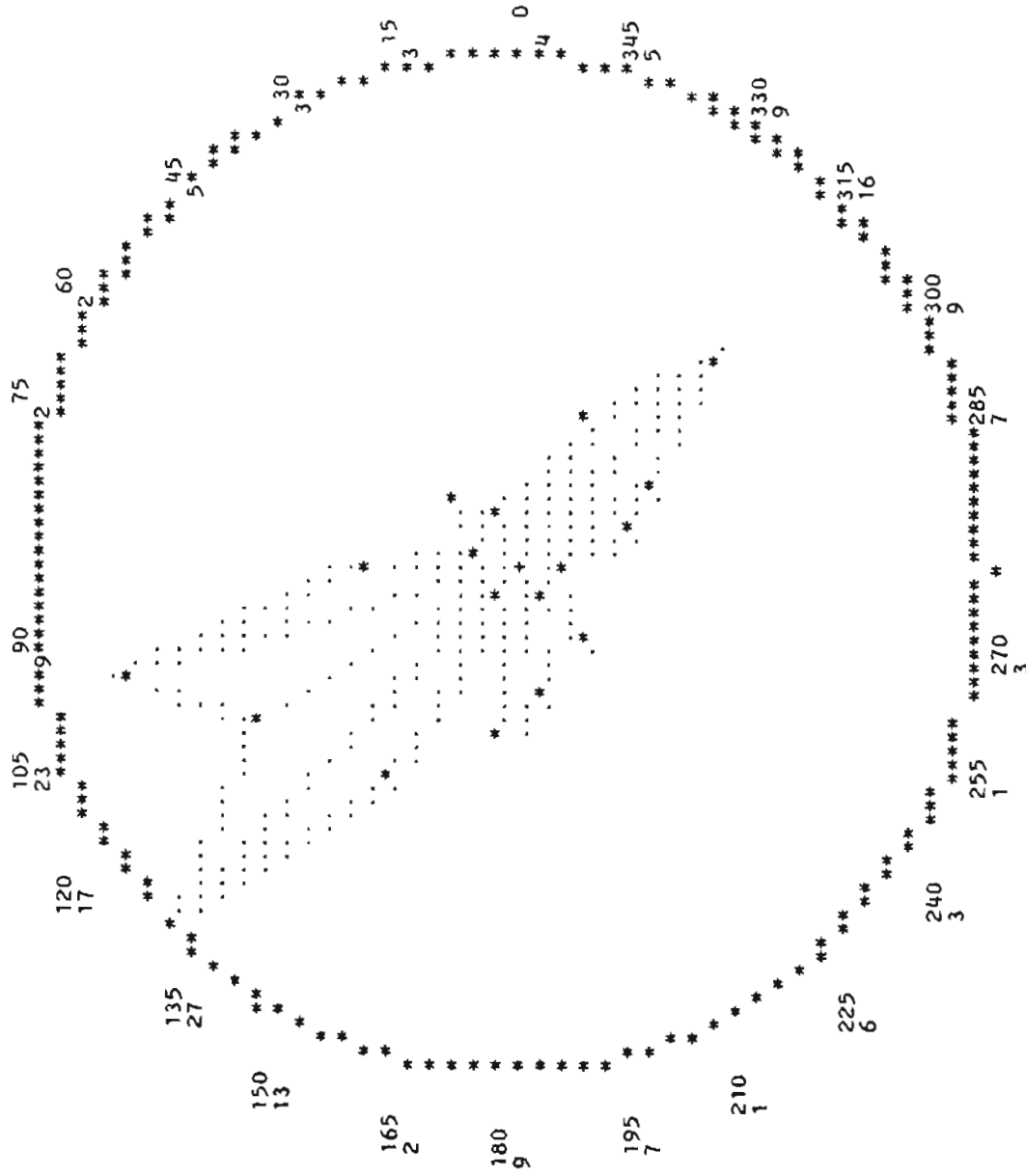


STARCHART SHOWING MONTHLY FREQUENCY OF AVERAGE WIND AZIMUTHS

YR=83 MO=5  
CENTER=0

OUTSIDE= 27

FREQ STAR CHART OF AVDR

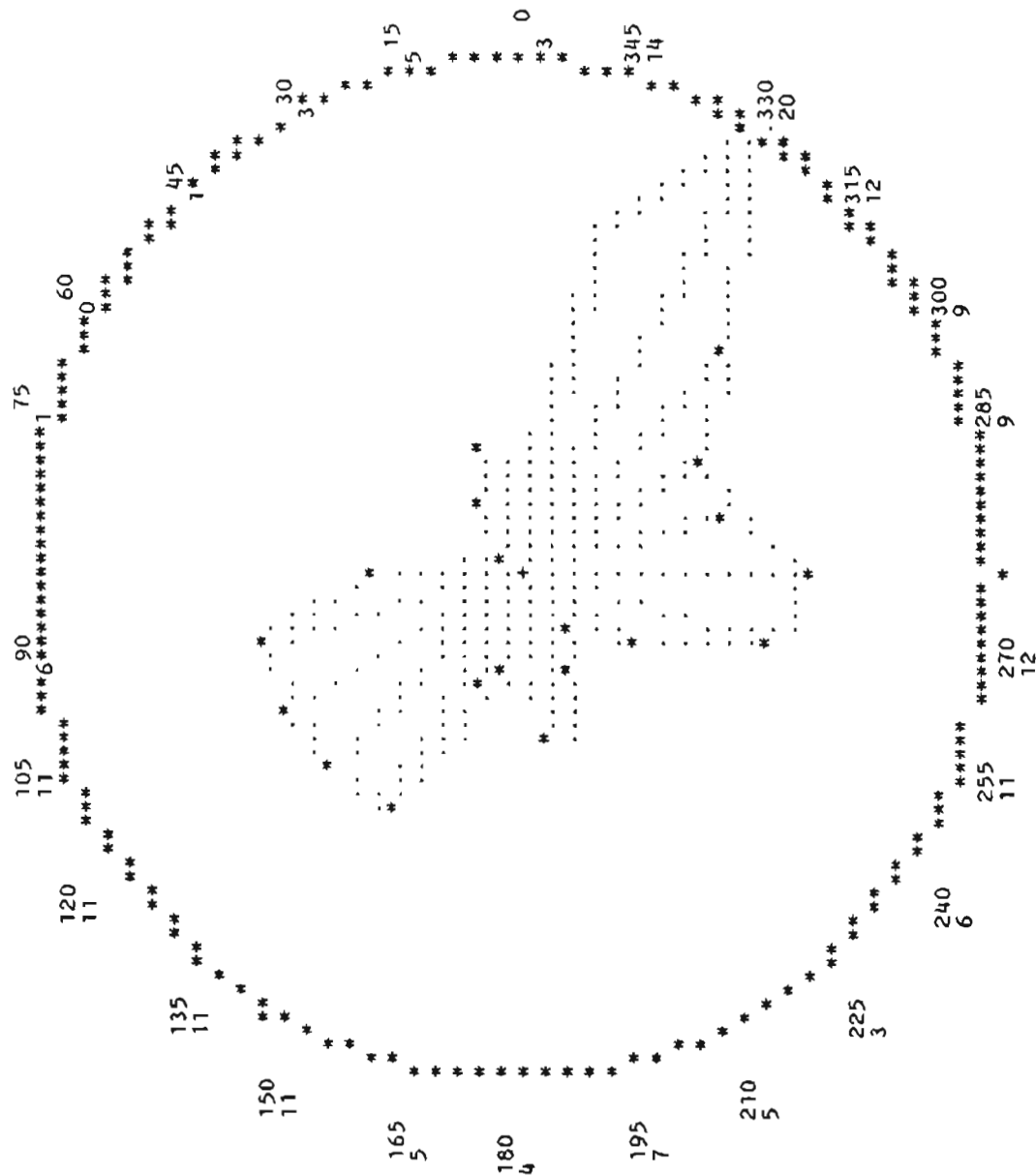


YR=83 MO=6  
CENTER=0

SAS  
STAR CHART SHOWING MONTHLY FREQUENCY OF AVERAGE WIND AZIMUTHS

OUTSIDE= 20

FREQ STAR CHART OF AVDR

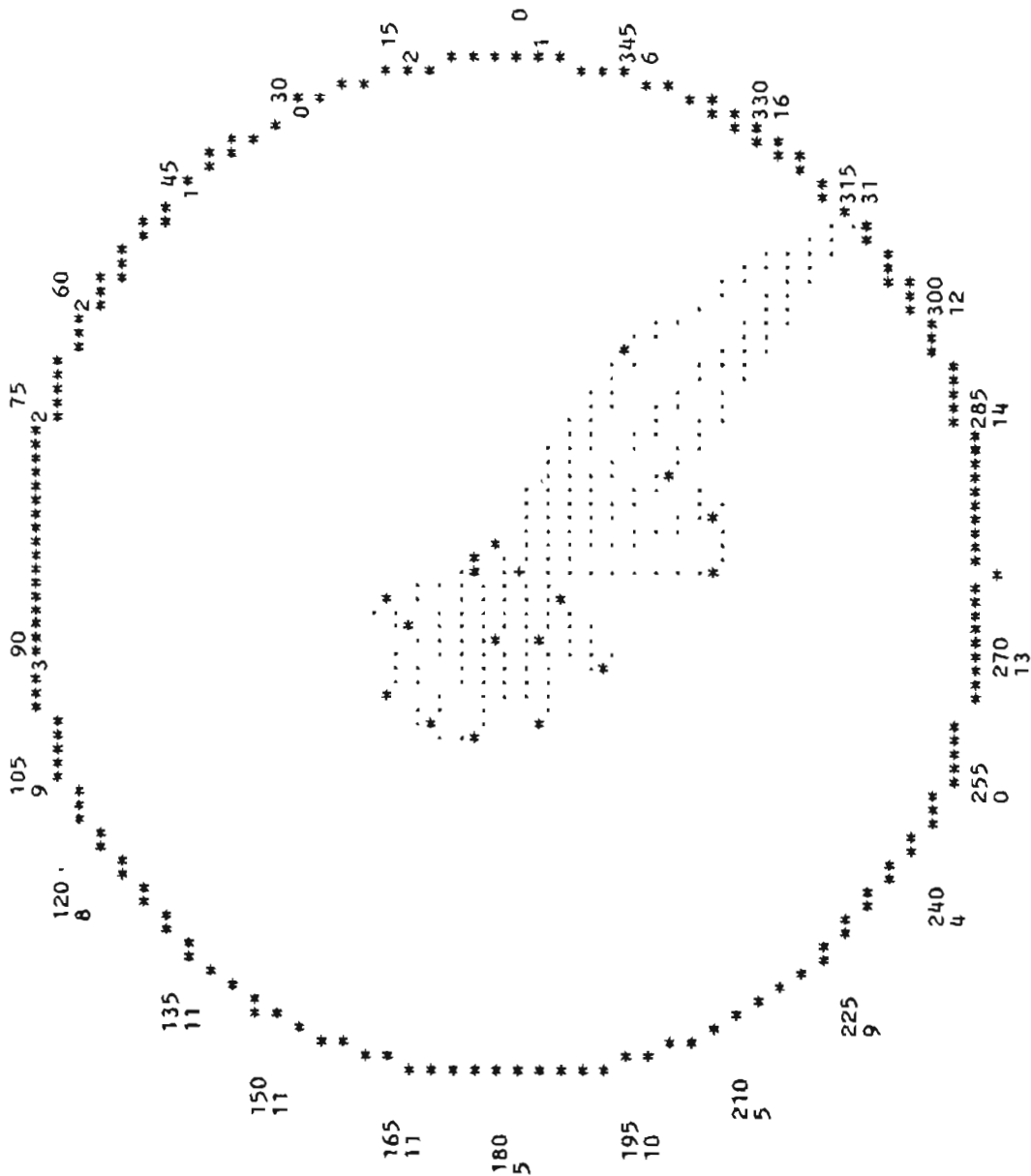


SAS  
STARCHART SHOWING MONTHLY FREQUENCY OF AVERAGE WIND AZIMUTHS

YR=83 MO=7  
CENTER=0

OUTSIDE= 31

FREQ STAR CHART OF AVDR

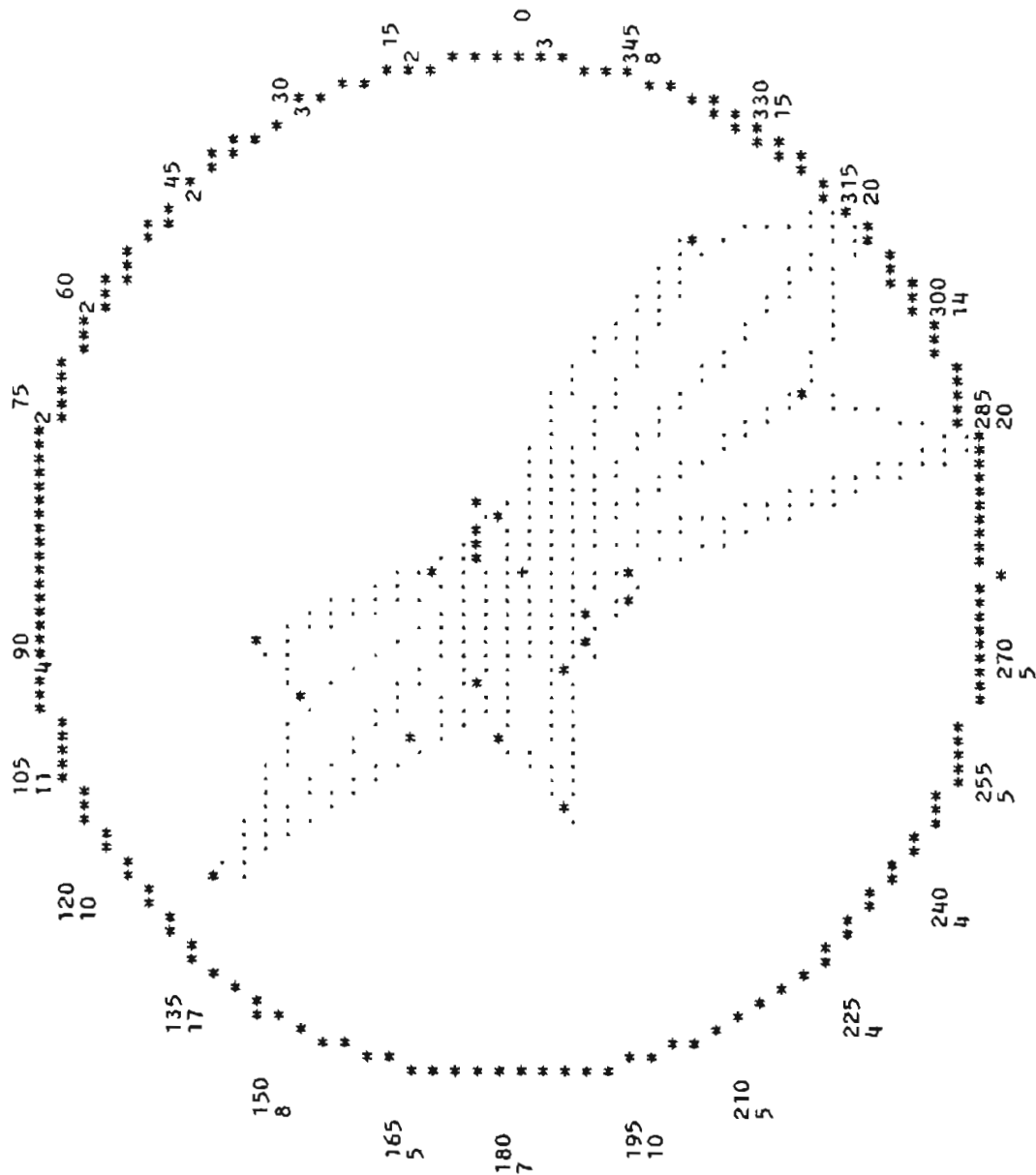


SAS  
STAR CHART SHOWING MONTHLY FREQUENCY OF AVERAGE WIND AZIMUTHS

YR=83 MO=8  
CENTER=0

OUTSIDE= 20

FREQ STAR CHART OF AVDR



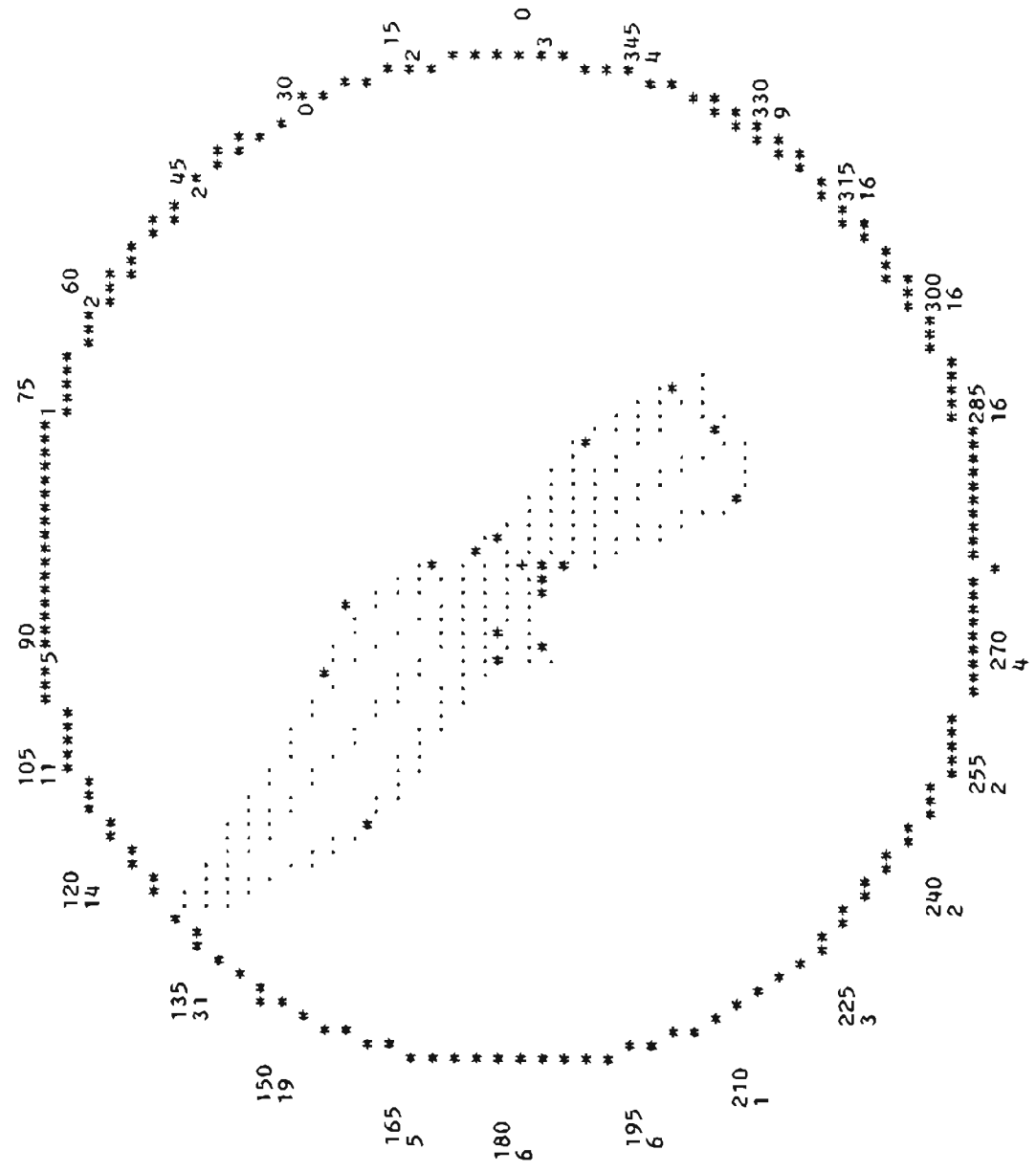


STARCHART SHOWING MONTHLY FREQUENCY OF AVERAGE WIND AZIMUTHS

YR=83 MO=9  
CENTER=0

OUTSIDE= 31

FREQ STAR CHART OF AVDR

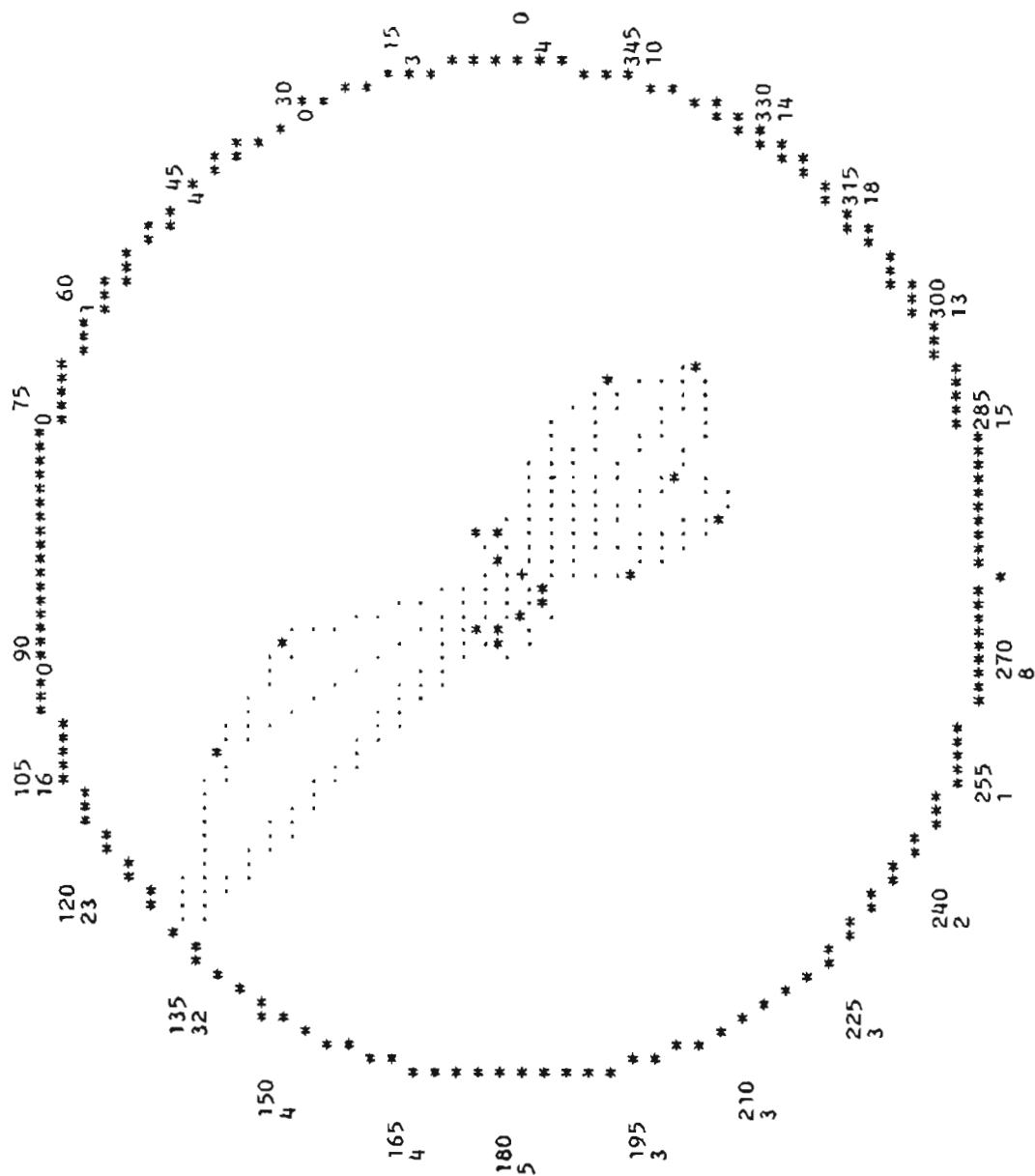


SAS  
STAR CHART SHOWING MONTHLY FREQUENCY OF AVERAGE WIND AZIMUTHS

YR=83 MO=10  
CENTER=0

OUTSIDE= 32

FREQ STAR CHART OF AVDR

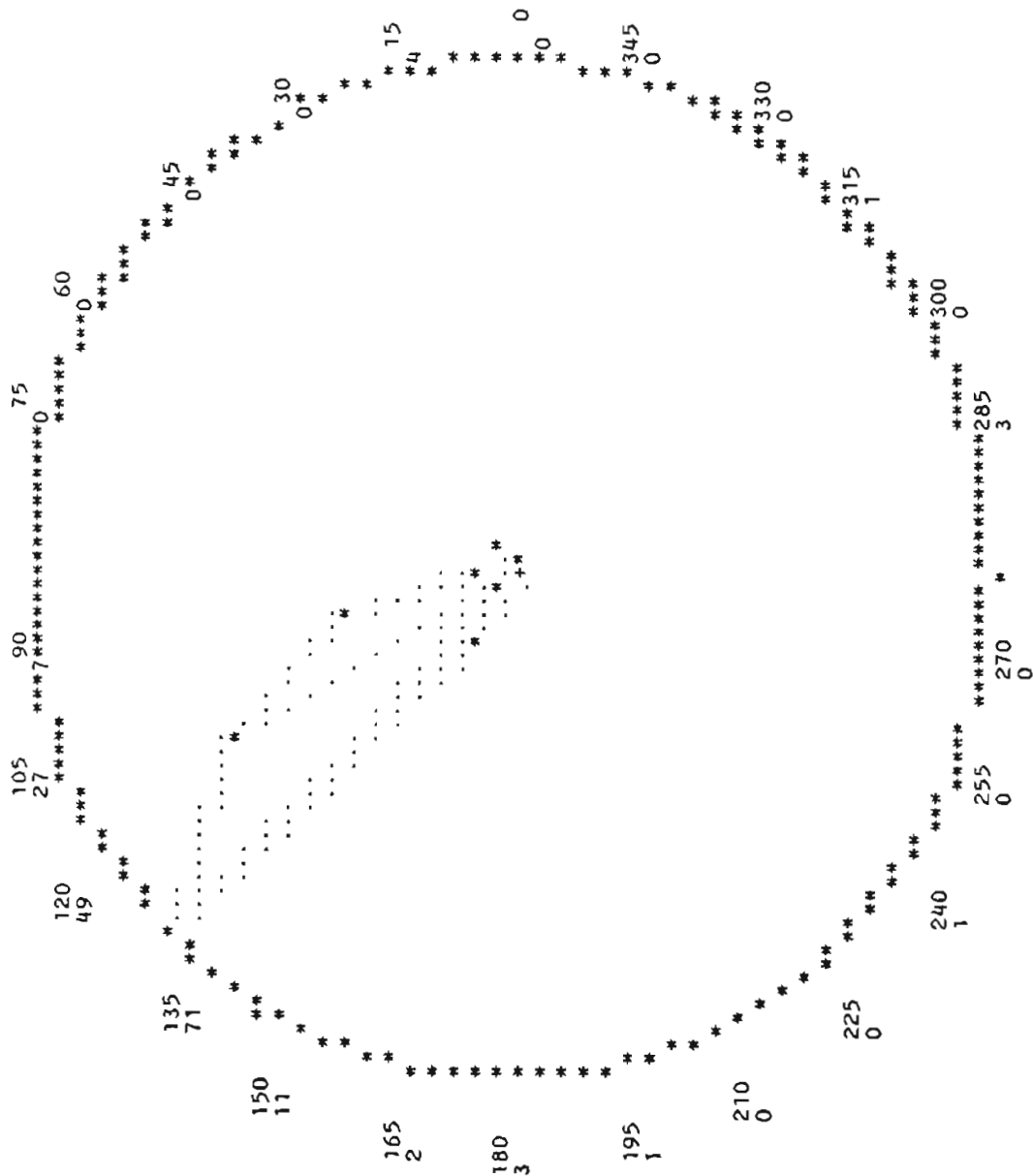


STARCHART SHOWING MONTHLY FREQUENCY OF AVERAGE WIND AZIMUTHS

YR=83 MO=11  
CENTER=0

OUTSIDE= 71

FREQ STAR CHART OF AVDR

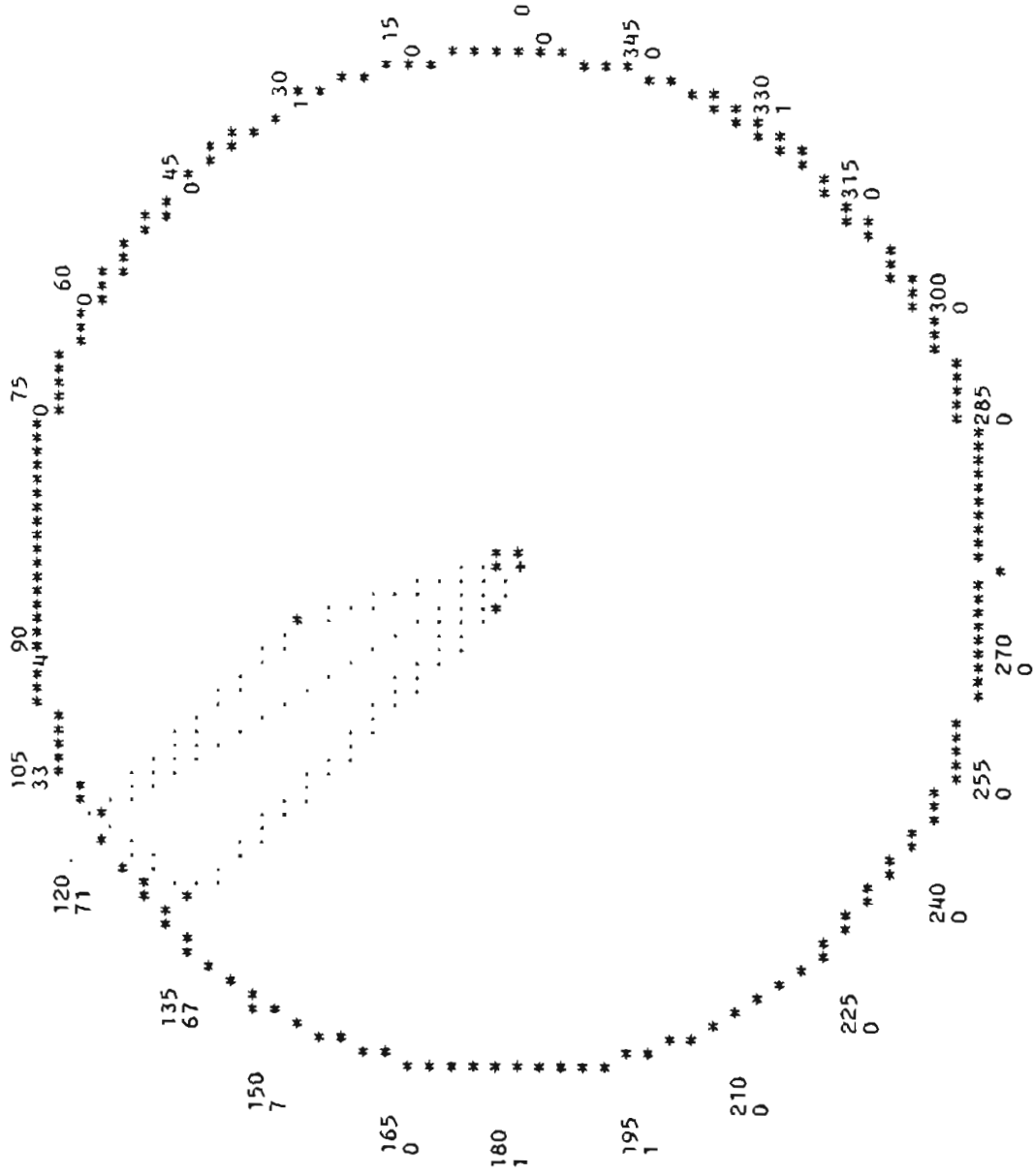


STAR CHART SHOWING MONTHLY FREQUENCY OF AVERAGE WIND AZIMUTHS

YR=83 MO=12  
CENTER=0

OUTSIDE= 71

FREQ STAR CHART OF AVDR

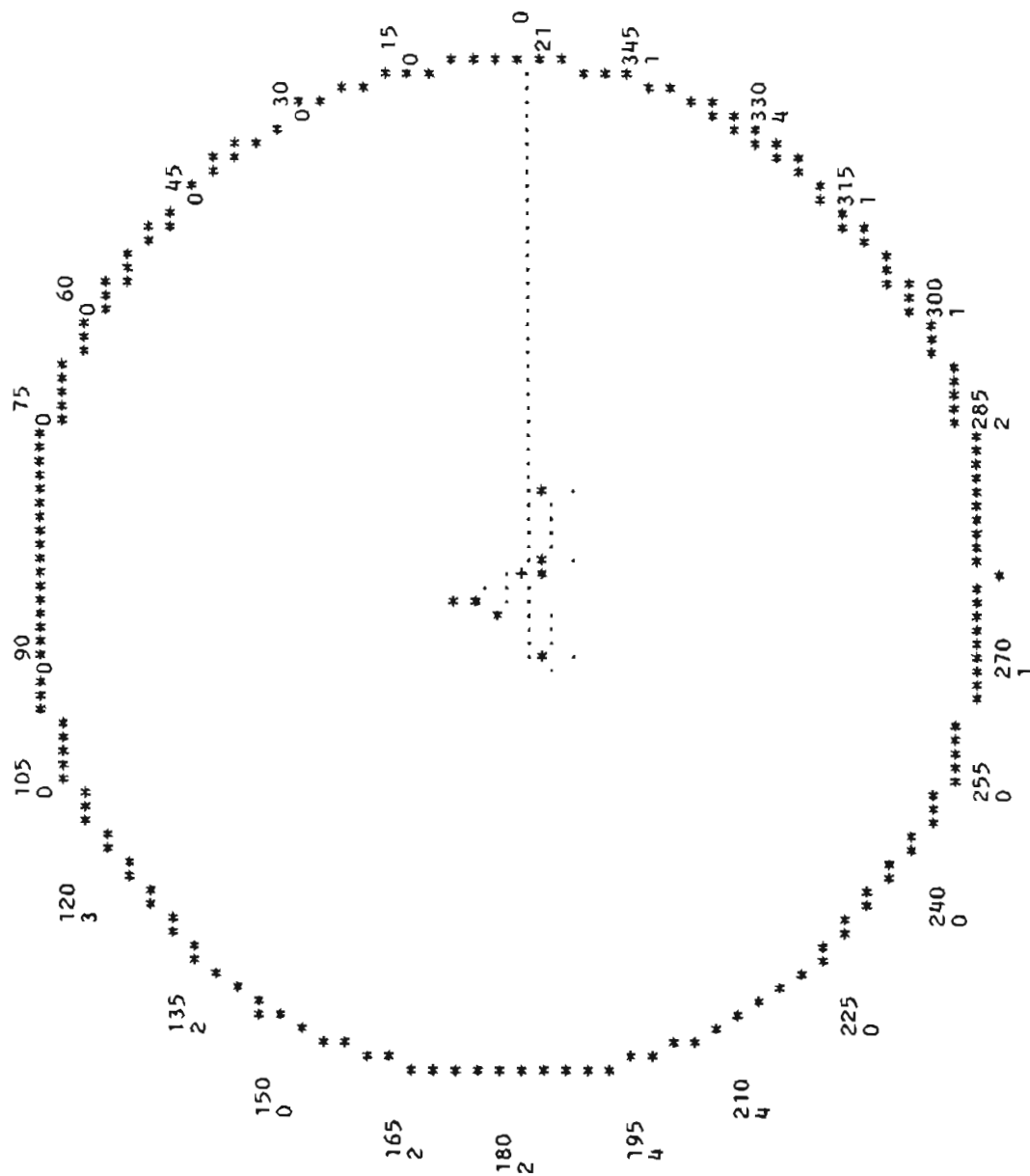


SAS  
STARCHART SHOWING MONTHLY FREQUENCY OF GUST AZIMUTHS

YR=83 MO=1  
CENTER=0

OUTSIDE= 21

FREQ STAR CHART OF GUDR



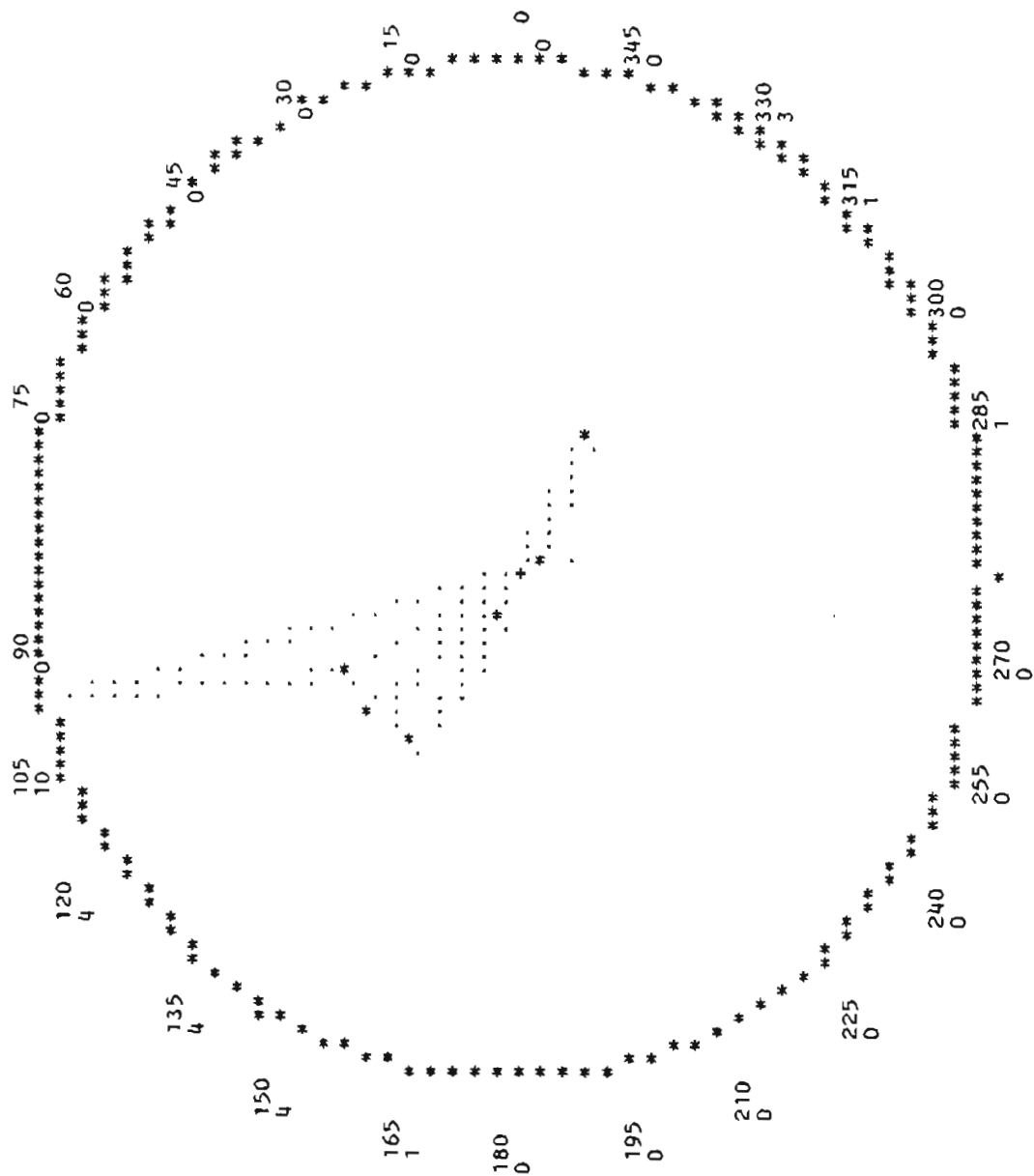
SAS  
STARCHART SHOWING MONTHLY FREQUENCY OF GUST AZIMUTHS

YR=83 MO=2

CENTER=0

FREQ STAR CHART OF GUDR

OUTSIDE= 10

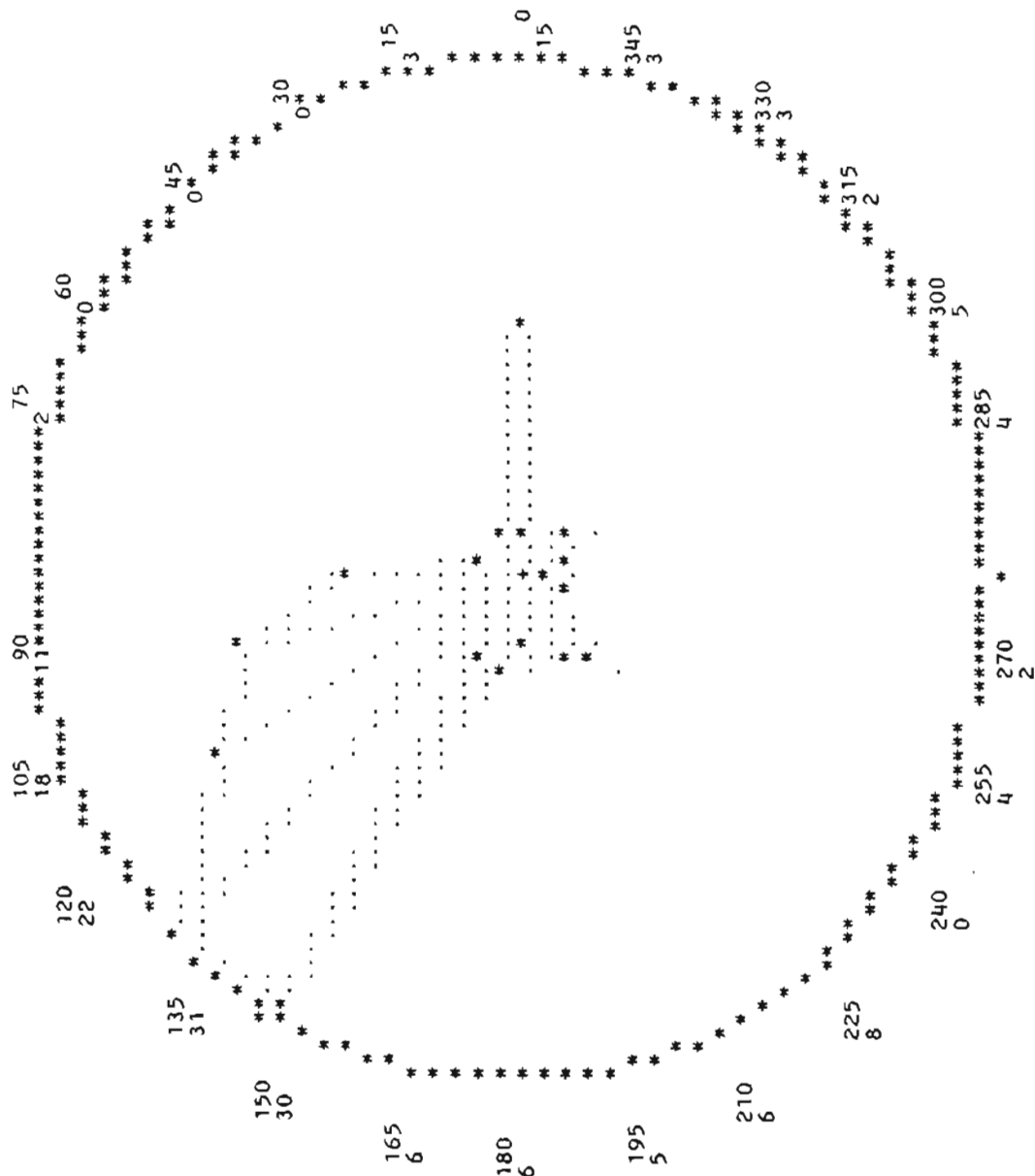


SAS  
STARCHART SHOWING MONTHLY FREQUENCY OF CUST AZIMUTHS

YR=83 MO=3  
CENTER=0

FREQ STAR CHART OF GUDR

OUTSIDE= 31



SAS

STAR CHART SHOWING MONTHLY FREQUENCY OF GUST AZIMUTHS

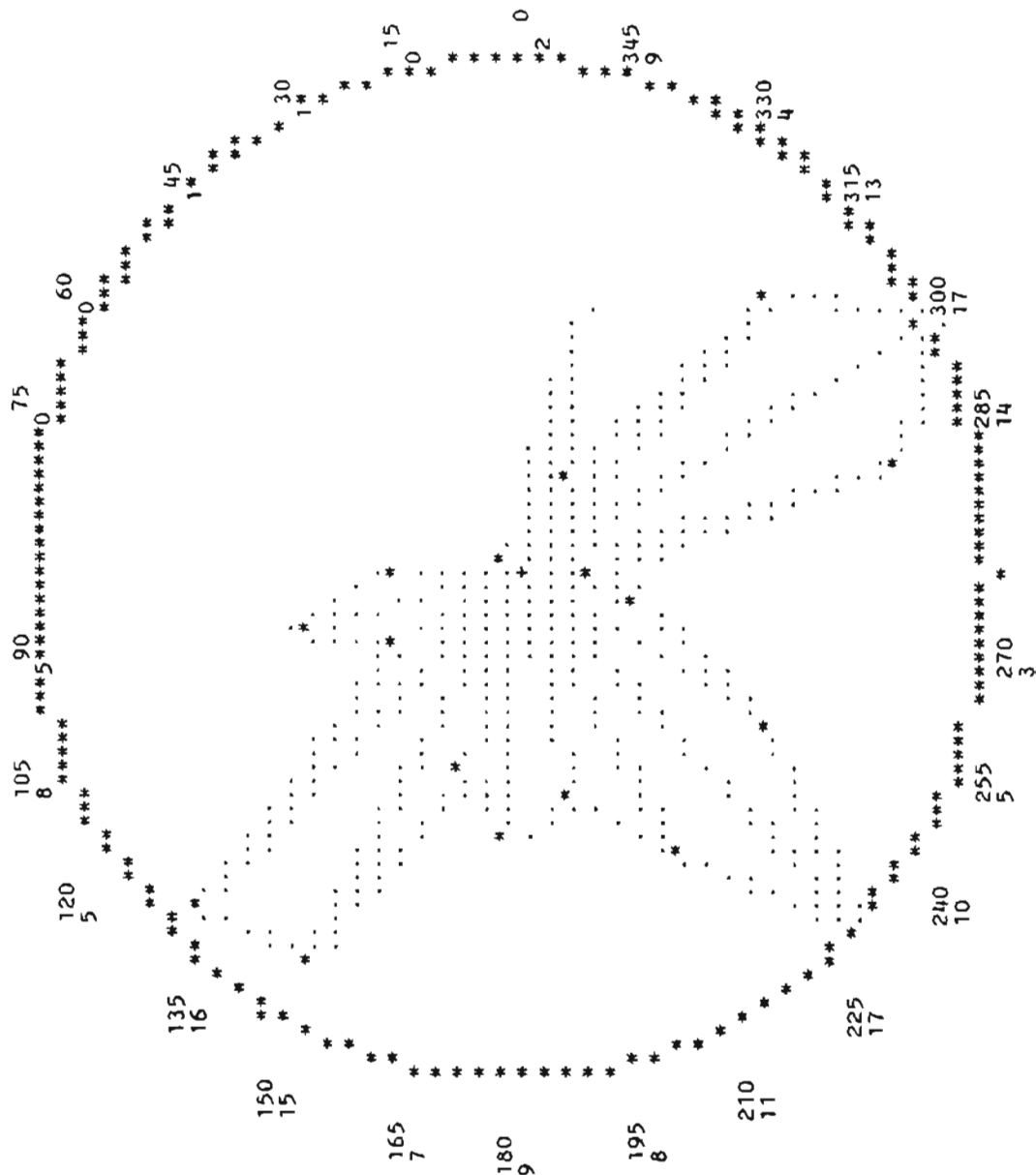
111

YR=83 MO=4

CENTER=0

OUTSIDE= 17

FREQ STAR CHART OF GUDR



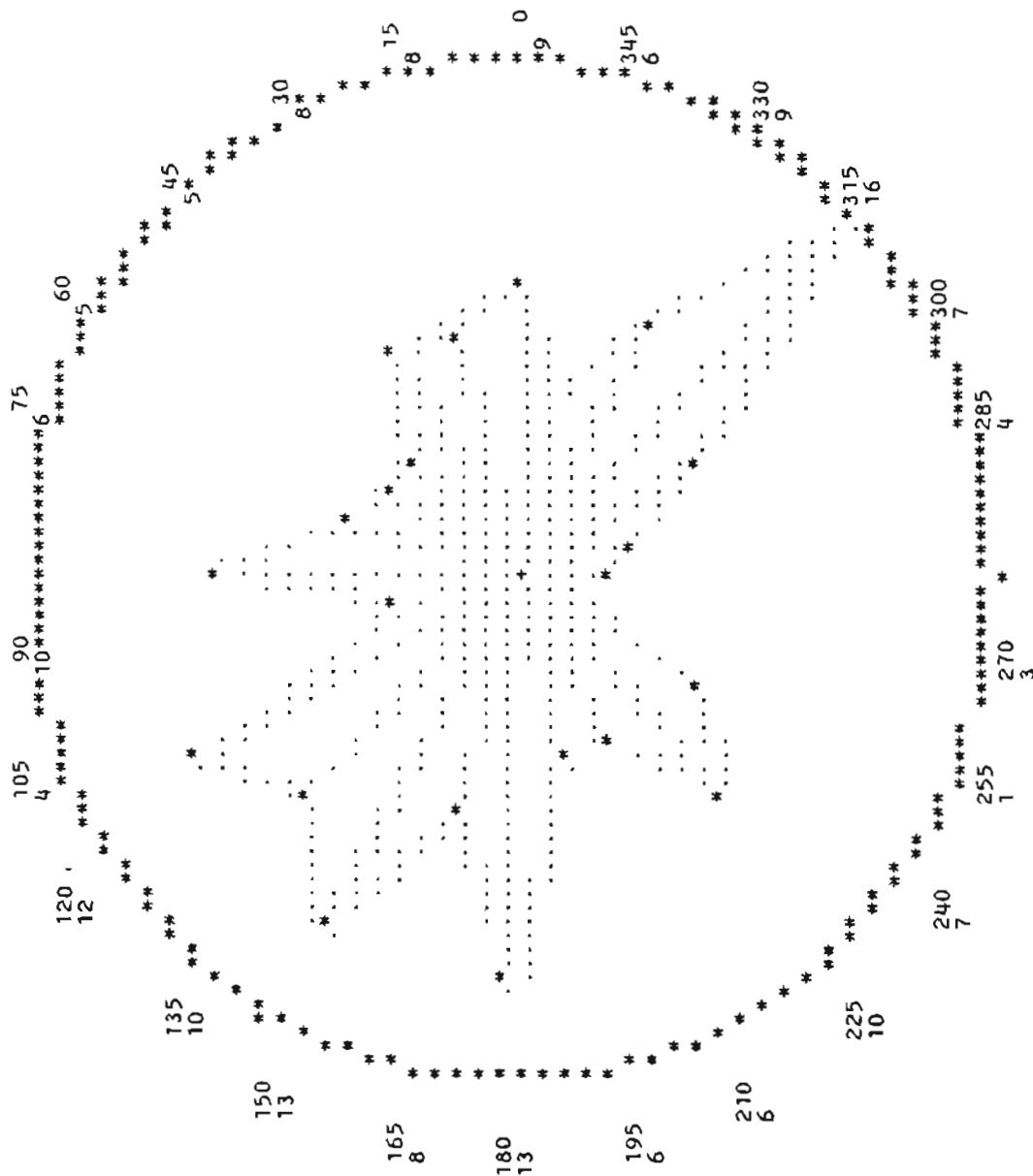


SAS  
STARCHART SHOWING MONTHLY FREQUENCY OF CUST AZIMUTHS

YR=83 MO=5  
CENTFR=D

OUTSIDE= 16

FREQ STAR CHART OF GUDR

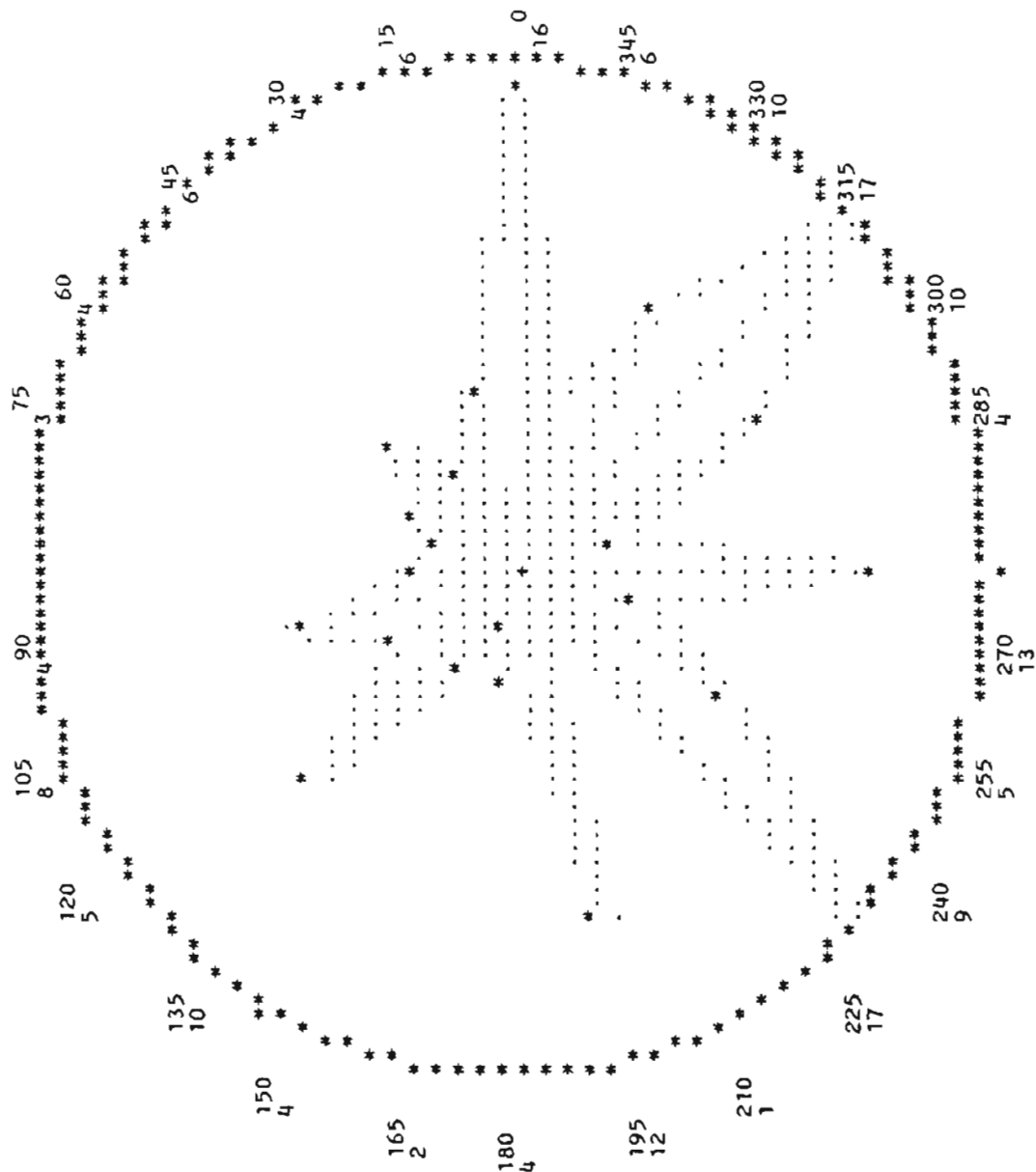


SAS  
STARCHART SHOWING MONTHLY FREQUENCY OF GUST AZIMUTHS

YR=83 MO=6  
CENTER=0

OUTSIDE= 17

FREQ STAR CHART OF GUDR

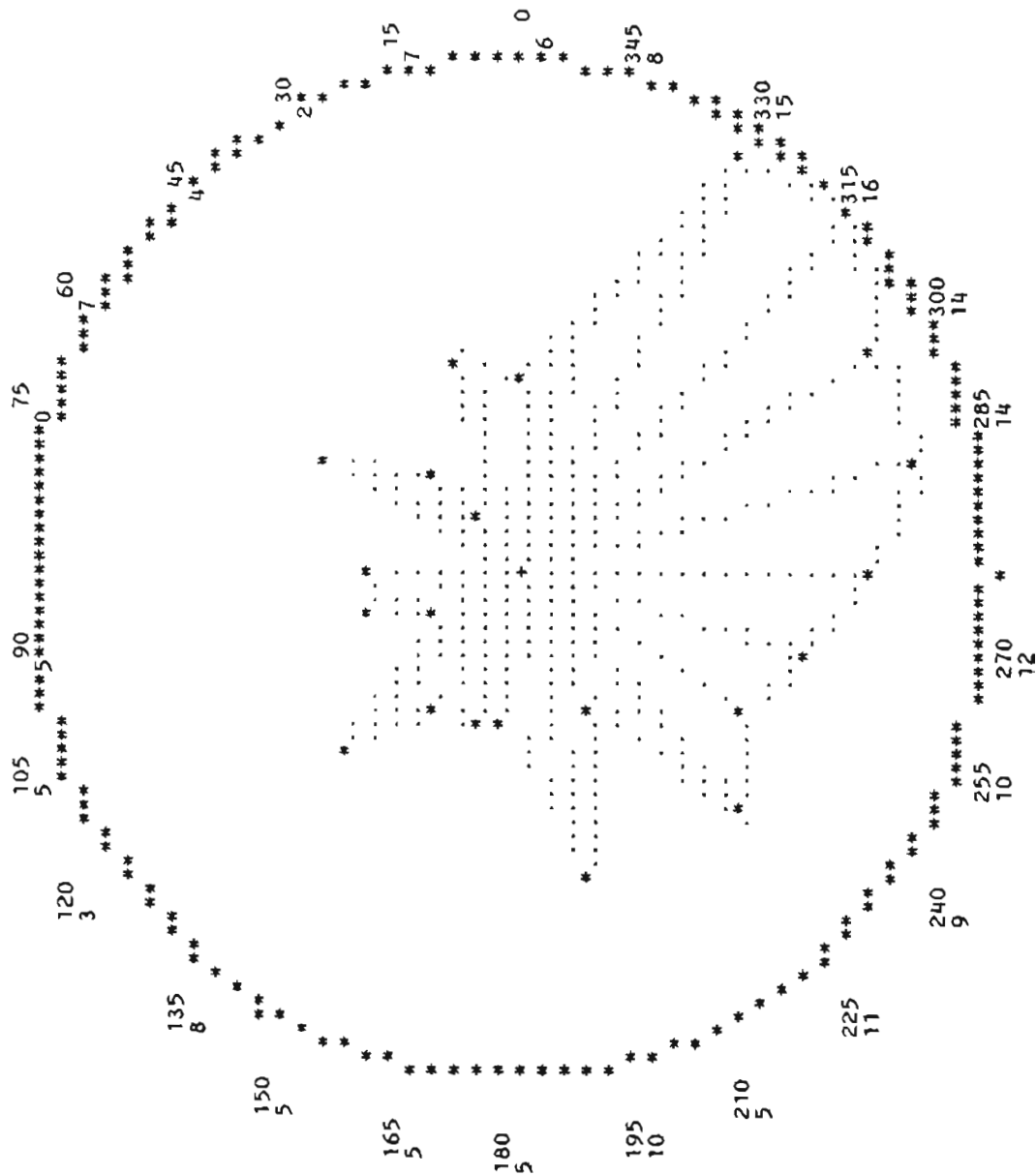


SAS  
STARCHART SHOWING MONTHLY FREQUENCY OF CUST AZIMUTHS

YR=83 MD=7  
CENTER=0

OUTSIDE= 16

FREQ STAR CHART OF GUDR

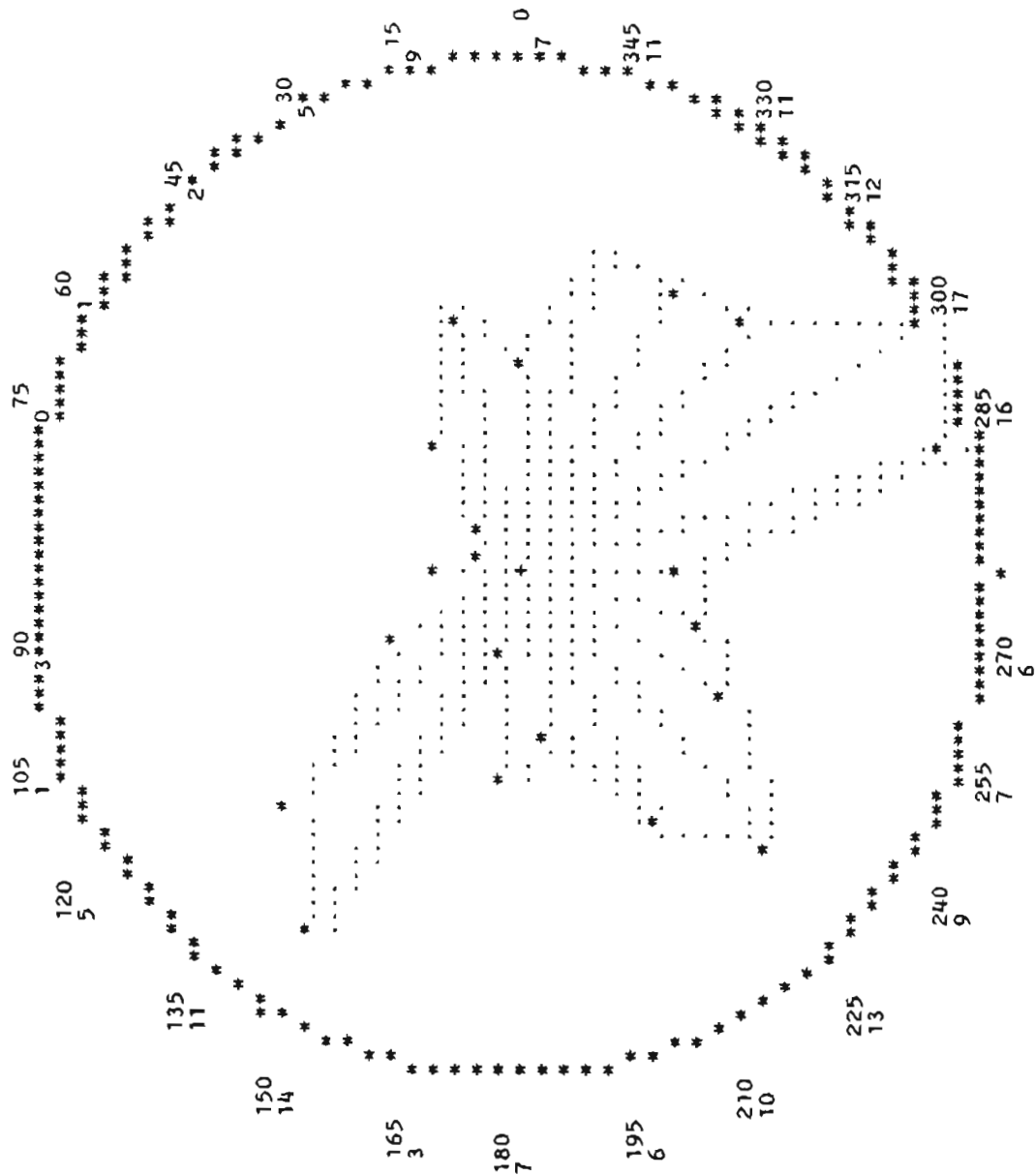


SAS  
STAR CHART SHOWING MONTHLY FREQUENCY OF GUST AZIMUTHS

YR=83 MO=8  
CENTER=0

OUTSIDE= 17

FREQ STAR CHART OF GUDR

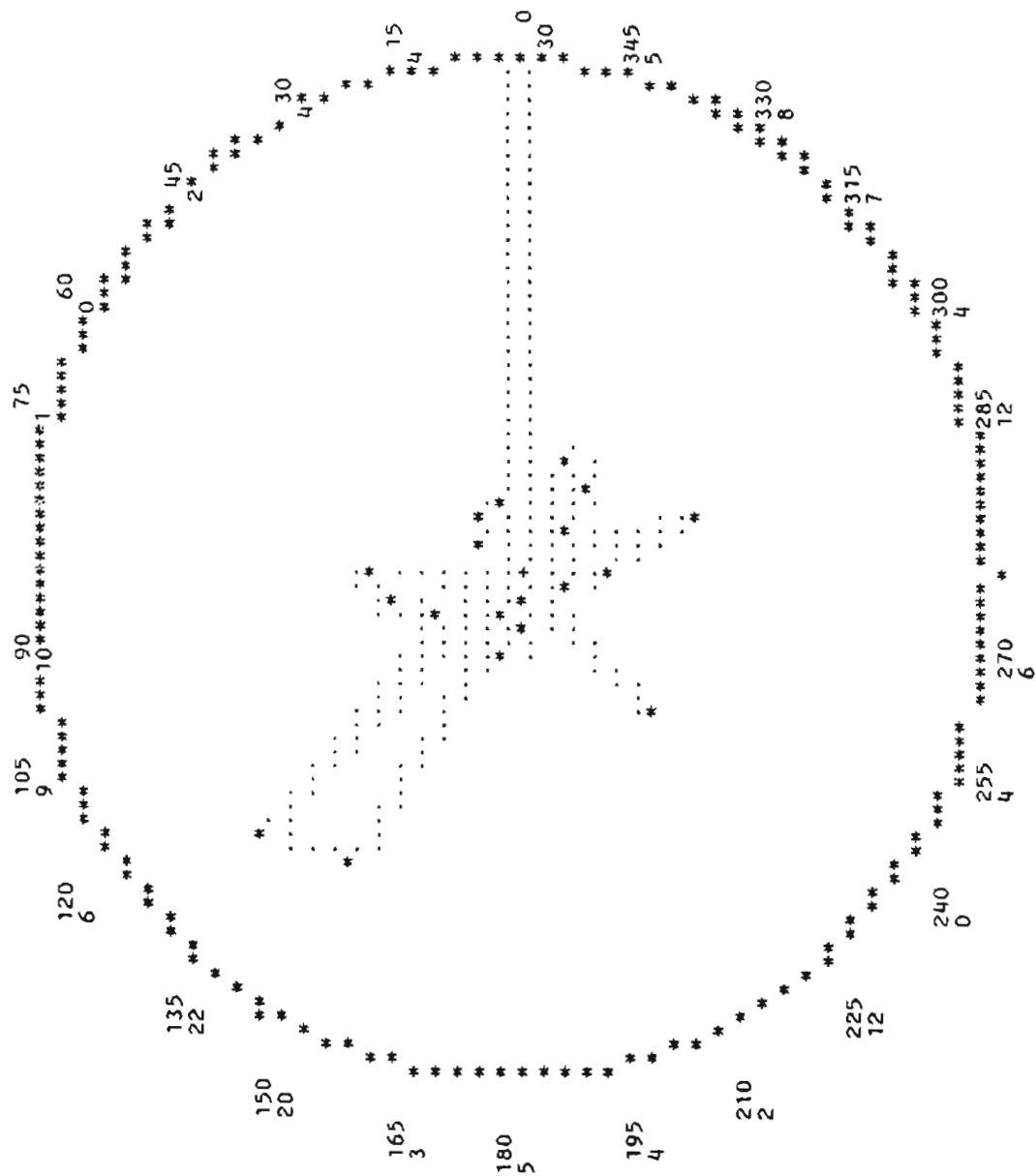


SAS  
STAR CHART SHOWING MONTHLY FREQUENCY OF GUST AZIMUTHS

YR=83 MO=9  
CENTER=0

OUTSIDE= 30

FREQ STAR CHART OF GUDR

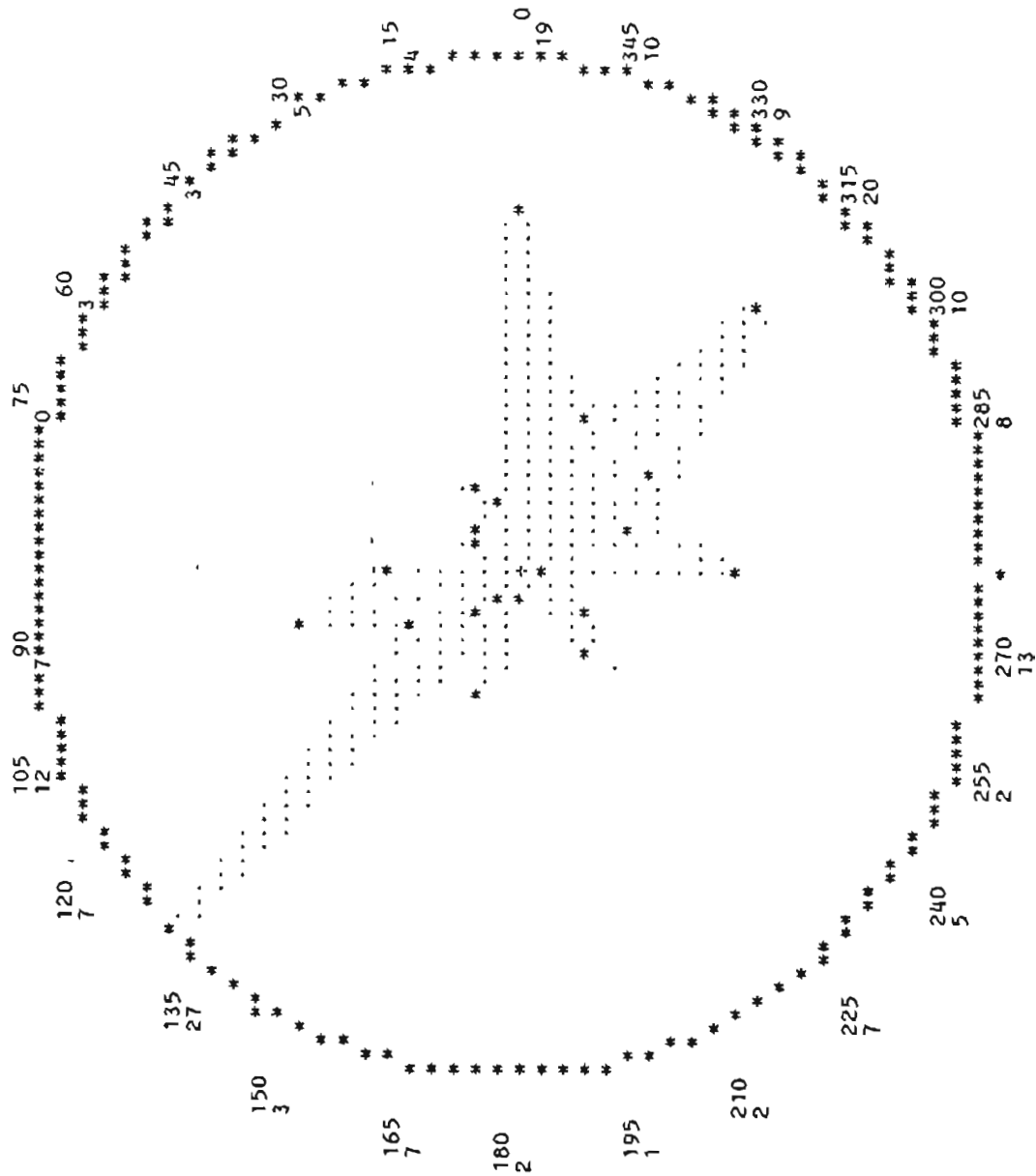


SAS  
STAR CHART SHOWING MONTHLY FREQUENCY OF GUST AZIMUTHS

YR=83 MO=10  
CENTER=0

OUTSIDE= 27

FREQ STAR CHART OF GUDR

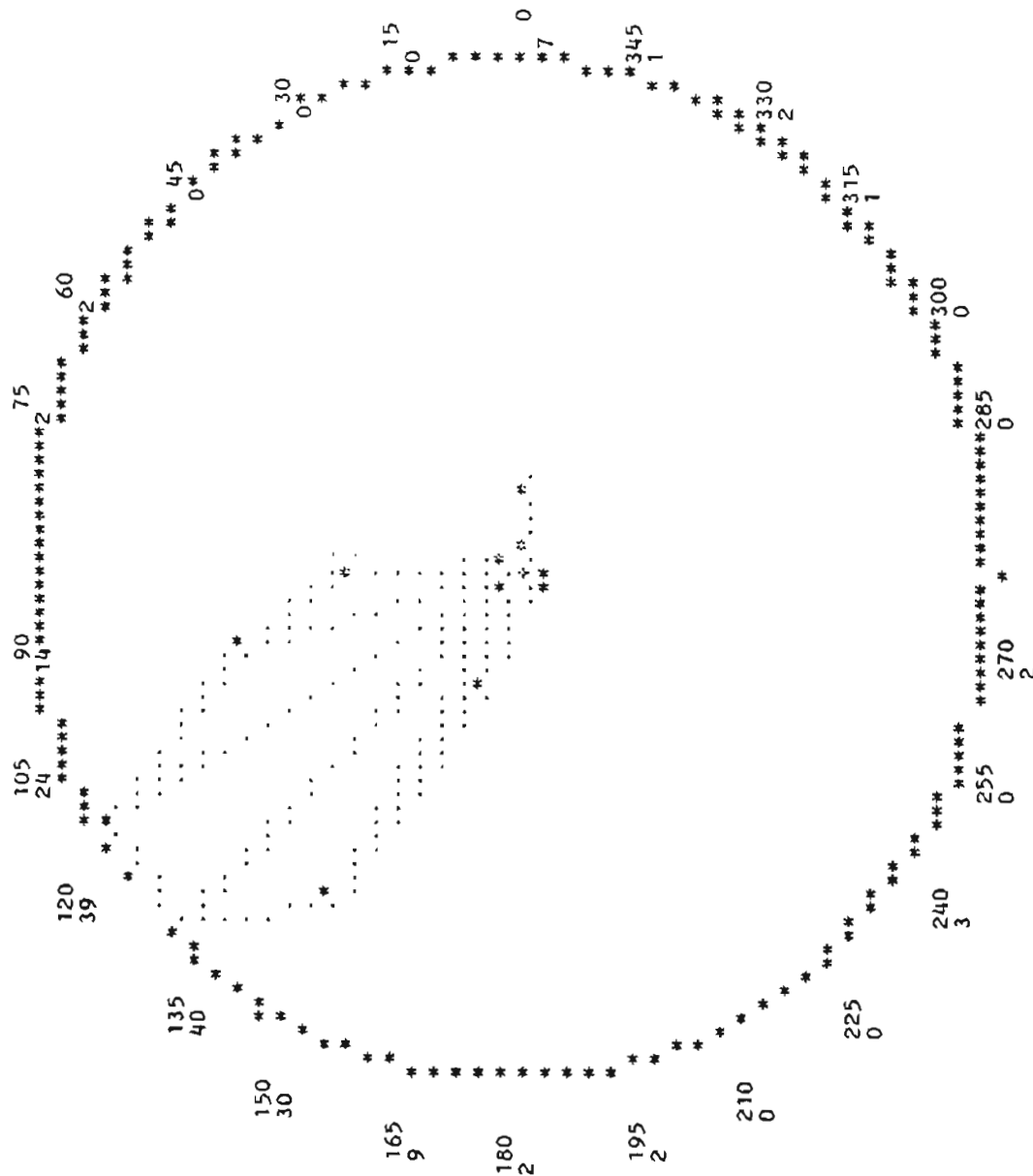


SAS  
STAR CHART SHOWING MONTHLY FREQUENCY OF GUST AZIMUTHS

YR=83 MO=11  
CENTER=0

OUTSIDE= 40

FREQ STAR CHART OF GUDR



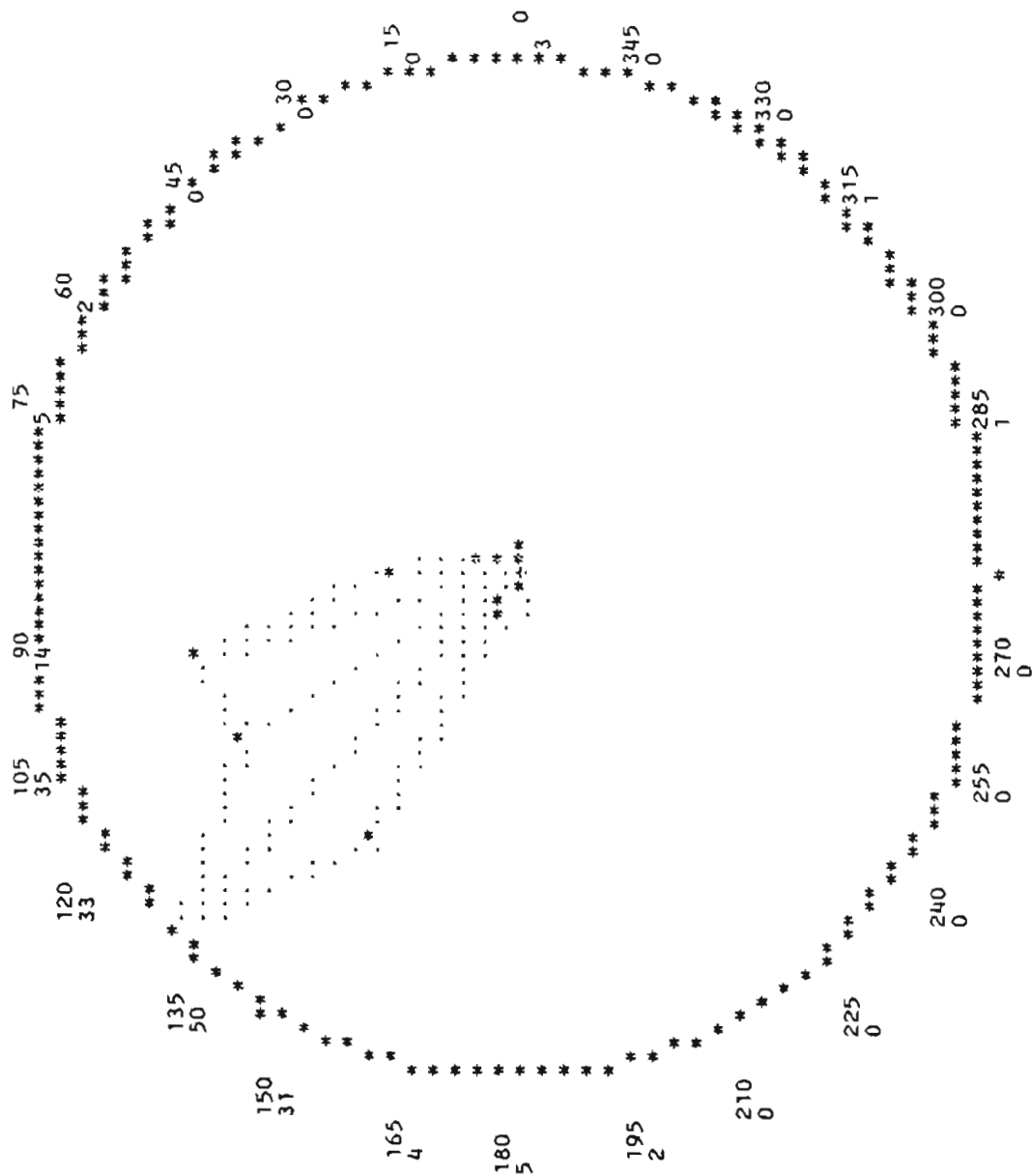
SAS  
STARCHART SHOWING MONTHLY FREQUENCY OF GUST AZIMUTHS

YR=83 MO=12

CENTER=0

FREQ STAR CHART OF GUDR

OUTSIDE= 50



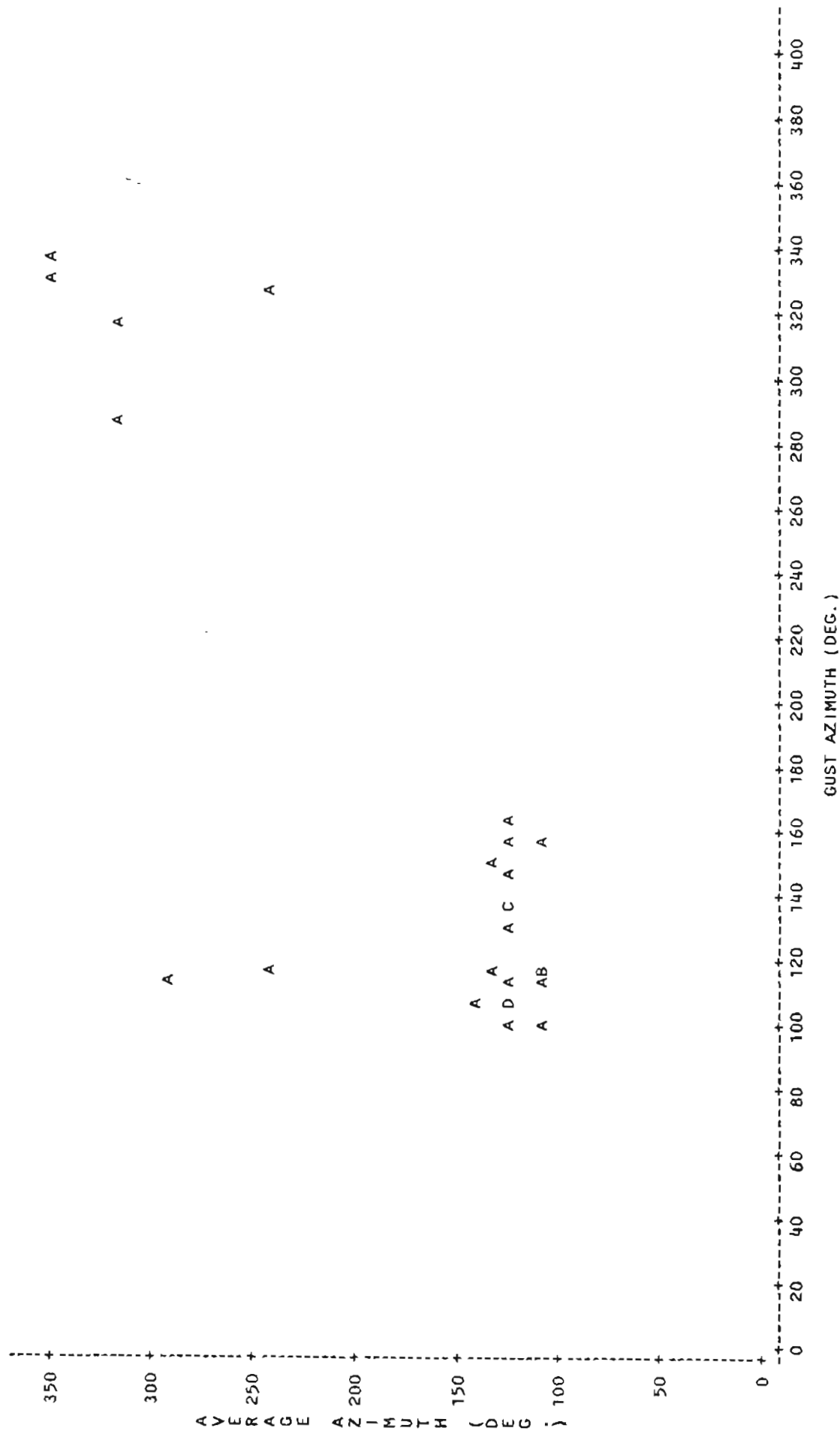




SAS  
AVERAGE AZIMUTH VERSUS GUST AZIMUTH-BY MONTH

YR=83 MD=2

PLOT OF AVDR\*GUDR LEGEND: A = 1 OBS, B = 2 OBS, ETC.



NOTE: 139 OBS HAD MISSING VALUES

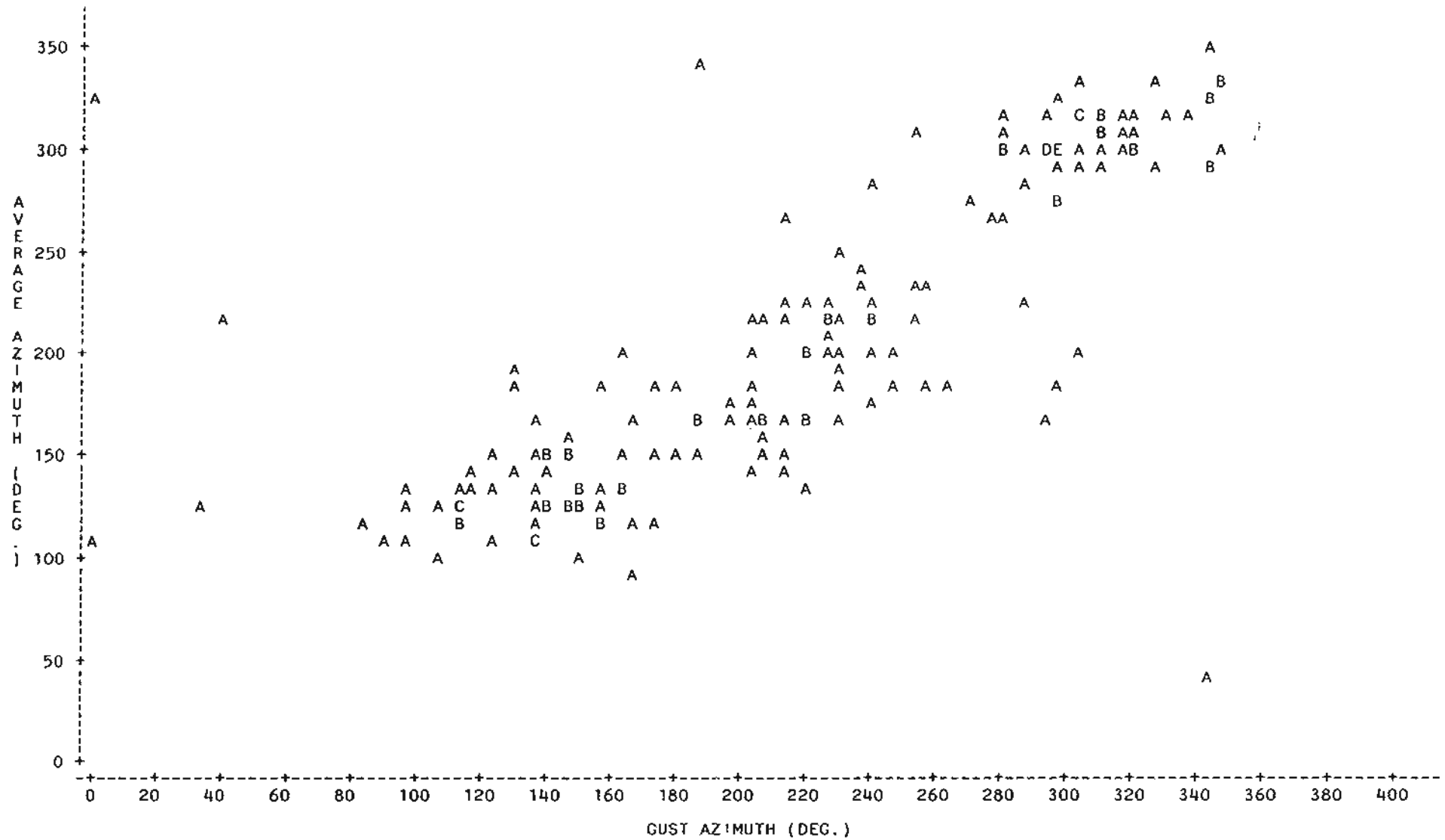


SAS  
AVERAGE AZIMUTH VERSUS GUST AZIMUTH-BY MONTH

123

YR=83 MO=4

PLOT OF AVDR\*CUDR LEGEND: A = 1 OBS, B = 2 OBS, ETC.

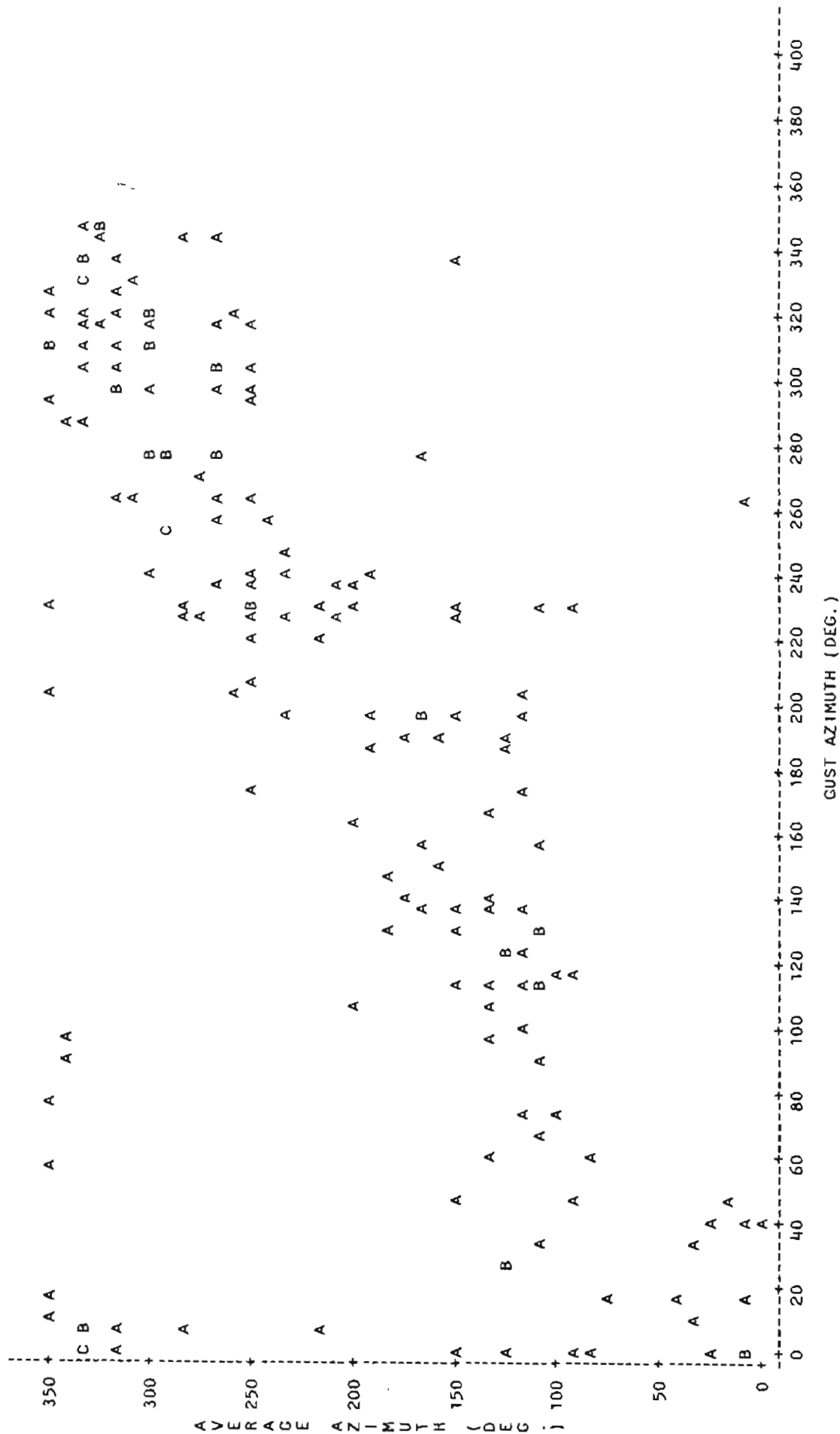




SAS  
AVERAGE AZIMUTH VERSUS GUST AZIMUTH-BY MONTH

YR=83 MD=6

PLOT OF AVDR\*GUDR LEGEND: A = 1 OBS, B = 2 OBS, ETC.

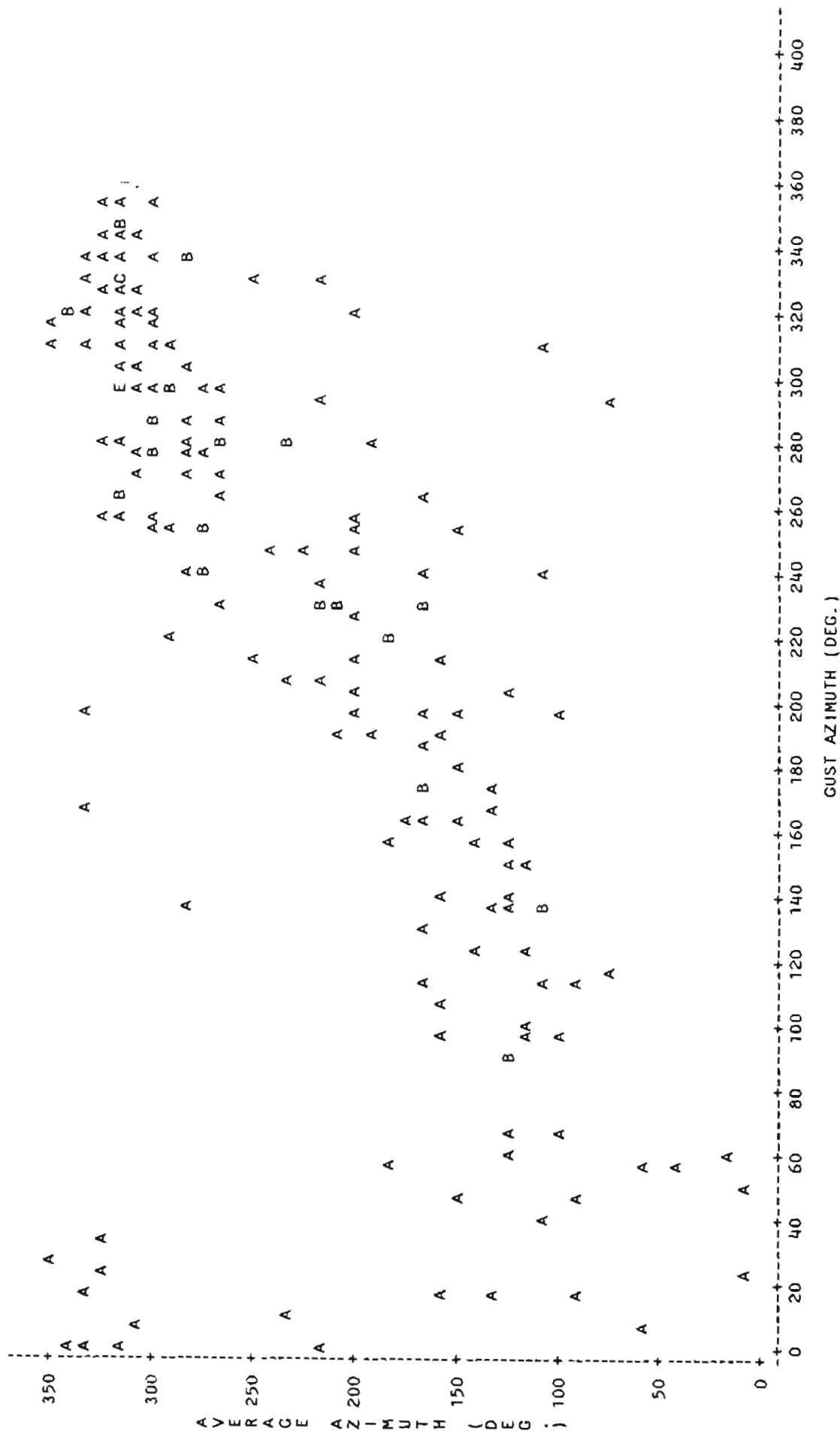


AVERAGE AZIMUTH VERSUS GUST AZIMUTH-8Y MONTH

SAS

YR=83 MO=7

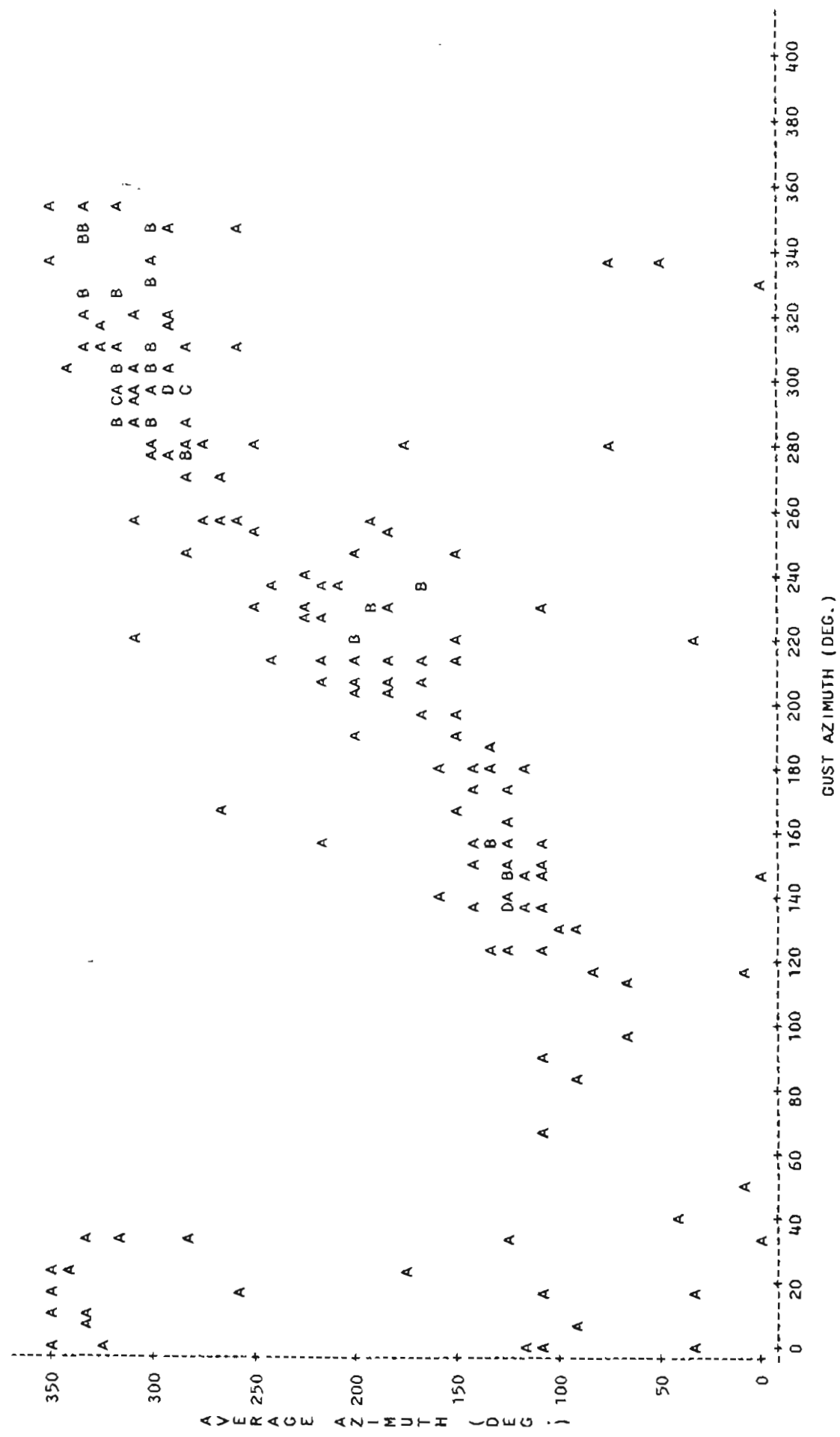
PLOT OF AVDR\*GUDR LEGEND: A = 1 OBS, B = 2 OBS, ETC.



SAS  
AVERAGE AZIMUTH VERSUS GUST AZIMUTH-BY MONTH

YR=83 MO=8

PLOT OF AVDR\*GUDR      LEGEND: A = 1 OBS, B = 2 OBS, ETC.



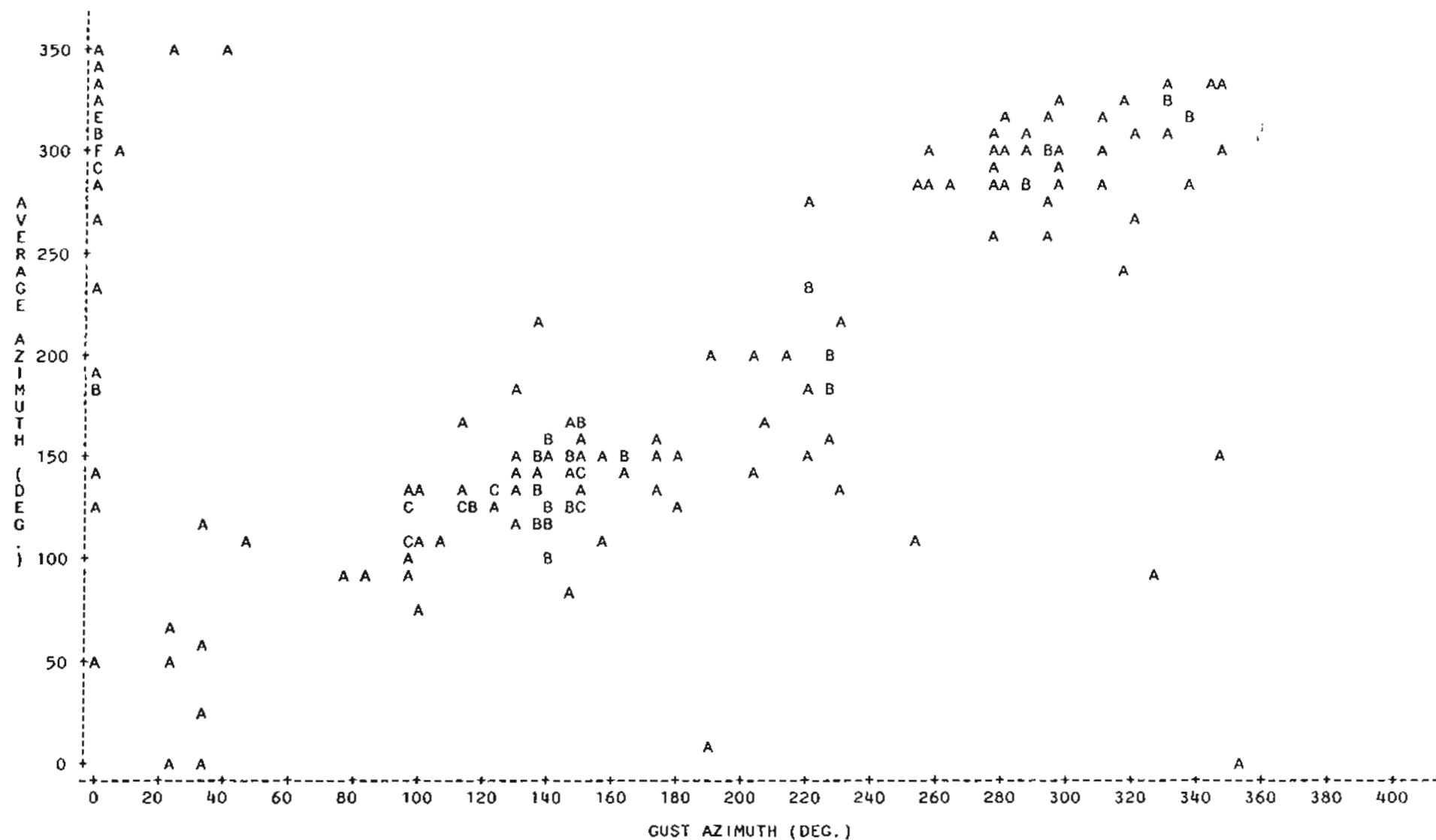


SAS  
AVERAGE AZIMUTH VERSUS GUST AZIMUTH-BY MONTH

128

YR=83 MO=9

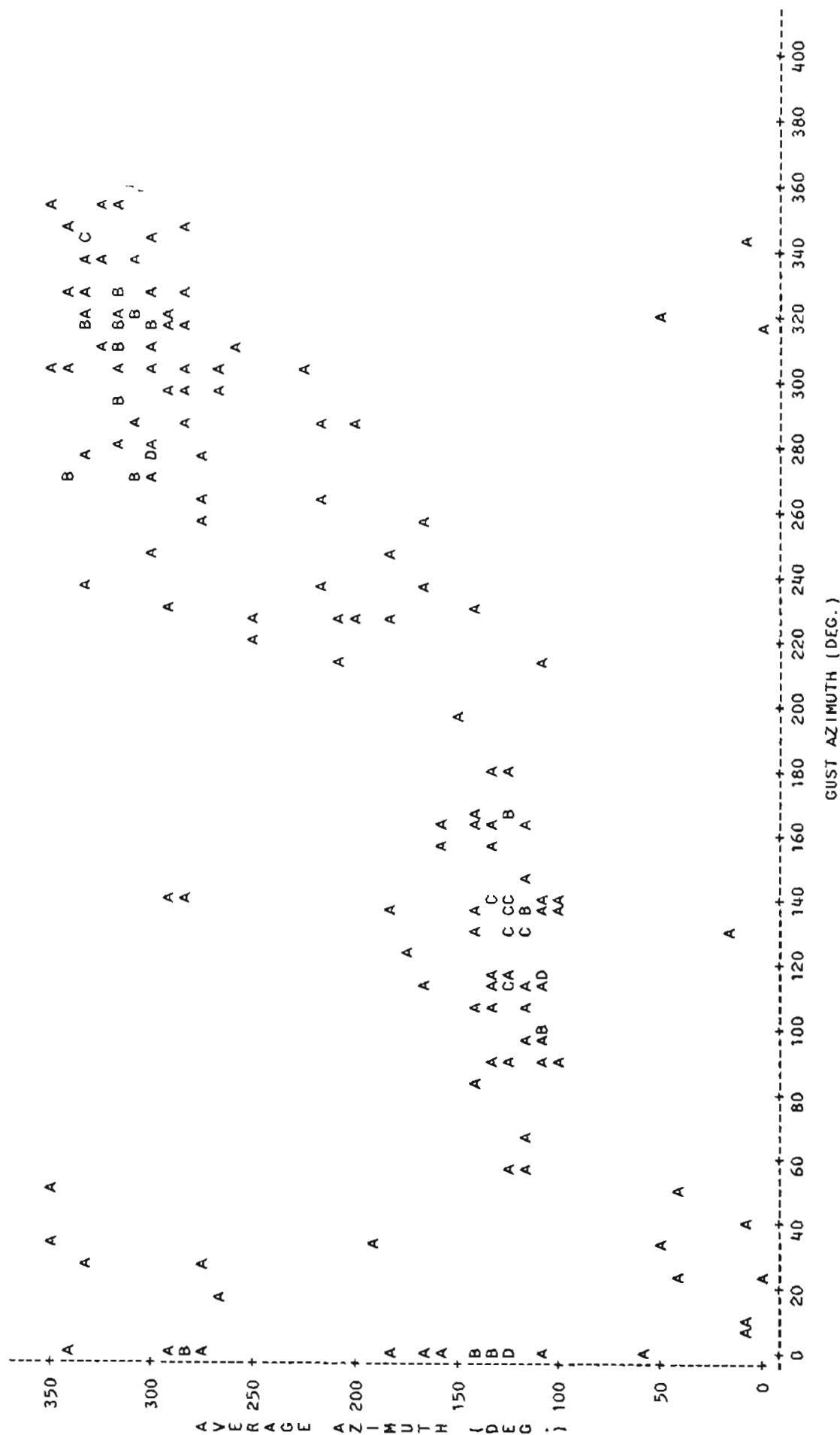
PLOT OF AVDR\*GUDR LEGEND: A = 1 OBS, B = 2 OBS, ETC.



AVERAGE AZIMUTH VERSUS GUST AZIMUTH-BY MONTH

YR=83 MO=10

PLOT OF AVDR\*GUDR LEGEND: A = 1 OBS, B = 2 OBS, ETC.

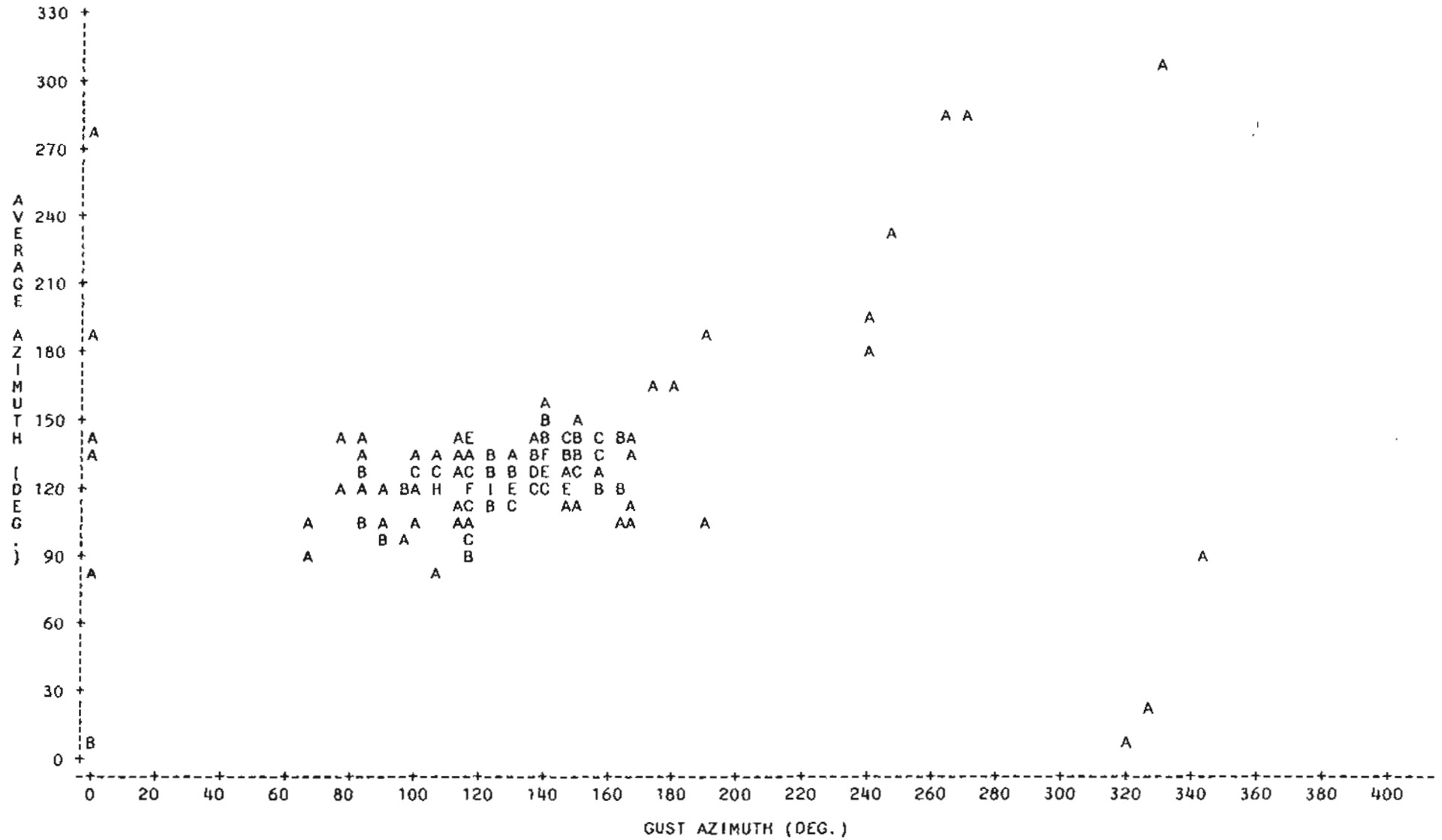


SAS  
AVERAGE AZIMUTH VERSUS GUST AZIMUTH-BY MONTH

130

YR=83 MO=11

PLOT OF AVDR\*GUDR LEGEND: A = 1 OBS, B = 2 OBS, ETC.

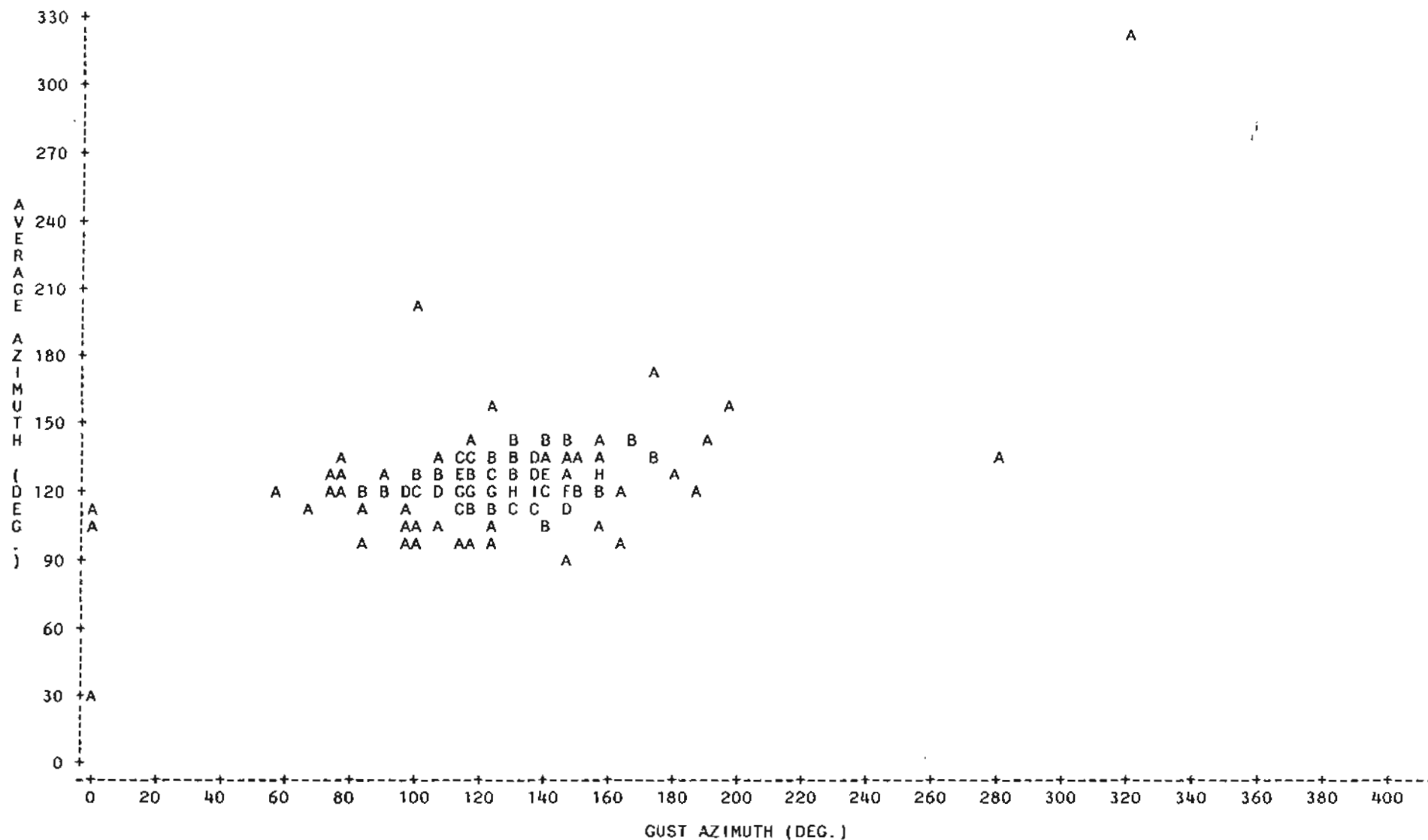


SAS  
AVERAGE AZIMUTH VERSUS GUST AZIMUTH-BY MONTH

131

YR=83 MO=12

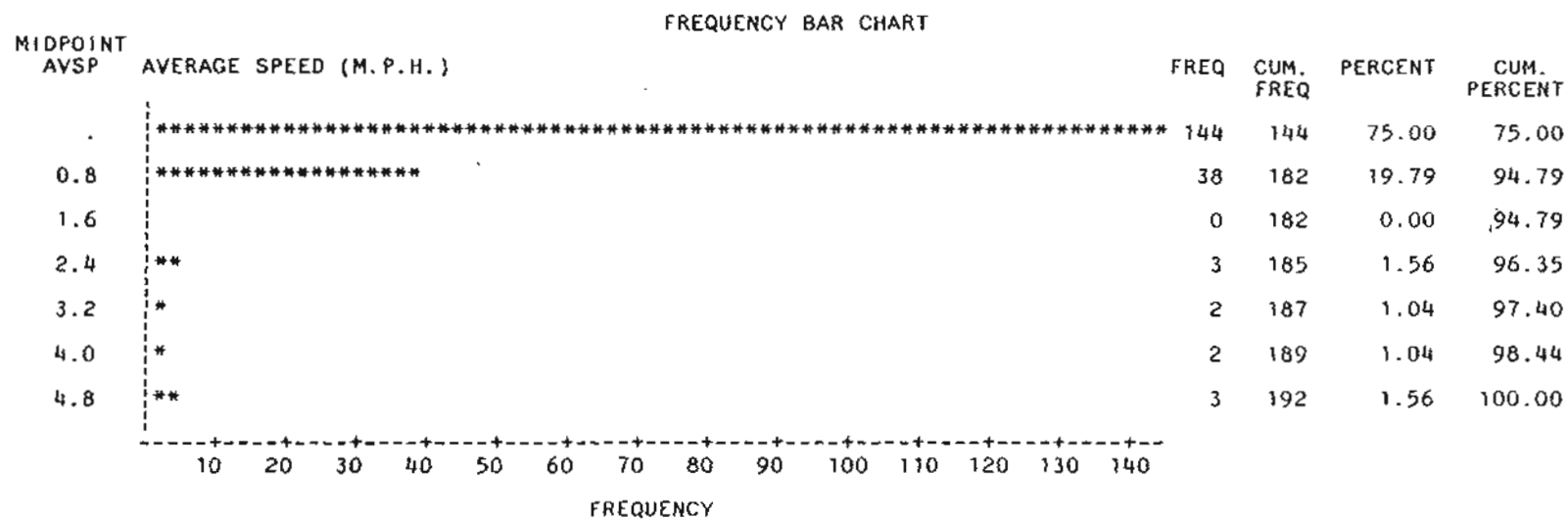
PLOT OF AVDR\*GUOR LEGEND: A = 1 OBS, B = 2 OBS, ETC.



SAS  
MONTHLY AVERAGE WIND SPEEDS

132

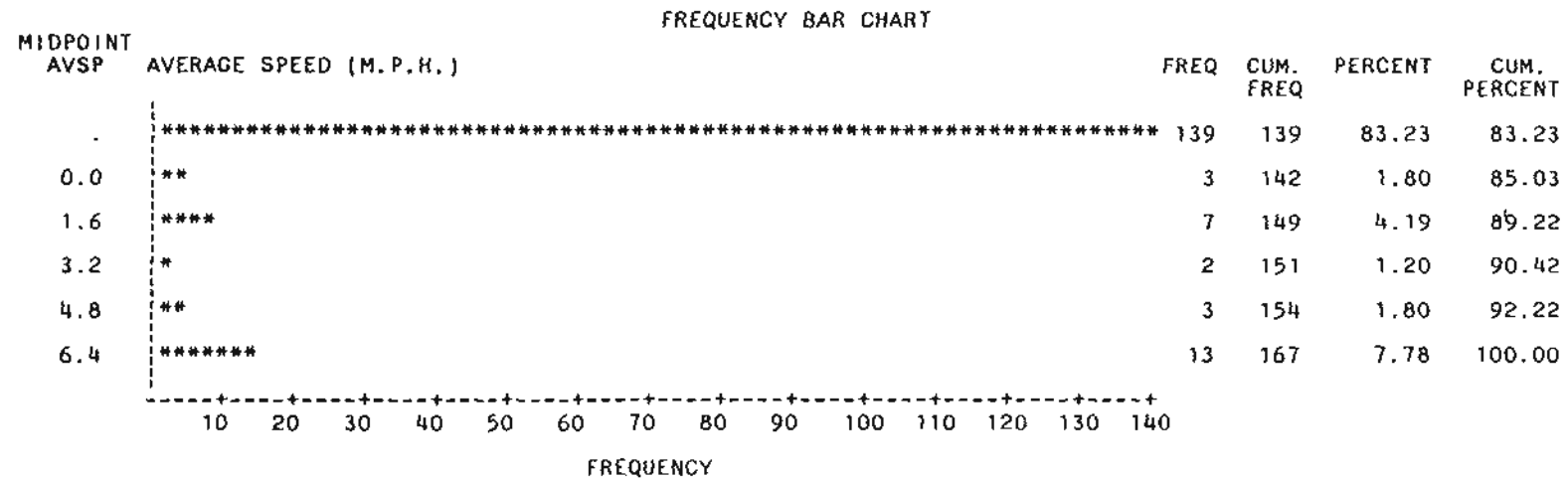
YR=83 MO=1



SAS  
MONTHLY AVERAGE WIND SPEEDS

133

YR=83 MO=2

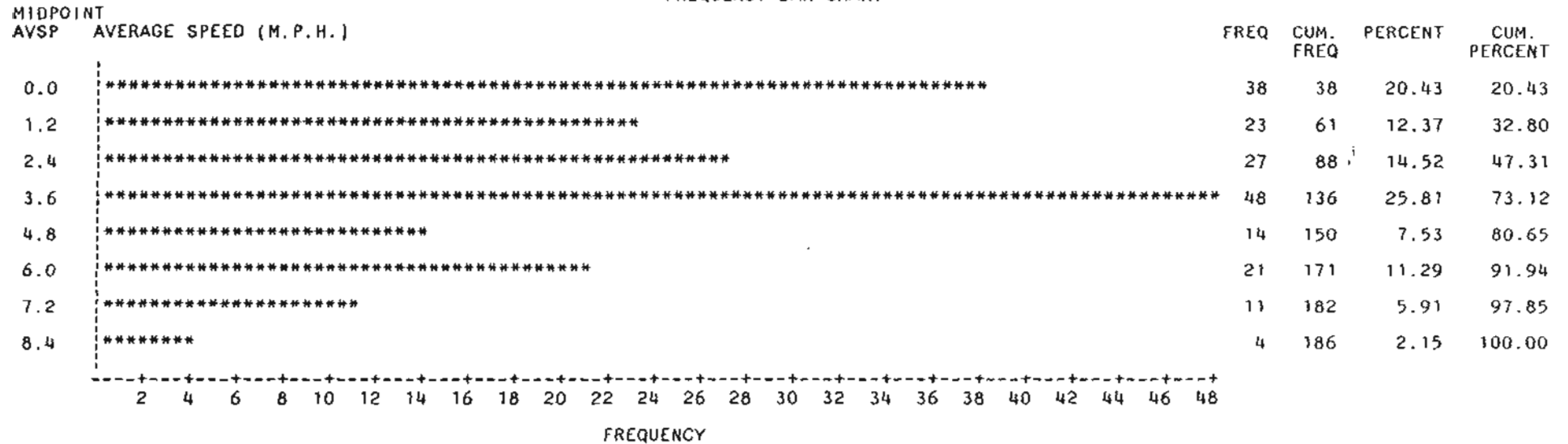


SAS  
MONTHLY AVERAGE WIND SPEEDS

134

YR=83 MO=3

FREQUENCY BAR CHART



SAS  
MONTHLY AVERAGE WIND SPEEDS

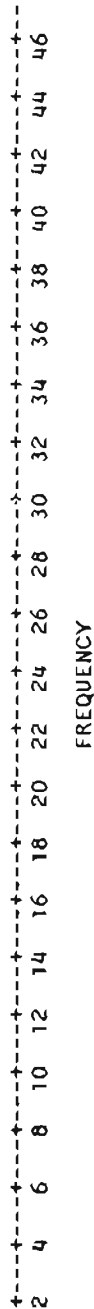
YR=83 MO=4

MIDPOINT  
AVSP

AVERAGE SPEED (M. P. H.)

FREQUENCY BAR CHART

	FREQ	CUM. FREQ	PERCENT	CUM. PERCENT
0.0	29	29	16.11	16.11
1.6	47	76	26.11	42.22
3.2	37	113	20.56	62.78
4.8	24	137	13.33	76.11
6.4	30	167	16.67	92.78
8.0	9	176	5.00	97.78
9.6	3	179	1.67	99.44
11.2	1	180	0.56	100.00

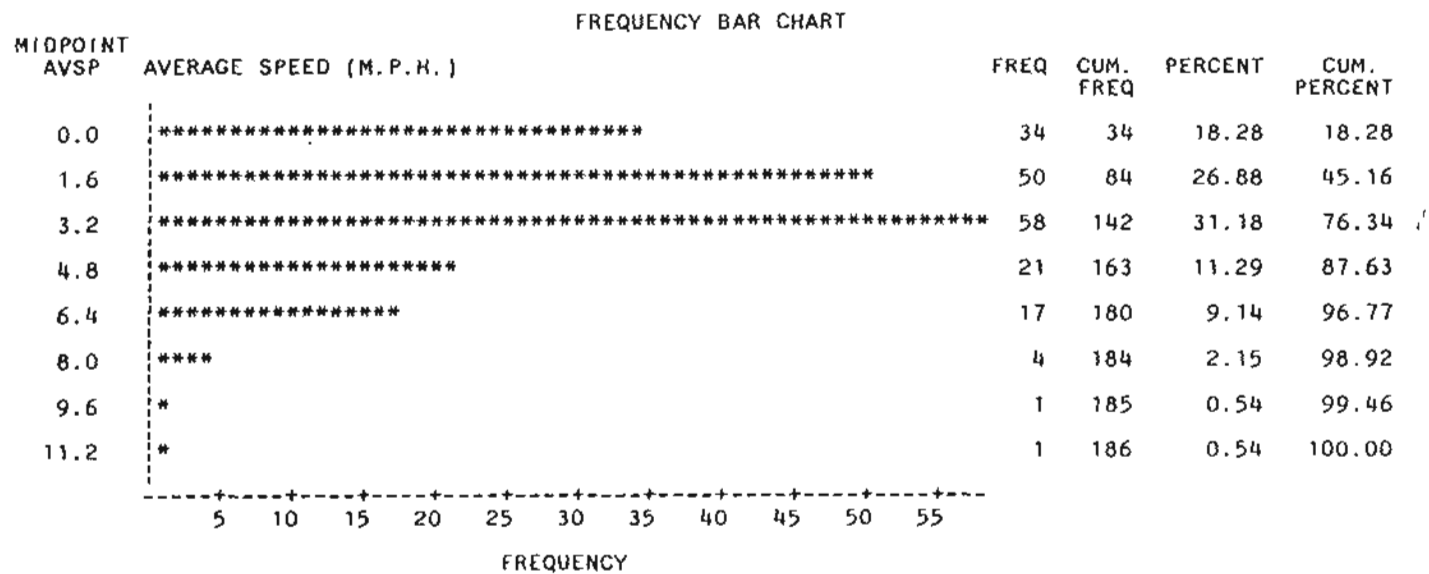




SAS  
MONTHLY AVERAGE WIND SPEEDS

136

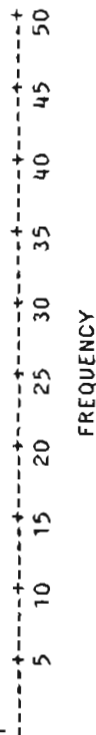
YR=83 MO=5



SAS  
MONTHLY AVERAGE WIND SPEEDS

YR=83 MO=6

MIDPOINT AVSP	AVERAGE SPEED ( M. P. H. )	FREQUENCY BAR CHART			
		FREQ	CUM. FREQ	PERCENT	CUM. PERCENT
0.0	*****	34	34	18.89	18.89
1.2	*****	27	61	15.00	33.89
2.4	*****	36	97	20.00	53.89
3.6	*****	50	147	27.78	81.67
4.8	*****	13	160	7.22	88.89
6.0	*****	12	172	6.67	95.56
7.2	*****	6	178	3.33	98.89
8.4	**	2	180	1.11	100.00



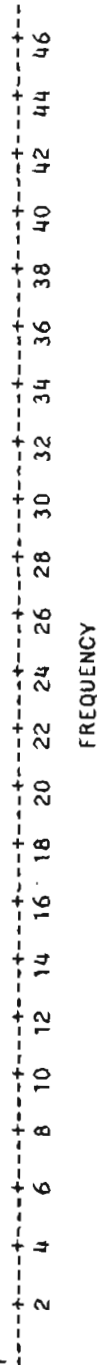
SAS  
MONTHLY AVERAGE WIND SPEEDS

YR=83 MO=7

FREQUENCY BAR CHART

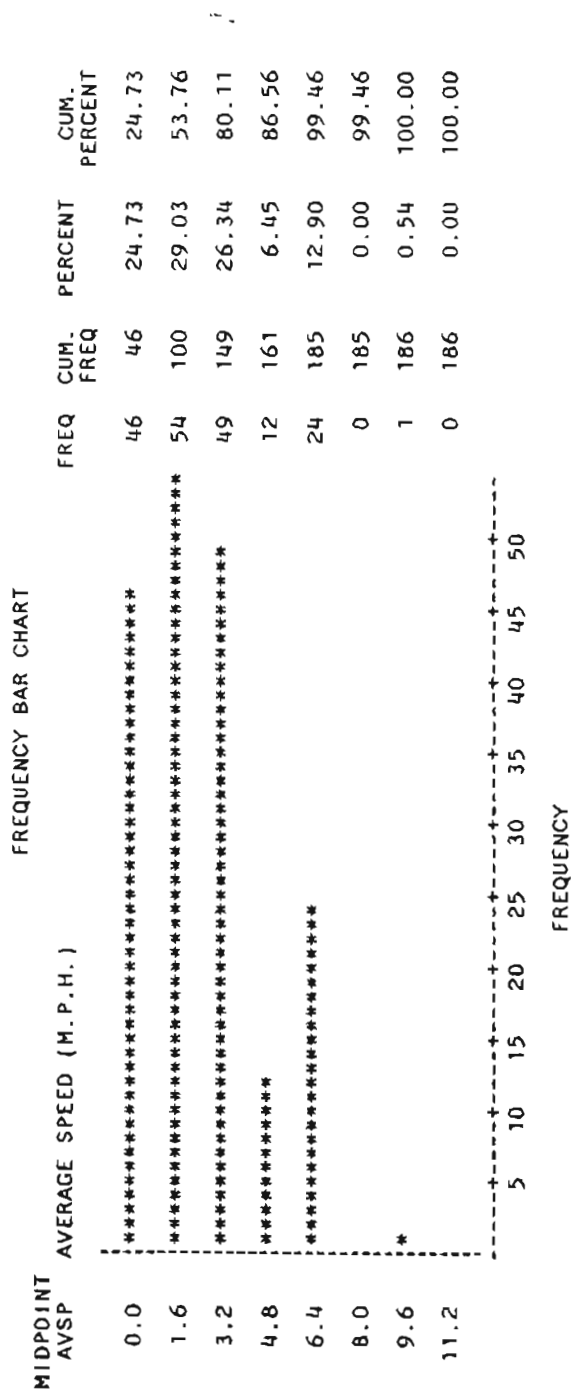
MIDPOINT  
AVSP AVERAGE SPEED (M.P.H.)

	FREQ	CUM. FREQ	PERCENT	CUM. PERCENT
0	47	47	25.27	25.27
1	23	70	12.37	37.63
2	23	93	12.37	50.00
3	22	115	11.83	61.83
4	31	146	16.67	78.49
5	16	162	8.60	87.10
6	19	181	10.22	97.31
7	5	186	2.69	100.00



## MONTHLY AVERAGE WIND SPEEDS

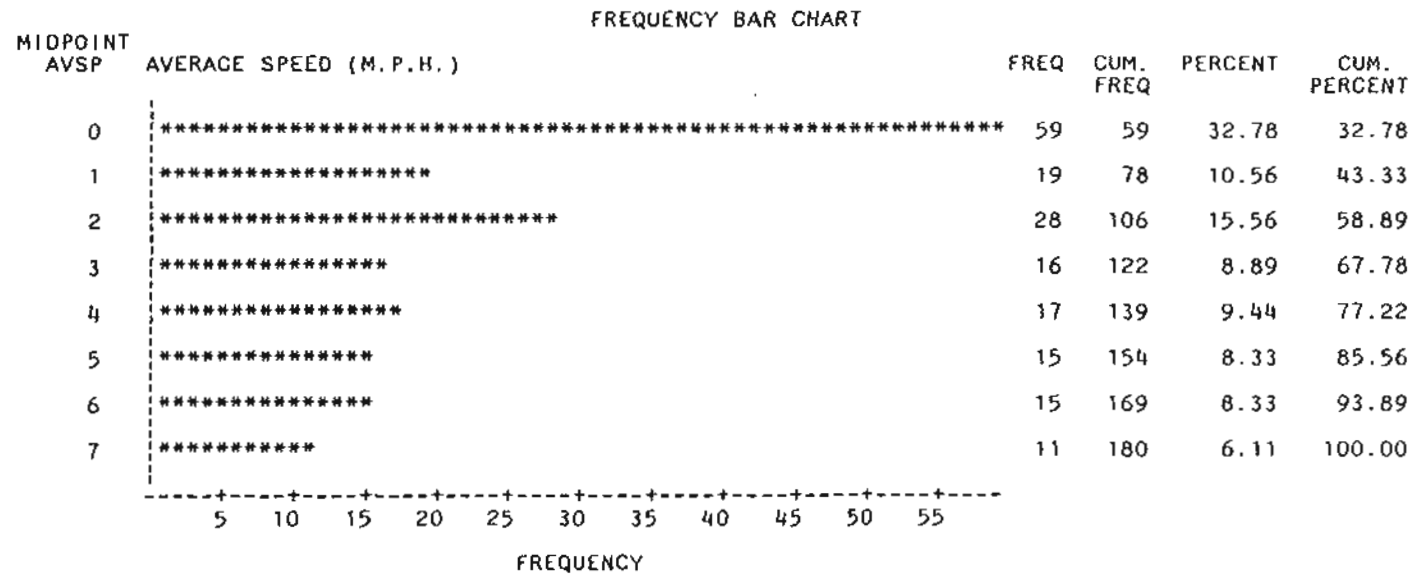
YR=83 MD=8



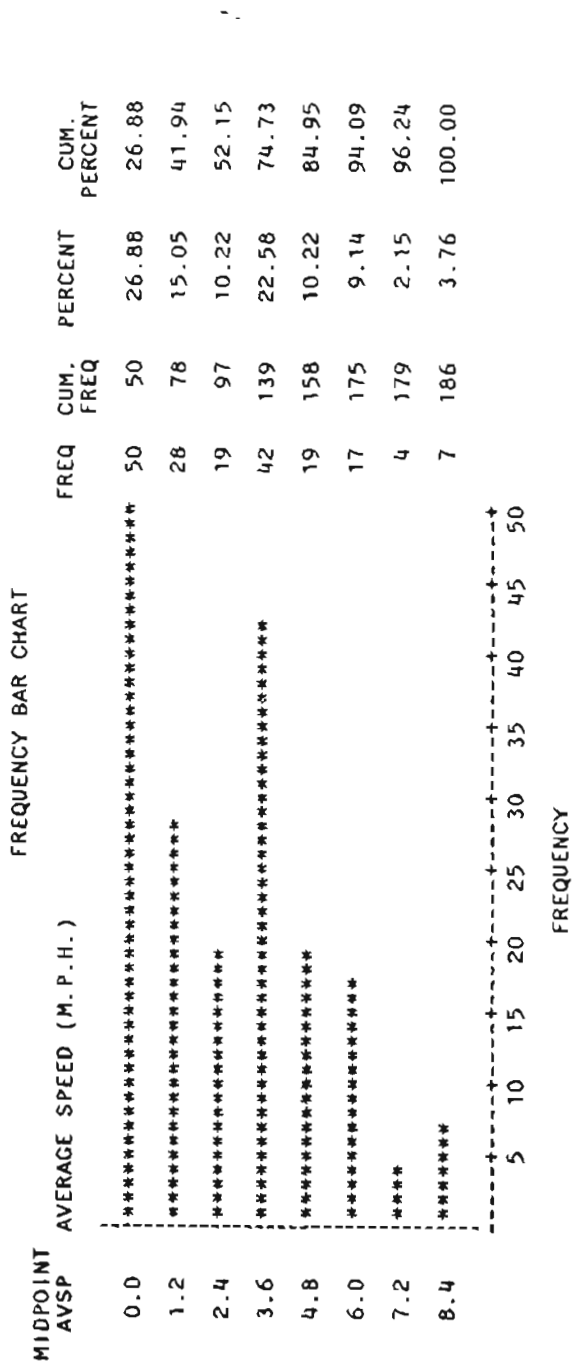
SAS  
MONTHLY AVERAGE WIND SPEEDS

140

YR=83 MO=9

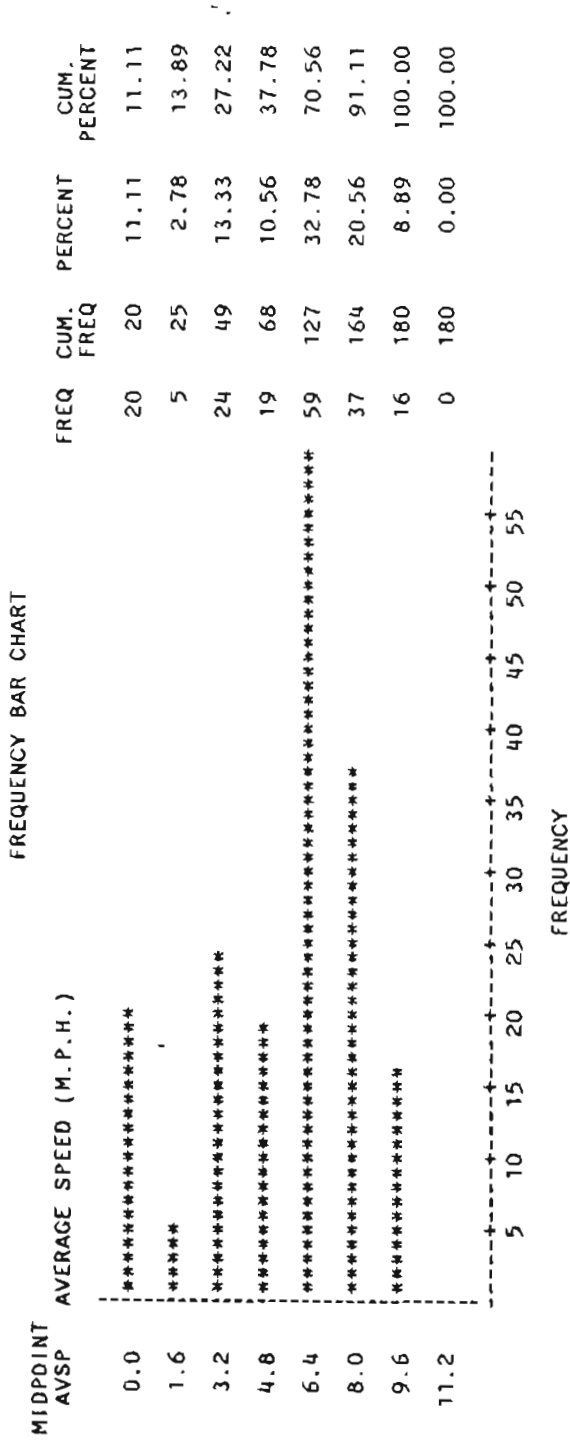


SAS  
MONTHLY AVERAGE WIND SPEEDS



SAS  
MONTHLY AVERAGE WIND SPEEDS

YR=83 MO=11

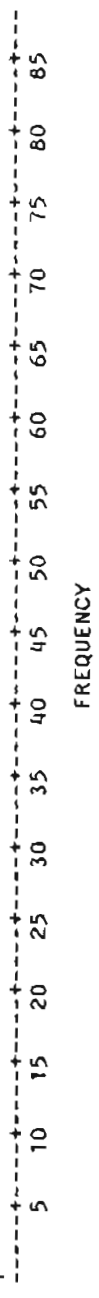


SAS  
MONTHLY AVERAGE WIND SPEEDS

YR=83 MO=12

FREQUENCY BAR CHART

MIDPOINT AVSP	AVERAGE SPEED (M.P.H.)	FREQ	CUM. FREQ	PERCENT	CUM. PERCENT
0.0	*****	13	13	6.99	6.99
1.6	*****	13	26	6.99	13.98
3.2	*****	18	44	9.68	23.66
4.8	*****	25	69	13.44	37.10
6.4	*****	88	157	47.31	84.41
8.0	*****	23	180	12.37	96.77
9.6	*****	6	186	3.23	100.00
11.2		0	186	0.00	100.00





YR=93 MD=2

SAS  
MONTHLY AVERAGE WIND SPEEDS

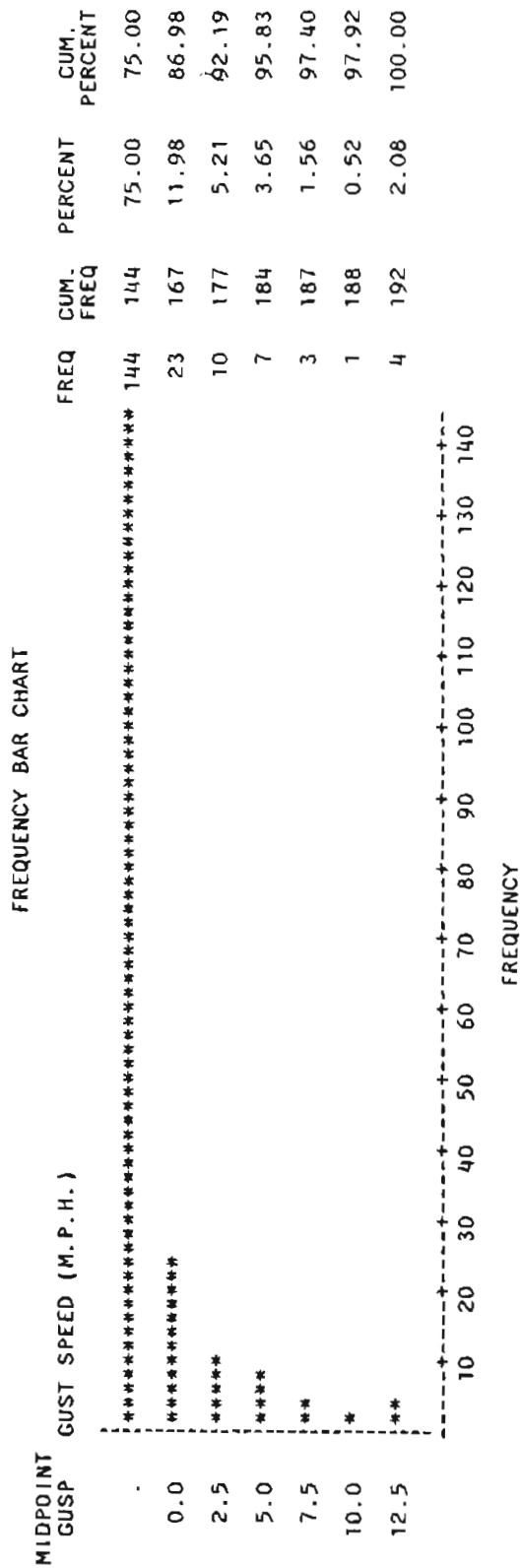
FREQUENCY BAR CHART

MIDPOINT AVSP	AVERAGE SPEED (M.P.H.)	FREQ	CUM. FREQ	PERCENT	CUM. PERCENT
.	*****	1	1	100.00	100.00

FREQUENCY

SAS  
MONTHLY GUST SPEEDS

YR=83 MD=1



SAS  
MONTHLY GUST SPEEDS

YR=83 MO=2

FREQUENCY BAR CHART

MIDPOINT GUSP	GUST SPEED (M.P.H.)	FREQ	CUM. FREQ	PERCENT	CUM. PERCENT
.	*****	139	139	83.23	83.23
4	*****	8	147	4.79	88.02
8	**	3	150	1.80	89.82
12	*****	7	157	4.19	94.01
16	*****	8	165	4.79	98.80
20	*	2	167	1.20	100.00

FREQUENCY

SAS  
MONTHLY GUST SPEEDS

YR=83 MO=3

MIDPOINT GUSP		GUST SPEED (M.P.H.)		FREQUENCY BAR CHART			
				FREQ	CUM. FREQ	PERCENT	CUM. PERCENT
0		*****		12	12	6.45	6.45
3		*****	*****	37	49	19.89	26.34
6		*****	*****	37	86	19.89	46.24
9		*****	*****	33	119	17.74	63.98
12		*****	*****	40	159	21.51	85.48
15		*****	*****	18	177	9.68	95.16
18		*****		7	184	3.76	98.92
21		***		2	186	1.08	100.00

2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40  
FREQUENCY

SAS  
MONTHLY GUST SPEEDS

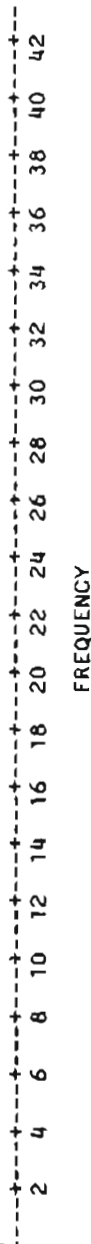
YR=83 MO=4

MIDPOINT

GUSP GUST SPEED (M.P.H.)

FREQUENCY BAR CHART

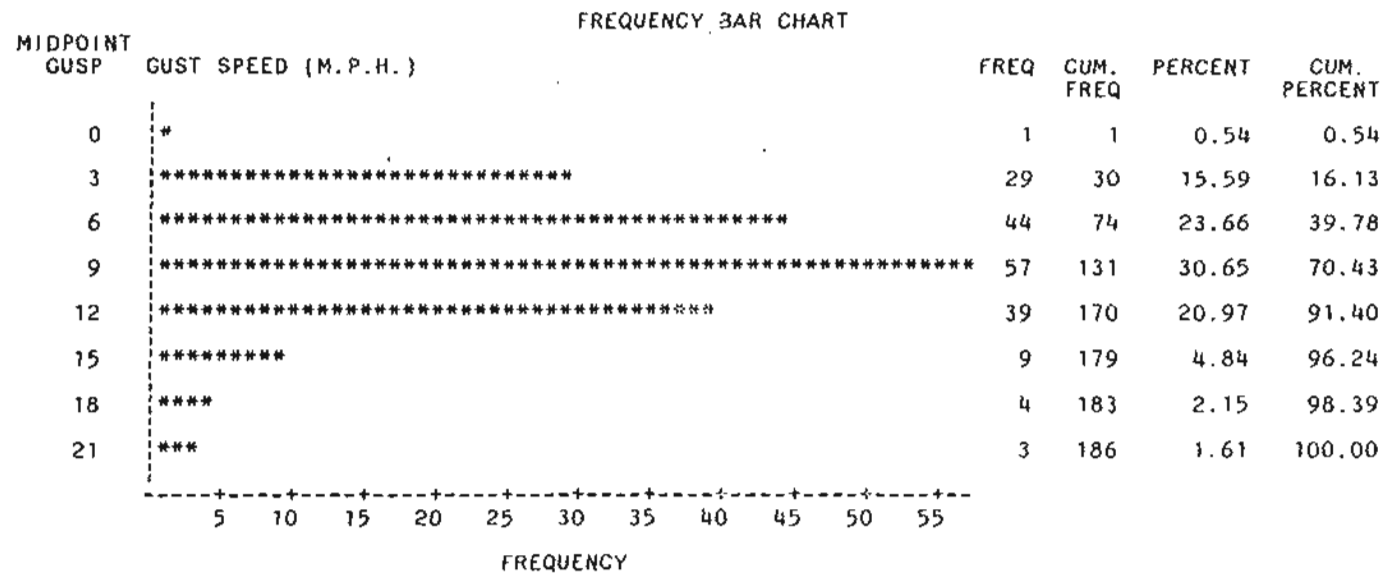
	FREQ	CUM. FREQ	PERCENT	CUM. PERCENT
3	32	32	17.78	17.78
6	34	66	18.89	36.67
9	43	109	23.89	60.56
12	43	152	23.89	84.44
15	19	171	10.56	95.00
18	6	177	3.33	98.33
21	2	179	1.11	99.44
24	1	180	0.56	100.00



SAS  
MONTHLY GUST SPEEDS

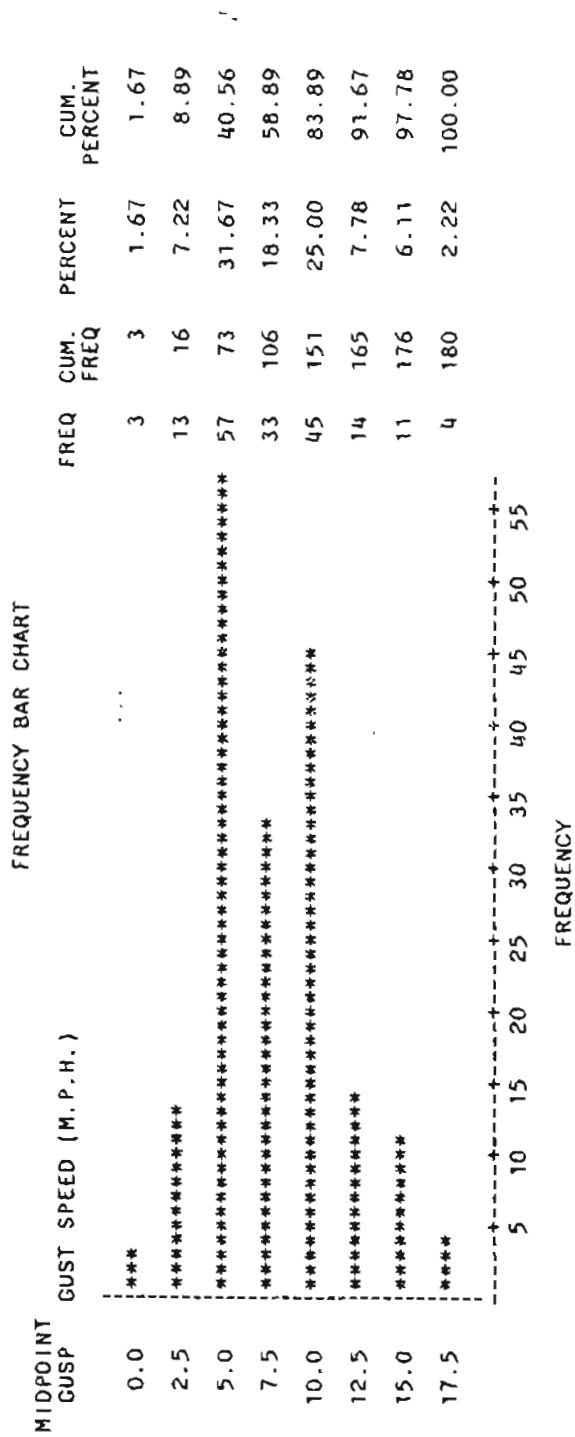
149

YR=83 MO=5



SAS  
MONTHLY GUST SPEEDS

YR=83 MD=6

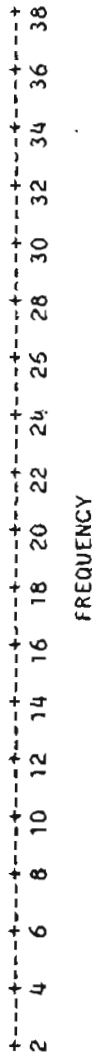


SAS  
MONTHLY GUST SPEEDS

YR=83 MO=7

FREQUENCY BAR CHART

MIDPOINT GUSP	GUST SPEED (M.P.H.)	FREQ	CUM. FREQ	PERCENT	CUM. PERCENT
2	*****	11	11	5.91	5.91
4	*****	38	49	20.43	26.34
6	*****	33	82	17.74	44.09
8	*****	35	117	18.82	62.90
10	*****	25	142	13.44	76.34
12	*****	23	165	12.37	88.71
14	*****	16	181	8.60	97.31
16	*****	5	186	2.69	100.00



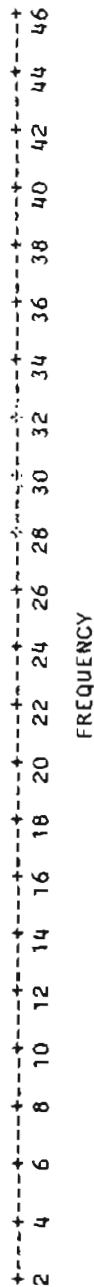


SAS  
MONTHLY GUST SPEEDS

YR=83 MO=8

FREQUENCY BAR CHART

MIDPOINT GUST	CUST SPEED (M.P.H.)	FREQ	CUM. FREQ	PERCENT	CUM. PERCENT
0.0	*****	1	1	0.54	0.54
2.5	*****	28	29	15.05	15.59
5.0	*****	46	75	24.73	40.32
7.5	*****	36	111	19.35	59.68
10.0	*****	42	153	22.58	82.26
12.5	*****	17	170	9.14	91.40
15.0	*****	10	180	5.38	96.77
17.5	*****	6	186	3.23	100.00



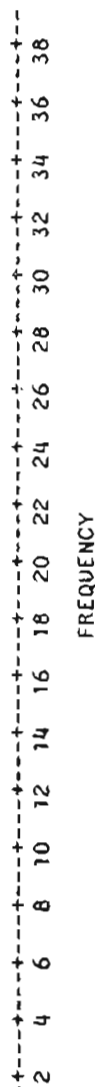
SAS  
MONTHLY GUST SPEEDS

YR=83 MO=9

MIDPOINT  
GUSP

FREQUENCY BAR CHART

GUST SPEED (M. P. H.)					
		FREQ	CUM. FREQ	PERCENT	CUM. PERCENT
0	*****	23	23	12.78	12.78
3	*****	39	62	21.67	34.44
6	*****	38	100	21.11	55.56
9	*****	35	135	19.44	75.00
12	*****	27	162	15.00	90.00
15	*****	14	176	7.78	97.78
18	*****	3	179	1.67	99.44
21	**	1	180	0.56	100.00

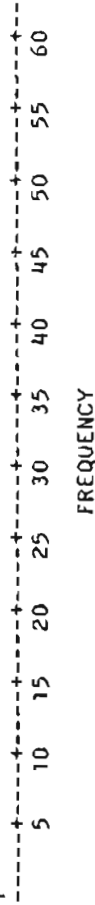


SAS  
MONTHLY GUST SPEEDS

YR=83 MD=10

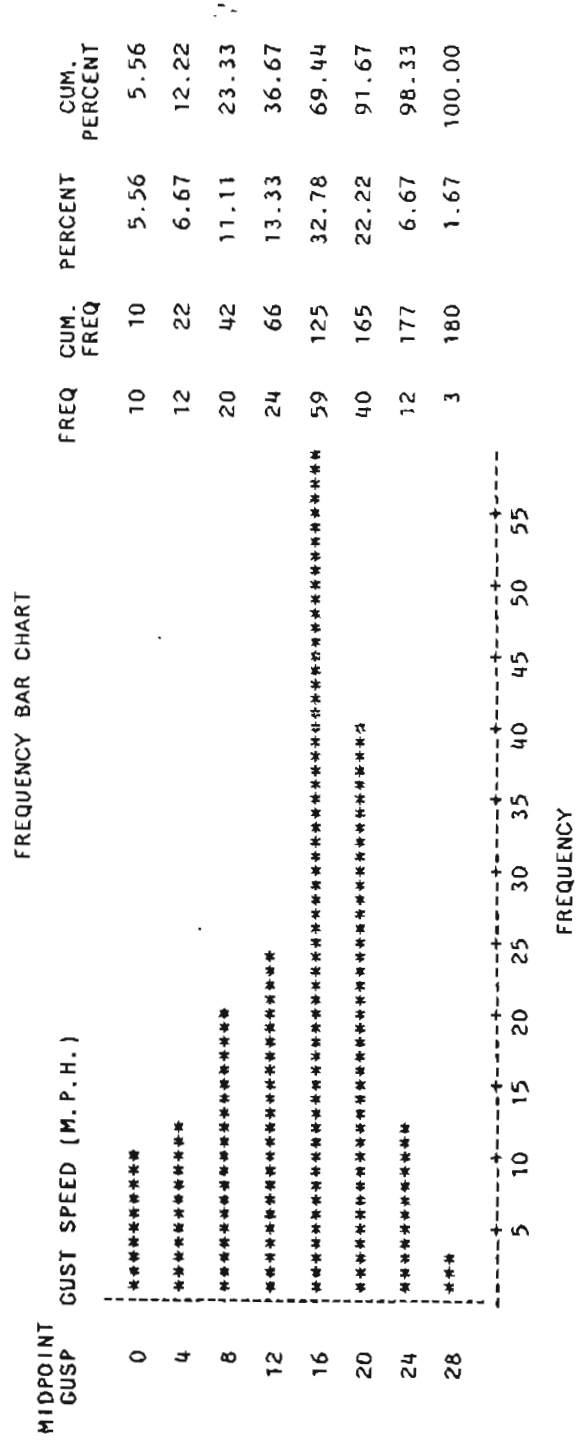
FREQUENCY BAR CHART

MIDPOINT GUSP	GUST SPEED (M.P.H.)	FREQ	CUM. FREQ	PERCENT	CUM. PERCENT
0	*****	11	11	5.91	5.91
4	*****	62	73	33.33	39.25
8	*****	50	123	26.88	66.13
12	*****	38	161	20.43	86.56
16	*****	16	177	8.60	95.16
20	*****	8	185	4.30	99.46
24		0	185	0.00	99.46
28	*	1	186	0.54	100.00



SAS  
MONTHLY GUST SPEEDS

YR=83 MO=11



SAS  
MONTHLY GUST SPEEDS

YR=83 MD=12

FREQUENCY BAR CHART

MIDPOINT GUST	CUST SPEED (M.P.H.)	FREQ	CUM. FREQ	PERCENT	CUM. PERCENT
0	*****	4	4	2.15	2.15
3	*****	11	15	5.91	8.06
6	*****	13	28	6.69	15.05
9	*****	18	46	9.68	24.73
12	*****	39	85	20.97	45.70
15	*****	42	127	22.58	68.28
18	*****	42	169	22.58	90.86
21	*****	17	186	9.14	100.00

FREQUENCY

YR=93 MD=2

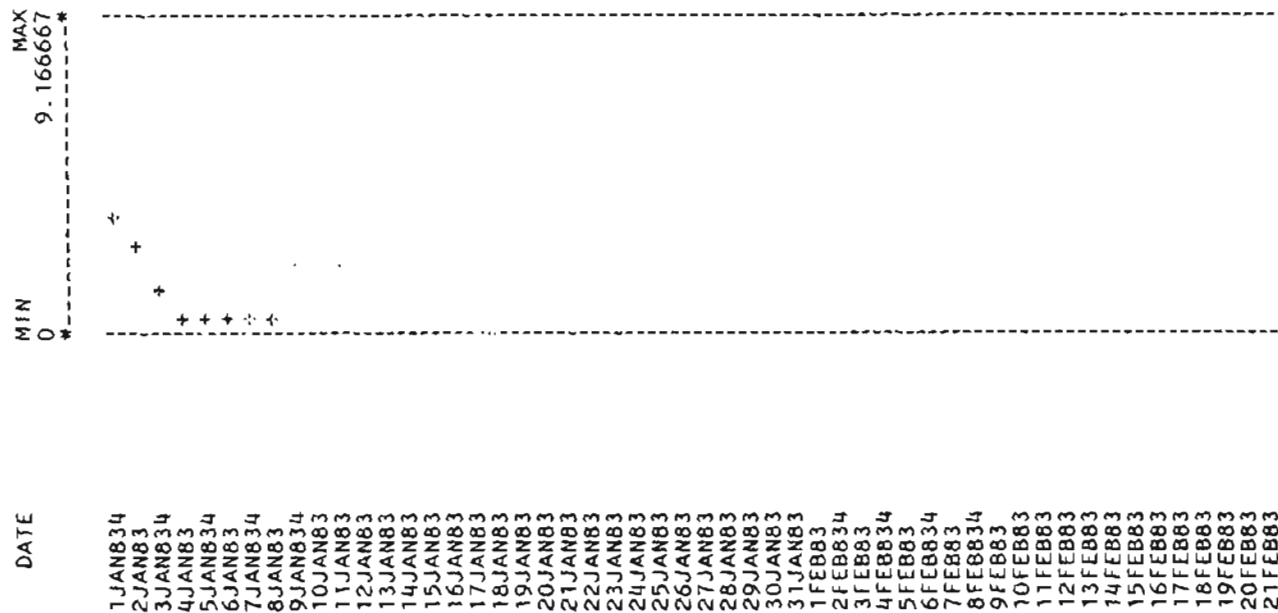
SAS  
MONTHLY GUST SPEEDS

FREQUENCY BAR CHART

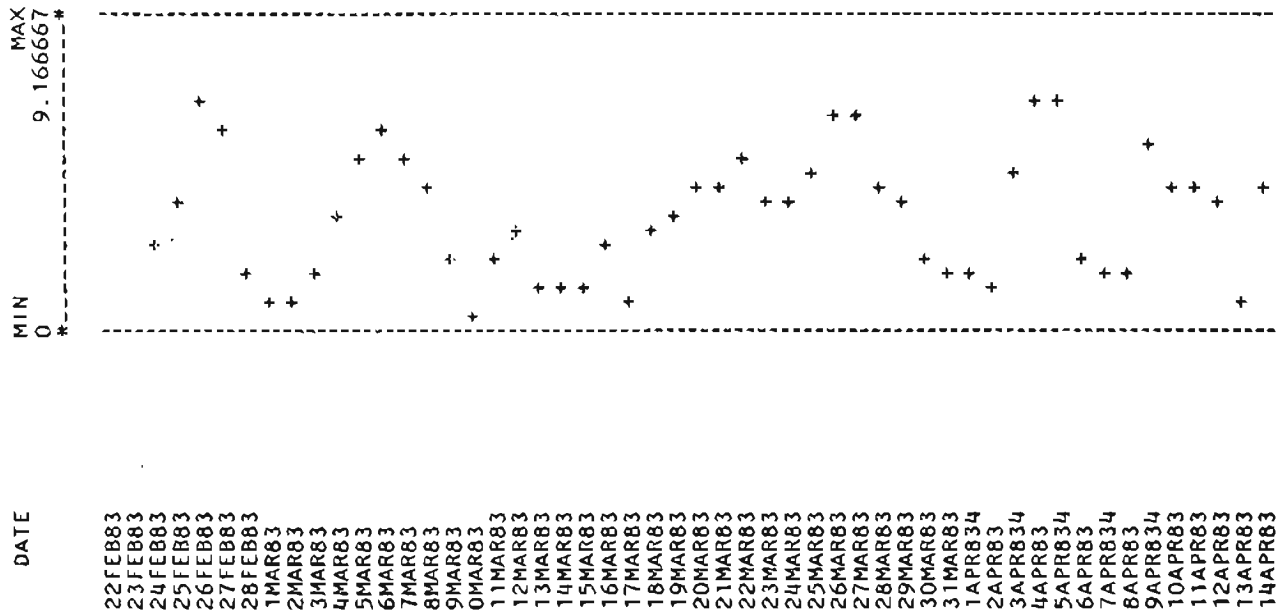
MIDPOINT GUST	GUST SPEED (M.P.H.)	FREQ	CUM. FREQ	PERCENT	CUM. PERCENT
.	*****	1	1	100.00	100.00
	-----+ 1				

FREQUENCY

SAS  
CHART OF DAILY AVERAGE WIND SPEEDS (M. P. H.)

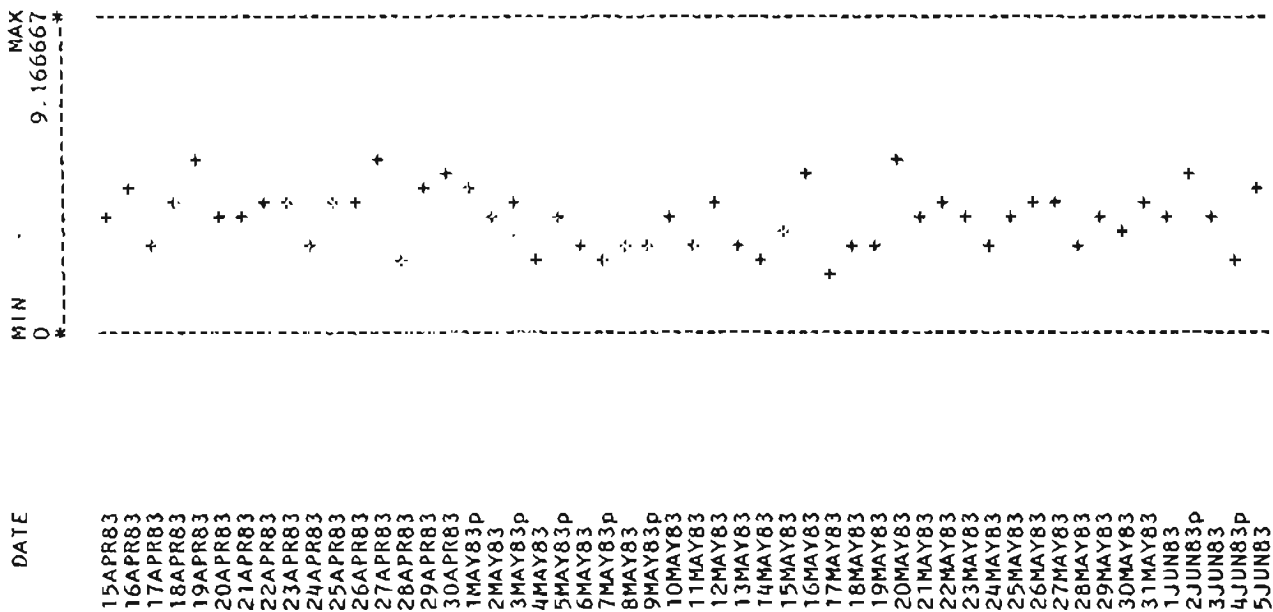


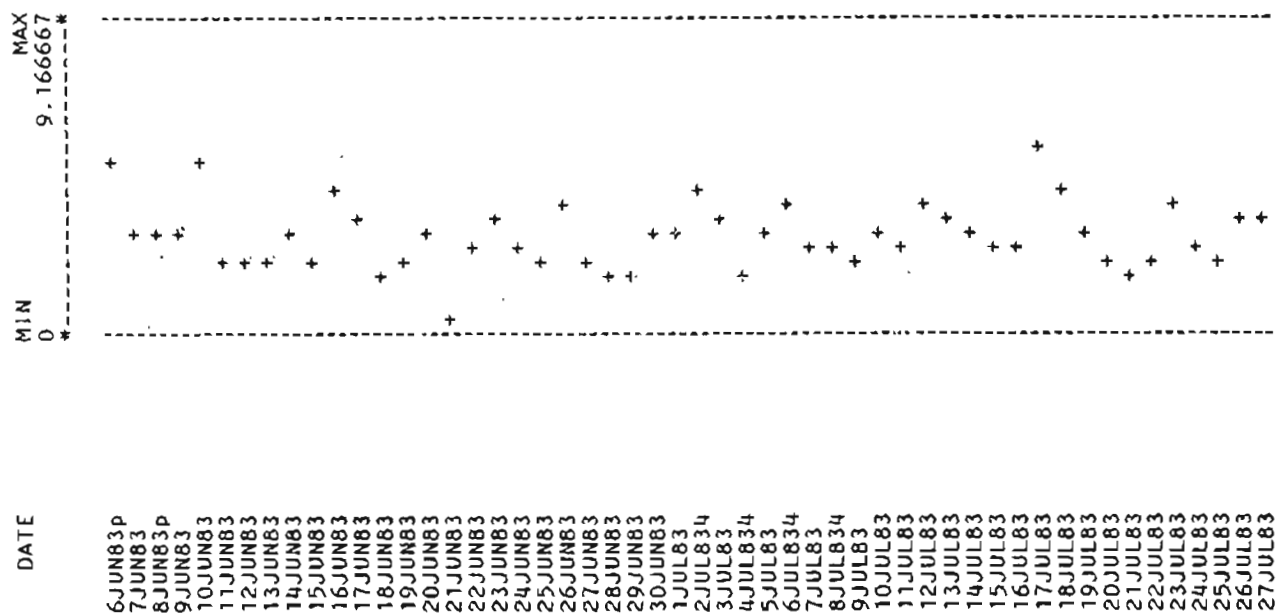
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CHART OF DAILY AVERAGE WIND SPEEDS (M.P.H.)



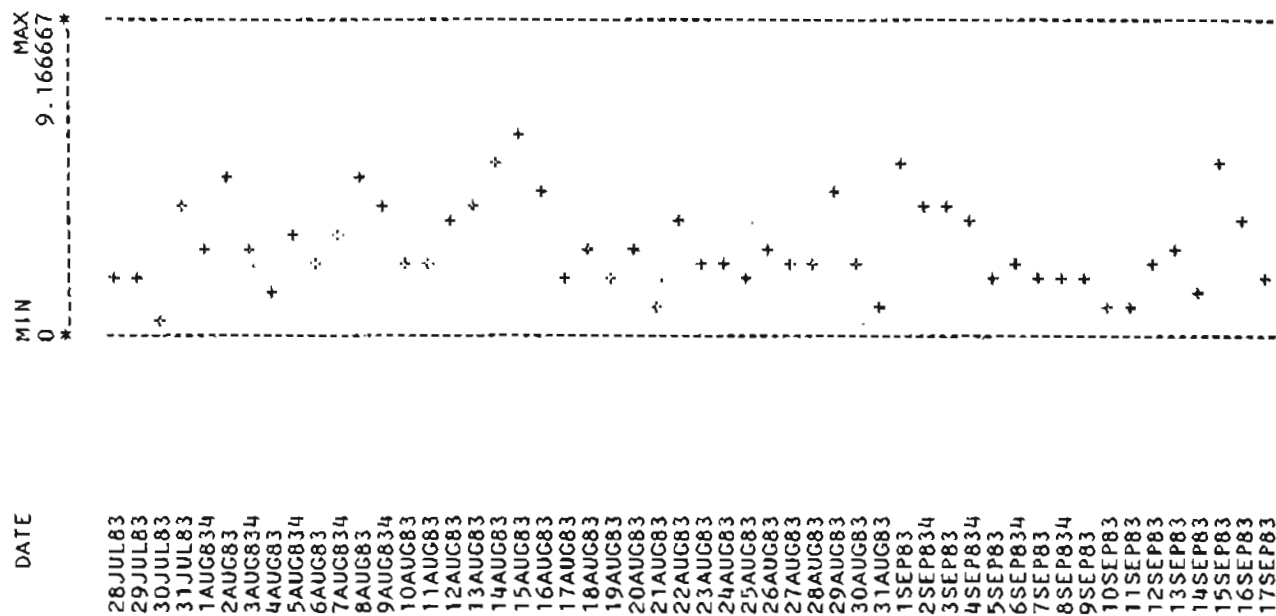


SAS  
CHART OF DAILY AVERAGE WIND SPEEDS (M.P.H.)

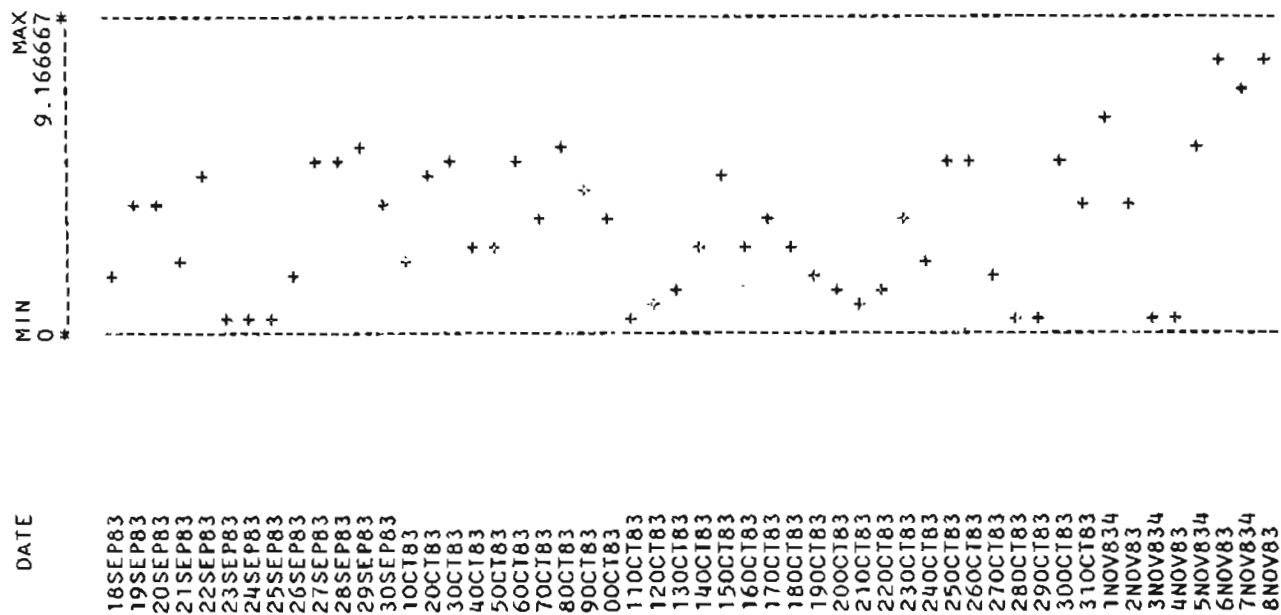


SAS  
CHART OF DAILY AVERAGE WIND SPEEDS (M.P.H.)

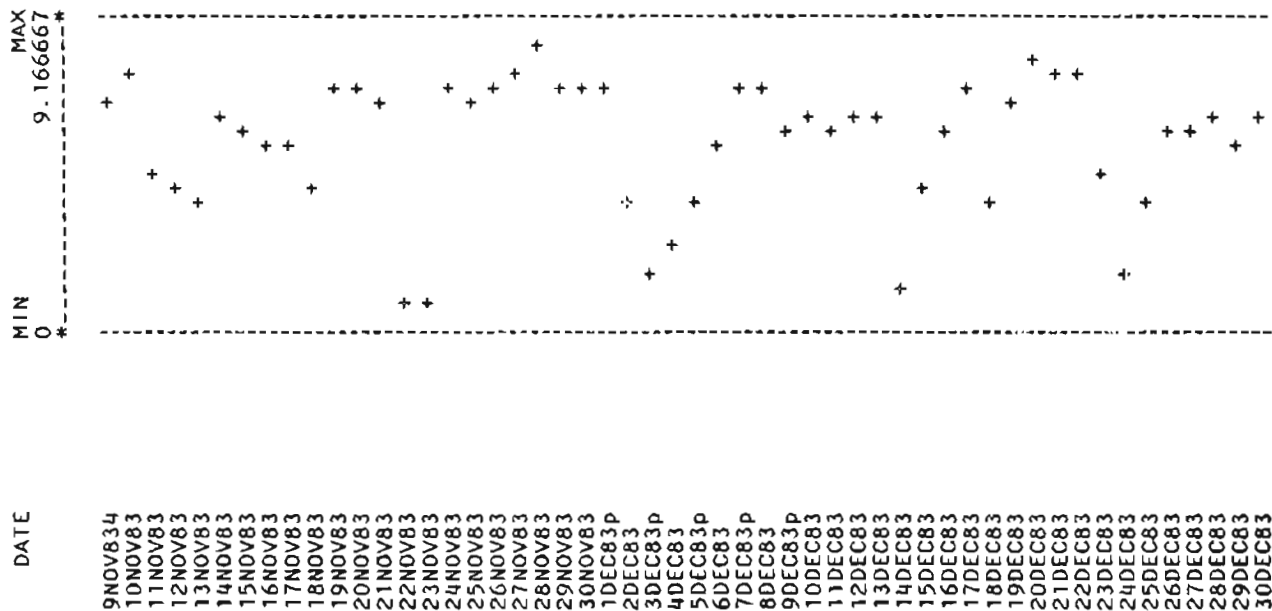
SAS  
CHART OF DAILY AVERAGE WIND SPEEDS (M.P.H.)



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CHART OF DAILY AVERAGE WIND SPEEDS (M. P. H.)



SAS  
CHART OF DAILY AVERAGE WIND SPEEDS (M.P.H.)

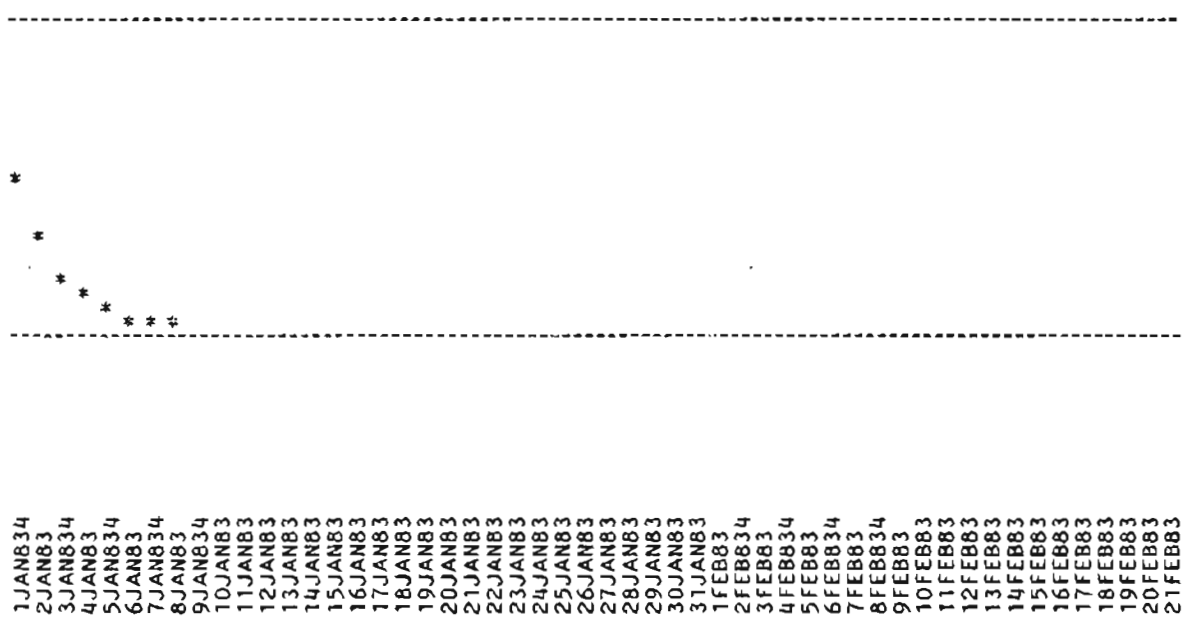


SAS  
CHART OF DAILY AVERAGE WIND SPEEDS (M.P.H.)

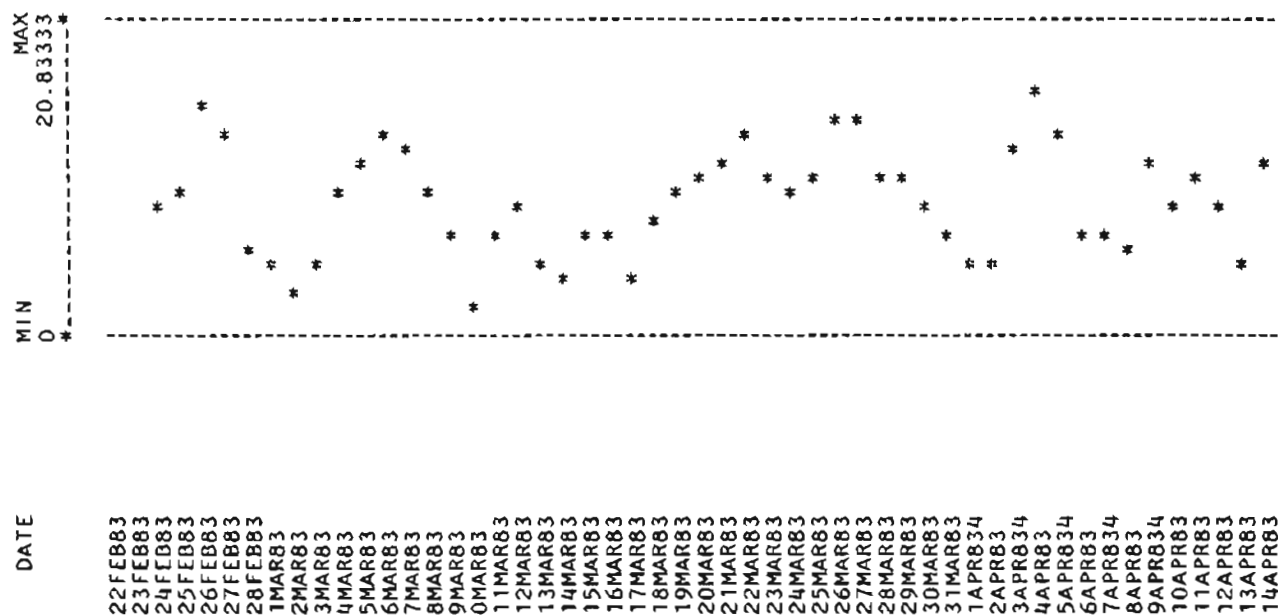
DATE	MIN	MAX
31DEC83	0	9.166667
18FEB93		

SAS  
CHART OF DAILY GUST SPEEDS (M.P.H.)

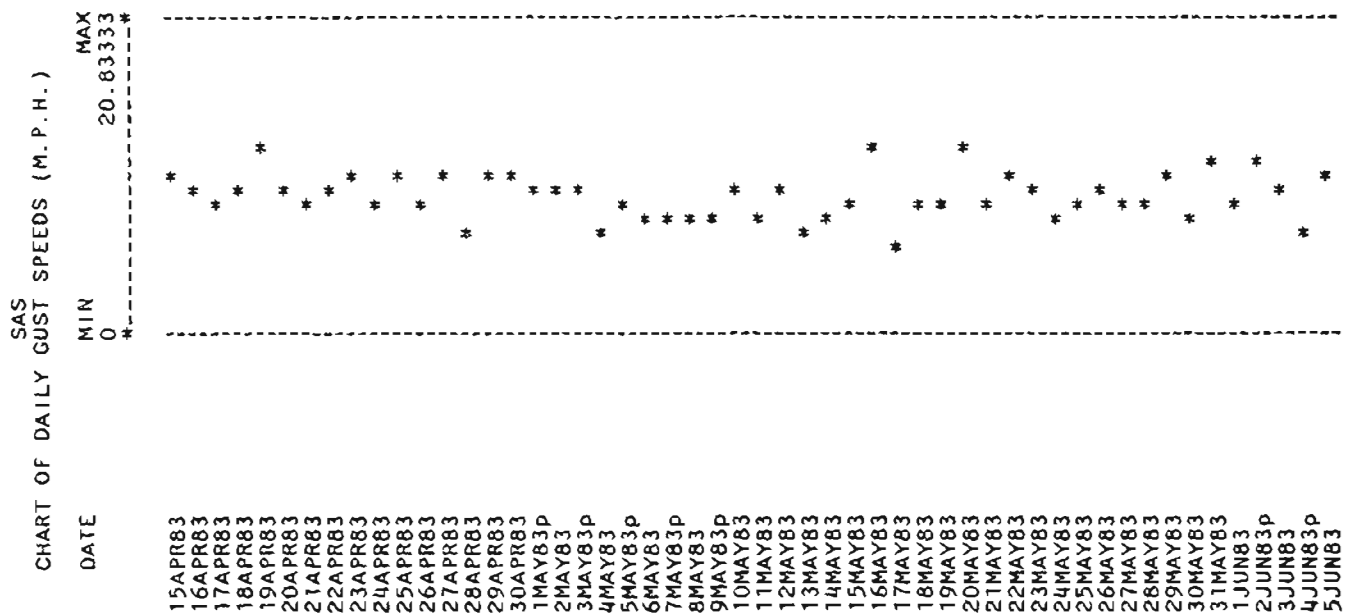
MIN MAX  
0 20.8333

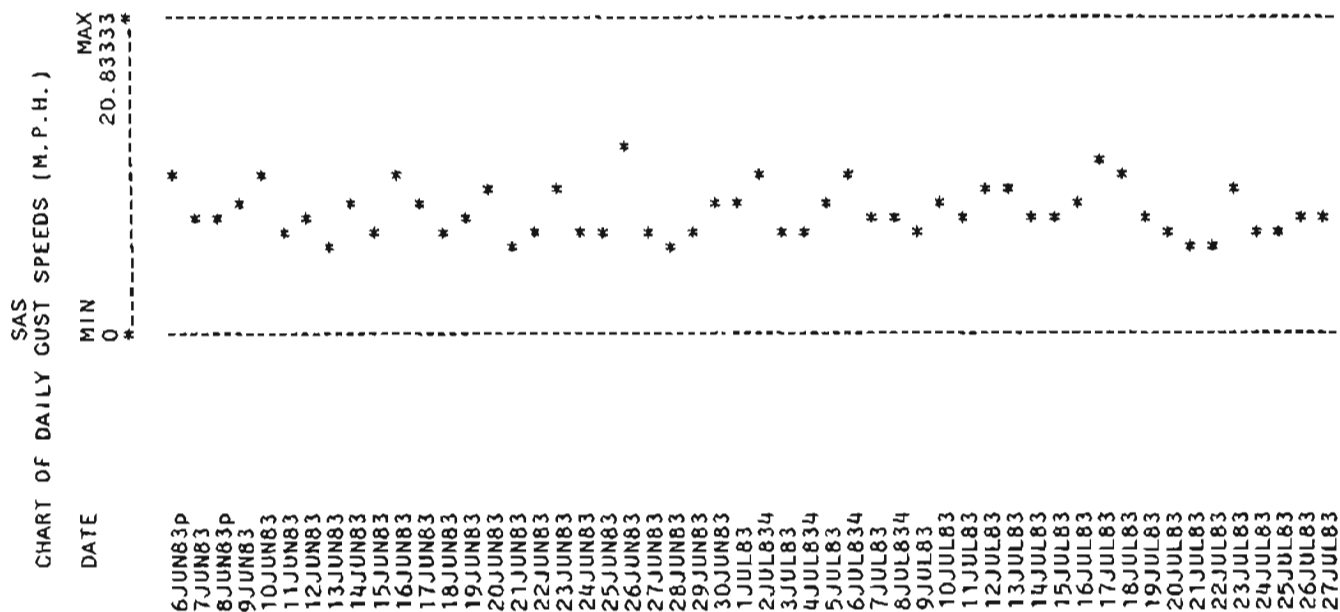


SAS  
CHART OF DAILY GUST SPEEDS (M.P.H.)

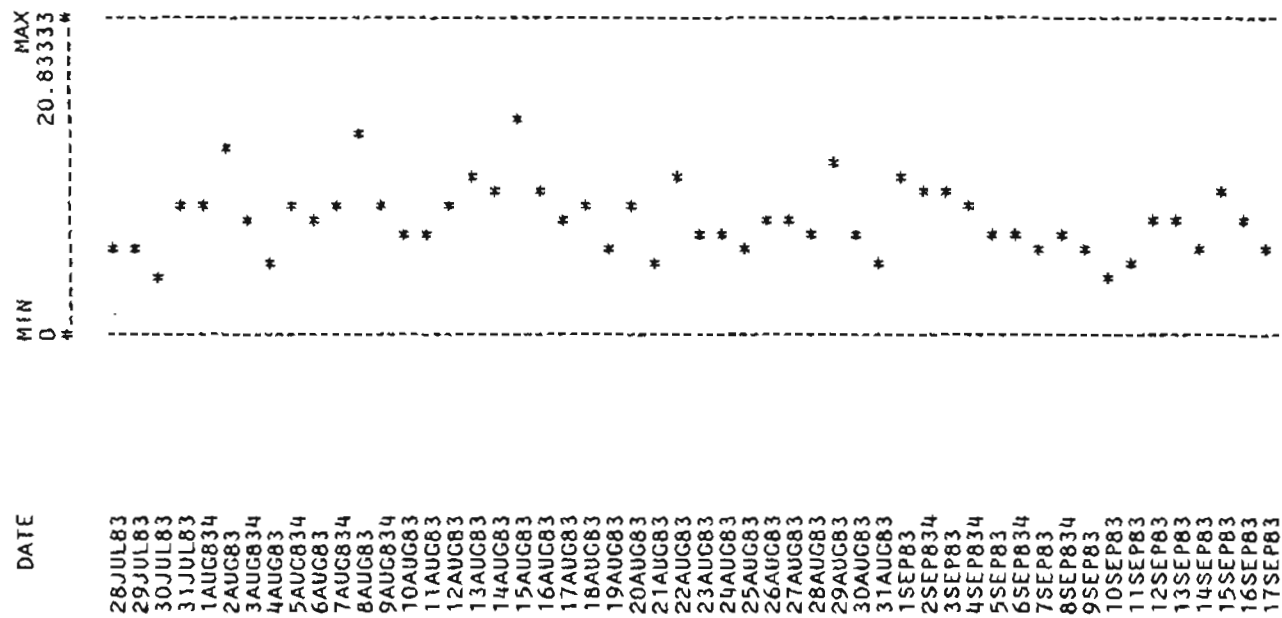


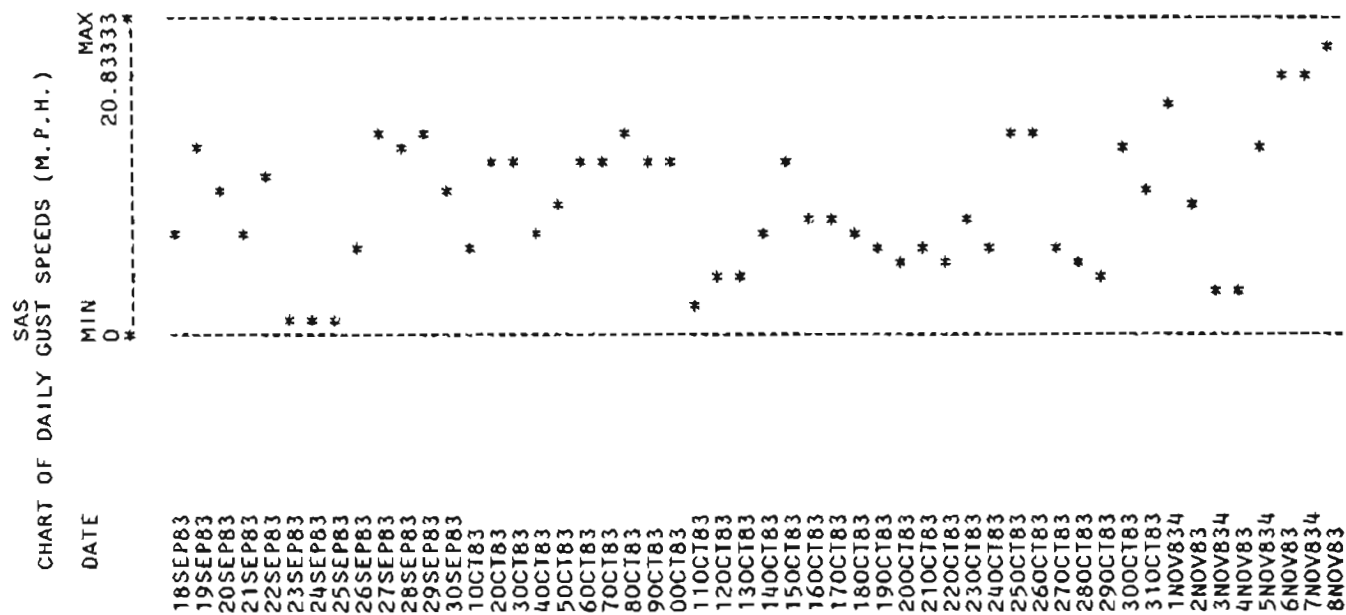




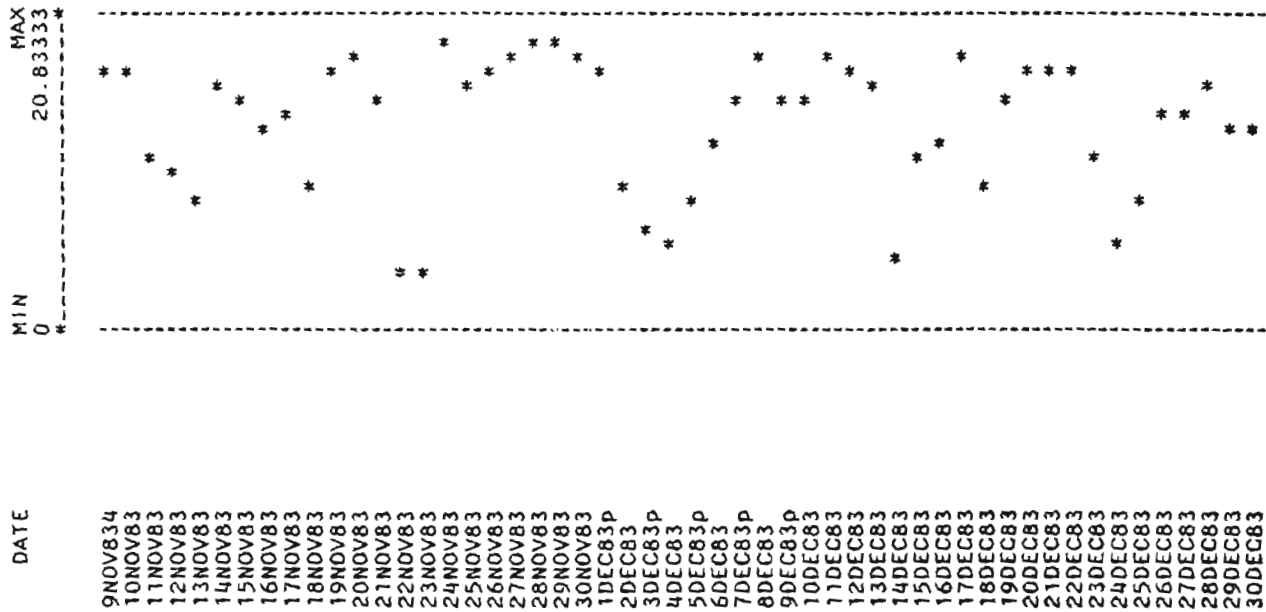


SAS  
CHART OF DAILY GUST SPEEDS (M.P.H.)





SAS  
CHART OF DAILY GUST SPEEDS (M.P.H.)



SAS  
CHART OF DAILY GUST SPEEDS (M. P. H.)

DATE                      MIN                      MAX  
                                 0                      20.8333

31DEC83  
18FEB93

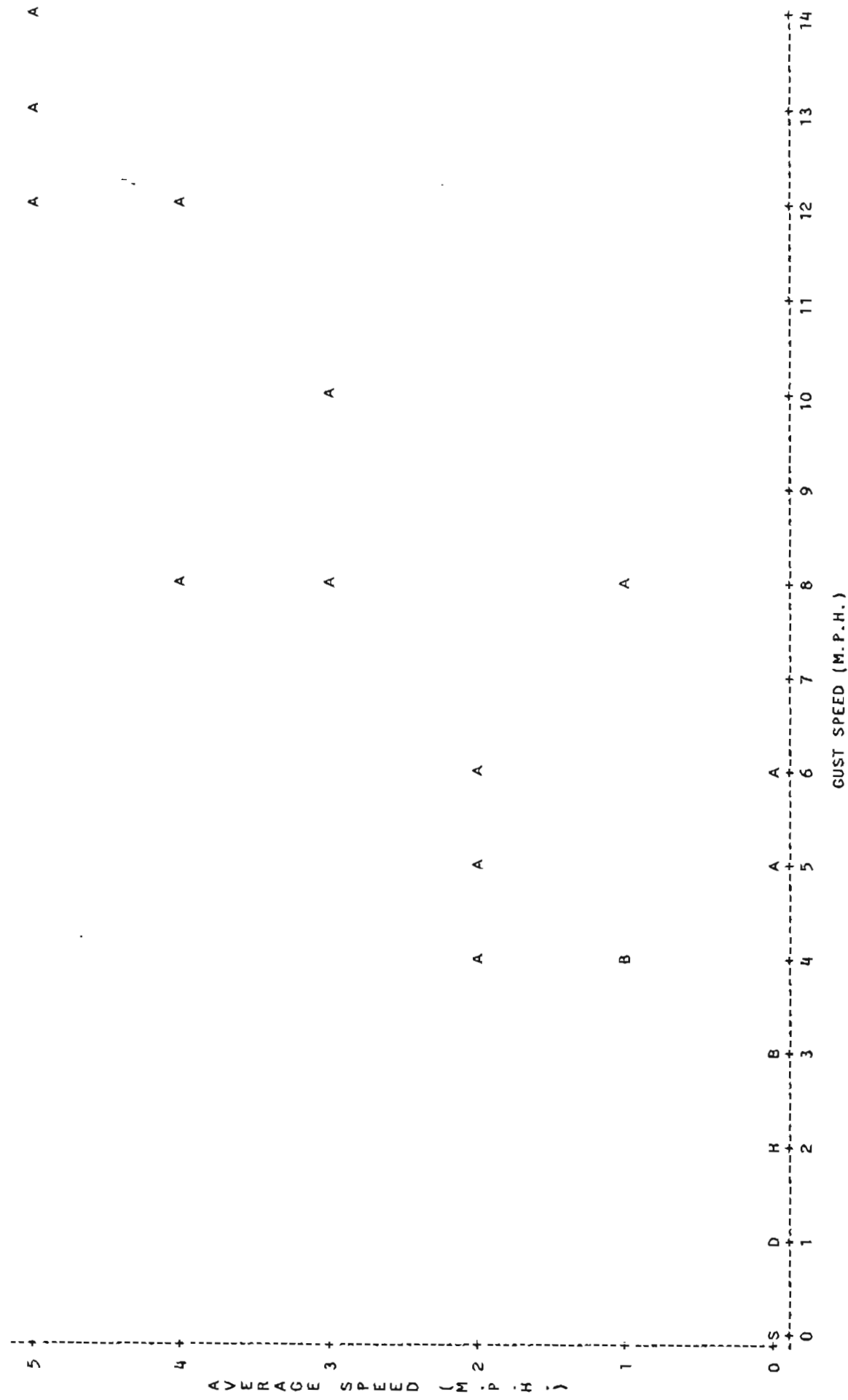
!                      \*                      ]

AVERAGE SPEED VERSUS GUST SPEED-BY MONTH

SAS

YR=83 MO=1

PLOT OF AVSP\*GUSP LEGEND: A = 1 OBS, B = 2 OBS, ETC.

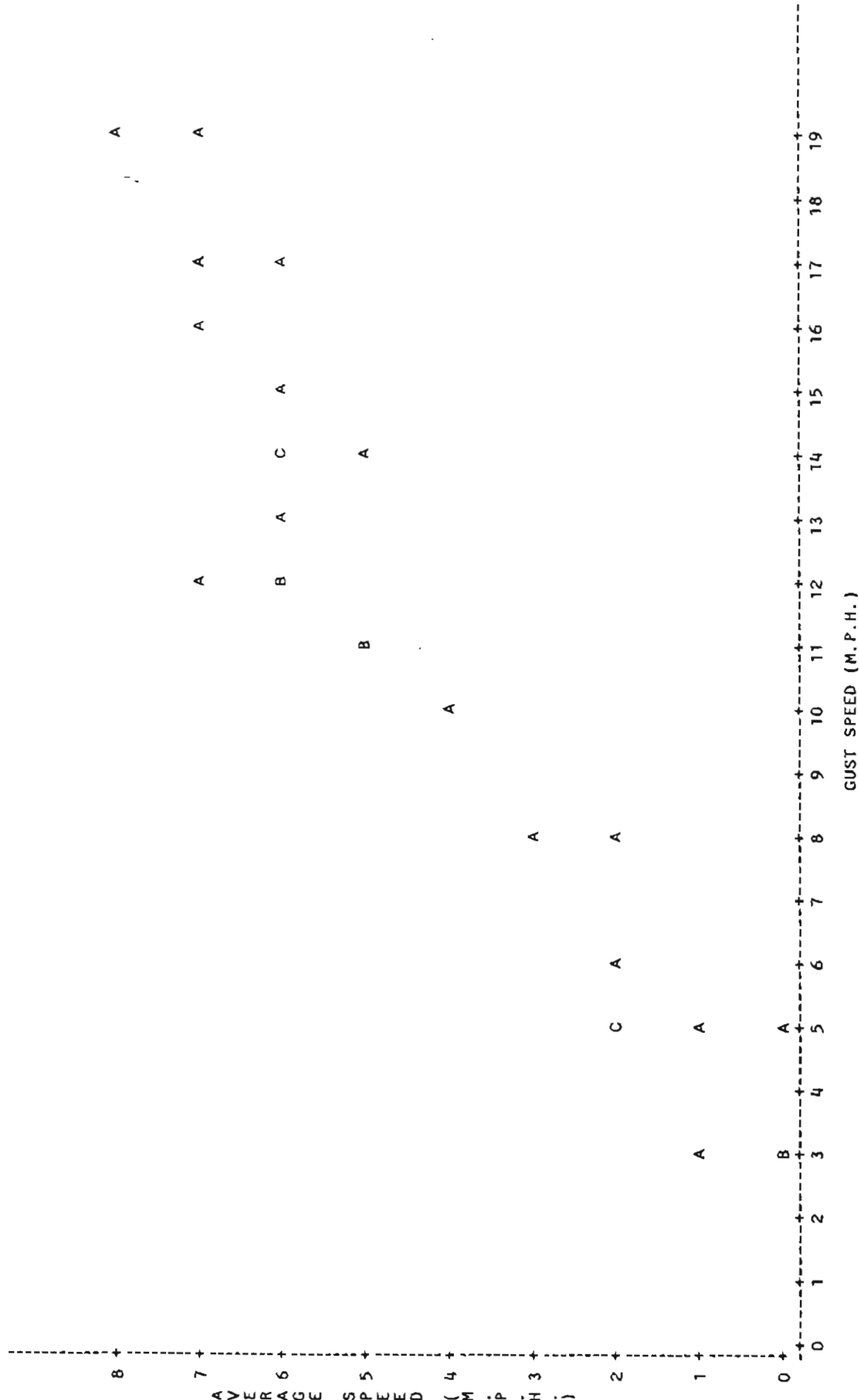


NOTE: 144 OBS HAD MISSING VALUES

SAS  
AVERAGE SPEED VERSUS GUST SPEED-BY MONTH

YR=83 MO=2

PLOT OF AVSP\*GUSP LEGEND: A = 1 OBS, B = 2 OBS, ETC.



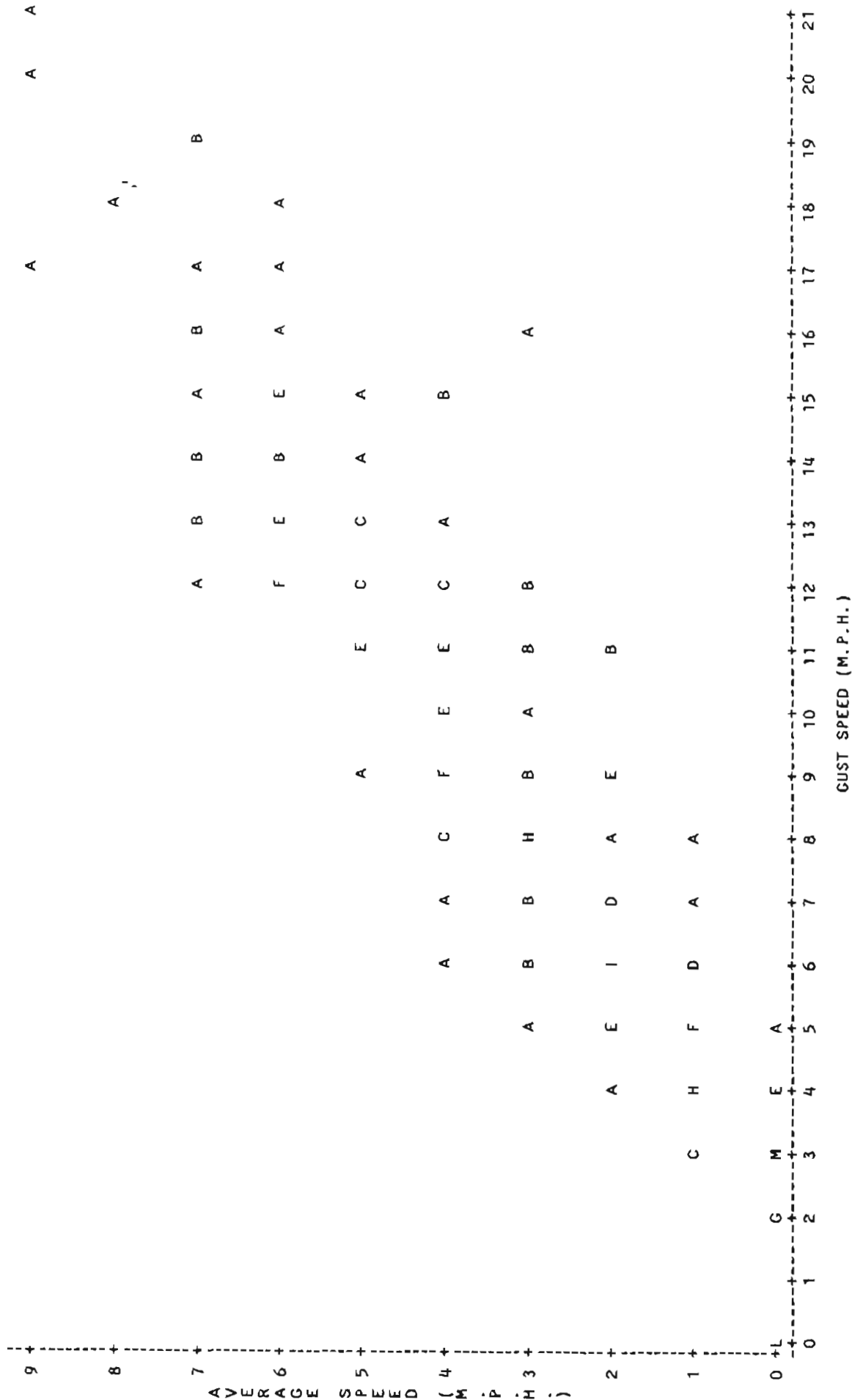


AVERAGE SPEED VERSUS GUST SPEED-BY MONTH

SAS

YR=83 MO=3

PLOT OF AVSP\*GUSP LEGEND: A = 1 OBS, B = 2 OBS, ETC.

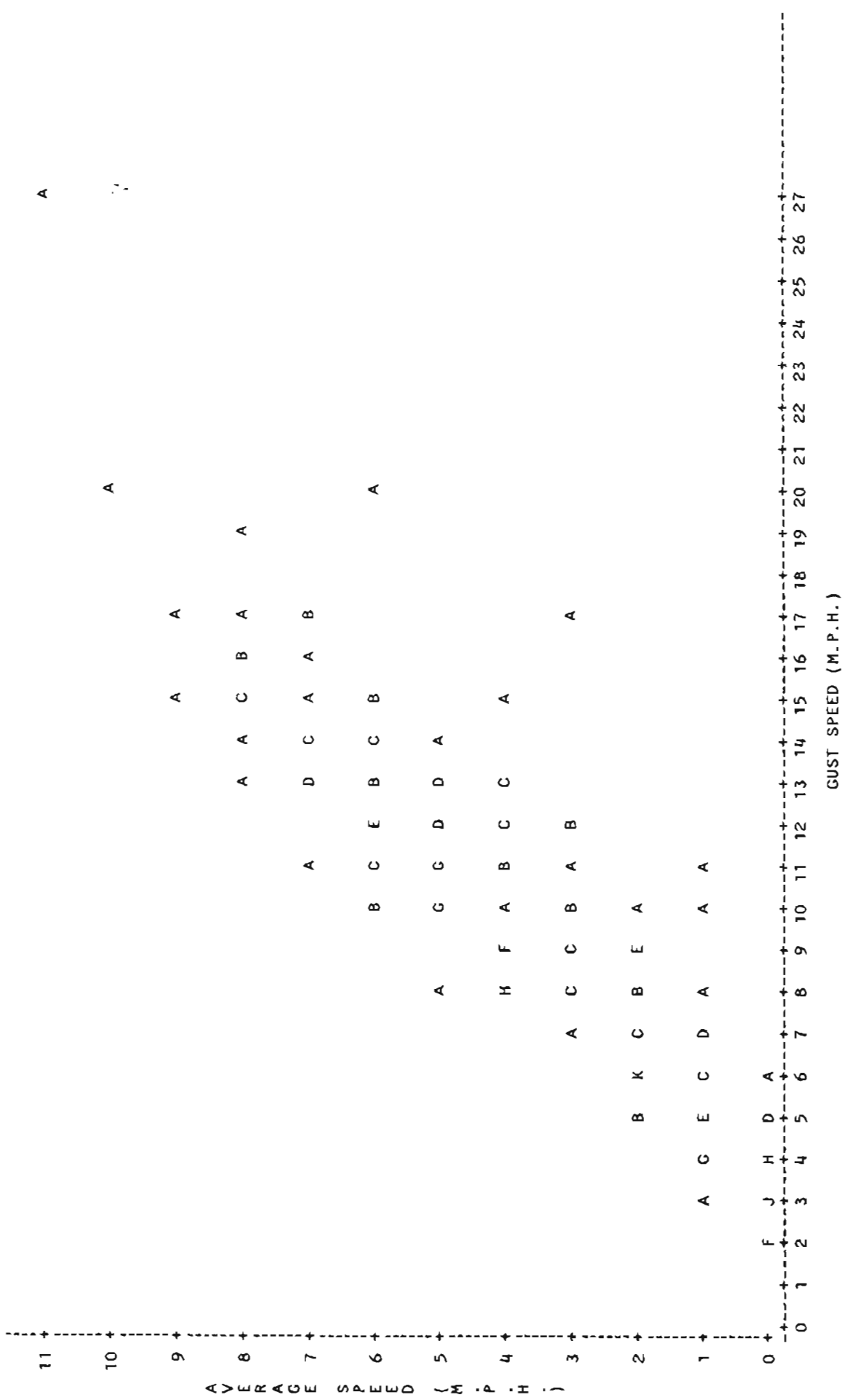


AVERAGE SPEED VERSUS GUST SPEED-BY MONTH

SAS

YR=83 MO=4

PLOT OF AVSP\*GUSP      LEGEND: A = 1 OBS, B = 2 OBS, ETC.

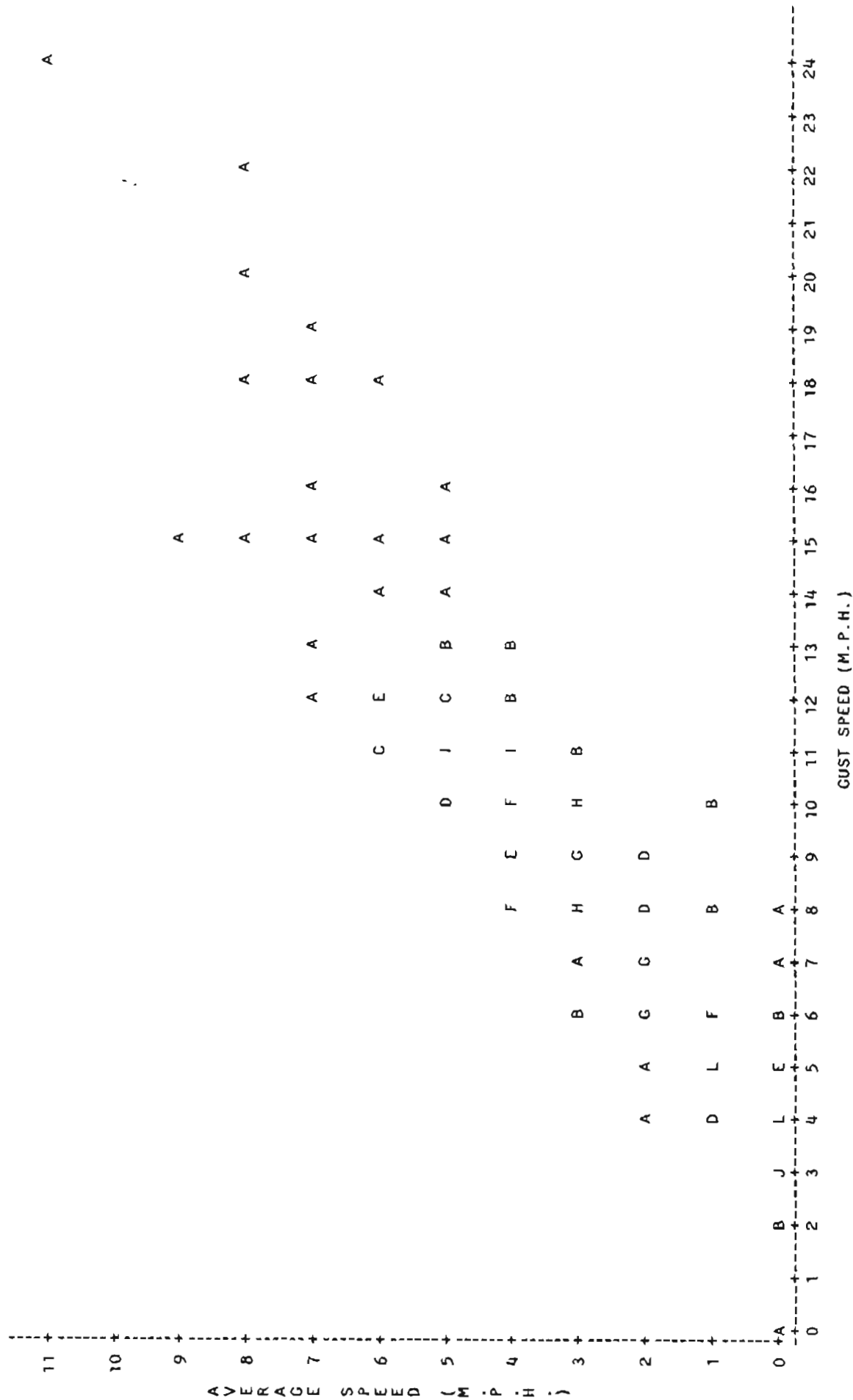


AVERAGE SPEED VERSUS GUST SPEED-BY MONTH

SAS

YR=83 MD=5

PLOT OF AVSP\*GUSP      LEGEND: A = 1 OBS, B = 2 OBS, ETC.

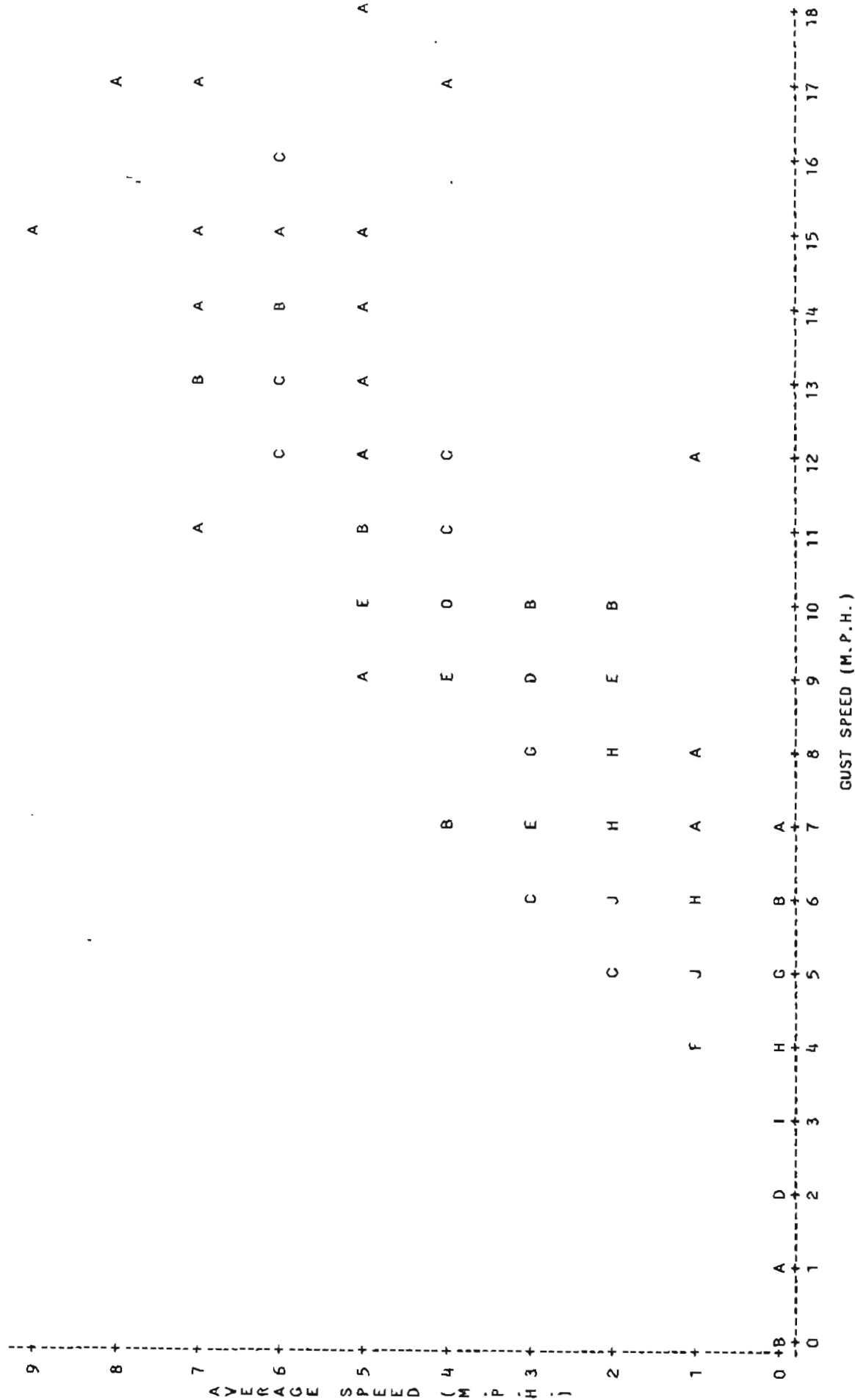


AVERAGE SPEED VERSUS GUST SPEED-BY MONTH

SAS

YR=83 MO=6

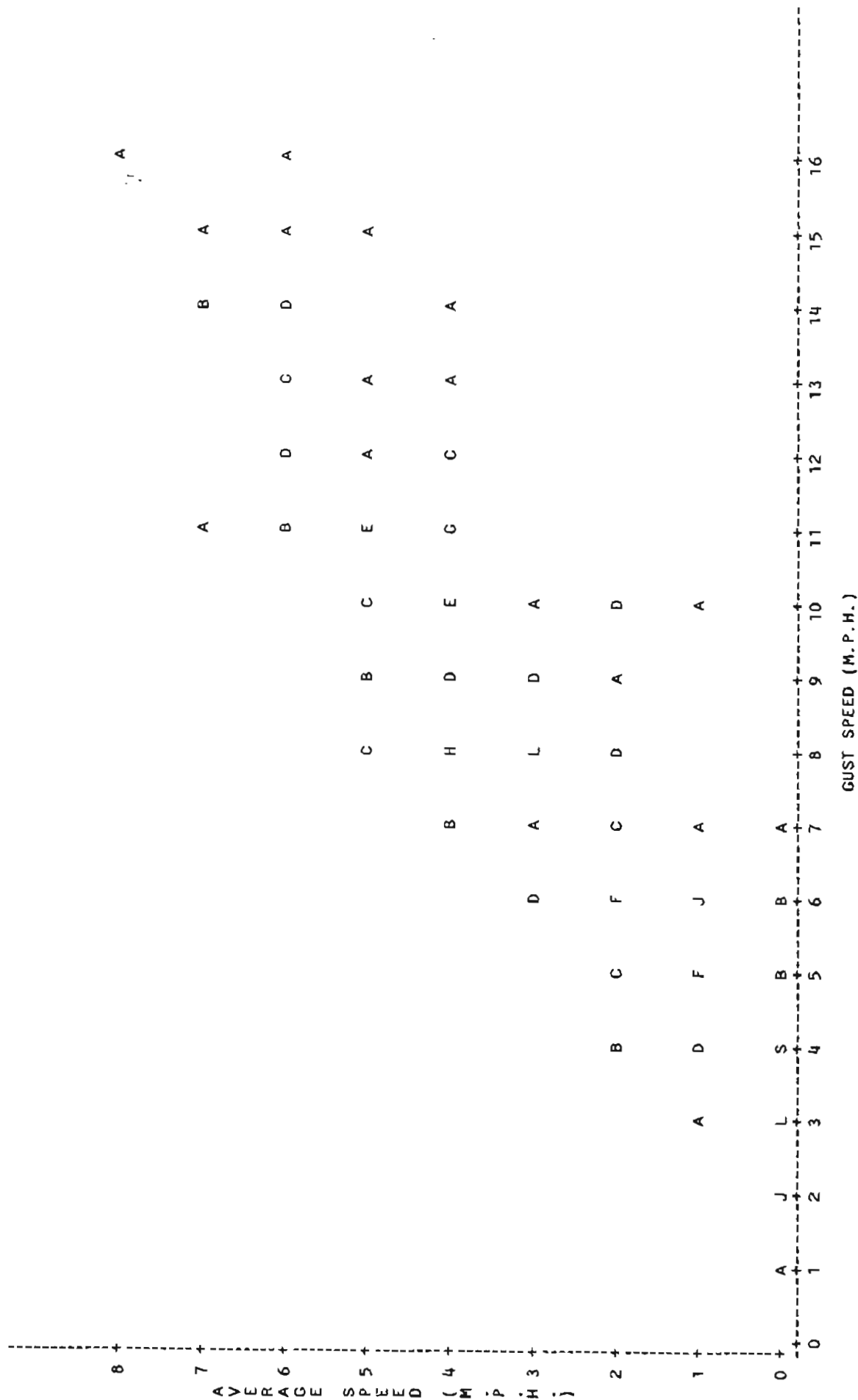
PLOT OF AVSP\*GUSP LEGEND: A = 1 OBS, B = 2 OBS, ETC.



AVERAGE SPEED VERSUS GUST SPEED-BY MONTH

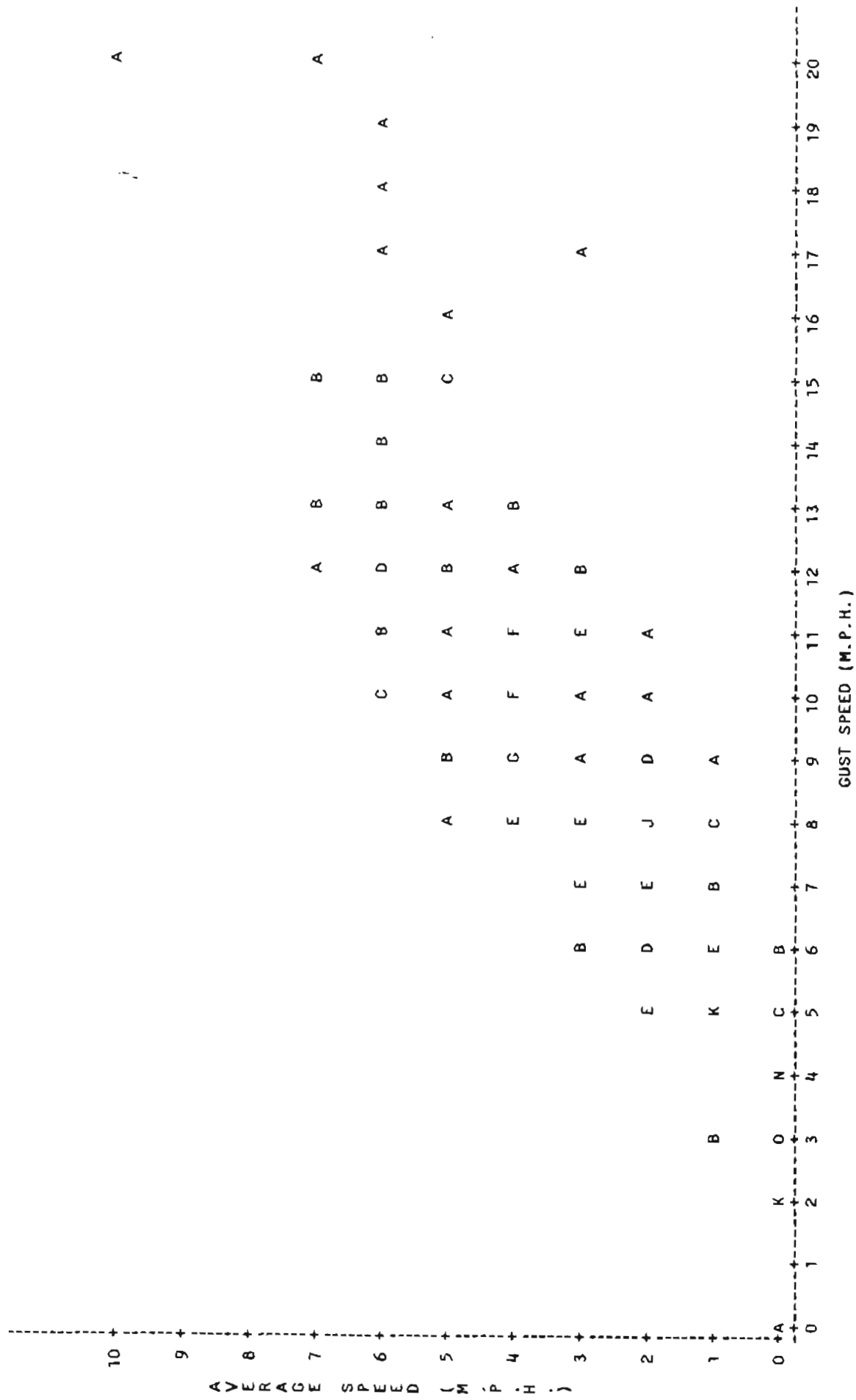
YR=83 MO=7

PLOT OF AVSP\*GUSP LEGEND: A = 1 OBS, B = 2 OBS, ETC.



SAS  
AVERAGE SPEED VERSUS GUST SPEED-BY MONTH  
PLOT OF AVSP\*GUSP      LEGEND: A = 1 OBS, B = 2 OBS, ETC.

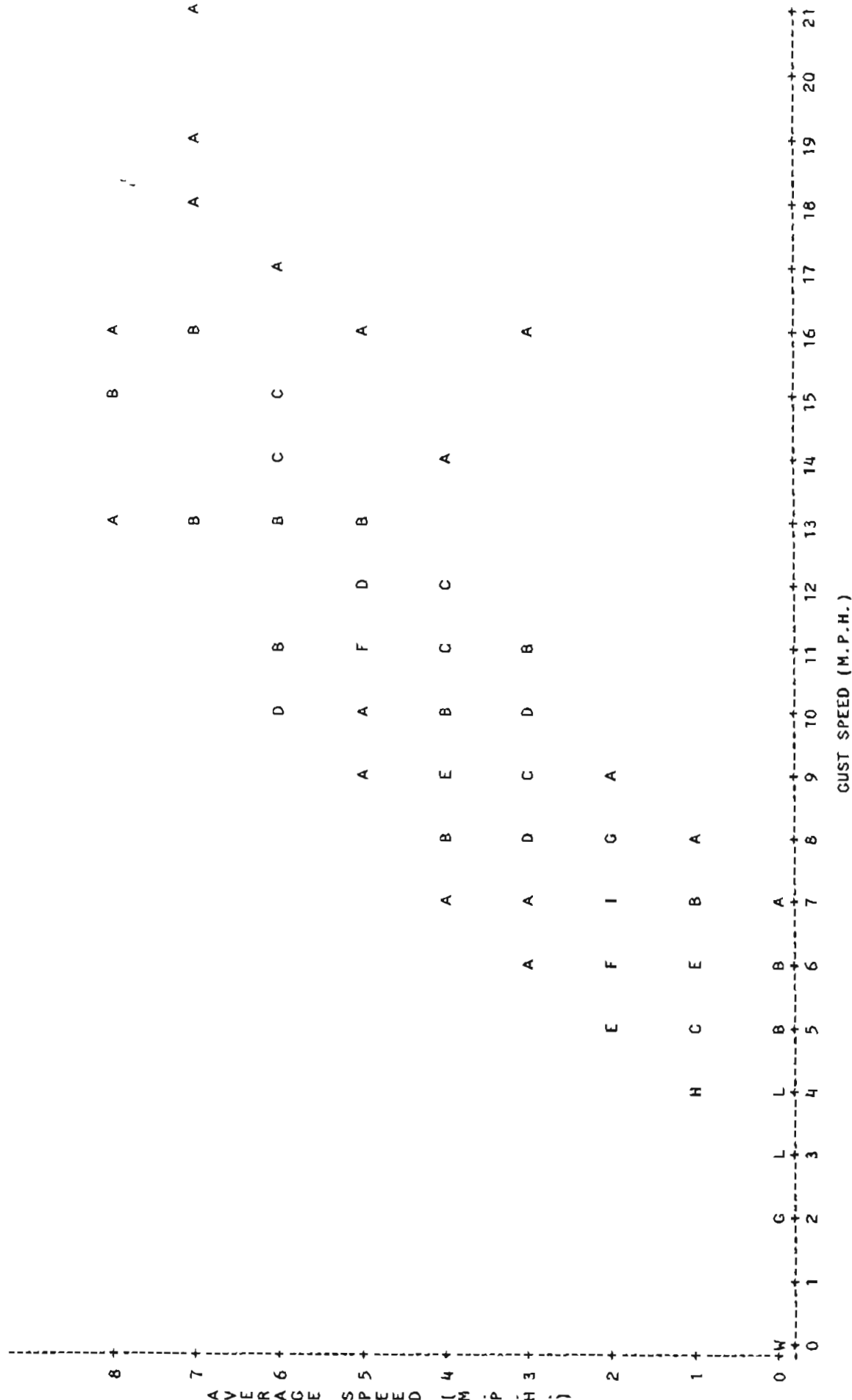
YR=83    MO=8



SAS  
AVERAGE SPEED VERSUS GUST SPEED-BY MONTH

YR=83 MO=9

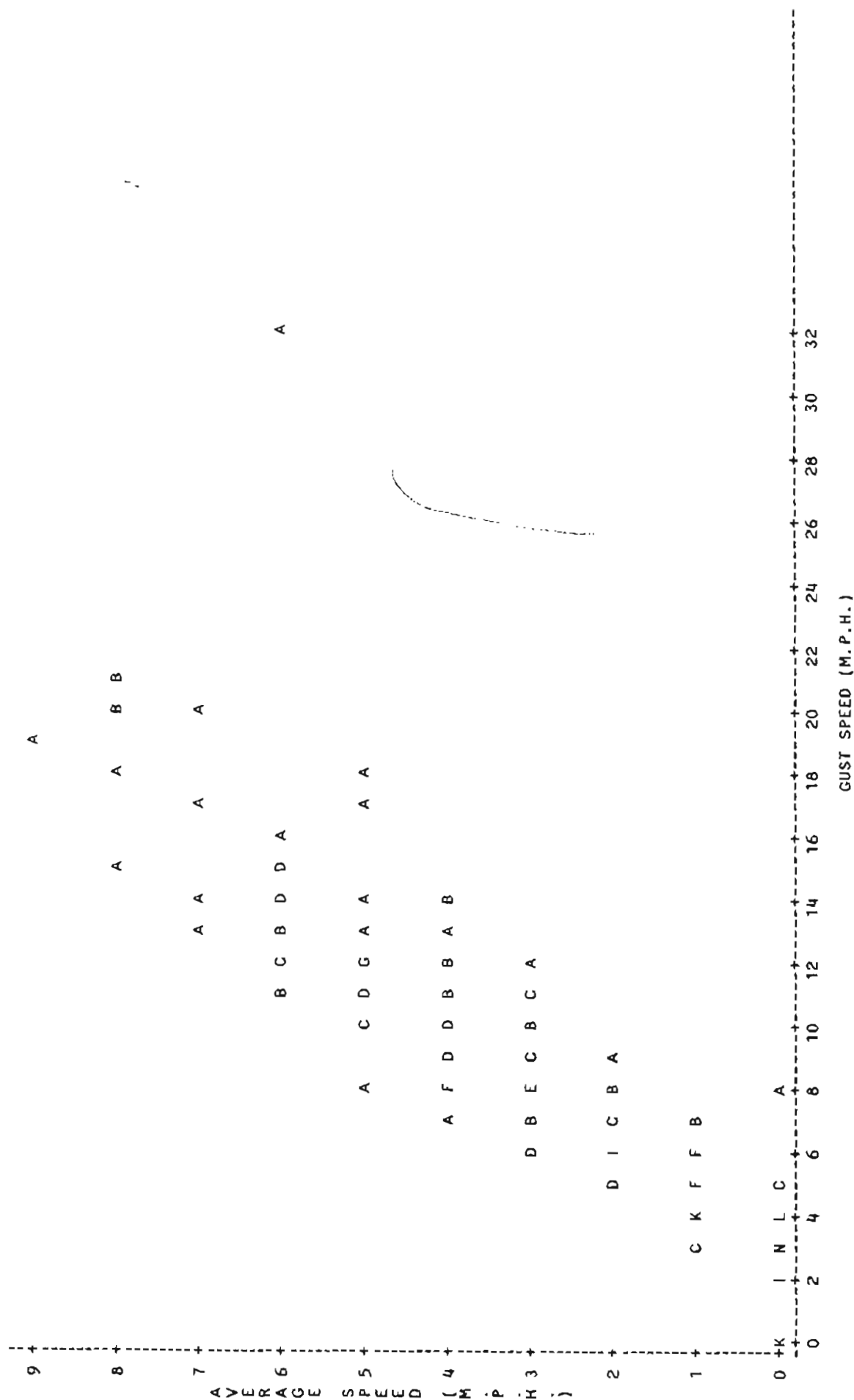
PLOT OF AVSP\*GUSP      LEGEND: A = 1 OBS, B = 2 OBS, ETC.



AVERAGE SPEED VERSUS GUST SPEED-BY MONTH

YR=83 MO=10

PLOT OF AVSP\*GUSP LEGEND: A = 1 OBS, B = 2 OBS, ETC.

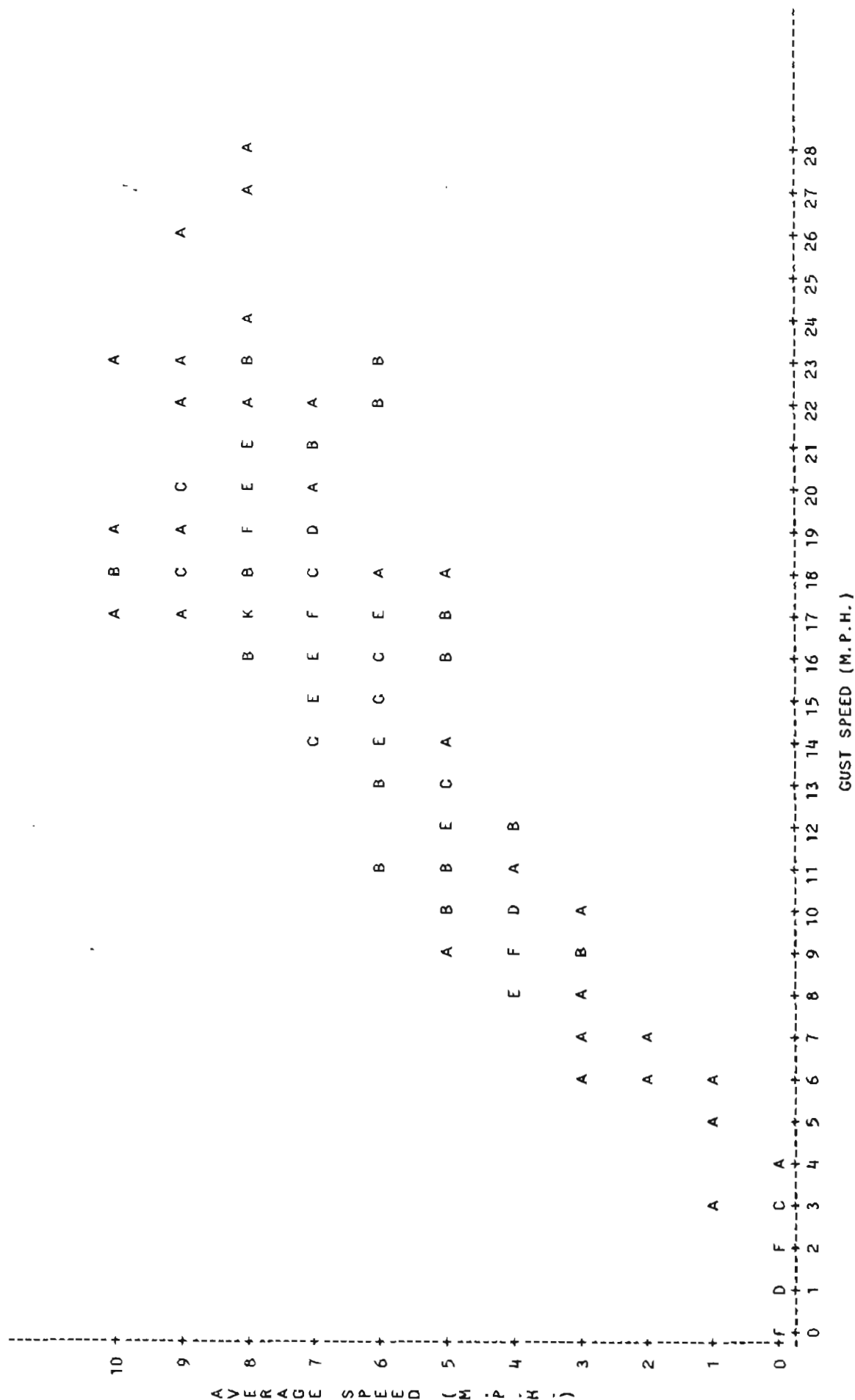




AVERAGE SPEED VERSUS GUST SPEED-BY MONTH

YR=83 MD=11

PLOT OF AVSP\*GUSP LEGEND: A = 1 OBS, B = 2 OBS, ETC.



AVERAGE SPEED VERSUS GUST SPEED-BY MONTH

YR=83 MD=12

PLOT OF AVSP\*CUSP LEGEND: A = 1 OBS, B = 2 OBS, ETC.

