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Wind Power Climatology of the United States

Jack W. Reed

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ABSTRACT

All suitable data in the National Climatic Center archives, for 758 stations, have been analyzed for monthly, seasonal, and annual average wind power. Results have been assembled in maps with equal power (isodyn) contours to show geographic regions most suitable for wind power exploitation. An Appendix contains an almanac of all these wind speed distributions and power data tabulations, ordered by state and region and suitable for referencing.

Wind speed versus height above ground relationships were examined with upper air climatologies at 85 kPa and 70 kPa pressure-altitude levels and certain micro-meteorological research towers. An often-used rule-of-thumb appears adequate: that wind speed increases in proportion to the one-seventh power of height above ground. Thus, wind power increases with the three-sevenths power of height, for use in sizing designs for wind turbines and mounts.

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WIND POWER CLIMATOLOGY OF THE UNITED STATES

Introduction

In response to needs for alternate energy sources, Sandia Laboratories began studies and experiments in 1973 to develop technology for a vertical-axis wind turbine. This device was invented in 1925 by G. J. M. Darrieus of France, patented in the United States in 1931, and rediscovered by the National Research Council of Canada[1] in the late 1960's. It offers several advantages over horizontal-axis turbines:

1. It is nondirectional.
2. The generator may be mounted at ground level.
3. Blades can be fabricated easily.
4. Tower structure is minimized or eliminated.

It does not, however, start by itself and requires either drag buckets or a motor for starting.[2]

Parallel to aerodynamic and hardware development, climatological evaluations were needed to show where such turbines could be effectively used, how much energy was available for exploitation, and how turbines ought to be sized and mounted to be useful. Several preliminary reports have been published on wind climatology,[3,4] but in this report, a final assemblage of data and analyses is presented. Our evaluations do not consider wind direction but only evaluate wind speed and the resultant wind power.

Wind Power Estimates

The power available in a stream tube is the product of the kinetic energy per unit mass of moving air and the mass flow rate through a cross-sectional area A, so that

$$P = \frac{1}{2} V^2 (\rho A V) = \frac{1}{2} \rho A V^3 , \qquad (1)$$

in terms of wind speed, V, and air density, ρ. Obviously, all this power cannot be extracted because the wind would be stopped and the air mass would thus clog the extracting machine. In this report, we concentrate on available power as a meteorological parameter and leave problems of recovery methods and efficiencies to engineering. For a square meter perpendicular to the wind, with various coefficients appropriate for available input wind data and with standard sea level air density, the power per unit area is

$$\frac{P}{A} = 0.6125V^3 \text{ Wm}^{-2}, \text{ V in m/s}$$

$$= 0.05472V^3 \text{ Wm}^{-2}, \text{ V in mph} \qquad (2)$$

$$= 0.08355V^3 \text{ Wm}^{-2}, \text{ V in knots.}$$

This cubic response to wind speed requires use of a climatological distribution of speeds, rather than an average speed, for calculating wind power. If the wind is a steady 15 mph (6.7 m/s), 185 Wm^{-2} is available. If it blows 10 mph (4.5 m/s) half the time and 20 mph (8.9 m/s) half the time, again averaging 15 mph (6.7 m/s), it yields 245 Wm^{-2}. Also, this cubic response makes the particular anemometer exposure very important because wind speed is affected by the surrounding environment of buildings, hills, or trees, as well as height above the ground friction level.[5] For example, where a 5-m/s wind speed could be doubled to 10 m/s at some greater height, the power would be increased 8 times. Available data were, unfortunately, not very consistent in regard to exposure although "standard" anemometer exposure has been defined as 10 m (33 ft) above level ground and away from any obstructions. Hence, no great confidence can be placed in the applicability of power figures calculated from published wind records for specific locations, unless anemometer height and surrounding obstructions are well defined.

Only a limited number of appropriate wind speed distributions have been published for United States stations.[6] Power estimations from those statistical summaries showed great interstation variability. It was concluded that all data, available in suitable form from archives of the National Climatic Center (NCC), should be assembled and used for national wind power estimation. A complete tabulation of their summaries is reproduced in the Appendix for 758 stations in the United States, including Hawaii, Alaska, and Canadian border provinces.

Proper integration for average wind power from tables of occurrence percentages by speed categories could require extensive curve fitting calculations. Several cases were evaluated to show, however, that an assumption of the median value to represent each category caused only a few percent truncation error in total calculated wind power. Thus, this simplified power calculation method was adopted. Monthly and annual wind power tabulations were made at the NCC under Sandia Laboratories contract. A duplicate data tape was provided to Sandia where four seasonal averages - along with other evaluations - were calculated for mapping.

Wind power averages for the full year and the four seasons were plotted, and isodyn* contours were drawn to give the results in Figures 1 through 5. Severe smoothing was needed because of the extreme interstation variability of calculated wind power values. When wind speeds were cubed to obtain wind power, otherwise minor differences in speed were amplified so that nearby values sometimes varied by 50 percent to over 300 percent. Objective smoothing was accomplished by geometric averaging of station values for circular areas of 150 nautical miles (2.5-degree latitude) in radius, centered on each 2.5-degree grid intersection. In analyzing isodyns, subjective adjustment was applied to give pattern conformity to major orographic features.

* isodyn: equal power, adapted from Greek iso + dynamis.

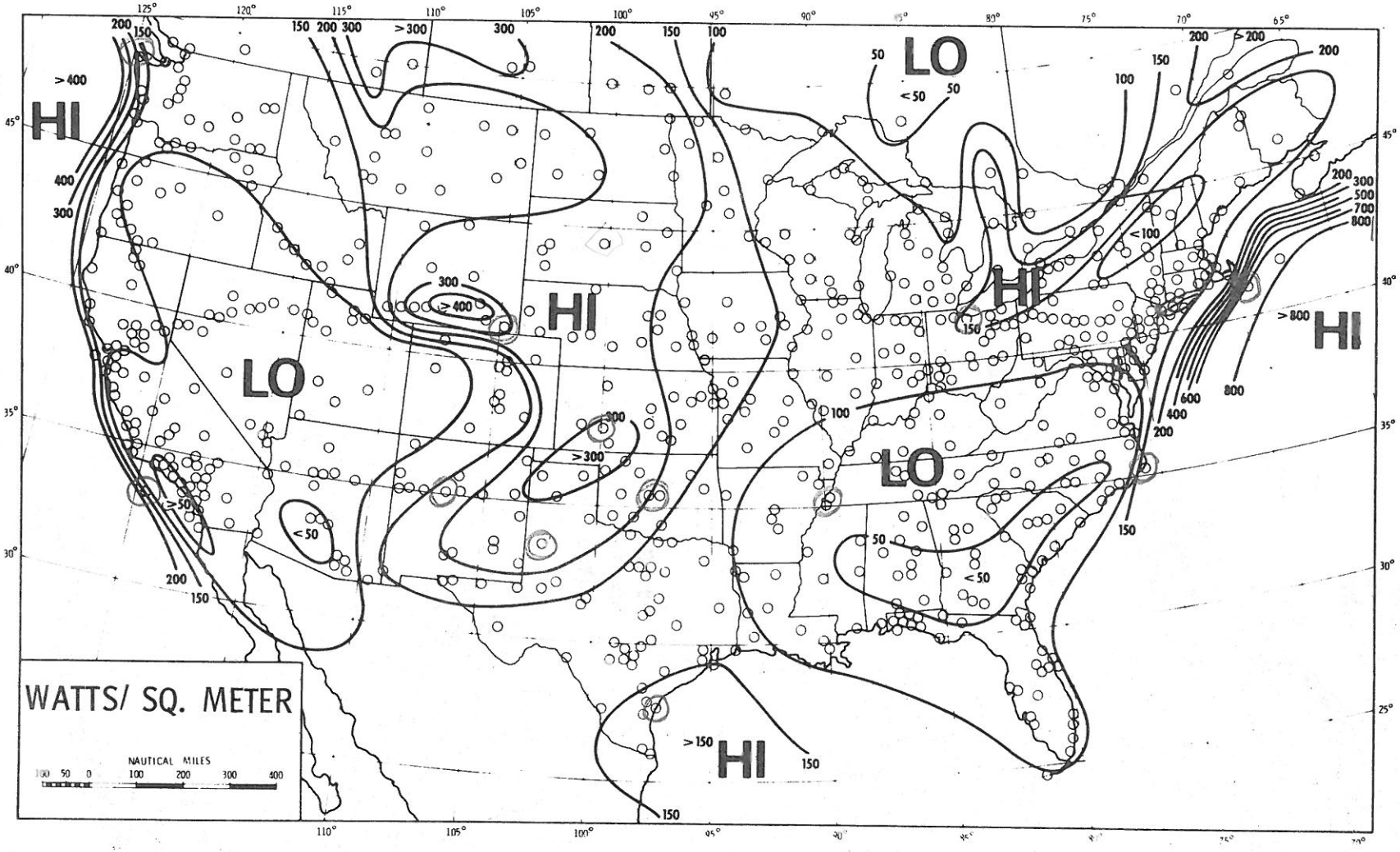


Figure 1. Available Wind Power, Annual Average

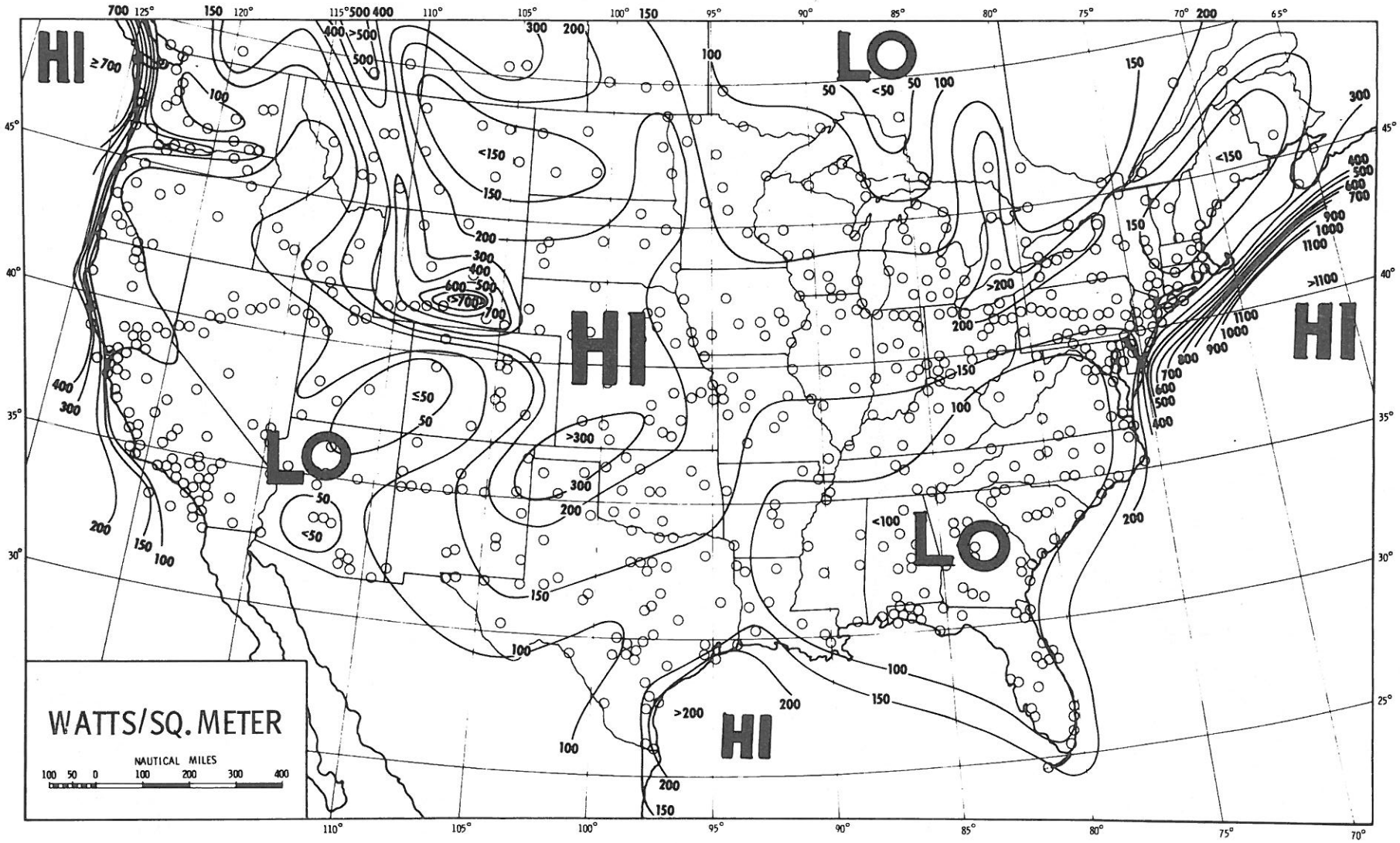


Figure 2. Available Wind Power, Winter Average

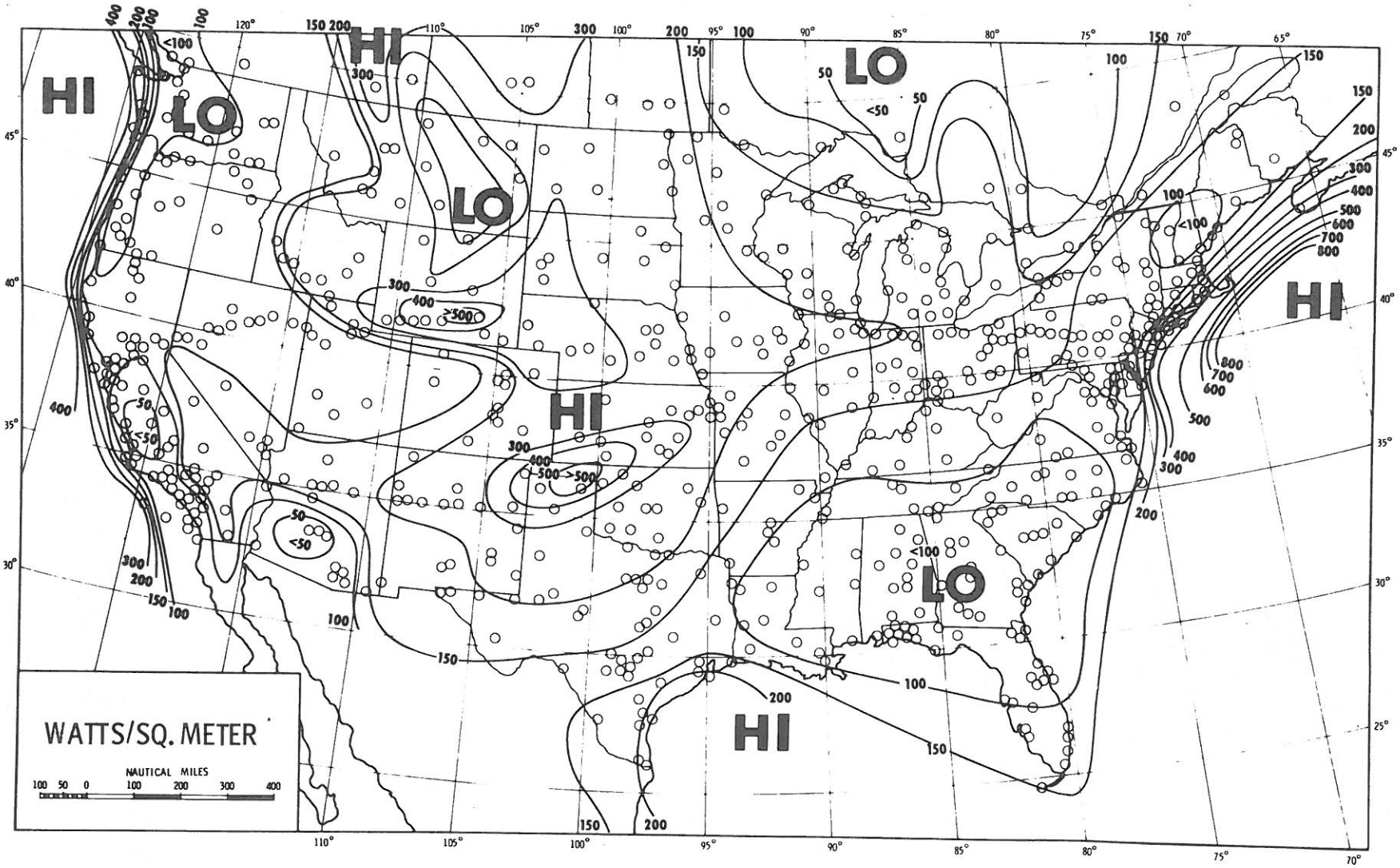


Figure 3. Available Wind Power, Spring Average

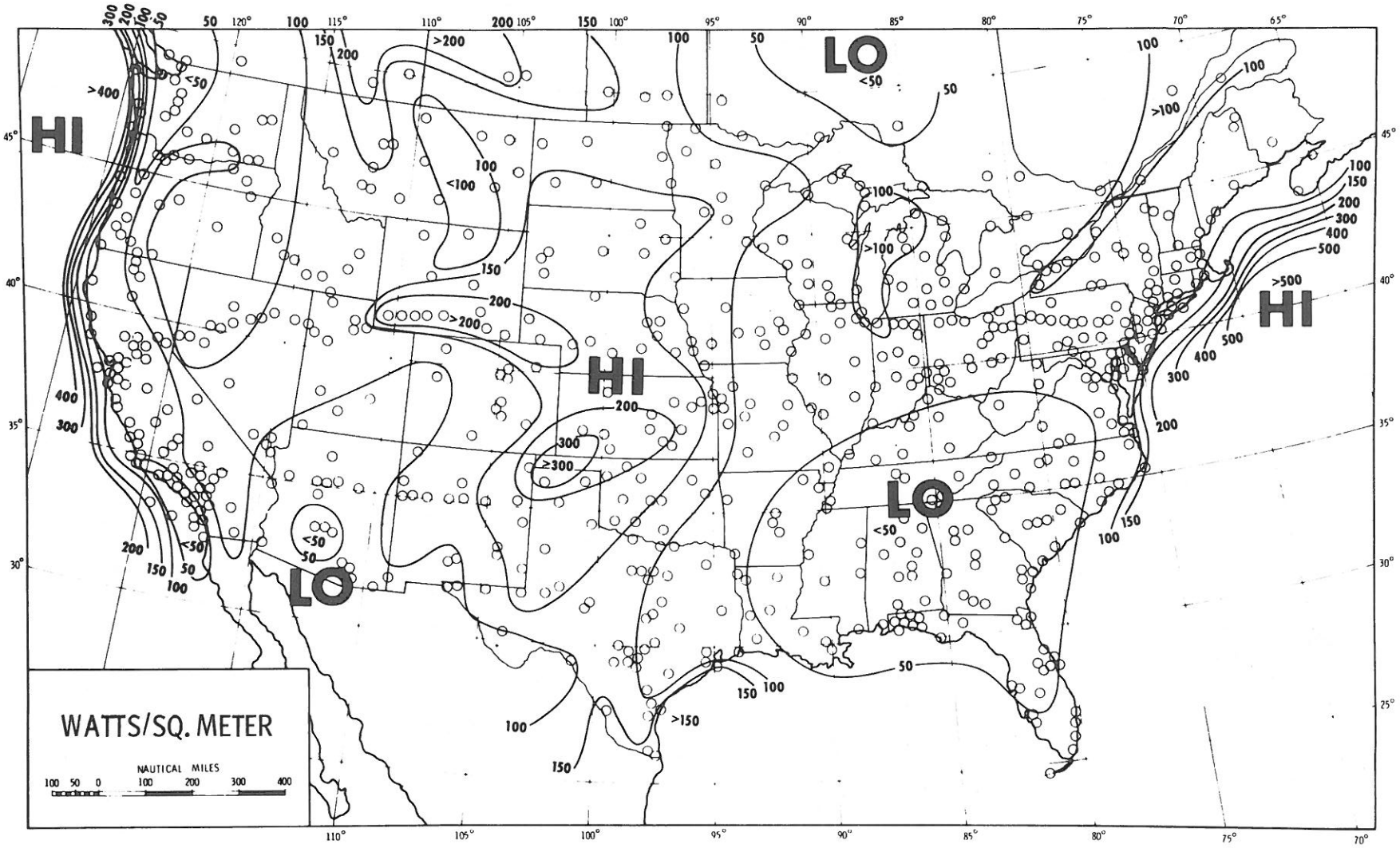


Figure 4. Available Wind Power, Summer Average

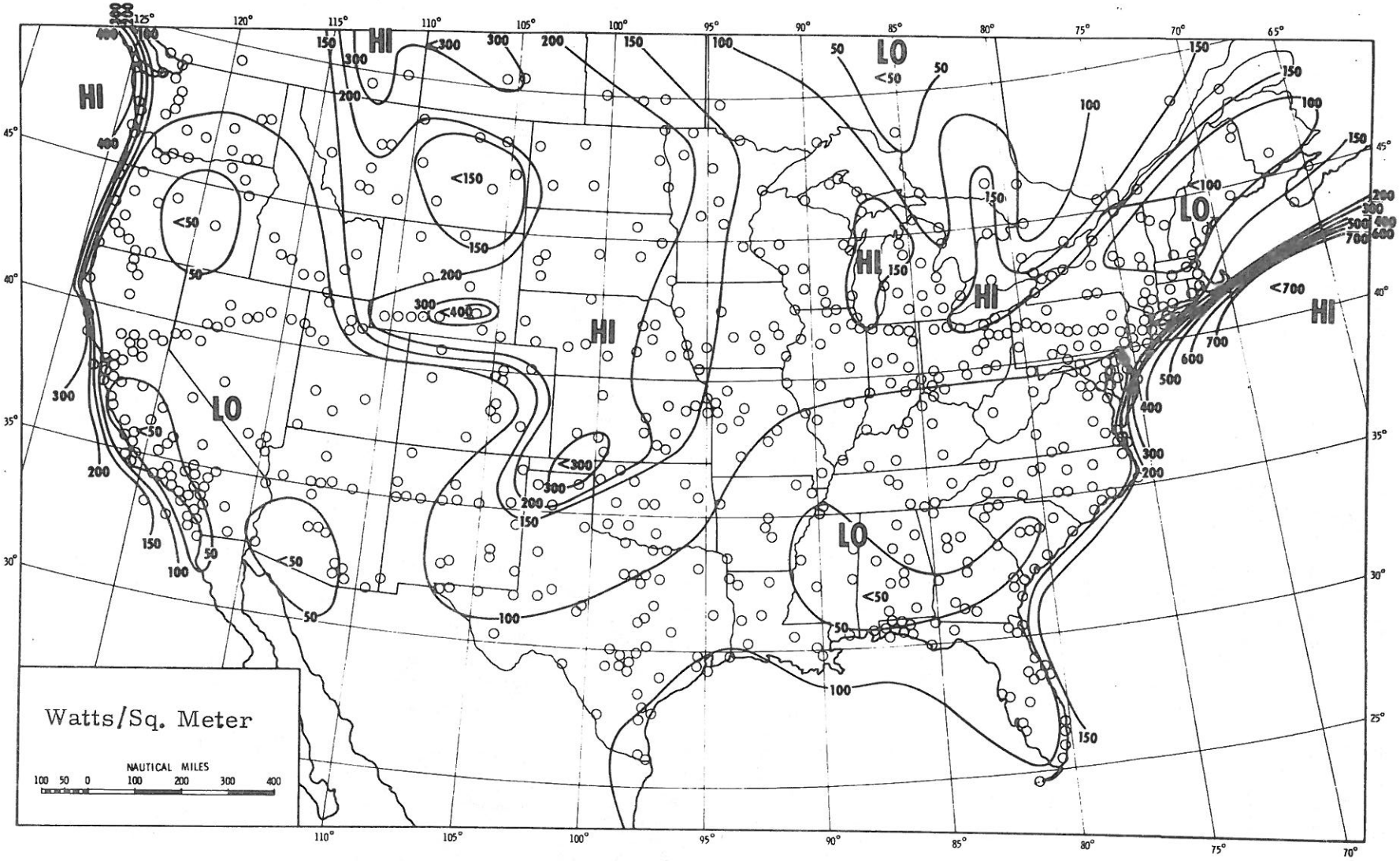


Figure 5. Available Wind Power, Fall Average

Note that steady wind speeds of 10, 15, and 20 mph (4.5, 6.7, and 8.9 m/s) at sea level correspond to wind power values of 55, 185, and 438 Wm^{-2}, respectively. At best, Betz showed that only 16/27 of this wind power can be gathered by a perfect collector.[7] If all wind energy is extracted, airflow stops, thus blocking further flow through a collector. Various practical considerations further reduce potential exploitation (by friction as well as limits on energy conversion efficiency), low power operation, and structural integrity at extreme speeds. It appears that only about 20 percent, possibly less, of indicated isodyn values can be extracted and converted to on-line commercial electricity.

Wind power maps do show, however, that there is considerable power available in the Western High Plains and along New England and Pacific Northwest coasts. Areas in the Eastern Great Lakes and Texas Gulf coast also have potential wind power value. It appears that Southwest and Southeast regions have only limited potential for exploitation.

An analysis of interstation variability was made while geometric averages (log-normal distribution) were calculated for circular areas. The geometric standard deviation (error factor) pattern is shown in Figure 6. There was little seasonal change in these values, so only a spring season map was prepared. Spring did have the greatest variability in most areas. There was, however, only ±0.1 range of geometric standard deviations over different seasons, even in the most variable regions.

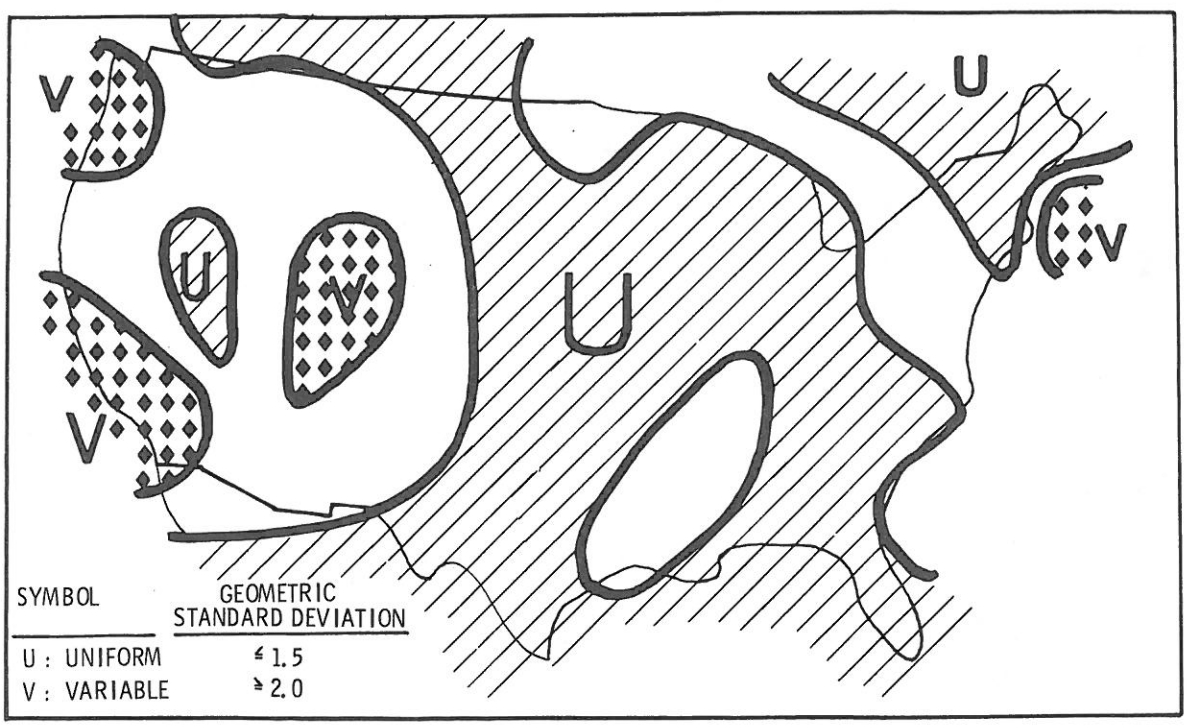


Figure 6. Relative Pattern of Wind Power Variance Between Stations, Spring Season

In Figure 6, areas of "uniform" and "variable" conditions were delineated by geometric standard deviations of 1.5 and 2.0, respectively. For an interpretive example, in the Wyoming region, where wind power averages near 400 Wm^{-2}, the "variable" designation means that about one-sixth of stations reported more than 2.0 times the average, or 800 Wm^{-2}, and one-sixth had less than 400/2.0 = 200 Wm^{-2}. Also, in the upper Great Plains where the power pattern is more "uniform", a 150 Wm^{-2} isodyn indicates that more than two-thirds of the sites would give between 150/1.5 and 1.5 x 150 Wm^{-2}, between 100 and 225 Wm^{-2}.

Great variability occurs along Pacific and New England coasts, where station power depends on local exposure to free airflow from the ocean. Variability is also large in the central Rocky Mountain region, where local elevation and mountain exposure (or protection) dominates the available power at a particular site. This analysis substantiates intuition that detailed site selection for wind turbines is very important in irregular terrain environments. It is of much less concern over great areas of relatively level ground.

Seasonal Wind Power Cycles

Figures 2 through 5 showed that areas of high wind power usually have their highest winds in winter, but little wind power in summer and fall seasons. Curves of monthly average wind power for some selected stations are shown in Figures 7 through 11, in various areas where wind power collection might become feasible. In the Northeast, Figure 7 shows maximum wind power usually comes in winter and roughly coincident with a peak in electricity demand in that region.[8] Similarly, Figure 8 shows that the Pacific Northwest also has its maximum wind power and electricity demand in winter. All stations for Figure 8 were on the coast, and three were selected for high power values. Astoria was shown because it received very little power, although it is on the coast at the Columbia River mouth. Local conditions are clearly important influences over such inhomogeneous terrain.

In California (Figure 9), seasonal power peak occurs in May or June along the coastline at San Nicolas Island, in the uplands at Palmdale, as well as in the desert Imperial Valley at El Centro. This pattern peak precedes the regional electricity demand peak that comes in fall. In Texas (Figure 10), the spring wind power peak lags the electricity demand peak by about 3 months. Figure 11 shows maximum wind power in late winter or early spring in the northern plains region, and this precedes a summer peak in electricity demand.

Such seasonal nature to wind power availability makes it obvious that large scale systems that depend primarily on wind would require long term energy storage where supply and demand curves are not in phase. Current work that envisions wind exploitation to supplement existing electric generating networks to save fossil fuel is not dependent on storage developments.

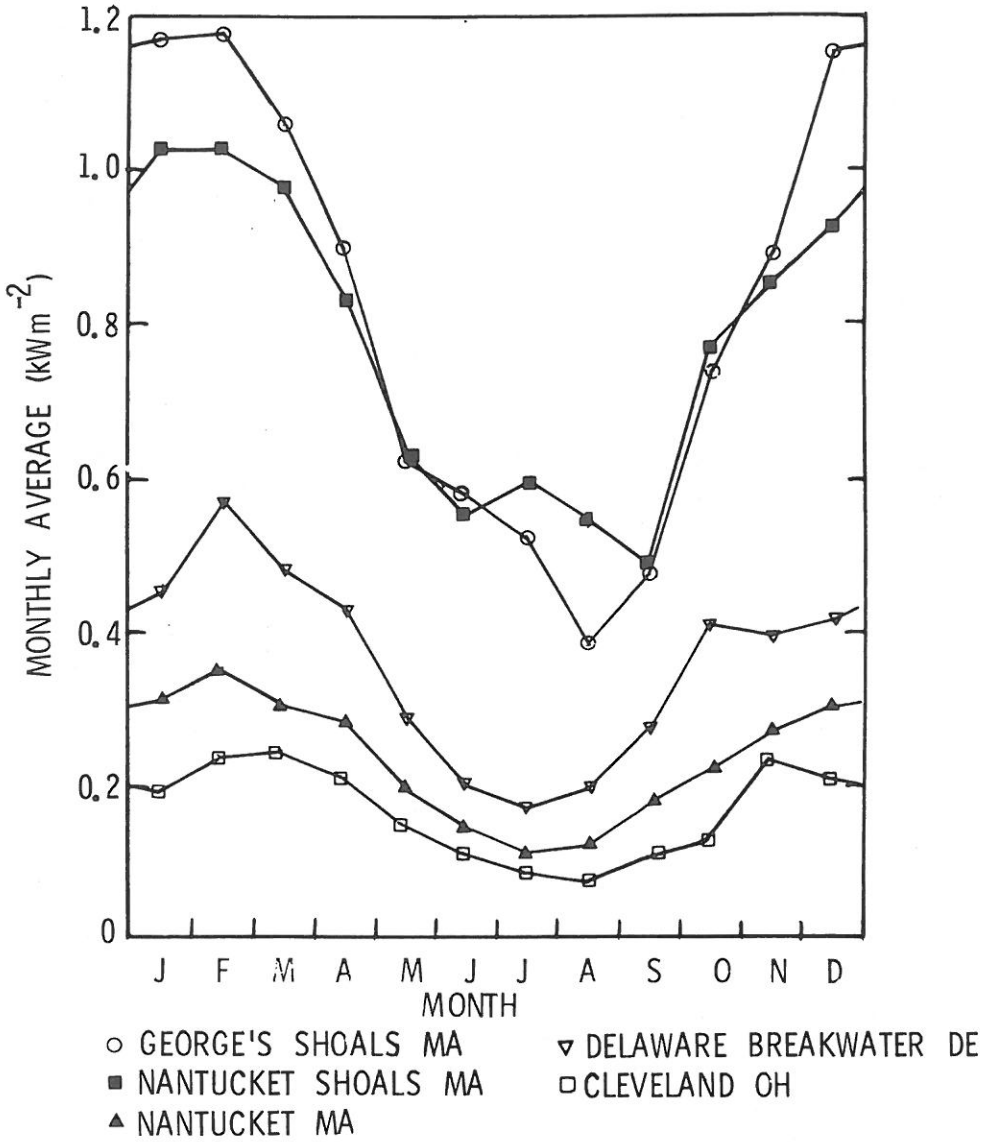


Figure 7. Annual March of Wind Power, Northeast United States

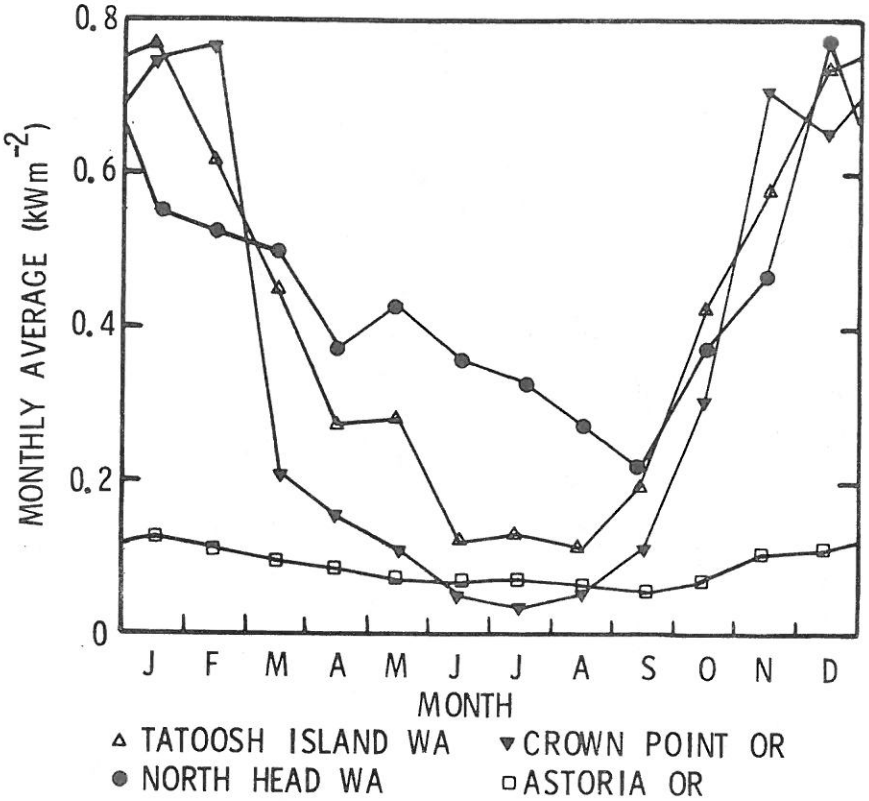


Figure 8. Annual March of Wind Power, Northwest Coast

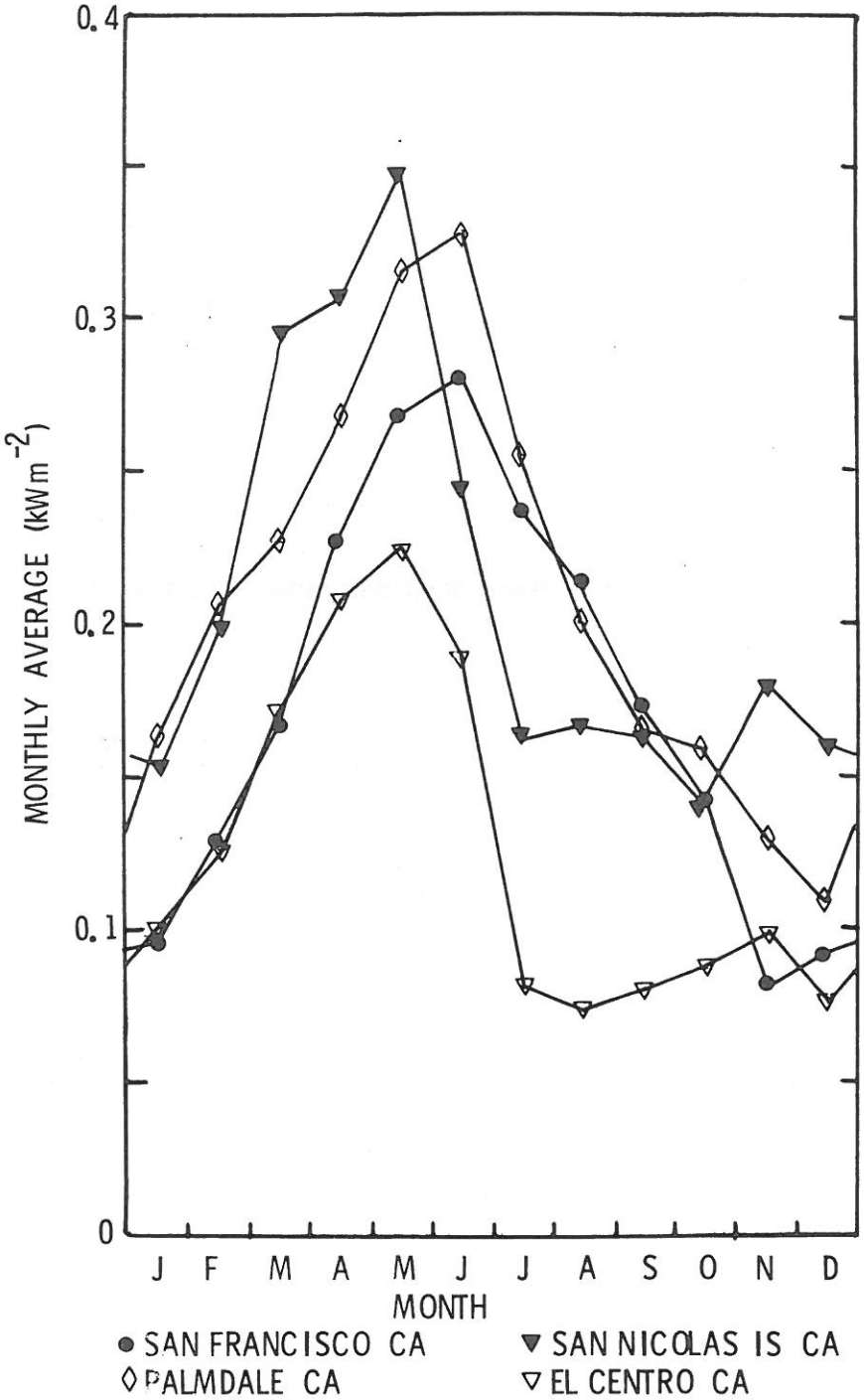


Figure 9. Annual March of Wind Power, California

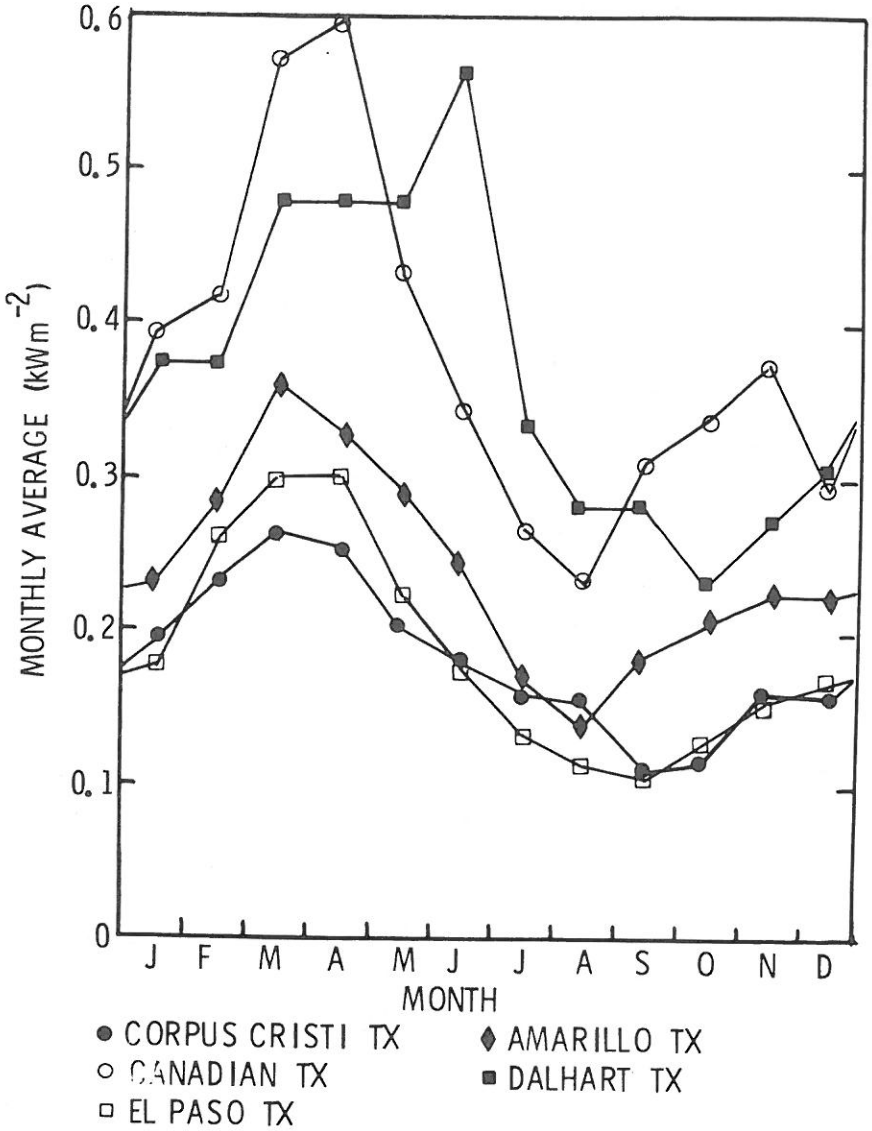


Figure 10. Annual March of Wind Power, Texas

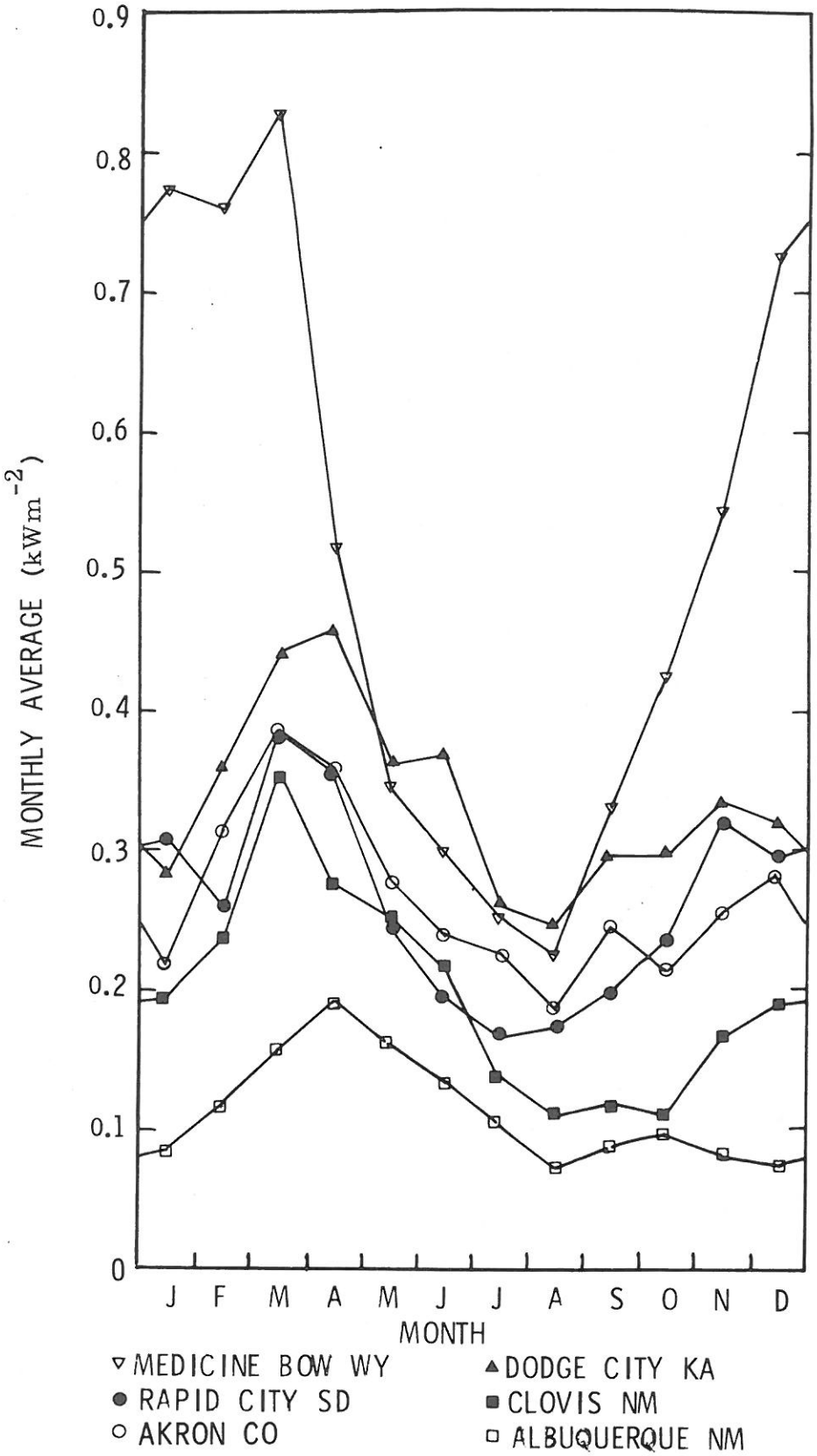


Figure 11. Annual March of Wind Power, Plains and Rockies States

Wind Power in the Free Air Circulation

Surface level wind power estimates from anemometer observations are very sensitive to local exposure and environment. "Standard" anemometer height is 10 meters, but actual installations often depart from this standard for various local reasons. Above the atmospheric boundary layer, which extends up to about 150 m to 500 m depending on terrain, air mass thermodynamic stability, and wind speed, flow patterns are more coherent. They have less interstation variability caused by terrain and exposure, and they are not subject to significant diurnal rhythms.

In wind power evaluation, it is useful to know this free air circulation power, and thus what potential power could be gained by a wind turbine if there are no practical engineering and economic factors to resist very tall tower installations. Eight isodyn maps for four seasons and two levels, in Figures 12 and 13, have been prepared for this purpose. Upper air analyses, from rawinsonde balloon observations, are routinely made at standard levels of 850 mb (85 kPa and near 5000 feet MSL) and 700 mb (70 kPa and near 10,000 feet MSL) pressures. The 85-kPa analysis is assumed to be representative of free air circulation over low terrain in the Eastern United States. The 70-kPa analysis is similarly assumed as representative over higher elevations in the West. The 1000 Wm^{-2} isodyn is emphasized on each; it is the only isodyn common to all eight maps. Note that isodyn sets are not graduated linearly. Below 1 kWm^{-2} m geometric spacing was adopted with 500, 200, and 100 Wm^{-2} contours. Above 1 kWm^{-2}, linear graduation was used with kWm^{-2} delineations, except where a 1500 Wm^{-2} isodyn was added for pattern clarification.

In general, winter patterns show the most power available and summer patterns the least, as previously shown in surface isodyn maps. Two interesting features have been found in these maps. First, power near mountain top level in the Northeast, at 85 kPa, was substantially higher than it was near mountain top level in the West, at 70 kPa, in all seasons. Record anemometer speeds of 225 mph have been observed at Mt. Washington, New Hampshire.[9] It is conceivable, however, that even higher records could have been obtained on higher Western mountains if comparable observatories had ever been constructed there.

Another feature of the high power aloft in the East in winter was its increase with height. The 50-percent increase in power from 85 kPa to 70 kPa was only slightly greater than would be predicted by the boundary layer "Law" that shows wind speed increasing with the one-seventh power of height above ground.[10] On the other hand, at other locations and in other seasons, the power increase was much greater. Most wind power values at 70 kPa were double or triple those at 85 kPa, except in very low power regions of the South and Southwest, where the pattern was irregular.

Data for these maps were obtained from a series of climatological maps by Crutcher[11] that describe the elliptical bivariate normal distributions of wind vectors at several altitudes, as calculated from rawinsonde data archives.

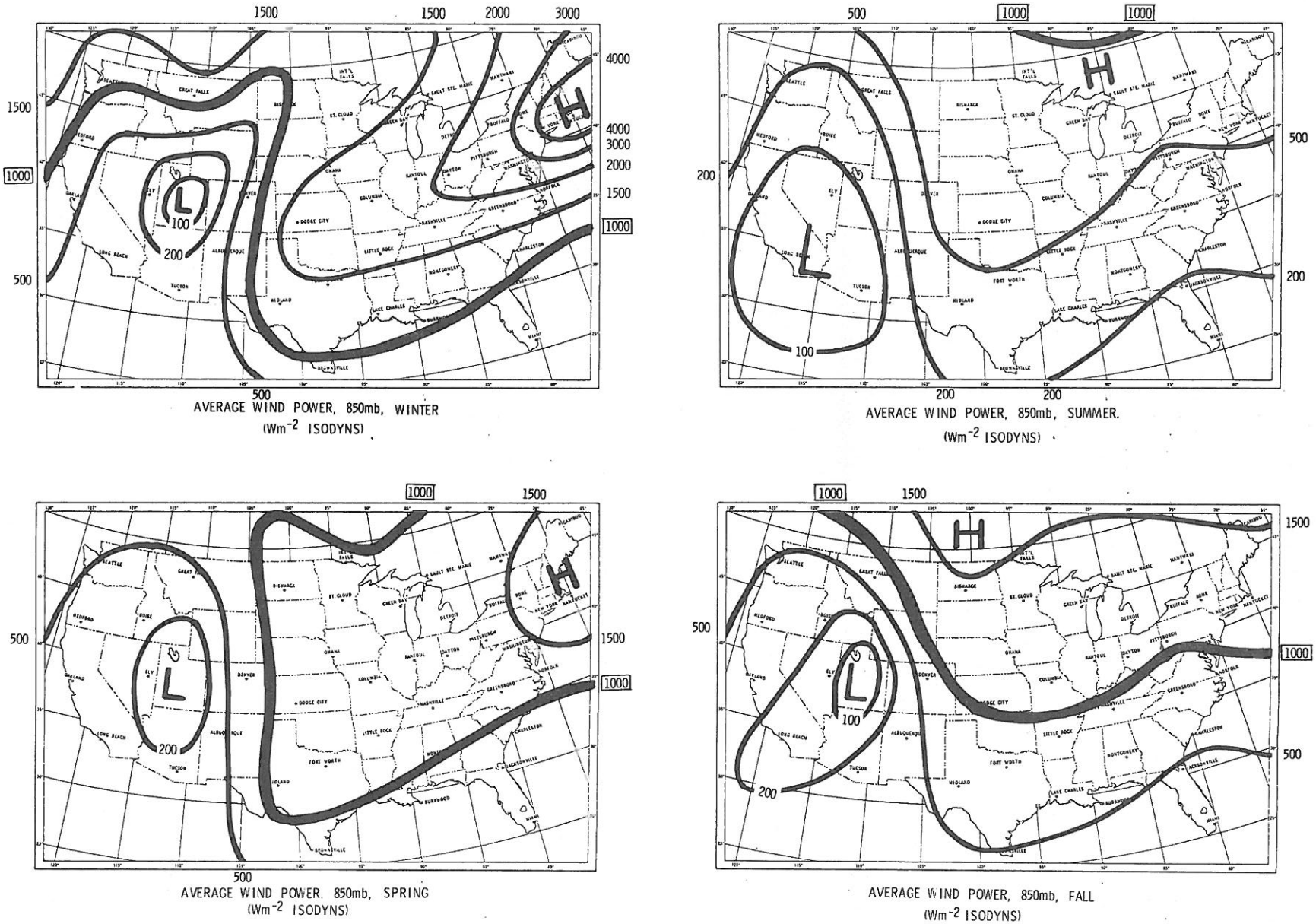
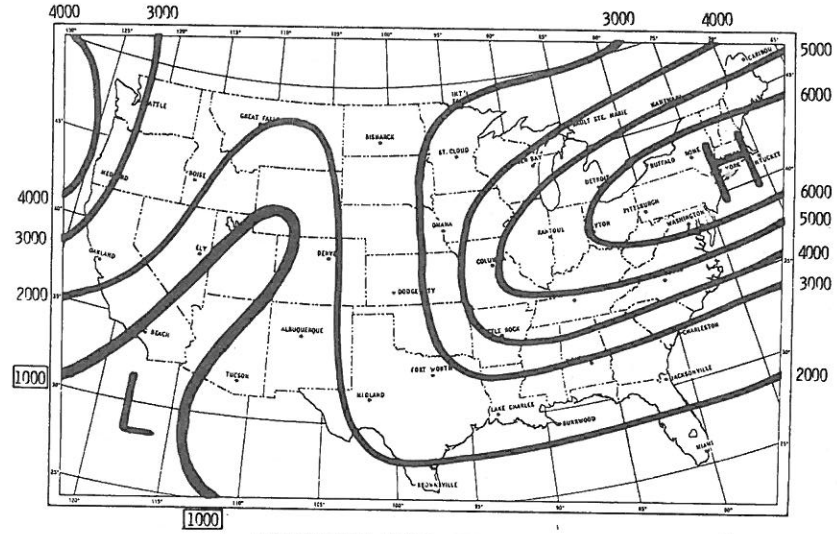
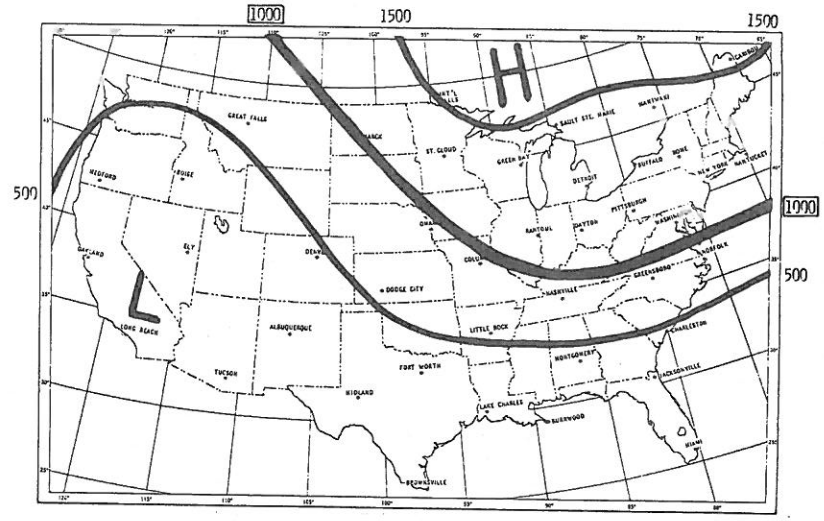


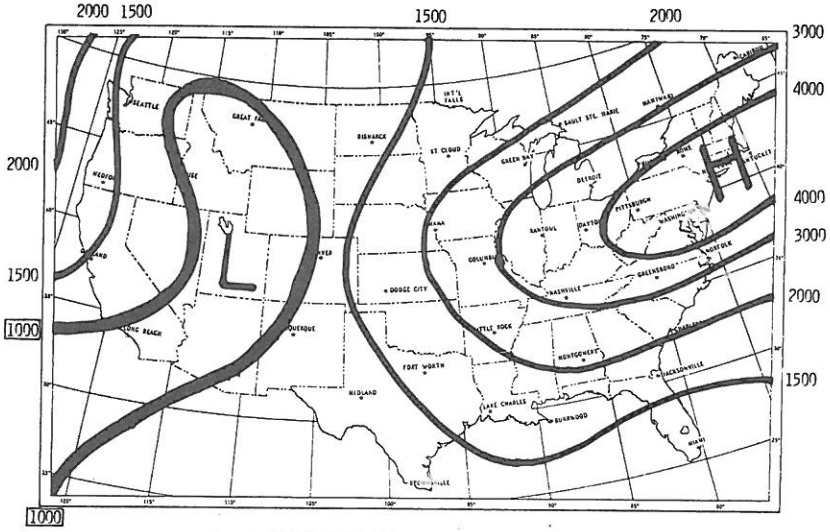
Figure 12. Upper Air Wind Power at 850 mb (5000 feet MSL)



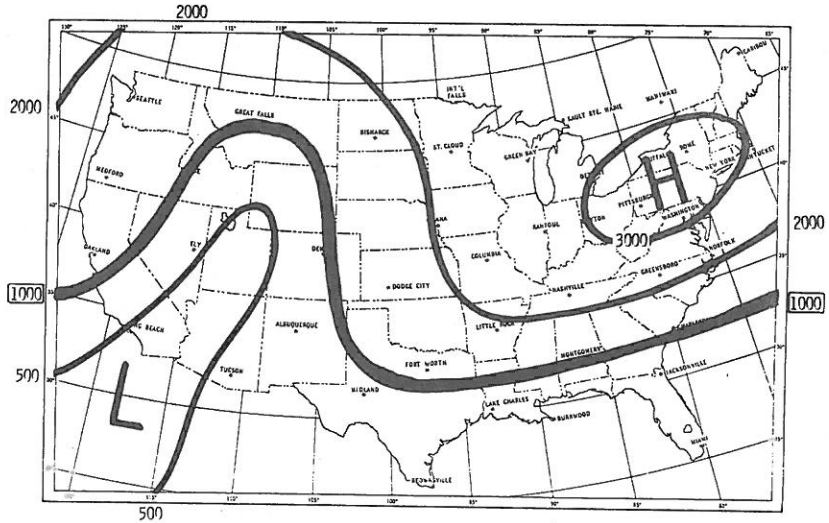
AVERAGE WIND POWER, 700mb, WINTER
(Wm^{-2} ISODYNS)



AVERAGE WIND POWER, 700mb, SUMMER
(Wm^{-2} ISODYNS)



AVERAGE WIND POWER, 700mb, SPRING
(Wm^{-2} ISODYNS)



AVERAGE WIND POWER, 700mb, FALL
(Wm^{-2} ISODYNS)

Figure 13. Upper Air Wind Power at 700mb (10,000 feet MSL)

Five statistics required for this evaluation are shown by example in Figure 14. They are vector mean wind speed, $|\bar{V}|$, and direction, $\bar{\theta}$, elliptical normal distribution major and minor axis standard deviations, σ_a and σ_b, and orientation of the ellipse, Ψ. These parameters were read from Crutcher's charts[11] at intersections of a 10-degree latitude and longitude grid. Wind power, proportional to V^3, was calculated for incremental rings of wind speed, where $\Delta V = 1$ m/s and angular increments of $\Delta\theta = 1$ degree, with occurrence probability determined by position in the elliptical probability distribution field. Integration for total power was carried out for $0 \leq V \leq 50$ m/s with single precision computer arithmetic. Resulting net probabilities usually overshot 100 percent, but by small amounts, under 0.1 percent. Limited testing with $\Delta V = 0.5$ m/s showed, at most, that there was a few percent truncation error. A 10-degree grid does not preserve any details from the general circulation pattern, but such detail seems unimportant to this present purpose.

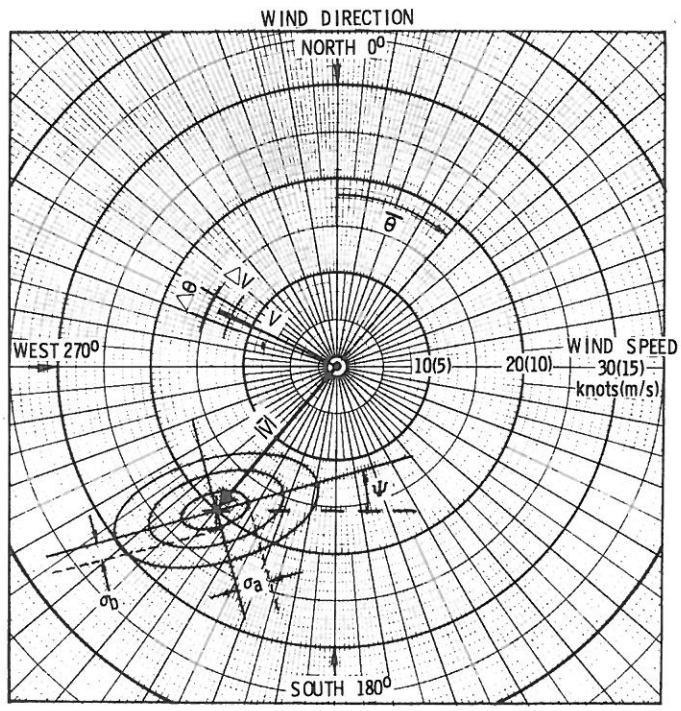


Figure 14. Upper Air Wind Vector Statistical Model

Comparison between Figure 12, at 85 kPa, and surface values in Figures 1 through 5 has been made for certain selected areas. Around Amarillo, Texas, the surface annual average power, 300 Wm^{-2}, is only about one-third of the 85 kPa value. Near Albuquerque, the 150 Wm^{-2} annual average contour near the ground is nearly 40 percent of the 85 kPa average, since the terrain level is higher and nearer to the standard level (often above it). Incidentally, anemometer data from Sandia Crest,[12] at 10,600 feet MSL, east of Albuquerque showed 518 Wm^{-2}, about half the 70 kPa average taken from Figure 13. In Southeastern Wyoming, surface data showed about half the 85 kPa power. Also, off the New England coast about half the power at 85 kPa reached down to the anemometers at shoals lighthouses.

Wind Power-Height Relationships

In the frictional boundary layer above the ground, wind speed increases with height in a complex way. This rate of increase depends on air mass thermodynamic stability, wind speed, and terrain roughness. For long-time averages, this rate often follows a rule-of-thumb law that wind speed is proportional to the one-seventh power of height above ground.[10] Wind records for two meteorological research towers at Albuquerque, New Mexico,[13] and Hanford, Washington,[14] have been analyzed to find whether this rule is reasonably valid, as shown in Figures 15 and 16. Tower data wind power, plotted versus height on these figures, approximately follows the $Z^{3/7}$ slope, as expected. Wind power is also shown at 85 kPa and 70 kPa upper levels, although 85 kPa is below ground level at Albuquerque. Sandia Crest data were plotted as if the mountain were simply an instrument mast above the Rio Grande Valley and surrounding terrain. The conclusion is that reasonable "ball-park" estimates of wind power may be made with the "One-Seventh Law" for wind speed. Detailed estimates, with better than a factor of two error in power, would require some sort of site survey. When annual wind power variability is considered, however, it is not clear that very accurate evaluations would be possible in any reasonable length of special recording. They may, however, be correlated with long-time records and thus correctible.

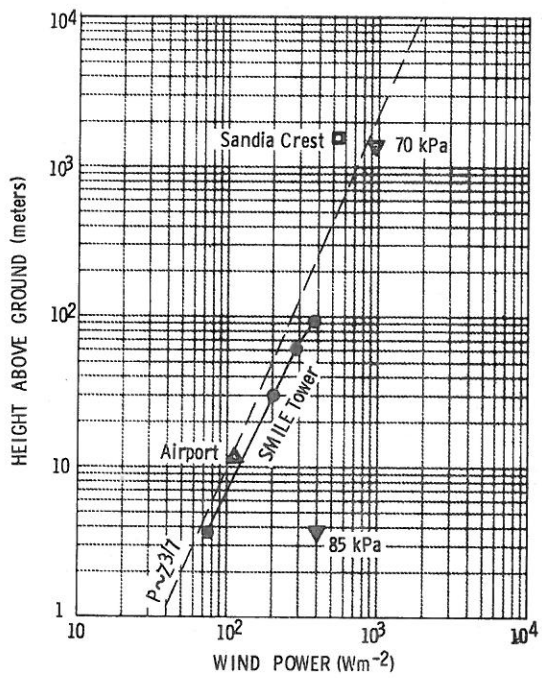


Figure 15. Annual Average Wind Power Versus Height - Albuquerque, New Mexico

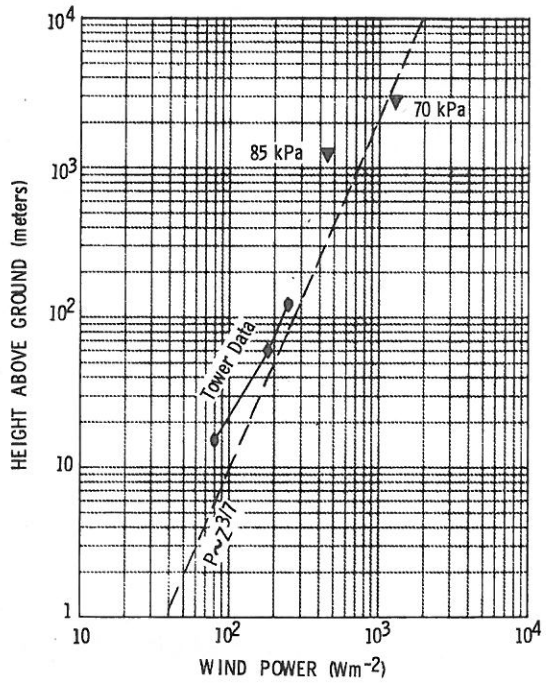


Figure 16. Annual Average Wind Power Versus Height - Hanford, Washington

Comparisons of ordinary "surface" observation anemometer data with upper level wind power values was made for four other locations in Figure 17. At Cheyenne, Wyoming, the 85-kPa level was below ground level. These data also show that the one-seventh power law gives reasonable approximation, even to 3 km above coastal stations. It does appear, however, that both east and west coast 85-kPa power values are 30 to 50 percent below the connecting curve.

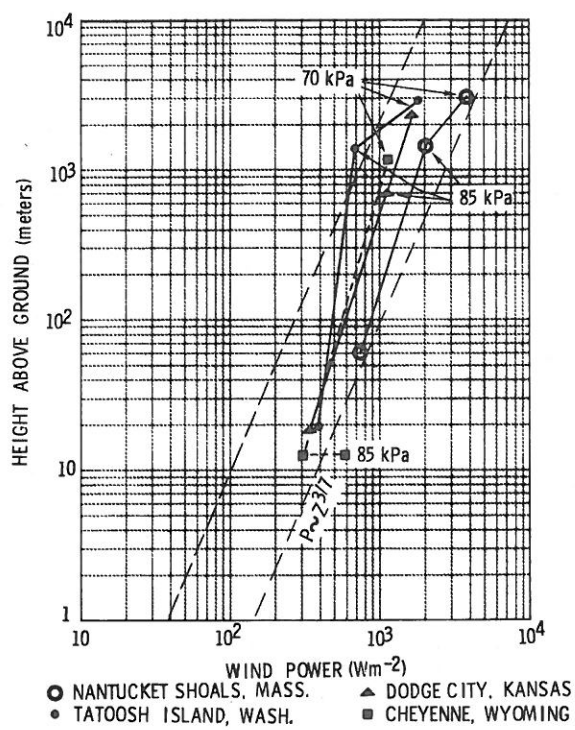


Figure 17. Annual Average Wind Power Versus Height at Selected Stations

Some data have also been published in form suitable for evaluation of height effects at different wind speeds. The wind power at 400 feet above ground at Hanford, Washington,[14] divided by the wind power at 50 feet, as a function of wind speed categories at 50 feet, is shown in Figure 18, averaged for the entire year. Plotted points show values at midcategory speeds. For example, the 10-mph point represents all 8 mph to 12 mph speeds, as tabulated in the reference. It appears that "interesting" wind speeds of 5 mph to 35 mph give the relationship that

$$R \approx 12.7\ V_{50}^{-1/2} \tag{3}$$

for 50-foot wind speed, V_{50} mph, and R is the ratio of wind power at 400 feet divided by wind power at 50 feet above ground. Reasonable linear approximation is also obtained with both linear and semi-log plots of these data, but this power law allows simple calculated extrapolations for other height pairs.

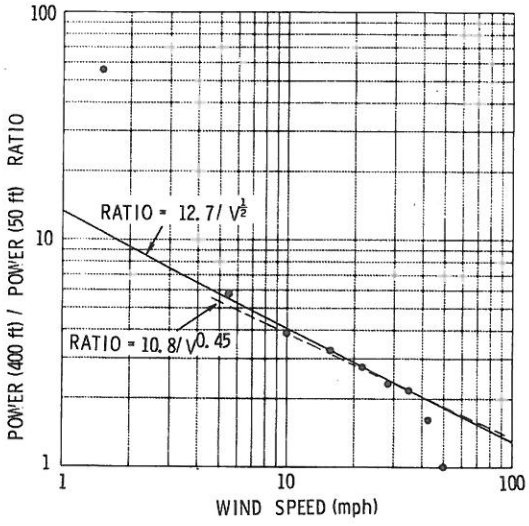


Figure 18. Wind Power Versus Speed at Height 400 Feet Versus 50 Feet - Hanford, Washington

Data from an Argonne Laboratory tower, near Chicago, Illinois,[15] have also been published in a joint distribution form that allows calculation of power at a 19-foot height, under circumstances of categorized speeds at 150 feet. Results are shown in Figure 19 and compared with similar statistics from the Hanford data collection. There is only minor difference in slopes between the two sets, and both show slightly faster increase in power with height than predicted by the one-seventh law for speed. Particularly at high speeds of interest to turbine designers, the Hanford relationships would reasonably well apply to Argonne.

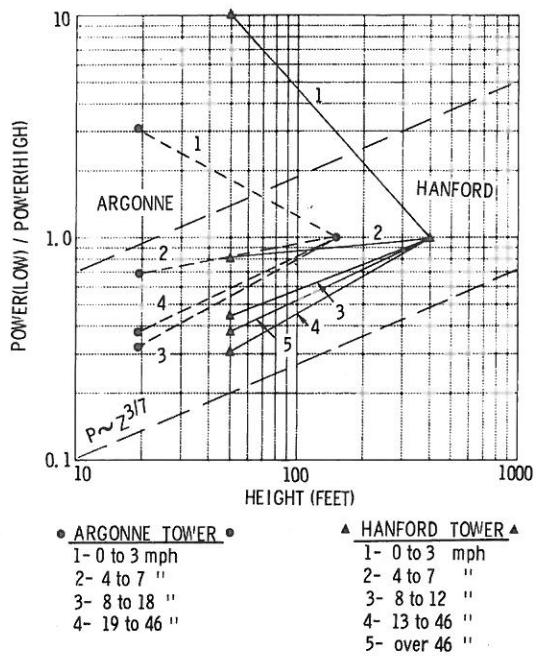


Figure 19. Wind Power Versus Height and Speed Relationships - Hanford, Washington, and Argonne, Illinois

At other stations, "surface" anemometer height may be standard, 10 m, and extrapolation might be needed for a power estimate at 40 m. Assume that, for some speed, V_1, a power law is valid for relating speed, V, to height, Z, different from Z_1 where V_1 was observed. Then

$$V/V_1 = (Z/Z_1)^a \tag{4}$$

where the exponent a depends on V_1 as was shown by the data in Figure 17. When surface wind is very light and there is a strong temperature inversion (at night, for example), then the speed increase and exponent a are large. With strong turbulence and thermodynamic instability and high wind speed, this boundary layer would become relatively homogeneous and the exponent $a \rightarrow 0$. The relationship in Equation (4) may be used to determine the function $a = a(V_{50})$, and appropriate algebraic manipulation with Equation (3) then yields

$$V_2/V_1 = (Z_2/Z_1)^{0.27960+0.03265\,\ell n\, Z_1} \cdot V_1^{0.10528\,\ell n\, Z_1-(0.09831+0.05502\,\ell n\, Z_2+0.006424\,\ell n\, Z_1\,\ell n\, Z_2)} \tag{5}$$

where V_2 is the speed at some height, Z_2, when the speed V_1 is known at some other height, Z_1. By assuming that $a(V_{50})$ at Hanford is applicable elsewhere (this may not be unreasonable because at interesting speeds, mechanical ground friction is most important and this probably is not drastically variant between larger airports where observing is usually done), a computer program for Equation (5) allows wind speed versus height estimations for other station data sets. Synthesis

for Albuquerque conditions has been calculated and shown in Figure 20. Such curves could be used to estimate wind power above ground at stations where only one anemometer level is available in archives, based on the speed frequency distribution of anemometer winds.

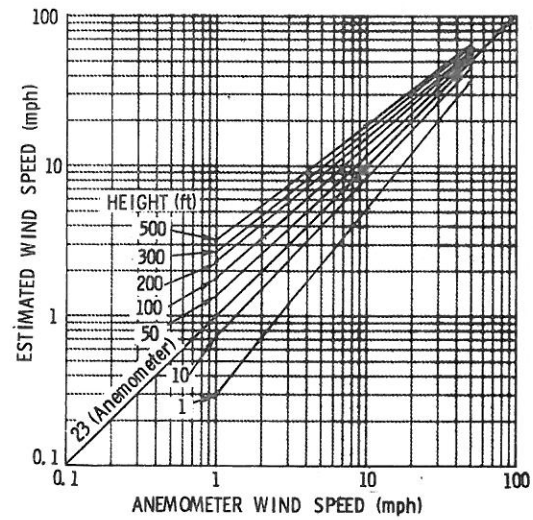


Figure 20. Wind Speed Versus Height - Albuquerque, New Mexico; Based on Hanford Speed Relationships

The wind speed distribution from the Albuquerque airport anemometer data is shown in Figure 21, along with calculated estimates for 100 feet and 200 feet above ground. Where anemometry shows 21 percent of wind speeds greater than 10 knots, this increases to 32 percent at 100-foot height and 42 percent at 200-foot height. Total wind power, integrated from these distributions, ranges from 113 Wm^{-2} at the anemometer (which was moved from 48-foot height to 23-foot height during the record period) to 192 Wm^{-2} at 100-foot height and 278 Wm^{-2} at 200-foot height. These extrapolations give results that are very close to values obtained from SMILE tower data[13] at those heights, which are shown earlier in Figure 15.

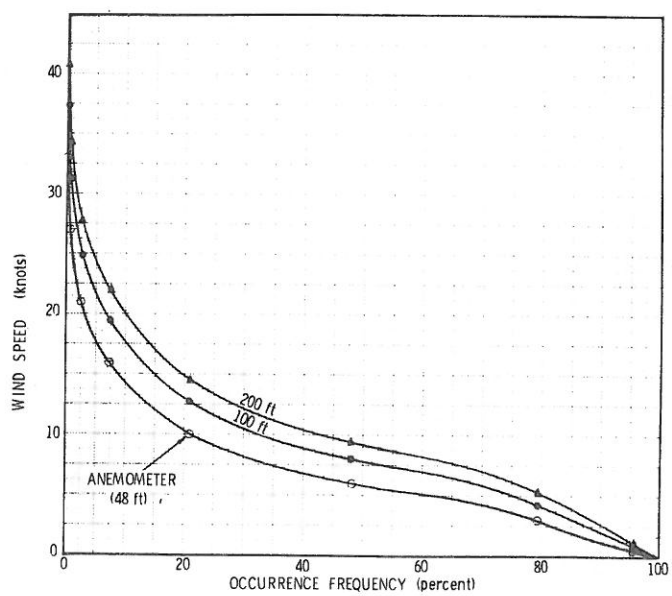


Figure 21. Wind Speed Distributions Versus Height Above Ground

Summary

Wind power, dependent on the cube of wind speed, was evaluated by month, season, and annual averages for 758 North American weather stations. Results as well as speed distribution tables have been tabulated in the Appendix. Maps with isodyn contours have been prepared to show large wind power potentials in the Western Great Plains and off New England and Pacific Northwest coasts. Seasonal analyses show that power availability in some areas is synchronous with electricity demands but is out of phase in other sections.

Anemometer power estimates range from one-third to one-half of the "free air" power flowing above the atmospheric frictional boundary layer, 200 m to 500 m deep. In this boundary layer wind speeds generally increase in proportion to the one-seventh power of height above ground, as determined by others and here verified with meteorological tower records from various locations.

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APPENDIX

Tables of Wind Speed Distributions and Available Wind Power

The following Tables were made from a magnetic data tape of wind speed distributions from summaries available at the National Oceanographic and Atmospheric Administration (NOAA) National Climatic Center, Asheville, North Carolina. They are here organized alphabetically by states and geographically within states. A selection of Canadian border stations follows the United States collection. In addition, international station number designations have been supplemented with location names and geographic coordinates.

A total of 758 station records is included. There are a few apparent duplications where two summaries exist for single stations. For example, Station 23160, Tucson, Arizona, has two summaries, one for knots and one for mile per hour wind speeds.

Available speed distribution summaries used different speed intervals, depending on the needs of the requestor at the time of preparation. A uniform re-evaluation of all NCC wind data would be prohibitively expensive and was not considered. Also, no attempt has been made to normalize these data for various and varying anemometer exposures, even where it is known. It was assumed that the great noise of local variability in winds will mask most of such detailed differences. It is thus cautioned that specific pieces or sets of these data should not be blindly accepted for standards. They may, however, be useful as guidelines in determining procedures for detailed site studies or evaluations.

The heading code follows:

NNNNN Y1-Y2 SS LLL...L LATI LONGI WI SP SU FA

where NNNNN = international station number

Y1-Y2 = period of record, 19--, (-0--0 shows broken record periods)
SS = abbreviation for state names, U.S. Postal Code
LLL...L = station name
LATI = Latitude in degrees and minutes (3439 = 34° 39'N)
LONGI = longitude in degrees and minutes (8646 = 86° 46'W)
WI, SP, SU, FA = winter, spring, summer, and fall seasonal averages of wind power, in watts/square meter.

Column headings are almost self-descriptive. Data column headings show speed intervals in designated units of knots or miles per hour. Units for the average wind power column is again,

Wm^{-2}. The month number code follows 1 = January, ..., 12 = December, 13 = Annual total or average. TOTAL OBS is the number of hourly wind speed readings in the specified raw collection. There would be 720 observations in a 30-day month and 8,760 observations in a 365-day year. Basic tabulations are percent occurrence frequencies for indicated (columnar) wind speed intervals.

There were very few errors or omissions noted in the provided tape; these have been corrected, logically or in some cases by interpolation.

Canadian province names were assigned abbreviations that sometimes duplicate Unites States abbreviations. The system used was

NS-Nova Scotia	ON-Ontario	AL-Alberta
NB-New Brunswick	MN-Manitoba	BC-British Columbia
QU-Quebec	SA-Saskatchewan	

Users with special needs for large quantities of this information are encouraged to contact the author for copies of the data tape, locator cards, and analysis programs. Special summaries may also be arranged and programmed for Sandia production.

3096 59-64 AL HUNTSVILLE 3439 8646 WI= 98.6 SP= 85.0 SU= 32.0 FA= 61.9

MONTH	TOTAL OBS	KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	POWER
1	4460	4.8	26.2	28.2	21.7	2.8	.2	0.0	0.0	0.0	0.0	80.3
2	4079	2.9	22.6	31.8	26.7	4.9	.0	.1	0.0	0.0	0.0	109.7
3	4463	2.2	19.9	32.3	26.8	9.3	1.2	0.0	0.0	0.0	0.0	118.8
4	4320	2.5	23.8	32.3	23.6	2.8	.3	0.0	0.0	0.0	0.0	87.3
5	4463	3.9	30.2	29.5	12.6	.8	0.0	0.0	0.0	0.0	0.0	48.8
6	4320	4.1	36.6	28.1	8.4	.3	0.0	0.0	0.0	0.0	0.0	37.2
7	4464	5.7	39.8	25.8	5.0	.4	0.0	0.0	0.0	0.0	0.0	29.5
8	4464	6.7	36.1	25.7	6.3	.3	0.0	0.0	0.0	0.0	0.0	31.7
9	5040	4.5	29.3	31.9	13.4	1.5	.1	0.0	0.0	0.0	0.0	56.8
10	5208	4.6	26.2	28.5	12.1	1.3	.1	0.0	0.0	0.0	0.0	50.9
11	5040	5.2	25.7	26.4	18.8	2.4	.7	.1	0.0	0.0	0.0	78.0
12	5207	3.8	24.3	32.1	21.3	3.1	.6	0.0	0.0	0.0	0.0	87.9
13	55528	4.1	28.2	29.3	16.1	2.1	.3	0.0	0.0	0.0	0.0	66.8

93826 -8--8 AL FOLEY 3358 8605 WI= 143.8 SP= 157.1 SU= 82.0 FA= 107.4

MONTH	TOTAL OBS	MPH 0-7	8-12	13-20	21-30	31-40	POWER
1	2372	29.7	42.6	21.2	1.1	0.0	133.5
2	2512	19.5	45.6	28.8	2.7	0.0	182.6
3	2815	24.0	44.2	25.7	1.3	0.0	153.9
4	2695	20.8	46.9	25.9	2.6	0.0	174.6
5	2510	22.4	51.3	22.3	1.0	0.0	142.8
6	2823	31.7	49.2	12.4	1.1	0.0	186.2
7	2816	39.5	41.7	8.5	.2	0.0	73.6
8	2132	40.4	47.3	4.5	.4	0.0	66.2
9	2559	35.6	46.1	11.1	1.6	.1	109.8
10	2564	37.6	44.7	12.4	.6	0.0	96.1
11	2407	34.0	43.7	17.0	.9	0.0	116.3
12	2363	34.6	41.8	17.1	.9	0.0	115.2
13	30568	30.7	45.4	17.3	1.2	0.0	122.7

75258 -8--8 AL GADSDEN 3358 8605 WI= 84.2 SP= 85.4 SU= 27.2 FA= 49.7

MONTH	TOTAL OBS	KNOTS 1-3	4-6	7-10	11-16	17-27	28-40	POWER
1	4570	8.8	27.6	21.9	16.2	3.9	.1	84.6
2	4287	8.2	24.8	26.5	28.1	5.1	0.8	104.4
3	4628	6.5	25.7	26.0	19.4	5.7	.2	114.0
4	4417	5.8	27.8	27.3	17.2	4.7	.2	99.1
5	4730	8.0	31.6	25.5	18.2	.7	0.0	43.2
6	4475	9.5	36.0	22.0	6.1	.7	0.0	34.9
7	4560	9.3	37.1	21.2	3.9	.2	0.0	25.8
8	4488	9.5	34.6	18.2	3.5	.2	0.0	21.8
9	4352	8.6	34.1	24.5	9.1	.6	0.0	40.0
10	4568	7.7	26.7	22.3	11.1	.9	0.0	45.6
11	4377	7.9	25.3	21.7	14.4	2.2	0.0	63.5
12	4507	6.1	25.0	23.7	13.7	2.3	0.0	63.6
13	53955	8.0	29.8	23.4	12.1	2.3	0.0	61.5

13876 -8--8 AL BIRMINGHAM APT 3334 8645 WI= 130.6 SP= 124.9 SU= 52.6 FA= 81.9

MONTH	TOTAL OBS	KNOTS 1-3	4-10	11-21	22-27	28-40	POWER
1	7433	10.5	47.6	28.5	.8	.2	127.7
2	6765	8.9	43.7	35.4	1.4	.2	157.5
3	7440	9.7	45.0	33.3	1.6	.3	156.4
4	7200	10.5	45.5	30.2	1.2	.2	137.8
5	7440	13.1	51.3	18.9	.1	0.0	80.4
6	7200	15.6	53.9	13.5	.2	0.0	64.2
7	7439	16.9	55.1	8.5	.1	.1	49.5
8	7438	18.2	52.1	8.1	.1	0.0	44.0
9	7196	14.5	53.5	15.2	.1	0.0	68.7
10	7438	16.8	48.3	15.2	.2	0.0	68.5
11	7200	15.2	47.4	23.3	.7	.2	108.6
12	7437	12.0	50.1	24.4	.7	0.0	106.5
13	87626	13.5	49.5	21.1	.6	.1	97.2

93806 -8--8 AL TUSCALOOSA,VAN DE GRAFF APT 3314 8737 WI= 76.1 SP= 65.4 SU= 19.3 FA= 40.2

MONTH	TOTAL OBS	MPH 0-3	4-7	8-12	13-18	19-24	25-31	32-38	39-46	POWER
1	3720	27.6	26.1	23.5	18.6	3.5	.6	0.0	0.0	79.4
2	3384	34.0	20.5	21.2	20.4	3.4	.5	0.0	0.0	79.5
3	3720	31.9	21.7	21.4	19.2	4.7	.9	.2	0.0	93.3
4	3599	39.6	19.3	21.7	15.0	2.7	.7	0.0	0.0	69.4
5	3720	54.8	20.0	15.9	8.5	.7	.1	0.0	0.0	33.0
6	3600	57.2	23.1	15.1	4.3	.4	0.0	0.0	0.0	21.4
7	3718	60.0	26.1	11.2	2.6	.2	0.0	0.0	0.0	15.0
8	3719	61.5	21.2	12.4	4.2	.3	.2	0.0	0.0	21.4
9	3598	51.8	23.7	16.8	7.2	.4	0.0	0.0	0.0	28.3
10	3720	56.8	20.0	13.5	8.0	1.4	.3	0.0	0.0	36.8
11	3600	45.9	21.2	16.9	13.3	2.5	.3	0.0	0.0	55.6
12	3717	40.9	22.3	16.5	16.0	3.8	.4	0.0	0.0	69.2
13	43815	46.9	22.1	17.1	11.5	2.0	.3	0.0	0.0	49.4

13850 42-67 AL SELMA,CRAIG AFB 3221 8659 WI= 71.8 SP= 67.3 SU= 29.8 FA= 39.1

MONTH	TOTAL OBS	KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	POWER
1	17286	11.5	23.6	29.9	14.3	2.9	.7	.1	0.0	0.0	0.0	74.9
2	15019	9.9	23.6	32.5	16.1	3.6	.9	.1	0.0	0.0	0.0	86.4
3	16496	8.9	20.9	33.5	17.5	4.1	.9	.1	0.0	0.0	0.0	91.1
4	15798	11.2	25.3	30.9	12.9	2.4	.5	.1	0.0	0.0	0.0	68.6
5	15793	13.3	28.2	27.5	7.9	1.1	.2	0.0	0.0	0.0	0.0	42.1
6	15370	15.9	30.2	25.7	6.0	.7	.1	0.0	0.0	0.0	0.0	34.0
7	16458	15.8	33.0	23.9	4.9	.4	.1	0.0	0.0	0.0	0.0	29.4
8	16565	16.2	32.8	21.6	3.9	.4	.1	0.0	0.0	0.0	0.0	26.1
9	15864	15.0	29.1	25.3	7.3	.9	.1	0.0	0.0	0.0	0.0	37.5
10	17225	15.9	25.3	24.6	5.7	.6	.1	0.0	0.0	0.0	0.0	31.8
11	16582	14.0	23.6	27.2	10.0	1.5	.2	0.0	0.0	0.0	0.0	48.1
12	16975	15.0	23.5	28.2	11.0	1.9	.3	0.0	0.0	0.0	0.0	54.2
13	195431	13.5	26.6	27.5	9.8	1.7	.4	0.0	0.0	0.0	0.0	51.8

13895 -0--0 AL MONTGOMERY 3218 8624 WT= 75.5 SP= 64.5 SU= 31.9 FA= 42.3

MONTH	TOTAL OBS	MPH	0-3	4-7	8-12	13-18	19-24	25-31	32-38	39-46	POWER
1	7440		27.2	24.2	29.6	16.6	3.0	.5	0.0	0.0	74.1
2	3792		22.3	23.4	30.3	19.0	4.0	.9	0.0	0.0	90.0
3	7440		23.3	22.8	30.9	18.3	4.2	.5	0.0	0.0	85.2
4	7200		28.0	25.6	27.8	14.2	3.0	.3	.1	0.0	68.9
5	7440		33.1	30.8	26.9	8.3	.7	.1	0.0	0.0	39.5
6	7200		32.5	34.4	25.9	6.5	.5	.2	0.0	0.0	35.7
7	7440		32.2	36.2	24.6	6.5	.5	.1	0.0	0.0	34.0
8	7440		37.7	35.9	21.6	4.5	.3	0.0	0.0	0.0	26.0
9	7200		32.7	31.4	26.2	9.2	.4	.1	0.0	0.0	39.4
10	7440		37.5	28.5	24.8	8.8	.4	0.0	0.0	0.0	36.3
11	7200		32.3	29.1	24.7	12.5	1.3	.2	0.0	0.0	51.2
12	7440		29.2	25.4	28.1	15.1	2.1	.2	0.0	0.0	62.3
13	87672		30.7	29.1	26.7	11.6	1.7	.3	0.0	0.0	53.8

13821 37-67 AL MONTGOMERY,MAXWELL AFB 3223 8621 WT= 57.0 SP= 49.7 SU= 21.8 FA= 31.0

MONTH	TOTAL OBS	KNOTS	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	POWER
1	22278		16.5	24.1	24.8	10.2	2.3	.5	.1	0.0	0.0	0.0	58.0
2	20290		15.6	26.8	25.7	11.5	2.7	.8	.1	0.0	0.0	0.0	67.6
3	21987		15.3	25.4	26.3	12.2	2.7	.8	.1	0.0	0.0	0.0	69.0
4	21573		17.7	26.6	22.8	9.4	2.0	.5	0.0	0.0	0.0	0.0	51.5
5	21562		20.2	27.2	19.9	4.9	.7	.1	0.0	0.0	0.0	0.0	28.5
6	20872		20.8	27.9	18.7	4.4	.4	.1	0.0	0.0	0.0	0.0	25.2
7	21569		21.0	29.5	16.9	2.9	.3	.1	0.0	0.0	0.0	0.0	20.8
8	21562		21.8	27.1	15.3	2.8	.3	.1	0.0	0.0	0.0	0.0	19.5
9	21596		20.9	28.0	20.9	4.7	.4	.1	0.0	0.0	0.0	0.0	27.0
10	22313		21.5	25.4	19.2	4.4	.6	.1	0.0	0.0	0.0	0.0	26.4
11	21594		18.8	25.0	22.0	6.8	1.4	.3	0.0	0.0	0.0	0.0	39.7
12	22302		19.0	24.2	22.8	8.2	1.6	.4	0.0	0.0	0.0	0.0	45.3
13	259487		19.1	26.4	21.3	6.9	1.3	.3	0.0	0.0	0.0	0.0	39.1

3850 55-70 AL FT RUCKER,CAIRNS AAF 3116 8543 WT= 42.0 SP= 40.5 SU= 14.4 FA= 22.9

MONTH	TOTAL OBS	KNOTS	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	POWER
1	11483		12.7	33.6	24.9	9.0	.7	.1	0.0	0.0	0.0	0.0	40.1
2	10420		11.9	33.2	26.4	10.8	1.6	.2	0.0	0.0	0.0	0.0	50.9
3	11394		11.9	33.4	26.4	12.4	1.9	.2	0.0	0.0	0.0	0.0	55.9
4	10982		12.3	32.6	27.6	9.8	.7	0.0	0.0	0.0	0.0	0.0	41.8
5	11344		16.6	37.8	20.8	4.1	.1	0.0	0.0	0.0	0.0	0.0	23.7
6	10972		18.2	35.6	16.0	2.8	.1	0.0	0.0	0.0	0.0	0.0	18.5
7	10934		21.7	32.4	10.7	1.3	.1	0.0	0.0	0.0	0.0	0.0	12.3
8	11047		22.0	31.3	10.0	1.5	.1	0.0	0.0	0.0	0.0	0.0	12.4
9	10617		19.2	34.5	15.3	2.9	.2	0.0	0.0	0.0	0.0	0.0	19.2
10	11424		19.4	36.4	17.7	3.0	.1	0.0	0.0	0.0	0.0	0.0	19.7
11	11775		18.1	35.6	19.5	6.0	.4	.1	0.0	0.0	0.0	0.0	29.7
12	12139		14.3	33.1	23.5	7.5	.7	0.0	0.0	0.0	0.0	0.0	35.0
13	134526		16.6	34.2	20.0	5.9	.6	.1	0.0	0.0	0.0	0.0	30.7

13885 -0--0 AL EVERGREEN 3125 8702 WT= 62.4 SP= 54.8 SU= 17.7 FA= 28.3

MONTH	TOTAL OBS	KNOTS	0-7	8-12	13-24	25-27	POWER
1	3720		57.1	25.0	7.8	.1	66.0
2	3384		64.9	26.5	8.5	0.0	69.5
3	3720		66.0	23.5	10.3	.1	78.0
4	3600		70.6	22.7	6.7	0.0	57.0
5	3720		79.9	17.8	2.2	0.0	29.4
6	3600		87.1	12.1	.9	0.0	18.0
7	3720		87.8	11.3	.9	0.0	17.4
8	3720		89.3	9.8	.9	.1	17.5
9	3600		84.6	14.1	1.3	0.0	21.7
10	3720		83.9	14.3	1.8	0.0	24.5
11	3600		78.9	17.0	4.1	0.0	38.7
12	3720		71.5	22.7	5.7	0.0	51.7
13	43824		77.7	18.0	4.2	0.0	40.1

13838 43-67 AL MOBILE,BROOKLEY AFB 3034 8804 WT= 99.7 SP= 114.1 SU= 47.8 FA= 64.5

MONTH	TOTAL OBS	KNOTS	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	POWER
1	18379		10.9	22.7	33.4	19.2	4.9	1.1	.2	0.0	0.0	0.0	105.4
2	16740		10.3	21.7	36.8	19.8	4.6	1.1	.1	0.0	0.0	0.0	104.1
3	18381		8.8	20.3	35.5	21.4	6.1	1.8	.3	0.0	0.0	0.0	128.5
4	17789		9.7	22.0	37.9	20.2	5.1	1.5	.2	.1	0.0	0.0	119.5
5	18382		11.1	24.2	35.2	17.1	4.4	.9	.1	0.0	0.0	0.0	94.4
6	17785		14.5	28.6	34.1	10.9	1.9	.4	0.0	0.0	0.0	0.0	58.8
7	18951		16.7	31.7	30.5	7.6	1.1	.2	0.0	0.0	0.0	0.0	43.2
8	18897		17.4	32.1	31.4	7.2	.8	.2	0.0	0.0	0.0	0.0	41.4
9	18299		13.2	28.4	35.7	11.5	2.1	.5	.1	.1	0.0	0.0	69.6
10	18905		14.2	31.1	35.1	10.0	1.3	.2	0.0	0.0	0.0	0.0	51.8
11	17578		13.5	26.7	34.3	14.4	3.0	.4	0.0	0.0	0.0	0.0	72.2
12	18382		12.8	25.1	33.0	15.1	3.9	1.0	.1	0.0	0.0	0.0	89.7
13	218477		12.7	26.2	34.2	14.5	3.2	.8	.1	0.0	0.0	0.0	80.7

25308 42-70 AK ANNETTE IS 5502 13134 WT= 301.6 SP= 175.4 SU= 82.1 FA= 250.2

MONTH	TOTAL OBS	KNOTS	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	POWER
1	18573		8.1	16.5	23.3	21.9	12.2	8.0	2.4	.7	.1	0.0	320.6
2	16938		9.0	18.4	25.4	22.1	11.1	6.9	1.7	.2	.1	0.0	264.7
3	18552		9.1	20.7	28.1	21.1	9.5	4.9	1.4	.2	0.0	0.0	215.3
4	17867		8.1	20.4	31.2	21.5	9.3	4.1	1.0	.2	.1	0.0	199.8
5	18582		10.1	25.3	36.3	17.3	4.2	1.5	.3	.1	0.0	0.0	118.2
6	17988		10.5	25.4	35.5	16.8	3.6	1.5	.1	0.0	0.0	0.0	97.4
7	18587		12.2	29.3	34.8	14.4	2.6	.5	0.0	0.0	0.0	0.0	71.5
8	18578		11.3	27.5	34.8	14.4	3.0	.6	.1	0.0	0.0	0.0	77.3
9	17992		12.0	26.0	30.9	17.5	5.6	2.6	.4	0.0	0.0	0.0	128.1
10	18582		7.7	17.6	26.0	22.5	11.3	6.7	2.4	.6	.1	0.0	297.9
11	17990		7.7	16.7	22.2	23.8	13.8	8.0	2.4	.5	.1	0.0	324.6
12	18592		8.5	15.6	22.5	22.5	13.8	7.8	2.1	.8	.1	0.0	319.6
13	218820		9.5	21.4	29.3	19.6	8.1	4.4	1.2	.3	0.0	0.0	199.2

352 -0--0, AK KETCHIKAN 5521 13139 WI= 62.7 SP= 47.4 SU= 39.9 FA= 62.4

MONTH	TOTAL OBS	MPH	4-15	16-31	32-47	POWER
1	851		52.0	5.0	0.0	59.9
2	788		53.0	4.0	0.0	53.3
3	915		61.0	2.0	0.0	42.8
4	891		66.0	3.0	0.0	52.3
5	733		70.0	2.0	0.0	47.0
6	714		64.0	1.0	0.0	37.1
7	783		57.0	1.0	0.0	38.5
8	823		64.0	2.0	0.0	44.2
9	875		63.0	2.0	0.0	43.8
10	954		69.0	5.0	0.0	67.9
11	770		55.0	7.0	0.0	75.5
12	854		54.0	7.0	0.0	75.0
13	9952		61.0	4.0	0.0	57.0

25317 -0--0 AK CRAIG 5529 13309 WI= 170.0 SP= 127.3 SU= 74.1 FA= 158.0

MONTH	TOTAL OBS	MPH	0-3	4-7	8-12	13-18	19-24	25-31	32-38	39-46	POWER
1	1893		17.5	23.5	33.5	14.4	6.1	2.4	.8	1.3	185.2
2	1901		17.3	21.5	35.1	15.6	5.7	3.6	1.0	.2	159.1
3	2056		17.3	22.0	35.1	16.4	4.8	2.4	1.2	.7	167.1
4	1966		15.3	25.1	39.0	13.5	3.3	2.7	.8	.3	132.9
5	2047		18.0	29.1	37.5	11.7	1.9	1.1	.3	.1	82.0
6	2106		16.9	29.8	37.1	10.7	3.1	2.0	.4	0.0	95.1
7	2092		19.6	33.5	33.2	10.7	1.8	1.0	.1	.1	71.4
8	2020		23.4	36.5	30.5	7.2	1.7	.4	.3	0.0	55.8
9	1900		22.2	28.4	34.2	10.4	2.5	1.0	.3	.9	113.0
10	1959		21.7	23.9	27.8	16.4	5.1	2.5	1.0	1.3	186.7
11	1930		17.0	22.9	37.6	16.2	6.3	2.3	.8	.9	174.2
12	1932		17.5	23.3	39.6	13.8	5.3	2.7	.8	.8	165.6
13	23792		18.0	26.7	35.1	13.1	3.9	2.0	.6	.5	128.7

960 -0--0 AK PETERSBURG 5649 13257 WI= 29.2 SP= 37.0 SU= 22.7 FA= 25.1

MONTH	TOTAL OBS	MPH	4-15	16-31	32-47	POWER
1	836		26.0	2.0	0.0	26.4
2	671		40.0	3.0	0.0	40.1
3	751		50.0	2.0	0.0	37.7
4	822		58.0	2.0	0.0	41.4
5	369		53.0	1.0	0.0	32.0
6	363		50.0	0.0	0.0	23.5
7	266		47.0	0.0	0.0	22.0
8	305		48.0	0.0	0.0	22.5
9	607		36.0	1.0	0.0	24.0
10	739		32.0	2.0	0.0	29.2
11	677		32.0	1.0	0.0	22.1
12	759		30.0	1.0	0.0	21.2
13	7265		40.0	2.0	0.0	33.0

961 -0--0 AK SITKA 5703 13520 WI= 76.5 SP= 35.0 SU= 19.9 FA= 41.8

MONTH	TOTAL OBS	MPH	4-15	16-31	32-47	POWER
1	737		40.0	8.0	1.0	109.3
2	676		26.0	2.0	0.0	25.4
3	779		29.0	3.0	0.0	34.9
4	787		46.0	3.0	0.0	42.9
5	624		43.0	1.0	0.0	27.3
6	613		35.0	1.0	0.0	23.5
7	645		32.0	1.0	0.0	22.1
8	699		30.0	0.0	0.0	14.1
9	653		29.0	3.0	0.0	34.9
10	617		34.0	4.0	0.0	44.4
11	447		38.0	4.0	0.0	46.2
12	434		37.0	6.0	1.0	93.7
13	7711		35.0	3.0	0.0	37.7

25309 49-70 AK JUNEAU APT 5822 13435 WI= 137.6 SP= 115.4 SU= 66.1 FA= 145.3

MONTH	TOTAL OBS	KNOTS	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	POWER
1	13383		18.1	21.0	17.4	17.2	6.4	2.2	.4	0.0	0.0	0.0	119.8
2	12195		17.8	19.3	19.0	18.8	6.3	2.7	.5	0.0	0.0	0.0	134.0
3	13388		16.8	21.9	20.6	19.3	5.9	2.4	.3	0.0	0.0	0.0	123.0
4	12958		14.7	21.3	23.9	19.2	6.4	2.2	.4	0.0	0.0	0.0	127.2
5	13378		14.4	24.7	26.7	16.7	4.9	1.2	.1	0.0	0.0	0.0	95.9
6	12923		13.4	31.7	31.2	13.4	3.0	.5	0.0	0.0	0.0	0.0	70.3
7	14128		13.8	35.5	31.2	11.9	2.0	.4	0.0	0.0	0.0	0.0	60.6
8	14122		16.8	34.1	25.3	13.3	2.8	.6	0.0	0.0	0.0	0.0	67.4
9	13670		18.5	24.2	20.9	16.1	4.9	1.8	.3	.1	0.0	0.0	104.0
10	14129		15.8	17.0	19.9	19.8	7.9	3.8	.9	.1	0.0	0.0	170.3
11	13677		16.5	16.6	18.2	20.2	8.0	3.3	.6	.1	0.0	0.0	157.5
12	14128		15.8	18.7	20.0	21.5	7.5	3.0	.6	.2	0.0	0.0	159.0
13	162079		16.0	23.9	22.9	17.3	5.5	2.0	.4	0.0	0.0	0.0	115.5

955 -0--0 AK HAINES 5914 13526 WI= 193.2 SP= 142.0 SU= 69.9 FA= 157.2

MONTH	TOTAL OBS	MPH	4-15	16-31	32-47	POWER
1	665		56.0	27.0	0.0	218.0
2	603		68.0	24.0	0.0	202.3
3	668		59.0	20.0	1.0	203.4
4	729		59.0	17.0	0.0	148.4
5	274		52.0	7.0	0.0	74.1
6	275		40.0	6.0	0.0	61.4
7	310		34.0	11.0	0.0	94.1
8	328		40.0	5.0	0.0	54.3
9	330		48.0	7.0	0.0	72.2
10	635		59.0	14.0	1.0	160.8
11	630		58.0	25.0	1.0	238.5
12	665		52.0	19.0	0.0	159.3
13	6112		55.0	17.0	0.0	146.5

25339 -0--0 AK YAKUTAT APT 5931 13940 WI= 163.9 SP= 102.0 SU= 63.9 FA= 153.4

MONTH	TOTAL OBS	KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	POWER
1	18825	9.8	20.0	22.0	14.9	5.5	3.5	1.3	.5	.1	0.0	177.7
2	17167	9.9	20.6	22.4	15.3	5.2	3.0	1.0	.2	0.0	0.0	144.0
3	18819	11.5	20.9	23.5	15.3	4.9	2.0	.5	.1	0.0	0.0	114.5
4	18201	12.2	22.9	25.8	13.7	3.2	1.5	.5	.2	0.0	0.0	100.9
5	18886	11.8	23.4	29.8	14.4	2.8	1.1	.4	.1	0.0	0.0	90.7
6	18436	12.0	25.7	30.8	13.9	2.1	.6	.2	0.0	0.0	0.0	71.3
7	19086	14.2	25.7	29.5	12.6	1.5	.3	0.0	0.0	0.0	0.0	56.1
8	18840	15.0	24.7	27.6	11.3	2.1	.8	.1	0.0	0.0	0.0	64.3
9	18472	13.3	23.9	25.6	12.8	3.3	1.4	.4	.2	0.0	0.0	96.1
10	19257	10.7	21.4	26.4	16.1	5.3	2.9	1.0	.4	.2	.1	181.2
11	18695	10.2	21.0	26.1	15.3	5.3	2.7	1.2	.6	.1	.1	183.0
12	19333	9.7	19.7	25.7	17.4	6.4	2.8	1.0	.4	.1	0.0	169.9
13	224017	11.7	22.5	26.3	14.4	4.0	1.9	.6	.2	0.0	0.0	114.5

25403 45-63 AK MIDDLETON IS AFS 5927 14619 WI= 610.6 SP= 354.1 SU= 124.1 FA= 450.3

MONTH	TOTAL OBS	KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	POWER
1	13014	3.0	10.1	18.9	25.0	16.4	12.5	6.1	2.5	.6	.2	625.7
2	12408	2.9	9.9	19.2	26.6	15.7	13.3	5.5	2.4	.5	.1	597.9
3	13901	4.7	12.3	22.2	26.9	13.9	9.1	3.6	1.8	.5	.1	460.0
4	13409	4.4	14.8	25.8	28.2	10.8	6.7	2.5	1.1	.3	.1	355.6
5	13947	6.4	20.2	29.0	24.2	8.5	4.5	1.5	.6	.1	0.0	238.8
6	13309	7.6	23.5	31.1	22.6	6.0	2.3	.4	.1	0.0	0.0	141.3
7	13213	10.6	26.6	32.4	17.9	3.4	1.1	.3	0.0	0.0	0.0	96.4
8	12965	9.6	24.7	32.2	18.7	5.2	2.2	.5	.2	0.0	0.0	134.7
9	12558	6.3	19.4	28.6	25.4	9.1	4.9	1.6	.4	.1	0.0	243.3
10	13014	3.5	12.4	23.2	28.3	12.6	8.4	4.2	2.1	.7	.3	519.3
11	11800	3.2	9.2	20.7	28.0	16.1	11.2	4.8	2.6	.6	.2	588.4
12	12015	2.9	8.7	19.8	28.2	17.3	11.5	5.2	2.6	.6	.2	688.3
13	155553	5.5	16.1	25.4	24.9	11.1	7.2	3.0	1.3	.3	.1	376.9

26410 46-70 AK CORDOVA,MILE 13 APT 6430 14530 WI= 47.7 SP= 40.4 SU= 19.9 FA= 44.4

MONTH	TOTAL OBS	KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	POWER
1	15518	13.4	17.0	15.4	9.7	1.6	.4	.1	0.0	0.0	0.0	46.2
2	14143	13.3	18.4	17.5	10.8	1.8	.4	0.0	0.0	0.0	0.0	48.4
3	15527	12.6	22.0	19.1	9.5	1.2	.3	0.0	0.0	0.0	0.0	42.3
4	15034	13.2	24.2	21.9	9.3	1.1	.2	0.0	0.0	0.0	0.0	41.7
5	15563	13.8	25.6	22.7	8.5	.7	.1	0.0	0.0	0.0	0.0	37.1
6	14925	16.1	29.5	19.7	4.5	.2	0.0	0.0	0.0	0.0	0.0	23.7
7	15448	18.0	29.2	15.5	3.1	.1	0.0	0.0	0.0	0.0	0.0	18.1
8	15278	18.6	28.0	14.9	2.9	.2	0.0	0.0	0.0	0.0	0.0	17.8
9	14785	17.3	25.6	19.1	7.0	.7	.1	0.0	0.0	0.0	0.0	32.2
10	15279	14.0	23.5	20.3	10.5	1.8	.5	.1	0.0	0.0	0.0	53.4
11	14775	13.5	20.1	17.7	10.0	1.7	.3	.1	0.0	0.0	0.0	47.6
12	15261	12.9	18.9	18.1	10.3	1.5	.4	.1	0.0	0.0	0.0	48.4
13	181536	14.7	23.5	19.5	8.0	1.0	.2	0.0	0.0	0.0	0.0	36.7

26442 -0--0 AK VALDEZ 6107 14616 WI= 91.2 SP= 51.1 SU= 12.7 FA= 51.1

MONTH	TOTAL OBS	MPH 0-3	4-7	8-12	13-18	19-24	25-31	32-38	39-46	POWER
1	1366	67.1	12.5	8.9	7.1	2.7	.7	.7	.3	72.7
2	1263	64.6	15.5	12.8	5.6	1.5	0.0	0.0	0.0	28.1
3	1283	58.8	12.0	15.8	7.6	3.8	1.7	.2	.1	75.3
4	1211	64.3	17.9	8.9	5.2	3.2	.4	.1	0.0	41.8
5	1220	41.6	32.0	18.1	6.8	1.3	.2	0.0	0.0	36.2
6	1211	48.0	32.8	17.2	2.0	0.0	0.0	0.0	0.0	16.6
7	1263	60.2	28.1	9.6	1.8	.2	.1	0.0	0.0	13.9
8	1249	73.1	21.7	3.5	1.7	0.0	0.0	0.0	0.0	7.5
9	1144	76.8	17.9	3.9	1.1	.3	0.0	0.0	0.0	7.8
10	1271	55.6	21.8	11.4	9.2	1.4	.3	.3	0.0	45.3
11	1303	47.1	18.6	15.3	10.4	5.6	2.8	.2	0.0	100.1
12	1351	56.0	15.6	9.4	6.9	5.4	4.3	1.6	.8	172.9
13	15135	59.3	20.4	11.3	5.5	2.2	.9	.3	.1	53.4

26451 -0--0 AK ANCHORAGE IAP 6110 15001 WI= 69.0 SP= 72.8 SU= 63.7 FA= 40.9

MONTH	TOTAL OBS	MPH 1-3	4-12	13-24	25-31	32-46	POWER
1	3720	18.8	44.0	8.3	.7	.4	61.7
2	3384	12.1	48.5	14.5	1.5	.4	95.2
3	3728	11.8	61.2	8.5	.1	0.0	48.2
4	3600	11.3	64.2	10.5	.5	0.0	61.7
5	3720	7.6	56.9	25.9	.2	0.0	108.5
6	2880	7.9	64.1	16.5	.1	0.0	76.7
7	2976	9.9	61.4	12.5	.1	0.0	61.8
8	2976	11.8	56.0	9.2	.4	0.0	52.6
9	2880	13.3	49.0	8.9	.1	0.0	46.1
10	2976	16.2	51.7	6.6	.1	0.0	38.3
11	3600	17.8	49.9	6.2	.2	0.0	38.4
12	3720	20.1	40.9	6.6	.4	.3	50.1
13	40152	13.4	53.8	11.2	.4	.1	61.2

26409 -0--0 AK ANCHORAGE,MERRILL FLD 6113 14950 WI= 49.0 SP= 33.0 SU= 28.5 FA= 40.3

MONTH	TOTAL OBS	MPH 1-3	4-12	13-24	25-31	32-46	POWER
1	3719	39.7	44.3	5.6	.9	.5	57.7
2	3383	44.1	39.9	6.5	1.6	.4	66.0
3	3718	42.0	46.4	4.4	.1	0.0	29.9
4	3600	37.6	51.6	3.8	0.0	0.0	27.9
5	3720	28.3	59.1	6.9	.1	0.0	41.1
6	3600	27.8	57.6	6.5	.1	0.0	40.2
7	3718	36.4	53.4	2.3	0.0	0.0	23.1
8	3720	40.7	46.9	2.6	0.0	0.0	22.3
9	3598	41.7	43.5	4.6	.2	0.0	30.6
10	3720	37.9	45.5	4.6	.1	0.0	30.9
11	3598	38.2	44.5	6.3	.9	.4	59.5
12	3720	43.3	47.0	2.8	0.0	0.0	23.4
13	43814	38.1	48.4	4.7	.3	.1	37.5

26401 42-68 AK ANCHORAGE,ELMENDORFF AFB 6115 14948 WI= 46.8 SP= 44.1 SU= 27.0 FA= 34.6

MONTH	TOTAL OBS	KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	POWER
1	17825	27.0	28.2	12.6	4.2	1.3	.8	.3	.1	0.0	0.0	46.8
2	16257	29.1	26.2	13.4	4.9	1.9	1.3	.4	.1	0.0	0.0	60.4
3	18368	25.1	26.1	16.6	7.0	1.9	.9	.1	0.0	0.0	0.0	50.1
4	18378	23.9	28.5	19.3	6.1	1.0	.3	.1	.1	0.0	0.0	41.6
5	19101	21.6	27.3	25.8	8.2	.9	.2	0.0	0.0	0.0	0.0	40.7
6	18705	22.7	30.1	23.5	6.8	.6	.1	0.0	0.0	0.0	0.0	34.0
7	19318	24.5	30.3	20.0	4.2	.4	0.0	0.0	0.0	0.0	0.0	24.5
8	19326	26.5	28.1	15.4	3.6	.5	.1	0.0	0.0	0.0	0.0	22.5
9	18700	26.1	25.2	14.3	4.1	.9	.2	0.0	0.0	0.0	0.0	26.2
10	19070	25.5	27.7	15.7	5.0	1.0	.3	0.0	0.0	0.0	0.0	30.8
11	17260	28.5	25.1	14.9	5.3	1.6	.6	.2	.1	0.0	0.0	46.9
12	17821	29.5	26.7	13.0	4.2	1.1	.5	.1	0.0	0.0	0.0	33.1
13	220129	25.8	27.5	17.1	5.3	1.1	.4	.1	0.0	0.0	0.0	36.3

26523 49-67 AK KENAI APT 6034 15115 WI= 95.5 SP= 74.1 SU= 58.0 FA= 74.0

MONTH	TOTAL OBS	KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	POWER
1	12634	13.7	28.5	17.1	16.4	4.1	1.3	.3	.1	0.0	0.0	96.3
2	11517	12.0	30.5	19.7	15.8	4.7	1.9	.4	.1	0.0	0.0	109.8
3	12647	9.6	30.9	25.1	15.5	4.5	1.3	.2	0.0	0.0	0.0	94.5
4	12235	9.2	29.7	30.3	14.3	2.1	.5	0.0	0.0	0.0	0.0	66.3
5	12648	9.1	28.1	35.1	15.2	1.4	.1	0.0	0.0	0.0	0.0	61.5
6	12235	8.1	26.9	37.5	16.8	.9	.1	0.0	0.0	0.0	0.0	63.0
7	12647	7.9	28.7	34.7	14.8	.9	0.0	0.0	0.0	0.0	0.0	56.4
8	13143	10.0	30.5	28.6	12.5	1.5	.2	0.0	0.0	0.0	0.0	54.7
9	12715	12.4	32.6	24.4	10.6	1.6	.5	0.0	0.0	0.0	0.0	53.1
10	13142	11.2	31.4	21.5	15.4	3.6	1.0	.2	0.0	0.0	0.0	83.7
11	12716	11.7	32.3	20.9	14.0	4.0	1.2	.2	0.0	0.0	0.0	85.3
12	13113	13.5	30.9	17.1	13.4	3.7	1.2	.2	0.0	0.0	0.0	80.3
13	151392	10.7	30.1	26.0	14.5	2.7	.8	.1	0.0	0.0	0.0	74.0

26412 45-70 AK NORTHWAY APT 6257 14156 WI= 18.1 SP= 38.5 SU= 36.0 FA= 22.8

MONTH	TOTAL OBS	KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	POWER
1	15992	19.2	9.4	5.1	2.9	.7	.2	0.0	0.0	0.0	0.0	16.2
2	14597	17.2	13.4	7.5	4.0	1.0	.2	0.0	0.0	0.0	0.0	21.8
3	16049	17.6	19.0	16.5	6.5	.9	.1	0.0	0.0	0.0	0.0	30.3
4	15596	16.0	25.6	23.8	8.9	1.3	.3	0.0	0.0	0.0	0.0	44.4
5	16067	13.8	27.2	28.5	9.9	.5	0.0	0.0	0.0	0.0	0.0	40.8
6	15441	15.0	28.9	29.3	9.3	.7	.1	0.0	0.0	0.0	0.0	42.5
7	15956	18.1	32.5	25.3	7.0	.4	0.0	0.0	0.0	0.0	0.0	33.2
8	15303	16.6	30.9	24.7	6.5	.5	0.0	0.0	0.0	0.0	0.0	32.2
9	14813	18.2	28.9	21.5	5.5	.3	0.0	0.0	0.0	0.0	0.0	27.2
10	15821	17.9	23.6	15.6	4.8	.4	0.0	0.0	0.0	0.0	0.0	22.7
11	15525	16.1	14.3	7.3	3.2	.7	.2	0.0	0.0	0.0	0.0	18.4
12	16045	16.8	9.8	4.8	2.5	.5	.2	.1	0.0	0.0	0.0	16.4
13	187205	16.9	21.9	17.5	5.9	.7	.1	0.0	0.0	0.0	0.0	28.7

26425 -0--0 AK GULKANA 6209 14527 WI= 58.3 SP= 100.6 SU= 94.1 FA= 73.5

MONTH	TOTAL OBS	KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	POWER
1	16356	22.1	19.7	6.9	5.1	2.2	1.0	.2	0.0	0.0	0.0	45.8
2	14903	20.5	23.3	8.7	6.4	3.8	2.1	.7	.1	0.0	0.0	88.6
3	16349	17.6	27.4	14.2	9.0	4.3	1.8	.4	0.0	0.0	0.0	85.0
4	15799	15.3	26.6	20.4	13.6	5.2	1.7	.4	.1	0.0	0.0	105.7
5	16371	14.8	25.1	23.9	16.5	6.4	1.7	.2	0.0	0.0	0.0	111.2
6	15824	13.1	27.6	26.2	16.9	5.2	1.2	.1	0.0	0.0	0.0	98.0
7	16345	15.3	29.0	26.0	14.9	4.3	.8	.1	0.0	0.0	0.0	83.9
8	16352	16.0	26.5	22.9	15.5	5.6	1.4	.2	0.0	0.0	0.0	100.5
9	15809	18.9	27.9	18.1	13.9	4.9	1.6	.3	0.0	0.0	0.0	95.7
10	16360	19.2	28.0	15.9	10.6	3.9	1.3	.2	0.0	0.0	0.0	76.1
11	15828	23.9	22.2	9.5	6.9	2.2	.8	.2	0.0	0.0	0.0	48.7
12	16350	23.7	17.9	6.6	4.7	1.9	.8	.2	0.0	0.0	0.0	40.5
13	192596	18.3	25.1	16.6	11.2	4.2	1.3	.3	0.0	0.0	0.0	81.4

26415 49-69 AK BIG DELTA 6400 14544 WI= 367.8 SP= 178.7 SU= 85.3 FA= 224.6

MONTH	TOTAL OBS	KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	POWER
1	13142	10.4	19.5	11.5	13.5	12.6	8.6	4.3	2.0	.5	.1	447.2
2	11971	11.1	20.3	15.1	13.5	10.3	7.4	3.0	1.0	.3	0.0	322.4
3	13128	11.7	25.3	18.7	12.7	7.7	4.3	1.9	.8	.2	.1	239.9
4	12471	10.1	29.5	27.1	12.2	4.9	3.1	1.0	.2	.1	0.0	147.6
5	12881	10.9	31.9	27.2	11.9	5.0	3.2	1.1	.3	0.0	0.0	148.5
6	12471	10.6	39.4	28.2	8.6	2.2	1.1	.6	.2	0.0	0.0	85.1
7	12890	12.2	40.3	24.5	6.0	2.3	1.2	.3	.1	0.0	0.0	68.4
8	12888	13.0	38.1	22.2	7.5	3.6	1.9	.8	.2	0.0	0.0	102.3
9	12474	11.5	32.3	19.9	10.7	5.7	2.9	1.3	.5	.1	0.0	163.0
10	12883	10.5	27.0	17.0	13.6	8.0	4.1	1.4	.8	.1	0.0	209.9
11	12472	9.6	21.4	12.5	15.3	12.1	6.5	2.8	.9	.1	0.0	300.9
12	12894	10.0	19.8	13.1	12.5	10.9	6.5	3.1	1.2	.3	.1	333.9
13	152565	11.0	28.7	19.7	11.5	7.1	4.2	1.8	.7	.2	0.0	215.6

26411 49-70 AK FAIRBANKS TAP 6449 14752 WI= 12.5 SP= 37.7 SU= 36.0 FA= 21.3

MONTH	TOTAL OBS	KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	POWER
1	13382	28.1	20.5	6.0	1.5	.1	.1	0.0	0.0	0.0	0.0	10.3
2	12189	29.0	26.4	9.6	2.4	.5	.1	0.0	0.0	0.0	0.0	16.9
3	13379	26.4	30.1	14.5	4.5	.7	.1	0.0	0.0	0.0	0.0	25.2
4	12954	20.7	30.3	24.9	8.7	.5	.1	0.0	0.0	0.0	0.0	37.6
5	13379	17.8	30.9	29.3	12.2	1.0	.1	0.0	0.0	0.0	0.0	50.4
6	12953	19.7	33.6	26.0	9.7	.9	.2	0.0	0.0	0.0	0.0	44.5
7	14112	23.5	35.3	22.6	7.5	.5	0.0	0.0	0.0	0.0	0.0	33.7
8	13883	25.5	36.4	20.1	5.6	.5	.1	0.0	0.0	0.0	0.0	29.9
9	13424	25.5	35.1	21.8	5.1	.3	.1	0.0	0.0	0.0	0.0	28.4
10	13880	25.5	35.7	18.7	3.1	.2	.1	0.0	0.0	0.0	0.0	22.2
11	13432	32.0	28.1	9.5	1.4	.2	.1	0.0	0.0	0.0	0.0	13.3
12	13850	33.0	19.9	5.5	1.3	.2	.1	0.0	0.0	0.0	0.0	10.2
13	160817	25.6	30.2	17.3	5.3	.5	.1	0.0	0.0	0.0	0.0	27.2

26403 43-50 AK FAIRBANKS,LAND AFB 6451 14735 WI= 12.5 SP= 30.4 SU= 29.7 FA= 20.1

MONTH	TOTAL OBS	KNOTS	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	POWER
1	13384		22.7	11.0	5.7	1.6	.3	.1	0.0	0.0	0.0	0.0	10.5
2	12876		24.4	14.6	8.9	2.5	.6	.2	0.0	0.0	0.0	0.0	17.8
3	14120		27.6	19.3	13.7	4.6	.5	.2	0.0	0.0	0.0	0.0	24.0
4	13660		27.5	25.7	19.7	5.7	.5	.1	0.0	0.0	0.0	0.0	28.8
5	14132		23.7	28.5	22.9	8.0	1.0	.1	0.0	0.0	0.0	0.0	38.3
6	13668		23.1	28.0	20.3	6.8	1.0	.2	0.0	0.0	0.0	0.0	35.6
7	13873		28.3	25.5	17.0	4.8	.4	0.0	0.0	0.0	0.0	0.0	23.7
8	13372		27.2	25.1	16.2	5.4	.9	.2	0.0	0.0	0.0	0.0	29.8
9	12954		25.2	24.5	17.0	4.3	.3	.1	0.0	0.0	0.0	0.0	23.2
10	14129		25.6	20.4	15.3	4.7	.6	.1	0.0	0.0	0.0	0.0	24.5
11	12923		23.6	13.9	8.7	2.3	.3	0.0	0.0	0.0	0.0	0.0	12.5
12	13376		20.2	9.0	4.8	1.0	.4	.1	0.0	0.0	0.0	0.0	9.1
13	162476		24.9	20.5	14.4	4.3	.6	.1	0.0	0.0	0.0	0.0	23.2

26413 49-63 AK FT YUKON APT 6634 14516 WI= 34.7 SP= 78.8 SU= 84.2 FA= 52.6

MONTH	TOTAL OBS	KNOTS	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	POWER
1	4578		23.2	27.8	12.5	5.2	1.3	.3	0.0	0.0	0.0	0.0	30.9
2	4556		21.2	31.1	16.6	7.4	1.3	.6	0.0	0.0	0.0	0.0	41.9
3	5144		11.6	38.2	27.6	11.6	2.8	.5	0.0	0.0	0.0	0.0	64.2
4	5042		7.2	30.3	33.2	17.2	3.1	.4	0.0	0.0	0.0	0.0	81.3
5	5299		6.2	25.3	41.5	20.8	3.6	.3	0.0	0.0	0.0	0.0	91.0
6	5217		6.1	20.3	40.5	17.9	3.1	.5	0.0	0.0	0.0	0.0	84.7
7	5763		11.3	29.8	34.4	18.2	3.9	.5	0.0	0.0	0.0	0.0	86.7
8	5692		9.4	32.4	34.5	17.3	3.2	.3	.1	0.0	0.0	0.0	81.1
9	5391		10.1	31.9	37.4	15.7	2.3	.5	0.0	0.0	0.0	0.0	74.2
10	4755		14.8	35.6	32.0	11.8	1.1	.1	0.0	0.0	0.0	0.0	52.0
11	4147		21.5	29.0	16.9	6.5	.9	.1	0.0	0.0	0.0	0.0	31.6
12	3995		19.3	20.7	13.9	4.9	.7	.1	.1	.1	0.0	0.0	31.3
13	59580		13.0	30.1	29.8	13.4	2.4	.4	0.0	0.0	0.0	0.0	64.7

26435 49-67 AK NENANA APT 6433 14905 WI= 52.1 SP= 47.1 SU= 29.5 FA= 40.5

MONTH	TOTAL OBS	KNOTS	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	POWER
1	12618		10.8	19.4	18.5	13.9	2.1	1.1	.1	0.0	0.0	0.0	68.1
2	11512		11.3	23.5	19.3	10.8	1.2	.2	0.0	0.0	0.0	0.0	44.0
3	12612		9.8	23.5	23.6	11.8	1.1	.3	0.0	0.0	0.0	0.0	48.9
4	12232		9.3	26.4	32.1	11.3	.5	0.0	0.0	0.0	0.0	0.0	45.4
5	12645		9.9	26.4	30.4	12.2	.6	0.0	0.0	0.0	0.0	0.0	46.9
6	12237		11.5	30.1	26.9	7.0	.2	0.0	0.0	0.0	0.0	0.0	34.4
7	12645		13.2	30.1	24.3	5.4	.1	0.0	0.0	0.0	0.0	0.0	27.4
8	12642		13.0	23.0	23.7	5.3	.1	0.0	0.0	0.0	0.0	0.0	26.7
9	12236		10.8	29.1	26.5	7.7	.2	0.0	0.0	0.0	0.0	0.0	33.7
10	12643		10.3	28.3	24.4	10.3	.8	.1	0.0	0.0	0.0	0.0	42.5
11	12238		10.6	24.3	19.2	10.8	1.2	.3	0.0	0.0	0.0	0.0	45.2
12	12643		11.0	21.0	16.0	9.9	1.3	.3	.1	0.0	0.0	0.0	44.3
13	148903		11.0	25.9	23.7	9.8	.8	.2	0.0	0.0	0.0	0.0	42.1

567 -0--0 AK MANLEY HOT SPRINGS 6500 15039 WI= 60.8 SP= 95.6 SU= 62.0 FA= 76.7

MONTH	TOTAL OBS	MPH	4-15	16-31	32-47	POWER
1	566		41.0	8.0	0.0	76.0
2	596		25.0	6.0	0.0	54.3
3	647		43.0	9.0	0.0	94.1
4	539		55.0	7.0	1.0	109.2
5	501		67.0	4.0	1.0	93.6
6	508		58.0	4.0	1.0	89.3
7	516		54.0	4.0	0.0	53.7
8	479		46.0	3.0	0.0	42.9
9	496		44.0	6.0	0.0	63.2
10	588		45.0	7.0	1.0	104.5
11	566		27.0	7.0	0.0	62.4
12	433		20.0	6.0	0.0	52.0
13	6589		43.0	6.0	0.0	62.8

976 -0--0 AK TANANA 6510 15206 WI= 66.0 SP= 76.4 SU= 43.4 FA= 57.0

MONTH	TOTAL OBS	MPH	4-15	16-31	32-47	POWER
1	759		53.0	1.0	0.0	32.0
2	831		61.0	8.0	0.0	85.4
3	925		69.0	8.0	0.0	89.2
4	916		72.0	7.0	0.0	83.5
5	569		75.0	3.0	0.0	56.5
6	563		84.0	2.0	0.0	53.6
7	576		71.0	2.0	0.0	47.5
8	596		62.0	0.0	0.0	29.1
9	593		62.0	3.0	0.0	50.4
10	658		61.0	5.0	0.0	64.1
11	545		60.0	4.0	0.0	56.5
12	580		51.0	8.0	0.0	80.7
13	8111		65.0	6.0	0.0	73.1

508 -0--0 AK RUBY 6444 15526 WI= 82.0 SP= 81.4 SU= 47.1 FA= 86.4

MONTH	TOTAL OBS	MPH	4-15	16-31	32-47	POWER
1	953		64.0	4.0	0.0	58.4
2	856		57.0	15.0	0.0	133.3
3	1091		58.0	13.0	0.0	119.5
4	1241		74.0	7.0	0.0	84.4
5	656		71.0	1.0	0.0	40.4
6	675		65.0	3.0	0.0	51.8
7	932		69.0	2.0	0.0	46.6
8	903		61.0	2.0	0.0	47.8
9	864		61.0	5.0	0.0	64.1
10	916		56.0	7.0	0.0	76.0
11	815		57.0	13.0	0.0	119.1
12	909		55.0	4.0	0.0	54.2
13	10811		62.0	7.0	0.0	78.8

26501 43-70 AK GALENA APT 6444 15656 WI= 98.4 SP= 69.3 SU= 94.6 FA= 80.3

MONTH	TOTAL OBS	KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	POWER
1	20221	16.6	15.3	13.0	8.5	2.6	.9	.2	0.0	0.0	0.0	56.5
2	18936	16.6	19.9	17.6	9.2	2.9	1.1	.2	.1	0.0	0.0	69.2
3	20799	15.7	20.6	23.4	10.0	2.8	.9	.2	0.0	0.0	0.0	86.7
4	20149	14.4	23.9	28.2	12.4	2.7	1.2	.2	0.0	0.0	0.0	77.6
5	20810	16.4	25.7	29.5	11.1	1.5	.2	0.0	0.0	0.0	0.0	51.0
6	19411	16.1	26.3	29.4	9.6	1.7	.3	.1	0.0	0.0	0.0	53.5
7	20077	16.2	25.9	27.4	9.7	1.4	.3	0.0	0.0	0.0	0.0	40.5
8	20074	14.7	25.8	28.5	10.1	2.2	.7	.1	0.0	0.0	0.0	61.7
9	19679	14.0	26.3	27.9	11.3	2.2	.5	.1	0.0	0.0	0.0	61.5
10	20059	14.6	24.2	26.5	10.8	2.4	.6	0.0	0.0	0.0	0.0	59.5
11	19405	14.7	20.3	18.5	9.4	2.7	.9	.1	0.0	0.0	0.0	59.9
12	20001	16.0	15.3	12.8	6.5	2.1	.9	.2	0.0	0.0	0.0	49.5
13	239621	15.5	22.5	23.6	9.9	2.3	.7	.1	0.0	0.0	0.0	59.1

458 -0--0 AK KALTAG 6420 15845 WI= 67.2 SP= 46.3 SU= 38.7 FA= 44.6

MONTH	TOTAL OBS	MPH 4-15	16-31	32-47	POWER
1	548	38.0	4.0	0.0	46.2
2	624	39.0	12.0	0.0	103.5
3	622	42.0	1.0	0.0	26.0
4	637	52.0	8.0	0.0	81.2
5	514	51.0	1.0	0.0	31.0
6	562	56.0	1.0	0.0	33.4
7	529	50.0	1.0	0.0	30.6
8	544	45.0	1.0	0.0	28.2
9	573	50.0	2.0	0.0	37.7
10	599	44.0	5.0	0.0	56.1
11	539	40.0	3.0	0.0	40.1
12	582	35.0	5.0	0.0	51.9
13	6879	45.0	5.0	0.0	56.6

26627 -0--0 AK UNALAKLEET APT 6353 16048 WI= 466.6 SP= 213.5 SU= 119.8 FA= 268.5

MONTH	TOTAL OBS	KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	POWER
1	13188	4.2	12.8	19.9	19.4	16.3	13.7	4.4	1.4	.3	.2	520.9
2	12018	6.1	15.4	18.5	18.7	13.8	11.3	5.2	1.7	.4	.1	502.6
3	12226	5.4	16.0	21.2	21.4	14.2	8.7	2.5	.6	.1	0.0	336.6
4	12451	6.5	20.1	26.0	22.4	11.1	3.9	.6	.1	0.0	0.0	191.5
5	12753	7.7	22.4	32.8	21.7	5.5	1.2	.1	0.0	0.0	0.0	112.4
6	12598	7.5	25.9	34.9	19.4	4.0	.9	.1	0.0	0.0	0.0	96.9
7	13806	7.0	23.1	33.2	21.6	6.2	1.2	.1	0.0	0.0	0.0	116.5
8	13756	6.2	21.2	32.5	21.9	7.5	2.6	.3	0.0	0.0	0.0	146.0
9	13260	5.9	19.2	30.1	25.1	10.0	2.7	.5	.1	0.0	0.0	175.6
10	13768	6.8	18.1	25.0	23.4	13.3	5.3	1.1	.1	0.0	0.0	234.5
11	13332	5.7	15.2	20.5	23.6	15.1	10.5	3.3	.8	.1	0.0	395.4
12	13753	5.5	19.0	21.8	20.4	17.8	9.1	3.3	1.2	.1	0.0	376.4
13	156919	6.2	19.0	26.5	21.6	10.8	5.9	1.8	.5	.1	0.0	265.3

26620 46-67 AK MOSES POINT APT 6412 16203 WI= 318.8 SP= 234.8 SU= 181.7 FA= 228.6

MONTH	TOTAL OBS	KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	POWER
1	14568	7.3	17.1	16.3	23.3	15.1	9.0	2.6	.3	0.0	0.0	329.5
2	13301	5.6	13.2	18.0	25.7	17.2	10.2	2.2	.4	.1	0.0	363.6
3	14363	6.3	17.4	20.8	26.0	13.8	7.0	1.5	.2	0.0	0.0	275.1
4	13865	5.5	14.3	20.2	29.2	16.8	7.0	1.2	.2	0.0	0.0	279.6
5	14383	7.4	21.8	26.9	24.4	8.5	2.1	.2	.1	0.0	0.0	149.8
6	13746	6.7	21.0	31.5	26.6	6.7	1.3	.1	0.0	0.0	0.0	129.8
7	14259	6.2	20.3	28.1	25.7	8.4	3.5	.7	.1	0.0	0.0	181.4
8	14189	6.0	19.1	26.2	26.3	9.1	5.2	1.5	.3	0.0	0.0	233.8
9	13730	5.4	18.3	26.1	29.5	9.1	4.6	1.0	.2	0.0	0.0	217.0
10	14131	6.3	20.0	22.2	26.7	12.9	5.0	.6	.1	0.0	0.0	222.2
11	14135	8.1	19.8	20.5	23.9	13.3	5.3	1.3	.3	0.0	0.0	246.6
12	14910	8.1	19.6	18.4	22.6	14.7	7.0	1.3	.1	0.0	0.0	263.3
13	169500	6.6	18.5	22.9	25.8	12.0	5.6	1.2	.2	0.0	0.0	241.2

502 -0--0 AK GOLOVIN 6433 16302 WI= 225.0 SP= 213.5 SU= 186.8 FA= 299.8

MONTH	TOTAL OBS	MPH 4-15	16-31	32-47	POWER
1	1088	58.0	18.0	1.0	188.8
2	1038	54.0	24.0	1.0	229.5
3	1234	49.0	22.0	2.0	246.7
4	1315	58.0	22.0	2.0	250.9
5	874	66.0	11.0	1.0	142.8
6	824	69.0	12.0	0.0	117.6
7	890	62.0	21.0	0.0	178.2
8	923	57.0	24.0	2.0	264.6
9	875	57.0	25.0	2.0	271.7
10	1051	59.0	23.0	2.0	258.5
11	1082	53.0	20.0	6.0	369.2
12	1170	59.0	18.0	3.0	256.7
13	12284	58.0	20.0	2.0	236.7

26617 45-70 AK NOME APT 6430 16526 WI= 291.9 SP= 202.5 SU= 133.1 FA= 227.9

MONTH	TOTAL OBS	KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	POWER
1	16325	13.3	14.9	16.1	20.4	12.1	8.1	2.7	.7	.2	0.0	328.6
2	14897	15.3	16.3	15.0	18.5	10.0	7.6	2.8	.7	.2	0.0	308.4
3	15600	15.7	16.6	16.7	19.7	9.6	5.5	1.5	.3	.1	0.0	228.9
4	15822	15.3	18.5	18.3	21.5	11.1	5.8	1.3	.1	0.0	0.0	225.5
5	16354	11.0	20.1	29.4	24.4	7.2	2.5	.4	.1	0.0	0.0	153.1
6	15828	9.6	21.4	34.7	23.2	5.8	1.5	0.0	0.0	0.0	0.0	119.4
7	16350	9.3	23.3	34.3	22.7	5.4	1.4	.1	0.0	0.0	0.0	117.3
8	16106	7.8	19.3	32.3	26.7	7.8	2.5	.4	.1	0.0	0.0	162.6
9	15554	7.9	16.9	28.4	28.8	9.8	3.4	.5	.1	0.0	0.0	189.6
10	16111	9.0	18.5	27.4	24.5	9.5	4.8	1.3	.3	.1	0.0	230.4
11	15592	10.4	18.3	21.5	23.1	10.8	6.6	2.0	.3	0.0	0.0	263.6
12	16107	16.1	19.4	17.0	18.1	8.9	5.5	2.1	.5	0.0	0.0	238.9
13	190646	11.7	18.7	24.3	22.7	9.0	4.6	1.2	.3	.1	0.0	217.5

26632 53-69 AK NORTHEAST CAPE AFS 6319 16858 WI= 373.3 SP= 277.8 SU= 198.8 FA= 461.1

MONTH	TOTAL OBS	KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	POWER
1	9911	3.9	12.2	16.8	22.0	13.9	8.7	3.9	1.7	.4	.3	468.8
2	9289	4.8	16.1	19.3	20.7	9.8	6.0	2.1	.7	0.0	0.0	263.4
3	10025	4.5	16.0	18.3	19.6	9.5	5.2	2.0	.7	0.0	0.0	246.7
4	10614	4.9	14.7	19.5	22.3	11.6	5.5	2.1	1.2	.3	.3	347.6
5	11177	4.5	19.5	24.2	20.5	8.9	3.7	1.3	.7	.2	.1	239.2
6	10640	6.9	24.7	23.3	18.5	6.7	1.9	.6	.2	0.0	0.0	137.0
7	11219	4.5	18.8	24.1	24.7	9.8	3.5	.8	.4	.1	.1	218.7
8	11393	3.7	17.7	25.2	26.0	11.7	4.7	1.0	.4	.1	0.0	240.8
9	11133	3.2	13.5	20.8	29.2	16.8	6.0	1.3	.2	.1	0.0	288.5
10	11046	1.7	8.4	17.0	31.1	22.4	11.3	2.4	1.1	.1	.1	462.7
11	10782	1.3	6.7	13.5	26.7	24.0	15.7	5.2	1.8	.4	.1	632.2
12	10402	3.4	11.5	17.5	24.4	16.2	8.0	2.4	1.1	.3	.1	387.7
13	127131	3.3	15.0	20.1	23.9	13.5	6.6	2.1	.8	.2	.1	328.8

26634 -0--0 AK TIN CITY AFS 6534 16755 WI= 803.8 SP= 632.4 SU= 288.9 FA= 532.5

MONTH	TOTAL OBS	KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	POWER
1	10762	2.7	6.5	11.5	21.5	23.1	18.1	8.0	2.6	.5	.2	763.6
2	9715	1.7	4.0	7.5	15.8	25.6	28.3	11.0	2.5	.3	0.0	919.1
3	10895	2.0	5.5	11.5	19.1	22.0	22.5	9.1	2.7	.3	.1	811.0
4	10988	2.0	5.8	12.3	24.8	23.8	18.2	7.0	1.6	.1	0.0	658.7
5	11877	3.3	8.4	15.7	29.5	20.5	13.1	2.8	.3	0.0	0.0	427.6
6	11958	4.1	13.3	22.4	28.2	18.4	6.8	.5	0.0	0.0	0.0	271.7
7	12468	3.3	11.8	22.4	33.1	17.2	5.5	.4	.1	0.0	0.0	260.6
8	11496	3.0	10.7	22.1	33.2	17.0	8.6	1.3	.3	.1	0.0	334.4
9	10860	3.3	11.2	20.1	31.1	17.7	9.2	2.1	.3	0.0	0.0	352.4
10	10773	3.0	9.4	18.3	26.7	18.5	12.1	4.5	2.1	.1	0.0	522.6
11	10330	2.0	5.7	13.1	24.6	23.1	17.6	6.1	2.6	.7	.1	722.4
12	10576	1.9	4.8	10.3	23.5	25.1	19.4	6.9	2.1	.4	.1	728.6
13	132598	2.9	8.2	15.9	26.2	20.9	14.6	4.8	1.4	.2	0.0	549.3

26616 45-70 AK KOTZEBUE 6652 16238 WI= 413.3 SP= 255.3 SU= 211.6 FA= 298.8

MONTH	TOTAL OBS	KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	POWER
1	16350	9.8	18.0	20.1	18.4	12.7	10.8	4.3	1.8	.3	0.0	455.0
2	14892	10.2	19.9	21.4	19.0	10.1	7.7	4.1	1.7	.3	.2	418.0
3	16333	10.2	21.6	23.1	19.8	10.1	6.6	2.7	.9	.2	0.0	310.2
4	15806	8.6	20.0	24.9	22.0	10.3	7.0	2.2	.7	.1	0.0	294.1
5	16309	9.7	22.5	30.3	23.0	7.9	3.2	.5	0.0	0.0	0.0	161.7
6	15808	5.5	18.4	32.6	27.5	10.8	3.4	.4	0.0	0.0	0.0	187.2
7	16268	3.8	15.8	31.3	31.1	11.4	4.4	.5	0.0	0.0	0.0	212.9
8	16335	3.5	14.8	28.7	32.6	13.3	4.8	.5	.1	0.0	0.0	234.6
9	15795	4.4	15.3	29.4	31.4	12.6	4.6	.6	.1	0.0	0.0	228.4
10	15315	4.4	18.3	29.6	25.9	12.3	6.2	1.7	.3	0.0	0.0	270.0
11	15808	7.3	19.1	23.1	20.5	12.2	9.7	3.7	1.1	.1	.1	397.9
12	16329	12.2	21.8	21.3	16.5	10.5	8.0	2.8	1.3	.4	.1	366.9
13	192368	7.5	18.8	26.3	24.0	11.2	6.4	2.0	.7	.1	0.0	291.8

26631 53-70 AK CAPE LISBURNE AFS 6853 16608 WI= 344.8 SP= 276.3 SU= 243.2 FA= 381.2

MONTH	TOTAL OBS	KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	POWER
1	10088	5.4	16.1	22.7	21.1	10.2	7.3	3.2	2.1	.4	.3	432.3
2	9266	5.6	17.4	25.2	22.6	7.6	4.1	2.4	1.0	.2	0.0	268.5
3	10577	5.8	16.3	25.8	19.2	7.7	5.2	2.7	1.8	.3	.1	335.4
4	10619	5.6	16.7	26.1	20.6	9.2	5.6	2.0	.6	.2	0.0	266.1
5	11386	5.6	17.9	26.4	21.4	10.3	4.2	1.4	.4	.1	0.0	227.3
6	11000	9.4	23.1	23.4	14.1	5.9	3.8	1.9	.8	.1	0.0	210.0
7	11135	7.1	18.7	23.5	18.7	9.6	5.6	2.6	1.2	.2	0.0	303.0
8	10864	6.1	17.2	23.7	23.3	12.1	5.1	.6	.2	0.0	0.0	216.5
9	10456	5.7	16.2	20.5	24.7	14.4	6.9	1.0	.3	0.0	0.0	266.8
10	10820	4.3	13.3	19.9	25.9	16.1	9.8	3.5	1.1	.2	.1	432.7
11	10219	4.1	15.1	21.4	22.7	14.6	9.6	3.8	1.7	.3	0.0	444.2
12	10563	6.0	16.9	23.2	22.2	9.5	5.3	2.4	1.1	.4	.2	333.6
13	126993	5.9	17.1	23.5	21.3	10.6	6.0	2.3	1.0	.2	.1	314.6

26535 52-70 AK INDIAN MOUNTAIN AFS 6600 15342 WI= 110.8 SP= 67.8 SU= 34.7 FA= 78.1

MONTH	TOTAL OBS	KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	POWER
1	11497	7.2	11.0	14.6	12.2	5.2	2.7	.6	.1	0.0	0.0	115.2
2	10175	8.9	11.3	16.9	13.1	4.6	2.6	.4	.2	0.0	0.0	113.0
3	11518	10.2	15.9	19.8	11.7	3.3	1.2	.3	.1	.1	0.0	88.0
4	11724	10.2	21.1	27.6	14.0	1.6	.3	0.0	0.0	0.0	0.0	58.1
5	12381	11.5	23.3	30.7	13.1	1.7	.2	0.0	0.0	0.0	0.0	57.4
6	12015	12.1	28.3	31.3	8.2	.3	0.0	0.0	0.0	0.0	0.0	37.7
7	12467	13.0	28.1	27.8	5.8	.2	0.0	0.0	0.0	0.0	0.0	30.3
8	11979	13.5	23.8	22.6	6.7	.6	.2	.1	0.0	0.0	0.0	36.2
9	11535	11.4	21.1	24.3	10.7	2.3	.2	0.0	0.0	0.0	0.0	52.4
10	12010	8.5	15.1	20.2	14.4	4.0	1.6	.1	0.0	0.0	0.0	86.5
11	11093	8.4	11.9	16.0	12.3	4.8	2.3	.2	0.0	0.0	0.0	95.3
12	11401	7.7	9.9	13.5	11.2	4.6	2.3	.6	.1	0.0	0.0	104.1
13	139795	10.3	18.6	22.3	11.1	2.7	1.1	.2	0.0	0.0	0.0	70.0

26533 -0--0 AK BETTLES APT 6655 15131 WI= 40.3 SP= 62.5 SU= 48.6 FA= 43.3

MONTH	TOTAL OBS	MPH 0-3	4-7	8-12	13-18	19-24	25-31	32-38	39-46	POWER
1	1236	44.2	28.9	21.9	4.4	.2	.3	0.0	0.0	28.4
2	1128	23.8	32.3	33.7	9.4	.8	0.0	0.0	0.0	44.9
3	1234	23.7	28.3	33.4	12.9	1.5	.2	0.0	0.0	57.7
4	1189	15.9	28.1	39.4	15.5	1.1	.1	0.0	0.0	62.9
5	1231	15.5	31.4	34.2	17.1	1.7	.1	0.0	0.0	66.9
6	1197	20.1	33.3	30.1	14.3	1.9	.3	0.0	0.0	62.6
7	1240	19.8	41.4	28.5	9.0	1.3	0.0	0.0	0.0	44.8
8	1240	26.9	38.2	27.1	7.0	.6	.2	0.0	0.0	38.3
9	1200	23.3	35.9	30.7	9.4	.7	0.0	0.0	0.0	43.1
10	1240	21.1	34.5	35.5	8.4	.4	.1	0.0	0.0	43.1
11	1176	23.4	32.1	34.9	9.2	.3	.1	0.0	0.0	43.6
12	1240	26.2	31.6	32.3	9.7	.8	.4	0.0	0.0	47.5
13	14551	23.7	33.0	31.8	10.4	.9	.2	0.0	0.0	48.9

979 -0--0 AK WISEMAN 6726 15013 WI= 23.6 SP= 19.1 SU= 17.5 FA= 17.1

MONTH	TOTAL OBS	MPH	4-15	16-31	32-47	POWER
1	762		45.0	1.0	0.0	28.2
2	944		41.0	1.0	0.0	26.3
3	1036		36.0	0.0	0.0	16.9
4	1033		34.0	0.0	0.0	15.9
5	687		37.0	1.0	0.0	24.5
6	563		33.0	0.0	0.0	15.5
7	668		34.0	1.0	0.0	23.0
8	640		30.0	0.0	0.0	14.1
9	726		26.0	0.0	0.0	12.2
10	737		27.0	0.0	0.0	12.7
11	688		41.0	1.0	0.0	26.3
12	696		35.0	0.0	0.0	16.4
13	9180		35.0	1.0	0.0	23.5

26537 -0--0 AK UMIAT 6922 15208 WI= 104.7 SP= 67.1 SU= 69.3 FA= 76.7

MONTH	TOTAL OBS	KNOTS	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	POWER
1	6143		26.8	28.1	20.7	9.8	2.8	2.1	.8	.3	.1	0.0	113.7
2	5898		22.2	21.4	22.6	12.5	3.6	2.0	.6	.1	.1	.1	121.9
3	5857		26.8	22.6	20.3	8.6	1.3	.4	0.0	0.0	0.0	0.0	43.0
4	5662		23.5	23.5	20.0	12.4	2.8	.9	.5	0.0	0.0	0.0	77.3
5	5832		18.8	19.5	26.7	22.0	2.6	.4	0.0	0.0	0.0	0.0	80.9
6	5650		15.9	20.2	30.9	19.6	3.5	.8	.2	0.0	0.0	0.0	93.0
7	6345		18.9	23.7	26.6	13.4	1.9	.6	0.0	0.0	0.0	0.0	62.0
8	5206		21.1	21.9	26.1	11.3	2.0	.2	0.0	0.0	0.0	0.0	53.0
9	5749		22.8	21.4	23.4	13.4	1.8	.4	0.0	0.0	0.0	0.0	57.2
10	5947		27.0	18.8	14.8	7.1	2.3	1.1	0.0	0.0	0.0	0.0	51.0
11	5498		24.5	18.4	15.6	10.3	4.0	2.4	.6	.4	.1	0.0	121.9
12	5457		26.2	21.3	21.9	9.2	1.9	1.2	.2	.1	0.0	.1	78.6
13	69246		22.9	21.1	22.5	12.5	2.5	1.1	.2	.1	0.0	0.0	76.4

27502 45-68 AK POINT BARROW 7118 15647 WI= 197.6 SP= 166.4 SU= 165.6 FA= 251.8

MONTH	TOTAL OBS	KNOTS	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	POWER
1	15149		7.1	19.5	33.8	22.5	9.5	4.2	1.3	.3	0.0	0.0	215.2
2	13801		8.0	21.7	34.6	21.1	7.5	4.0	1.1	.3	0.0	0.0	194.3
3	15145		5.8	19.4	37.1	25.2	7.9	2.3	.3	.2	0.0	0.0	162.8
4	14561		5.5	20.1	34.8	26.3	8.6	3.0	.3	0.0	0.0	0.0	167.3
5	14987		4.5	16.2	34.8	31.7	9.3	2.2	.2	0.0	0.0	0.0	169.8
6	14862		4.2	16.3	38.7	31.6	7.3	1.0	.1	0.0	0.0	0.0	143.0
7	14861		4.9	17.4	34.3	34.0	7.3	1.0	.1	0.0	0.0	0.0	145.8
8	15358		4.1	15.9	33.9	29.6	11.1	3.9	.7	0.0	0.0	0.0	208.0
9	14864		3.9	14.6	30.6	33.6	12.0	3.6	.5	0.0	0.0	0.0	211.1
10	15118		4.1	13.3	30.7	30.4	13.5	5.8	.9	.2	0.0	0.0	258.1
11	14629		5.0	15.4	29.6	27.6	13.1	6.5	1.6	.3	.1	0.0	286.2
12	15094		8.4	21.3	29.7	23.9	9.4	3.8	.5	.1	0.0	0.0	183.3
13	178429		5.4	17.5	33.5	28.1	9.7	3.4	.6	.1	0.0	0.0	192.6

27401 48-70 AK BARTER IS 7008 14338 WI= 468.7 SP= 291.5 SU= 159.1 FA= 414.8

MONTH	TOTAL OBS	KNOTS	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	POWER
1	13639		6.3	17.4	26.5	20.8	9.4	7.3	4.0	2.5	.9	.4	512.1
2	12450		5.5	16.3	29.9	23.5	9.6	6.3	3.3	2.3	.7	.4	468.6
3	13790		6.8	15.8	29.4	23.6	9.6	6.1	2.8	1.3	.4	.3	379.3
4	13396		6.6	18.4	30.0	22.1	8.7	5.0	2.4	.8	.2	0.0	279.0
5	13851		6.4	18.4	30.8	26.2	9.7	3.7	1.3	.3	0.0	0.0	216.2
6	13591		5.7	21.7	31.8	27.0	7.6	1.7	.3	0.0	0.0	0.0	145.7
7	14127		5.6	23.6	34.2	24.2	6.2	1.3	.1	0.0	0.0	0.0	123.6
8	13557		5.7	22.5	30.3	24.4	8.7	3.6	1.1	.3	.1	0.0	208.0
9	12966		5.8	18.5	28.9	23.4	11.8	5.0	1.6	.6	.1	.2	287.2
10	13838		4.7	16.2	26.0	20.1	13.1	9.2	4.7	2.2	.3	0.0	470.4
11	13355		5.8	16.7	25.7	20.1	10.7	9.0	4.7	2.1	.5	.2	486.9
12	13951		6.5	16.1	29.0	20.7	10.5	7.3	3.2	1.4	.5	.4	425.3
13	162511		6.0	18.3	29.4	23.0	9.6	5.5	2.5	1.2	.3	.2	341.1

26534 -0--0 AK SPARREVOHN AFS 6106 15534 WI= 75.1 SP= 77.4 SU= 37.8 FA= 63.8

MONTH	TOTAL OBS	KNOTS	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	POWER
1	10949		6.1	13.7	10.8	7.3	2.5	1.4	.5	.1	0.0	0.0	69.6
2	10226		9.4	15.6	14.5	8.6	3.1	1.4	.3	.1	0.0	0.0	73.1
3	11533		8.7	15.9	16.2	10.9	3.9	2.3	.7	.2	0.0	0.0	108.1
4	12477		9.2	19.3	20.4	13.1	3.6	.8	.1	.1	0.0	0.0	76.5
5	12553		8.8	22.5	24.3	9.9	1.5	.3	0.0	0.0	0.0	0.0	47.5
6	11829		8.9	23.1	23.9	8.0	.5	.1	0.0	0.0	0.0	0.0	35.3
7	12708		8.9	22.5	23.9	8.7	.5	.1	0.0	0.0	0.0	0.0	36.6
8	12386		9.1	20.7	24.9	9.6	1.0	.1	0.0	0.0	0.0	0.0	41.6
9	12055		9.5	19.0	23.1	10.6	1.6	.4	0.0	.1	0.0	0.0	54.0
10	12462		9.3	17.0	17.4	10.8	2.7	.8	.2	0.0	0.0	0.0	63.0
11	11333		7.4	15.3	14.5	8.9	3.0	1.5	.3	.1	0.0	0.0	74.3
12	11116		7.8	13.2	12.0	7.2	2.9	1.9	.5	.2	0.0	0.0	82.7
13	141627		8.6	18.3	19.1	9.5	2.2	.9	.2	.1	0.0	0.0	63.9

26510 49-70 AK MCGRATH 6258 15537 WI= 17.9 SP= 35.3 SU= 35.0 FA= 24.2

MONTH	TOTAL OBS	KNOTS	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	POWER
1	13383		31.8	14.3	7.7	2.4	.3	.1	0.0	0.0	0.0	0.0	13.5
2	12199		29.2	20.8	12.8	4.0	.4	.1	.1	.1	0.0	0.0	27.3
3	13388		25.0	24.0	16.8	6.6	.6	.1	0.0	0.0	0.0	0.0	29.5
4	12957		20.3	27.7	25.6	8.5	.6	0.0	0.0	0.0	0.0	0.0	37.1
5	13390		20.4	29.9	25.3	9.0	.6	.1	0.0	0.0	0.0	0.0	39.4
6	12956		19.3	33.6	25.4	7.9	.4	0.0	0.0	0.0	0.0	0.0	35.2
7	14086		20.1	32.3	24.0	7.7	.5	0.0	0.0	0.0	0.0	0.0	34.5
8	13887		24.3	31.2	20.2	7.3	.9	.1	0.0	0.0	0.0	0.0	35.2
9	13438		23.2	30.7	18.3	6.2	.8	.2	0.0	0.0	0.0	0.0	32.5
10	13879		23.5	30.3	16.8	4.2	.5	.1	0.0	0.0	0.0	0.0	24.7
11	13437		27.7	20.9	9.2	2.6	.3	.1	0.0	0.0	0.0	0.0	15.4
12	13871		29.5	14.9	7.8	2.9	.2	0.0	0.0	0.0	0.0	0.0	12.9
13	160871		24.5	25.9	17.5	5.8	.5	.1	0.0	0.0	0.0	0.0	27.9

26536 -0--0 AK TATALINE AFS 6253 15557 WI= 28.0 SP= 37.3 SU= 28.2 FA= 31.1

MONTH	TOTAL OBS	KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	POWER
1	10230	12.8	23.9	16.2	4.1	.8	.1	0.0	0.0	0.0	0.0	25.1
2	9070	12.5	25.0	20.8	6.7	1.1	.3	0.0	0.0	0.0	0.0	37.1
3	10418	13.0	29.4	22.4	6.7	1.2	.1	0.0	0.0	0.0	0.0	36.4
4	10710	12.2	28.5	26.5	8.4	.6	0.0	0.0	0.0	0.0	0.0	37.3
5	10789	11.3	29.6	27.3	8.6	.6	0.0	0.0	0.0	0.0	0.0	38.3
6	10371	13.4	31.8	22.7	5.2	.3	0.0	0.0	0.0	0.0	0.0	27.5
7	10793	14.0	30.0	22.1	5.6	.3	0.0	0.0	0.0	0.0	0.0	27.8
8	10359	13.4	27.4	21.8	6.2	.4	0.0	0.0	0.0	0.0	0.0	29.2
9	10278	13.0	26.9	22.2	7.0	.7	.1	0.0	0.0	0.0	0.0	33.9
10	10534	12.0	26.7	19.7	6.6	1.1	.2	0.0	0.0	0.0	0.0	35.3
11	9850	12.2	23.9	18.3	5.1	.3	0.0	0.0	0.0	0.0	0.0	24.2
12	10299	12.9	13.5	14.5	3.7	.6	.1	0.0	0.0	0.0	0.0	21.8
13	123691	12.7	25.0	21.3	6.2	.6	.1	0.0	0.0	0.0	0.0	31.2

16 -0--0 AK FLAT 6229 15805 WI= 218.9 SP= 157.6 SU= 96.4 FA= 165.6

MONTH	TOTAL OBS	MPH 4-15	16-31	32-47	POWER
1	662	38.0	17.0	2.0	206.0
2	711	45.0	25.0	2.0	266.1
3	812	49.0	21.0	1.0	205.8
4	799	67.0	17.0	0.0	150.3
5	446	67.0	12.0	0.0	116.6
6	442	62.0	10.0	0.0	100.1
7	413	67.0	7.0	0.0	81.1
8	457	64.0	11.0	0.0	108.1
9	475	67.0	11.0	1.0	143.3
10	535	60.0	15.0	1.0	168.4
11	555	50.0	18.0	1.0	185.0
12	607	38.0	14.0	2.0	184.7
13	6910	54.0	15.0	1.0	172.7

26516 49-70 AK ANTAK 6135 15932 WI= 51.2 SP= 57.2 SU= 33.1 FA= 45.6

MONTH	TOTAL OBS	KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	POWER
1	12762	17.1	25.5	23.6	11.4	1.7	.3	0.0	0.0	0.0	0.0	51.7
2	11633	16.2	27.1	27.0	13.3	1.8	.4	0.0	0.0	0.0	0.0	59.3
3	12754	15.4	26.5	26.0	15.0	2.0	.4	0.0	0.0	0.0	0.0	63.4
4	12368	14.3	26.4	30.1	15.3	1.2	.2	0.0	0.0	0.0	0.0	59.1
5	12492	16.7	27.7	28.8	11.6	1.1	.1	0.0	0.0	0.0	0.0	49.1
6	12364	18.7	31.6	27.1	8.5	.5	0.0	0.0	0.0	0.0	0.0	37.7
7	13495	22.5	32.1	21.9	5.8	.1	0.0	0.0	0.0	0.0	0.0	27.2
8	13445	20.4	31.2	23.9	7.7	.5	0.0	0.0	0.0	0.0	0.0	34.3
9	13011	18.5	29.9	26.4	9.4	.8	.1	0.0	0.0	0.0	0.0	41.9
10	13209	18.6	30.1	26.1	10.6	1.2	.2	0.0	0.0	0.0	0.0	47.8
11	12724	19.0	29.1	22.5	11.0	1.5	.1	0.0	0.0	0.0	0.0	47.1
12	13150	18.3	26.4	19.8	8.1	1.4	.4	0.0	0.0	0.0	0.0	42.6
13	157407	18.1	28.7	25.2	10.6	1.1	.2	0.0	0.0	0.0	0.0	46.6

26615 45-65 AK BETHEL APT 6047 16148 WI= 232.9 SP= 172.1 SU= 118.8 FA= 161.8

MONTH	TOTAL OBS	KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	POWER
1	15115	7.7	15.0	26.5	28.2	11.6	4.4	.8	.4	0.0	0.0	279.6
2	13768	5.3	15.6	27.1	30.7	12.8	4.9	1.1	.3	.1	0.0	258.1
3	15112	6.7	17.8	28.2	28.7	9.8	4.2	1.2	.3	0.0	0.0	224.3
4	14613	6.2	18.2	32.2	28.5	9.0	2.5	.3	0.0	0.0	0.0	166.4
5	14817	8.0	21.9	36.1	24.9	5.3	1.5	.2	0.0	0.0	0.0	125.6
6	14388	6.4	20.8	39.9	26.2	3.7	.7	.1	0.0	0.0	0.0	108.7
7	14849	7.3	23.5	38.0	22.8	4.5	1.1	.1	0.0	0.0	0.0	110.5
8	14861	6.8	23.4	34.7	23.1	6.4	2.1	.3	0.0	0.0	0.0	137.3
9	14368	7.1	23.2	34.0	24.5	5.4	2.1	.4	.1	0.0	0.0	140.7
10	14854	5.8	21.4	33.3	25.6	7.3	2.7	.5	0.0	0.0	0.0	158.8
11	14345	7.5	20.7	27.7	26.9	8.8	3.3	.8	.1	0.0	0.0	185.9
12	14566	7.6	18.8	25.4	27.2	11.2	3.9	1.0	.1	0.0	0.0	211.0
13	175656	6.9	20.0	31.9	26.4	8.0	2.8	.6	.1	0.0	0.0	171.5

26633 54-70 AK CAPE ROMANZOF AFS 6147 16602 WI= 681.7 SP= 405.6 SU= 129.5 FA= 353.6

MONTH	TOTAL OBS	KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	POWER
1	10903	3.8	8.2	10.5	19.4	18.1	13.7	7.0	3.2	.7	.2	692.2
2	9581	3.1	7.8	12.2	20.1	17.0	13.6	7.7	3.8	.6	0.0	699.0
3	10312	4.4	9.7	13.7	21.7	16.4	11.5	4.5	2.0	.2	0.0	493.5
4	11437	3.5	9.1	16.8	24.0	17.9	12.0	4.1	1.5	.1	0.0	476.7
5	11706	4.7	14.3	22.8	26.3	10.9	5.4	1.6	.3	0.0	0.0	246.7
6	10909	5.8	20.2	27.7	24.5	6.8	1.3	.1	0.0	0.0	0.0	124.0
7	11370	6.9	21.4	27.1	23.6	5.2	1.1	.1	0.0	0.0	0.0	110.4
8	11623	5.1	19.1	29.3	26.6	9.1	2.0	.3	.1	0.0	0.0	154.1
9	11054	4.1	15.4	28.0	28.8	11.2	4.0	1.1	.3	.1	0.0	234.4
10	11021	4.7	12.1	22.3	29.1	13.3	7.2	1.7	.5	.1	0.0	305.9
11	10470	3.3	9.5	16.1	25.6	17.6	11.4	4.6	1.9	.4	0.0	520.6
12	10713	3.6	8.7	14.5	23.2	14.7	11.5	6.7	3.6	.7	.1	654.0
13	131099	4.5	13.0	20.3	24.5	13.0	7.7	3.2	1.4	.2	0.0	380.6

25623 54-70 AK CAPE NEWENHAM AFS 5839 16204 WI= 362.3 SP= 262.7 SU= 120.9 FA= 226.1

MONTH	TOTAL OBS	KNOTS 1-3	4-6	7-10	11-15	17-21	22-27	28-33	34-40	41-47	48-55	POWER
1	10452	4.0	10.6	14.9	20.1	13.7	8.7	3.5	1.6	.2	0.0	400.4
2	9992	4.0	11.5	17.9	24.8	13.4	7.4	2.6	1.4	.3	0.0	371.3
3	11169	5.1	13.8	18.9	24.4	12.3	5.9	2.1	1.2	.2	.1	330.5
4	10832	4.7	12.4	20.8	26.1	14.3	6.1	1.9	.5	0.0	0.0	288.7
5	11677	8.0	14.8	22.2	23.6	9.2	2.6	.6	.2	0.0	0.0	168.8
6	10744	6.9	18.8	25.5	21.2	4.9	1.7	.3	.1	0.0	0.0	119.0
7	10820	6.3	18.7	24.9	23.5	5.6	.5	0.0	0.0	0.0	0.0	101.3
8	11213	4.3	16.4	29.2	27.5	6.7	2.1	.2	0.0	0.0	0.0	142.4
9	10897	5.0	15.8	30.1	27.9	8.4	2.9	.3	0.0	0.0	0.0	155.3
10	11510	4.3	15.7	25.9	27.6	11.3	4.5	.7	.1	0.0	0.0	212.5
11	10606	3.7	13.2	22.7	25.6	11.7	7.3	2.1	.5	.1	0.0	300.5
12	10922	4.5	10.8	17.5	23.6	11.5	7.7	2.5	.7	.1	0.0	315.2
13	130834	5.1	14.4	22.6	24.7	10.2	4.7	1.4	.5	.1	0.0	241.6

25501 46-69 AK KODIAK FWC 5744 15231 WT= 309.8 SP= 193.8 SU= 72.6 FA= 288.4

MONTH	TOTAL OBS	KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	POWER
1	17840	13.4	17.3	16.6	20.4	12.7	7.0	2.4	1.0	.1	.1	328.9
2	16225	12.7	17.0	21.0	20.8	11.1	5.8	2.0	.8	0.0	0.0	271.5
3	17830	13.5	17.0	21.1	22.0	10.6	5.7	1.7	.7	0.0	0.0	258.6
4	17255	12.8	19.6	23.6	22.7	9.8	4.0	1.0	.2	0.0	0.0	198.4
5	17844	13.3	23.7	28.3	20.4	6.1	1.9	.3	0.0	0.0	0.0	124.4
6	17267	17.8	26.2	26.1	15.6	4.1	.9	.1	0.0	0.0	0.0	87.3
7	17801	26.4	27.3	22.3	11.5	1.9	.3	0.0	0.0	0.0	0.0	52.7
8	17842	23.7	26.7	21.7	13.3	3.6	.9	.2	0.0	0.0	0.0	77.8
9	17175	18.9	24.7	23.0	17.6	6.3	1.8	.3	.1	0.0	0.0	120.2
10	17819	16.2	21.0	21.0	20.1	9.5	4.4	1.3	.4	0.0	0.0	210.6
11	17254	14.1	16.6	19.4	20.7	11.9	6.8	2.0	.8	.1	0.0	294.5
12	17088	12.8	16.8	18.3	21.5	11.7	7.0	2.4	.9	.2	.1	329.1
13	209240	16.4	21.2	21.9	19.0	8.2	3.8	1.1	.4	0.0	0.0	189.3

25503 43-70 AK KING SALMON APT 5841 15639 WT= 238.9 SP= 199.3 SU= 123.7 FA= 189.0

MONTH	TOTAL OBS	KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	POWER
1	17846	10.0	16.3	22.8	19.8	9.7	6.2	1.7	.4	.1	0.0	250.3
2	16276	8.7	16.7	23.3	21.9	11.2	5.2	1.9	.5	.1	0.0	260.2
3	17716	8.3	17.0	24.7	21.2	11.2	5.3	1.3	.4	0.0	0.0	235.1
4	17084	8.0	19.9	29.1	21.6	8.2	3.4	.9	.2	0.0	0.0	180.0
5	18132	8.5	21.0	29.1	21.5	8.8	3.9	.8	.1	0.0	0.0	182.8
6	17958	9.6	22.0	33.5	19.8	6.1	2.4	.4	.1	0.0	0.0	138.4
7	18590	11.4	24.2	34.2	17.9	3.5	.9	.2	0.0	0.0	0.0	92.8
8	18577	9.5	20.6	32.7	21.3	5.7	2.3	.5	.1	0.0	0.0	139.8
9	17964	11.1	21.9	30.0	19.3	6.5	2.6	.6	.2	.1	0.0	156.4
10	18533	9.9	19.0	28.4	21.5	7.4	3.7	.8	.3	0.0	0.0	180.3
11	17947	9.3	17.3	26.6	20.9	9.2	4.3	1.0	.4	.2	.1	230.3
12	18589	9.2	17.6	24.5	20.4	8.6	3.9	1.2	.4	.1	0.0	206.1
13	215352	9.5	19.4	28.3	20.6	8.0	3.7	.9	.3	.1	0.0	191.4

25505 43-51 AK PORT HEIDEN APT 5657 15837 WT= 568.8 SP= 381.4 SU= 293.7 FA= 452.6

MONTH	TOTAL OBS	KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	POWER
1	4830	5.6	10.0	28.1	18.5	14.2	15.1	4.7	1.7	.7	.2	576.4
2	4674	6.3	7.8	24.5	21.9	14.1	13.2	4.4	2.3	.7	.1	564.3
3	5203	5.4	10.7	25.1	20.8	14.4	14.9	4.1	1.3	.1	.1	493.1
4	5022	6.3	11.9	30.8	21.6	13.5	9.4	2.0	.8	.2	.1	361.3
5	5200	9.4	13.9	29.2	21.7	11.2	8.2	1.8	.5	0.0	0.0	289.9
6	5038	9.0	13.5	29.9	21.1	11.3	8.5	1.7	.1	0.0	0.0	273.9
7	4459	11.0	14.0	31.4	21.7	10.3	6.0	1.3	0.0	0.0	0.0	225.9
8	4586	6.5	14.7	28.8	20.9	12.6	9.7	3.6	.9	.1	0.0	381.2
9	4969	6.2	11.3	25.5	20.8	15.2	12.5	4.8	1.3	0.0	0.0	466.5
10	4579	3.7	9.8	28.9	22.5	14.4	14.3	4.0	.7	.1	0.0	451.9
11	4714	5.3	11.0	25.1	22.3	16.4	12.4	2.4	1.3	.3	0.0	439.5
12	4820	3.8	7.4	28.8	22.1	14.8	14.5	5.0	1.7	.4	.2	565.7
13	58085	6.5	11.4	28.0	21.3	13.5	11.6	3.3	1.1	.2	.1	429.7

25625 60-69 AK PORT MOLLOR 5600 16031 WT= 182.2 SP= 167.2 SU= 111.6 FA= 215.7

MONTH	TOTAL OBS	KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	POWER
1	2342	4.1	20.5	28.0	15.7	8.6	2.5	.8	.2	0.0	0.0	158.3
2	2271	3.7	21.7	26.8	16.5	9.2	2.9	1.1	.1	0.0	0.0	168.6
3	2365	5.0	22.4	24.7	20.1	10.4	2.6	.8	.1	0.0	0.0	171.1
4	2431	5.9	19.7	24.3	20.2	11.5	3.9	.7	.2	0.0	0.0	195.0
5	2425	5.1	23.6	27.4	16.0	7.0	1.9	.6	.2	0.0	0.0	135.6
6	2227	5.2	21.2	28.7	11.7	4.6	.9	.1	0.0	0.0	0.0	81.8
7	2540	6.5	25.7	29.5	14.6	7.1	1.2	.2	0.0	0.0	0.0	108.1
8	2538	5.0	21.0	27.1	18.7	9.8	2.4	.2	0.0	0.0	0.0	144.9
9	2429	4.6	16.6	27.3	23.4	10.0	2.0	.6	.1	0.0	0.0	164.2
10	2440	5.0	16.0	25.5	24.3	14.1	3.8	1.1	.1	0.0	0.0	222.5
11	2450	4.4	16.6	22.6	21.8	14.6	5.3	1.9	.2	0.0	0.0	260.4
12	2533	3.8	20.8	24.6	17.6	11.7	3.9	1.2	.6	0.0	0.0	219.8
13	28991	4.9	21.3	26.4	18.5	9.9	2.8	.8	.2	0.0	0.0	172.4

25624 43-68 AK COLD BAY APT 5512 16243 WT= 699.5 SP= 595.7 SU= 467.2 FA= 573.9

MONTH	TOTAL OBS	KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	POWER
1	15992	3.6	9.2	17.3	20.2	17.4	15.5	7.4	3.3	.8	.2	736.4
2	14574	3.5	8.7	17.1	23.0	18.4	13.9	6.8	3.0	.9	.4	731.1
3	15732	2.9	8.1	16.6	23.3	19.0	16.3	6.5	2.4	.5	.3	699.0
4	15235	2.4	7.8	18.7	25.1	20.1	13.6	5.3	1.8	.3	.1	580.9
5	15767	3.5	9.6	20.8	25.6	17.5	12.2	4.5	1.5	.3	0.0	506.0
6	15967	3.3	8.9	23.4	28.5	16.2	10.5	3.7	1.2	.3	.1	465.9
7	17109	4.5	11.4	23.0	25.6	15.7	9.8	4.0	1.2	.1	0.0	428.7
8	17099	3.8	9.8	20.4	24.9	18.5	12.3	4.8	1.4	.2	0.0	507.1
9	16532	3.8	9.2	21.9	28.1	17.9	10.4	3.5	1.1	.3	.1	462.6
10	17096	3.5	9.2	17.6	24.1	18.6	13.8	5.7	2.1	.5	.1	606.7
11	15937	4.2	10.1	19.2	22.1	16.3	13.2	6.3	2.8	.7	.2	652.4
12	16485	3.9	10.0	19.1	22.0	17.1	13.3	6.3	2.6	.5	.2	631.1
13	193525	3.6	9.3	19.5	24.4	17.7	12.9	5.4	2.0	.4	.1	573.7

25611 46-54 AK DUTCH HARBOR NS 5353 16632 WT= 332.9 SP= 218.2 SU= 100.0 FA= 326.6

MONTH	TOTAL OBS	KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	POWER
1	4450	6.6	15.9	19.0	23.1	14.2	8.9	2.6	.7	.2	0.0	355.1
2	4020	7.3	15.6	20.9	22.5	12.3	7.5	3.1	1.6	.2	0.0	376.7
3	4143	9.5	16.6	21.0	20.7	11.5	6.9	2.4	.6	.1	0.0	295.2
4	4311	10.2	18.7	21.7	23.5	10.0	5.2	1.2	.3	0.0	0.0	223.8
5	4434	11.0	22.4	26.3	20.2	5.3	1.8	.9	.1	0.0	0.0	135.5
6	4312	9.7	23.2	28.1	18.1	5.0	2.0	.4	.2	0.0	0.0	125.3
7	4267	11.9	26.8	27.3	15.0	2.3	.7	0.0	0.0	0.0	0.0	69.5
8	3717	13.2	22.4	25.3	17.8	4.0	1.7	.4	0.0	0.0	0.0	105.3
9	3598	10.0	18.8	25.7	24.5	8.1	3.2	.6	.1	0.0	0.0	169.8
10	3452	7.4	14.9	20.1	24.3	14.7	7.7	3.2	1.3	.1	.1	390.1
11	2685	9.5	15.9	19.2	21.2	11.3	7.1	2.7	1.9	.8	.1	419.9
12	3623	9.6	17.7	22.1	22.1	11.5	4.8	1.9	.3	.2	.1	266.9
13	47012	9.7	19.3	23.2	21.8	9.1	4.7	1.6	.5	.1	0.0	233.2

25515 60-69 AK ROBERTSWOOD BAY 5358 16651 WI= 196.8 SP= 139.4 SU= 79.4 FA= 117.8

MONTH	TOTAL OBS	KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	POWER
1	2339	2.0	13.0	31.9	18.3	13.0	2.6	1.1	.4	0.0	0.0	204.8
2	2237	2.5	13.7	32.6	19.1	12.2	2.6	1.5	.2	0.0	0.0	203.3
3	2456	2.9	15.9	30.4	15.8	11.6	1.8	.6	0.0	0.0	0.0	154.6
4	2401	3.0	16.6	34.4	18.3	10.7	1.5	.3	.1	0.0	0.0	148.1
5	2466	4.1	20.3	31.3	14.0	7.6	1.3	.2	.1	0.0	0.0	115.5
6	2174	7.8	22.1	31.3	12.9	4.2	.3	0.0	0.0	0.0	0.0	72.6
7	2478	8.0	20.2	24.9	11.2	6.5	.9	.1	0.0	0.0	0.0	88.6
8	2479	6.4	20.1	31.8	12.2	5.0	.2	.1	0.0	0.0	0.0	77.0
9	2391	5.4	22.6	35.4	12.3	3.6	.4	0.0	0.0	0.0	0.0	71.4
10	2478	5.0	17.8	40.9	15.1	7.4	1.0	.4	0.0	0.0	0.0	120.1
11	2396	5.0	16.0	36.0	15.9	10.6	1.5	.4	.3	.1	0.0	161.8
12	2454	3.0	15.5	34.6	18.2	10.1	1.8	.9	.4	.1	0.0	182.2
13	28745	4.3	17.8	33.0	15.4	8.5	1.3	.5	.1	0.0	0.0	131.2

25692 -0--0 AK UMNAK IS,CAPE AE3 5323 16754 WI= 687.7 SP= 515.4 SU= 221.7 FA= 558.7

MONTH	TOTAL OBS	MPH 1-3	4-12	13-24	25-31	32-46	POWER
1	4442	3.6	28.2	34.0	16.5	10.1	651.8
2	4062	2.6	24.6	37.5	19.4	9.8	688.0
3	4830	3.5	31.5	38.9	15.6	7.6	577.7
4	4663	3.2	36.9	36.2	12.3	7.1	514.0
5	4915	4.2	39.0	36.5	11.0	5.7	454.6
6	4943	7.5	49.4	31.0	6.8	1.5	251.6
7	4403	8.9	55.7	26.3	3.4	.5	163.8
8	3711	5.3	48.4	34.3	4.9	1.8	249.7
9	3597	4.9	37.2	33.9	12.2	5.9	466.0
10	4414	3.7	29.6	40.2	15.0	8.5	603.7
11	4297	4.1	32.0	36.7	12.4	9.9	606.4
12	4457	3.9	29.1	33.7	15.5	12.7	723.3
13	52734	4.6	36.9	35.0	12.1	6.8	497.7

25626 60-69 AK NIKOLSKI 5255 16847 WI= 586.8 SP= 512.2 SU= 281.5 FA= 576.0

MONTH	TOTAL OBS	KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	POWER
1	2175	1.5	10.2	16.2	19.2	26.5	12.1	5.7	1.1	.1	0.0	538.2
2	2178	2.1	11.6	18.4	17.5	21.7	13.8	5.5	1.5	.2	.1	560.1
3	2253	1.4	10.4	17.5	18.2	26.1	11.9	6.2	1.0	0.0	0.0	532.6
4	2325	1.5	7.8	16.9	21.4	25.2	15.9	5.6	.8	.1	0.0	566.9
5	2439	2.6	12.3	21.8	21.2	22.4	10.4	3.3	1.1	0.0	0.0	437.0
6	2206	2.5	15.5	25.7	23.6	16.7	7.4	2.1	.5	0.0	0.0	321.4
7	2482	2.1	17.0	29.7	24.2	17.0	4.6	.8	0.0	0.0	0.0	239.7
8	2469	2.5	14.4	27.9	24.6	18.2	5.4	1.6	.2	0.0	0.0	283.4
9	2377	2.8	14.0	23.6	25.7	18.7	7.4	3.2	.5	0.0	0.0	361.5
10	2425	1.2	8.9	16.9	20.1	25.7	13.4	8.3	1.6	.1	0.0	634.4
11	2089	1.2	9.3	16.6	18.6	24.1	14.6	8.2	3.3	.3	.1	732.0
12	2433	1.4	11.6	14.5	15.4	24.2	13.6	7.4	2.4	.2	.2	662.2
13	27852	1.3	12.0	20.7	21.0	22.2	10.8	4.8	1.1	.1	0.0	482.4

25704 50-72 AK ADAK 5153 17638 WI= 473.2 SP= 449.6 SU= 233.3 FA= 439.4

MONTH	TOTAL OBS	KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	POWER
1	17110	4.7	10.5	19.5	24.5	15.1	9.3	4.0	1.3	.2	0.0	426.6
2	15559	4.9	11.0	19.5	24.4	13.9	9.5	4.2	2.0	.2	.1	467.6
3	16609	4.6	10.2	20.6	24.7	14.4	9.5	4.7	2.3	.5	.2	528.8
4	16074	3.9	11.0	21.9	27.7	14.9	9.5	3.8	1.4	.3	.1	453.5
5	16614	4.5	13.3	25.2	26.2	12.0	7.6	3.0	1.2	.2	0.0	366.5
6	16056	6.6	17.6	29.7	23.9	9.5	4.6	1.4	.3	0.0	0.0	223.1
7	16540	7.8	18.9	26.1	24.4	10.4	4.6	1.2	.2	0.0	0.0	218.6
8	16514	6.6	15.4	25.1	26.8	11.2	5.5	1.5	.5	0.0	0.0	258.1
9	16010	5.3	13.9	24.2	27.8	12.5	6.5	2.4	.9	.2	0.0	331.7
10	16610	4.5	10.8	20.3	24.7	16.1	9.8	4.8	1.9	.3	.1	502.0
11	16072	4.8	10.5	19.3	25.1	15.4	9.7	4.5	1.7	.3	.1	481.4
12	16579	5.7	11.5	17.0	22.0	13.9	9.9	5.5	2.5	.3	.1	525.4
13	196447	5.3	12.9	22.4	25.2	13.3	8.0	3.4	1.4	.2	.1	404.7

45702 44-50 AK AMCHITKA IS 5123 17915 WI=1617.1 SP=1044.9 SU= 435.9 FA= 985.4

MONTH	TOTAL OBS	KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	POWER
1	5146	2.3	3.7	11.4	16.4	17.3	16.6	12.2	8.7	4.8	3.7	1764.3
2	5225	3.4	5.6	13.7	16.6	15.6	14.3	12.4	8.3	4.1	2.4	1517.8
3	5714	2.2	4.1	11.6	19.0	18.3	16.4	12.8	7.9	3.3	1.7	1418.5
4	5568	2.3	5.3	15.3	21.0	19.7	15.8	10.8	5.5	1.9	.7	1062.5
5	5750	1.7	4.8	19.0	27.4	23.1	14.4	6.1	2.2	.4	.1	653.5
6	4968	3.4	7.1	24.1	31.2	19.3	10.0	2.8	.8	.2	.2	448.0
7	5204	2.6	6.9	23.6	34.5	18.8	9.4	2.9	.7	0.0	0.0	405.4
8	5589	2.8	6.3	20.3	33.1	22.2	11.1	2.2	.7	.3	.1	457.3
9	5751	2.7	6.3	20.2	28.6	18.1	11.9	5.9	3.1	1.3	.5	740.4
10	5916	1.2	3.9	15.2	25.9	20.3	15.2	8.5	5.6	2.4	.7	1053.5
11	5513	2.0	3.8	15.4	20.6	18.7	16.4	11.4	6.7	2.1	.9	1165.3
12	5198	2.1	3.5	12.6	17.5	16.1	17.2	13.8	7.9	4.2	2.3	1569.3
13	65542	2.4	5.1	16.8	24.3	19.0	14.1	8.5	4.9	2.1	1.1	1025.1

45709 47-58 AK ATTU IS 5250 17311 WI= 563.7 SP= 382.7 SU= 142.1 FA= 388.5

MONTH	TOTAL OBS	KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	POWER
1	6112	7.2	12.4	17.7	21.2	15.8	11.7	5.4	2.3	.4	.1	553.5
2	4913	6.4	11.6	18.2	21.6	16.8	11.6	5.8	2.2	.5	.2	582.8
3	5354	8.2	12.8	19.1	20.3	16.8	10.9	4.8	1.6	.3	.2	508.8
4	5190	11.3	15.8	19.3	19.3	12.1	9.8	4.1	1.2	.2	0.0	403.4
5	5378	12.5	20.2	24.8	21.0	8.9	4.5	1.7	.3	.1	.1	235.9
6	5180	15.7	22.7	25.4	19.4	6.0	2.2	1.2	.4	0.0	0.0	162.2
7	5200	19.5	22.4	22.9	13.0	4.8	2.8	1.0	.2	0.0	0.0	135.0
8	5916	21.5	19.5	22.2	14.9	6.0	2.6	.6	.1	0.0	0.0	129.0
9	5556	13.5	15.4	20.8	20.8	11.7	7.1	2.8	.8	.4	.2	360.9
10	5358	11.6	15.0	21.7	21.3	13.5	9.1	3.0	1.0	.1	0.0	366.3
11	5189	9.9	14.1	22.3	21.6	14.0	9.1	3.5	1.6	.2	0.0	414.3
12	5358	8.8	11.6	18.9	21.5	15.6	10.3	5.4	2.4	.6	.1	554.8
13	64704	12.2	15.2	21.1	19.6	11.8	7.6	3.3	1.2	.2	.1	368.5

45715 -0--0. AK SHEMYA APT 5243 17406 WI= 896.7 SP= 667.6 SU= 262.0 FA= 737.2

MONTH	TOTAL OBS	KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	POWER
1	12978	1.9	6.1	14.0	22.6	19.0	19.6	8.3	3.9	1.0	.4	887.2
2	11853	1.4	6.2	13.4	21.7	20.0	19.5	9.4	4.5	1.1	.3	932.1
3	13000	1.4	5.9	13.8	23.3	19.0	18.5	10.0	4.0	.9	.1	870.2
4	12352	1.8	6.8	16.5	27.5	21.4	16.3	5.7	2.0	.3	.1	641.1
5	12763	2.2	6.9	19.0	31.8	21.0	12.8	3.4	1.0	.1	0.0	403.5
6	12343	2.8	11.8	28.8	33.9	14.1	5.2	1.2	.2	0.0	0.0	266.9
7	12884	3.9	13.6	28.6	33.3	13.3	4.4	.7	.1	0.0	0.0	239.7
8	13413	3.5	12.4	28.4	32.2	14.6	5.7	1.1	.4	.1	0.0	209.9
9	13538	2.5	9.0	22.1	31.3	18.4	9.8	3.4	1.0	.1	0.0	432.5
10	14002	1.4	5.6	14.1	26.3	21.6	17.3	8.0	3.6	.7	.1	801.5
11	13515	1.5	3.8	12.4	23.5	21.4	20.7	9.4	4.7	1.1	.4	977.7
12	13478	1.5	4.9	13.2	22.2	21.3	20.5	8.1	3.8	.8	.3	870.9
13	156123	2.1	7.7	18.6	27.5	18.9	14.2	5.7	2.4	.5	.1	633.4

25713 -0--0 AK ST PAUL IS 5707 17816 WI= 805.8 SP= 519.4 SU= 221.7 FA= 594.7

MONTH	TOTAL OBS	KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	POWER
1	8302	2.2	5.4	14.3	26.4	20.9	17.0	7.5	3.2	.6	.1	758.2
2	7538	1.7	5.2	13.9	25.3	20.6	16.6	10.4	3.5	.8	.3	867.5
3	8465	2.4	6.3	17.4	27.2	19.7	14.9	7.0	2.6	.5	.1	684.4
4	8226	2.2	6.5	19.5	33.2	19.2	11.2	5.3	1.4	.1	0.0	510.6
5	7813	2.4	9.3	23.3	34.7	17.9	8.8	2.0	.3	0.0	0.0	355.1
6	7197	2.8	12.2	31.7	36.8	12.1	3.1	.3	0.0	0.0	0.0	207.7
7	7673	3.4	13.1	34.4	35.2	10.2	1.9	.1	0.0	0.0	0.0	175.5
8	7939	2.1	10.2	27.9	35.1	16.1	5.7	1.0	.2	0.0	0.0	282.0
9	7711	3.1	11.0	23.1	30.0	17.7	10.0	2.5	.8	.1	0.0	399.2
10	8055	1.7	6.6	16.7	26.4	21.5	15.5	6.9	2.5	.5	.1	693.6
11	8405	2.2	5.8	16.9	25.6	20.5	18.1	6.6	2.2	.4	.1	691.2
12	8796	1.9	5.0	14.6	25.3	20.6	17.8	9.5	2.9	.5	.1	791.7
13	96111	2.3	7.9	20.9	30.0	18.2	11.9	5.0	1.7	.3	.1	547.0

33991 -0--0 AR WALNUT RIDGE APT 3608 9056 WI= 83.4 SP= 88.9 SU= 31.4 FA= 45.3

MONTH	TOTAL OBS	MPH 0-3	4-12	13-15	16-18	19-24	25-31	32-38	39-46	POWER
1	3720	27.5	48.9	8.0	9.7	4.8	.9	.2	0.0	93.4
2	3382	28.2	51.7	7.5	7.0	4.6	.8	.1	0.0	81.7
3	3720	26.1	48.0	8.6	9.9	6.0	1.3	.1	0.0	103.6
4	3600	28.3	46.0	7.5	9.8	7.1	1.1	.1	0.0	104.9
5	3719	41.1	44.9	5.6	5.2	2.5	.6	.1	0.0	58.2
6	3599	43.0	45.9	4.7	3.9	2.3	.1	0.0	0.0	44.2
7	3718	50.0	43.7	3.3	2.3	.7	0.0	0.0	0.0	27.3
8	3720	51.5	44.1	2.4	1.7	.4	0.0	0.0	0.0	22.8
9	3600	53.7	39.4	3.4	2.4	1.0	0.0	0.0	0.0	28.1
10	3720	51.6	37.2	4.7	4.2	2.2	.2	0.0	0.0	43.2
11	3600	39.7	43.6	6.8	6.2	2.9	.6	.1	0.0	64.5
12	3720	31.6	49.4	7.3	7.1	4.0	.6	.1	0.0	75.2
13	43818	39.4	45.2	5.8	5.8	3.2	.5	.1	0.0	62.8

13814 43-67 AR BLYTHEVILLE AFB 3558 8957 WI= 87.6 SP= 95.5 SU= 31.1 FA= 47.6

MONTH	TOTAL OBS	KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	POWER
1	10416	13.6	27.5	27.5	17.2	3.8	.7	.1	0.0	0.0	0.0	85.2
2	9502	10.8	25.8	28.2	21.1	4.3	1.0	.2	.1	0.0	0.0	106.5
3	10416	9.5	23.8	30.7	22.4	5.5	1.0	0.0	0.0	0.0	0.0	108.1
4	10031	9.4	23.8	29.2	22.8	5.3	1.2	.1	0.0	0.0	0.0	111.9
5	9664	14.3	27.3	26.4	16.2	2.5	.2	0.0	0.0	0.0	0.0	66.6
6	8637	18.9	31.4	24.0	10.0	.7	.1	0.0	0.0	0.0	0.0	41.5
7	9064	22.7	31.6	21.9	4.6	.2	.1	0.0	0.0	0.0	0.0	26.5
8	9353	23.2	31.7	18.9	5.3	.2	0.0	0.0	0.0	0.0	0.0	25.2
9	9774	23.3	30.4	18.7	6.9	1.2	.2	0.0	0.0	0.0	0.0	36.4
10	10104	20.9	30.9	21.4	9.0	.9	.1	0.0	0.0	0.0	0.0	39.2
11	10497	16.3	28.0	25.2	14.7	2.6	.5	0.0	0.0	0.0	0.0	67.2
12	10164	15.2	27.9	28.5	16.6	2.5	.4	0.0	0.0	0.0	0.0	71.0
13	117622	16.4	28.2	25.1	14.1	2.5	.5	0.0	0.0	0.0	0.0	65.4

13964 -0--0 AR FT SMITH APT 3520 9422 WI= 79.6 SP= 100.7 SU= 53.2 FA= 57.4

MONTH	TOTAL OBS	KNOTS 1-3	4-10	11-21	22-27	28-40	POWER
1	7432	7.7	67.9	15.6	0.0	0.0	76.3
2	6762	7.5	66.1	18.7	.3	0.0	86.7
3	7434	6.5	61.7	26.7	.6	0.0	116.5
4	7195	7.3	64.3	23.2	.5	0.0	104.0
5	7435	9.1	67.2	17.5	.2	0.0	81.7
6	7197	10.2	71.0	12.2	0.0	0.0	62.2
7	7440	11.2	72.7	8.6	.1	0.0	51.6
8	7440	11.8	73.5	7.2	0.0	0.0	45.8
9	7199	11.1	72.1	8.6	0.0	0.0	50.2
10	7437	9.9	71.7	10.1	0.0	0.0	55.2
11	7198	10.4	65.9	13.9	0.0	0.0	65.8
12	7439	9.5	67.3	16.1	.1	0.0	75.7
13	87608	9.4	68.6	14.9	.2	0.0	73.2

13963 -0--0 AR LITTLE ROCK 3444 9214 WI= 81.9 SP= 90.8 SU= 50.7 FA= 57.7

MONTH	TOTAL OBS	MPH 0-3	4-7	8-12	13-19	19-24	25-31	32-38	39-46	POWER
1	7440	9.3	26.5	41.0	20.2	2.8	.1	0.0	0.0	82.5
2	6792	8.9	25.2	40.7	21.7	3.1	.5	0.0	0.0	91.7
3	7440	5.9	20.8	43.7	24.7	4.5	.4	0.0	0.0	105.4
4	7200	7.7	23.6	41.2	23.8	3.1	.5	0.0	0.0	96.1
5	7440	11.2	29.6	39.8	17.4	2.0	0.0	0.0	0.0	70.8
6	7200	12.5	32.6	39.5	14.6	.8	0.0	0.0	0.0	58.7
7	7440	13.7	37.0	39.1	9.8	.4	0.0	0.0	0.0	46.9
8	7440	16.5	35.4	37.9	9.7	.5	0.0	0.0	0.0	46.5
9	7200	16.9	34.6	37.0	10.9	.6	0.0	0.0	0.0	48.9
10	7440	19.2	33.3	35.0	11.6	.9	0.0	0.0	0.0	50.7
11	7200	12.9	31.0	36.9	15.6	2.4	.3	0.0	0.0	73.5
12	7440	9.8	30.6	40.4	16.9	2.0	.1	0.0	0.0	71.4
13	87672	12.1	30.0	39.3	16.4	1.9	.2	0.0	0.0	70.4

3930 49-67 AR JACKSONVILLE,LITTLE ROCK AFB 3455 9209 WI= 59.5 SP= 67.9 SU= 29.4 FA= 34.5

MONTH	TOTAL OBS	KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	POWER
1	13749	14.3	25.4	30.1	14.6	1.9	.2	0.0	0.0	0.0	0.0	61.5
2	12770	13.9	24.3	31.8	15.2	1.8	.4	.1	0.0	0.0	0.0	67.8
3	14133	10.9	22.5	35.1	18.8	3.3	.4	.1	0.0	0.0	0.0	85.3
4	13676	12.9	24.6	33.9	15.9	2.1	.5	0.0	0.0	0.0	0.0	70.9
5	13389	17.2	26.6	29.9	11.1	.9	.1	0.0	0.0	0.0	0.0	47.4
6	12958	18.0	28.5	28.3	7.4	.3	0.0	0.0	0.0	0.0	0.0	34.5
7	13391	20.0	30.4	25.4	5.3	.3	0.0	0.0	0.0	0.0	0.0	28.9
8	13389	22.2	29.1	22.4	4.3	.2	0.0	0.0	0.0	0.0	0.0	24.7
9	12958	21.5	28.6	23.9	5.7	.3	0.0	0.0	0.0	0.0	0.0	28.8
10	13392	22.3	25.3	22.2	6.1	.4	0.0	0.0	0.0	0.0	0.0	29.0
11	12958	17.3	26.1	26.7	10.5	1.1	.1	0.0	0.0	0.0	0.0	45.6
12	13395	15.5	25.3	29.3	11.0	1.3	.1	0.0	0.0	0.0	0.0	49.2
13	160139	17.1	26.4	28.3	10.5	1.2	.2	0.0	0.0	0.0	0.0	48.3

33988 49-54 AR PINE BLUFF,GRIDER FLD 3410 9156 WI= 91.2 SP= 80.5 SU= 33.5 FA= 50.9

MONTH	TOTAL OBS	KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	POWER
1	4464	14.3	15.5	40.4	18.2	6.2	.6	0.0	0.0	0.0	0.0	102.7
2	4056	15.4	17.8	39.9	16.6	4.3	.7	0.0	0.0	0.0	0.0	89.3
3	4464	12.3	16.5	41.5	18.5	5.1	1.0	0.0	0.0	0.0	0.0	102.6
4	4320	13.5	17.6	40.0	17.1	3.9	.6	0.0	0.0	0.0	0.0	87.3
5	4462	21.0	20.2	32.0	11.3	1.5	.1	0.0	0.0	0.0	0.0	51.7
6	4319	22.0	21.6	34.7	6.9	.7	.1	0.0	0.0	0.0	0.0	39.6
7	4464	24.7	24.2	30.7	4.5	.6	0.0	0.0	0.0	0.0	0.0	31.1
8	4463	27.2	21.3	29.2	4.0	.5	.1	0.0	0.0	0.0	0.0	29.7
9	4319	22.2	22.9	30.9	6.3	.7	0.0	0.0	0.0	0.0	0.0	35.3
10	5208	23.1	20.1	27.6	8.3	1.3	.4	0.0	0.0	0.0	0.0	45.8
11	5037	19.1	19.5	31.0	13.3	3.5	.5	0.0	0.0	0.0	0.0	71.6
12	5206	18.8	18.9	34.2	16.5	3.8	.5	0.0	0.0	0.0	0.0	81.5
13	54782	19.5	19.7	34.1	11.8	2.7	.4	0.0	0.0	0.0	0.0	64.3

13977 -0--0 AR TEXARKANA,WEBB FLD 3327 9400 WI= 95.9 SP= 107.1 SU= 55.4 FA= 66.2

MONTH	TOTAL OBS	MPH 1-3	4-12	13-24	25-31	32-46	POWER
1	7358	9.2	69.2	18.1	.6	.1	92.6
2	6835	7.3	68.4	21.7	.6	.2	108.1
3	8169	6.1	64.7	26.4	1.0	.2	128.1
4	7896	7.2	65.5	24.4	.8	.1	115.8
5	8177	9.5	72.5	14.3	.2	.1	77.3
6	7192	9.5	74.1	13.5	.1	0.0	69.1
7	8173	11.4	77.4	7.3	.1	0.0	48.2
8	8915	11.8	78.6	6.5	.1	.1	49.0
9	8627	10.7	76.0	10.2	.2	.1	52.3
10	8692	12.3	75.7	10.4	.1	.1	51.7
11	8573	11.2	71.1	14.7	.3	0.0	74.5
12	8910	8.5	70.3	17.1	.4	.1	87.0
13	97513	9.7	72.1	15.2	.4	.1	80.9

378 -0--0 AZ GRAND CANYON 3557 11209 WI= 36.6 SP= 62.6 SU= 40.7 FA= 56.8

MONTH	TOTAL OBS	MPH 1-3	4-7	8-12	13-18	19-24	25-31	32-38	39-46	47-54	55-63	64-75	POWER
1	465	32.3	38.5	17.4	6.7	2.2	0.0	0.0	0.0	0.0	0.0	0.	38.4
2	422	22.5	41.2	25.4	7.8	.7	.5	0.0	0.0	0.0	0.0	0.	43.2
3	465	21.3	40.4	23.7	12.0	1.1	.2	0.0	0.0	0.0	0.0	0.	49.6
4	426	14.5	38.2	31.7	12.4	1.9	1.3	0.0	0.0	0.0	0.0	0.	71.5
5	451	11.1	40.6	29.5	15.4	2.4	.2	0.0	0.0	0.0	0.0	0.	66.8
6	260	12.5	47.2	24.5	11.5	2.6	0.0	0.0	0.0	0.0	0.0	0.	55.4
7	371	19.9	45.6	25.9	6.7	.5	0.0	0.0	0.0	0.0	0.0	0.	35.8
8	450	19.5	52.0	22.0	5.0	.9	0.0	0.0	0.0	0.0	0.0	0.	31.7
9	414	15.9	45.4	23.9	11.8	1.9	.5	0.0	0.0	0.0	0.0	0.	57.7
10	414	17.4	33.4	30.2	10.4	2.7	.2	0.0	0.0	0.0	0.0	0.	58.6
11	341	19.9	37.2	28.2	9.1	1.8	.6	0.0	0.0	0.0	0.0	0.	54.0
12	368	26.1	44.3	19.0	6.0	.3	0.0	0.0	0.0	0.0	0.0	0.	28.1
13	4926	19.5	42.4	25.1	9.6	1.6	.3	0.0	0.0	0.0	0.0	0.	49.2

23194 43-54 AZ WINSLOW APT 3501 11044 WI= 95.8 SP= 187.7 SU= 103.9 FA= 66.8

MONTH	TOTAL OBS	KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	POWER
1	4463	20.2	26.5	21.9	10.8	3.7	2.3	.6	.1	0.0	0.0	104.3
2	4043	20.9	25.1	23.7	12.1	4.2	1.4	.8	.1	0.0	0.0	104.4
3	4464	13.1	22.2	25.6	17.7	7.0	5.6	2.0	.4	.1	0.0	232.3
4	4320	13.4	22.7	26.9	19.2	8.6	3.0	.9	.2	0.0	0.0	169.6
5	4456	12.9	23.3	27.0	19.2	7.8	2.9	.7	.2	0.0	0.0	161.2
6	4308	10.0	22.4	30.8	20.6	8.3	2.1	.3	0.0	0.0	0.0	141.0
7	4463	14.9	26.8	29.0	14.4	4.2	1.4	.2	0.0	0.0	0.0	93.4
8	4452	15.9	27.6	28.5	13.4	3.7	.7	.1	0.0	0.0	0.0	77.3
9	4315	17.4	29.8	29.5	10.4	2.7	.7	0.0	0.0	0.0	0.0	63.8
10	4464	16.2	30.4	27.3	9.5	2.7	1.8	.2	.1	0.0	0.0	73.5
11	4312	18.9	31.3	22.3	7.7	2.5	.9	.3	0.0	0.0	0.0	63.1
12	4458	19.3	27.1	29.5	8.7	3.3	1.2	.4	.1	0.0	0.0	78.7
13	52519	18.9	25.4	25.1	13.6	4.9	1.9	.5	.1	0.0	0.0	111.7

3103 48-72 AZ FLAGSTAFF,PULLIAM APT 3509 11140 WI= 70.6 SP= 95.1 SU= 53.5 FA= 59.6

MONTH	TOTAL OBS	KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	POWER
1	10974	15.2	24.8	25.5	15.8	2.9	.4	0.0	0.0	0.0	0.0	71.8
2	9921	16.3	24.3	25.1	15.7	2.9	.5	0.0	0.0	0.0	0.0	70.5
3	11017	12.6	21.7	25.8	22.4	4.0	.8	.1	0.0	0.0	0.0	96.7
4	10575	12.2	21.5	26.0	23.3	4.1	.7	0.0	0.0	0.0	0.0	95.6
5	10982	13.1	21.2	24.8	21.5	4.0	.7	.1	0.0	0.0	0.0	93.1
6	10774	13.5	20.9	24.1	21.6	3.7	.5	0.0	0.0	0.0	0.0	86.4
7	10609	16.1	27.9	25.4	10.1	.7	0.0	0.0	0.0	0.0	0.0	40.8
8	10947	16.7	29.0	23.4	7.5	.5	0.0	0.0	0.0	0.0	0.0	33.4
9	10479	17.2	24.0	22.2	12.9	1.5	.3	0.0	0.0	0.0	0.0	52.8
10	10786	17.2	23.1	23.7	13.6	1.9	.2	0.0	0.0	0.0	0.0	56.0
11	10953	16.7	25.1	24.0	14.7	3.0	.6	0.0	0.0	0.0	0.0	69.9
12	11206	15.6	25.8	25.7	14.7	3.0	.5	0.0	0.0	0.0	0.0	69.5
13	128950	15.3	24.2	24.7	16.2	2.7	.4	0.0	0.0	0.0	0.0	69.0