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Technical Paper No. 10-75

**A 26-YEAR TIME SERIES OF
MONTHLY MEAN WINDS OVER THE OCEANS
PART 2**

**MONTHLY ANOMALIES AT SELECTED
POINTS IN THE NORTH PACIFIC**

by

S. E. LARSON

APRIL 1975

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interannual persistence of surface wind anomalies and the association of sea surface temperature and surface wind anomalies are presented.

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I. PURPOSE OF THE REPORT

This report presents data concerning the synoptic wind over medium and long time scales. EPRF is currently engaged in sea-air interaction studies aimed at the development of medium and long range weather forecasting methods which utilize energy feedback from the sea to the atmosphere.

According to the National Academy of Science, the highest priority objective of the national research program in atmospheric sciences is extending "the capability for useful prediction of the weather and atmospheric processes." A suggested means by which this objective may be met is through "increased efforts ... directed towards understanding the dynamics of climate" (COAS, 1971).

The Navy has a unique requirement for accurate long-term forecasts over oceanic areas in support of surface and air naval operations, and also for the prediction of conditions beneath the sea surface in support of submarine operations. Currently, however, accurate forecasts of atmospheric conditions for more than a few days are not possible. In addition, sea-air interaction processes are neither understood nor monitored sufficiently well to permit accurate forecasts of the response of the ocean to changing atmospheric conditions. Even more difficult is the forecasting of the response of the atmosphere to changes in the oceans.

As part of the EPRF sea-air interaction research program, it became necessary to describe as accurately as possible (with limited resources) the synoptic wind conditions over the oceans of the Northern Hemisphere. Of special interest were the month-to-month changes in the surface wind field, over a period of many years, on a scale permitting the investigation of oceanic parameters (usually large scale and small in magnitude) which were associated with them. Some

preliminary wind data for selected points in the Pacific are presented here in order to make them available to others working on similar problems. Work is continuing at EPRF on the description, persistence and cause of these anomalies, and on their relation to features in the sea.

2. METHOD OF COMPUTING THE SURFACE WIND FIELD

The wind data described in this report were calculated using a quasi-geostrophic model which contained parameterization of the effects of friction. A surface wind field was computed from a single synoptic pressure analysis on a polar stereographic grid (FNWC, 1974). These wind fields were then averaged over individual months. This approach was used in order to determine the monthly mean wind speed instead of the monthly resultant wind speed as would be the case using mean pressure fields. The components of the mean wind vector are, of course, identical to the resultant wind vector components. The computer model used to compute the wind data is described in detail elsewhere (Larson, 1975), but a brief description is given here.

The standard geostrophic equation is used to find the geostrophic wind vector, \hat{V}_g :

$$\hat{V}_g = \hat{k} \times \frac{1}{\rho f} \hat{V}_H P$$

where

k = wind vector in the vertical

ρ = air density = 1.22 gm cm^{-3}

f = Coriolis parameter

P = surface pressure

\hat{V}_H = horizontal gradient operator

$$= \frac{\partial(\)}{\partial x} \hat{i} + \frac{\partial(\)}{\partial y} \hat{j}$$

The geostrophic wind vector is reduced in magnitude by a factor β , a function of latitude, in order to find the surface wind speed V_s ,

$$V_s = \beta(\theta) V_g$$

$$\begin{aligned}
V_s &= \text{surface wind speed} \\
V_g &= \text{geostrophic wind speed} \\
\beta(\theta) &= 0.6045 + .186 (\theta/25^\circ) & \theta \leq 25^\circ \\
& 0.7905 & 25^\circ < \theta < 45 \\
& 0.6975 + .093 \frac{(90^\circ - \theta)}{45^\circ} & 45^\circ \leq \theta \\
\theta &= \text{latitude}
\end{aligned}$$

The surface wind vector is rotated to the left of the geostrophic wind vector through an angle of α :

$$\begin{aligned}
\alpha &= K_1 (K_2 - K_3 V_s^2) / (1 + \sin \theta) \\
K_1 &= 1.475 \\
K_2 &= 22.5 \\
K_3 &= 1.75 \times 10^{-2}
\end{aligned}$$

The resulting contraction and rotation of the geostrophic wind is intended to account for the effects of frictional drag at the sea surface. The formulations of α and β were suggested by empirical relations found by Roll (1965) and Carstensen (1967).

3. ACCURACY OF THE DATA

Wind vectors computed every twelve hours for the ten years from January 1960 through December 1969 have been compared to surface wind observations taken at Ocean Stations PAPA, NOVEMBER, and VICTOR in the Pacific and BRAVO, DELTA, and JULIET in the Atlantic. The details of this comparison are reported elsewhere (Larson, 1975), but the following results bear on the accuracy of the data presented in this report.

Over the ten years indicated, at the Pacific Ocean Stations, the computed zonal component averaged 101% of the observed zonal component. The computed meridional components averaged 122% of the observed value. It should be noted that the average meridional component is considerably less than the average zonal component. As a result, the actual magnitude of the meridional error (computed minus observed values) is less than that of the zonal error. The computed wind speed averaged 91% of that observed. The linear correlation between observed and computed zonal components averaged 0.795. For the computed and observed meridional components the correlation was 0.804 and for observed and computed speed it was 0.640.

Spectral analysis was carried out on low pass (≥ 48 hours) filtered data. The coherence between observed and computed zonal components averaged 0.914 for the period range of 28.5 to 32.2 days. The phase angle average 4.3 degrees for this period indicating the computed record lagged behind the observed by 8.5 hours. For the meridional component the coherence averaged .904 and the phase difference again averaged 4.3 degrees. The wind speed coherence averaged .747 and the phase difference was 3.9 degrees.

4. DESCRIPTION OF ANOMALY TABLES

Figure 1 indicates the locations of the twenty-two points for which anomalies were tabulated. On each of the sixty-six tables presented in the appendixes, the point number, latitude and longitude, and I and J coordinates of the point are shown in the upper left-hand corner. The latitude and longitude are given to the nearest hundredth of a degree. The I and J coordinates are those for the computational grid (the FNWC polar stereographic grid; origin at $I = 1$ and $J = 1$) described in FNWC (1974). On each table the months of the year progress from left to right. The 26-year average (or resultant) are listed on the first line. Below these, the standard deviations of the monthly means (resultants) are given. The individual monthly anomalies are tabulated below the standard deviations. The anomalies were found by subtracting the 26-year mean for the month in question from the individual monthly value.

The tables are arranged in meridional sections (see Figure 1), running from north to south. Because the data were not calculated on a Mercator projection, the grid points vary somewhat from the desired meridional sections of 150°E , 170°E , 170°W , 150°W and 130°W . (The same holds true, of course, for the latitudinal sections).

The wind speed anomalies are given in Tables A-1 through A-22. The zonal anomalies (negative values from the west) are shown in Tables B-1 through B-22. Tables C-1 through C-22 give the meridional anomalies (negative values from the south).

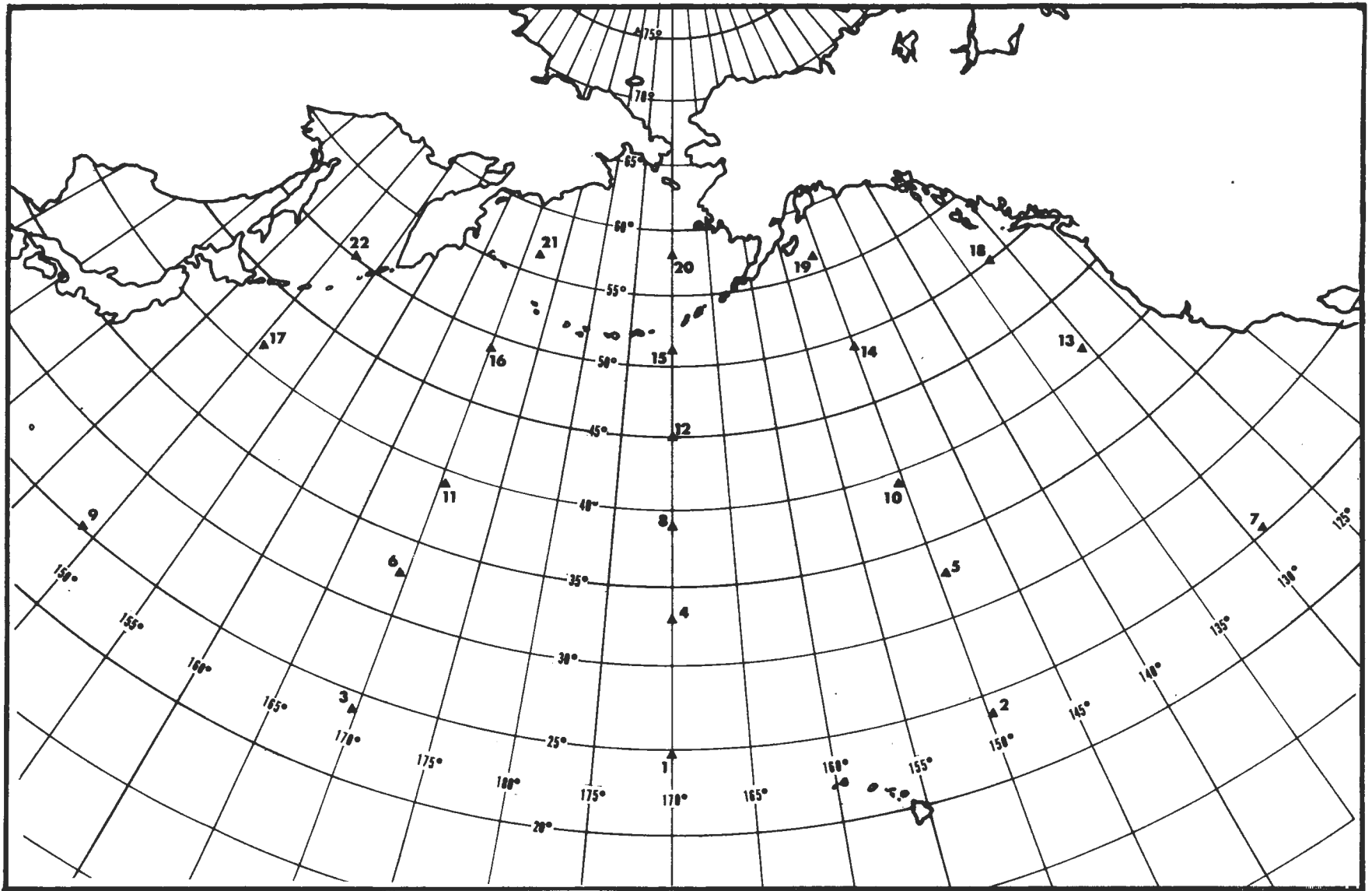


Figure 1. Locations of points for which anomalies were tabulated.

5. DISCUSSION

The monthly anomalies of all three parameters show a surprisingly frequent feature: the maintenance of an anomaly of the same sign for a given month in sequential years; although the anomaly is not continuous in time. For example, the zonal anomaly shown for Point No. 11 (Table B-6), although changing sign many times between 1949 and 1959, has a negative (westerly) value for each May in these eleven years. A similar case is that shown for Point No. 19 (Table B-15) where the zonal anomaly was positive (easterly) for each January between 1956 and 1966. The meridional anomalies shown for Point No. 12 (Table C-11); perhaps associated with the zonal anomaly at Point No. 11, have a negative (southerly) value for each of the thirteen months of May between 1954 and 1966. The wind speed anomalies shown for Point No. 4 (Table A-13) have negative values for each October between 1946 and 1955. Although it is far more common for the anomalies to change sign each year than it is to persist from year-to-year; the cases of very long persistence may be related to conditions in which the sea and the overlying atmosphere were strongly coupled.

A possible example of short-term coupling can be seen by comparing both the zonal and meridional anomalies at Point No. 8 (Tables B-12 and C-12) with the sea surface temperature anomaly at 40°N and 170°W shown in Figure 2 (from Namias, 1963). The disappearance of the persistent warm anomaly during the spring of 1962 was associated with strong easterly anomalies in April (5.3 m sec^{-1}) and in June (5.1 m sec^{-1}) of that year. There were also pronounced northerly anomalies in both months; 5.5 m sec^{-1} in April and 2.6 m sec^{-1} in June of 1962. The loss of sensible heat from the sea surface to the cold air coming from the northeast during April could at least

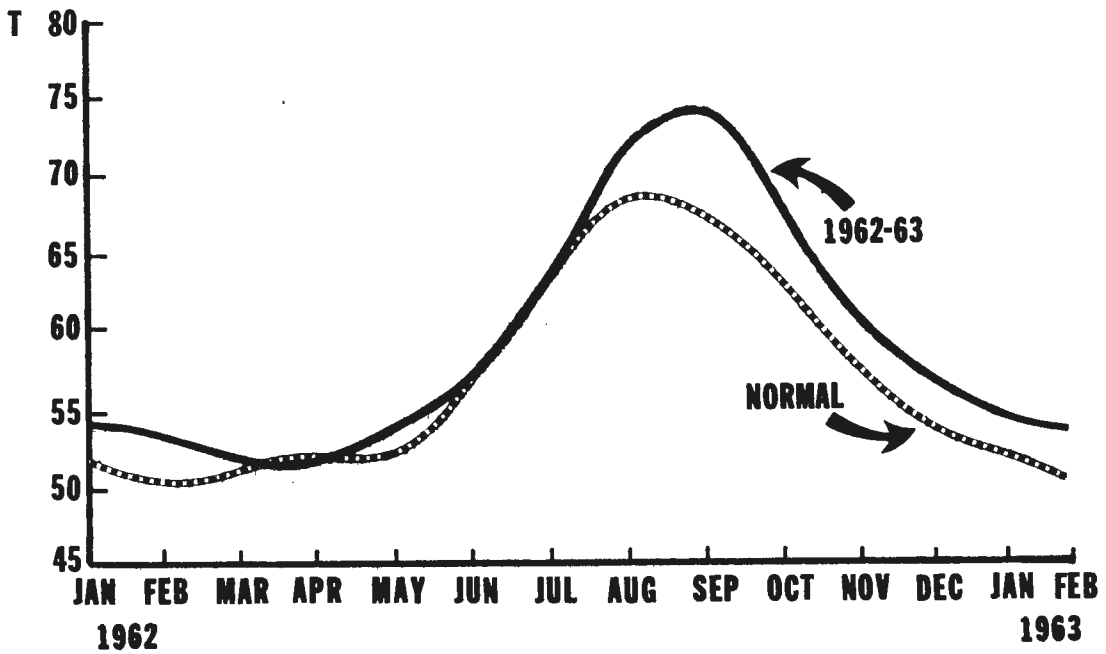


Figure 2. Observed and normal monthly mean temperature of the sea surface at 40°N, 170°W for the period January 1962 through February 1963. (from Namias, 1963)

partially account for the decrease in sea surface temperature that occurred in this month.

This brief discussion is intended only to illustrate possible applications of the data presented here. In general, previously reported wind time series have been given only for widely separated locations (such as weather ships) or averaged over latitude bands. The availability of surface wind over a long time span and on a relatively fine grid should permit a more detailed investigation of air-sea interaction.

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APPENDIX A
WIND SPEED ANOMALIES

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POINT NO, 22 (I,J)=(23,39)

LAT, 49.86N LONG. 152.13E

TABLE A-1

SURFACE WIND SPEED

	JAN	FEB	MAR	APRIL	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
AVERAGE =	11.2	10.4	10.2	9.5	7.8	5.8	5.6	5.6	7.6	9.2	10.1	10.6

STANDARD DEVIATION OF MONTHLY MEANS

	1.3	1.5	1.2	1.2	1.2	.9	.9	.8	1.2	1.1	1.0	.9
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MONTHLY ANOMALIES

1946	.4	-0.5	-0.5	.3	1.4	.7	.9	.4	.8	1.0	=0.3	.9
1947	-1.7	-0.2	1.8	.5	.8	-0.7	1.4	.5	=2.1	-0.9	=0.2	.2
1948	-1.4	-0.4	1.0	-1.6	1.0	-1.2	-1.0	-0.6	=0.2	.5	1.4	=0.1
1949	-1.4	3.3	.3	-0.8	.3	-1.5	.2	-0.6	-1.1	-1.4	.7	.1
1950	1.4	-2.0	-2.1	-0.7	.0	.4	.8	-1.5	-0.7	-1.1	.2	.3
1951	.3	-1.3	1.0	-1.8	-0.9	1.1	-1.0	-0.8	=0.3	.5	.6	=0.4
1952	.3	-1.0	-1.1	1.6	-0.6	-1.2	-0.3	=0.8	.4	1.5	.7	.8
1953	1.6	.1	-0.4	-0.7	-0.2	-0.3	-0.6	.4	2.3	.3	1.6	1.5
1954	-1.0	-1.3	-1.6	2.4	.9	-1.7	-2.4	-0.9	=0.1	-3.2	=0.1	.2
1955	-0.2	2.1	.8	-0.5	-2.1	.1	.4	-0.2	.0	-0.4	=1.9	-1.0
1956	-3.4	-0.5	-0.7	.3	.7	.1	-1.8	-1.0	=3.2	-1.0	=0.1	=0.5
1957	-2.1	-1.4	1.0	-1.7	-1.6	-0.7	.6	-0.3	-1.0	-0.1	.8	=1.3
1958	.8	-1.1	-0.5	-0.0	-1.2	-1.0	-0.2	-0.4	=0.9	-1.8	=0.4	-1.0
1959	-0.1	-1.1	-2.4	1.6	-0.8	-0.7	.1	.9	=1.5	=0.9	=1.0	=0.2
1960	.6	-2.7	1.0	1.0	-1.2	-1.1	-0.1	=0.5	.9	.3	-2.4	=0.0
1961	1.7	.0	-2.0	.8	.6	.4	1.1	-0.5	-0.3	.9	.2	.4
1962	.4	.3	1.2	1.2	.0	.5	.0	.9	=0.7	.6	1.3	=0.7
1963	.1	-0.6	-1.0	.4	1.4	.8	.4	-1.0	.3	-0.0	=0.3	-1.0
1964	-1.1	-0.5	-0.1	1.1	1.8	.6	.5	1.9	.6	.9	=2.2	-2.0
1965	-0.7	1.8	.2	-0.1	.1	.4	.9	1.7	1.1	.6	.4	-1.2
1966	1.0	1.5	.2	-1.5	.1	.2	.0	=0.4	.6	.9	.9	2.0
1967	.9	1.0	.1	.5	-0.2	.8	.9	.8	.7	1.1	1.5	.2
1968	2.7	-0.6	1.1	-1.0	-2.0	.9	.4	1.0	1.3	.8	=0.6	.6
1969	.3	2.7	1.7	1.2	2.7	1.8	.7	.2	1.7	1.5	=0.5	.9
1970	.1	2.2	.7	-2.4	.2	1.1	-1.1	.6	1.0	-0.5	=0.5	1.2
1971	.3	.1	.2	-0.2	-1.2	.3	-0.7	.0	.4	.1	.1	.1

POINT NO. 17 (I,J)=(21,41)

LAT. 41.03N LONG. 150.71E

TABLE A-2

SURFACE WIND SPEED

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
AVERAGE =	10.1	10.3	10.6	10.0	8.8	7.1	6.3	6.2	7.2	8.1	8.7	9.7

STANDARD DEVIATION OF MONTHLY MEANS

	1.1	1.5	.8	1.2	.8	1.0	.7	1.0	1.3	1.0	1.0	1.0
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MONTHLY ANOMALIES

1946	1.6	.6	.9	2.1	.6	-0.2	.1	-0.2	.0	=0.4	=0.4	.0
1947	-1.9	-0.4	.9	.4	.1	1.1	.7	.0	1.3	=0.6	1.6	.2
1948	1.4	-1.1	=1.4	-0.4	=1.6	-1.5	.1	-0.2	=1.0	-0.4	=0.1	=0.6
1949	-0.4	1.2	=1.2	3.4	.6	.5	.3	-0.1	.4	1.0	.4	2.2
1950	2.3	.2	.9	-1.5	-0.7	.4	=1.1	-1.9	.8	=0.8	1.9	2.2
1951	.2	1.4	.0	2.1	.1	.7	.7	-0.9	2.3	=0.3	.5	=0.5
1952	.8	-0.8	=0.0	-0.5	.7	.5	=0.2	.3	=1.6	.0	=0.9	=2.8
1953	.4	-0.3	.5	-0.5	-0.9	-0.4	.6	1.5	=0.7	=1.1	1.6	=1.5
1954	-1.2	-2.1	=0.8	.4	.8	2.6	=0.2	-1.0	=0.7	1.0	.6	1.2
1955	.1	4.2	.3	-1.4	-0.5	-0.8	=0.8	.8	=0.6	1.2	=1.2	=0.0
1956	-1.3	-0.2	-0.5	-1.1	.1	-0.4	-0.6	-0.2	-2.1	=1.8	=0.8	=0.7
1957	-0.6	-1.7	.9	-1.1	=0.1	-1.7	=1.3	-0.5	1.1	.3	=0.2	=0.8
1958	-0.3	1.3	=0.9	.6	=0.2	-1.4	.8	=0.0	=0.9	=0.9	=2.0	1.2
1959	-0.7	-1.0	.2	.4	.0	=0.5	.0	.3	=0.4	=0.2	=1.3	=0.7
1960	.5	-2.3	.3	.1	.7	=0.5	=1.0	3.1	=0.4	2.6	.9	1.1
1961	-0.2	2.8	=1.5	.4	2.4	-0.8	=0.6	-0.4	=1.5	.3	.3	=1.7
1962	1.2	-1.4	=0.3	-0.3	=0.8	.5	=0.9	1.0	=0.4	-1.9	=1.3	=0.2
1963	-0.9	.2	=0.2	-1.2	=0.1	=0.1	.5	-1.3	.3	1.4	=1.2	=0.2
1964	-0.8	.8	1.1	-1.7	=0.3	1.5	.2	1.4	1.3	.4	.4	=0.6
1965	-0.8	.3	1.9	.5	=0.6	-0.7	.3	-1.0	.8	.5	1.2	=0.8
1966	.8	.3	.2	=1.3	2.8	1.2	.5	=0.4	=1.6	=0.6	.0	.4
1967	.8	-1.9	.3	-0.4	=2.6	.7	.2	.1	.9	1.2	1.3	=0.8
1968	-0.6	.7	=0.2	-1.0	.4	-1.0	1.7	=0.1	2.9	=0.1	=0.3	=0.3
1969	-2.1	-0.3	=0.7	.9	.1	1.2	.1	.0	=1.0	.5	=0.3	.2
1970	.2	.7	.5	.3	-0.5	-0.3	.2	=0.4	=1.1	=1.3	=0.3	=0.2
1971	1.8	-0.8	-0.9	.6	.3	-0.7	=0.3	=0.2	2.2	.4	=0.3	.1

POINT NO. 9 (I,J)=(17,45)

LAT. 25.08N LONG. 149.09E

TABLE A-3

SURFACE WIND SPEED

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
AVERAGE =	5.6	5.8	5.8	5.8	4.9	4.5	5.2	5.7	5.7	6.3	6.1	5.9

STANDARD DEVIATION OF MONTHLY MEANS

	.9	1.0	.7	.8	.8	1.0	1.3	1.4	1.3	1.5	1.1	.9
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MONTHLY ANOMALIES

1946	1.3	1.4	1.8	-0.2	2.3	1.3	.6	1.3	.6	-0.1	2.8	-0.1
1947	.7	.5	.6	.5	.5	1.9	-0.7	-1.9	.4	3.5	.2	.6
1948	.3	.1	.7	.5	2.5	.2	-1.2	1.2	.9	1.4	.7	.8
1949	1.3	2.1	.9	.5	-0.7	1.7	.3	2.5	1.7	-1.4	.5	-0.1
1950	1.2	1.9	.5	.7	.5	.3	1.8	1.4	1.3	-1.4	.7	.3
1951	-0.4	1.1	-0.4	.3	-0.8	-1.7	-1.0	-1.3	1.3	-1.4	.7	.3
1952	-0.9	-0.9	.1	-0.2	-0.9	-0.5	.6	-1.3	-1.4	-0.0	0.3	-0.3
1953	2.1	-0.2	-0.7	.2	.3	-1.3	3.4	.4	1.5	-1.6	1.7	-0.6
1954	.1	-0.0	-0.3	-0.5	-0.6	.0	-1.0	1.7	1.4	-0.8	0.6	2.9
1955	-1.2	.4	.5	-0.6	-0.5	-1.5	.0	-0.0	1.2	-1.4	0.7	-0.5
1956	-1.1	.2	-0.6	-1.0	-0.9	.1	-0.8	-1.2	1.2	-0.2	1.0	0.0
1957	-0.6	-1.4	.4	-0.2	.9	-0.4	-1.6	-0.4	1.3	-1.4	1.0	0.0
1958	-0.5	.4	.1	-2.0	.3	1.3	-0.0	-1.9	1.3	-0.5	.3	-1.4
1959	-1.3	-1.0	-0.1	-0.4	.8	-1.3	-1.8	-1.1	1.7	.6	.2	.1
1960	-0.8	-0.3	-1.2	-0.2	-0.8	-1.3	-1.8	-1.1	0.7	1.6	1.3	-0.2
1961	-0.5	.6	-0.6	-0.3	.4	1.3	-0.5	3.6	.6	.5	.1	-1.7
1962	-0.9	-2.6	-1.8	.5	1.8	-0.2	-0.3	-0.3	.3	2.9	1.2	-1.3
1963	.2	-0.6	-0.5	1.4	.3	.3	.4	-0.4	1.7	3.8	.4	-0.2
1964	.3	-0.8	-0.6	1.2	.7	.3	.1	-1.8	1.6	.3	1.4	.7
1965	1.1	.1	-0.1	-0.2	.1	-0.8	-0.4	1.1	1.3	.4	0.6	.8
1966	.2	-0.0	.0	.0	.6	.4	.2	.4	.3	1.0	0.8	.4
1967	-0.0	.1	1.3	-0.2	.3	.4	3.3	.1	.8	.8	.6	.3
1968	.5	-0.1	.5	2.3	.4	.0	2.3	-0.5	2.2	1.1	2.5	.4
1969	-0.9	-0.0	-0.6	-0.1	-0.8	.6	-0.7	-0.8	.2	.4	.8	.6
1970	-0.8	-0.7	-0.3	-0.7	.4	-0.6	-1.1	-0.6	1.3	.4	.3	.8
1971	.6	-0.3	.2	-1.3	.5	-0.9	-1.2	1.5	.5	1.2	0.9	.3

POINT NO. 21 (I,J)=(23,35)

LAT. 56.18N LONG. 171.57E

TABLE A-4

SURFACE WIND SPEED

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
AVERAGE =	11.1	10.9	10.5	9.1	7.7	6.1	6.2	6.4	7.8	9.1	10.3	10.5

STANDARD DEVIATION OF MONTHLY MEANS

	1.1	1.4	1.4	1.0	1.2	.7	.9	.9	1.2	1.2	1.5	1.3
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MONTHLY ANOMALIES

1946	1.3	1.6	=0.8	.2	=1.9	.4	.2	=0.9	=0.3	=0.2	=0.4	1.2
1947	-0.8	-0.0	.4	.4	.7	1.2	1.1	=0.1	=1.4	=1.2	3.7	.3
1948	.1	-0.4	=1.1	-0.3	=2.6	-0.9	.2	=0.5	.5	=1.9	.3	1.4
1949	.3	-1.8	=0.2	-0.6	=0.2	-1.8	=0.1	.6	=1.6	=0.4	.3	1.4
1950	-0.8	-1.1	=0.5	-0.8	.1	.5	.5	=0.6	1.2	.1	1.5	1.5
1951	1.0	1.2	.5	.5	=0.1	-0.4	=0.4	=1.3	=1.7	1.4	=0.1	=0.6
1952	=0.0	1.1	1.7	.4	=0.1	.9	=1.2	.7	=0.4	.9	.4	=2.6
1953	2.2	-1.4	=1.7	.8	=0.6	1.1	-1.3	.6	.4	=1.9	2.6	=1.5
1954	-1.0	-1.6	1.0	-0.7	3.3	=0.2	.4	.4	2.3	=0.8	=1.2	1.9
1955	1.2	3.9	1.0	.2	=0.0	.2	=0.7	=0.6	.3	=0.5	=2.1	=1.3
1956	-1.5	.2	.8	=0.5	=0.1	.7	=0.9	=0.2	=0.7	1.2	=2.2	1.6
1957	=0.0	.5	1.3	.4	=0.4	=1.1	=2.0	=0.2	=1.8	.3	=1.5	.8
1958	=0.6	=0.6	=0.1	-0.8	2.0	-0.8	=0.1	=1.5	=0.5	=0.9	=0.7	.7
1959	=0.3	-2.2	=3.4	.0	=0.6	-0.8	=0.8	=1.4	=1.3	1.4	=0.5	=1.2
1960	.6	-0.3	1.1	-0.2	=0.8	-0.3	=0.9	=0.3	=0.3	2.9	=0.1	=1.0
1961	.3	-0.3	=3.3	.4	1.1	.7	.6	.1	=0.0	.7	.4	.9
1962	=0.9	-1.4	.4	.2	=1.0	.1	=0.9	2.0	.2	=0.1	=3.3	=1.1
1963	-1.0	-2.2	.6	-0.7	.8	.6	1.0	.2	=1.0	=1.1	=0.9	=0.7
1964	-1.7	.9	.1	1.6	1.4	.5	.9	1.5	2.4	1.1	=0.5	=1.1
1965	.0	3.2	=1.3	-1.9	2.3	-0.3	.4	1.2	=0.5	=0.1	1.8	.6
1966	=0.4	2.2	=1.0	1.2	1.1	.1	.1	=0.3	=0.6	=2.3	1.4	1.2
1967	.1	=0.0	2.3	=0.1	=1.3	-0.5	1.5	.5	1.7	1.6	.6	=0.2
1968	.0	=0.7	=0.3	-2.7	.6	.0	1.4	=0.5	=0.3	1.0	1.0	=0.1
1969	2.5	.6	.2	1.7	=0.2	-0.6	.3	1.2	.9	=1.7	=1.0	=2.8
1970	1.8	.3	.6	1.9	=2.2	.2	=0.1	.1	.2	.1	=0.2	1.8
1971	-2.2	=0.2	1.7	-0.6	=2.3	.7	.8	=0.8	2.1	.5	.7	=1.0

POINT NO, 16 (I,J)=(21,36)

LAT, 48.88N LONG, 170.02E

TABLE A-5

SURFACE WIND SPEED

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
AVERAGE =	12,1	11,6	12,0	11,5	10,0	7,8	7,3	7,7	9,2	11,4	12,1	12,2

STANDARD DEVIATION OF MONTHLY MEANS

	1,5	1,6	1,0	1,5	1,6	1,0	,9	1,0	1,4	1,0	1,5	1,3
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MONTHLY ANOMALIES

1946	1,1	,8	,6	1,0	-2,4	,1	=0,1	=0,7	,4	,1	=4,1	=0,1
1947	1,8	-1,4	=0,8	-1,8	,2	,7	,5	,6	=1,3	,8	1,6	-1,6
1948	2,1	-3,7	,1	-1,3	-1,0	=0,3	=0,3	=0,5	=0,2	,4	1,9	1,5
1949	1,6	=0,5	=0,5	-1,1	1,1	-1,2	=0,2	-1,0	,3	-0,5	,3	1,1
1950	-0,6	-0,8	-1,5	-0,6	,0	-1,1	1,3	-1,7	=0,5	,1	=1,0	,7
1951	-1,8	1,5	1,0	-0,3	=0,9	-1,2	=0,6	-1,8	=0,8	3,1	1,2	=0,9
1952	,5	,4	1,2	,1	1,4	,8	1,3	1,1	=0,7	1,5	3,1	,9
1953	,4	-1,6	,6	,7	=0,0	1,0	=0,4	,4	=0,6	-1,2	2,6	-1,0
1954	-2,4	=0,6	,6	1,1	4,6	1,5	=0,2	,8	1,7	=0,7	=1,4	,4
1955	2,3	2,8	=0,0	1,6	=0,6	,0	1,2	-0,6	,4	1,4	=1,5	,1
1956	-1,0	,2	=0,1	,3	1,6	,1	=1,9	1,0	1,3	=0,9	=1,6	-2,1
1957	-1,1	,5	=0,4	,6	=1,0	-1,1	-1,0	,9	1,3	,3	,7	1,9
1958	,4	-1,9	1,7	1,9	,5	=1,5	,7	-0,9	=1,1	,8	,3	1,8
1959	,1	,7	,6	,8	-1,4	,8	-1,2	=0,2	=0,7	,6	=1,5	=0,4
1960	,3	-1,2	,4	=0,6	,7	=0,3	,5	,1	=1,3	,9	=0,7	,3
1961	-0,4	,0	=2,0	1,0	2,0	,3	=0,5	,0	=0,7	=1,3	,0	,8
1962	-0,2	1,6	1,2	-3,2	=0,1	,0	=0,5	2,5	=2,6	=0,6	=0,8	-2,6
1963	-3,5	-1,4	=0,9	-0,4	2,0	=0,1	1,0	-0,6	=0,4	=0,9	=1,1	-1,2
1964	-1,9	=2,0	,2	1,9	-1,8	,4	1,6	1,9	3,8	,3	=0,2	=0,8
1965	-0,5	,5	=0,3	-3,4	1,7	=0,4	=0,8	,1	=1,1	=0,0	1,9	1,3
1966	-1,8	3,5	=1,1	,5	,2	=1,6	=0,6	=0,5	1,0	=1,0	=0,5	-1,3
1967	-0,3	1,2	,4	-0,3	-2,8	=0,3	1,8	,1	1,2	=0,7	,8	3,1
1968	2,0	1,0	=1,3	-1,3	=0,9	=1,3	,2	,6	1,1	,7	=0,3	=0,9
1969	1,8	2,0	2,0	2,8	=0,2	1,1	=0,3	-0,8	=1,0	=0,9	=0,3	-1,0
1970	,6	=0,1	=1,5	1,2	=1,6	1,3	=0,7	,1	=1,7	=1,9	,2	=0,1
1971	,5	=1,7	=0,3	-0,9	-2,3	2,3	=0,9	-0,9	2,2	=0,3	,3	,4

POINT NO. 11 (I,J)=(18,37)

LAT. 39.05N LONG. 170.35E

TABLE A-6

SURFACE WIND SPEED

	JAN	FEB	MAR	APRIL	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
AVERAGE =	11.4	11.6	11.5	9.9	8.7	7.7	6.7	6.6	7.3	8.6	10.0	11.3

STANDARD DEVIATION OF MONTHLY MEANS

	1.3	.9	1.2	1.3	.8	.8	.8	.8	1.0	1.1	.9	1.0
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MONTHLY ANOMALIES

1946	3.1	1.3	1.7	.1	1.6	-0.8	=1.5	=2.0	.7	-0.9	=0.3	.9
1947	.3	-0.2	-1.2	-0.5	.6	.6	=0.6	.4	1.9	-0.5	1.2	=1.7
1948	-0.5	-0.2	-0.7	-2.7	=0.9	-0.9	.2	=1.6	=1.2	=2.3	=0.6	=-1.1
1949	-0.2	.1	1.5	2.7	=0.9	.4	.1	.1	.8	.8	=0.1	1.3
1950	-1.3	-1.0	=0.0	-0.9	.3	=0.0	=0.3	-0.7	.1	-0.5	.3	=0.1
1951	.5	-0.7	-0.7	2.5	1.5	-0.6	=0.4	.5	.4	1.5	1.5	-0.9
1952	.4	.3	1.7	.3	1.1	.1	=0.6	.4	=0.8	.9	=0.5	.0
1953	-0.3	1.1	.4	1.4	-1.4	1.4	=0.4	.4	1.7	=0.1	2.0	1.3
1954	-1.1	.1	=1.1	-0.5	1.2	1.6	1.4	.4	=1.5	=0.8	1.3	=-1.0
1955	2.4	.4	-1.0	.8	=0.0	-0.6	=0.3	-1.1	=0.8	=0.4	=0.6	=-0.6
1956	-2.3	-1.0	.7	-0.8	-0.8	.2	=0.2	.7	=0.0	.1	=0.7	=-0.3
1957	-0.5	-1.4	.9	-1.2	.3	-0.4	=0.8	=0.7	1.8	.1	=0.0	=-2.0
1958	1.6	1.6	=1.0	.8	.1	.1	1.8	.4	.3	=0.7	=1.3	1.4
1959	.1	-1.5	1.9	-0.7	=0.6	-0.5	=0.4	1.7	=0.2	2.0	=0.5	=-0.9
1960	-1.1	-0.4	=1.0	-1.3	.3	.3	1.0	.8	=1.6	.0	.4	.3
1961	-1.9	.4	1.3	-1.5	.2	-1.0	-0.6	=0.8	=1.4	=1.1	.1	.7
1962	-2.0	-1.0	.1	.4	-0.5	-1.4	=0.8	.7	=1.0	=0.1	=1.9	.3
1963	.4	-0.9	1.6	-0.9	=0.1	-1.1	=0.7	.1	.3	1.7	=0.1	1.0
1964	1.5	1.2	=0.5	-0.4	=0.5	1.0	1.0	=0.1	=0.0	.3	.2	1.4
1965	-0.3	.3	.2	1.3	.4	.3	1.3	=0.6	=1.1	=1.0	=1.1	=-0.3
1966	.3	.9	-1.4	2.0	.8	-0.6	.1	=0.3	.3	2.6	.6	1.6
1967	.9	.6	=1.0	-0.2	=2.1	1.0	=0.6	.7	.7	.6	.3	.1
1968	1.3	-0.2	=2.4	-0.6	=0.3	-0.7	.4	.2	1.1	=1.9	.5	=-1.6
1969	-0.8	.2	=0.2	.4	=0.6	1.8	.0	.9	.5	=0.6	=1.0	.8
1970	-0.6	1.5	1.3	.6	=0.1	-0.5	-0.1	=0.5	=0.8	=0.7	=0.0	=-1.1
1971	=-0.1	=-1.8	=1.0	=-1.0	=0.6	.5	1.0	=0.0	=0.1	1.0	.1	.5

POINT NO. 6 (I,J)=(16,38)

LAT. 32,59N LONG. 169,44E

TABLE A-7

SURFACE WIND SPEED

	JAN	FEB	MAR	APRIL	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
AVERAGE =	9.5	10.2	8.8	7.1	6.3	6.2	5.3	5.0	5.4	6.4	7.8	9.0

STANDARD DEVIATION OF MONTHLY MEANS

	1.2	1.5	1.2	.8	1.1	.8	.8	.8	.9	.7	.9	1.4
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MONTHLY ANOMALIES

1946	-2.0	-0.1	.3	-1.8	3.4	-0.6	0.4	.7	1.4	1.5	.4	-0.4
1947	1.2	1.3	.6	-1.2	-0.2	.7	-1.2	-1.4	.8	.1	1.7	-1.2
1948	-1.7	-0.4	-0.1	-0.3	1.0	-0.9	0.1	-0.7	-0.5	-0.9	-0.9	-0.8
1949	-0.2	1.5	2.1	1.6	-0.2	2.1	.9	-0.7	-0.8	-0.4	.1	2.0
1950	-0.1	.3	-0.1	-0.6	.1	-0.1	-0.6	.9	-0.9	0.4	1.5	.1
1951	1.0	-0.4	-1.0	1.5	.7	-0.7	-0.0	.1	.4	1.3	1.3	-2.0
1952	-2.0	-0.0	1.2	.0	-2.5	.5	-0.5	-0.9	-1.0	-0.4	0.7	-1.5
1953	1.8	1.8	-0.9	.7	.4	-0.0	1.2	-0.7	.4	.1	0.0	-1.5
1954	.8	.5	-0.8	-0.5	.3	.7	1.8	1.2	-1.0	.7	.7	1.5
1955	-0.3	-1.0	-0.8	.2	.2	-0.2	-1.1	.4	-0.8	-0.7	-0.9	1.8
1956	-1.9	-1.4	-1.8	-0.5	-2.8	0.4	.7	-0.8	.6	.8	.1	2.2
1957	.1	-2.1	1.1	-0.3	.8	.1	0.8	-1.0	.4	0.1	0.4	-1.5
1958	1.5	1.4	-1.2	-1.0	-0.7	.1	0.7	.3	.7	0.3	0.2	-0.5
1959	.7	-2.5	1.1	-0.1	-0.6	-0.2	.2	.2	.2	.4	1.3	-1.6
1960	-0.2	-0.8	-2.1	.6	.0	-1.2	.0	-0.4	-0.7	-0.9	0.1	-0.8
1961	.5	2.1	1.6	-0.2	-8.7	-0.2	-0.9	-0.6	-0.1	.7	1.0	2.5
1962	.8	.4	-1.4	-0.4	.3	-1.0	-0.4	-0.0	-0.5	-0.1	1.0	-0.1
1963	1.3	1.6	-0.3	.3	-2.0	.1	0.1	-0.1	-1.0	-0.2	0.3	-0.0
1964	.2	.2	.0	-1.1	1.6	.3	.2	.7	-0.8	.3	.8	2.9
1965	.6	-1.4	2.0	1.1	-2.0	1.4	.4	-0.7	-0.7	.5	-1.0	-1.5
1966	.6	-1.6	.8	.3	-0.9	0.6	.0	1.0	-0.8	.6	1.2	-0.1
1967	-1.1	-2.1	-0.6	1.2	.9	0.1	.5	.5	1.6	0.4	1.5	-0.3
1968	2.1	3.3	-0.5	.7	2.7	.1	.6	-0.7	2.6	0.8	0.4	.4
1969	-2.0	-2.4	-0.3	-0.3	-0.3	-0.9	-1.3	.6	.9	.8	0.5	-0.4
1970	-0.3	1.0	2.0	.3	-0.7	-0.3	1.3	.9	.7	1.6	0.1	-1.7
1971	-1.6	.9	-0.9	-0.3	-0.6	1.2	.1	1.1	-0.2	-0.6	0.5	-0.3

POINT NO, 3 (I,J)=(13,39)

LAT, 24.04N LONG, 169.78E

TABLE A-8

SURFACE WIND SPEED

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
AVERAGE =	5,8	6,1	6,1	6,6	5,7	4,3	5,5	4,9	5,3	6,2	6,1	6,0

STANDARD DEVIATION OF MONTHLY MEANS

	1,0	1,0	1,2	1,1	,9	,9	,7	,8	,8	,8	,8	,8
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MONTHLY ANOMALIES

1946	,2	1,9	,2	1,5	,2	1,5	,3	,9	,3	,6	1,4	,2
1947	1,7	2,3	,5	,5	,2	-0,7	,1	-1,2	,4	=0,5	=1,5	=0,4
1948	,3	-0,2	,7	-0,4	=0,3	,6	=0,0	-0,5	,4	,2	,7	=0,2
1949	-0,2	-0,6	=0,3	-0,9	,7	-1,6	,8	,6	=0,4	-1,3	=0,6	=0,7
1950	1,3	-0,4	=1,7	-0,5	1,0	1,0	,6	,3	,4	=0,9	,2	,5
1951	-0,5	,9	1,4	-0,2	-0,4	,4	-1,2	=0,3	,4	=1,0	=0,0	=0,0
1952	2,0	-0,9	=0,4	,5	,4	-1,3	,5	-1,9	=0,8	=1,1	=0,0	=0,0
1953	1,2	-0,2	1,0	-1,3	=2,2	-0,1	,0	,4	=0,7	1,9	=0,8	=1,1
1954	,3	,0	,4	,1	=0,0	-0,9	=0,0	,5	,2	=0,9	=0,4	1,5
1955	-0,8	-1,4	3,7	,4	=0,2	-0,5	=1,2	-0,5	1,4	=0,9	=0,4	,2
1956	,2	,7	1,3	,5	1,3	-0,5	=0,2	-0,0	=1,5	,2	1,0	=1,0
1957	,2	,6	=0,7	=0,0	=1,0	-1,5	=1,2	,0	1,0	,6	,3	=1,0
1958	,0	-1,2	=1,0	-0,3	=0,4	,4	,9	,9	=1,2	,8	,3	=1,5
1959	-0,2	,0	=1,2	,7	=2,2	,1	-0,6	-0,5	=0,8	=0,5	=1,0	=1,4
1960	-1,7	,5	=1,6	-0,7	-2,5	,0	,4	=0,2	=0,4	=0,1	=0,1	=1,2
1961	-0,5	-0,5	-0,1	1,5	,9	1,7	-1,2	=0,9	=0,2	-1,0	=0,3	=0,6
1962	-1,4	-1,2	-0,3	-3,1	-0,8	-0,4	=0,0	-0,3	,5	1,0	,5	=1,1
1963	,6	-1,0	=1,1	,8	1,6	,2	=0,2	,3	,7	-0,5	=0,3	=0,0
1964	-0,6	-1,5	-0,5	2,9	,5	-0,1	,5	1,0	,2	,2	=0,6	,1
1965	-0,0	,5	-0,3	-0,6	2,2	,5	=0,5	-0,6	,1	1,7	1,3	,3
1966	-1,0	1,3	-0,8	-0,7	=0,2	,0	,7	1,2	=0,6	,6	,4	,3
1967	,0	,1	1,3	-0,7	,9	1,9	,9	1,3	2,2	,0	,5	=0,2
1968	1,6	,8	1,1	,6	=2,1	-0,3	1,5	,5	=0,3	,8	,1	,6
1969	-0,5	-0,3	=0,4	-0,2	=0,0	,7	-0,9	-0,6	=0,5	-1,0	1,3	1,1
1970	-1,8	=1,5	=1,6	-0,2	2,2	-0,2	,8	,4	=0,8	-0,6	=0,1	=0,8
1971	-0,5	,9	,1	-0,3	-1,8	-0,8	=0,6	-0,8	1,4	-0,0	=0,2	1,2

W. SPD.
170W

POINT NO, 20 (I,J)=(23,32)

LAT, 57,82N LONG, 170.00W

TABLE A-9

SURFACE WIND SPEED

	JAN	FEB	MAR	APRIL	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
AVERAGE =	10.4	10.5	9.5	9.2	7.8	6.4	6.1	7.3	8.4	9.8	10.1	10.1
STANDARD DEVIATION OF MONTHLY MEANS												
	1.2	1.3	1.3	1.0	1.1	1.0	1.0	.8	1.1	.9	1.2	1.2
MONTHLY ANOMALIES												
1946	1.8	2.1	.8	.7	2.6	2.2	.8	-0.2	=1.4	1.1	1.0	-1.0
1947	.4	1.8	-1.1	-0.0	.6	-0.5	2.1	=0.8	=0.5	=0.2	.9	.3
1948	.3	-2.3	.9	-1.4	-1.2	.8	.3	=0.8	.3	-1.6	.3	1.1
1949	.7	-1.2	1.8	-0.8	.4	-1.0	=0.2	.2	.5	.1	=0.6	1.9
1950	-1.2	-1.3	.0	-0.0	-1.3	-0.2	1.9	-0.5	1.6	-0.8	=2.1	.4
1951	-0.8	1.7	=0.5	.7	=0.0	-0.3	.2	-0.4	=0.5	.7	=1.8	1.2
1952	.8	=0.2	.8	-1.3	-0.1	1.6	.7	-0.5	=2.0	.4	=0.1	-2.9
1953	1.7	=0.7	-0.2	-0.4	-0.4	.2	-1.4	.3	.1	-2.1	=0.9	-0.9
1954	-2.0	-0.7	2.5	-1.5	.6	-0.2	.1	1.5	1.2	=0.1	=0.4	-0.3
1955	.4	-0.7	-0.5	.4	-0.8	-0.7	.4	.7	1.1	1.6	=0.7	-0.4
1956	-0.5	.5	=0.1	.9	=0.6	-0.3	=0.7	=0.0	.6	.3	=1.1	.1
1957	.2	-0.0	1.1	1.1	1.3	-1.6	=1.9	-1.0	.0	=1.9	=1.2	-0.8
1958	.2	-1.0	.6	.3	2.4	1.2	=0.0	-0.8	.9	=0.1	1.1	.2
1959	-1.5	-0.2	=4.3	-0.7	-0.6	-0.1	-0.9	=0.0	-1.4	.7	=0.3	.1
1960	1.9	1.8	=1.9	-1.7	-1.2	-1.3	-1.2	-0.8	.6	.2	=0.4	.4
1961	1.1	-0.6	-1.5	1.8	1.0	-0.4	.4	-0.5	.3	-0.3	2.8	1.0
1962	-0.5	.8	.6	.4	-2.0	.2	=0.2	.9	=0.4	-0.4	=1.2	.1
1963	2.4	-1.7	=0.6	-1.5	.0	2.2	=0.2	1.4	=0.8	-0.7	=0.9	-0.3
1964	-2.1	.8	=0.5	1.1	1.6	-0.3	.0	.5	2.9	.7	=0.3	1.8
1965	.1	.0	-0.1	.6	=0.3	-1.0	=1.1	1.4	=2.1	=0.0	=0.4	-1.1
1966	-0.5	-1.2	-1.3	1.2	=0.2	.4	=0.3	-1.0	=0.1	.5	=0.1	.1
1967	-0.3	1.5	1.1	1.6	-1.3	.2	.8	1.4	=0.5	=0.1	2.2	2.3
1968	.2	3.3	=0.9	-0.3	.9	-1.8	1.1	.6	.4	=0.9	2.4	-1.9
1969	.3	-1.2	.8	-1.5	1.4	.2	-1.7	-0.7	.0	1.2	.5	-2.0
1970	-2.1	-0.8	1.0	.6	-2.4	.4	.3	.2	=0.8	.4	=0.4	-1.0
1971	-0.7	-0.2	1.2	-0.3	-2.4	.0	.4	-1.1	=0.4	1.1	1.8	1.2

POINT NO, 15 (I,J)=(21,32)

LAT, 51.16N LONG, 170.00W

TABLE A-10

SURFACE WIND SPEED

	JAN	FEB	MAR	APRIL	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
AVERAGE =	11,3	11,0	10,9	10,3	9,4	7,7	7,6	8,0	9,7	11,7	12,0	11,5

STANDARD DEVIATION OF MONTHLY MEANS

	1,5	1,5	1,3	1,8	1,0	1,1	,9	,9	1,1	1,0	1,4	,9
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MONTHLY ANOMALIES

1946	3,8	2,5	,1	2,3	-0,5	-0,1	=1,1	=0,7	=0,3	1,0	=0,7	=0,5
1947	-0,2	-1,1	-1,5	-0,5	2,2	-0,2	,4	=0,9	=0,3	2,0	=0,1	1,0
1948	,3	-2,6	=0,3	-3,6	=1,3	,8	,5	=0,2	=1,2	,5	2,0	1,2
1949	-0,9	-1,6	2,8	-0,8	=0,8	-0,3	=0,5	,5	,2	=0,5	,3	=0,3
1950	-1,3	-2,3	-0,2	-0,9	=0,3	-0,6	,2	=1,1	,3	=1,0	=2,9	=1,0
1951	-0,7	1,8	=2,3	-0,7	,4	=0,0	=1,4	=0,4	=0,5	=0,2	=2,5	=0,2
1952	-1,3	1,0	,5	-2,0	=0,5	3,8	,7	=0,9	,4	1,5	2,9	,4
1953	-0,2	2,3	=1,5	,7	,7	,2	=1,6	,5	,8	=1,1	=0,2	2,0
1954	-1,1	1,3	1,6	-3,1	2,2	,2	,6	=0,6	=0,6	=1,2	=1,1	,4
1955	2,6	-0,7	-0,8	,4	1,5	=0,1	1,4	=0,0	,6	1,9	,1	=0,9
1956	-3,1	1,3	,9	1,0	1,0	=0,4	,9	,5	1,8	=1,2	=0,8	=0,4
1957	,2	,5	-0,0	2,1	=0,7	=0,2	=0,7	=0,1	=0,3	,2	1,2	=1,3
1958	1,8	-1,4	,8	2,8	1,4	1,3	,6	=0,5	=0,4	,9	1,3	=0,9
1959	-1,9	-0,1	,7	-1,2	-0,0	=0,5	=0,8	,9	=0,3	,1	,5	=0,1
1960	1,0	-0,8	=2,0	-2,7	,1	,3	=0,8	1,0	=0,3	,6	=0,8	=0,7
1961	1,7	-2,5	=0,8	-0,3	-0,7	-1,6	,7	1,4	=1,8	,0	2,4	,2
1962	-0,4	1,1	-0,7	-2,0	,1	=0,1	,3	,4	,2	1,4	=0,0	,4
1963	1,2	-2,6	2,0	-0,4	,2	2,4	=0,7	=0,2	,7	=0,1	=0,8	=0,2
1964	-0,8	,7	1,5	2,2	=0,7	-1,3	,9	1,8	2,2	=0,9	1,2	=0,7
1965	-1,2	-0,3	=0,5	,1	=0,4	=0,4	=0,1	-1,3	=1,8	=0,6	=1,1	=0,5
1966	-1,5	,8	=1,3	,1	=0,1	-0,9	,7	=0,5	=1,0	=0,6	=1,3	=1,1
1967	,1	2,2	,1	,0	=2,0	=0,3	1,8	,2	2,4	=1,0	,9	=0,2
1968	,7	,9	=1,3	1,1	=0,5	,4	=0,5	1,7	=0,8	=1,3	,6	=0,4
1969	-0,1	,6	=0,3	1,1	=0,4	-0,2	=1,3	-1,8	1,6	,4	,5	=1,3
1970	-0,5	-1,2	,4	3,4	-0,6	=0,4	,3	,4	=1,1	,3	=2,2	,2
1971	1,7	,1	2,1	,8	=0,2	-1,5	=0,5	=0,1	=0,3	-1,4	,8	2,4

POINT NO. 12 (I,J)=(19,32)

LAT. 44.77N LONG. 170.00W

TABLE A-11

SURFACE WIND SPEED

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
AVERAGE =	11.8	11.6	11.4	10.5	9.8	8.6	7.4	7.7	9.0	10.6	11.9	12.0

STANDARD DEVIATION OF MONTHLY MEANS

	1.6	1.7	1.2	1.1	1.2	1.5	1.1	1.0	1.1	1.6	1.6	1.5
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MONTHLY ANOMALIES

1946	2.6	2.3	2.4	1.0	1.0	-0.6	-1.1	-1.4	-0.6	-1.4	-2.4	1.5
1947	-1.1	-0.7	-0.5	.1	1.5	1.1	1.1	.7	.1	.1	1.5	1.7
1948	-0.6	-1.7	-2.0	-1.6	-1.9	.9	-0.2	-0.6	-2.0	-0.3	.7	-0.5
1949	-1.2	-1.9	1.6	1.1	-1.5	1.9	.7	-0.7	1.7	.5	.9	-1.6
1950	-0.4	-1.4	.9	-0.4	-0.4	-2.5	-0.4	.7	.5	-0.2	-2.4	-1.6
1951	.2	-0.3	-0.6	.2	1.7	2.2	.5	-0.0	.7	-1.3	-1.0	-0.6
1952	-1.1	1.4	-1.1	.2	-0.8	1.1	.7	-0.8	1.9	2.3	2.8	1.8
1953	-0.0	4.9	.2	1.2	-0.8	-0.8	.5	-1.3	-1.7	.6	1.4	2.3
1954	-0.1	.2	-1.2	-1.8	1.5	2.7	.5	-1.1	-0.9	1.1	-0.4	-0.7
1955	4.0	-0.1	-0.2	-0.6	1.5	-2.1	2.0	-1.9	-1.3	1.0	-0.5	-0.9
1956	-2.8	-1.4	.2	.4	2.6	-0.5	-1.1	.4	1.2	-3.6	-0.2	1.0
1957	1.0	-1.0	-0.2	-0.0	-0.4	-1.5	-1.7	.5	1.5	1.6	1.5	-0.8
1958	.6	-1.8	-1.5	1.4	.9	.5	.5	-0.4	-0.3	-0.6	-0.3	1.7
1959	-0.5	.9	.2	-1.0	-0.5	.3	1.0	-0.5	-0.3	1.5	2.3	2.1
1960	.5	.5	.2	.9	.2	.9	.1	.5	-0.9	1.3	2.0	1.1
1961	3.0	-1.1	.9	-0.2	.5	-1.0	1.6	.3	1.0	-1.1	-0.2	-1.9
1962	.1	-0.3	.2	-2.8	-0.8	-2.8	-1.0	1.7	-0.6	-0.9	1.9	1.5
1963	-1.8	-3.0	-0.7	-2.2	-0.1	2.6	-2.5	-0.3	.5	2.5	1.8	-0.8
1964	1.2	2.9	.5	-0.0	-2.0	-1.0	1.6	-0.0	.6	-1.6	.6	1.9
1965	-1.1	-0.5	-1.8	-0.5	.2	1.1	-1.1	-0.8	.4	-0.1	-2.5	1.3
1966	-0.0	.4	-2.5	1.0	-1.3	.7	.7	1.9	-0.7	-1.4	-2.3	1.2
1967	.0	1.5	.1	.2	-2.2	-0.2	-0.6	.8	3.0	1.9	2.3	-0.5
1968	1.0	-1.8	.7	.8	.4	-1.3	-0.5	2.3	-0.6	-1.5	1.0	-3.6
1969	-1.7	1.5	.8	.6	-0.5	1.3	-0.2	-1.0	-0.1	2.9	-1.2	3.3
1970	-2.9	1.4	1.8	1.9	-0.3	-1.3	1.5	.0	.7	-1.6	3.0	-1.9
1971	1.2	-1.0	1.4	.2	1.5	-1.8	-0.7	.8	-0.3	-1.8	.0	-0.1

POINT NO, 8 (I,J)=(17,32)

LAT, 38.65N LONG, 170.00W

TABLE A-12

SURFACE WIND SPEED

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
AVERAGE =	12,2	11,5	10,6	9,2	8,2	7,7	5,7	5,9	7,2	8,9	10,5	11,1
STANDARD DEVIATION OF MONTHLY MEANS												
	1,5	1,4	1,3	1,0	1,2	,9	,7	,9	1,1	1,1	1,3	1,6
MONTHLY ANOMALIES												
1946	,4	,8	1,4	-1,0	3,0	-1,5	-0,8	-2,2	-1,5	-1,2	-0,5	,6
1947	-2,6	-0,4	1,2	1,7	1,0	1,0	-0,0	1,1	-0,5	-1,3	2,8	-0,2
1948	-1,3	-2,2	-2,1	1,2	-1,0	,4	-0,5	-0,9	-1,8	-0,6	-1,2	-2,2
1949	-0,8	-1,0	2,2	,5	,5	,3	-0,3	,2	,6	,7	,2	-1,0
1950	-1,2	,6	,9	,4	-0,1	-1,2	-1,7	1,4	-0,1	,2	-0,2	-1,0
1951	,1	,3	1,1	2,6	2,8	1,3	-1,1	1,1	2,0	,2	-0,4	,2
1952	-0,6	1,1	,1	1,0	-2,8	,6	,5	1,6	1,1	-1,4	-0,1	,8
1953	1,3	3,0	-2,0	,2	-0,6	-0,8	,6	-0,6	-0,1	1,4	2,2	1,1
1954	-0,6	,6	-2,1	-0,1	,6	-0,4	,2	,2	,5	1,3	2,0	-1,8
1955	1,4	-1,9	-0,9	-1,5	,3	-1,0	,3	-1,4	-1,5	-1,3	-0,3	-0,3
1956	-0,9	-0,3	,5	-0,5	,0	,6	,3	-0,3	-0,0	-0,7	-0,5	,6
1957	-2,0	-0,4	1,2	-1,0	-0,1	-0,4	-0,7	1,1	1,0	1,4	-1,0	-1,1
1958	2,7	,7	-2,3	1,2	,1	,4	,7	,6	1,1	-1,3	-1,2	4,2
1959	1,9	-1,2	1,4	,4	-0,2	-0,7	,2	-0,3	,5	2,5	1,9	1,0
1960	,1	2,1	-1,0	,1	-0,8	,9	-0,2	-0,0	-0,7	2,2	,3	3,1
1961	2,4	-0,8	,8	,5	-0,4	,0	,6	-0,6	-0,1	,9	-1,4	,7
1962	2,8	-0,5	-1,5	-0,5	1,2	-0,8	-0,1	,4	-1,3	-0,2	,1	-0,1
1963	1,0	-1,0	-0,1	-1,9	-0,8	-0,3	-0,3	-0,0	-0,5	-0,6	-1,4	,9
1964	2,4	1,4	,4	-1,3	1,2	,6	-0,1	-1,4	-2,1	-1,2	,4	-0,4
1965	-1,4	-0,5	-0,8	-1,2	-0,0	1,7	-0,3	,8	1,0	-0,2	-1,3	-0,8
1966	,4	-3,6	,7	,6	-0,6	,6	,3	-0,0	2,1	,4	-0,6	,5
1967	-0,2	,0	-0,4	-1,3	-0,5	-0,7	1,9	-0,6	1,1	,8	-0,9	-0,6
1968	-1,5	,0	-0,3	,3	-0,5	-0,8	1,0	,5	-1,2	-1,3	2,6	-2,2
1969	-2,0	-0,7	-0,5	,6	-0,8	1,5	,0	,3	-0,1	,8	,7	2,8
1970	-1,5	2,5	1,9	-0,7	-2,4	-0,3	,4	-1,4	,7	-1,4	-1,1	-2,9
1971	-0,1	1,1	,1	-0,4	-0,2	-1,0	-0,8	,4	-0,3	-0,1	-1,3	-1,4

POINT NO. 4 (I,J)=(15,32)

LAT, 32.84N LONG, 170.00W

TABLE A-13

SURFACE WIND SPEED

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
AVERAGE =	10.6	9.9	8.2	7.0	6.0	6.0	5.2	4.9	5.2	6.9	8.2	9.4

STANDARD DEVIATION OF MONTHLY MEANS

	1.7	1.9	1.2	1.3	1.3	.8	.9	.8	.9	1.2	1.4	1.6
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MONTHLY ANOMALIES

1946	-0.5	-0.7	-0.6	.2	3.7	-0.1	.2	.3	-0.1	-0.1	1.1	-0.5
1947	-0.2	3.8	1.4	-0.6	-0.7	1.1	1.4	1.7	.2	1.3	1.4	-2.7
1948	-3.0	-1.7	-0.6	2.6	1.2	-0.1	-0.1	.5	1.7	-2.2	2.4	-1.0
1949	-0.8	.3	.9	.6	-0.3	2.4	.9	1.0	.2	-0.7	0.3	.1
1950	-1.6	-1.4	1.4	-0.1	-1.4	1.3	-1.2	-0.9	-1.1	-2.5	1.2	-0.8
1951	-0.8	-0.1	-0.1	.0	.8	.3	.4	-0.8	.6	1.1	0.7	-0.3
1952	2.3	-1.1	.0	-0.7	-1.8	1.2	.6	.6	-0.3	-0.7	1.6	-0.8
1953	2.8	-0.9	-1.7	1.1	.9	.2	-0.6	.1	.2	-0.1	.1	-0.3
1954	-0.3	-0.3	1.4	.2	-1.9	-0.8	1.4	.0	.0	-0.3	4.2	1.3
1955	-2.8	-2.0	.6	1.2	-0.8	-0.4	.7	.7	-0.6	-1.1	0.2	2.2
1956	.8	-0.0	-1.3	-1.3	-2.4	-1.0	.5	-1.1	.3	1.2	.9	2.1
1957	-0.1	.3	.9	-0.9	-0.3	-0.9	-0.9	.7	-0.5	-0.1	1.0	-2.5
1958	2.6	2.1	-1.5	.5	-2.2	-0.3	-0.9	.2	.9	1.2	.6	.7
1959	2.8	-2.6	.4	.3	-0.7	.2	-0.5	.2	2.2	1.3	.3	-1.5
1960	-0.3	1.9	-1.0	-0.3	-0.3	-0.5	-0.9	.7	.2	-0.4	0.8	2.2
1961	1.3	1.1	3.7	.2	-0.3	-0.8	.2	-1.5	.4	1.9	1.9	-0.6
1962	2.8	-1.9	-0.3	3.9	1.4	-0.2	-0.4	-0.2	1.0	.3	1.8	2.3
1963	2.1	3.2	-0.1	.2	-0.6	-0.4	1.0	.5	-0.6	.7	0.4	1.7
1964	-1.1	-0.6	-0.4	-0.0	2.8	.4	-0.5	-0.7	1.4	-0.7	1.8	1.0
1965	-1.4	-2.0	-0.3	-0.4	-0.8	-0.9	.0	-0.4	.6	-0.6	1.5	-3.5
1966	-0.5	-1.7	-0.8	-0.7	1.6	-0.4	.4	-0.6	.8	1.1	0.2	1.2
1967	-1.3	-1.5	.6	-0.3	-0.5	.1	1.8	-1.0	.1	-0.5	0.5	.3
1968	-1.3	4.3	-1.2	-0.7	.1	.0	-0.3	.1	.1	2.2	.5	.2
1969	-0.4	-2.2	-0.6	-1.6	-0.8	.7	-1.2	.5	1.6	2.3	.2	.8
1970	-0.5	1.1	1.0	-0.9	1.5	-1.2	-1.1	-1.1	-0.8	-0.4	1.6	-2.1
1971	-0.5	2.1	-1.8	-2.6	.0	.1	-0.9	.4	-0.4	.6	0.4	.3

POINT NO, 1 (I,J)=(12,32)

LAT, 24,69N LONG. 170,00W

TABLE A-14

SURFACE WIND SPEED

	JAN	FEB	MAR	APRIL	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
AVERAGE =	7.2	7.0	6.9	7.1	6.1	5.0	6.3	6.0	5.0	6.3	6.5	7.2

STANDARD DEVIATION OF MONTHLY MEANS

	1.2	1.3	1.4	.9	.9	.7	.8	.7	.7	1.0	.9	1.4
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MONTHLY ANOMALIES

1946	-0.7	.6	.8	1.5	=0.8	1.0	=0.3	=0.7	.0	=0.3	.1	1.3
1947	-0.3	2.3	.3	-0.1	.6	-0.7	.9	=0.4	.8	1.8	=1.6	.5
1948	-0.0	-1.7	.9	-0.6	-0.1	-1.1	1.0	.4	1.3	1.4	.3	.7
1949	.4	-1.0	=1.3	-0.4	=0.3	.6	.1	.6	.0	=1.5	.7	-1.4
1950	.1	-1.5	=1.0	1.2	=0.5	.2	=0.7	1.4	=0.2	=0.6	=1.6	=0.4
1951	-0.1	.5	1.2	-1.0	.3	-1.1	.6	.1	=0.6	=0.5	.3	-0.9
1952	1.6	-1.8	1.2	-0.1	.4	=0.1	-1.4	=1.2	=1.2	1.0	=0.1	-1.6
1953	-1.3	-0.6	1.6	-1.8	=0.5	=0.6	.0	=1.3	=0.9	-1.1	=0.4	-0.9
1954	-0.8	.3	1.2	-1.2	1.5	=0.1	.3	=0.3	=0.9	-1.3	=0.9	.2
1955	-1.1	1.2	1.0	.7	.1	.2	-1.2	.1	.1	.0	.3	=0.9
1956	1.8	.5	.4	.3	.7	1.6	=0.5	=0.5	=0.3	=0.3	=0.6	=0.8
1957	-0.1	.4	-1.2	.6	-1.0	-0.6	=0.7	.0	=0.9	=0.9	=0.5	3.7
1958	-0.1	.1	1.3	-1.2	.8	=0.3	.5	1.0	.5	1.1	=0.1	-2.2
1959	-0.4	=0.1	=2.6	.0	.0	=1.0	=0.2	=0.1	.8	=1.2	=0.3	1.2
1960	-1.4	-0.2	=0.3	-0.6	-1.0	=0.3	=0.8	=0.9	=0.7	-1.0	=0.7	-1.3
1961	-0.4	-1.0	-2.4	.2	.6	1.2	=0.8	=0.6	=0.1	-0.4	.9	-1.8
1962	-0.1	-0.8	1.0	-0.8	=1.5	=0.8	=0.4	=0.2	.4	.6	.2	=0.2
1963	2.0	=0.2	-1.0	-0.9	2.5	.8	.5	=0.0	.8	.1	=1.3	-1.8
1964	-0.3	-1.9	1.2	.6	=0.3	.4	1.4	1.2	1.3	2.1	1.5	2.1
1965	-1.2	-0.6	.2	-0.3	2.3	.3	=0.5	.0	=0.6	2.1	1.8	.6
1966	-2.0	2.1	-1.8	-0.9	.9	.4	=0.0	1.1	=0.7	=0.1	.2	=0.5
1967	-0.6	.4	.7	1.1	.7	=0.0	=0.0	1.1	.2	=0.6	2.2	2.4
1968	2.5	2.2	2.6	1.5	-0.2	=0.4	1.0	=0.6	=0.3	=0.3	.2	.7
1969	2.5	2.7	=0.6	.6	=0.2	=0.0	.2	.5	.8	=0.5	=0.3	=0.5
1970	-1.0	-2.1	=2.8	.8	=1.0	-0.2	2.1	.3	.3	.5	.3	.2
1971	1.0	.3	.3	.5	=2.0	.5	=1.1	-1.0	=0.2	=0.1	=0.6	1.7

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W. SPD.
150W

POINT NO. 2 (I,J)=(13,25)

LAT. 24.04N LONG. 149.78W

TABLE A-15

SURFACE WIND SPEED

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
AVERAGE =	6.9	6.9	7.0	6.5	6.2	6.1	6.4	6.2	5.5	5.4	6.2	7.0

STANDARD DEVIATION OF MONTHLY MEANS

	1.0	1.1	1.1	1.1	1.1	.8	.8	.8	1.0	.8	1.0	1.3
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MONTHLY ANOMALIES

1946	-0.1	-1.0	=0.2	-0.1	=2.4	.7	.2	=1.1	.4	.8	=0.6	2.1
1947	-0.4	-0.6	.2	.0	=0.6	=0.4	=0.4	=0.1	=0.3	=0.7	.3	1.5
1948	-0.9	.0	2.5	-0.2	1.4	-0.3	=0.8	=0.5	=1.4	.2	2.6	2.2
1949	1.9	-0.5	-0.6	-0.3	-0.4	.3	.6	.4	=0.3	.1	1.3	-0.0
1950	-0.0	-1.7	=0.8	.0	1.0	.0	=0.4	.1	=0.7	=0.8	=1.8	-1.6
1951	.0	1.4	1.0	-0.0	=0.9	-1.0	.3	.2	=1.4	.8	.5	.1
1952	.6	=0.7	1.8	-0.4	=2.2	.8	=0.3	=0.1	=0.4	=0.9	.4	=0.8
1953	-0.9	1.3	.5	-1.8	-0.4	.1	=0.4	=0.0	=0.4	=0.6	=0.1	1.1
1954	-1.7	.1	.6	-1.3	.4	.8	.4	1.0	.5	-1.0	=1.8	1.1
1955	.3	1.2	=0.9	1.6	2.0	1.4	.3	.7	.8	.7	.4	-1.4
1956	-0.4	2.1	=0.1	-1.1	=0.3	1.8	.3	.1	=0.1	1.3	=0.6	=0.7
1957	.4	1.6	-1.3	.9	=2.5	-1.0	.7	1.3	=0.7	-1.0	=0.1	1.2
1958	-1.4	-0.8	.7	-0.1	-0.4	.5	1.1	.6	1.6	.7	.3	=2.1
1959	-1.2	.6	1.2	.2	.1	-0.2	.7	1.0	2.3	-0.5	=0.2	.4
1960	.2	-0.1	-1.3	.2	.3	-0.1	-0.9	.1	.6	.2	1.2	=2.2
1961	.2	1.0	=1.1	-1.9	1.1	=0.4	-0.8	=0.8	.2	2.1	.2	.7
1962	-0.7	-1.6	-1.1	-0.6	1.8	=0.0	.2	=0.2	=0.1	=0.6	.0	-1.0
1963	.3	.1	.7	.6	-0.9	1.4	.9	.5	=0.5	.6	=0.6	=2.3
1964	.8	1.6	.5	1.4	1.6	.3	1.1	=0.1	1.4	.0	.2	=1.1
1965	-0.7	.7	-1.6	=0.7	.5	=0.8	=1.8	=1.8	=1.3	-0.4	=1.0	.2
1966	-1.4	-1.2	-1.3	-2.2	.0	-1.3	=1.2	=0.1	.3	.1	.2	=0.2
1967	-0.1	-0.4	.7	.8	.6	=0.9	1.1	=0.0	=1.2	.5	1.3	.5
1968	1.3	-1.0	1.4	2.8	=0.7	.3	=0.3	-1.1	=0.8	=0.7	=1.0	=0.6
1969	1.8	.5	=0.5	.2	=1.3	-0.2	1.1	1.4	1.7	-1.0	=0.9	=0.6
1970	.5	-2.1	=0.6	1.5	.7	-0.4	-0.7	.7	=0.3	=0.7	=1.4	1.7
1971	1.7	=0.5	=0.5	.6	=0.9	-1.3	-1.1	=1.7	.1	.6	1.3	1.9

POINT NO. 10 (I,J)=(18,27)

TABLE A-16

LAT. 39.05N LONG. 150.35W

SURFACE WIND SPEED

	JAN	FEB	MAR	APRIL	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
AVERAGE =	11.7	10.9	10.0	8.5	7.8	6.9	5.3	5.0	6.7	8.7	10.3	11.2
STANDARD DEVIATION OF MONTHLY MEANS												
	1.6	1.5	1.4	1.3	1.1	.8	.7	.8	1.1	1.0	1.4	2.1
MONTHLY ANOMALIES												
1946	.2	.4	0.4	.8	2.4	.4	0.4	-1.5	.2	-1.8	2.0	-2.6
1947	-0.9	1.5	2.3	1.3	-0.8	.7	0.7	.9	1.7	.8	1.1	-2.5
1948	-1.4	-1.3	0.4	-0.3	.3	-0.2	0.3	-0.9	2.3	-0.3	0.1	-4.4
1949	-1.6	.0	0.4	1.2	2.2	1.1	1.2	.3	.9	.3	1.9	-0.7
1950	.6	.9	1.0	.1	.6	1.0	0.7	1.8	.1	1.2	1.7	.1
1951	.6	-0.5	-1.3	-0.7	.8	1.5	0.3	.9	1.3	-1.2	.9	-0.6
1952	-3.1	1.2	1.9	1.4	0.7	-0.8	1.3	.2	1.3	.9	.2	3.2
1953	1.8	1.0	0.3	1.5	1.3	-1.1	1.4	-1.1	-1.2	1.7	3.4	.5
1954	.6	1.3	.3	.1	.3	.2	.8	0.6	0.2	1.1	3.3	.4
1955	-1.6	-0.9	1.5	-1.1	-0.8	0.5	0.6	0.7	.4	-0.7	0.5	1.2
1956	.9	-2.0	-1.3	-0.5	-0.8	.2	1.0	.3	-1.6	-2.2	0.5	.8
1957	-3.1	-2.8	1.4	.2	2.7	.7	0.6	.5	.5	.2	2.2	-0.5
1958	1.8	1.1	0.5	2.3	2.3	.1	-1.1	.6	.0	-1.0	0.0	1.9
1959	2.2	-0.9	.9	.3	2.0	.8	.8	0.0	.0	.9	0.8	.9
1960	-1.2	1.5	.1	1.2	1.0	-1.6	0.2	-1.5	1.4	.0	.6	2.9
1961	1.6	1.8	3.2	.0	-0.6	0.3	0.0	.5	0.7	-0.6	1.1	.5
1962	2.8	1.7	-2.6	-0.3	2.3	-1.0	0.8	0.1	0.6	.4	.5	1.4
1963	2.6	1.9	1.7	-1.0	0.4	-1.6	0.6	.2	.5	.7	.6	1.1
1964	1.0	-1.6	0.3	-1.9	1.5	0.1	.4	.4	.4	1.0	1.0	-1.2
1965	-1.7	-3.4	.0	-1.4	0.8	0.0	.2	.4	1.2	-1.0	0.6	-2.0
1966	.3	-1.8	1.2	-0.5	.3	1.0	.2	0.1	2.4	.1	0.7	0.1
1967	-1.8	-0.8	2.9	-1.9	.6	.4	0.5	.8	1.8	.9	1.3	2.3
1968	-0.0	1.6	.6	-0.9	-1.1	-0.4	.7	0.4	.1	-0.1	2.2	-1.0
1969	-0.2	-0.2	1.4	2.8	1.6	.4	.0	0.8	0.6	1.0	1.0	4.5
1970	-0.2	0.7	0.9	-2.4	0.7	0.5	0.7	0.7	0.6	-1.7	.2	-3.0
1971	.1	1.2	1.1	-0.2	-1.0	0.5	0.3	.6	0.2	-0.7	.7	-3.2

POINT NO. 5 (I,J)=(16,26)

LAT. 32.59N LONG. 149.44W

TABLE A-17

SURFACE WIND SPEED

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
AVERAGE =	9.5	9.2	7.6	6.8	5.7	5.2	5.5	5.0	4.9	6.3	7.2	8.2

STANDARD DEVIATION OF MONTHLY MEANS

	1.7	1.7	1.1	1.2	.9	.9	.8	.8	.9	.8	1.3	1.3
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MONTHLY ANOMALIES

1946	-1.4	-0.0	-0.7	-0.3	2.6	1.1	-0.7	-0.1	-1.8	.3	1.4	1.1
1947	-0.7	1.6	1.1	.1	.7	2.6	.5	1.7	.7	-0.8	.4	-0.9
1948	-2.9	-0.9	-0.9	.6	-1.1	.8	.7	1.6	.8	-1.0	-0.3	-2.2
1949	.1	.6	-0.8	-0.2	.6	1.4	.8	.2	-1.3	.6	2.8	-0.2
1950	.6	-2.0	.6	-1.2	-1.1	.2	-0.5	-1.0	-0.2	-0.9	.1	1.7
1951	-0.3	2.0	1.3	-1.0	.5	.3	-0.1	-0.4	.6	.2	-0.8	-1.2
1952	.2	-1.3	-0.6	-0.6	.1	.1	-0.1	-0.3	.8	.9	2.2	.6
1953	3.0	-1.3	-1.2	1.4	1.0	.4	.3	-0.6	-0.3	-0.6	1.2	.2
1954	-0.3	2.7	2.4	1.2	.0	-2.0	1.0	.0	-0.9	-0.6	2.6	.6
1955	-3.4	-0.3	1.4	-1.2	-2.3	-1.1	.2	-0.1	-0.2	-1.5	.1	.3
1956	.3	-2.1	-1.1	-0.7	-0.3	-0.6	-0.7	-1.0	.2	-0.4	.5	.6
1957	-1.9	.4	-0.5	-1.5	-0.0	-0.7	.2	.7	.3	.6	-0.9	-0.6
1958	3.2	1.9	1.6	.3	-0.6	-0.3	-0.7	-0.5	-0.5	-0.1	.5	-0.8
1959	-0.4	-1.6	-2.9	1.1	.3	-0.8	-0.1	.7	.2	-0.4	-0.9	-2.1
1960	-1.1	-0.3	1.1	-0.8	-1.4	.7	-1.3	1.3	-0.9	-0.8	-1.7	1.2
1961	.3	-1.3	-0.1	1.4	-0.7	-0.6	1.2	-0.3	1.7	1.4	-0.2	-0.1
1962	2.3	.8	-0.8	.6	-0.3	-0.8	-1.0	.5	-1.6	2.0	-2.6	3.4
1963	1.8	2.1	.7	-1.2	-2.0	.4	.7	-1.5	-0.3	-0.3	-0.4	2.0
1964	-2.6	-3.3	-0.4	.5	.5	.3	-0.6	-0.4	-0.2	.3	.8	-0.0
1965	-0.8	1.6	-0.8	-0.1	1.1	-0.6	.4	.2	2.4	.6	-0.2	-1.1
1966	-1.0	.1	.1	.1	1.0	-0.3	1.8	1.0	1.2	1.5	-0.1	-0.2
1967	-1.6	-1.6	-0.7	3.5	-0.3	.7	-0.6	-0.5	-0.5	-0.5	.5	1.2
1968	2.2	4.1	.6	1.1	.0	-0.1	-0.3	-0.1	-0.1	.0	1.4	.3
1969	1.8	-1.6	.9	-0.8	1.1	.4	.7	.1	.1	.4	-0.4	.3
1970	.9	-0.5	.3	-0.2	-0.4	-0.4	-0.4	-1.1	-0.4	-0.8	-0.3	-2.6
1971	1.5	-0.1	-0.6	-2.1	-1.0	-0.9	-1.4	-0.3	.2	-0.3	-1.5	-1.0

POINT NO, 14 (I,J)=(21,28)

LAT, 48.88N LONG. 150.02W

TABLE A-18

SURFACE WIND SPEED

	JAN	FEB	MAR	APRIL	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
AVERAGE =	11.2	11.4	11.1	10.2	9.2	8.5	7.3	7.8	9.4	11.1	12.1	11.9

STANDARD DEVIATION OF MONTHLY MEANS

	1.8	1.4	1.2	1.2	1.1	1.0	.9	1.1	1.3	1.1	1.5	1.3
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MONTHLY ANOMALIES

1946	-1.9	.8	1.4	.9	1.0	-1.2	.1	-0.7	-0.5	-1.6	-1.4	-1.2
1947	-3.4	-0.6	-2.2	-0.1	-0.2	.4	-0.8	-1.3	-1.3	1.2	1.2	-0.1
1948	.1	-1.9	-0.6	-2.7	-1.6	-0.8	.3	-0.7	-0.3	1.2	2.5	-0.8
1949	.4	-1.2	.9	-0.2	-1.6	1.2	1.4	.3	-0.8	-0.1	.7	-1.4
1950	-0.2	.4	1.7	.4	2.9	1.1	.1	.2	1.9	1.3	-2.4	-0.7
1951	2.3	.8	-1.4	1.0	1.0	2.1	-0.7	-1.5	1.0	-1.3	.6	.2
1952	1.3	-0.4	1.0	-0.1	.8	-0.9	1.0	.9	-0.7	.1	.7	4.4
1953	.0	2.5	.9	.4	.5	-1.4	-0.2	.2	.9	1.1	-0.5	1.4
1954	-0.0	1.0	.4	.9	-0.2	1.3	.4	-0.8	-2.7	1.7	-0.3	-0.5
1955	1.1	-2.5	.0	-0.5	2.0	-1.1	.7	.3	-0.7	2.1	-1.0	.5
1956	2.4	1.2	1.3	.4	1.0	.2	-1.3	.3	-1.9	.3	.9	.2
1957	.3	1.0	-0.4	-0.0	.5	.6	-1.0	-1.8	2.2	-1.0	.3	-0.6
1958	-1.7	1.2	-2.0	1.4	-0.7	.5	1.5	1.7	-0.4	-0.1	-0.9	-0.1
1959	1.1	-1.0	.5	-1.5	-1.4	.8	1.5	.0	1.5	.1	-0.0	1.6
1960	.3	-0.8	1.3	-0.1	.9	.3	-0.6	.6	-0.5	-0.0	3.7	.0
1961	1.4	.6	.2	1.1	.3	.2	.2	1.4	-0.3	-0.4	1.6	-2.3
1962	.3	-2.7	.2	1.0	-0.8	-2.3	-0.8	-1.0	-0.8	-1.0	2.8	-0.4
1963	3.6	-2.4	-0.7	-1.8	-0.5	-0.5	-1.4	-2.1	-0.3	2.2	-0.2	-0.8
1964	2.2	2.8	-0.4	.2	.3	-1.0	1.0	1.3	-0.2	-1.5	-1.6	-1.6
1965	-0.9	-0.2	.6	-0.8	-0.6	-0.3	.4	-1.7	-0.4	-0.8	-2.6	-0.5
1966	-2.3	-1.5	-1.7	-2.4	-0.3	-0.7	-0.6	-0.5	.4	-0.1	-0.6	-0.5
1967	.9	1.1	-1.1	-1.6	-2.0	-0.1	-0.0	1.0	3.6	-0.2	-1.4	1.3
1968	-2.6	-0.6	.2	1.2	-1.8	.7	-0.0	.4	.9	-0.0	1.2	.6
1969	-3.1	.7	-2.2	1.1	-0.8	.7	.2	.6	-0.6	-0.0	-0.0	2.1
1970	-2.0	.2	.8	1.5	-0.6	.5	.2	1.5	.4	-2.6	-1.6	-0.1
1971	.3	1.6	1.5	.3	1.2	-0.2	-1.6	1.2	-0.3	-0.3	.8	-1.3

POINT NO. 19 (I,J)=(23,29)

LAT. 56.18N LONG. 151.56W

TABLE A-19

SURFACE WIND SPEED

	JAN	FEB	MAR	APRIL	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
AVERAGE =	10,5	10,5	9,9	8,4	7,5	6,8	6,0	6,9	8,2	9,8	10,9	11,0
STANDARD DEVIATION OF MONTHLY MEANS												
	1,4	1,5	1,3	1,2	1,1	1,0	,9	,7	,9	1,2	1,1	1,1
MONTHLY ANOMALIES												
1946	-0,2	1,5	1,5	,2	,1	-1,3	-1,6	-0,7	-0,4	,7	-0,9	1,1
1947	,5	1,8	-2,4	-1,3	,5	,1	,3	-0,9	-0,8	,2	-0,3	-1,1
1948	,6	-2,1	,8	,4	-0,8	,3	,4	-0,8	1,2	,7	-0,2	,9
1949	-1,0	,1	,3	-0,3	-2,1	2,4	-0,7	1,1	-0,2	,8	,2	-2,0
1950	-1,7	1,9	,4	,7	,9	-0,0	-0,1	-0,6	1,7	-0,5	,8	-0,4
1951	2,5	-0,5	-1,7	,7	,4	,9	-1,0	-0,1	-0,1	-1,1	-0,8	,3
1952	3,7	-0,3	,5	-0,2	-0,9	-0,0	1,0	,3	-0,5	-1,4	,3	-1,5
1953	,7	1,7	-1,7	-1,4	-0,3	1,2	-0,6	,9	,3	-0,8	-2,7	-0,8
1954	-0,7	-0,2	-0,9	-1,7	-0,4	-0,5	,0	-0,8	-1,6	1,5	-0,4	,7
1955	-0,1	,9	,8	-0,4	,2	,0	,1	,3	-1,5	,5	-0,9	,5
1956	1,7	1,1	1,7	1,2	2,5	-1,2	-1,8	-0,4	-0,5	,5	,1	-1,7
1957	-1,9	-0,5	-0,8	-2,3	-2,2	-2,0	-1,2	-1,3	,3	-1,9	-0,9	-0,6
1958	-1,5	-2,2	-2,4	-2,6	-0,6	,6	,9	-0,8	-0,6	-0,5	,1	-1,7
1959	1,1	-1,1	,7	-1,3	-0,6	-1,2	,4	,5	,1	-2,0	-2,1	-1,6
1960	-1,2	-2,5	-1,3	-0,4	-2,9	-0,2	-0,8	1,1	-1,1	-0,5	3,0	,1
1961	-0,9	-2,0	-0,0	,2	-0,7	-1,0	-0,3	,5	,1	1,9	,7	-0,1
1962	,1	-2,6	,2	2,3	-0,4	-0,8	-0,7	-0,8	,2	-0,0	,1	,2
1963	,0	-0,8	2,5	,8	-0,8	,9	,0	-0,2	-0,7	,2	,2	-0,2
1964	,2	2,7	-0,6	,5	2,8	-0,2	,4	1,3	,1	,3	,3	1,1
1965	-1,2	,4	-0,9	,2	2,8	1,5	1,3	-0,6	1,7	-0,0	-0,9	,6
1966	-1,6	-0,7	2,4	,1	,9	-0,6	2,1	,6	1,4	3,5	,8	,6
1967	2,2	1,4	1,6	2,6	,9	-0,4	,9	1,2	1,6	-1,5	1,5	2,2
1968	,8	-1,9	-0,7	1,2	-0,6	-0,1	-0,9	,3	,5	,6	1,0	-0,6
1969	-0,1	2,1	-0,7	-0,7	,3	1,8	,5	,7	-1,1	-0,3	,6	,3
1970	-1,7	,3	-0,3	1,2	-0,8	,3	,7	-0,4	,2	-1,6	-0,4	1,7
1971	-0,1	1,3	1,1	,1	1,8	-0,5	,4	-0,2	-0,1	,6	,6	1,9

W. SPD.
130W

POINT NO. 19 (I,J)=(23,25)

LAT, 49,86N LONG. 132,12W

TABLE A-20

SURFACE WIND SPEED

	JAN	FEB	MAR	APRIL	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
AVERAGE =	10,5	10,3	9,2	8,7	6,9	6,7	5,7	6,0	7,3	9,6	10,4	10,9

STANDARD DEVIATION OF MONTHLY MEANS

	1,3	1,4	1,4	1,4	,9	,9	,7	1,0	1,0	1,4	1,5	1,1
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MONTHLY ANOMALIES

1946	1,7	2,0	1,3	,6	,2	=0,4	=0,1	=-1,6	,8	=1,8	=0,6	=-1,6
1947	,5	=-1,2	=-3,0	=-0,7	=0,1	1,0	=0,9	,4	=-1,5	,2	=-2,6	=-1,2
1948	=-1,2	=-0,4	=-1,1	=-1,2	=-1,0	=-1,5	,0	,9	=0,3	=-1,5	1,3	=-0,0
1949	=-0,9	2,6	=-1,1	,5	=-0,5	1,5	=0,1	=-1,2	,6	,9	1,1	,1
1950	=-0,8	,7	,7	1,3	,6	=-0,1	=0,7	,1	=0,3	=0,7	=0,6	=-0,4
1951	,5	=-0,4	2,1	=-2,4	=0,3	2,3	=0,9	=-0,2	=0,1	=-0,9	,7	,5
1952	2,2	=0,7	,1	,7	=-1,2	=-0,4	,9	1,4	,6	=-2,1	=-2,2	1,1
1953	,4	=-0,5	,8	=-0,5	1,5	=-1,1	=-0,3	=-0,8	=0,3	2,1	1,9	1,5
1954	,1	2,0	=-1,5	,7	,1	,9	,5	=-0,0	=-1,2	=-0,2	3,0	=-0,7
1955	=-1,6	=-0,7	,3	=-0,6	=-0,5	=-1,2	=-1,1	=-0,8	=-1,6	1,5	=0,3	=-1,2
1956	=-0,4	=-0,9	,0	=-1,6	=-1,2	,4	=0,1	=-0,3	=-1,8	,7	=0,9	1,8
1957	=-1,2	=-2,3	=-0,9	=-2,6	=-1,0	=-0,7	,3	=-2,1	=-0,4	=-1,8	=-0,9	,6
1958	2,0	1,4	=-2,2	=-0,9	=-0,7	=-1,0	,5	,2	=0,3	=-0,5	=0,5	,0
1959	=-0,3	=-0,3	1,6	=-0,9	,3	=-0,3	,2	,4	=0,3	=-2,5	=-1,7	1,7
1960	,2	=-0,5	,7	2,3	,2	=-0,7	,5	,7	=-1,5	=-0,7	=0,8	=-0,1
1961	1,8	2,2	,8	=-0,1	=-0,7	,1	=-0,2	=-0,6	,0	1,5	=0,2	=-0,8
1962	,9	=-1,9	=-0,9	1,4	=-0,3	=-0,3	=-1,2	,6	=0,3	=-0,5	,7	=-0,0
1963	=-3,8	1,3	=0,6	=-0,5	=-1,5	,4	,2	=-2,3	1,1	3,3	1,6	,5
1964	1,3	=-0,2	1,0	1,7	,9	,4	,7	1,9	1,4	=-0,3	=-1,8	=-0,6
1965	=-0,0	=-1,1	=-1,7	=-0,8	=-0,1	=-0,5	,5	=-0,3	1,3	1,1	=-0,7	=-2,6
1966	=-0,7	=-1,9	1,8	=-1,6	1,5	,2	1,4	1,0	,7	1,1	=-1,0	=-0,6
1967	,5	2,5	=-0,2	=-1,4	2,0	1,2	,4	,0	1,6	,4	=-1,6	=-0,1
1968	,1	=-0,2	1,1	1,5	,4	1,0	=-0,4	1,2	,6	2,3	2,3	=-0,9
1969	=-1,0	=-1,6	=-2,6	2,3	=-0,3	=-0,3	,7	1,1	=-0,5	=-1,3	2,4	2,2
1970	=-0,1	=-0,4	,7	1,4	,9	=-0,3	,2	=-0,6	,5	,2	,9	1,5
1971	,0	,7	2,5	1,5	,8	=-0,5	=-1,1	,9	1,4	=-0,6	,5	=-0,7

POINT NO. 13 (I,J)=(21,23)

LAT. 41.03N LONG. 130.71W

TABLE A-21

SURFACE WIND SPEED

	JAN	FEB	MAR	APRIL	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
AVERAGE =	10.2	9.8	9.3	7.7	6.9	7.0	6.9	6.3	7.0	7.6	9.0	10.0

STANDARD DEVIATION OF MONTHLY MEANS

	1.8	1.5	1.0	1.0	.8	1.1	1.0	1.0	.8	.9	1.5	1.4
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MONTHLY ANOMALIES

1946	.3	2.1	.6	-0.1	.6	.1	=2.0	.6	=1.4	.3	.4	=0.6
1947	-1.8	-0.6	-1.2	-0.5	-0.2	2.1	=2.2	1.5	=0.3	.9	=2.9	.1
1948	-2.3	.5	=0.0	.8	.1	.2	1.0	=0.1	.2	=0.0	.6	.3
1949	-2.5	2.5	.5	-1.6	.4	1.2	.8	=0.9	=1.1	-0.4	2.1	-1.0
1950	.6	1.2	.1	.0	=0.4	.5	.1	=0.8	=0.7	2.9	=0.2	1.9
1951	.8	1.5	=1.0	-0.9	1.3	2.6	.9	2.2	.3	=1.0	.2	.7
1952	1.5	-0.6	.9	1.2	.6	1.0	1.5	.9	.2	=0.1	=0.8	2.9
1953	3.9	-0.5	.5	.3	2.3	.5	.6	.7	=0.3	-0.8	1.6	-1.6
1954	.6	-0.2	=0.8	1.1	=1.4	=0.0	1.2	1.4	=1.1	.4	1.4	=0.0
1955	-0.9	-1.0	=0.7	.4	.1	=0.1	.7	=0.1	.3	=1.0	.1	=0.1
1956	1.9	-1.0	=0.8	-1.7	=0.5	=0.5	.1	=1.0	=0.5	.2	=3.8	=3.1
1957	-1.2	-1.2	.5	-1.4	=0.5	=2.0	=0.0	=1.0	=0.1	-1.0	2.1	.1
1958	2.4	1.9	1.0	.4	=0.8	=0.8	.8	=0.2	.1	=0.3	=1.4	-1.7
1959	-0.9	-0.2	=1.8	-0.5	=0.4	-1.8	1.1	.8	.7	=0.0	=1.6	-1.4
1960	.2	1.3	-1.9	1.1	=0.2	.8	1.0	1.4	=0.4	=0.4	1.5	-2.5
1961	3.8	2.1	2.0	.8	.1	=0.5	.9	.1	1.3	1.0	.4	-1.0
1962	-2.8	-0.3	.2	-1.4	=0.2	1.0	=0.4	.6	=0.0	.3	.2	=0.5
1963	-3.3	1.7	.0	1.2	=1.7	.6	.0	=1.5	=1.0	.6	=0.7	.9
1964	1.2	-1.7	.3	.3	1.1	=0.1	=0.8	=0.3	.4	=0.9	2.4	1.3
1965	-0.9	-3.1	-1.8	.8	-0.8	.3	=0.7	=1.3	2.7	=0.5	.6	.6
1966	1.2	.0	1.3	-0.2	1.1	=0.6	.6	1.5	.5	=0.3	1.5	1.4
1967	-0.7	-2.9	.5	.7	-0.3	.3	=1.4	-1.1	=0.4	1.2	.7	2.2
1968	1.0	.5	.2	-2.3	=0.1	-1.1	=1.2	=0.1	.3	.3	.5	=0.4
1969	-1.3	1.1	=0.1	.5	1.3	-1.2	=0.3	-1.4	=0.6	-1.3	-1.4	.6
1970	.6	-1.1	=0.1	.0	-1.1	=0.1	=1.4	-0.6	.2	1.2	1.2	2.0
1971	-1.3	-2.0	1.8	.8	.5	-2.2	=1.0	-1.4	.8	-1.3	=0.6	-1.0

POINT NO. 7 (I,J)=(17,19)

LAT. 25.08N LONG. 129.09W

TABLE A-22

SURFACE WIND SPEED

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
AVERAGE =	6.0	6.2	5.9	5.6	5.3	5.2	5.7	5.6	5.3	5.1	5.8	6.1

STANDARD DEVIATION OF MONTHLY MEANS

	.8	.9	.6	.8	.8	.7	.7	.8	.8	.6	.7	.8
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MONTHLY ANOMALIES

1946	-0.9	-0.5	.8	.7	-0.2	-0.6	1.0	-2.2	1.3	.1	1.3	-0.5
1947	.2	-0.5	-0.2	1.1	-1.5	.0	1.5	-1.1	.0	1.3	.8	0.7
1948	-0.3	2.1	.1	-1.2	.3	-0.9	0.2	.6	.6	.3	.6	2.1
1949	1.6	.9	.4	-0.8	-0.0	-0.8	0.5	-0.6	0.6	.8	.1	-0.1
1950	-0.0	-0.3	.1	-0.0	0.1	-0.2	0.5	-1.3	0.5	-1.0	-1.0	-1.0
1951	-0.5	-0.9	-0.8	-1.6	0.6	-0.8	0.2	.4	0.7	-0.3	0.2	-0.4
1952	-0.7	.8	.5	.2	-2.5	-0.3	0.8	.0	.3	.1	0.7	1.0
1953	-0.0	1.2	-0.5	-0.5	.0	-0.1	0.6	-1.2	-1.5	-0.3	0.6	1.9
1954	-0.9	-0.8	-0.9	-0.8	0.7	.7	.0	.1	1.3	-0.2	0.4	-0.3
1955	-0.0	.0	.2	.6	1.8	.7	.3	.2	1.3	.2	.1	-0.3
1956	-0.9	-0.0	.6	-0.4	0.1	1.0	1.1	.3	0.1	.6	.5	.5
1957	-0.2	-0.7	0.1	-0.5	-2.0	.2	.2	1.5	0.7	0.7	.6	.4
1958	-0.0	1.0	0.8	.3	-1.0	-0.9	1.2	-0.3	1.1	0.1	.1	-0.6
1959	.3	-0.4	.9	-0.1	.4	.7	.1	.7	.9	.1	.0	.8
1960	.3	-0.8	-0.8	-0.1	.4	-0.8	0.2	-0.1	0.1	-0.1	0.3	-0.8
1961	-0.5	1.1	-0.6	-0.1	.1	-0.6	0.5	.6	.0	.6	.7	.6
1962	.2	-0.3	-0.9	.9	.6	0.1	0.4	.6	0.2	0.7	0.1	-1.1
1963	.5	-0.2	.4	-0.1	-0.2	.9	.3	-0.5	.1	0.4	1.2	-0.0
1964	.9	1.0	1.3	1.5	.6	-0.1	.7	-0.7	.6	0.1	0.0	.4
1965	1.1	1.1	-0.4	.3	2.4	1.1	.9	.4	.7	.8	.4	.1
1966	1.0	.7	.6	-1.0	2.0	1.4	.6	1.4	1.3	1.5	1.2	.5
1967	-0.0	.3	0.0	.2	2.2	.6	.1	1.2	0.4	.8	0.9	.7
1968	1.0	-2.1	.2	1.3	.9	.4	.2	-0.0	0.1	.3	1.0	-0.8
1969	.8	-0.8	.8	.3	-0.7	.2	1.4	.3	0.1	0.1	0.6	0.7
1970	-1.4	-0.3	0.1	1.0	-0.1	-0.3	0.2	.4	0.6	-0.9	1.8	1.0
1971	-1.4	-1.0	0.6	-1.4	-1.1	-1.6	0.5	-0.8	1.1	.2	.2	.2

APPENDIX B
ZONAL ANOMALIES

Page 46

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POINT NO. 22 (I,J)=(23,39)

TABLE B-1

LAT. 49.86N LONG. 152.13E

RESULTANT ZONAL COMPONENT OF WIND VECTOR

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
RESULTANT=	-2.0	-2.2	-1.4	-2.1	-1.5	-0.2	-0.7	-0.8	-1.6	-4.2	-4.5	-3.1

STANDARD DEVIATION OF MONTHLY RESULTANTS

	2.2	2.4	2.0	1.7	1.5	1.0	1.5	1.5	1.8	1.8	1.9	2.3
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MONTHLY ANOMALIES

1946	-1.9	-1.3	-0.1	-1.2	2.2	-2.4	-1.8	-0.8	-0.1	-2.0	-0.8	2.6
1947	1.3	1.1	1.1	1.9	-3.7	-0.6	-2.2	.1	3.5	-0.6	5.5	.6
1948	.1	-0.7	-0.5	1.4	.7	.9	-1.4	-1.9	-1.5	-0.5	-2.1	-2.2
1949	-1.0	2.5	-2.5	3.8	.3	.4	-1.1	-0.2	-0.2	1.2	-1.3	-1.8
1950	1.5	.8	.5	-1.6	-0.6	-1.3	-2.8	-2.7	-0.7	-1.9	1.6	-0.7
1951	-1.7	-1.6	-2.2	1.0	-0.5	.7	-1.2	.7	3.1	-2.6	-1.2	-1.1
1952	-0.9	-0.6	-0.9	-2.0	-0.7	-1.0	.4	.9	-1.2	-0.7	-1.6	-4.4
1953	1.1	-2.9	1.3	.4	.8	-1.2	.9	-0.8	-0.6	-2.1	-0.2	-2.3
1954	-1.5	-0.1	-0.7	1.8	-2.2	-1.3	.2	-1.2	-2.4	3.1	-1.5	2.5
1955	-0.2	-0.0	-1.6	-0.5	.8	.8	-1.2	1.9	.9	2.8	1.5	1.2
1956	1.4	3.8	2.5	-2.0	-1.8	1.3	1.9	1.0	.2	-0.5	1.0	4.4
1957	-0.7	2.0	2.8	-0.9	.4	.8	2.4	-0.5	4.2	-0.1	-2.2	-0.3
1958	-0.7	1.7	-1.6	.1	-0.2	.3	.4	.4	1.2	-0.3	-2.9	.6
1959	-0.4	-2.0	2.9	-0.2	1.3	-0.5	2.6	3.2	1.1	.8	-0.8	-3.1
1960	-0.9	-2.3	-0.1	-0.5	.4	.6	-0.5	-1.0	-1.4	-0.6	2.0	-0.4
1961	-4.5	.8	2.0	-0.9	-0.7	.2	1.5	-0.4	-2.6	-0.7	-1.7	4.2
1962	1.9	-1.8	-3.9	1.1	1.0	-0.2	-1.4	-0.6	.1	-0.6	-2.3	-1.4
1963	5.6	4.3	1.6	-1.7	-2.8	-0.8	-1.8	1.6	.9	-0.2	1.4	-2.2
1964	-0.9	-1.2	-0.6	-3.9	-1.4	.5	1.0	-2.8	.5	-0.4	2.0	1.9
1965	.5	.3	1.6	3.2	-0.9	-0.5	1.9	-1.5	1.7	-0.3	-1.2	4.2
1966	.1	-2.7	4.0	.8	1.8	.4	-0.5	1.7	-2.7	5.9	1.1	-0.3
1967	-2.3	-5.1	-3.4	.5	.9	1.7	.1	.8	-0.1	-0.1	-0.5	2.9
1968	3.7	3.9	-0.5	-0.4	1.3	-0.1	.1	1.6	1.0	-2.0	2.7	-0.8
1969	-4.1	-2.7	-2.6	-1.3	-0.1	2.1	-0.3	.9	-2.5	2.0	.9	-2.0
1970	2.2	.3	1.3	-0.0	2.0	-0.3	.5	-1.9	-2.3	-1.1	.9	-0.3
1971	2.5	3.6	-0.3	1.3	1.5	-0.5	2.1	1.7	-0.1	1.3	-0.2	-1.7

POINT NO. 17 (I,J)=(21,41)

TABLE B-2

LAT. 41.03N LONG. 150.71E

RESULTANT ZONAL COMPONENT OF WIND VECTOR

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
RESULTANT=	-3.8	-3.3	-3.2	-2.6	-1.1	.6	.1	.0	.1	.6	-2.9	-3.8

STANDARD DEVIATION OF MONTHLY RESULTANTS

	1.7	1.6	1.7	2.1	2.1	1.8	1.5	1.1	1.6	1.6	1.7	1.6
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MONTHLY ANOMALIES

1946	-1.2	-0.8	-0.5	-2.0	.7	-3.3	.4	1.3	-2.1	-2.5	.2	.0
1947	1.2	-0.6	-1.9	-2.4	-1.4	1.9	-3.2	-1.8	2.1	1.0	-2.2	-1.8
1948	-1.1	-0.7	-2.3	.6	-0.2	-0.9	2.1	.5	-0.8	-0.5	-1.7	.2
1949	-0.6	1.5	-2.2	4.1	-1.6	2.7	-0.7	1.9	1.1	-1.1	-0.5	.1
1950	-1.5	.5	-0.7	6.8	-0.9	.5	-1.7	-0.3	.3	-0.3	3.0	1.7
1951	-1.0	2.1	-0.2	.7	-0.7	-0.7	1.7	-1.0	-2.4	-0.5	.9	1.0
1952	.1	1.1	4.6	-0.4	-1.3	-0.5	-0.4	-1.0	.5	.9	-0.3	2.4
1953	3.5	-0.4	1.6	-1.2	1.1	1.4	.0	-0.8	1.2	-0.1	-2.4	.5
1954	2.1	-0.4	.3	.2	-2.2	4.1	3.2	-1.0	-0.8	2.8	-1.0	.5
1955	.1	-2.0	.3	-1.8	3.3	-2.6	-2.6	-1.2	.1	-2.0	.7	1.0
1956	.8	.9	.1	-0.8	-2.1	.4	2.8	.5	-0.4	.6	.4	-1.2
1957	-1.1	1.9	-1.0	-1.8	.2	.3	.8	.5	-0.0	-3.0	-0.8	.2
1958	-1.1	1.5	-1.6	-3.2	-1.0	.5	.8	.8	1.0	.4	2.7	-1.1
1959	.0	-1.1	2.5	-2.3	.3	2.1	.1	-1.0	-0.9	-1.9	-0.4	-1.2
1960	-2.8	-1.3	.8	-1.1	4.0	.3	-0.0	-0.5	.0	2.6	3.4	-1.0
1961	1.0	-2.3	.2	-1.9	-3.4	-2.2	.1	2.1	-2.1	.3	2.6	1.7
1962	-0.0	-0.8	-0.9	1.6	-1.3	-1.9	-0.1	-1.4	1.4	-0.1	.7	1.4
1963	.5	.3	.5	-0.0	-3.3	-0.4	-0.1	1.6	-2.9	3.4	-0.1	-2.0
1964	.6	2.3	4.1	.8	3.7	.4	-0.5	1.4	-0.2	-0.6	.6	.6
1965	1.2	-3.8	-0.8	-0.0	-0.7	-0.3	1.7	.4	.5	.4	-3.0	.5
1966	-3.9	-0.9	-0.9	2.3	.9	.1	1.6	-0.1	-1.9	1.3	-1.4	-1.0
1967	-0.9	1.5	-0.1	-0.2	1.0	1.0	-2.4	.3	4.0	-1.2	-2.3	2.5
1968	-1.8	-0.3	-1.1	2.8	4.9	2.2	-1.0	.6	2.4	.8	.5	2.6
1969	1.0	1.8	1.5	1.9	-0.9	-3.3	-0.1	-2.0	-2.1	1.8	.6	-3.2
1970	.4	-2.0	-0.5	.0	-0.1	-1.2	.4	.5	.4	-2.0	1.3	-2.3
1971	4.3	2.1	-1.7	-1.9	.7	-0.5	.2	-0.4	1.6	-0.8	-1.6	-2.4

POINT NO. 9 (I,J)=(17,45)

TABLE B-3

LAT. 25.08N LONG. 149.09E

RESULTANT ZONAL COMPONENT OF WIND VECTOR

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
RESULTANT=	-0.1	.2	1.4	3.1	2.0	.7	2.1	2.4	3.0	3.4	3.3	2.5

STANDARD DEVIATION OF MONTHLY RESULTANTS

	1.8	1.6	1.7	1.4	1.2	1.5	1.5	1.6	1.4	1.3	1.3	1.7
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MONTHLY ANOMALIES

1946	4.6	2.4	2.0	.9	=1.2	1.2	-0.1	2.3	.8	1.9	1.6	-0.9
1947	.7	-0.6	.1	-0.1	-1.3	-1.8	.9	.6	-4.0	-0.2	-1.7	.6
1948	2.0	.4	.9	.8	.6	1.8	-0.9	1.0	1.6	.6	2.2	2.4
1949	.5	-3.4	-2.6	-2.9	.4	-3.0	.9	-3.0	.5	-1.8	.5	-2.7
1950	-0.8	-0.7	.4	-2.3	1.6	1.3	2.0	-0.8	1.1	-2.0	-2.0	.2
1951	1.0	1.2	2.1	.4	-1.0	-0.5	-0.2	.4	-2.3	-0.3	-1.7	1.2
1952	2.1	-0.7	-1.7	.2	-0.5	2.0	1.2	.2	-0.2	-0.0	-0.7	.2
1953	-1.4	1.0	1.5	-0.2	.5	.9	-0.5	2.2	-0.6	-1.0	.2	3.5
1954	.4	2.2	2.1	-0.2	-0.5	-1.5	-2.6	1.1	3.3	-3.2	-2.6	-0.1
1955	1.6	2.2	2.7	.4	-2.0	-0.1	1.4	-1.9	.3	1.3	-0.3	-2.1
1956	-0.9	-1.0	2.1	-1.0	.1	-0.0	-2.3	-2.3	-0.4	.5	-0.8	-2.1
1957	1.5	.6	-3.1	-0.5	.2	-2.1	-2.6	1.7	-1.0	.3	1.0	-0.8
1958	1.0	-1.1	-1.4	-0.6	-1.1	-0.4	-0.3	-0.7	-0.9	1.1	-1.4	.6
1959	-0.8	1.9	-0.7	.6	-1.5	-1.3	-1.0	-1.6	.3	-1.3	-0.7	1.2
1960	-0.2	.8	-1.1	-0.5	-0.1	.7	-1.5	4.0	.9	1.1	1.0	-1.4
1961	1.1	-3.0	.5	1.0	1.7	1.8	1.0	-0.4	1.4	1.9	.9	-3.0
1962	-2.5	-0.8	-0.6	-0.3	-0.2	1.3	-0.5	2.1	-0.3	2.5	.2	.2
1963	-4.6	-2.6	-0.3	3.0	2.5	2.5	1.4	-0.8	-1.5	-0.9	-0.7	2.1
1964	.6	-1.5	-1.2	3.2	2.0	.7	.3	-1.5	-0.3	-0.4	.2	1.1
1965	-0.3	-0.2	-2.4	-1.6	.6	-1.1	-1.9	-1.1	.9	-0.6	.2	-0.4
1966	-2.3	2.3	-2.3	-1.2	-0.2	-0.9	1.7	.5	-0.0	-0.0	1.3	-2.4
1967	.9	1.4	2.4	.4	-0.6	-1.7	3.9	-1.9	1.4	.4	1.6	-0.1
1968	-1.4	-0.9	.7	2.5	-1.1	-0.2	.3	.9	.2	-0.5	2.0	-0.4
1969	.8	.9	.6	-0.5	-1.1	1.6	1.2	-1.1	.1	-1.2	1.6	1.8
1970	-1.0	.2	-1.9	-1.2	1.4	.9	1.6	1.1	-0.6	1.0	-1.6	-0.9
1971	-2.7	-1.0	1.2	-0.3	.9	-2.0	-0.1	-1.3	-0.5	.7	-0.2	2.3

POINT NO. 21 (I,J)=(23,35)

TABLE B-4

LAT. 56.18N LONG. 171.57E

RESULTANT ZONAL COMPONENT OF WIND VECTOR

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
RESULTANT=	4.2	5.3	3.9	1.4	1.1	.5	-0.7	-0.9	-0.2	-1.3	.4	2.9

STANDARD DEVIATION OF MONTHLY RESULTANTS

	2.4	2.8	2.0	2.2	1.7	1.3	1.2	1.5	1.8	2.7	2.7	2.7
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MONTHLY ANOMALIES

1946	1.9	.5	1.1	-0.8	-1.8	-1.1	-1.5	-0.6	.6	-2.6	-3.5	3.3
1947	-1.8	1.5	1.6	2.5	.4	.5	-1.6	1.1	1.6	-1.3	6.0	3.6
1948	.4	2.2	-2.5	-0.3	-0.5	-0.6	-0.6	2.0	-0.2	1.0	3.8	-0.5
1949	-1.5	-2.2	1.2	.1	.3	-0.4	-0.9	-2.9	-1.4	.6	-1.2	1.0
1950	-0.9	1.6	1.1	-3.2	-0.5	-2.5	-1.9	.4	-2.4	-1.3	-1.8	-0.7
1951	2.5	-2.1	.3	2.2	2.2	-1.2	.2	-0.4	1.8	5.3	.6	-2.8
1952	-2.8	1.0	2.0	-1.0	1.2	1.8	.8	-0.1	2.2	-2.0	1.2	.1
1953	4.0	.3	.3	5.0	.5	3.2	.5	-1.1	-2.2	2.1	3.9	-0.3
1954	-0.7	1.9	-2.4	-1.1	3.2	.2	-0.3	-0.7	1.8	4.0	2.9	3.7
1955	1.7	4.4	-2.4	1.6	-0.1	-0.6	.1	-2.1	-2.7	1.1	2.4	-1.7
1956	-2.0	1.7	.6	.5	.4	.3	.9	.5	.8	-4.9	1.4	4.5
1957	-1.2	2.0	3.1	-0.9	1.5	.8	-1.6	1.0	1.0	3.4	1.1	-1.2
1958	2.7	1.3	-1.2	1.1	2.5	-1.5	.1	-1.1	.5	-0.4	-3.1	2.9
1959	.5	-5.0	.9	.2	.8	-1.0	-2.3	1.1	1.1	6.3	1.4	.7
1960	2.8	-3.6	2.6	3.4	-1.5	.4	1.1	.6	-0.9	-0.5	-2.2	-1.5
1961	3.0	1.5	-0.0	-0.8	3.2	-0.2	.7	-0.6	-2.7	-1.9	-2.8	5.3
1962	.1	-3.0	.2	-4.1	-1.1	.6	-0.4	2.6	-2.4	-0.2	-0.7	-1.2
1963	3.2	-0.0	-2.5	-2.0	-0.5	-0.8	.0	-2.4	3.1	-1.8	2.3	-3.4
1964	-3.0	1.2	.5	-2.6	-4.6	2.5	2.3	-0.9	-2.0	-2.0	1.2	-1.2
1965	-1.1	6.7	.8	-0.9	1.1	-0.6	.4	.9	.3	.6	-4.1	-4.1
1966	-2.4	-6.0	-2.6	4.3	-0.4	-0.7	-0.1	-1.3	.8	2.3	-3.3	4.3
1967	-3.5	-2.7	-3.6	-2.3	.3	-1.4	1.6	.2	-3.2	1.1	-0.3	-1.8
1968	-1.4	1.1	-4.8	-3.0	-0.5	-0.2	-0.1	-0.2	.9	-2.9	-1.0	-3.6
1969	-3.5	-2.4	1.0	.3	-2.1	.7	1.3	3.2	-0.1	-0.3	.6	-1.9
1970	4.7	-1.1	2.4	.8	-1.4	-0.3	-1.2	-0.8	3.0	-2.5	-5.0	-1.1
1971	-1.7	-0.7	2.2	1.1	-2.5	2.2	2.4	1.9	1.0	-3.1	.1	-2.4

POINT NO. 16 (I,J)=(21,36)

TABLE B-5

LAT. 48.88N LONG. 170.02E

RESULTANT ZONAL COMPONENT OF WIND VECTOR

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
RESULTANT=	-1.8	-1.9	-2.1	-3.7	-3.3	-0.9	-2.1	-1.9	-2.6	-5.7	-5.8	-3.4

STANDARD DEVIATION OF MONTHLY RESULTANTS

	3.9	3.7	3.2	3.1	2.5	1.6	1.8	2.0	2.0	1.9	2.5	3.5
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MONTHLY ANOMALIES

1946	-6.0	-2.4	-1.8	-4.4	1.7	-3.5	-1.9	-1.1	1.5	-3.3	3.1	4.7
1947	6.7	2.5	3.6	-0.6	-3.4	-1.0	-2.6	3.0	3.2	-2.8	1.3	-0.2
1948	-4.8	4.3	.2	6.4	2.2	-0.9	-2.1	-1.8	-1.2	-3.1	-2.4	-3.3
1949	-6.1	1.0	-2.3	4.9	1.0	.8	-1.1	-1.4	-1.8	1.9	-3.4	-0.2
1950	5.2	2.1	-1.3	.7	.2	-2.2	-3.4	-1.7	-1.4	-1.6	5.5	-4.6
1951	-0.4	-1.5	.4	3.2	0.3	.1	-1.3	1.7	4.6	-1.9	-2.8	1.0
1952	-1.2	-1.2	.6	-2.5	-0.6	-2.8	-2.7	1.3	1.7	-1.3	-4.2	-1.7
1953	2.6	-1.0	-1.1	-2.2	-1.4	1.8	2.9	-1.0	-0.6	.7	-2.4	-1.2
1954	2.7	2.0	-2.2	4.5	-6.0	1.8	.2	-2.1	-4.2	.6	-0.0	.0
1955	-4.5	-0.7	-3.1	-2.1	-0.6	.5	-1.2	-0.5	-0.0	1.8	1.3	2.8
1956	4.5	1.4	-0.8	-3.5	-4.3	-1.0	1.8	.2	-1.8	0.0	1.8	4.9
1957	1.0	.9	1.4	-3.9	.3	.6	1.5	-1.0	3.1	-1.0	-1.9	-3.4
1958	-1.3	1.9	-5.0	-1.3	-1.8	-0.6	.6	.5	-1.2	-1.3	-2.9	.1
1959	-0.3	-4.3	7.8	-3.3	1.2	.9	1.8	3.5	1.0	2.4	-0.7	-3.9
1960	-4.1	-3.5	1.9	-1.1	-0.0	.8	-0.3	-2.4	-0.9	-1.0	1.7	-4.3
1961	-5.5	2.9	4.5	-2.7	-3.9	-0.9	2.2	-1.9	-2.9	.0	-0.5	11.5
1962	4.6	-2.5	-3.1	3.9	2.7	-0.9	1.1	-0.3	.7	1.7	-3.7	4.0
1963	3.8	8.7	2.1	.7	-2.5	-1.8	-0.4	2.1	.2	1.6	2.4	-0.5
1964	-2.5	.8	-0.3	-4.2	.6	.6	2.0	-3.0	-1.9	-0.9	3.9	2.6
1965	1.5	-2.2	3.3	4.0	.5	-0.2	1.1	-0.1	1.2	-0.2	-8.7	1.3
1966	-3.0	-7.9	7.1	1.3	1.0	.2	1.7	-1.2	-1.9	4.4	2.3	1.4
1967	-3.1	-3.5	-2.5	-0.5	3.7	3.6	-1.4	.6	.4	1.2	1.7	-2.1
1968	4.4	7.6	-2.1	3.4	4.4	2.0	-0.1	4.2	2.8	-1.8	-0.4	-0.1
1969	-2.7	-5.0	-4.3	-3.1	.1	1.6	1.5	3.1	-0.0	2.4	-0.5	-2.8
1970	3.0	-2.8	-0.1	1.6	3.0	2.2	-1.6	-2.0	.3	-0.4	2.7	-3.2
1971	5.5	2.4	-2.8	.8	2.3	-1.5	1.7	1.4	-0.8	2.1	.7	-2.5

POINT NO. 11 (I,J)=(18,37)

TABLE B-6

LAT. 39.05N LONG. 170.35E

RESULTANT ZONAL COMPONENT OF WIND VECTOR

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
RESULTANT=	-6.1	-6.4	-5.6	-3.9	-2.7	-2.0	-1.9	-1.3	-1.2	-1.2	-3.7	-5.5

STANDARD DEVIATION OF MONTHLY RESULTANTS

	2.4	1.7	1.9	2.8	2.5	1.5	1.7	1.3	1.6	2.4	2.2	2.5
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MONTHLY ANOMALIES

1946	-4.9	-1.4	-1.9	-1.9	3.1	-1.8	1.0	2.6	1.0	-1.3	1.4	-0.6
1947	2.3	1.0	-1.5	-2.2	-2.1	.4	-0.5	-1.6	-0.7	2.4	-3.2	-0.6
1948	.3	2.0	4.0	2.5	3.7	-1.0	.3	-0.1	1.1	-0.7	-2.0	.8
1949	.3	3.2	-3.3	-1.6	-2.5	3.4	-1.2	-0.3	-2.1	-1.8	-2.2	-1.7
1950	3.1	2.9	-1.8	2.3	-1.1	.9	-0.7	-1.6	-1.6	.0	5.5	2.3
1951	-0.5	-0.1	1.0	-4.9	-1.6	-0.2	1.7	-0.9	-1.5	-3.8	.3	.7
1952	-0.1	-2.2	.9	-0.9	-1.2	.1	1.1	2.1	-0.2	.8	-0.8	-1.0
1953	-0.0	-1.6	-0.2	-3.1	-0.0	-1.3	-0.5	-1.5	4.5	-1.4	-3.9	-3.8
1954	3.0	-1.4	1.6	1.5	-0.7	-2.1	.2	-1.7	-0.2	.2	-1.5	3.4
1955	-5.1	1.0	1.2	-0.5	-0.4	-0.6	-1.5	3.5	-0.4	-1.6	2.4	6.4
1956	4.7	.9	-2.8	-1.5	-1.9	1.6	.3	.8	-0.8	6.2	-1.1	.3
1957	-0.8	.6	-1.7	-0.9	-1.9	-0.8	3.1	-0.2	-2.5	-1.9	-1.1	1.4
1958	-2.8	-0.9	1.0	-3.8	-2.6	-0.9	-2.7	.5	1.6	.9	2.4	-3.3
1959	1.1	1.4	-2.3	.9	-0.2	.7	4.4	1.1	-0.0	-4.9	-2.4	-0.1
1960	-1.3	-0.3	1.6	1.6	2.4	-1.0	-1.9	-1.5	1.1	-0.0	-0.5	-1.3
1961	.1	1.8	-0.6	1.2	-3.1	1.4	-0.1	.2	.7	1.2	1.3	-0.6
1962	3.6	-0.8	-1.0	9.7	-0.4	.6	1.8	-1.4	1.6	-2.4	1.0	.6
1963	-1.4	-1.2	1.0	1.6	-0.5	1.5	.6	.0	-2.7	4.5	.8	-4.1
1964	-1.5	-0.1	1.1	-0.2	6.9	-1.0	-1.5	-0.3	-0.4	2.7	2.0	1.6
1965	-0.3	-2.3	-0.4	2.2	-3.2	.1	2.3	.1	-0.5	.1	-0.5	.5
1966	-3.1	-0.2	4.2	-2.3	2.1	-0.7	-1.8	2.0	-1.1	1.4	2.9	-2.8
1967	-1.7	-2.2	-0.1	2.9	4.6	1.3	.8	-0.0	.6	-2.9	-1.8	.5
1968	2.7	1.1	2.5	.4	2.8	2.8	-1.9	-1.0	2.3	-0.6	-2.0	5.1
1969	1.0	-0.0	.4	-0.9	-2.0	-3.7	-0.1	-0.5	.9	1.4	.1	-2.9
1970	-1.1	-3.3	-2.8	-1.9	.1	-0.8	-0.4	-0.5	1.0	1.7	3.1	.4
1971	2.4	2.2	-0.0	-0.1	-0.1	1.0	-2.6	.5	-1.3	-0.3	-0.1	-1.0

POINT NO. 6 (I,J)=(16,38)

TABLE B-7

LAT. 32.59N LONG. 169.44E

RESULTANT ZONAL COMPONENT OF WIND VECTOR

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
RESULTANTS	-5.6	-6.2	-3.3	-0.4	-0.5	-1.6	1.0	1.0	.8	1.2	-1.0	-3.5

STANDARD DEVIATION OF MONTHLY RESULTANTS

	1.8	2.9	2.5	2.1	1.4	1.1	1.1	1.5	1.6	2.0	1.8	2.8
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MONTHLY ANOMALIES

1946	2.2	.6	.5	.8	-3.4	-0.4	1.3	3.7	1.3	1.8	-0.3	-0.1
1947	-0.5	-3.7	-3.7	-2.8	-1.3	-0.7	-0.9	-2.7	.1	1.5	-6.0	.2
1948	.8	.6	1.3	.2	2.2	-0.5	-0.6	.3	.4	1.6	-0.3	2.9
1949	1.1	1.0	-4.1	-3.4	-0.9	-0.8	1.4	.2	.7	-2.6	.5	-2.4
1950	1.5	-1.1	-1.1	1.0	.3	1.9	1.3	-1.8	-1.0	-2.1	4.3	3.3
1951	-1.8	4.0	1.6	-5.1	-2.8	.1	-1.5	-1.6	-2.2	-3.4	.3	-0.0
1952	1.3	-1.5	-1.2	-1.0	-0.2	-1.8	.4	-1.2	-0.4	.3	.4	-2.9
1953	-2.7	-3.6	1.9	-2.3	-0.2	-0.0	-0.9	-0.1	-0.4	-2.7	-2.0	.3
1954	.8	-1.5	2.9	-0.4	.8	.9	.1	-0.4	.4	-2.0	-0.9	2.6
1955	-0.6	3.9	4.7	1.2	-0.6	-1.0	-1.1	2.5	-0.1	.3	.1	1.2
1956	3.5	2.2	.9	.5	.5	.3	.7	-0.4	-2.5	2.6	-0.3	-4.3
1957	-0.8	1.1	-2.5	1.6	-2.4	-1.8	1.5	-0.3	-2.5	-1.8	-2.2	3.9
1958	-1.1	-2.7	2.3	-1.8	-0.4	-2.1	-0.8	.4	-0.7	2.4	1.9	-1.0
1959	-0.3	2.6	-3.1	1.1	-0.1	.1	1.2	-0.8	-2.4	-2.7	.4	2.8
1960	.2	1.9	3.4	-0.7	.7	-0.2	1.6	.1	2.5	1.6	-1.3	-0.9
1961	-2.2	-2.6	-2.6	3.1	.5	2.5	-1.4	.9	2.1	3.0	.2	-6.2
1962	-1.1	-2.6	.8	2.9	.5	1.5	-0.8	-1.4	1.2	-1.1	-1.6	-1.1
1963	-3.5	-3.6	1.6	1.0	1.0	.7	.6	-0.5	-0.6	1.2	.6	-2.7
1964	-0.2	-0.8	.5	3.0	1.9	.3	-1.5	1.5	-0.9	1.7	.4	-2.5
1965	-0.7	1.8	-2.9	-1.8	-0.4	-0.6	-2.0	-0.2	-0.7	2.2	3.1	1.9
1966	-2.0	6.2	-2.4	-2.3	.8	.8	-0.1	.5	1.1	.8	.7	-0.8
1967	1.4	1.2	2.6	2.5	1.1	-1.2	1.4	.1	1.4	-2.8	.3	-0.1
1968	-0.8	-5.2	1.0	2.6	2.6	1.5	.0	-2.2	3.9	.2	-0.3	7.0
1969	2.6	4.6	.3	-1.6	-1.5	-0.8	-1.4	-0.7	-1.7	-1.6	.9	-2.5
1970	-1.3	-2.5	-4.2	.3	1.0	.3	1.4	3.5	.5	1.7	1.1	.5
1971	4.3	-0.3	1.4	1.2	.3	1.1	-0.5	.6	.6	.2	-0.2	.9

POINT NO. 3 (I,J)=(13,39)

LAT. 24.04N LONG. 169.78E

TABLE B-8

RESULTANT ZONAL COMPONENT OF WIND VECTOR

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
RESULTANT=	.8	1.4	3.7	5.3	4.5	2.6	4.7	3.7	3.9	4.9	4.1	2.8

STANDARD DEVIATION OF MONTHLY RESULTANTS

	2.1	2.4	1.7	1.5	1.3	1.1	.9	1.0	1.2	1.2	1.2	2.1
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MONTHLY ANOMALIES

1946	1.6	2.0	.8	2.1	-0.3	1.6	-0.8	.0	-2.6	.9	1.4	.7
1947	1.0	-5.6	-0.7	1.3	.8	-1.4	-1.0	-0.8	.9	-1.1	-1.7	1.4
1948	3.5	-0.3	.2	-2.5	-1.5	1.2	.6	.1	.2	.3	1.5	1.7
1949	1.6	-0.7	-2.0	-0.8	.9	-3.1	.8	.3	.3	-1.5	.7	-0.8
1950	-1.5	1.2	-1.5	-0.3	1.5	.0	1.0	-1.8	1.3	.1	-1.5	2.9
1951	1.1	.8	2.4	-0.4	-0.7	1.5	-1.4	-0.9	-0.8	-1.3	-1.7	1.0
1952	3.6	1.7	-1.1	.6	1.3	-0.9	-0.2	-1.8	-0.7	2.8	-0.3	.7
1953	-3.7	1.6	2.4	-1.3	-1.7	-0.2	.2	1.0	-1.6	-0.2	.7	3.1
1954	1.6	1.1	1.2	.2	.9	-0.3	.3	.9	.5	-1.3	-1.8	.3
1955	2.6	2.2	3.2	1.0	.5	-0.4	-0.8	-0.4	2.0	1.0	.2	-3.8
1956	-2.1	-0.5	2.5	.9	2.0	-0.4	.0	.6	-1.4	-2.2	1.2	-4.7
1957	-0.1	.8	-2.2	.1	-2.2	-1.6	-1.0	-0.5	.4	.6	1.0	2.7
1958	-1.8	-2.5	.3	.3	-0.1	.8	1.4	1.7	-1.0	1.1	1.0	-0.5
1959	-0.3	3.5	-1.3	.4	-0.6	-0.2	-1.2	-0.5	-1.5	-0.7	-0.1	1.8
1960	-1.3	1.5	-2.3	.2	-1.8	.9	1.0	-0.3	.1	.4	.7	.5
1961	.6	-0.2	.0	1.9	1.5	1.1	-0.7	.2	.2	-0.9	.7	-3.7
1962	-1.1	-0.5	1.0	-3.4	-0.4	.2	.2	.6	1.2	1.4	1.3	-1.5
1963	-6.0	-3.3	-0.6	.3	1.6	.9	-0.1	.8	1.0	-0.9	-0.1	.4
1964	1.4	-0.9	-0.3	3.5	-0.3	.3	.8	1.9	1.1	.9	-0.4	-2.2
1965	.5	1.8	-3.0	-2.5	1.7	-0.1	-1.3	-0.6	-0.2	2.0	1.3	.7
1966	-0.7	3.5	-1.6	-0.9	-1.0	-1.0	.3	1.1	-1.1	-1.0	-1.0	-2.6
1967	2.0	.2	1.6	-1.9	.2	-0.0	.2	.3	1.5	.7	-0.4	-0.3
1968	-2.0	-6.2	1.9	.6	-2.8	-0.6	1.9	.3	-0.8	.8	-0.2	-1.6
1969	1.3	2.1	.6	.4	.2	1.6	-0.4	-1.8	-0.3	-1.5	.2	1.9
1970	-1.3	-0.5	-2.8	.0	1.5	.2	.7	.7	-0.8	-0.6	-3.0	.2
1971	-0.6	-2.9	1.1	.5	-1.4	-0.1	-0.4	-1.2	2.0	.2	.4	1.7

POINT NO. 20 (I,J)=(23,32)

LAT. 57.82N LONG. 170.00W

TABLE B-9

RESULTANT ZONAL COMPONENT OF WIND VECTOR

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
RESULTANT=	4.0	4.0	2.7	.9	1.7	.8	-0.8	-1.7	-0.4	-1.2	1.4	2.4

STANDARD DEVIATION OF MONTHLY RESULTANTS

	2.7	2.1	1.7	2.3	1.7	1.7	1.2	1.4	1.8	2.5	2.4	2.2
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MONTHLY ANOMALIES

1946	.3	1.8	.3	-1.3	-0.2	-0.1	.3	-0.1	1.2	-2.9	-0.6	-0.2
1947	-3.4	3.3	2.1	3.6	1.9	1.2	-1.8	1.5	-0.3	-1.6	5.4	-1.2
1948	1.0	.2	-3.7	-2.8	-1.0	2.8	-1.1	1.3	-2.6	-1.1	1.0	-4.0
1949	-3.4	-2.3	1.4	.3	.3	-0.6	-0.8	-1.5	.2	.2	-2.0	.3
1950	-1.8	.4	2.6	-2.1	-1.6	-2.8	.2	1.5	-0.1	-0.5	-4.2	-1.9
1951	.9	-0.8	-0.3	3.1	1.8	2.0	-0.3	-0.3	-1.2	3.9	-1.5	-3.1
1952	-3.2	-0.7	-0.7	-0.2	-0.8	1.6	1.4	1.2	-0.9	2.3	.7	-1.7
1953	5.0	.6	.2	3.1	2.6	-0.2	.8	-1.8	-2.8	1.8	1.3	2.4
1954	-0.6	1.6	-2.7	-0.7	3.1	-0.5	-0.9	-0.0	1.0	1.7	.0	-2.1
1955	1.8	1.8	-1.9	-2.3	-0.4	-2.1	-0.1	-3.1	-2.2	-1.7	2.2	-1.9
1956	-2.7	-0.7	-0.3	2.5	.6	-0.2	.3	-0.1	2.3	-5.3	2.1	3.6
1957	1.2	.3	1.2	.4	2.1	-0.2	-0.0	1.3	2.2	3.6	-1.0	-3.1
1958	.5	1.1	-2.1	1.9	2.6	3.1	1.0	-2.1	-0.9	1.7	-0.3	2.8
1959	2.2	-4.5	-0.9	-0.5	-0.4	-1.4	-2.4	-0.3	1.3	5.2	4.0	1.4
1960	2.6	.1	1.0	.9	-1.6	-0.8	.1	.5	.3	-0.7	-0.2	.2
1961	3.6	.9	-0.1	-1.7	2.4	-2.9	-1.1	1.6	-3.8	-1.0	-2.0	3.6
1962	-1.7	1.2	1.1	-4.1	-2.2	-2.8	1.0	.9	-3.2	.4	1.7	2.1
1963	5.0	-0.0	-1.8	-1.5	-1.2	-0.5	-1.0	-1.6	1.6	-1.5	2.4	1.3
1964	-0.5	.3	.8	-2.1	-2.6	1.3	2.1	1.4	.1	-1.5	-1.4	.9
1965	1.6	1.6	1.7	-1.3	-0.8	1.5	1.2	1.9	1.5	1.0	-4.5	.2
1966	3.4	-5.2	-0.6	6.0	-0.9	1.8	.1	-1.0	.7	-2.8	-2.4	4.2
1967	-4.0	-2.4	-2.1	-3.4	-1.3	1.8	-1.9	.0	1.1	2.6	.3	-0.8
1968	-3.7	3.8	-1.1	1.0	-0.4	-0.9	2.2	1.8	-0.4	-1.7	2.6	-0.7
1969	-3.4	-2.5	1.1	1.4	1.3	1.0	-0.5	-1.6	2.5	1.7	1.1	.6
1970	.9	1.4	2.6	-0.2	-1.0	-0.1	-0.3	-1.3	2.2	1.2	-4.6	-0.1
1971	-1.6	-1.1	2.2	.0	-2.2	-1.9	1.5	.1	.3	-5.1	-0.0	-2.5

FOINT NO. 15 (I,J)=(21,32)

TABLE B-10

LAT. 51.16N LONG. 170.00W

RESULTANT ZONAL COMPONENT OF WIND VECTOR

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
RESULTANT=	1.0	.3	-1.1	-3.2	-2.7	-0.9	-2.7	-3.1	-3.3	-5.3	-4.3	-1.9

STANDARD DEVIATION OF MONTHLY RESULTANTS

	3.9	3.1	2.7	2.7	1.8	1.7	1.3	1.8	2.2	3.1	2.8	3.4
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MONTHLY ANOMALIES

1946	-7.9	-4.3	-3.4	-6.5	-0.5	-1.9	-0.3	-1.1	-0.2	-4.2	1.7	.5
1947	-0.7	1.8	4.2	1.1	-2.9	-2.2	-2.0	3.2	2.4	-4.8	2.2	-2.3
1948	-6.5	3.6	-2.5	6.5	-0.2	-1.8	-2.3	.2	-1.8	-3.3	1.0	-3.6
1949	-3.0	.8	-1.2	.8	1.5	1.1	.1	-2.4	-2.0	1.7	-4.3	1.4
1950	3.9	1.2	-0.8	-2.0	-1.6	-1.1	-1.4	3.1	-3.5	-2.1	5.3	-3.4
1951	1.0	-5.3	1.4	1.9	4.1	.1	1.5	.9	2.3	2.3	-0.3	.1
1952	-2.2	-1.4	-3.1	-1.2	-1.0	-2.1	.0	-1.1	5.1	-2.4	-4.9	-4.3
1953	4.5	1.0	-3.8	1.6	-2.2	2.7	1.9	-2.8	-2.6	1.7	-2.7	-2.8
1954	4.0	4.5	-1.0	3.2	-1.2	2.7	-1.3	.9	1.3	1.6	.3	-0.0
1955	-7.2	-0.9	-2.0	-1.4	-2.9	-2.2	-1.0	-2.8	-1.2	-0.9	5.3	1.2
1956	-0.8	-0.3	-2.0	-1.8	-2.6	-1.0	-0.6	-1.2	1.2	-2.8	4.3	7.5
1957	1.4	4.9	.3	-2.0	2.8	3.1	.8	1.8	3.9	4.3	-1.5	-4.8
1958	1.4	2.6	-3.1	1.7	-0.9	-1.3	-0.7	-2.2	.4	-3.5	-3.9	4.1
1959	1.5	-3.5	7.8	-1.0	1.5	.7	.0	.9	.3	7.5	1.4	-2.2
1960	-3.1	-2.5	2.4	2.0	1.1	1.9	.6	-0.7	-0.7	-1.2	-1.1	-2.7
1961	1.6	.1	2.0	.3	-0.9	.6	1.8	-1.5	-0.7	-0.5	-3.9	7.8
1962	2.6	2.8	-1.2	-1.4	.2	-0.8	.5	-0.2	-0.6	-0.6	-3.1	4.5
1963	7.6	1.5	-1.7	-0.7	-0.5	-1.3	.5	3.1	-1.1	-2.1	3.2	1.1
1964	-5.4	-1.9	.5	-2.7	.9	2.0	-0.9	-2.2	-1.8	-2.5	1.5	4.5
1965	.1	.6	4.1	2.5	.0	-2.0	-0.5	1.4	1.9	-0.3	-0.9	-2.8
1966	-2.8	-6.0	1.1	4.8	-2.1	1.6	2.5	.6	-1.2	5.3	1.4	1.7
1967	-0.1	-2.4	1.7	1.5	3.3	.9	-1.6	-0.5	-3.5	2.6	.3	1.5
1968	2.7	4.7	.7	-3.1	2.2	2.6	1.2	2.6	.6	-2.1	-1.4	-0.1
1969	-1.8	-4.7	-2.1	-2.4	.8	.2	1.5	.6	-2.6	4.7	-0.9	-1.1
1970	6.0	.6	2.7	-0.4	.8	-1.6	-1.4	-0.4	3.7	-0.2	.7	-2.6
1971	3.2	2.7	-1.1	-1.4	.4	-0.8	1.0	-0.0	.6	2.0	.5	-3.3

POINT NO. 12 (I,J)=(19,32)

TABLE B-11

LAT. 44.77N LONG. 170.00W

RESULTANT ZONAL COMPONENT OF WIND VECTOR

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
RESULTANT=	-1.8	-3.8	-4.2	-4.6	-4.9	-2.7	-3.3	-2.9	-4.1	-5.5	-5.6	-4.2

STANDARD DEVIATION OF MONTHLY RESULTANTS

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
	4.7	3.2	2.7	3.2	2.2	1.8	1.7	1.5	1.6	2.2	3.7	3.8

MONTHLY ANOMALIES

1946	-5.7	-3.9	-2.4	-4.4	.9	-0.9	-0.6	-0.6	-0.8	1.3	5.8	4.2
1947	5.1	.1	3.1	-2.0	-2.3	-2.0	-1.7	1.4	.0	-0.9	-0.8	-4.2
1948	-4.6	3.1	2.4	10.1	.8	-1.1	-1.6	1.5	1.0	-0.9	-2.8	-1.5
1949	.2	2.4	-1.5	-1.3	2.3	2.6	-1.9	-0.8	-1.6	-0.6	-4.1	.9
1950	9.1	2.2	-4.1	1.8	-1.1	.5	-1.0	.0	-1.4	.8	8.3	-1.7
1951	-0.1	.8	3.2	-2.1	-2.1	-2.1	.2	.7	2.3	1.5	.7	3.1
1952	-1.4	-1.7	-0.3	-2.1	-0.6	-0.2	.0	1.5	.7	-4.2	-4.3	-1.9
1953	-0.7	-7.4	-2.7	-2.2	1.0	2.8	-0.2	.8	2.2	.6	-4.7	-5.3
1954	3.7	.4	.7	5.0	-1.1	-3.9	-0.6	1.9	2.1	-2.4	-0.8	1.1
1955	-10.2	2.0	.8	-1.0	-2.7	2.0	-0.3	-0.2	-0.2	-1.5	.7	5.8
1956	2.6	1.9	-0.8	-1.3	-5.0	-1.2	.4	-1.6	1.0	4.1	.4	5.3
1957	2.6	3.9	-1.2	-1.9	.4	.5	1.7	1.9	-2.1	.8	-3.4	-4.1
1958	-3.6	.2	-0.5	-2.5	-2.9	-1.6	-2.0	-0.1	1.4	-1.6	-0.8	-1.7
1959	-2.3	-0.7	1.1	1.2	1.3	3.2	1.5	2.0	1.0	.7	-2.5	-4.7
1960	-4.8	-2.7	1.0	-2.0	-0.2	1.1	.8	.3	-0.8	-0.7	-0.9	-2.1
1961	-6.4	-0.1	2.8	2.5	-2.4	1.1	2.0	-2.3	2.8	3.0	-0.3	3.2
1962	5.9	1.6	-2.3	3.1	2.7	2.6	.5	-0.3	-0.5	.4	-4.7	3.7
1963	4.9	6.5	3.5	1.6	-0.9	-2.7	1.4	1.0	-2.3	-1.5	1.2	-2.0
1964	-5.6	-2.9	-1.2	-0.6	5.1	1.5	-2.7	-1.5	-1.2	1.0	5.5	9.4
1965	.1	-1.9	.3	4.1	1.8	-2.0	1.6	1.8	2.6	-1.2	2.3	-0.3
1966	-4.4	-1.1	3.4	.5	2.6	-0.1	-0.1	-3.5	-0.8	3.6	7.7	.5
1967	-1.0	-1.2	7.2	3.2	2.3	-0.4	4.3	-2.4	-4.1	-2.1	-2.1	.3
1968	7.3	5.4	-3.2	-3.0	2.4	.8	-1.1	-0.9	-0.1	-1.0	-4.3	.9
1969	2.1	-5.4	-3.3	-2.6	-0.8	-0.6	1.2	2.0	-0.8	-3.9	-1.6	-7.7
1970	2.6	-3.8	-2.4	-2.6	.1	-0.0	-3.5	-1.9	-0.8	.1	4.5	-8.9
1971	4.5	2.5	-3.6	-1.5	-1.5	.1	1.7	-0.6	.5	4.8	.8	-0.4

POINT NO. 8 (I,J)=(17,32)

LAT. 38.65N LONG. 170.00W

TABLE B-12

RESULTANT ZONAL COMPONENT OF WIND VECTOR

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
RESULTANT=	-4.5	-5.5	-4.4	-3.3	-3.2	-2.4	-1.0	-0.5	-2.1	-3.1	-4.3	-4.1

STANDARD DEVIATION OF MONTHLY RESULTANTS

	4.4	2.5	3.0	3.4	2.3	2.1	1.9	1.4	2.2	2.7	3.2	3.8
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MONTHLY ANOMALIES

1946	-2.5	-1.5	-0.7	.2	.8	1.8	-0.8	1.9	1.2	4.1	1.0	2.7
1947	4.6	-1.6	-3.4	-4.4	-2.7	-1.3	1.2	1.7	-0.4	-0.2	-3.4	-3.2
1948	-2.1	3.5	3.1	8.1	2.1	.3	-0.3	1.5	2.5	-3.1	-2.0	3.3
1949	2.6	1.8	-3.0	-3.5	-1.2	3.0	.3	.7	-3.0	-0.9	-2.6	1.9
1950	7.0	3.3	-4.3	.6	.1	1.2	-1.7	-4.3	-2.2	-1.1	5.4	-1.6
1951	-2.6	3.3	3.2	-4.9	-3.6	-3.9	.5	-2.3	-2.2	-0.9	-0.7	5.0
1952	3.3	-2.6	1.6	-3.4	.4	.7	.4	1.5	-1.8	-1.1	-0.8	-4.4
1953	-4.8	-5.2	.3	-2.9	.4	.5	-3.3	1.0	3.9	-4.7	-4.6	-4.8
1954	2.3	-2.9	2.6	3.1	-3.2	-1.5	1.0	-0.8	2.1	-3.9	-0.8	.7
1955	-5.5	2.4	.1	1.5	-1.3	2.2	1.7	1.3	1.3	-0.3	.8	6.9
1956	6.7	3.7	-0.9	-2.5	-3.0	-0.8	.2	-1.4	1.8	6.6	-1.9	-0.8
1957	4.6	.6	-2.5	-0.7	-1.0	-1.6	.6	-0.4	-3.4	-2.6	-1.2	-0.8
1958	-7.1	-0.9	1.8	-3.0	-2.0	-2.1	-3.4	-0.3	1.2	3.1	1.4	-7.0
1959	-0.8	2.3	-3.0	.9	-0.9	3.0	-0.2	1.5	.1	-3.0	-5.3	-4.1
1960	-2.4	-0.2	1.2	-2.8	.9	-0.8	-1.1	.7	1.4	-1.6	-1.2	-3.5
1961	-6.8	.2	-2.4	2.6	-1.8	.5	.8	-1.6	3.5	2.9	1.3	-1.6
1962	6.0	-0.6	.4	5.3	2.9	5.1	1.1	.6	.4	-2.7	-3.9	.2
1963	-2.7	1.0	7.2	4.6	1.1	1.1	2.8	-0.1	-2.0	2.4	.7	-4.1
1964	-5.8	-1.9	.1	3.3	6.6	-1.6	-0.5	-0.6	1.1	2.1	.9	5.3
1965	-1.3	-0.9	-1.3	2.4	1.1	-2.0	1.6	-0.8	-0.7	-1.4	6.0	3.9
1966	-4.0	4.6	1.9	-2.0	4.1	-3.0	-0.6	-1.0	-2.1	-0.1	7.7	-1.5
1967	-1.1	-0.3	6.8	4.5	1.9	2.0	5.7	-0.7	-3.4	-0.2	.7	2.0
1968	6.7	-0.5	-2.6	-0.0	-0.1	1.0	-3.2	.6	3.8	3.1	-3.9	4.6
1969	4.8	-1.0	-0.4	-3.1	-0.9	-2.4	.2	1.7	-1.7	-1.5	2.0	-5.5
1970	-1.1	-4.9	-4.4	-0.8	.9	.0	-2.8	-0.3	-2.5	2.6	5.3	1.1
1971	2.0	-1.6	-1.4	-3.0	-1.6	-1.4	-0.2	-0.0	1.0	2.2	-0.7	5.1

POINT NO. 4 (I,J)=(15,32)

TABLE B-13

LAT. 32.84N LONG. 170.00W

RESULTANT ZONAL COMPONENT OF WIND VECTOR

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
RESULTANT=	-4.1	-4.1	-1.4	.7	.0	-0.3	3.2	2.5	.7	.6	-0.9	-2.3

STANDARD DEVIATION OF MONTHLY RESULTANTS

	3.7	3.5	3.1	2.6	2.2	1.7	1.4	1.4	1.6	2.7	2.6	3.9
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MONTHLY ANOMALIES

1946	.3	1.2	1.9	2.7	-3.4	2.3	.8	.5	2.0	2.4	1.7	1.6
1947	2.2	-4.9	-4.2	-4.0	-2.4	1.1	2.0	.6	.6	-0.3	-4.8	.9
1948	-0.0	2.6	4.1	3.9	1.9	1.3	1.1	1.7	3.5	-1.0	.3	5.0
1949	2.5	1.3	-3.1	-2.3	-1.1	-0.6	2.1	1.6	-2.2	-0.8	-1.0	1.9
1950	3.9	1.4	-4.4	.7	.1	1.9	0.4	-2.9	-2.2	-1.4	2.3	1.7
1951	-0.4	2.8	-0.3	-4.0	-3.0	-2.9	.7	-1.8	-3.5	-0.9	-1.1	2.5
1952	4.1	.2	3.4	-0.8	1.8	1.0	-0.6	.5	.0	.1	.3	-2.8
1953	-5.8	-0.3	2.7	-4.3	-3.2	.7	-1.3	1.7	1.8	-2.5	-1.9	-2.2
1954	-0.3	-1.8	3.6	-1.2	-0.4	-1.4	2.9	-0.8	-0.1	-3.0	-4.2	1.1
1955	2.1	4.1	-0.5	4.5	0.3	1.9	1.1	1.9	1.9	1.9	.2	4.7
1956	7.5	5.8	1.2	-1.7	.0	1.1	.6	-1.6	-1.1	4.2	-1.9	-3.8
1957	5.3	1.2	-2.4	1.5	-2.1	-1.1	-0.8	-0.9	-2.1	-3.8	-0.4	5.0
1958	-6.3	-4.4	4.3	-4.2	-0.1	-1.0	-1.7	-0.5	-0.9	4.9	1.0	-4.4
1959	.7	3.3	-3.0	-0.7	-1.4	-0.9	-0.4	1.4	-0.5	-3.4	-5.0	.8
1960	1.2	-2.0	1.6	-1.4	-0.2	1.4	-1.6	1.7	2.4	1.2	1.8	-5.7
1961	-6.0	-2.8	-3.7	-0.3	.9	1.4	-1.6	-0.4	.0	3.6	.9	-2.5
1962	-3.5	.3	2.3	3.5	3.1	2.8	0.1	1.0	1.6	-1.7	-1.2	-6.3
1963	-6.2	-7.1	7.1	3.1	3.1	1.5	.8	-1.9	-0.7	3.1	.9	-6.0
1964	-0.6	.1	2.5	2.4	5.5	-1.7	.7	.2	1.2	1.0	-1.0	-0.9
1965	-2.0	2.8	-3.0	-0.3	.5	-1.4	0.1	-1.2	-0.2	-0.8	5.8	3.0
1966	-2.8	3.7	-0.5	-2.7	1.4	-1.9	0.3	-0.6	-1.1	-1.6	4.8	-4.1
1967	-0.2	1.5	-1.6	3.2	0.0	-1.7	2.2	-0.8	-1.2	-2.5	2.3	-0.1
1968	1.2	-7.5	-2.2	2.5	0.3	-1.2	-1.7	-2.0	.6	3.2	-3.2	5.5
1969	5.3	5.0	-0.9	-1.5	-2.7	-3.2	-1.0	1.8	-0.0	-5.6	-0.5	-5.2
1970	-3.0	-3.6	-5.0	1.2	2.9	-0.8	0.0	-0.3	-1.4	2.8	3.0	3.4
1971	.7	-2.9	-0.0	.3	0.6	1.4	-3.2	1.2	1.5	.8	1.0	6.8

POINT NO. 1 (I,J)=(12,32)

TABLE B-14

LAT. 24.69N LONG. 170.00W

RESULTANT ZONAL COMPONENT OF WIND VECTOR

	JAN	FEB	MAR	APRIL	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
RESULTANT=	-0.2	1.6	4.0	5.1	4.4	3.8	5.6	5.3	3.8	4.4	3.8	2.6

STANDARD DEVIATION OF MONTHLY RESULTANTS

	2.9	3.6	1.9	1.5	1.3	1.0	.9	.7	1.2	1.5	1.8	2.9
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MONTHLY ANOMALIES

1946	3.3	2.5	2.9	2.0	-1.4	1.5	+0.1	-0.8	1.0	-0.4	-0.9	.7
1947	1.3	-6.7	-3.0	1.1	1.3	+0.4	1.2	-0.5	1.3	2.7	-1.7	2.8
1948	3.3	.6	2.8	-4.1	-0.3	-1.3	1.0	.8	2.0	2.5	.6	4.5
1949	1.9	1.4	1.0	1.1	-0.1	.0	.4	.9	.6	-0.3	1.4	.3
1950	-1.6	1.6	-0.3	.4	.5	-1.0	-0.6	.5	.3	.7	-0.8	2.2
1951	2.6	.3	-3.3	-0.4	-1.5	-0.6	.7	.3	-2.1	+0.9	1.6	.1
1952	1.2	1.8	1.6	1.4	1.2	.5	-1.1	-1.0	-0.5	1.4	1.7	.1
1953	-1.9	1.6	2.5	-2.0	-0.3	.1	.4	-1.0	-0.2	.2	1.9	-0.3
1954	-0.4	-1.1	.7	+0.7	2.3	.9	.7	-0.1	-1.1	+0.0	-4.3	2.5
1955	4.8	2.4	.1	.9	1.1	.2	+0.8	.5	.4	+0.1	-2.2	-1.7
1956	.4	3.7	1.9	.6	1.5	2.1	+0.3	-0.2	.4	+0.8	-2.1	-4.7
1957	.2	-0.8	-0.9	1.5	-1.1	+0.8	+0.3	.4	-1.1	+2.7	-0.8	6.7
1958	-1.7	-4.9	.7	+0.7	1.8	+0.8	.4	1.2	.5	1.2	-0.4	-0.1
1959	-1.8	3.1	-0.5	.0	.5	-1.1	.0	.0	.7	+2.7	.6	4.0
1960	1.1	.5	.2	.7	.0	.6	-0.6	-0.5	.1	+0.3	1.5	-0.5
1961	-1.7	1.2	-1.6	.1	1.4	2.0	+0.5	-0.1	-0.1	+0.6	2.3	-2.3
1962	-3.4	-0.1	1.0	-2.6	-0.7	-1.1	+0.3	.1	1.2	+1.3	1.9	-5.6
1963	-7.1	-6.0	-1.7	-1.3	2.0	1.4	.1	-0.5	1.4	.7	-1.0	-4.4
1964	5.0	1.3	2.7	.6	-0.1	+0.4	1.6	.9	1.1	3.1	-0.2	-3.3
1965	-0.3	1.7	-3.2	-2.7	.2	.2	-1.9	-0.8	-3.0	1.8	2.1	2.8
1966	1.3	3.3	-2.5	-1.5	+2.4	.3	+0.1	.8	-2.0	-0.2	-1.1	-0.4
1967	3.2	1.5	-1.7	.4	+0.9	-1.4	+0.7	.6	-1.6	+0.6	1.8	-3.6
1968	-3.9	-9.5	1.6	.5	-0.6	+0.9	.3	-1.0	-1.0	+2.1	-2.5	-0.9
1969	1.7	6.8	.8	1.5	-1.4	-0.9	+0.5	.4	1.3	+0.3	-2.4	-0.7
1970	-3.2	-2.7	-2.6	1.7	-1.9	.2	2.2	.3	.5	.7	2.3	2.3
1971	-4.2	-3.6	.9	1.4	-1.1	.5	-1.7	-1.2	-0.3	+1.6	.7	-0.6

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POINT NO. 19 (I,J)=(23,29)

LAT. 56.18N LONG. 151.56W

TABLE B-15

RESULTANT ZONAL COMPONENT OF WIND VECTOR

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
RESULTANT=	-0.1	-0.4	-1.5	-1.5	.7	.1	-1.2	-2.3	-1.4	-2.3	-1.0	-1.4

STANDARD DEVIATION OF MONTHLY RESULTANTS

	3.2	2.9	2.4	1.9	1.9	2.3	1.7	1.6	1.8	2.6	2.3	3.4
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MONTHLY ANOMALIES

1946	-3.4	.1	-3.8	-2.2	1.0	-1.0	.7	1.2	1.3	-3.7	-0.7	-2.8
1947	-5.1	4.6	.5	2.4	1.8	-0.5	-1.0	-2.0	-1.0	-1.3	2.5	-3.3
1948	-2.3	1.0	-1.1	-1.1	2.2	2.0	-0.9	-1.8	-3.9	-2.2	-1.2	-4.6
1949	-2.5	-0.8	2.5	1.7	-2.3	-4.5	-0.6	.7	-0.0	.0	2.8	-1.7
1950	-2.4	.3	5.6	.8	.6	2.0	1.7	2.1	1.7	3.6	.9	2.9
1951	-0.6	-2.8	.1	2.8	2.4	2.6	-1.6	.9	1.4	2.4	.9	-1.5
1952	-3.4	-1.3	-3.0	-0.3	-0.5	-2.5	.3	-0.0	-0.2	2.5	-1.2	1.7
1953	2.4	-1.4	-1.9	3.2	.5	-4.3	1.6	-2.0	-1.9	1.2	1.0	.8
1954	-0.4	.2	-1.2	.5	1.0	2.2	-2.3	-0.6	-2.4	2.7	3.0	-2.7
1955	-0.8	-4.6	-0.2	-2.2	-0.6	-2.9	-0.9	-1.6	-0.1	-1.1	4.2	.7
1956	1.4	-2.5	1.3	1.7	1.4	-1.0	1.8	1.7	-1.8	-4.5	1.3	2.8
1957	.2	-1.3	2.1	.9	1.1	1.3	-0.8	-0.1	3.9	4.2	1.1	-3.9
1958	4.5	5.0	.3	2.3	-0.1	1.3	1.6	1.0	-1.2	.7	-2.5	5.6
1959	6.0	-2.4	-0.1	-0.1	.1	-0.7	.1	-2.2	.2	3.3	3.3	-1.9
1960	1.8	2.7	1.5	.6	.8	-0.9	.8	-2.0	-0.4	-0.2	-0.1	4.4
1961	6.2	-1.0	.1	-2.3	1.2	-0.3	-0.1	2.0	-2.7	-3.4	-2.2	-1.9
1962	.2	2.6	-0.1	.6	-3.5	-3.6	1.9	-1.3	-0.6	.4	2.4	4.9
1963	3.8	4.0	-5.2	-1.5	.7	-3.2	-2.9	.6	2.2	-0.2	-0.8	6.5
1964	.3	-1.5	-1.2	-3.3	-5.4	1.1	.4	.1	.9	-0.2	-1.6	-1.9
1965	1.0	-3.5	4.6	-1.3	-3.4	1.3	1.6	.6	.3	-0.3	-4.0	-1.5
1966	3.5	-5.1	-1.7	.2	-3.4	3.6	-1.8	.7	.4	-3.7	-4.9	1.1
1967	-4.2	-1.5	-3.4	-3.8	1.9	.8	-3.6	3.9	3.1	.3	-2.1	-0.5
1968	-4.4	4.4	1.7	.8	.5	1.9	3.5	.8	-2.2	-2.9	2.5	-1.3
1969	-4.4	-1.1	.5	2.3	.1	3.1	-2.1	-2.4	2.2	5.1	-2.1	6.5
1970	2.0	4.7	2.6	-2.2	1.5	1.1	1.2	.6	.9	-0.9	-1.0	-3.3
1971	.4	1.1	-0.4	-0.5	.5	1.1	1.4	-0.4	-0.1	-1.9	-1.6	-4.9

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POINT NO. 14 (I,J)=(21,28)

LAT. 48.88N LONG. 150.02W

TABLE B-16

RESULTANT ZONAL COMPONENT OF WIND VECTOR

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
RESULTANT=	-2.0	-3.1	-4.6	-4.7	-3.1	-3.0	-4.0	-4.5	-4.1	-6.0	-5.3	-4.3

STANDARD DEVIATION OF MONTHLY RESULTANTS

	3.0	3.2	2.3	2.5	2.1	1.7	1.5	1.8	1.7	2.7	2.6	2.9
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MONTHLY ANOMALIES

1946	-2.1	-4.5	-4.5	-4.5	3.2	1.3	-1.1	.9	-0.9	.2	2.0	1.3
1947	-1.2	6.7	4.8	1.2	.2	-0.6	-0.9	-0.2	-0.4	-4.3	1.5	-4.0
1948	-2.5	1.3	-1.6	2.4	-1.3	1.4	-0.1	-0.9	-2.0	-2.0	-2.7	-3.8
1949	-0.5	-0.7	.5	-1.5	2.0	-2.1	-1.4	-0.5	1.3	.5	-2.6	1.1
1950	4.0	-3.2	-0.4	-2.1	-3.2	.0	-1.2	1.6	.7	-1.4	5.5	1.1
1951	-2.0	1.0	-0.4	1.9	3.5	3.6	.0	2.8	1.8	3.0	-0.4	.8
1952	-4.6	-1.7	-4.2	-0.7	.6	-1.9	1.1	.7	-0.3	2.7	-1.5	-5.4
1953	-0.9	-5.0	-3.9	2.0	1.3	.4	2.2	-1.6	-1.8	-1.4	-2.3	-2.4
1954	-2.4	1.8	.8	2.8	.3	-3.0	-2.1	.8	.6	.6	.9	-2.0
1955	-4.0	.4	1.7	-2.8	-3.8	-1.2	-2.6	-1.6	.9	-3.8	2.9	1.5
1956	-1.3	-2.0	-2.7	1.7	-1.0	-2.2	3.0	.6	1.4	-3.0	2.8	1.1
1957	3.6	1.5	-0.4	1.6	3.1	1.1	.4	2.3	2.2	6.6	-0.4	-3.5
1958	-0.1	3.0	1.3	3.7	-0.2	2.3	1.1	-1.7	-0.2	-2.1	-0.7	3.2
1959	.9	-3.4	-0.4	2.6	.9	1.1	-0.5	-0.7	-1.3	5.2	1.3	-3.2
1960	-0.7	2.2	-1.4	-0.4	-1.4	-1.4	-0.1	-2.2	.1	-1.7	-5.0	3.3
1961	3.2	-3.6	1.7	.9	-1.2	-1.1	-0.2	-0.2	-0.6	-1.8	-2.1	1.5
1962	3.6	4.4	-0.7	-2.3	-2.6	-0.4	.9	-0.3	-0.8	.4	-6.3	6.7
1963	8.1	2.5	-2.0	1.3	.3	-2.5	-0.4	5.1	-1.7	-4.5	-0.8	2.5
1964	-5.9	-3.7	-1.0	-2.8	-2.0	.4	-1.9	-2.2	1.3	1.4	-0.2	1.7
1965	-0.3	-1.6	4.6	.7	.4	-0.2	.6	3.2	4.9	-0.6	.5	-2.5
1966	1.0	.1	1.7	4.9	-3.1	1.3	.9	.3	.2	2.2	4.7	.9
1967	-1.5	-2.1	1.2	.6	.2	3.1	-0.8	.2	-2.7	.1	.4	2.1
1968	1.4	6.9	1.7	-2.0	3.0	.1	1.1	-0.5	-1.5	-1.1	.2	3.4
1969	-0.0	-3.5	3.3	-3.5	3.6	2.3	-1.1	-2.7	-1.7	1.9	-0.7	.6
1970	2.8	3.7	-0.1	-3.7	-1.2	-1.0	-1.0	-1.6	2.1	2.2	2.4	-3.6
1971	1.3	-0.3	.6	-1.9	-1.4	-1.0	4.0	-1.7	-1.5	.7	.8	-2.5

POINT NO. 10 (I,J)=(10,27)

LAT. 39.05N LONG. 150.35W

TABLE B-17

RESULTANT ZONAL COMPONENT OF WIND VECTOR

	JAN	FEB	MAR	APRIL	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
RESULTANT=	-2.5	-3.7	-3.4	-3.4	-3.3	-2.4	-1.0	-0.7	-1.9	-3.0	-4.0	-4.9

STANDARD DEVIATION OF MONTHLY RESULTANTS

	4.6	2.9	3.1	2.7	1.9	1.9	1.3	1.6	2.1	1.8	2.0	2.9
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MONTHLY ANOMALIES

1946	-2.4	-2.5	-3.1	-1.1	1.7	-2.0	-1.9	.9	-2.5	3.4	4.7	4.3
1947	5.4	-1.7	-2.9	-1.1	-0.6	-0.4	-1.2	2.8	1.1	-3.3	2.3	1.0
1948	-1.3	3.3	-0.4	3.0	-2.0	1.3	-0.6	2.0	.6	-0.8	1.2	.3
1949	3.8	.9	-1.8	-4.2	.6	3.3	1.0	-1.9	-1.7	.8	-3.3	2.8
1950	7.3	-3.7	-3.3	-1.5	-0.8	-0.9	-1.3	-1.8	-1.2	-2.8	3.0	-1.4
1951	-2.6	2.1	3.5	.1	-1.5	2.0	.9	-1.0	.2	.2	-4.3	3.3
1952	-1.4	-0.6	-1.1	-4.4	-0.3	-0.4	1.9	1.6	-1.0	.8	-0.7	-5.8
1953	-2.3	-0.5	-1.0	-1.4	-2.8	2.5	-2.8	1.5	.1	-2.8	-6.4	-1.5
1954	2.9	-1.7	5.2	2.4	-0.9	-2.0	.1	2.8	2.4	-2.0	-3.3	-2.5
1955	-3.1	4.0	5.1	-0.5	.3	.4	1.2	-1.1	.5	.3	-0.3	1.7
1956	-4.2	1.3	-1.3	.7	-0.2	-2.5	-0.4	-1.7	2.6	2.9	2.5	2.2
1957	4.2	5.1	-0.2	-0.3	-2.5	-2.0	-0.4	-0.8	.0	.8	1.5	-1.7
1958	-7.0	-3.3	3.5	-1.1	-0.3	1.5	.1	-2.4	-0.2	.5	3.4	-2.9
1959	-4.6	3.7	-3.8	1.8	1.5	-2.1	-0.2	2.6	-0.8	-0.4	1.7	-3.2
1960	-2.2	-1.1	.5	-3.0	-1.9	2.1	-0.5	1.6	1.0	-1.0	-2.3	-1.9
1961	-6.9	-4.6	-5.2	2.7	-0.7	-1.3	2.0	-1.2	3.5	2.8	.3	-0.1
1962	1.4	4.2	1.9	-0.8	4.2	3.0	-0.1	.4	-0.7	.5	-3.5	-0.1
1963	5.1	-3.4	3.6	-1.2	-1.9	2.1	.8	-0.8	-4.0	-2.9	-2.9	-0.2
1964	-6.6	1.1	.8	3.4	2.7	-1.4	-1.9	.6	-0.1	-1.3	1.2	2.5
1965	-0.1	4.4	3.8	.1	3.0	-1.2	1.3	.4	5.3	-0.1	1.5	1.8
1966	-4.4	1.9	-1.3	4.7	3.6	-3.1	2.3	.2	-2.2	-0.3	1.5	-1.7
1967	-2.0	.1	5.0	6.1	1.3	2.4	1.6	-1.3	-4.1	-0.2	2.3	3.6
1968	6.5	-1.2	-4.5	1.7	.5	.3	1.6	-0.2	2.2	2.6	-3.0	3.1
1969	10.7	-4.9	-1.0	-5.1	-2.6	-0.3	.4	-1.2	-2.3	-1.1	.7	-7.2
1970	.9	-3.0	.2	1.4	-0.6	.1	-1.3	-0.1	.3	1.7	3.3	-0.4
1971	3.0	-0.0	-2.6	-2.5	.4	-1.6	.8	-2.1	.8	1.9	-1.1	4.9

POINT NO. 5 (I,J)=(16,26)

LAT. 32.59N LONG. 149.44W

TABLE B-18

RESULTANT ZONAL COMPONENT OF WIND VECTOR

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
RESULTANT=	-1.2	-1.2	.5	1.1	.6	1.8	3.8	3.4	1.9	.4	-0.5	-0.6

STANDARD DEVIATION OF MONTHLY RESULTANTS

	3.1	3.7	2.9	2.9	1.8	1.5	1.1	1.4	1.6	2.0	1.8	3.2
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MONTHLY ANOMALIES

1946	-1.0	-1.8	1.9	.4	-2.5	.1	.5	.0	-0.5	4.9	-0.6	3.7
1947	.9	-4.2	-4.4	-2.4	-1.8	.1	.3	2.6	1.5	-2.4	2.3	1.9
1948	3.5	4.6	1.1	2.4	-1.4	1.6	1.0	2.3	1.4	-0.2	3.5	4.9
1949	4.4	-0.1	-2.8	-2.8	-0.5	2.1	1.3	.3	-1.3	2.1	-4.2	4.8
1950	3.6	-2.2	-4.6	.4	2.0	-1.4	-0.0	-3.3	-1.9	-0.8	.4	-4.6
1951	-1.5	2.4	4.1	-1.6	-1.7	1.5	.3	.5	-1.4	.7	-2.4	2.4
1952	.4	-0.5	4.0	-3.2	-0.5	1.6	.8	-0.5	.1	-1.4	1.2	-5.4
1953	-4.5	3.1	.8	-4.9	-1.8	2.2	-1.4	-0.2	-0.7	-1.4	-2.6	1.0
1954	-0.3	-1.1	4.2	-1.6	-0.1	-1.6	-0.1	.9	.3	-2.2	-3.5	-1.0
1955	1.2	3.7	2.1	1.8	1.7	.5	.9	.0	-0.0	.7	.4	-2.7
1956	-2.4	4.8	.8	-0.2	-0.0	.1	-1.3	-2.1	.4	2.7	.3	1.3
1957	3.8	.5	-3.0	-0.5	-3.8	-1.1	.6	1.2	-2.4	-1.8	.4	.1
1958	-8.0	-6.9	2.0	-3.0	-0.2	.9	.1	.1	1.4	.4	.7	-2.9
1959	-1.3	4.1	-0.2	-1.7	1.2	-1.8	.7	1.5	1.1	-0.5	.7	.7
1960	-0.1	-2.0	-1.6	-2.0	-0.6	2.1	-1.5	2.4	-0.3	-0.0	.4	-2.0
1961	-4.9	-1.4	-3.1	2.5	.5	-0.6	1.6	-0.2	3.9	4.7	2.0	1.9
1962	-0.7	-0.6	.9	-2.3	3.2	-0.2	.0	.8	-1.6	-1.7	-1.1	-6.3
1963	-0.3	-6.6	5.3	.5	-0.9	2.7	.7	-1.9	-1.7	-0.3	.0	-3.8
1964	-0.0	4.3	1.1	4.0	2.4	-1.7	-1.1	-0.6	1.6	-2.5	1.1	-1.1
1965	.5	5.6	1.1	.7	3.3	.5	-0.8	-0.9	3.6	-1.1	.6	.8
1966	-1.7	3.4	-2.8	.5	2.0	-1.8	1.4	1.2	-1.7	1.0	2.1	-2.0
1967	.7	2.1	3.3	7.6	1.6	.7	-0.4	-2.6	-1.6	-2.0	2.1	3.8
1968	2.2	-7.5	-4.6	5.3	-1.7	-2.4	-2.1	-0.4	-0.2	-0.6	-2.4	.5
1969	4.6	-1.3	-2.2	-3.0	-2.5	-2.3	1.5	.3	-1.0	-1.3	-0.4	-3.4
1970	-3.8	-3.2	-0.9	3.5	.8	-0.1	-1.3	-0.4	-0.2	.3	-1.9	1.9
1971	4.9	.5	-2.6	-0.5	1.4	-1.7	-1.7	-1.1	1.2	2.6	.8	5.6

POINT NO. 2 (I,J)=(13,25)

LAT. 24.04N LONG. 149.77W

TABLE B-19

RESULTANT ZONAL COMPONENT OF WIND VECTOR

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
RESULTANT=	2.7	3.2	5.0	5.1	5.3	5.4	5.8	5.5	4.6	4.1	4.5	4.6

STANDARD DEVIATION OF MONTHLY RESULTANTS

	2.5	2.9	1.7	1.6	1.5	1.0	.8	.9	1.1	1.2	1.6	2.5
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MONTHLY ANOMALIES

1946	2.8	-0.3	1.5	.7	-3.6	.9	.6	-0.6	.6	1.4	-1.9	1.5
1947	-2.3	-4.7	-0.2	.3	-1.1	-0.2	-0.3	.1	.1	-0.3	.2	1.4
1948	1.5	.4	3.2	-1.4	1.7	-0.1	-0.6	-0.2	-1.3	.1	3.0	4.2
1949	3.8	1.9	.3	-0.2	-0.4	.4	.9	.6	-0.2	.2	-2.0	1.7
1950	1.2	1.4	-0.3	.1	1.7	.4	-0.2	-0.6	-0.2	-0.3	-2.4	-2.5
1951	2.1	.4	.8	.1	-0.4	-1.3	.5	.2	-1.5	1.5	1.7	1.6
1952	2.3	2.3	3.5	.1	-2.0	1.1	-0.0	.1	-0.2	-1.6	1.8	.2
1953	-2.0	4.6	2.2	-2.1	-0.0	.4	-0.4	.3	-0.2	.0	.1	1.9
1954	-1.3	-1.0	-0.8	-2.1	-0.3	1.1	.3	1.1	.7	-0.5	-2.8	2.3
1955	3.3	2.7	-1.1	2.4	2.8	1.4	.5	.7	1.1	.9	.9	-3.6
1956	.3	4.8	1.1	-0.7	-0.2	1.9	.6	.3	-0.2	1.9	-0.6	-0.2
1957	3.5	-2.5	-1.7	.5	-1.3	-0.9	.6	1.2	-1.2	-1.0	.8	1.0
1958	-3.1	-4.8	-1.6	-0.3	-0.8	.7	.5	.8	1.8	.6	-1.3	-2.0
1959	-0.8	1.1	2.5	-1.0	.2	-0.0	.6	.7	2.6	.4	.0	1.8
1960	.7	-1.0	-2.1	.7	.7	-0.1	-0.7	.4	1.0	.6	2.4	-2.4
1961	-4.6	4.0	-0.4	-1.0	1.6	-0.2	-0.6	-0.5	.5	2.1	-0.2	2.8
1962	1.1	-3.2	-0.7	.3	2.3	.2	.4	-0.3	.2	-1.3	1.0	-5.4
1963	-2.9	-4.2	1.4	.7	-0.9	1.5	.7	.6	-1.0	.9	.1	-3.1
1964	4.1	4.4	1.0	2.3	1.9	.1	.7	-0.3	1.5	.1	.0	-1.5
1965	-1.3	-1.8	-3.2	-0.8	.7	-0.8	-1.9	-2.0	-2.1	-2.5	-1.1	.6
1966	.7	-1.4	-3.1	-4.9	-0.4	-1.8	-1.5	-0.6	-0.2	-0.6	.7	-0.4
1967	.2	1.6	-0.6	.7	.4	-1.2	.9	-0.7	-1.6	.1	1.6	-1.1
1968	-2.0	-5.4	.6	2.7	-2.0	-0.1	-1.2	-1.2	-1.1	-2.2	-1.6	-2.8
1969	-3.4	1.7	-1.4	-0.1	-1.7	-1.3	1.2	1.3	1.2	-1.1	-0.4	-2.8
1970	-4.2	-1.8	.1	1.6	1.2	-0.6	-0.7	.6	-0.4	-0.7	-2.5	3.4
1971	.3	.7	-1.1	1.6	-0.1	-1.6	-0.8	-2.1	-0.1	1.3	2.2	3.4

POINT NO. 18 (I,J)=(23,25)

LAT. 49.86N LONG. 132.12W

TABLE B-20

RESULTANT ZONAL COMPONENT OF WIND VECTOR

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
RESULTANT=	-1.9	-1.9	-2.4	-2.7	-1.9	-2.6	-2.7	-2.8	-2.5	-2.8	-1.9	-2.6

STANDARD DEVIATION OF MONTHLY RESULTANTS

	2.4	2.8	2.0	1.7	1.4	1.2	.7	1.4	1.3	1.9	2.0	2.5
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MONTHLY ANOMALIES

1946	-1.0	.8	-2.4	.2	1.0	1.7	.5	.5	.1	-1.4	1.4	-2.4
1947	-2.7	3.5	2.9	.6	.2	1.0	1.0	-1.8	-0.4	.9	-1.1	-1.5
1948	-1.2	-1.8	-0.6	2.8	.8	-0.2	.7	-0.9	-0.4	.4	-5.2	-4.0
1949	-1.6	-2.1	2.0	.4	1.4	-1.9	-0.8	1.8	.9	-2.2	1.1	-0.9
1950	2.3	-1.8	.5	.2	-2.2	.9	.5	3.2	.8	.6	.9	2.8
1951	-0.5	-0.4	-1.7	1.0	.5	-1.3	.4	.2	1.2	.7	.1	-0.2
1952	-3.5	-1.6	-2.9	1.3	1.2	-0.7	-0.4	-1.1	-0.5	3.0	2.8	2.5
1953	2.0	-2.3	-2.5	2.8	.6	.2	.2	1.4	-1.2	-1.0	-1.7	-3.5
1954	-0.6	-1.1	1.2	-1.1	.8	.8	.7	-0.5	.3	3.3	1.8	-0.7
1955	.6	-3.0	-2.5	-0.9	-1.6	.2	-0.0	-0.4	.2	-2.3	2.1	4.5
1956	4.9	-2.1	-1.2	.4	.1	-0.7	.8	.3	.7	-2.8	.1	-2.7
1957	3.4	1.0	1.9	1.0	2.3	.4	-1.0	1.1	3.1	3.2	.2	-1.6
1958	3.1	6.4	2.7	1.2	.6	.1	-1.1	-0.1	-1.1	.7	-0.7	3.5
1959	.6	1.2	-2.4	-0.8	-0.7	.7	-0.0	-1.8	-0.0	.5	1.1	-1.1
1960	2.8	1.8	-0.3	-0.1	1.2	-1.3	1.4	-2.5	.1	.2	-0.5	2.9
1961	4.0	-1.7	2.4	-2.1	.8	.6	-0.0	-0.1	-2.2	-4.1	.1	-3.2
1962	-2.3	2.5	1.0	.1	-2.4	.5	-0.1	-0.0	.1	-0.3	-3.4	2.0
1963	-0.3	2.8	-0.6	1.4	1.3	-2.3	-0.5	1.3	3.1	-0.7	-2.7	3.3
1964	-3.4	-4.4	-3.5	-4.0	-2.0	1.0	.6	-1.4	-2.2	1.4	-0.6	-0.5
1965	-1.2	-3.5	2.2	.9	-2.3	.8	.5	1.8	-1.2	.7	2.8	.1
1966	.3	.5	1.3	.4	-1.4	1.4	-1.1	-1.1	1.3	-0.8	1.4	1.1
1967	-2.8	-3.9	-0.1	.1	-2.0	-2.4	-0.9	2.0	1.2	-0.1	1.4	-1.3
1968	-1.9	4.7	1.9	-3.0	.8	.6	.3	-1.2	-1.6	-1.6	-0.1	1.0
1969	.0	2.0	2.7	.9	1.7	-1.5	-1.8	-1.2	.3	3.1	-1.1	4.1
1970	1.9	3.7	-0.5	-4.3	-0.8	-0.3	-0.1	-0.1	-1.3	.2	2.6	-1.8
1971	-3.0	-1.1	-1.7	.6	-0.0	1.8	.4	.6	-1.4	-1.5	-2.8	-2.2

POINT NO. 13 (I,J)=(21,23)

TABLE B-21

LAT, 41.03N LONG, 130.71W

RESULTANT ZONAL COMPONENT OF WIND VECTOR

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
RESULTANT=	-3.8	-3.4	-3.9	-2.9	-1.7	-2.2	-1.6	-1.6	-1.2	-2.5	-3.6	-4.3

STANDARD DEVIATION OF MONTHLY RESULTANTS

	2.4	2.0	1.6	1.5	1.4	1.1	1.0	.7	1.0	1.4	1.5	2.0
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MONTHLY ANOMALIES

1946	-0.5	-1.7	-1.8	-0.7	.6	-2.0	-0.4	-0.0	-0.3	.8	1.2	4.2
1947	1.5	2.1	1.8	-0.2	1.9	-1.0	-1.1	-0.3	.4	-2.6	1.0	.5
1948	4.1	-1.2	-0.3	-1.5	-1.7	.6	-0.7	-0.9	-0.9	1.2	-0.7	-1.7
1949	3.3	-4.1	2.7	-0.2	-1.6	.9	-0.5	-1.5	-0.1	1.6	.1	-0.8
1950	-1.5	-1.1	-1.1	-1.1	-0.3	.4	-0.5	-0.7	.1	-0.6	-0.0	1.8
1951	-1.6	-0.6	-0.7	2.2	.6	2.0	-1.7	-0.1	-0.0	-0.9	-1.7	-0.6
1952	-2.7	1.3	-1.8	.4	.6	-1.6	1.1	-0.2	-0.2	3.6	.7	-4.1
1953	-3.4	-0.7	-1.0	-0.9	-2.1	-0.9	.5	-0.9	1.1	.0	-2.0	.9
1954	-1.2	-0.4	2.0	2.5	.1	-2.1	-0.5	-0.5	-1.0	-0.9	-0.4	.8
1955	-0.8	1.5	1.7	-2.0	-0.7	-0.6	-2.6	-0.1	-0.9	-0.7	-2.0	.6
1956	-1.9	-1.3	-0.9	1.9	.6	-1.2	-0.4	.3	.7	-2.5	2.8	.1
1957	1.8	3.1	-0.7	.6	-0.2	.4	-0.3	-1.5	1.0	.2	1.2	-1.3
1958	-0.8	.8	.3	-1.1	3.1	.6	.8	.1	-0.6	.9	-0.6	1.1
1959	-0.6	-1.7	-1.0	2.1	-0.8	-0.2	.1	.5	-2.3	.3	1.4	1.0
1960	.1	-1.7	.3	-1.3	-2.4	2.0	.7	-0.4	.3	-1.6	-2.1	3.6
1961	2.5	-3.9	-3.0	1.1	-2.8	.3	-0.1	.2	.8	-0.8	-0.8	-0.6
1962	2.6	1.2	.3	-0.7	.2	-0.8	1.1	.3	-2.6	.0	-2.0	3.4
1963	6.2	1.6	1.0	-1.7	-0.6	-0.6	-0.3	-0.0	.0	-1.7	-0.3	1.8
1964	-4.5	2.5	-1.0	-0.0	-0.4	-0.6	-1.2	1.0	-0.6	1.1	-1.1	-2.7
1965	-1.9	1.3	3.2	.0	-1.0	.3	1.3	1.0	1.7	.1	-0.3	-1.2
1966	-2.0	-1.0	-2.1	3.3	2.1	-0.3	-0.9	.8	.5	.7	.7	-2.3
1967	-1.1	.8	-0.8	-1.7	1.7	1.1	.9	1.5	-0.2	-1.2	4.0	.4
1968	-0.7	2.1	-0.2	2.1	.9	1.5	1.2	-0.2	.9	-0.8	-0.8	-0.4
1969	1.0	-2.4	1.6	-1.6	1.7	.5	1.5	.2	.0	1.3	1.9	-0.1
1970	2.0	4.3	2.7	-0.3	.0	.7	.5	.9	1.7	2.4	1.8	-3.4
1971	-0.0	-0.9	-1.2	-1.0	.5	.4	1.5	.7	.5	.3	-1.4	-1.1

POINT NO. 7 (I,J)=(17,19)

LAT. 25.08N LONG. 129.09W

TABLE B-22

RESULTANT ZONAL COMPONENT OF WIND VECTOR

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
RESULTANT=	3.4	3.2	2.7	2.6	2.3	2.1	2.9	3.0	2.4	2.6	3.1	3.4

STANDARD DEVIATION OF MONTHLY RESULTANTS

	.9	1.4	1.2	1.2	1.3	.7	.9	.9	.8	.7	1.1	1.0
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MONTHLY ANOMALIES

1946	-1.3	-1.5	-2.7	-3.0	-4.0	-1.3	-1.7	-2.2	-0.6	-1.0	-1.4	-1.3
1947	1.1	-1.9	-1.6	1.0	-1.3	-0.7	-1.2	-0.5	.6	-1.8	-0.5	.7
1948	.3	2.1	.1	-0.7	-0.4	-0.6	-0.9	-0.5	.1	-0.8	.0	-0.7
1949	.4	.2	-1.8	-0.8	-1.7	-0.6	-1.4	-0.9	-2.5	-0.4	-0.3	.1
1950	.4	-1.5	.7	.7	.3	.0	-1.0	-0.9	-0.2	-0.7	-0.2	-1.0
1951	-0.2	-0.5	-0.2	-2.5	-0.8	-1.5	-0.4	-0.1	-0.8	-0.3	-0.3	-0.9
1952	-0.9	-0.6	-1.4	-2.3	-0.3	-0.7	-0.3	.2	-0.3	1.1	-0.9	-0.8
1953	.5	1.4	.4	-0.3	.3	.1	-0.7	-0.2	-0.6	-0.0	.5	-2.7
1954	-1.4	.0	-0.8	.2	-0.0	.3	.1	.8	1.3	-0.6	-0.8	.2
1955	-0.3	1.2	1.3	.0	.5	.3	-0.4	-0.3	.3	.0	.3	-1.6
1956	-2.0	1.1	1.1	-0.6	-0.6	.4	1.3	.6	.6	.5	1.3	1.5
1957	-0.6	-0.5	-0.0	-0.0	-1.5	.5	.1	1.7	-0.6	-0.3	1.6	.8
1958	-0.3	-3.1	-2.0	-0.1	-1.3	.1	1.9	.1	.6	.5	1.1	.8
1959	1.4	-0.1	1.7	-0.5	.7	1.1	.9	1.5	1.2	-0.1	1.5	-0.4
1960	-0.2	.4	1.1	1.1	1.4	-0.2	.1	-0.3	.3	.3	.1	.8
1961	-0.9	2.4	.1	.9	1.3	.4	-0.6	1.1	.1	1.0	1.2	.4
1962	.9	-1.1	-0.9	1.7	1.2	.8	-0.1	.9	-0.3	-0.7	.4	-1.4
1963	.2	-0.1	1.3	.5	.5	.7	.4	-0.5	.5	.6	.0	1.0
1964	1.5	2.3	.8	2.2	2.2	.7	1.5	-0.2	1.2	-0.7	.2	.8
1965	1.6	1.6	-0.5	-0.9	1.3	.8	.9	-0.5	.0	.3	-2.1	-1.0
1966	.7	1.0	.8	-0.2	.5	.5	.4	1.2	1.2	.6	1.7	-0.3
1967	.5	1.6	-0.3	1.3	1.8	.8	.7	.5	-0.7	1.1	-1.9	.5
1968	.4	-1.1	.0	1.0	1.1	.4	.7	-0.0	.5	.9	1.1	-0.3
1969	-0.9	-1.6	2.4	.4	-0.4	-1.2	.9	-1.0	-0.1	.8	-2.4	-0.1
1970	-0.4	-1.5	-0.6	1.4	.4	-0.8	-0.4	.5	-0.2	-0.1	-0.8	-0.2
1971	-0.5	-0.1	1.0	-0.5	-1.1	-0.4	-0.6	-0.7	-1.5	-0.2	.5	-0.1

APPENDIX C
MERIDIONAL ANOMALIES

Page 176

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POINT NO. 22 (I,J)=(23,39)

LAT. 49.86N LONG. 152.13E

TABLE C-1

RESULTANT MERIDIONAL COMPONENT OF WIND VECTOR

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
RESULTANT=	5.6	5.2	3.5	.1	-0.9	-1.1	-1.2	-0.1	-1.0	-0.2	1.5	2.9

STANDARD DEVIATION OF MONTHLY RESULTANTS

	2.2	1.7	2.3	2.0	1.6	1.0	1.4	1.5	1.6	1.3	2.2	2.2
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MONTHLY ANOMALIES

1946	2.3	-0.9	2.0	-1.2	-0.6	-1.4	1.0	-2.8	-1.5	1.1	-2.7	-4.4
1947	-4.9	1.8	3.9	-0.1	1.8	-1.1	.7	.5	.3	.5	3.1	.3
1948	-2.4	-1.8	-0.4	-2.0	-3.7	-0.1	1.0	.4	-0.5	.2	1.3	2.1
1949	-2.3	.5	3.9	2.1	-0.5	.8	-0.5	-1.1	.5	2.4	2.2	3.3
1950	.4	-3.3	-0.2	1.7	.1	-1.0	.1	-1.0	.8	.3	-2.1	-1.2
1951	1.5	1.0	-3.2	2.4	-1.0	-0.5	-0.4	-2.1	1.6	1.8	.5	-1.0
1952	-0.1	1.0	-0.0	1.1	2.4	1.3	.1	.4	-1.1	-1.5	3.9	2.1
1953	3.3	.5	.7	4.4	1.9	2.7	-0.9	-0.4	-3.8	-0.2	5.5	1.0
1954	-0.8	.0	-0.3	-1.9	2.1	1.0	1.0	.4	-0.7	.1	2.0	-0.2
1955	2.9	.9	-2.8	-0.3	1.8	-0.1	-1.7	-0.1	.5	.5	-3.8	-4.2
1956	-5.8	-1.6	.2	-2.6	-1.2	.7	1.5	.4	.3	-2.9	-1.0	-0.1
1957	-0.8	-1.5	4.0	-0.2	1.1	.2	-1.5	-0.8	-1.2	.0	-0.1	-1.0
1958	1.8	1.5	-0.5	3.7	1.8	-1.2	-0.1	-0.5	-0.4	-0.2	-1.9	2.3
1959	.0	-0.8	.7	-2.7	.1	-0.1	-3.2	2.2	1.3	2.2	-0.5	-0.8
1960	3.0	-3.9	-0.5	.7	-0.4	-0.1	.1	-1.4	-1.8	1.1	-1.3	.7
1961	2.4	.5	-1.3	-1.2	1.5	-1.5	-2.9	-1.1	-0.7	-1.6	-1.6	.5
1962	-1.4	-0.0	-0.1	-4.5	.9	-0.2	1.1	3.1	-2.2	-1.2	.6	-0.7
1963	.3	2.2	.1	-0.5	.2	1.0	.4	-0.5	2.2	-2.0	-1.7	1.6
1964	.5	2.5	.2	-0.1	-3.5	-0.0	1.7	-1.2	1.3	.5	-0.6	-3.1
1965	-0.7	.5	1.9	-1.6	-0.2	-1.3	.4	-1.5	-1.1	-0.5	.8	-0.7
1966	.9	-2.2	-4.4	.7	.1	1.5	.1	-0.3	2.4	-1.2	-2.7	4.5
1967	-0.2	-1.1	-0.3	.4	-0.5	-0.8	.6	2.1	1.1	1.1	1.7	1.6
1968	.7	1.4	-6.0	-1.1	.0	-0.6	2.5	1.4	-0.4	1.6	1.6	-3.1
1969	-0.0	1.1	.7	2.6	-1.6	.7	-2.5	4.2	.2	-1.0	-2.0	1.9
1970	1.7	2.5	2.6	-0.1	-2.1	-0.3	1.4	-0.6	-0.9	-0.3	-1.9	.7
1971	-2.1	-0.8	-0.7	.1	-0.5	.5	.1	.3	3.6	-0.9	.5	-2.1

POINT NO. 17 (I,J)=(21,41)

TABLE C-2

LAT. 41.03N LONG. 150.71E

RESULTANT MERIDIONAL COMPONENT OF WIND VECTOR

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
RESULTANT=	2.5	3.2	1.5	-1.0	-2.0	-1.0	-1.8	-1.1	-0.8	.2	.4	1.1

STANDARD DEVIATION OF MONTHLY RESULTANTS

	1.1	2.0	1.9	2.1	1.4	1.3	1.3	1.1	1.1	1.3	1.4	1.7
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MONTHLY ANOMALIES

1946	-1.3	-3.6	1.5	-2.2	.6	-2.5	.3	-1.4	-1.3	-2.7	-1.0	-1.9
1947	1.1	1.7	.0	-3.3	.0	.3	-0.7	-0.1	-0.6	1.6	2.6	-1.6
1948	-2.9	-0.8	-0.2	-1.2	-1.4	-0.5	.3	.1	-0.6	.5	.4	1.0
1949	-1.7	-2.1	1.0	4.8	-0.6	2.7	-0.3	.1	.4	.9	.4	2.5
1950	.4	.3	-0.5	2.5	-1.5	-1.4	-1.6	-0.4	-0.3	.3	-1.6	-1.4
1951	2.2	.6	-1.6	2.8	.1	-1.0	2.4	-1.1	1.0	.1	.4	-0.4
1952	.1	2.2	2.8	-0.1	2.0	.4	-2.2	2.1	.9	-0.4	1.8	1.9
1953	1.9	1.0	.6	1.0	2.0	1.7	-1.1	-0.3	-0.9	1.4	2.0	-0.9
1954	1.0	.0	.4	-0.9	-1.4	2.2	1.9	-1.4	-1.6	1.6	2.8	1.3
1955	.7	-2.8	-3.1	-1.3	.9	-0.9	-1.5	-1.4	.7	-2.5	-1.2	-2.3
1956	-1.6	-0.6	-0.7	-2.1	-1.6	-0.0	2.2	2.4	.4	-0.8	-0.0	.9
1957	.2	-0.4	2.4	-1.1	1.9	.9	.5	-1.6	.2	-2.1	.1	-1.9
1958	-1.0	1.4	-2.8	.1	.5	.8	-0.2	-0.6	-0.1	.6	.9	1.7
1959	-0.2	-1.2	3.2	-3.6	1.1	.3	-2.3	1.9	1.2	.4	-0.5	-1.1
1960	.4	-2.4	1.1	-0.4	-1.8	-0.2	.5	-2.4	-0.6	1.6	1.3	.2
1961	.1	1.4	.0	-3.1	-2.5	-1.0	1.0	.3	-2.2	-1.1	.6	4.3
1962	.1	.5	-2.4	-0.8	-1.7	-1.9	.0	1.1	-1.9	.7	-0.5	1.1
1963	-0.0	3.6	.8	-0.8	-1.6	.1	.6	1.0	-0.8	1.1	-0.5	.5
1964	-0.1	3.0	1.3	.1	.2	.5	1.3	-0.3	.5	.8	-0.8	-0.4
1965	-0.2	-2.0	2.8	.8	.4	-0.0	1.5	.2	-1.0	1.5	-2.5	-2.0
1966	-0.9	-3.7	-2.9	1.9	.9	.7	-0.8	-0.6	-0.8	-2.0	-3.2	2.0
1967	.5	.9	-0.4	-0.1	1.9	-1.2	-1.5	.5	1.3	-0.4	-0.3	.7
1968	-0.7	4.1	-4.1	3.4	2.0	.0	-1.3	.4	2.6	1.2	.9	-0.5
1969	.5	-0.9	.8	2.6	-1.4	-2.4	1.1	1.2	.8	.2	-1.4	.1
1970	1.0	-0.6	1.0	.4	.2	1.7	-0.3	-0.3	1.2	-1.0	-0.6	-1.4
1971	.7	.5	-1.1	.6	.8	.5	.2	.6	1.5	-1.4	-0.1	-2.2

POINT NO. 9 (I,J)=(17,45)

LAT. 25.08N LONG. 149.09E

TABLE C-3

RESULTANT MERIDIONAL COMPONENT OF WIND VECTOR

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
RESULTANT=	.6	.4	.2	-0.5	-1.7	-1.9	-1.6	-1.6	-0.4	-0.5	.3	.9

STANDARD DEVIATION OF MONTHLY RESULTANTS

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
	.8	.9	1.1	1.0	.9	1.2	1.0	1.1	1.3	1.4	.9	1.0

MONTHLY ANOMALIES

1946	1.0	1.6	.1	-0.3	-0.6	.1	-0.3	-0.7	3.3	-0.2	.3	-1.2
1947	-0.9	-1.3	-0.3	-1.6	-1.7	-2.5	-0.1	.9	.5	-2.1	-1.6	.8
1948	-0.4	.3	1.2	1.2	.1	-0.7	1.0	-1.7	.3	-0.7	1.1	.5
1949	-0.7	-0.3	.1	-0.5	.5	-2.5	.2	-2.3	-2.3	-1.5	-0.7	-0.7
1950	-0.3	-1.5	-0.1	-1.3	.1	.0	-1.1	-2.0	-2.4	-1.5	-1.0	1.7
1951	-0.1	1.4	.8	-0.4	-1.0	-0.0	.4	-0.0	.9	.1	.1	.2
1952	-0.0	-1.9	-1.8	-0.2	-0.7	1.1	-0.9	.0	.3	-0.2	-0.9	-0.5
1953	.4	.2	-0.8	-0.0	.6	1.2	-2.7	-1.1	.1	-0.6	-0.0	-1.6
1954	-0.2	.0	.0	-1.5	-0.9	-1.1	-0.3	-1.4	-0.1	1.3	-0.5	1.7
1955	1.0	-0.5	1.3	.4	-0.9	1.8	-0.3	.2	-1.9	-1.5	.1	-1.7
1956	-1.1	-0.2	.7	-0.8	-0.3	2.4	-0.5	-0.1	-0.1	1.7	-0.4	1.2
1957	-0.7	.1	-1.2	1.1	.9	-0.8	.4	.5	-0.5	.7	.1	-1.4
1958	.5	-0.8	-0.7	.3	-1.0	-2.1	-1.0	1.7	-0.1	3.7	-1.9	-0.5
1959	.2	.1	.6	-1.1	.2	-0.1	.8	.8	.1	-0.5	-1.1	.5
1960	.8	-0.2	.9	-1.3	.4	-0.5	-0.9	-1.4	.6	-2.0	.6	-1.8
1961	1.6	-0.6	-0.8	-0.8	-0.4	-0.2	-0.5	.3	-0.0	-1.6	.7	-0.8
1962	-1.3	.7	-1.5	.0	.8	-0.3	.7	1.0	1.3	-1.1	-0.4	1.5
1963	-0.7	.3	.9	1.2	1.3	1.4	.5	1.3	-0.4	1.0	.0	-0.1
1964	-1.3	-0.2	-0.2	1.5	1.2	1.3	.5	-0.1	.4	1.3	.6	-0.4
1965	-0.6	1.5	.2	.8	-1.1	-0.3	.9	.9	-0.7	.5	1.0	-0.3
1966	.1	-1.2	-1.7	.0	.1	.7	1.7	-0.5	-1.0	2.0	.7	-0.2
1967	.5	.8	2.3	.9	-0.1	-0.2	1.0	-0.1	-1.8	-0.8	1.0	-0.5
1968	.1	-0.4	-1.4	-0.7	-0.3	.3	-1.9	1.5	-0.7	.2	1.7	.5
1969	.3	.4	-0.2	1.8	-0.6	.1	.4	1.2	.8	-1.4	-0.8	.9
1970	.1	.2	-0.3	.3	1.8	.4	1.8	1.3	1.4	2.3	.7	1.3
1971	1.8	1.4	1.8	.8	1.7	.4	-0.0	.2	1.9	.9	.5	.8

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POINT NO. 21 (I,J)=(23,35)

LAT. 56.18N LONG. 171.57E

TABLE C-4

RESULTANT MERIDIONAL COMPONENT OF WIND VECTOR

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
RESULTANT=	.0	2.7	1.3	.4	1.0	.5	-1.2	-0.3	1.2	.8	1.5	.9

STANDARD DEVIATION OF MONTHLY RESULTANTS

	3.9	2.7	2.7	2.3	2.3	1.5	1.2	1.1	1.9	1.8	3.8	2.4
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MONTHLY ANOMALIES

1946	5.1	3.1	2.2	-1.6	.6	-1.2	-0.2	-1.3	-1.8	.7	-4.4	-1.3
1947	2.0	.1	.3	1.4	1.8	2.4	-1.1	-0.0	.6	.8	7.8	2.6
1948	2.5	-3.4	-3.9	-5.6	.1	2.3	1.1	.8	-3.0	1.4	1.1	-1.0
1949	-1.6	-4.1	1.9	1.1	.4	-0.4	.8	.4	1.6	1.2	3.3	-0.4
1950	-6.7	-2.5	4.2	-0.8	.5	-3.0	-0.5	.2	1.0	.1	-6.8	-0.3
1951	-0.5	2.9	-3.7	4.8	.4	.7	1.6	.7	.0	-0.5	1.0	-5.0
1952	-2.5	1.6	3.6	-0.0	-1.5	1.7	1.8	1.6	-2.7	1.0	4.2	.2
1953	3.9	1.5	2.1	2.5	4.0	-1.0	-0.0	-1.1	-1.9	-0.4	1.4	4.4
1954	-2.9	-0.8	-1.9	-3.0	1.9	.7	1.6	.4	1.5	5.3	1.3	1.5
1955	8.1	-2.5	-1.6	.1	4.0	-0.1	-0.2	-1.0	-0.2	.5	-1.2	-3.8
1956	-4.3	.8	4.5	.4	.5	2.4	.5	-0.9	2.6	-2.8	-0.0	3.4
1957	-2.3	-0.2	3.3	2.5	1.6	.7	-1.1	.5	2.5	-0.2	.6	.7
1958	3.3	2.8	-1.4	3.0	2.8	1.0	.3	-1.2	1.3	.7	-0.4	2.4
1959	-2.8	-0.3	1.6	-0.7	.6	-2.5	-1.3	.0	1.0	2.7	3.7	-1.4
1960	4.1	1.6	-3.5	-0.8	.9	-0.6	-0.1	.1	-2.0	-0.2	1.8	2.1
1961	4.2	-2.2	2.1	-2.8	1.0	-2.2	-0.2	1.3	-1.7	-2.9	.2	3.7
1962	-4.6	-0.9	-2.8	-3.4	-2.1	-2.1	-1.4	2.0	-2.9	-0.1	1.0	-2.7
1963	3.3	-0.1	-0.3	-2.5	-2.5	.6	-3.4	-0.7	1.5	.2	-0.8	.1
1964	4.8	2.3	.1	1.1	-5.4	1.2	1.7	-1.2	2.4	-1.2	-0.6	.1
1965	1.2	-2.9	2.2	-2.1	-2.6	.5	-0.5	.6	2.4	-1.8	-7.7	-0.9
1966	.9	-6.7	-3.1	2.2	-1.7	.1	.0	.1	-2.1	.1	-7.3	.1
1967	-1.2	-1.1	-4.7	-1.1	-4.5	.1	-2.1	-0.3	2.9	.7	2.5	1.1
1968	-5.4	1.2	-1.9	1.2	.1	-1.9	.4	.5	-0.7	-1.5	6.4	-3.5
1969	-7.1	1.2	-2.1	1.3	-1.1	.0	-0.4	-2.8	-2.1	1.4	-0.5	2.4
1970	.9	5.3	2.2	2.5	-1.6	.9	1.4	-0.3	-1.2	-1.9	-5.2	-3.1
1971	-2.3	3.4	.6	.3	1.8	-0.5	1.2	1.5	.9	-3.3	-1.3	-1.6

POINT NO. 16 (I,J)=(21,36)

TABLE C-5

LAT. 48.88N LONG. 170.02E

RESULTANT MERIDIONAL COMPONENT OF WIND VECTOR

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
RESULTANT=	-1.2	.7	-1.1	-1.7	-0.9	.2	-2.0	-1.6	-0.2	-0.8	-0.5	-1.0

STANDARD DEVIATION OF MONTHLY RESULTANTS

	2.9	2.9	2.4	2.3	2.0	2.1	1.4	1.3	1.8	1.8	2.4	2.5
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MONTHLY ANOMALIES

1946	2.7	2.0	.8	-2.2	1.9	-3.0	-0.2	-0.6	-0.6	-0.5	-0.9	-0.5
1947	1.7	1.3	1.4	1.0	.5	2.1	-1.2	1.4	.8	-1.0	4.8	.2
1948	3.2	-0.4	-2.9	-1.2	1.3	1.1	-0.3	-0.5	-2.5	.7	2.1	-1.4
1949	-1.7	-3.8	-0.1	2.5	.4	.5	-0.5	.1	-0.3	.8	-0.1	-3.6
1950	-5.4	-0.7	3.0	-1.2	-1.3	-2.5	-2.6	1.2	.3	-1.6	-4.7	-2.0
1951	1.2	-0.8	-2.1	4.9	1.8	-0.8	1.3	2.0	.3	.3	-0.5	-1.0
1952	-3.7	2.5	1.7	.3	-3.8	-0.1	1.2	-2.1	-1.2	1.1	-0.1	.7
1953	4.4	2.3	-0.3	2.8	2.2	-1.8	2.5	-1.8	-1.2	1.1	-0.1	4.7
1954	-0.4	2.0	-1.9	-1.7	-2.5	4.7	.7	-0.5	.5	5.3	-0.7	.6
1955	4.7	-5.8	-2.0	-1.1	3.2	-1.0	-0.3	-2.3	-0.9	-0.4	1.5	-2.7
1956	-2.6	-0.9	3.9	-0.5	.1	1.2	1.1	-2.0	3.7	-2.3	.2	4.8
1957	.5	.3	1.3	.1	1.2	3.4	.1	1.4	5.6	.6	-0.6	-0.9
1958	3.0	2.6	-2.5	-1.5	.8	1.8	.6	-1.0	.6	-0.6	-1.1	2.8
1959	-1.2	-3.8	5.0	-1.6	2.0	-0.8	-0.4	-0.6	1.3	3.2	2.6	-2.4
1960	1.0	.4	-2.6	-1.6	1.8	.6	-1.1	.9	-0.9	.7	2.1	-0.4
1961	.5	-4.2	3.2	-5.2	-1.1	-4.3	1.3	1.8	-3.1	-1.6	-1.2	5.7
1962	-4.2	1.9	-4.3	-3.0	-0.3	-3.0	-1.2	-1.3	.1	1.0	.4	.4
1963	2.8	-0.4	.2	-0.2	-4.3	-0.6	-2.4	.9	-1.0	-0.8	2.7	1.7
1964	2.4	2.9	.4	-0.8	-1.1	1.7	.1	-0.3	-0.3	-3.0	-0.7	1.8
1965	2.0	-4.8	1.1	-0.2	-2.6	.9	.6	.7	2.0	-1.4	-4.7	-1.7
1966	-0.2	-5.7	-0.5	4.1	-0.4	1.7	1.8	1.4	-2.1	1.5	-2.2	-0.0
1967	-2.0	1.1	-2.6	.1	-3.1	-0.1	-3.3	-0.4	1.5	1.0	1.9	.4
1968	-5.6	3.4	.5	1.9	2.4	.6	-0.8	1.4	-0.3	-2.7	5.2	-3.5
1969	-4.6	1.5	-2.6	1.0	-0.4	1.8	1.0	-0.8	-1.7	1.7	-1.0	1.5
1970	1.6	3.7	3.8	3.8	-0.9	-0.6	.3	-0.4	-1.3	-2.1	-3.7	-3.3
1971	-0.1	3.4	-1.6	-0.6	2.3	-3.4	1.5	1.4	.7	-1.2	-1.1	-1.9

POINT NO. 11 (I,J)=(18,37)

TABLE C-6

LAT. 39.05N LONG. 170.35E

RESULTANT MERIDIONAL COMPONENT OF WIND VECTOR

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
RESULTANT=	-1.8	-2.0	-2.8	-2.4	-1.7	-1.8	-3.6	-2.7	-1.2	-1.0	-1.1	-1.7

STANDARD DEVIATION OF MONTHLY RESULTANTS

	1.5	1.8	1.5	1.5	1.7	1.1	1.4	1.1	1.3	1.2	1.4	2.1
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MONTHLY ANOMALIES

1946	-1.3	-0.4	-0.2	-2.9	3.2	-0.8	-0.3	1.0	-1.1	-0.9	-0.3	-3.5
1947	-1.8	.9	1.7	-0.2	-1.0	.4	.2	.5	-1.0	-1.0	-1.6	-1.6
1948	.8	.5	.4	1.9	1.8	-0.7	-1.1	-0.5	-0.2	-0.6	-0.5	-1.1
1949	-2.2	-2.3	.3	-3.3	-0.6	.1	-1.3	-1.0	-0.4	.9	.3	-2.4
1950	-0.8	.1	.7	-0.2	-0.3	-0.2	-0.6	-0.7	-1.5	-0.7	1.9	-2.4
1951	-0.2	-1.2	1.1	.8	.2	-1.2	.7	.5	-0.3	-0.9	-0.7	-0.6
1952	-1.1	1.6	.1	1.2	-2.8	-1.1	2.9	-1.1	.1	-0.4	.1	1.9
1953	1.4	1.4	-2.8	1.0	1.4	-1.3	.6	-1.9	2.5	-0.9	-2.7	.1
1954	1.0	-1.0	-1.0	1.7	-1.9	.5	-2.7	.6	2.3	1.3	.2	-1.0
1955	-0.7	-3.4	-0.4	-2.8	-0.4	-0.6	.9	.3	-2.0	-0.8	1.5	2.3
1956	-1.1	-0.7	-1.0	-0.8	-1.1	-0.7	-1.9	-1.5	2.1	1.0	.5	3.8
1957	.9	.8	-1.1	-0.9	-0.5	1.1	1.0	1.9	1.9	1.7	-0.0	-1.5
1958	2.3	3.1	-1.8	-1.1	-1.0	.6	-1.0	-0.2	1.7	-1.3	.3	-0.6
1959	1.5	.1	.9	2.0	-0.5	.4	2.3	-1.0	-0.6	2.2	.7	-1.7
1960	-0.1	-0.3	-0.9	.9	2.5	1.7	-2.0	2.4	-0.1	-1.2	-0.9	.9
1961	2.0	-2.4	3.3	-0.7	-1.2	-1.2	2.4	.1	1.1	2.3	-1.7	2.1
1962	-0.1	1.7	-3.4	1.6	-1.6	-0.0	.2	-0.9	-0.3	-1.1	.4	2.6
1963	.4	.1	-0.0	1.3	.4	1.6	1.0	.3	-1.7	.8	1.1	1.1
1964	2.2	1.4	.6	-0.8	5.0	-0.8	-1.7	.3	-2.3	-0.2	1.4	6.3
1965	2.7	-2.6	-0.7	1.3	-1.0	1.5	-0.1	1.6	1.2	-2.1	-2.4	-1.8
1966	-0.5	-3.1	1.4	.9	-2.2	1.7	1.3	1.5	-0.5	1.7	2.9	-0.2
1967	-1.5	-1.2	.9	2.1	.4	-0.1	.2	-0.5	.3	.9	.5	1.1
1968	-1.9	3.3	1.6	-1.1	.1	1.9	.5	.8	.9	-1.5	1.1	-0.5
1969	-3.0	-1.4	.3	-1.5	-0.4	.6	.1	-1.4	-0.9	1.2	1.0	-1.0
1970	1.8	2.0	1.6	-0.1	1.0	-1.2	-0.9	-0.6	-0.6	-0.7	-0.9	-2.1
1971	-0.7	2.6	-1.6	-0.1	.7	-2.4	-0.7	-0.4	-0.6	.3	-2.4	-0.2

POINT NO. 6 (I,J)=(16,38)

TABLE C-7

LAT. 32.59N LONG. 169.44E

RESULTANT MERIDIONAL COMPONENT OF WIND VECTOR

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
RESULTANT=	-1.6	-2.2	-2.4	-1.1	-1.4	-1.9	-2.5	-1.7	-0.6	-0.7	-0.7	-1.1

STANDARD DEVIATION OF MONTHLY RESULTANTS

	1.1	1.1	1.1	1.6	1.4	1.1	1.4	1.2	1.4	1.4	1.4	1.7
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MONTHLY ANOMALIES

1946	1.0	-0.5	-0.2	-1.2	.6	.8	-0.4	1.6	-1.0	2.3	1.5	-3.3
1947	-1.4	.3	.0	-1.5	-1.3	.0	.8	1.7	-2.3	-2.0	-1.3	-1.1
1948	-0.2	-0.8	.9	3.0	2.3	.5	-1.6	.5	.4	-0.7	-1.0	.5
1949	-1.5	-1.8	-1.7	-3.6	.3	-1.3	.3	-0.6	-0.2	-0.8	-0.5	-1.0
1950	1.6	.4	-0.2	-0.9	.3	.8	.3	-1.6	-1.7	-2.9	2.1	-1.8
1951	-1.8	1.2	1.8	-0.6	-1.2	-1.1	-0.9	-1.4	-1.3	.4	-1.3	.1
1952	1.2	-0.7	-1.6	.7	-1.5	.7	2.4	-0.1	1.0	-0.3	.2	.4
1953	.5	.1	-0.9	.2	.2	1.0	-0.8	-0.4	2.3	-1.8	-2.2	.2
1954	-1.0	-0.1	.6	2.3	-2.1	-1.1	-2.8	1.3	2.3	-2.0	-1.9	-2.4
1955	-1.1	-1.9	.7	-1.0	-1.5	.1	.9	.2	-0.2	.4	.3	3.3
1956	1.1	1.0	.7	-1.1	-0.2	-1.3	-1.5	-1.0	.8	.2	.1	1.8
1957	1.0	1.5	-1.8	-0.8	-0.3	.2	1.1	1.1	.6	1.1	-0.2	.2
1958	1.8	2.2	-0.5	-0.5	-0.5	-0.1	-0.3	-0.7	.8	.5	-0.1	-0.1
1959	2.0	.4	-0.3	1.8	-1.1	.1	.6	-2.3	-0.3	1.6	-0.3	-0.6
1960	-0.0	.0	1.4	-1.6	1.4	.7	-0.4	3.3	1.0	.6	-0.7	-0.8
1961	-0.4	-1.7	.7	.6	-0.6	-0.1	.1	-0.3	2.9	2.7	-1.8	-0.7
1962	-0.5	-0.5	-1.4	2.0	-0.8	1.6	.7	-0.6	-0.5	-1.2	-1.0	.3
1963	-0.5	-0.9	2.0	2.6	2.0	2.1	2.3	.3	-1.0	2.9	-0.4	.4
1964	-0.1	-0.4	-0.1	.0	4.2	-0.5	-2.4	-0.4	-0.6	.5	.4	5.3
1965	1.1	-2.1	-0.6	.5	-0.0	-0.9	-0.9	-0.1	1.3	-1.8	.8	-0.2
1966	-0.8	.5	-1.1	-0.0	-1.0	-0.1	1.1	-0.8	-0.1	.7	3.2	-0.7
1967	-1.5	-0.2	2.7	2.7	-0.4	.0	3.1	-0.6	-0.1	.7	2.5	-0.1
1968	.9	1.9	-0.0	-0.6	-0.2	.9	.0	.7	2.7	-0.6	.8	2.1
1969	-1.5	-0.0	-0.3	-2.1	-0.8	.8	.6	-0.2	-2.7	-0.4	2.9	-1.6
1970	.3	.6	-0.4	.6	1.8	-0.8	-2.2	1.7	-1.9	.2	-0.9	-1.2
1971	-0.3	1.5	-0.5	-1.7	.5	-3.1	-0.1	-1.2	.1	.2	-1.2	1.0

POINT NO. 3 (I,J)=(13,39)

LAT. 24.04N LONG. 169.78E

TABLE C-8

RESULTANT MERIDIONAL COMPONENT OF WIND VECTOR

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
RESULTANT=	.6	.6	.7	1.6	1.2	.5	.4	.2	.6	.9	1.4	1.2

STANDARD DEVIATION OF MONTHLY RESULTANTS

	1.3	1.1	1.0	.9	.9	.9	.8	.8	1.0	1.0	1.1	1.1
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MONTHLY ANOMALIES

1946	-0.3	1.4	.2	.7	-0.5	1.9	-2.4	-0.7	-1.3	1.5	1.7	.1
1947	-0.1	-1.4	.3	-0.2	.3	-1.3	.8	1.2	.7	-1.1	-0.4	-0.6
1948	.4	-0.8	.4	.6	-0.2	1.5	.2	-0.2	.9	-1.5	.1	2.2
1949	1.2	-1.6	-1.2	-0.9	1.2	-0.3	.7	.6	-0.1	-0.1	-1.1	-0.7
1950	.2	1.8	-1.0	-0.2	1.3	.5	-0.1	-1.1	.4	-0.7	-1.6	-0.9
1951	.4	-0.6	2.1	.4	-1.1	.3	.1	-0.6	-0.8	.7	-2.0	.7
1952	4.4	-0.3	-0.7	.2	-0.4	.2	1.0	.1	-0.3	.7	-0.2	.6
1953	-0.9	1.3	.6	-1.5	-0.3	.6	-0.2	1.2	.5	.1	-1.0	.8
1954	.3	.5	.6	1.2	.1	.1	-1.2	1.4	1.7	-1.3	-1.8	-2.5
1955	.9	-0.2	-0.1	.5	-0.1	.2	.0	-0.6	1.4	1.1	.0	1.6
1956	.8	1.1	2.1	.5	.7	-1.5	.2	.3	.5	-1.6	.2	-0.2
1957	1.0	2.0	-1.2	-1.3	-1.6	-0.1	.3	.2	.9	.7	.9	1.4
1958	.4	.2	-0.3	-0.1	.1	1.0	1.0	1.0	.4	1.0	.7	-1.1
1959	2.0	.7	-0.0	1.5	-0.7	-0.4	-0.2	-0.5	.4	1.1	-0.6	-0.6
1960	-0.4	.1	-1.0	-0.5	-0.2	1.3	.7	1.7	.4	1.5	.7	-0.3
1961	-0.8	-2.0	1.2	1.2	1.0	-0.9	-0.5	-0.4	.0	.3	-0.7	-1.0
1962	-0.8	-0.0	1.5	-0.7	.6	1.1	.7	.3	-1.1	-0.8	.0	-1.2
1963	-2.6	-1.8	.6	1.3	.7	-0.2	.7	.6	.9	.6	-0.0	-0.0
1964	-0.2	-0.4	.8	1.2	1.1	-0.7	-0.5	-0.2	.7	.2	.8	2.1
1965	-0.2	-1.8	-2.2	-0.9	.9	-0.0	-1.0	.1	1.0	-0.7	1.8	.3
1966	-0.4	.9	.1	-0.7	-1.1	-1.1	.6	-0.4	-0.1	-0.5	.4	-1.9
1967	-1.1	-0.3	-0.4	.5	-0.8	-0.3	.5	-0.5	-2.5	.1	.6	-0.5
1968	-1.1	-0.7	-0.9	-1.2	-2.0	-1.8	-0.1	-0.2	-0.9	.8	-0.3	.6
1969	.1	1.6	.4	-0.3	.9	1.0	-0.2	-0.9	-2.4	-2.7	2.8	.3
1970	-0.6	.1	-1.4	-0.2	.7	.1	-1.4	-0.5	-0.0	.0	-0.9	-0.2
1971	-2.5	-0.1	-0.4	-1.3	-0.7	-1.2	.2	-2.0	-1.5	.6	-0.2	1.2

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170W

POINT NO. 20 (I, J)=(23, 32)

TABLE C-9

LAT. 57.82N LONG. 170.00W

RESULTANT MERIDIONAL COMPONENT OF WIND VECTOR

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
RESULTANT=	-0.5	1.1	.1	.2	.3	-0.2	-1.8	-1.7	1.0	1.1	.2	.2

STANDARD DEVIATION OF MONTHLY RESULTANTS

	3.1	3.4	2.8	2.4	1.8	1.8	1.9	1.9	2.7	2.6	2.3	2.9
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MONTHLY ANOMALIES

1946	-1.7	.6	1.1	.2	2.7	-5.0	-1.9	1.0	.2	-4.7	.1	.2
1947	-1.5	2.2	2.8	1.4	-1.6	1.1	-3.7	-0.2	1.5	.8	.9	3.5
1948	1.5	.3	-1.6	-2.9	2.7	-0.4	-1.6	-2.3	.4	1.1	1.4	-2.0
1949	-3.8	-3.1	-5.6	2.0	-1.9	1.5	-1.9	-3.0	-1.5	-2.4	-1.6	-6.7
1950	-5.4	3.4	2.2	-0.5	.8	-2.2	-2.9	-2.3	-0.0	-2.2	-2.8	-2.3
1951	2.7	-5.0	2.2	1.6	1.7	1.0	-2.9	.2	4.1	-3.1	-2.9	-3.3
1952	-2.0	-0.7	-0.6	.0	-2.4	-1.8	1.2	-0.8	1.4	.5	-0.7	2.5
1953	3.3	2.6	1.5	1.4	-0.9	-1.4	2.3	.2	.8	2.3	.5	4.0
1954	.4	2.2	-3.7	.9	-3.1	2.7	-0.9	-4.0	-4.5	4.6	3.0	1.4
1955	1.3	.0	-0.2	-0.9	2.3	-1.6	-0.6	.8	-2.5	2.8	1.5	-1.3
1956	2.0	-2.1	-0.1	.0	1.6	-0.8	1.5	2.8	-3.2	-2.5	.6	2.3
1957	-4.1	.0	1.0	-4.8	-2.1	.8	2.8	-0.7	4.6	.4	1.9	.3
1958	6.5	2.2	-5.3	-3.7	-0.2	1.1	3.5	3.0	-1.3	-0.3	-1.0	1.6
1959	3.1	-4.8	2.3	-0.0	-0.3	-0.3	2.9	.7	.4	1.0	.4	2.2
1960	-1.3	-4.1	2.5	3.8	.1	.6	.3	.3	.8	.4	.3	-1.2
1961	2.3	2.6	3.5	-3.0	-1.3	-2.0	.5	2.1	-5.5	-1.6	-1.3	4.2
1962	-0.0	-7.7	-2.4	2.5	-1.5	-1.8	-0.0	-1.4	1.1	1.2	2.7	2.3
1963	-2.1	4.5	-3.2	-0.2	-3.5	-0.7	-0.6	-2.2	2.1	2.9	2.4	.3
1964	2.1	3.4	-0.2	-2.5	-0.8	2.1	2.5	-0.2	-4.7	-0.8	2.1	-3.1
1965	3.1	-0.5	-1.8	-0.9	.1	1.8	-0.5	-3.2	-1.7	1.3	-4.4	-0.4
1966	-0.7	-4.4	4.6	1.3	.1	.8	.1	2.1	1.3	4.3	-2.0	2.3
1967	-2.4	-2.5	-5.9	-4.7	1.9	-1.1	-0.5	1.3	3.8	.7	-1.5	-5.9
1968	-4.0	7.3	1.5	1.6	1.6	2.1	-1.2	.4	3.2	-3.8	3.3	-0.7
1969	-6.0	.2	1.8	.9	-0.5	2.7	1.8	1.1	-0.4	4.2	4.0	3.7
1970	3.6	-0.5	2.5	1.8	2.2	1.4	.1	1.0	2.3	-4.5	-5.4	-1.6
1971	3.3	3.6	1.3	4.6	2.5	-0.8	-0.5	3.2	-2.7	-2.7	-1.5	-2.4

POINT NO. 15 (I,J)=(21,32)

TABLE C-10

LAT. 51.16N LONG. 170.00W

RESULTANT MERIDIONAL COMPONENT OF WIND VECTOR

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
RESULTANT=	-1.8	-2.2	-2.3	-1.8	-1.3	-1.5	-2.7	-2.8	-0.8	-0.2	-1.4	-1.4

STANDARD DEVIATION OF MONTHLY RESULTANTS

	3.1	3.0	2.8	2.1	2.1	1.8	1.7	1.7	2.3	2.0	2.3	2.4
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MONTHLY ANOMALIES

1946	-5.3	-1.6	-0.2	-1.6	1.7	-2.9	-0.1	1.4	.1	-4.4	3.1	-1.6
1947	-0.5	2.4	2.3	.4	-1.6	-0.3	-2.4	-0.7	1.2	.3	-1.9	.6
1948	-1.3	.8	.3	.2	2.5	-0.9	-0.7	-2.2	-1.4	-0.6	-1.1	-4.6
1949	-3.6	-0.6	-5.0	1.7	-1.5	-0.7	-0.8	-1.8	-0.7	-1.3	.0	-3.7
1950	-1.8	4.2	-0.1	1.4	1.6	.5	-1.0	-0.3	-0.2	-0.2	3.2	1.1
1951	.6	-4.7	1.3	-1.5	1.5	3.4	-1.3	-0.0	3.4	-4.7	-1.4	-2.6
1952	-0.3	-1.3	-2.0	1.3	-1.0	-3.6	.1	-0.4	2.9	.1	-4.9	2.1
1953	-0.1	-1.1	-0.3	-0.8	-1.7	-1.5	4.0	-1.6	-0.2	.9	-0.4	1.3
1954	2.5	1.6	-2.0	3.7	-3.9	1.6	-0.9	-2.3	-3.7	3.2	2.1	1.2
1955	-3.4	-3.0	2.7	-2.2	-0.5	-2.1	-2.1	1.6	-1.3	1.1	3.8	1.3
1956	4.0	-2.1	-0.8	-0.7	.0	-2.1	1.4	3.4	-4.6	-1.0	4.1	2.2
1957	-4.7	1.0	-0.8	-3.0	-1.4	1.6	2.8	-0.5	3.3	2.0	1.6	-0.4
1958	4.9	3.3	-3.9	-0.5	-2.4	-0.1	2.5	3.2	-0.7	-1.1	-0.6	2.4
1959	5.7	-2.5	5.2	.7	.1	1.2	4.0	-0.9	-0.7	-0.5	-0.4	1.6
1960	-3.0	-1.8	4.1	2.9	.9	1.2	-0.1	-1.9	-0.5	-0.5	.1	-1.0
1961	1.9	3.0	3.2	-0.7	-1.7	.1	-0.8	-0.9	-2.8	-0.1	-1.6	.0
1962	3.4	-4.8	-1.6	4.9	-2.4	-1.9	1.1	-1.9	3.1	.1	1.4	5.0
1963	-1.5	5.5	-5.6	1.1	-1.8	-1.9	.2	2.8	-0.3	1.8	.3	1.9
1964	.0	.7	-1.1	-2.9	-0.5	.3	-0.9	-1.8	-3.3	-1.5	1.6	-0.5
1965	1.9	-0.6	-1.0	.6	-1.2	.2	.6	-1.1	-1.0	2.5	-3.0	-0.8
1966	-1.4	-2.7	5.0	-0.5	-1.0	2.1	-1.2	1.8	.7	.9	-1.6	-0.6
1967	-1.6	-3.1	-3.7	-4.7	4.9	-0.4	-3.4	1.6	3.6	1.4	-4.4	-0.3
1968	-1.1	6.5	2.9	.9	3.3	3.5	.0	-0.1	3.6	-1.0	.5	1.0
1969	-3.9	-1.7	-0.9	-0.7	-0.4	2.2	.3	.3	-1.0	4.7	2.7	2.9
1970	3.0	-0.7	1.5	-1.5	3.5	.3	-0.5	1.3	2.4	-2.0	-1.3	-2.8
1971	5.7	3.3	.3	1.7	2.9	.2	-0.5	1.1	-1.9	.1	-2.0	-5.7

POINT NO. 12 (I,J)=(19,32)

TABLE C-11

LAT. 44.77N LONG. 170.00W

RESULTANT MERIDIONAL COMPONENT OF WIND VECTOR

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
RESULTANT=	-2.0	-3.6	-3.5	-1.9	-2.2	-2.5	-3.3	-3.4	-1.3	-0.5	-1.7	-2.1

STANDARD DEVIATION OF MONTHLY RESULTANTS

	2.9	2.6	2.2	2.1	1.7	1.8	1.7	1.6	1.6	1.4	2.3	2.3
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MONTHLY ANOMALIES

1946	-2.6	-2.2	-3.1	-1.4	3.1	-1.7	-0.3	2.3	.4	-1.8	1.2	-0.4
1947	-1.9	3.6	-0.4	-0.5	-1.1	-0.7	-2.8	-2.3	-1.4	2.1	-3.2	-2.2
1948	-0.9	-0.9	1.8	.6	1.1	-1.8	-0.1	-1.2	-0.9	-0.2	-3.2	-4.1
1949	-1.9	.2	-4.3	.1	-0.3	-2.8	-1.0	-1.4	.9	-1.7	-0.1	-2.2
1950	.2	2.2	-0.7	1.4	1.3	1.7	1.0	-0.6	1.0	-0.4	6.0	2.3
1951	-2.1	-0.7	2.2	-2.0	-1.2	4.5	-1.7	-0.6	3.0	-2.3	-0.2	-1.2
1952	1.3	-1.9	-1.9	.1	.1	-3.5	.5	.9	.8	-1.1	-3.7	2.2
1953	-0.1	-3.9	-0.7	-0.7	.1	-0.4	1.4	.5	.7	2.0	-0.6	-0.3
1954	2.3	.4	-0.9	4.3	-1.5	-0.8	-0.9	.4	-2.1	-0.1	2.4	.7
1955	-3.7	.6	4.2	-2.1	-1.9	-0.5	-3.7	2.6	-0.0	-1.3	2.5	2.4
1956	3.8	-2.4	.3	.1	-0.5	-0.4	1.9	3.0	-3.8	.7	3.6	1.7
1957	-5.5	-0.3	-1.3	-2.0	-0.2	.5	2.2	-1.0	-1.4	.8	.5	-0.7
1958	2.9	2.8	-0.0	-0.1	-2.0	.3	.9	2.7	-0.4	-0.8	2.0	1.3
1959	5.3	-1.3	1.1	3.1	-0.0	1.6	3.5	-1.1	-0.9	-2.7	.0	.2
1960	-2.1	1.7	2.4	1.4	-0.6	-1.3	1.4	-2.8	-0.4	1.5	-2.8	2.0
1961	1.9	.5	1.7	.9	-1.5	1.8	-1.5	.1	1.1	-0.6	-1.6	-3.7
1962	4.8	-3.2	-0.3	6.1	-2.8	.7	1.3	-2.0	.6	-0.2	.0	4.3
1963	-1.2	5.2	-4.1	1.5	-1.6	-4.1	1.2	2.1	.1	.0	.0	1.0
1964	-1.5	-1.2	-1.5	-0.7	-0.1	.8	-2.4	.3	-1.6	1.2	-0.1	-0.5
1965	-1.4	-2.9	-0.3	.0	-1.0	-0.4	1.6	.1	1.0	2.4	-0.3	-1.8
1966	-3.4	.4	4.2	-1.4	-0.0	.6	-1.5	.7	.9	1.4	-0.0	-2.0
1967	-1.4	-2.5	-0.9	-3.3	4.8	1.1	-0.9	.3	2.6	-0.2	-4.7	2.6
1968	1.8	6.5	3.5	-0.4	2.8	1.7	.3	-1.7	1.8	-0.9	.7	2.6
1969	-1.7	-1.6	.1	-0.4	1.1	2.4	-0.5	-0.5	-1.1	2.9	1.8	2.2
1970	1.3	-2.1	-2.8	-4.2	1.5	.2	-0.3	1.3	1.7	-1.3	.4	-2.0
1971	5.6	2.9	1.6	-0.6	.8	.5	.4	-2.0	-2.6	.5	-0.8	-4.6

POINT NO. 8 (I,J)=(17,32)

LAT. 38.65N LONG. 170.00W

TABLE C-12

RESULTANT MERIDIONAL COMPONENT OF WIND VECTOR

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
RESULTANT=	-2.4	-3.8	-3.5	-1.7	-1.9	-3.0	-2.2	-2.7	-1.3	-0.2	-1.7	-1.9

STANDARD DEVIATION OF MONTHLY RESULTANTS

	2.4	1.9	2.4	1.9	1.3	1.3	1.1	1.4	1.3	1.6	2.0	1.9
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MONTHLY ANOMALIES

1946	-2.5	.3	-2.7	1.2	1.6	-0.5	-0.8	2.4	.9	1.5	.2	1.2
1947	-1.3	2.5	-2.2	-1.0	-1.3	-1.1	-1.6	-1.6	-0.9	-0.2	-3.6	-2.5
1948	-0.7	-0.2	.1	-1.1	-0.3	-0.9	-0.0	-0.9	-1.6	-1.5	-1.1	-2.4
1949	1.1	2.3	-3.6	-1.4	.7	-2.1	-0.2	-0.6	1.4	-2.3	-0.8	-0.3
1950	.0	-0.4	-1.1	.4	.8	1.8	1.7	-0.7	1.6	-1.4	4.4	2.5
1951	-4.0	.5	4.6	-3.7	-1.5	2.0	-0.9	-0.3	1.1	-1.4	-1.1	-0.5
1952	2.5	-0.6	-4.9	-0.3	1.2	-2.5	-0.5	-0.4	-1.1	.7	-2.3	-0.3
1953	.7	-2.8	1.1	-0.1	-0.2	.4	.1	1.6	1.0	-1.1	-2.7	-0.4
1954	2.9	-0.1	1.4	2.4	-0.1	-0.3	-0.6	-0.4	.1	-1.6	2.0	.2
1955	-3.5	1.1	4.7	-0.9	-2.0	.3	-1.9	2.0	1.1	-0.7	2.0	.9
1956	1.8	-3.4	.5	.7	.3	-0.7	2.8	2.1	-1.7	2.5	2.1	-2.0
1957	-3.2	-0.5	-1.5	-1.2	-0.3	-0.8	.2	-1.2	-1.2	-0.3	.6	-1.8
1958	.5	2.0	1.4	-0.5	-2.0	-0.6	-0.3	1.6	-1.3	1.0	3.1	-0.8
1959	3.3	-0.4	-2.0	1.9	-0.5	1.3	.0	.1	-1.6	-2.4	-0.7	-0.9
1960	-2.6	1.6	1.6	-0.8	-0.6	-2.0	2.0	-2.1	1.2	1.5	-2.5	2.7
1961	.1	-0.5	-0.2	2.5	-1.1	.8	-0.8	.6	.0	-2.1	-1.3	-3.2
1962	3.5	-2.5	1.2	5.5	-0.9	2.6	.7	-2.3	.3	.3	-1.6	2.6
1963	-1.8	3.0	-2.4	.6	-0.7	-1.3	-0.3	2.4	-0.5	-1.1	.1	.9
1964	-2.9	-3.0	-2.4	2.6	-2.3	-0.3	-1.8	.7	1.1	.9	-1.1	-0.5
1965	-1.9	-2.1	.4	.3	.8	-0.4	.9	-1.0	-0.5	2.5	.7	-1.0
1966	-1.7	4.0	.4	-1.1	2.6	-0.3	-0.1	.6	1.0	-0.4	.8	-0.7
1967	-0.8	-1.0	1.5	-1.0	3.0	1.5	.6	.1	.3	-1.0	-3.0	3.9
1968	2.1	2.5	3.2	.5	1.5	1.6	1.0	-0.9	2.9	1.7	2.0	3.5
1969	3.5	-1.0	.9	-1.7	1.3	1.9	-0.6	-1.9	-2.5	3.2	2.4	1.3
1970	.9	-1.8	-2.1	-2.7	.6	-0.3	-1.0	1.6	-0.1	.7	1.4	-1.8
1971	3.8	.2	2.2	-1.2	-0.6	.0	1.4	-1.6	-1.2	.9	-0.2	-0.9

POINT NO. 4 (I,J)=(15,32)

LAT. 32.84N LONG. 170.00W

TABLE C-13

RESULTANT MERIDIONAL COMPONENT OF WIND VECTOR

	JAN	FEB	MAR	APRIL	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
RESULTANT=	-1.4	-2.5	-1.6	-0.2	-0.8	-2.2	-0.1	-1.1	-0.7	.6	-0.7	-1.5

STANDARD DEVIATION OF MONTHLY RESULTANTS

	1.9	1.8	2.0	1.4	1.4	1.2	1.0	1.0	1.3	1.4	1.5	1.8
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MONTHLY ANOMALIES

1946	-0.2	.9	-1.2	.7	-0.7	-0.1	-0.3	-0.5	-0.3	1.3	.5	1.7
1947	-0.4	.9	-1.1	-1.4	-0.5	.7	-0.8	-2.5	-0.3	-1.0	-2.6	-0.5
1948	.1	-1.5	-1.5	-3.3	-1.9	.3	1.3	-0.2	-0.9	-2.2	1.9	-2.4
1949	1.6	1.9	-3.4	-1.9	1.4	-2.9	.9	.1	.9	-1.3	.5	1.7
1950	.7	-1.9	-1.6	-0.5	.1	1.6	1.8	.4	1.4	-0.5	.9	2.7
1951	-3.4	2.5	4.3	-2.0	-1.2	1.9	-0.2	-0.4	.8	-0.7	-2.3	.5
1952	1.2	-0.8	-2.0	.1	1.9	-2.4	-0.5	-0.7	-0.6	2.1	-2.4	-2.2
1953	-0.9	-0.7	.9	-0.4	-2.1	-0.9	.4	1.6	-1.4	-0.9	-2.4	1.4
1954	1.3	.2	2.5	.5	1.3	.1	.6	-0.9	-0.8	-2.0	-0.6	-1.8
1955	-0.8	1.1	3.6	.3	-1.3	-0.9	-0.2	.8	1.7	.9	1.3	-1.7
1956	-0.6	-2.9	1.3	1.4	1.3	-0.4	1.6	1.0	-3.0	1.2	2.2	-3.9
1957	.6	.2	-1.4	.1	-0.8	-0.9	-1.9	-0.8	.4	-0.4	1.8	.7
1958	-1.2	-0.4	3.5	-0.1	-0.4	.9	.8	1.1	-2.4	.4	2.6	-0.6
1959	1.4	.7	-3.0	.2	-0.4	-0.9	-1.2	.1	-2.4	-1.7	-0.4	.3
1960	-1.8	1.5	.3	-0.6	-1.6	.0	.7	-0.9	1.1	1.3	-0.9	1.2
1961	.4	-3.2	-1.2	2.0	.6	1.0	-1.2	.9	-1.3	.2	-0.2	-3.3
1962	.7	.3	1.9	2.1	1.2	3.1	-0.2	-0.2	1.3	1.2	-1.2	1.1
1963	-1.9	-0.2	-0.9	1.1	.3	-0.2	-1.6	1.8	-0.3	-2.1	-0.1	.2
1964	-3.0	-1.9	-0.5	3.5	-3.1	-0.7	-0.2	.6	1.6	-0.6	-1.2	-0.3
1965	-1.0	-0.5	-0.8	-0.0	2.2	-0.4	.9	.0	1.2	2.1	.8	-0.6
1966	-1.3	6.0	.1	-1.1	2.6	-0.1	-1.0	.7	1.1	-0.8	1.1	-1.7
1967	-1.0	-0.2	.3	.0	1.0	-0.1	-1.3	.1	.5	-1.3	-1.6	2.6
1968	-0.1	-0.2	1.2	1.3	.6	-0.1	1.5	-1.7	1.5	2.7	.8	3.5
1969	6.3	.6	.6	-1.5	.0	1.0	-0.4	-0.8	-0.2	-0.1	.6	-0.0
1970	.4	-1.1	-2.8	-0.6	.4	-0.6	.1	.7	1.1	1.4	1.4	-0.6
1971	2.8	-1.7	1.0	-0.1	-0.7	.8	.3	-0.3	-0.8	.7	-0.5	1.9

POINT NO. 1 (I,J)=(12,32)

LAT. 24.69N LONG. 170.00W

TABLE C-14

RESULTANT MERIDIONAL COMPONENT OF WIND VECTOR

	JAN	FEB	MAR	APRIL	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
RESULTANT=	.4	.7	1.6	2.1	1.8	.9	1.7	1.3	1.0	1.6	1.3	.8

STANDARD DEVIATION OF MONTHLY RESULTANTS

	1.8	1.4	1.4	1.4	1.4	.9	.7	.8	.9	1.0	1.3	1.9
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MONTHLY ANOMALIES

1946	1.3	.1	-0.2	-0.2	-0.3	-1.2	.2	-1.4	-0.6	.1	-2.9	2.2
1947	-0.7	-2.3	-0.8	.7	1.1	.2	.4	-1.2	.3	-0.4	-1.3	2.0
1948	3.0	.2	.2	-3.5	-2.6	.2	1.0	.1	-0.0	1.2	1.3	-2.0
1949	3.0	1.1	-0.8	-0.1	.7	-1.4	-0.3	.3	.6	.0	1.5	1.0
1950	.0	-0.2	-0.4	-0.4	-0.7	-0.7	.2	.4	1.3	.5	-0.8	1.0
1951	-0.3	1.2	2.1	.2	.2	1.0	.6	.8	1.0	.4	-0.5	-0.6
1952	-1.1	.1	-1.1	-0.3	1.0	-1.3	-0.9	-0.6	-0.5	1.5	.5	-0.7
1953	-2.3	1.2	1.5	-0.5	-1.6	-1.1	.0	-0.4	-1.7	-0.7	-0.5	.5
1954	-1.5	-0.1	1.5	-1.5	1.4	.1	-0.1	-1.2	-1.2	-0.1	-1.4	-0.4
1955	.3	.9	1.5	-1.9	.3	-1.2	-0.5	-0.1	.3	.7	.2	-4.0
1956	-0.9	.3	.5	1.6	1.0	.1	.2	.1	-0.9	-1.3	1.7	-2.9
1957	-0.1	-0.1	-1.3	1.0	-0.6	.3	-0.8	-0.4	-0.3	-0.1	1.2	2.6
1958	-1.1	-1.5	3.0	.6	.7	.3	1.2	.9	-0.7	-1.6	1.2	.5
1959	-0.6	2.6	-1.3	-0.2	-0.2	-1.2	-1.0	-0.2	-1.8	-1.3	.6	1.3
1960	-2.3	-0.5	-1.5	.1	-0.8	-0.2	-0.4	-1.6	-0.2	-0.6	-0.2	.8
1961	-0.3	-0.9	-1.5	1.5	.7	1.0	-0.2	.1	-0.4	-0.3	1.4	-2.8
1962	-1.8	-0.1	-0.6	-2.7	-1.0	-1.3	-0.8	.4	.5	2.0	.6	-0.5
1963	-3.1	-1.5	-0.6	-0.8	.3	.4	-1.0	-0.6	.9	-2.0	-1.3	.3
1964	.4	-0.8	-0.9	1.0	-3.6	-0.5	.5	1.2	1.8	-0.8	-2.9	-5.0
1965	-1.2	1.2	-1.2	-0.2	2.8	.7	.3	.4	-0.7	1.2	-0.7	.3
1966	-0.3	3.8	-1.5	-1.8	2.2	1.0	-0.6	.4	-0.1	-0.2	-0.2	.6
1967	2.2	-0.3	1.9	2.1	.9	1.2	-1.0	1.0	1.4	1.5	1.2	1.6
1968	.0	-2.2	2.0	2.8	.4	.6	1.3	-0.0	-0.3	1.0	1.3	1.1
1969	4.3	1.2	.9	.6	.4	1.6	1.1	.3	.5	-0.5	-1.2	1.7
1970	.1	-0.5	-2.0	1.1	-2.0	.4	1.0	1.0	.1	.1	.2	-0.0
1971	2.8	-2.7	.5	.9	-0.6	1.0	-0.7	.1	.8	-0.3	1.2	1.8

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POINT NO. 19 (I,J)=(23,29)

LAT. 56.18N LONG. 151.56W

TABLE C-15

RESULTANT MERIDIONAL COMPONENT OF WIND VECTOR

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
RESULTANT=	1.8	.5	1.1	.2	-1.6	-1.3	-1.2	-1.5	-1.8	.2	.8	1.9

STANDARD DEVIATION OF MONTHLY RESULTANTS

	3.9	3.1	2.9	2.4	1.9	2.2	1.6	1.3	2.0	2.4	3.5	3.0
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MONTHLY ANOMALIES

1946	-4.5	1.5	1.7	-1.2	-1.5	1.7	1.9	-0.5	4.3	-4.3	-1.3	1.2
1947	3.1	-3.0	-0.8	-0.5	-1.6	.3	.2	.7	.2	2.4	-5.7	-4.0
1948	-4.7	1.6	1.8	6.3	1.4	-3.0	-0.5	1.3	1.4	-4.4	.4	-1.1
1949	-5.7	4.0	-3.5	2.8	1.1	.5	.7	.7	-1.8	-0.5	-0.9	-0.1
1950	1.6	8.7	-3.0	1.6	.2	1.8	1.9	1.2	-2.9	1.4	7.9	1.3
1951	-0.0	-1.6	1.0	-5.0	-1.9	-4.6	1.4	-1.8	-0.9	-0.3	2.5	-0.3
1952	5.7	-0.3	-0.8	.5	1.6	.2	-3.0	-0.1	2.7	-4.4	-6.1	1.4
1953	1.3	-5.2	1.6	-1.3	.2	1.2	.5	-0.5	.9	2.1	-0.7	-4.2
1954	3.9	1.5	-1.5	2.9	.7	2.0	2.2	-0.9	1.1	-3.7	-1.3	3.7
1955	-7.8	-0.7	-1.5	.3	-3.3	-0.3	-1.0	.1	.5	.3	3.1	4.3
1956	6.4	2.9	1.0	-3.1	-4.5	1.1	-0.3	-0.6	-1.3	3.4	-0.1	2.7
1957	-3.6	1.4	-1.2	-1.5	2.0	1.6	.4	-0.0	-2.7	-3.0	-5.6	1.6
1958	-0.4	1.6	-1.5	-1.1	-1.7	-4.2	-3.7	1.0	.5	1.3	-0.0	-1.3
1959	3.1	-1.7	5.6	-2.0	.1	3.0	-0.4	.6	.5	-1.0	-5.0	-1.8
1960	-4.0	-1.7	4.1	1.1	1.8	.8	1.4	-0.6	-0.4	.9	2.2	-6.9
1961	-3.7	3.6	3.5	1.7	-0.7	4.8	-0.9	-2.4	-1.2	.9	-1.7	1.3
1962	1.0	-1.4	-1.2	4.7	.7	1.1	.1	.7	1.1	-1.1	.2	.4
1963	-5.9	1.9	-0.2	-0.7	1.7	-2.6	-0.4	-1.5	1.9	2.7	5.3	-5.4
1964	-1.8	-6.4	.3	-0.7	3.2	.2	.4	.3	-1.1	1.2	.8	5.6
1965	.5	1.0	-5.9	1.9	-1.6	-2.6	.8	-0.2	-6.0	2.6	2.5	1.1
1966	-2.3	-0.6	5.1	-2.3	1.6	.6	-2.2	-1.2	-0.5	3.1	3.3	2.0
1967	4.3	-0.1	2.0	-0.1	1.9	-2.0	2.3	-2.2	-1.6	.5	-5.4	-0.0
1968	3.2	-0.2	1.5	-2.4	.6	1.0	.8	1.2	2.3	2.5	-1.3	1.8
1969	3.8	.0	-4.3	1.0	-0.2	-2.9	1.0	4.2	.7	-2.4	.6	-4.2
1970	3.1	-5.3	-5.8	-2.4	1.6	-0.6	-0.7	-0.4	.5	1.3	4.5	3.1
1971	3.4	-1.4	1.9	-0.6	-3.3	.2	-2.9	1.1	1.7	-1.5	1.8	-2.3

POINT NO. 14 (I,J)=(21,28)

LAT. 48.88N LONG. 150.02W

TABLE C-16

RESULTANT MERIDIONAL COMPONENT OF WIND VECTOR

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
RESULTANT=	-2.7	-3.2	-2.1	-1.7	-2.6	-2.7	-1.8	-1.8	-3.2	-2.1	-2.2	-2.3

STANDARD DEVIATION OF MONTHLY RESULTANTS

	3.4	2.5	2.3	2.4	2.2	2.5	1.8	1.5	1.8	2.0	3.8	2.6
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MONTHLY ANOMALIES

1946	-2.0	-0.1	-0.1	.1	-1.0	3.4	-0.1	-1.2	2.6	-0.4	1.2	1.3
1947	3.9	-0.3	-0.8	-1.2	-0.2	.0	1.5	-0.7	-1.2	2.8	-8.2	-2.2
1948	-2.7	-0.3	1.8	6.3	2.4	-2.9	.1	1.0	2.5	-3.7	-4.0	1.3
1949	-4.4	3.5	-1.0	1.1	1.2	.1	.4	1.0	-0.6	-1.9	-0.2	.3
1950	4.2	3.0	-4.1	1.9	-3.2	1.5	.2	2.4	-1.7	.2	7.1	3.3
1951	-0.5	1.7	.6	-5.2	-2.3	-6.0	2.1	-1.1	-0.9	.9	1.7	1.8
1952	3.7	-0.8	-1.6	-0.1	1.6	.8	-3.7	-1.0	-0.5	-1.4	-4.1	-1.5
1953	-0.7	-5.4	.7	-2.1	-0.4	1.2	.7	.8	1.2	-0.7	.3	-4.0
1954	2.4	-0.9	-0.7	.6	1.6	.3	2.2	-1.8	2.1	-3.2	.1	1.9
1955	-4.5	.5	-2.6	1.0	-3.9	1.5	.2	.2	1.1	-0.4	-0.0	5.2
1956	8.6	2.0	.3	-2.8	-4.6	1.2	-0.9	-2.0	-0.4	3.6	-5.8	-2.9
1957	-0.5	.2	-0.3	-0.1	2.3	.3	.2	.8	-4.0	-2.9	-3.5	2.4
1958	-0.7	3.8	1.3	-1.9	-1.3	-4.6	-5.0	-0.3	.8	.1	-0.1	-3.2
1959	-1.9	1.4	-2.2	-0.6	-1.3	5.1	-1.6	.5	.6	-2.6	-6.2	-1.7
1960	-2.1	-0.7	1.0	.6	2.3	-0.8	1.1	-0.9	.3	1.6	3.2	-3.6
1961	-1.8	-0.9	3.8	.3	-0.6	3.6	-0.8	-2.7	-1.4	.3	.9	-0.6
1962	-1.8	.6	.3	3.5	.9	1.6	-0.8	1.1	2.3	1.9	-1.6	-0.8
1963	-7.9	1.7	3.7	2.0	2.7	-0.0	1.0	-0.3	1.3	2.2	4.3	-3.7
1964	-0.8	-5.6	-0.6	-1.5	3.4	.8	.9	-0.3	-0.0	3.0	1.4	3.9
1965	-1.3	-0.6	-4.4	2.7	-0.4	-2.2	1.1	1.1	-3.8	1.1	6.1	1.3
1966	-1.2	3.1	3.0	-1.6	1.5	.5	-0.6	-1.2	1.3	.4	4.0	1.6
1967	2.6	-1.0	2.8	2.1	-0.3	-3.0	4.4	-0.6	-3.1	-0.5	-0.5	-2.1
1968	4.7	-0.3	3.6	-4.2	1.8	-0.1	.6	-0.0	.1	3.0	-1.9	3.2
1969	4.4	3.4	-1.1	1.8	2.0	-2.9	-0.4	2.8	1.4	-3.0	-1.9	-4.0
1970	.4	-3.8	-4.4	-2.3	-0.7	-1.6	-1.0	-1.5	-1.1	.6	6.1	2.0
1971	-0.3	-4.2	.6	-0.3	-3.5	2.3	-1.9	4.1	1.1	-1.2	1.7	.9

POINT NO. 10 (I,J)=(18,27)

LAT. 39.05N LONG. 150.35W

TABLE C-17

RESULTANT MERIDIONAL COMPONENT OF WIND VECTOR												
	JAN	FEB	MAR	APRIL	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
RESULTANT=	-4.3	-3.6	-2.3	-1.1	-2.2	-2.7	-0.4	-0.3	-2.2	-2.0	-2.3	-3.5
STANDARD DEVIATION OF MONTHLY RESULTANTS												
	3.1	2.8	2.3	1.6	1.7	1.3	1.5	1.4	1.5	2.1	2.9	2.8
MONTHLY ANOMALIES												
1946	.2	2.1	.5	3.4	-1.4	1.7	-0.3	-1.4	.8	-1.3	1.8	1.8
1947	4.8	-2.8	-2.5	-1.9	1.1	.3	2.9	.1	.5	1.8	-4.6	.4
1948	-0.4	-1.6	3.7	2.8	.4	-0.6	.2	1.5	2.8	.0	-3.7	1.4
1949	-1.1	-0.5	1.8	-1.5	.1	1.9	.2	1.9	-1.8	-2.4	3.6	-2.1
1950	2.2	.9	-1.0	.9	-3.0	.2	-1.7	.1	-1.3	.5	1.0	2.7
1951	-1.0	3.2	-2.5	-1.8	-1.0	-3.2	.6	-3.9	-1.8	-1.4	.4	.1
1952	3.1	-0.3	-0.0	.1	2.9	1.4	-1.0	-0.4	-1.2	.8	-1.7	-1.1
1953	-1.5	-3.9	-0.3	-0.9	-1.7	-0.6	-1.7	1.1	2.2	-1.2	.1	-3.8
1954	.0	-3.1	2.1	-0.6	1.8	-0.4	2.8	.0	1.2	-2.0	-1.3	2.5
1955	-0.7	1.3	-3.8	2.2	-1.5	-0.1	1.4	.4	-1.5	.1	-2.3	4.2
1956	5.0	1.6	-0.5	-1.4	.1	.7	-1.8	-1.4	2.9	1.5	-3.3	-4.1
1957	1.5	3.8	.2	2.0	.9	-0.8	-1.0	-0.5	-0.4	-2.1	-2.1	4.8
1958	-0.5	1.2	2.4	-2.6	1.7	-2.2	-1.6	-1.7	-0.4	3.6	1.4	-1.7
1959	-3.2	3.9	-4.2	-1.4	-2.2	.4	-1.4	.2	-0.2	-4.6	-1.7	-0.2
1960	1.3	-0.5	1.7	-0.7	.1	.8	-1.0	-0.3	-0.3	-0.2	.7	-4.5
1961	-1.6	-2.5	-3.1	-0.7	.1	1.7	.5	-1.0	1.2	-0.3	4.1	-4.7
1962	-5.7	.7	1.1	-0.2	1.2	.6	-1.8	2.4	2.2	-0.7	-1.3	-1.8
1963	-6.7	-2.9	4.9	1.3	2.4	1.7	1.5	-1.6	1.5	2.6	-0.4	-3.0
1964	-1.8	-2.9	1.8	-1.0	4.0	-0.3	2.2	.2	-2.3	4.1	-0.1	2.0
1965	-0.8	3.6	-2.1	.6	-1.8	-1.1	.8	1.1	-2.9	1.7	7.4	3.7
1966	-1.0	5.2	.2	2.0	-0.2	-0.0	1.1	-1.1	-0.7	-2.5	2.5	.1
1967	2.0	-1.1	2.2	1.9	-2.5	-2.5	2.2	.5	-0.9	.5	2.1	-2.8
1968	1.4	-3.9	.0	-1.8	1.6	-0.2	-1.3	.2	-0.4	2.5	-4.0	4.0
1969	7.3	4.5	1.0	-0.1	-0.4	-1.2	-0.4	1.5	.8	-1.7	-1.7	-2.4
1970	.8	-1.3	-3.5	-0.2	-0.6	.0	.7	-0.7	-1.0	2.3	5.2	2.0
1971	-3.9	-4.8	-0.2	-0.3	-2.1	2.0	-2.2	2.5	.8	-1.6	-2.0	2.2

POINT NO. 5 (I,J)=(16,26)

LAT. 32.59N LONG. 149.44W

TABLE C-18

RESULTANT MERIDIONAL COMPONENT OF WIND VECTOR

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
RESULTANT=	-3.9	-2.4	-1.0	.2	-0.5	-0.6	1.5	1.3	.2	-0.7	-1.3	-2.3

STANDARD DEVIATION OF MONTHLY RESULTANTS

	2.3	2.6	1.7	1.4	1.5	1.1	1.0	1.1	1.3	1.7	2.2	2.5
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MONTHLY ANOMALIES

1946	.1	.6	2.4	1.8	-0.9	.5	-0.7	-2.3	.7	-0.1	1.1	.6
1947	1.8	-2.9	-1.2	-1.9	.7	.5	2.0	1.4	1.4	1.4	-2.2	1.2
1948	3.2	-1.6	4.0	1.3	-0.3	.1	.5	.9	2.9	2.4	-0.8	3.6
1949	-2.2	-2.0	1.3	.7	.0	1.6	-0.0	1.3	-0.9	.1	3.7	-0.9
1950	-0.3	.4	-0.3	1.7	-0.8	-0.5	-1.2	-0.9	-1.5	2.4	-0.8	1.1
1951	-0.4	2.0	-3.3	-0.4	-1.5	-2.4	-0.2	-1.1	-2.1	-1.4	1.1	-0.2
1952	2.4	.1	1.5	.4	1.9	1.5	-0.4	-1.5	-0.5	-0.3	-0.2	-0.1
1953	-3.0	-2.2	-0.4	-1.2	-0.5	.5	-0.4	.0	1.1	-1.3	1.5	-2.7
1954	-0.7	-1.5	2.2	-1.7	2.2	-0.7	1.9	.1	.1	-0.7	-2.6	2.4
1955	2.0	2.6	-3.0	1.5	-0.7	.3	-0.6	.3	-1.4	.0	-2.0	1.2
1956	2.5	2.7	-0.3	-1.4	1.2	1.6	-2.3	-1.5	2.3	.1	-4.5	-4.4
1957	1.8	3.2	-1.3	.6	-0.6	-0.4	.2	-0.9	-0.5	-1.7	-2.0	4.4
1958	-0.6	-1.3	1.7	-3.5	3.4	-0.7	.1	-0.1	.6	3.5	-1.9	-0.2
1959	-1.9	3.8	-1.6	-0.3	-2.1	-1.2	-0.2	.4	.3	-2.9	-1.4	2.4
1960	2.2	-0.4	-0.0	.5	.5	.6	-0.9	.9	-0.3	-0.6	1.1	-1.5
1961	.2	-1.4	-2.0	-0.0	.6	1.3	.8	.2	1.1	1.0	1.9	-3.2
1962	-5.7	-0.8	.8	-3.0	.5	-1.0	-1.1	1.5	-0.1	-3.0	.2	-4.6
1963	-3.9	-3.5	2.0	1.0	2.5	1.9	1.2	-2.2	1.1	1.5	.8	-3.8
1964	1.3	.5	.5	-0.9	1.9	-0.8	1.4	.5	-0.3	1.6	-0.7	-1.2
1965	-0.5	4.2	-1.6	-0.0	-2.2	.7	-0.1	.1	-1.5	-1.0	4.8	4.2
1966	.8	2.6	-2.2	2.3	-1.5	-0.7	.7	-0.1	-2.5	-1.2	1.5	-0.0
1967	3.8	.3	1.1	.1	-1.0	-2.0	-0.3	-0.8	.2	-1.9	4.1	-2.9
1968	-1.9	-5.2	.0	-0.0	.5	-1.8	-1.0	1.0	-1.7	-0.8	-2.3	.5
1969	3.1	4.1	.7	.7	-1.3	-0.0	.8	1.2	.9	-1.0	-1.8	-1.1
1970	-1.3	-0.0	-0.5	1.5	-1.5	.4	1.0	-0.0	-0.5	3.5	1.9	3.1
1971	-2.6	-4.3	-0.2	.5	-1.0	.7	-1.5	1.6	1.1	.1	-0.5	2.0

POINT NO. 2 (I,J)=(13,25)

TABLE C-19

LAT. 24.04N LONG. 149.77W

RESULTANT MERIDIONAL COMPONENT OF WIND VECTOR

	JAN	FEB	MAR	APRIL	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
RESULTANT=	-1.5	-0.2	.4	1.4	1.2	1.4	1.8	1.8	1.8	.8	.5	-0.0

STANDARD DEVIATION OF MONTHLY RESULTANTS

	1.6	1.5	1.2	1.0	1.0	.7	.9	.7	.8	.8	1.4	1.7
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MONTHLY ANOMALIES

1946	.8	-1.1	.2	-0.3	-0.9	-0.7	-1.8	-1.9	.5	-1.4	.5	-1.7
1947	-0.3	-1.5	-0.3	-0.7	1.1	-0.3	-0.2	.1	-0.1	.7	-1.7	.9
1948	1.9	-0.4	1.5	-0.5	1.1	.0	-0.7	-1.6	-0.6	1.1	-0.3	1.6
1949	-1.6	-1.9	1.6	1.5	-0.5	.7	.3	-0.6	.6	-0.6	3.2	-0.4
1950	-0.9	1.2	1.0	.6	.5	.4	.1	.4	-0.7	.8	-1.4	1.9
1951	1.7	-0.6	-3.9	.9	-1.3	-2.1	-0.5	.5	-1.2	-0.1	1.1	.4
1952	1.6	1.6	.1	.8	.3	.7	.1	.1	-0.4	.5	.8	1.9
1953	-0.7	-0.4	-0.3	.2	.5	.5	.4	-0.2	.2	.1	1.7	-0.2
1954	.6	-1.2	-0.2	-0.9	.7	.7	.7	.7	-0.2	-0.0	-1.6	1.9
1955	2.0	.7	-0.9	.5	-0.2	1.2	.2	.6	-0.1	.3	-1.7	-1.8
1956	-1.0	1.0	-0.6	-0.5	.5	1.3	-0.4	-0.2	.8	-0.6	-3.0	-2.0
1957	1.2	.8	.4	.8	.0	-0.3	1.0	-0.0	-1.2	-0.7	-1.1	2.4
1958	.2	-1.5	-1.2	-0.3	1.7	.4	1.8	.4	.9	2.0	-1.3	.5
1959	-0.9	2.1	2.0	.5	-0.7	-0.0	1.3	1.0	.6	-0.1	-0.1	2.4
1960	1.0	.2	-0.3	1.3	.7	.6	.4	.2	-0.1	-0.4	1.6	-1.0
1961	-1.2	1.3	-0.8	-1.0	.9	.5	-0.0	-0.1	.3	-0.6	-0.2	.5
1962	-1.3	-0.4	.1	-1.0	.0	-0.3	.2	.6	.1	-1.1	.9	-2.4
1963	-1.1	-2.8	-1.3	-0.6	.3	.5	.9	-0.6	.4	1.2	.2	-2.0
1964	2.7	2.4	.0	-0.5	1.0	.0	1.5	.5	.6	.8	-0.9	-2.3
1965	-1.0	1.1	-0.7	-2.0	-2.6	-0.3	-2.0	-1.0	-2.0	-1.3	1.1	2.0
1966	1.9	-0.5	-0.7	-0.7	-1.8	-1.3	-1.3	.2	-0.6	-0.4	-0.6	-0.0
1967	2.5	2.3	-0.0	-1.2	-1.1	-0.5	.4	.4	.3	-0.3	1.9	-3.2
1968	-1.2	-2.6	1.0	-0.6	.3	-0.1	-0.0	-0.6	-0.5	-1.2	-0.9	-2.0
1969	-0.9	2.1	1.4	1.6	-0.6	-0.7	-0.9	.5	1.6	-0.0	.5	-0.7
1970	-1.5	.3	1.9	2.2	.4	-0.5	.3	.8	.6	1.0	.6	2.5
1971	-4.4	-2.3	-0.0	-0.2	-0.3	-0.3	-1.6	-0.2	.0	.4	.9	.7

POINT NO. 18 (I,J)=(23,25)

LAT. 49.86N LONG. 132.12W

TABLE C-20

RESULTANT MERIDIONAL COMPONENT OF WIND VECTOR

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
RESULTANT=	-3.3	-4.0	-2.3	-2.3	-1.7	-0.7	.1	.0	-1.4	-4.9	-4.9	-4.4

STANDARD DEVIATION OF MONTHLY RESULTANTS

	3.7	3.0	3.1	2.9	1.5	2.4	1.8	2.0	2.5	2.1	2.6	3.1
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MONTHLY ANOMALIES

1946	-3.2	-3.4	-1.1	-1.7	2.2	.2	-1.8	1.6	-2.3	5.0	3.8	2.8
1947	.6	-1.3	1.0	-1.2	-0.2	-0.2	-1.4	3.0	1.6	-1.5	2.0	-0.2
1948	-1.9	3.9	1.8	4.4	-1.0	3.8	1.1	1.6	.7	.5	1.8	2.7
1949	1.4	2.1	.2	-4.9	2.0	.6	-0.4	-1.2	.2	-0.4	-4.0	4.4
1950	9.0	-5.1	-0.5	-3.1	-1.9	-0.1	-1.4	-2.6	-1.0	.9	2.2	-1.9
1951	-1.0	3.0	.5	2.3	.7	5.2	1.3	2.3	.7	2.1	-0.8	3.9
1952	-0.2	-0.1	2.3	-3.4	-0.5	.4	2.5	1.9	-1.1	.8	1.4	-3.5
1953	-1.6	-1.7	-2.9	-0.5	-0.5	.7	-1.5	.5	-0.5	-3.7	-2.7	-2.6
1954	3.1	-1.9	4.8	1.0	-0.8	-3.3	-2.4	3.2	1.6	-0.1	-5.6	-0.6
1955	-0.4	4.2	1.9	.9	-0.6	.5	1.5	-0.8	.9	-1.4	-0.4	1.0
1956	-3.7	1.7	-2.2	.8	1.5	-2.3	.8	-1.7	2.7	.9	-1.1	-2.3
1957	6.3	4.2	-1.6	1.2	.2	-2.8	-0.3	.1	1.5	3.4	-1.2	-2.2
1958	-7.1	-3.4	4.4	1.1	1.0	4.8	3.7	-2.8	-0.3	-0.7	-0.1	-4.0
1959	-4.2	3.0	-4.3	.7	.6	-2.8	-0.2	.6	-0.3	1.1	-0.3	-3.9
1960	-0.9	.7	-3.5	-2.8	-1.3	.1	-1.6	1.4	.9	-0.7	-0.5	-1.0
1961	-6.1	-4.1	-3.0	1.8	-0.4	-2.9	2.8	.4	2.4	1.2	1.2	1.3
1962	.4	6.1	1.9	-3.8	2.7	.4	.9	.9	.3	.4	-2.4	-3.8
1963	4.0	-4.9	3.7	3.7	-0.5	1.9	1.3	1.8	-5.2	-4.8	-1.7	-3.4
1964	-2.7	.8	1.9	2.4	1.9	-1.2	-2.5	-0.9	1.9	-1.6	1.9	3.4
1965	-1.2	.9	5.1	.7	2.1	.0	-1.0	1.9	6.5	-3.1	4.4	2.5
1966	-1.0	1.5	-5.0	2.7	-2.3	-3.6	2.1	-0.6	-4.1	-1.1	3.9	-0.6
1967	-0.6	-3.5	4.8	6.5	-2.1	3.8	-2.6	-2.2	-6.2	-0.7	3.5	2.1
1968	3.9	-1.4	-4.3	-1.2	.6	-2.6	-0.6	.3	-1.0	-1.5	-3.5	2.9
1969	6.2	1.1	-0.3	-5.4	-0.8	1.3	-1.4	-3.1	-1.9	-0.3	-3.9	-5.6
1970	-0.2	-1.8	-1.7	.4	-3.6	-0.4	-1.4	-0.9	.1	3.0	2.5	2.6
1971	1.1	-0.7	-3.9	-2.5	1.1	-1.6	2.5	-4.5	1.7	2.3	-0.5	5.9

POINT NO. 13 (I,J)=(21,23)

TABLE C-21

LAT. 41.03N LONG. 130.71W

RESULTANT MERIDIONAL COMPONENT OF WIND VECTOR

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
RESULTANT=	-2.3	-2.2	-0.0	.8	1.9	3.3	4.8	4.1	3.6	-0.1	-1.7	-2.4

STANDARD DEVIATION OF MONTHLY RESULTANTS

	3.9	3.6	2.8	2.4	1.8	2.6	1.7	2.0	2.3	2.2	2.6	3.1
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MONTHLY ANOMALIES

1946	-2.4	-4.6	.8	-0.8	-0.3	-3.4	-1.6	2.2	-0.9	4.4	1.2	2.9
1947	.2	-2.2	.1	-0.6	.8	-1.2	-4.4	3.1	1.4	-3.7	4.2	-0.2
1948	2.4	2.5	.4	-1.7	-2.4	2.3	.3	-0.3	-0.7	.3	2.0	5.7
1949	6.4	.1	.6	-2.3	-0.5	3.0	2.0	-1.8	.1	3.3	-6.1	2.1
1950	2.8	-3.4	-2.8	-0.7	3.0	.5	1.0	-3.1	-1.1	-1.9	-0.9	-5.7
1951	.4	.8	2.3	2.9	1.2	5.6	.9	3.8	.2	.9	-0.7	4.0
1952	.2	.6	4.3	-1.9	-0.6	1.6	3.0	2.0	1.9	-0.0	1.9	-4.5
1953	-7.4	4.1	-0.2	-2.3	-2.0	.7	.1	-0.5	.7	.0	-3.6	-0.0
1954	1.1	-2.4	3.9	.3	.3	-1.7	-0.2	1.4	-0.5	-1.4	-4.7	-1.6
1955	3.2	4.6	3.1	.1	2.1	-0.4	.7	.9	1.4	-0.1	-0.4	-2.0
1956	-4.1	3.7	-2.4	2.4	2.1	-1.9	.5	-1.2	-1.7	1.7	2.9	.7
1957	7.0	2.0	-3.4	.3	-2.2	-2.3	-0.3	-1.4	-1.9	1.7	1.5	-1.6
1958	-7.3	-6.9	1.2	-0.3	-0.5	1.2	2.6	.4	.9	.1	-0.8	-3.0
1959	-3.3	3.7	-0.5	1.7	.9	-3.5	1.9	2.4	-0.9	2.3	2.7	2.1
1960	-0.1	-0.1	-2.2	-3.2	-3.3	3.6	.0	2.7	1.9	-1.0	-1.0	-0.0
1961	-8.2	-4.0	-4.5	2.7	-1.5	-0.3	1.7	-0.0	3.9	4.2	1.1	2.7
1962	2.8	3.0	1.2	-3.4	2.1	1.0	.9	-0.2	-1.1	-0.3	-2.4	-3.8
1963	5.5	-6.8	1.4	-0.2	-1.4	2.9	-0.5	-2.8	-6.8	-2.7	-0.9	-3.1
1964	.0	7.2	2.9	4.9	.6	-2.8	-2.9	-0.7	1.7	-0.9	1.4	-0.9
1965	-0.6	2.8	4.6	-0.2	1.9	1.4	-1.2	-1.8	5.4	-3.6	-2.3	2.0
1966	-1.4	-0.5	-4.5	1.5	3.2	-4.0	.5	2.5	-1.9	.0	2.4	-3.3
1967	.4	2.0	.9	3.9	.4	3.2	-1.5	-2.5	-3.2	-3.3	4.1	4.3
1968	.4	-4.3	-4.9	2.1	-2.2	-1.7	-2.1	-0.3	1.3	-2.1	-2.1	-1.0
1969	3.3	.2	-0.9	-5.1	-2.9	.0	.9	-1.3	-2.0	-0.7	1.3	-4.0
1970	-3.3	-3.0	2.2	2.0	.5	.9	-1.4	-0.2	.3	.1	-2.5	3.3
1971	1.8	1.0	-3.8	-2.3	.7	-4.8	-0.8	-3.1	1.5	2.7	1.8	5.0

POINT NO. 7 (I,J)=(17,19)

LAT. 25.08N LONG. 129.09W

TABLE C-22

RESULTANT MERIDIONAL COMPONENT OF WIND VECTOR

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
RESULTANT=	2.2	2.1	2.8	3.3	3.4	4.1	4.4	4.2	4.0	3.4	3.1	2.7

STANDARD DEVIATION OF MONTHLY RESULTANTS

	1.4	1.9	1.3	1.2	1.0	.7	.5	.7	.8	.8	1.2	1.2
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MONTHLY ANOMALIES

1946	1.8	1.2	2.1	.7	-1.7	-0.3	-0.2	-1.0	-1.1	1.1	-1.3	-0.1
1947	.6	-2.0	.2	1.7	-1.2	.5	-0.9	-0.8	-0.3	-1.5	2.4	1.3
1948	.8	2.2	-0.5	-3.1	.3	-0.6	.4	1.3	1.1	-0.2	2.0	1.8
1949	3.4	2.4	-1.5	.3	-0.4	-1.0	.2	-0.3	.3	1.4	-1.6	.7
1950	-0.6	-1.2	.7	.5	.8	.1	.2	-1.6	.0	-0.2	-1.8	-2.9
1951	.5	-0.9	1.3	-1.4	.3	-0.8	.4	.5	-0.2	.4	.7	-0.3
1952	-0.3	.7	2.4	.3	-0.9	.3	-1.0	.3	.9	-0.7	.9	.1
1953	.8	3.5	.9	-1.8	.6	-0.3	-0.1	-1.0	-1.4	.1	-1.3	1.6
1954	-0.4	.7	-1.3	-1.0	-0.7	1.1	.3	-0.3	1.0	.5	-0.1	-1.1
1955	1.2	.4	.0	1.7	2.3	.5	.9	.8	1.8	.0	1.3	-1.7
1956	-1.7	1.0	1.9	.2	-0.3	1.4	.6	-0.1	-0.2	1.0	1.2	.9
1957	.7	-3.3	-0.3	-0.6	-0.9	.4	.5	.5	-1.7	-1.0	.6	-1.4
1958	-1.2	-5.4	-2.7	.8	-2.6	-0.9	-0.4	-0.1	1.3	-0.7	-0.1	-0.3
1959	-0.4	-0.3	1.9	-1.3	.9	.6	-0.8	-0.5	.8	.7	.2	1.2
1960	-0.7	.1	-1.1	.1	.4	-0.6	.2	.5	.2	-0.1	.7	-0.0
1961	-1.3	1.9	.3	.5	.3	-0.8	-0.1	.3	.5	.5	1.1	2.2
1962	1.6	-1.7	-0.7	1.5	.9	-0.1	-0.1	.6	.5	-0.5	.6	-1.9
1963	-1.4	-1.5	-0.2	-1.1	-0.3	.6	.2	-0.0	-0.5	-0.3	-0.7	.0
1964	1.8	2.0	1.1	1.3	-0.3	-0.2	-0.2	-0.4	.3	-0.2	-0.2	.3
1965	.9	.5	-1.1	-0.8	1.9	.9	.1	.2	-0.3	.3	-1.9	.0
1966	.6	.7	-1.1	-1.0	.9	.9	.0	.2	.4	1.4	-1.4	.1
1967	-0.4	.7	-2.1	-0.6	.8	.1	-0.8	.7	-1.0	.4	-0.4	1.5
1968	-0.7	-2.1	-0.1	1.7	-0.1	.1	-0.5	-0.7	-0.4	-0.5	1.0	-0.8
1969	-3.1	-0.4	-1.2	.4	-0.7	-0.4	1.4	1.1	-0.6	-0.7	-0.1	-1.0
1970	-2.1	-0.9	1.1	1.3	.1	-0.2	.1	.4	-0.5	-2.0	-2.0	.3
1971	-0.3	1.5	.1	-0.3	-0.1	-1.4	-0.3	-0.4	-0.7	.8	.0	-0.6