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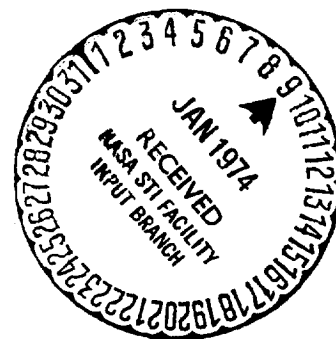
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DISTRIBUTIONS OF EIGHT METEOROLOGICAL VARIABLES AT CAPE KENNEDY, FLORIDA AND VANDENBERG AIR FORCE BASE, CALIFORNIA

By M. E. Graves, R. L. King, and S. Clark Brown
Aero-Astrodynamics Laboratory

November 19, 1973



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| 16. ABSTRACT Extreme values, median values, and nine percentile values are tabulated for eight meteorological variables at Cape Kennedy, Florida and at Vandenberg Air Force Base, California. The variables are temperature, dew point temperature, relative humidity, station pressure, water vapor pressure, water vapor mixing ratio, density, and enthalpy. For each month eight hours are tabulated, namely, 0100, 0400, 0700, 1000, 1300, 1600, 1900, and 2200 local time. These statistics are intended for general use for the Space Shuttle design trade-off analysis and are not to be used for specific design values. Appropriate documents, e.g., Appendix 10.10, Volume X, Space Shuttle Design Requirements, JSC Doc. No. 07700 and NASA TM X-64757 shall be used for specific natural design requirements data for the Space Shuttle. | | | | | |
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DISTRIBUTIONS OF EIGHT METEOROLOGICAL VARIABLES AT CAPE KENNEDY, FLORIDA AND VANDENBERG AIR FORCE BASE, CALIFORNIA

I. INTRODUCTION

This document supersedes NASA TM X-53118 "Distribution of Surface Meteorological Data For Cape Kennedy, Florida," dated August 28, 1964.

The purpose of this report is to provide empirical distributions of several atmospheric parameters at the two Space Shuttle launch sites. It is expected that these statistics will be applicable to a number of natural environment related launch vehicle problems. However, each problem requires careful consideration to ensure the applicability of the statistics. For example, a design or operational constraint or hazardous condition might require the joint occurrence of two or more of the natural environment parameters — perhaps high temperature and high pressure at the same time. Since these parameters are not independent, no inferences can be made about the simultaneous occurrence. Another problem might require a mean temperature over a long time period — perhaps it takes 15 to 30 days for the solid rocket propellant to attain ambient air temperature. Since these statistics apply to a specific hour and month, they are not appropriate for such a problem.

Any small differences between extreme values listed here and those found in NASA TM X-64757, dated July 5, 1973, can be explained by different periods of record and different observation times. It is not intended that these statistics replace any current design values.

II. DEFINITIONS AND COMMENTS

Tables 1 through 8 in this study are based upon recorded observations of temperature, dew point temperature, relative humidity, and station pressure at Cape Kennedy (28°29'N, 80°33'W) from 1957 to 1971, with minor gaps.

Tables 9 through 16 were compiled in a similar way for Vandenberg Air Force Base (34°44'N, 120°34'W) from an uninterrupted record dating from 1959 to 1970.

The definition of percentile value used in this study is as follows. The Pth percentile value equals the $\frac{P(N+1)}{100}$ th of N observations, and P is allowed to be nonintegral. Thus, P is identical to cumulative frequency level, and the levels represented in the tables correspond to percentiles of ± 1 , ± 2 , and ± 3 standard deviations from the center of a Gaussian distribution. The median value and the extremes are also tabulated. However, the -3 standard deviation percentile value cannot be calculated because of an inadequate number of cases.

Since the four observed variables have notable spikes in their frequency distributions, with but few occurrences between these preferred values, the data are necessarily smoothed before selecting percentile values. The method of smoothing in each case is to spread identical values evenly across an interval which extends halfway to the magnitudes of the adjacent parameter values. The resulting bias of this procedure is toward the wings, giving an underestimate at times of the lower percentile values and an occasional overestimate of the higher percentile values. However, the systematic error incurred is of minor consequence.

A. Temperature

The temperature is reported in whole degrees Fahrenheit. Its percentile values are presented in degrees Celsius in Tables 1 and 9 for Cape Kennedy and Vandenberg, respectively.

Although only 6 degrees apart in latitude, the two sites have appreciably different climatic regimes. Cape Kennedy is subject to frontal passages from November to March, but its temperature is largely controlled by prevailing southeasterlies with their long oceanic trajectories over warm subtropical ocean waters and the Gulf Stream. Vandenberg, on the other hand, is affected by trough passages with their attendant precipitation occurrences, and with fewer incursions of polar air. The cold California current nearby is a moderator of climate in all seasons [1].

The diurnal cycle in temperature is quite prominent in the tables and the annual cycle is also evident, with important differences between the stations. The resulting temperature regime at Cape Kennedy finds the monthly median values ranging over an 11°C span and the annual absolute range attaining 40°C.

However, the highest temperature of just 35.6°C registered in June and July is indicative of maritime control in summer. In contrast, Vandenberg has monthly median values ranging over an interval of but 4°C, and its annual peak is typically attained in late summer or early fall when the cold current's effect is lessened somewhat by a persistent offshore wind.

As is true for all the tabulated variables, the absolute minima and maxima pertain to the hours specified. They are exceeded at times during the intervening hours.

B. Dew Point Temperature

The dew point temperature is reported in whole degrees Fahrenheit. Its percentile values are presented in degrees Celsius in Tables 2 and 10 for Cape Kennedy and Vandenberg, respectively.

To a remarkable extent, the annual march of dew point temperature at each station follows that for temperature. Both sites are subject to periods outside of summer when this variable falls to -10°C to -15°C, but for different reasons. At Cape Kennedy, such dry spells are post-cold-frontal, whereas at Vandenberg they are usually caused by Santa Ana winds blowing toward the sea.

C. Relative Humidity

The relative humidity is reported in whole percent. Its percentile values are presented in these units in Tables 3 and 11 for Cape Kennedy and Vandenberg, respectively.

The annual range of median values is about 15 percent at each site, with Vandenberg running a few percent higher in spring and summer because of persistent morning fogs. Saturation may occur in any month, and early morning values are commonly in the upper eighties or nineties at both sites. An excursion of relative humidity below 10 percent was observed at Vandenberg in November. This did not happen at Cape Kennedy during the period of record, but it was recorded there once in March [2].

D. Station Pressure

The station pressure is reported in inches of mercury to tenths of an inch. Its percentile values are presented in newtons per square meter divided by 100, or millibars, in Tables 4 and 12 for Cape Kennedy and Vandenberg, respectively.

Inspection of the median values at each hour discloses the expected double diurnal cycle in pressure at both stations, with peaks at 1000 and 2200 and valleys at 0400 and 1600. The magnitude of this variation is 100 to 200 newtons per square meter.

A systematic pressure difference of about 1500 newtons per square meter exists between the two stations. Vandenberg, with its barograph at an elevation of 378 feet, has the lower station pressure; the Cape Kennedy barograph is at 16 feet.

The annual march of pressure is largely explained by the positioning and intensity of semipermanent centers of action such as the Bermuda High and the North Pacific Anticyclone. Major fluctuations of the order of a day are largely caused by migratory highs, lows, ridges, troughs, and (at Cape Kennedy) tropical depressions. No close passages of hurricanes are included in these statistics.

E. Water Vapor Pressure

The water vapor pressure is computed from the relative humidity and the Goff-Gratch formulation [3] for saturated water vapor pressure. Its percentile values are given in newtons per square meter divided by 100, or millibars, in Tables 5 and 13 for Cape Kennedy and Vandenberg, respectively.

Median values of this variable at Cape Kennedy are about 150 percent of the median values at Vandenberg in winter and about 200 percent of the median values at Vandenberg in the other seasons. This agrees with the appreciably greater temperatures at Cape Kennedy which indicate a superior capacity to hold the water vapor which is usually abundantly available at either location.

A strong annual cycle and a weak diurnal cycle are present in this variable at both sites, in phase with the cycles in temperature.

F. Water Vapor Mixing Ratio

The water vapor mixing ratio is calculated from the partial pressure of dry air and the water vapor pressure. Its percentile values are given in grams per kilogram in Tables 6 and 14 for Cape Kennedy and Vandenberg, respectively.

The comments on comparative values and cycles of water vapor pressure apply equally well to the water vapor mixing ratio.

G. Density

The density is computed from the reported values of pressure and virtual temperature. Its percentile values are listed in grams per cubic meter in Tables 7 and 15 for Cape Kennedy and Vandenberg, respectively.

Lower temperatures at Vandenberg cause greater densities at this station than at Cape Kennedy, but the difference is largely balanced by the lower pressures at Vandenberg.

Annual and diurnal cycles are evident in density. These cycles have an inverse relationship to the temperature cycles.

H. Enthalpy

Since heat transferred at constant pressure equals enthalpy change, the enthalpy is indicative of the heat content. It is computed from the virtual temperature, the water vapor mixing ratio, and the specific heat at constant volume for the mixture, in accordance with equation 9.11 in Jordan and Priester [4]. Its percentile values are given in joules per gram in Tables 8 and 16 for Cape Kennedy and Vandenberg, respectively.

The annual and diurnal variations of enthalpy are in accordance with the temperature cycles.

TABLE 1. CAPE KENNEDY TEMPERATURE

| MONTH | TIME | NUM OBS | ABS ERR | TEMPERATURE (C) | | | | | | | | | | | | ABS* MAX |
|---------|----------|------------|------------|-----------------|-------|-------|-------|--------|--------|------------|--------|--------|--------|--------|--------|-------------|
| | | | | 0.125 | 1.000 | 2.250 | 5.000 | 10.000 | 15.000 | PERCENTILE | 20.000 | 25.000 | 30.000 | 35.000 | 40.000 | |
| JANUARY | 0100 | 341 | -0.6 | 0.0 | 2.7 | 5.5 | 8.2 | 14.0 | 18.5 | 20.0 | 20.5 | 21.1 | 22.0 | 22.2 | | |
| | 0300 | 341 | -2.2 | 0.3 | 2.1 | 3.4 | 7.0 | 14.0 | 17.3 | 19.3 | 20.4 | 21.0 | 21.6 | 21.7 | | |
| | 0700 | 341 | -2.2 | -0.0 | 1.0 | 3.0 | 6.5 | 13.9 | 17.5 | 19.5 | 20.2 | 20.6 | 21.0 | 21.1 | | |
| | 1000 | 341 | 0.6 | 2.9 | 5.1 | 7.2 | 12.2 | 17.9 | 21.5 | 22.8 | 23.2 | 23.3 | 23.8 | 23.9 | | |
| | 1300 | 341 | 3.9 | 5.0 | 7.3 | 10.0 | 14.3 | 20.0 | 23.9 | 25.7 | 26.1 | 26.9 | 27.1 | 27.2 | | |
| | 1600 | 341 | 5.0 | 7.0 | 8.6 | 10.9 | 14.1 | 19.2 | 23.9 | 24.6 | 25.6 | 26.1 | 26.9 | 28.9 | | |
| | 1900 | 341 | 1.1 | 2.3 | 4.1 | 6.1 | 10.4 | 15.9 | 19.5 | 20.6 | 21.8 | 22.9 | 24.1 | 24.4 | | |
| | 2200 | 341 | -1.1 | 0.3 | 1.4 | 3.7 | 8.5 | 15.0 | 18.9 | 20.4 | 21.3 | 21.8 | 22.1 | 22.2 | | |
| | FEBRUARY | 0100 | 310 | -1.7 | 1.2 | 2.1 | 3.6 | 8.1 | 14.7 | 18.9 | 20.9 | 21.7 | 22.1 | 22.7 | 22.8 | |
| | | 0400 | 310 | 0.0 | 1.1 | 1.7 | 3.8 | 7.3 | 14.3 | 18.5 | 19.5 | 20.4 | 20.8 | 21.0 | 21.1 | |
| 0700 | | 310 | -1.7 | -0.3 | 1.2 | 3.5 | 6.5 | 14.1 | 18.4 | 19.4 | 20.2 | 20.7 | 21.0 | 21.1 | | |
| 1000 | | 310 | 2.2 | 4.2 | 5.5 | 7.3 | 12.2 | 18.2 | 22.1 | 24.3 | 24.8 | 25.1 | 25.5 | 25.6 | | |
| 1300 | | 310 | 5.6 | 7.6 | 8.6 | 10.1 | 14.5 | 19.6 | 24.7 | 26.2 | 26.6 | 27.7 | 29.1 | 29.4 | | |
| 1600 | | 310 | 6.1 | 8.5 | 9.3 | 10.9 | 14.4 | 19.1 | 23.8 | 25.6 | 27.1 | 28.3 | 29.2 | 29.4 | | |
| 1900 | | 310 | 4.4 | 5.3 | 6.4 | 7.6 | 11.0 | 16.3 | 20.5 | 22.2 | 23.3 | 24.2 | 24.8 | 25.0 | | |
| 2200 | | 310 | 1.7 | 3.0 | 3.9 | 5.1 | 8.7 | 15.1 | 19.7 | 21.6 | 22.1 | 22.3 | 23.1 | 23.3 | | |
| MARCH | | 0100 | 341 | -0.6 | 4.9 | 6.2 | 7.4 | 10.5 | 16.1 | 19.8 | 20.9 | 21.3 | 22.3 | 23.6 | 23.9 | |
| | | 0400 | 341 | 2.8 | 4.3 | 5.1 | 6.3 | 9.3 | 15.4 | 19.2 | 20.7 | 21.1 | 21.6 | 23.0 | 23.3 | |
| | 0700 | 341 | -1.1 | 3.0 | 4.4 | 5.6 | 8.3 | 13.0 | 17.4 | 18.8 | 20.0 | 20.0 | 23.3 | 23.9 | | |
| | 1000 | 341 | 5.0 | 6.6 | 9.4 | 11.2 | 15.3 | 20.2 | 23.3 | 24.6 | 25.3 | 26.1 | 26.1 | 26.1 | | |
| | 1300 | 341 | 8.9 | 9.9 | 11.3 | 13.9 | 16.8 | 21.3 | 25.0 | 26.9 | 28.6 | 29.2 | 29.8 | 30.0 | | |
| | 1600 | 341 | 10.6 | 11.1 | 11.9 | 13.6 | 16.3 | 20.6 | 23.8 | 26.4 | 28.1 | 29.1 | 30.4 | 30.6 | | |
| | 1900 | 341 | 7.2 | 8.0 | 8.9 | 10.4 | 13.5 | 17.9 | 20.8 | 22.7 | 23.8 | 24.6 | 24.9 | 25.0 | | |
| | 2200 | 341 | 1.7 | 3.3 | 4.7 | 8.2 | 11.4 | 17.2 | 20.3 | 21.4 | 22.4 | 23.3 | 24.2 | 24.4 | | |
| | APRIL | 0100 | 316 | 8.9 | 9.2 | 11.2 | 13.3 | 16.3 | 20.4 | 21.8 | 22.2 | 22.9 | 23.3 | 24.2 | 24.4 | |
| | | 0400 | 316 | 8.3 | 8.9 | 10.8 | 12.6 | 15.6 | 19.5 | 21.6 | 22.1 | 22.7 | 23.2 | 23.8 | 23.9 | |
| 0700 | | 315 | 8.3 | 11.1 | 12.2 | 14.0 | 16.6 | 20.2 | 22.0 | 23.1 | 23.5 | 24.0 | 24.1 | 24.1 | | |
| 1000 | | 315 | 13.3 | 16.1 | 17.2 | 18.9 | 21.5 | 24.0 | 25.6 | 26.6 | 27.0 | 27.7 | 28.2 | 28.3 | | |
| 1300 | | 315 | 14.4 | 17.6 | 18.0 | 19.3 | 22.1 | 25.0 | 27.2 | 29.1 | 30.1 | 31.0 | 32.5 | 32.8 | | |
| 1600 | | 315 | 15.0 | 17.2 | 18.1 | 19.2 | 21.5 | 24.2 | 26.3 | 28.6 | 30.3 | 31.8 | 33.6 | 33.9 | | |
| 1900 | | 315 | 13.3 | 14.2 | 15.4 | 16.6 | 19.1 | 21.5 | 23.1 | 24.5 | 26.3 | 27.3 | 28.6 | 28.9 | | |
| 2200 | | 315 | 9.4 | 10.7 | 12.5 | 14.2 | 17.6 | 20.9 | 22.2 | 23.2 | 23.8 | 24.4 | 25.4 | 25.6 | | |

* For period of record.

TABLE 1. (Continued)

| HOUR | NUM OBS | ABS MIN | 0.135 | 1.000 | 2.280 | 5.000 | TEMPERATURE (C) | | | | | | | | | | ABS MAX |
|------|------------|------------|-------|-------|-------|-------|-----------------|--------|--------|--------|--------|--------|--------|------|------|--|------------|
| | | | | | | | 15.900 | 50.000 | 84.100 | 95.000 | 97.720 | 99.000 | 99.865 | | | | |
| MAY | 0100 | 310 | 8.3 | 13.0 | 14.0 | 16.2 | 19.0 | 20.8 | 23.5 | 22.7 | 22.5 | 24.1 | 24.8 | 25.0 | 25.0 | | |
| | 0400 | 310 | 11.7 | 12.6 | 13.6 | 15.2 | 17.9 | 21.5 | 23.0 | 23.8 | 24.3 | 24.6 | 24.9 | 25.0 | | | |
| | 0700 | 310 | 14.4 | 15.7 | 16.6 | 18.4 | 20.9 | 23.2 | 24.8 | 25.5 | 25.6 | 26.2 | 26.6 | 26.7 | | | |
| | 1000 | 310 | 19.4 | 20.7 | 21.4 | 23.6 | 24.7 | 26.2 | 27.8 | 29.2 | 29.6 | 29.8 | 30.9 | 31.1 | | | |
| | 1300 | 309 | 18.9 | 20.9 | 21.7 | 23.6 | 25.0 | 26.9 | 29.1 | 30.6 | 31.5 | 32.0 | 34.0 | 34.4 | | | |
| | 1600 | 310 | 19.4 | 20.1 | 20.7 | 21.7 | 24.2 | 26.1 | 27.7 | 29.4 | 29.9 | 30.8 | 33.4 | 33.9 | | | |
| | 1900 | 310 | 18.3 | 19.4 | 19.9 | 20.7 | 22.1 | 23.9 | 25.3 | 26.1 | 26.5 | 27.0 | 29.0 | 29.4 | | | |
| | 2200 | 310 | 15.0 | 15.6 | 16.6 | 18.1 | 20.9 | 22.9 | 24.3 | 25.2 | 25.5 | 25.8 | 26.0 | 26.1 | | | |
| | JUNE | 0100 | 270 | 17.2 | 18.3 | 20.1 | 20.8 | 21.4 | 22.8 | 24.2 | 24.8 | 25.9 | 25.5 | 26.9 | 27.2 | | |
| | | 0400 | 270 | 13.9 | 17.4 | 18.0 | 18.8 | 20.6 | 21.8 | 23.7 | 24.0 | 25.0 | 24.8 | 25.9 | 26.1 | | |
| 0700 | | 270 | 20.6 | 21.1 | 21.9 | 22.4 | 23.2 | 24.8 | 25.9 | 26.9 | 27.5 | 28.2 | 29.2 | 29.4 | | | |
| 1000 | | 270 | 22.2 | 22.9 | 24.0 | 25.4 | 26.3 | 28.0 | 29.5 | 30.4 | 30.7 | 31.2 | 32.0 | 32.2 | | | |
| 1300 | | 270 | 21.1 | 22.5 | 23.2 | 24.5 | 26.5 | 28.5 | 30.3 | 31.6 | 32.4 | 33.3 | 34.2 | 34.4 | | | |
| 1600 | | 270 | 20.0 | 21.0 | 21.9 | 22.9 | 25.3 | 27.7 | 29.8 | 30.8 | 32.1 | 34.4 | 35.4 | 35.6 | | | |
| 1900 | | 270 | 21.1 | 21.4 | 22.0 | 22.7 | 23.5 | 25.6 | 27.0 | 28.0 | 28.3 | 30.1 | 32.4 | 32.8 | | | |
| 2200 | | 270 | 18.3 | 20.9 | 21.1 | 21.4 | 22.7 | 23.8 | 25.7 | 26.6 | 27.1 | 27.5 | 28.2 | 28.3 | | | |
| JULY | | 0100 | 279 | 18.3 | 19.1 | 20.9 | 20.6 | 22.2 | 23.3 | 25.8 | 26.3 | 25.9 | 26.7 | 28.0 | 28.3 | | |
| | | 0400 | 279 | 18.9 | 19.6 | 20.3 | 21.0 | 20.4 | 23.7 | 25.2 | 25.7 | 25.2 | 26.2 | 27.0 | 27.2 | | |
| | 0700 | 279 | 21.7 | 21.9 | 23.2 | 23.8 | 24.5 | 25.9 | 27.0 | 27.7 | 28.4 | 28.9 | 28.9 | 28.9 | | | |
| | 1000 | 279 | 25.0 | 25.4 | 26.0 | 26.8 | 28.3 | 29.6 | 30.5 | 31.4 | 32.0 | 32.4 | 32.7 | 32.8 | | | |
| | 1300 | 278 | 22.2 | 23.4 | 24.0 | 25.6 | 28.8 | 30.0 | 32.0 | 32.7 | 33.1 | 33.7 | 35.3 | 35.6 | | | |
| | 1600 | 278 | 21.1 | 21.3 | 21.9 | 22.5 | 26.9 | 29.5 | 30.4 | 31.5 | 32.1 | 32.6 | 32.7 | 32.8 | | | |
| | 1900 | 278 | 21.1 | 21.8 | 22.6 | 23.2 | 24.5 | 26.8 | 27.8 | 29.0 | 29.4 | 29.9 | 29.9 | 30.0 | | | |
| | 2200 | 278 | 20.0 | 21.3 | 21.8 | 22.2 | 23.2 | 24.9 | 26.7 | 27.2 | 28.1 | 28.6 | 28.8 | 28.9 | | | |
| | AUGUST | 0100 | 278 | 19.4 | 20.2 | 20.8 | 21.8 | 22.6 | 24.1 | 25.4 | 26.3 | 26.8 | 27.1 | 27.1 | 27.2 | | |
| | | 0400 | 278 | 18.3 | 19.6 | 20.1 | 20.8 | 22.1 | 23.4 | 25.0 | 25.6 | 25.2 | 26.7 | 27.0 | 27.2 | | |
| 0700 | | 279 | 20.6 | 21.5 | 22.2 | 22.8 | 23.8 | 25.1 | 25.9 | 26.9 | 27.5 | 27.8 | 27.8 | 27.8 | | | |
| 1000 | | 279 | 23.3 | 23.9 | 25.3 | 26.5 | 27.9 | 29.3 | 30.4 | 30.9 | 31.1 | 31.1 | 31.1 | 31.1 | | | |
| 1300 | | 279 | 23.9 | 24.0 | 24.8 | 26.0 | 28.2 | 30.2 | 31.2 | 32.4 | 33.0 | 33.7 | 34.3 | 34.4 | | | |
| 1600 | | 279 | 21.1 | 22.0 | 22.7 | 23.7 | 25.8 | 28.8 | 30.4 | 31.0 | 31.4 | 32.2 | 33.1 | 33.3 | | | |
| 1900 | | 279 | 22.2 | 22.3 | 22.7 | 23.2 | 24.9 | 26.2 | 27.5 | 28.2 | 28.4 | 29.0 | 30.3 | 30.6 | | | |
| 2200 | | 279 | 20.6 | 20.9 | 22.1 | 22.4 | 23.6 | 25.1 | 26.0 | 26.0 | 27.5 | 27.8 | 27.8 | 27.8 | | | |

TABLE 1. (Concluded)

| HOUR | NUM OBS | ABS MIN | TEMPERATURE (C) | | | | | | | | | | | ABS MAX | |
|-----------|------------|------------|-----------------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|------------|------|
| | | | 0.135 | 1.000 | 2.280 | 5.000 | 15.000 | 50.000 | 80.000 | 95.000 | 97.500 | 99.000 | 99.855 | | |
| SEPTEMBER | | | | | | | | | | | | | | | |
| 0100 | 270 | 18.5 | 19.1 | 20.3 | 21.4 | 22.0 | 24.4 | 25.2 | 27.1 | 27.2 | 27.2 | 27.2 | 27.2 | 27.2 | 27.2 |
| 0400 | 270 | 17.8 | 17.0 | 18.7 | 19.6 | 21.7 | 23.7 | 25.0 | 26.1 | 26.0 | 27.0 | 27.0 | 27.0 | 27.0 | 27.0 |
| 0700 | 270 | 20.0 | 20.2 | 20.5 | 21.5 | 23.0 | 24.3 | 25.1 | 27.0 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 |
| 1000 | 270 | 20.0 | 22.0 | 23.2 | 25.2 | 27.1 | 28.3 | 29.3 | 30.3 | 30.7 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 |
| 1300 | 269 | 21.1 | 23.5 | 24.2 | 25.2 | 27.3 | 29.2 | 31.4 | 31.3 | 31.6 | 32.1 | 32.1 | 32.1 | 32.1 | 32.1 |
| 1600 | 270 | 21.1 | 21.5 | 22.2 | 23.8 | 26.5 | 28.0 | 29.6 | 30.3 | 30.8 | 31.3 | 31.3 | 31.3 | 31.3 | 31.3 |
| 1900 | 270 | 20.6 | 21.9 | 22.4 | 23.1 | 24.1 | 25.6 | 27.0 | 27.5 | 27.6 | 27.7 | 28.2 | 28.2 | 28.2 | 28.2 |
| 2200 | 270 | 18.3 | 20.2 | 20.9 | 22.0 | 23.5 | 24.8 | 26.3 | 27.3 | 27.5 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 |
| OCTOBER | | | | | | | | | | | | | | | |
| 0100 | 279 | 10.6 | 12.1 | 14.4 | 15.6 | 18.3 | 22.7 | 25.1 | 26.0 | 26.3 | 26.9 | 26.9 | 26.9 | 26.9 | 26.9 |
| 0400 | 279 | 10.6 | 11.6 | 13.8 | 14.6 | 18.0 | 22.3 | 24.8 | 25.6 | 26.0 | 26.1 | 26.6 | 26.6 | 26.6 | 26.6 |
| 0700 | 279 | 11.1 | 12.0 | 12.7 | 14.8 | 18.1 | 22.3 | 24.9 | 25.7 | 26.1 | 26.7 | 27.1 | 27.1 | 27.1 | 27.1 |
| 1000 | 279 | 15.6 | 17.1 | 18.7 | 20.7 | 22.7 | 26.3 | 28.1 | 29.1 | 29.7 | 30.3 | 30.9 | 31.1 | 31.1 | 31.1 |
| 1300 | 279 | 17.8 | 18.8 | 20.8 | 21.8 | 24.3 | 27.3 | 29.0 | 30.0 | 30.8 | 31.8 | 32.6 | 32.6 | 32.6 | 32.6 |
| 1600 | 279 | 17.8 | 18.7 | 20.2 | 21.4 | 22.9 | 25.9 | 28.0 | 29.0 | 29.7 | 30.3 | 30.9 | 30.9 | 30.9 | 30.9 |
| 1900 | 279 | 10.0 | 14.3 | 15.9 | 17.7 | 20.7 | 23.8 | 25.7 | 26.8 | 27.5 | 27.9 | 28.2 | 28.2 | 28.2 | 28.2 |
| 2200 | 279 | 11.7 | 13.5 | 14.4 | 15.9 | 18.9 | 23.1 | 25.5 | 26.2 | 26.8 | 27.3 | 27.7 | 27.7 | 27.7 | 27.7 |
| NOVEMBER | | | | | | | | | | | | | | | |
| 0100 | 282 | 3.3 | 4.4 | 6.2 | 8.1 | 12.3 | 19.1 | 22.1 | 23.0 | 23.3 | 23.9 | 23.9 | 23.9 | 23.9 | 23.9 |
| 0400 | 282 | 3.9 | 4.9 | 6.2 | 7.9 | 11.7 | 18.5 | 21.8 | 22.8 | 23.2 | 23.5 | 24.2 | 24.2 | 24.2 | 24.2 |
| 0700 | 282 | 3.3 | 3.9 | 5.1 | 7.7 | 11.4 | 18.2 | 21.7 | 22.8 | 23.1 | 23.3 | 23.8 | 23.8 | 23.8 | 23.8 |
| 1000 | 282 | 6.1 | 7.2 | 9.5 | 13.5 | 18.2 | 22.5 | 24.7 | 26.0 | 26.6 | 27.3 | 27.7 | 27.7 | 27.7 | 27.7 |
| 1300 | 282 | 8.9 | 11.1 | 13.3 | 15.6 | 20.1 | 23.6 | 26.1 | 27.4 | 27.9 | 28.7 | 29.3 | 29.3 | 29.3 | 29.3 |
| 1600 | 282 | 8.9 | 11.7 | 13.6 | 15.5 | 19.1 | 22.9 | 25.2 | 26.6 | 27.4 | 28.1 | 29.2 | 29.2 | 29.2 | 29.2 |
| 1900 | 282 | 2.8 | 4.9 | 5.6 | 9.3 | 14.1 | 19.8 | 21.8 | 23.3 | 23.6 | 22.2 | 25.5 | 25.5 | 25.5 | 25.5 |
| 2200 | 282 | 1.7 | 2.1 | 6.2 | 6.6 | 11.6 | 18.1 | 22.0 | 21.2 | 23.1 | 22.5 | 24.1 | 24.1 | 24.1 | 24.1 |
| DECEMBER | | | | | | | | | | | | | | | |
| 0100 | 335 | -0.6 | 1.2 | 2.0 | 4.4 | 7.9 | 15.5 | 19.5 | 21.2 | 22.2 | 22.7 | 23.2 | 23.2 | 23.2 | 23.2 |
| 0400 | 335 | -3.3 | -0.3 | 1.2 | 4.6 | 7.5 | 14.7 | 18.9 | 20.6 | 21.4 | 22.0 | 22.1 | 22.1 | 22.1 | 22.1 |
| 0700 | 336 | -3.9 | -2.4 | 1.6 | 3.9 | 7.2 | 13.7 | 18.9 | 20.6 | 21.3 | 22.0 | 22.6 | 22.6 | 22.6 | 22.6 |
| 1000 | 336 | 1.1 | 4.6 | 6.0 | 8.8 | 13.5 | 19.1 | 23.0 | 24.3 | 24.9 | 25.5 | 25.5 | 25.5 | 25.5 | 25.5 |
| 1300 | 336 | 4.4 | 8.4 | 9.2 | 12.1 | 15.7 | 21.1 | 24.2 | 25.9 | 26.8 | 27.3 | 28.1 | 28.1 | 28.1 | 28.1 |
| 1600 | 336 | 3.9 | 8.6 | 10.3 | 12.2 | 15.1 | 20.0 | 23.4 | 24.9 | 25.8 | 26.9 | 28.6 | 28.6 | 28.6 | 28.6 |
| 1900 | 335 | 1.7 | 2.8 | 4.0 | 7.0 | 10.1 | 16.9 | 20.5 | 22.4 | 22.8 | 23.0 | 23.2 | 23.2 | 23.2 | 23.2 |
| 2200 | 335 | -1.1 | 1.3 | 2.4 | 4.3 | 8.8 | 16.2 | 19.8 | 21.7 | 22.5 | 22.8 | 23.2 | 23.2 | 23.2 | 23.2 |

// *END

TABLE 2. CAPE KENNEDY DEW POINT TEMPERATURE

| HOUR | NUM OBS | ABS MIN | DEW POINT TEMPERATURE (C) | | | | | | | | | | ABS* MAX |
|----------|------------|------------|---------------------------|-------|-------|-------|--------|--------|--------|--------|--------|--------|-------------|
| | | | 0.135 | 1.000 | 2.280 | 5.000 | 15.900 | 50.000 | 84.100 | 95.000 | 97.720 | 99.000 | |
| JANUARY | | | | | | | | | | | | | |
| 0100 | 341 | -4.4 | -4.0 | -2.2 | 0.7 | 5.7 | 13.0 | 17.3 | 18.8 | 19.7 | 20.4 | 20.5 | 20.6 |
| 0400 | 341 | -8.3 | -4.2 | -2.6 | 0.4 | 5.1 | 12.5 | 16.8 | 18.8 | 19.5 | 20.2 | 20.5 | 20.6 |
| 0700 | 341 | -8.3 | -5.7 | -4.3 | -0.7 | 4.6 | 12.2 | 16.4 | 18.4 | 19.3 | 19.6 | 20.8 | 21.0 |
| 1000 | 341 | -10.0 | -7.3 | -3.9 | -1.5 | 4.2 | 12.7 | 16.0 | 19.6 | 18.8 | 18.5 | 20.7 | 21.1 |
| 1300 | 341 | -12.8 | -9.6 | -5.7 | -1.9 | 4.5 | 12.6 | 16.0 | 17.1 | 18.8 | 18.4 | 21.2 | 21.7 |
| 1600 | 341 | -11.1 | -8.0 | -4.1 | -1.7 | 4.4 | 13.0 | 16.0 | 17.1 | 18.9 | 18.5 | 20.7 | 21.1 |
| 1900 | 341 | -8.9 | -4.1 | -1.8 | 0.4 | 6.0 | 13.3 | 17.7 | 19.2 | 20.0 | 20.5 | 20.5 | 20.6 |
| 2200 | 341 | -8.3 | -3.6 | -2.6 | 0.5 | 5.1 | 13.1 | 17.6 | 19.3 | 20.0 | 20.5 | 20.5 | 20.6 |
| FEBRUARY | | | | | | | | | | | | | |
| 0100 | 310 | -5.6 | -4.0 | -2.4 | 0.1 | 5.0 | 12.3 | 17.6 | 19.4 | 20.0 | 20.3 | 20.5 | 20.6 |
| 0400 | 310 | -8.9 | -7.7 | -2.8 | -0.0 | 4.4 | 12.2 | 17.2 | 18.8 | 19.5 | 20.1 | 20.5 | 20.6 |
| 0700 | 310 | -11.1 | -9.6 | -6.8 | -2.3 | 1.5 | 12.0 | 15.7 | 16.9 | 16.5 | 18.6 | 20.3 | 20.6 |
| 1000 | 310 | -8.9 | -7.9 | -5.6 | -1.4 | 4.8 | 13.4 | 18.3 | 20.1 | 20.5 | 21.3 | 22.0 | 22.2 |
| 1300 | 310 | -10.6 | -10.6 | -8.2 | -3.7 | 3.1 | 11.6 | 17.7 | 18.4 | 17.9 | 20.1 | 21.4 | 21.7 |
| 1600 | 310 | -9.4 | -7.7 | -5.4 | -0.9 | 5.0 | 12.7 | 18.0 | 20.1 | 20.5 | 21.1 | 21.6 | 21.7 |
| 1900 | 310 | -8.3 | -6.5 | -3.7 | 0.3 | 5.7 | 13.2 | 18.2 | 20.0 | 20.4 | 20.5 | 22.9 | 23.3 |
| 2200 | 310 | -8.3 | -5.3 | -2.8 | 0.6 | 5.0 | 12.6 | 18.0 | 19.8 | 20.3 | 20.5 | 21.0 | 21.1 |
| MARCH | | | | | | | | | | | | | |
| 0100 | 341 | -3.9 | -0.8 | 0.3 | 2.7 | 7.0 | 14.0 | 18.1 | 19.9 | 20.5 | 21.1 | 21.1 | 21.1 |
| 0400 | 341 | -1.7 | -1.7 | -0.4 | 2.3 | 6.3 | 13.7 | 17.9 | 19.7 | 20.1 | 21.0 | 21.6 | 21.7 |
| 0700 | 341 | -9.4 | -3.8 | -2.2 | 0.3 | 6.2 | 12.9 | 16.7 | 17.8 | 20.1 | 19.1 | 21.7 | 22.2 |
| 1000 | 341 | -8.9 | -3.3 | -2.6 | 0.3 | 5.9 | 14.3 | 19.2 | 20.7 | 21.5 | 22.3 | 22.7 | 22.8 |
| 1300 | 341 | -8.3 | -2.9 | -1.5 | 1.1 | 5.9 | 14.0 | 18.9 | 20.3 | 21.3 | 22.0 | 22.1 | 22.2 |
| 1600 | 341 | -6.7 | -3.7 | -1.1 | 1.0 | 6.2 | 14.1 | 19.0 | 20.3 | 21.2 | 21.5 | 23.5 | 23.9 |
| 1900 | 341 | -7.2 | -2.9 | -0.3 | 2.2 | 7.6 | 14.6 | 18.9 | 20.0 | 20.6 | 21.1 | 21.1 | 21.1 |
| 2200 | 341 | -2.2 | -1.0 | 0.5 | 2.2 | 7.3 | 14.4 | 18.4 | 20.1 | 21.0 | 21.3 | 21.6 | 21.7 |
| APRIL | | | | | | | | | | | | | |
| 0100 | 316 | 0.0 | 5.6 | 4.9 | 7.0 | 10.6 | 15.5 | 18.4 | 20.9 | 20.4 | 20.2 | 21.9 | 22.2 |
| 0400 | 316 | 1.1 | 5.3 | 7.1 | 8.3 | 12.0 | 16.7 | 19.7 | 20.9 | 21.4 | 21.7 | 21.7 | 21.7 |
| 0700 | 315 | 3.9 | 6.0 | 7.8 | 9.3 | 12.6 | 17.2 | 20.1 | 21.5 | 21.8 | 21.9 | 22.1 | 22.2 |
| 1000 | 315 | 4.4 | 5.3 | 7.7 | 8.8 | 12.5 | 17.0 | 20.0 | 21.6 | 22.1 | 22.5 | 22.7 | 22.8 |
| 1300 | 315 | 1.1 | 4.9 | 6.0 | 7.8 | 12.4 | 16.9 | 20.2 | 21.6 | 21.9 | 22.1 | 22.7 | 22.8 |
| 1600 | 315 | 4.4 | 6.1 | 7.2 | 9.2 | 12.5 | 17.1 | 20.2 | 21.8 | 22.3 | 22.7 | 23.7 | 23.9 |
| 1900 | 315 | 4.4 | 5.6 | 7.2 | 8.7 | 12.4 | 17.5 | 20.0 | 21.5 | 21.9 | 22.2 | 22.2 | 22.2 |
| 2200 | 315 | 4.4 | 5.9 | 7.2 | 8.5 | 12.3 | 17.5 | 20.0 | 21.3 | 21.7 | 21.9 | 22.1 | 22.2 |

* For period of record.

TABLE 2. (Continued)

| MONTH | HOUR | NUM OBS | ABS MIN | 0.155 | 1.000 | 2.200 | 5.000 | DEW POINT TEMPERATURE (C) | | | | | | | 99.000 | 99.865 | ABS MAX |
|-------|--------|------------|------------|-------|-------|-------|-------|---------------------------|--------|--------|--------|--------|--------|--------|--------|--------|------------|
| | | | | | | | | 15.000 | 50.000 | 98.100 | 95.000 | 97.720 | 99.000 | 99.000 | | | |
| MAY | 0100 | 210 | 6.1 | 10.8 | 11.5 | 13.2 | 15.0 | 17.9 | 20.4 | 22.5 | 22.2 | 22.0 | 23.1 | 23.0 | 23.0 | 23.0 | |
| | 0400 | 310 | 8.9 | 10.7 | 11.4 | 13.0 | 15.5 | 19.4 | 21.5 | 23.3 | 22.6 | 22.8 | 22.8 | 22.8 | 22.8 | 22.8 | |
| | 0700 | 310 | 10.0 | 11.5 | 13.3 | 14.9 | 17.3 | 20.5 | 22.4 | 23.4 | 23.3 | 23.4 | 23.4 | 24.2 | 24.2 | 24.4 | |
| | 1000 | 310 | 9.6 | 9.5 | 10.2 | 12.8 | 14.8 | 18.8 | 20.3 | 22.4 | 22.0 | 21.8 | 21.8 | 24.0 | 24.0 | 24.4 | |
| | 1300 | 310 | 6.7 | 9.7 | 10.3 | 12.8 | 14.9 | 18.9 | 21.9 | 22.1 | 21.9 | 23.1 | 23.1 | 24.2 | 24.2 | 24.4 | |
| | 1600 | 310 | 8.3 | 9.9 | 11.5 | 13.5 | 16.7 | 20.1 | 22.2 | 22.2 | 22.0 | 23.3 | 23.3 | 24.2 | 24.2 | 24.4 | |
| | 1900 | 310 | 6.7 | 10.7 | 12.0 | 13.4 | 15.8 | 18.3 | 21.5 | 21.5 | 22.2 | 21.8 | 21.8 | 23.6 | 23.6 | 23.9 | |
| | 2200 | 310 | 9.4 | 10.5 | 12.6 | 14.1 | 16.8 | 20.0 | 22.1 | 22.1 | 23.0 | 23.2 | 23.3 | 23.8 | 23.8 | 23.9 | |
| | JUNE | 0100 | 270 | 12.8 | 15.5 | 16.8 | 17.5 | 20.0 | 21.8 | 23.0 | 23.3 | 23.1 | 23.9 | 25.3 | 25.3 | 25.6 | |
| | | 0400 | 270 | 11.7 | 14.4 | 16.6 | 17.9 | 19.3 | 21.1 | 22.1 | 23.4 | 23.2 | 24.0 | 24.3 | 24.3 | 24.4 | |
| 0700 | | 270 | 15.6 | 16.2 | 18.3 | 19.6 | 21.7 | 23.1 | 24.2 | 25.0 | 25.3 | 25.7 | 26.0 | 26.0 | 26.1 | | |
| 1000 | | 270 | 13.9 | 15.5 | 18.5 | 19.4 | 20.9 | 22.6 | 24.0 | 24.8 | 25.1 | 25.4 | 25.5 | 25.5 | 25.6 | | |
| 1300 | | 270 | 14.4 | 15.5 | 18.1 | 19.1 | 21.1 | 22.7 | 24.1 | 24.7 | 25.2 | 25.8 | 26.0 | 26.0 | 26.1 | | |
| 1600 | | 269 | 14.4 | 16.4 | 17.8 | 19.3 | 20.9 | 22.6 | 24.0 | 24.7 | 25.1 | 25.5 | 26.5 | 26.5 | 26.7 | | |
| 1900 | | 270 | 14.4 | 15.9 | 17.6 | 18.9 | 20.9 | 22.4 | 23.7 | 24.4 | 24.7 | 24.8 | 25.4 | 25.4 | 25.6 | | |
| 2200 | | 270 | 14.4 | 15.9 | 17.2 | 19.1 | 20.7 | 22.3 | 23.5 | 23.7 | 24.2 | 24.6 | 25.1 | 25.5 | 25.6 | | |
| JULY | | 0100 | 279 | 17.2 | 19.5 | 19.9 | 20.7 | 21.5 | 23.0 | 23.8 | 24.7 | 24.8 | 25.1 | 25.5 | 25.5 | 25.6 | |
| | | 0400 | 279 | 17.8 | 18.9 | 19.4 | 19.9 | 21.2 | 22.8 | 23.7 | 24.5 | 24.7 | 24.8 | 24.9 | 24.9 | 25.0 | |
| | 0700 | 279 | 21.1 | 21.2 | 22.2 | 22.4 | 23.0 | 23.7 | 24.8 | 25.2 | 25.4 | 25.5 | 25.5 | 25.5 | 25.6 | | |
| | 1000 | 279 | 20.0 | 20.6 | 21.1 | 21.5 | 22.6 | 23.4 | 24.5 | 25.0 | 25.2 | 25.5 | 26.0 | 26.0 | 26.1 | | |
| | 1300 | 278 | 19.4 | 19.9 | 20.9 | 21.3 | 22.5 | 23.4 | 24.6 | 25.1 | 25.4 | 26.0 | 26.6 | 26.6 | 26.7 | | |
| | 1600 | 278 | 20.0 | 20.5 | 20.8 | 21.2 | 22.5 | 23.4 | 24.7 | 25.2 | 25.5 | 25.6 | 26.5 | 26.5 | 26.7 | | |
| | 1900 | 278 | 18.9 | 19.3 | 20.6 | 21.1 | 22.3 | 23.3 | 24.4 | 24.9 | 25.1 | 25.2 | 25.5 | 25.5 | 25.6 | | |
| | 2200 | 278 | 18.3 | 19.8 | 20.9 | 21.2 | 21.7 | 23.1 | 23.9 | 24.4 | 24.7 | 24.9 | 25.2 | 25.5 | 25.6 | | |
| | AUGUST | 0100 | 278 | 18.9 | 19.4 | 19.8 | 20.6 | 21.6 | 22.8 | 23.8 | 24.5 | 24.9 | 25.2 | 25.5 | 25.5 | 25.6 | |
| | | 0400 | 278 | 18.3 | 18.9 | 19.6 | 20.0 | 21.0 | 22.6 | 23.6 | 24.3 | 24.5 | 24.5 | 25.4 | 25.4 | 25.6 | |
| 0700 | | 279 | 19.4 | 20.0 | 21.4 | 21.6 | 22.6 | 23.6 | 24.5 | 25.1 | 25.2 | 25.3 | 26.0 | 26.0 | 26.1 | | |
| 1000 | | 279 | 19.4 | 20.5 | 20.8 | 21.6 | 22.5 | 23.6 | 24.5 | 25.2 | 25.4 | 25.5 | 26.0 | 26.0 | 26.1 | | |
| 1300 | | 279 | 19.4 | 19.8 | 20.5 | 21.1 | 22.4 | 23.5 | 24.5 | 25.2 | 25.4 | 25.5 | 26.0 | 26.0 | 26.1 | | |
| 1600 | | 279 | 17.8 | 19.1 | 20.2 | 21.4 | 21.8 | 22.9 | 24.0 | 24.7 | 24.6 | 25.0 | 25.9 | 25.9 | 26.1 | | |
| 1900 | | 279 | 18.3 | 20.6 | 21.0 | 21.5 | 22.4 | 23.4 | 24.4 | 25.1 | 25.2 | 25.4 | 25.5 | 25.5 | 25.6 | | |
| 2200 | | 279 | 18.3 | 18.9 | 20.0 | 20.9 | 22.2 | 23.3 | 24.3 | 24.3 | 24.5 | 24.9 | 25.2 | 25.5 | 25.6 | | |

TABLE 2. (Concluded)

| HOUR | NUM OBS | ABS MIN | 0.135 | 1.000 | 2.280 | DEW POINT TEMPERATURE (C) | | | | | | | 95.000 | 97.720 | 99.000 | 99.865 | ABS MAX |
|-----------|------------|------------|-------|-------|-------|---------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------------|
| | | | | | | 5.000 | 15.900 | 50.000 | 84.100 | 95.000 | 97.720 | 99.000 | | | | | |
| SEPTEMBER | | | | | | | | | | | | | | | | | |
| 0100 | 270 | 11.7 | | 16.5 | 17.3 | 19.0 | 20.6 | 22.4 | 23.7 | 23.9 | 24.5 | 24.9 | 25.5 | 25.6 | | | |
| 0400 | 270 | 15.6 | | 16.1 | 17.4 | 18.2 | 20.1 | 21.8 | 22.5 | 24.2 | 23.9 | 24.4 | 25.4 | 25.6 | | | |
| 0700 | 270 | 17.2 | | 17.2 | 18.6 | 20.4 | 21.6 | 23.2 | 24.5 | 25.0 | 25.3 | 25.4 | 25.5 | 25.6 | | | |
| 1000 | 270 | 16.1 | | 17.8 | 18.5 | 20.0 | 21.7 | 23.0 | 24.5 | 25.0 | 25.2 | 25.4 | 26.5 | 26.7 | | | |
| 1300 | 269 | 16.1 | | 17.0 | 18.3 | 19.9 | 21.1 | 23.0 | 24.5 | 25.0 | 25.0 | 25.4 | 26.5 | 26.1 | | | |
| 1600 | 270 | 15.0 | | 16.7 | 18.5 | 18.7 | 20.4 | 22.1 | 24.1 | 24.4 | 25.0 | 24.8 | 25.9 | 25.6 | | | |
| 1900 | 270 | 12.2 | | 17.5 | 18.5 | 19.8 | 20.5 | 22.2 | 23.5 | 23.9 | 24.5 | 24.2 | 25.4 | 25.6 | | | |
| 2200 | 270 | 11.1 | | 18.0 | 18.4 | 19.8 | 20.6 | 22.3 | 23.5 | 23.8 | 24.4 | 25.0 | 25.5 | 25.6 | | | |
| OCTOBER | | | | | | | | | | | | | | | | | |
| 0100 | 279 | 6.7 | | 8.0 | 9.5 | 11.5 | 15.1 | 19.8 | 22.6 | 23.8 | 24.5 | 25.3 | 25.5 | 25.6 | | | |
| 0400 | 279 | 6.1 | | 7.6 | 8.6 | 11.2 | 14.9 | 19.6 | 22.4 | 23.5 | 23.8 | 24.6 | 24.9 | 25.0 | | | |
| 0700 | 279 | 5.6 | | 8.0 | 9.1 | 11.0 | 14.9 | 19.7 | 22.4 | 23.5 | 23.8 | 24.6 | 25.4 | 25.6 | | | |
| 1000 | 279 | 1.7 | | 8.0 | 8.6 | 9.5 | 13.5 | 19.0 | 22.7 | 23.6 | 24.8 | 24.1 | 26.3 | 26.7 | | | |
| 1300 | 279 | 1.7 | | 8.1 | 9.2 | 9.9 | 14.1 | 19.0 | 22.7 | 23.5 | 23.0 | 24.7 | 25.4 | 25.6 | | | |
| 1600 | 279 | 1.7 | | 7.0 | 7.8 | 11.1 | 13.7 | 19.1 | 22.6 | 23.8 | 23.0 | 24.4 | 24.9 | 25.0 | | | |
| 1900 | 279 | 5.5 | | 7.7 | 9.4 | 11.2 | 14.9 | 19.9 | 22.9 | 23.8 | 24.6 | 25.0 | 25.0 | 25.0 | | | |
| 2200 | 279 | 5.6 | | 7.7 | 10.2 | 11.3 | 14.8 | 19.7 | 22.7 | 23.8 | 24.7 | 25.0 | 25.0 | 25.0 | | | |
| NOVEMBER | | | | | | | | | | | | | | | | | |
| 0100 | 282 | -3.3 | | -1.8 | -0.1 | 2.4 | 9.6 | 15.6 | 19.5 | 21.3 | 23.1 | 22.5 | 23.7 | 23.9 | | | |
| 0400 | 282 | -5.0 | | -3.4 | -1.0 | 2.7 | 9.5 | 15.5 | 19.1 | 21.1 | 21.8 | 22.5 | 22.7 | 22.8 | | | |
| 0700 | 282 | -7.2 | | -5.9 | -1.5 | 1.9 | 8.6 | 14.9 | 18.8 | 19.5 | 21.3 | 20.3 | 22.9 | 23.3 | | | |
| 1000 | 282 | -6.1 | | -5.9 | -0.5 | 3.2 | 9.7 | 16.1 | 20.0 | 20.9 | 20.2 | 22.0 | 22.6 | 22.8 | | | |
| 1300 | 282 | -7.2 | | -3.4 | -2.3 | 3.1 | 10.0 | 14.1 | 17.9 | 20.9 | 20.3 | 22.1 | 23.1 | 23.3 | | | |
| 1600 | 282 | -8.9 | | -2.7 | -1.8 | 2.2 | 7.9 | 14.1 | 17.8 | 20.8 | 20.2 | 22.0 | 23.6 | 23.9 | | | |
| 1900 | 282 | -3.9 | | -0.9 | 1.0 | 4.0 | 9.7 | 15.9 | 19.8 | 21.3 | 22.5 | 23.3 | 23.8 | 23.9 | | | |
| 2200 | 282 | -6.1 | | -1.3 | -0.1 | 2.1 | 8.2 | 14.4 | 18.2 | 19.1 | 20.8 | 20.3 | 22.4 | 22.8 | | | |
| DECEMBER | | | | | | | | | | | | | | | | | |
| 0100 | 335 | -8.3 | | -7.3 | -4.6 | -1.8 | 2.9 | 10.9 | 17.3 | 18.4 | 17.6 | 19.6 | 20.9 | 21.1 | | | |
| 0400 | 335 | -8.9 | | -8.8 | -5.7 | -5.1 | 1.5 | 10.1 | 13.6 | 17.2 | 16.5 | 16.2 | 20.4 | 21.1 | | | |
| 0700 | 336 | -10.6 | | -8.6 | -6.1 | -3.8 | 3.3 | 11.7 | 15.1 | 18.6 | 17.9 | 17.7 | 20.6 | 21.1 | | | |
| 1000 | 336 | -13.9 | | -8.3 | -5.9 | -1.8 | 5.1 | 13.1 | 16.5 | 20.2 | 19.0 | 20.9 | 22.5 | 22.8 | | | |
| 1300 | 336 | -10.6 | | -8.6 | -4.0 | -1.3 | 3.9 | 11.6 | 15.2 | 18.5 | 17.8 | 19.9 | 21.4 | 21.7 | | | |
| 1600 | 336 | -11.7 | | -5.9 | -4.7 | -0.0 | 5.0 | 13.1 | 16.5 | 19.8 | 19.2 | 18.9 | 21.3 | 21.7 | | | |
| 1900 | 335 | -7.2 | | -4.1 | -1.1 | -0.0 | 5.7 | 13.8 | 18.5 | 20.6 | 21.2 | 21.4 | 21.6 | 21.7 | | | |
| 2200 | 335 | -7.2 | | -4.6 | -2.7 | 0.2 | 4.9 | 13.7 | 18.2 | 19.9 | 20.6 | 21.2 | 21.6 | 21.7 | | | |

// *END

TABLE 3. CAPE KENNEDY RELATIVE HUMIDITY

| HOUR | NUM OBS | ABS MIN | 0.135 | 1.000 | 2.280 | RELATIVE HUMIDITY (PERCENT) | | | | | | 95.000 | 97.720 | 99.000 | 99.865 | ABS MAX |
|-----------------|---------|---------|-------|-------|-------|-----------------------------|--------|--------|--------|-------|-------|--------|--------|--------|--------|---------|
| | | | | | | 5.000 | 15.900 | 50.000 | 84.100 | 96.4 | 99.1 | | | | | |
| JANUARY | | | | | | | | | | | | | | | | |
| 0100 | 341 | 42.0 | 52.9 | 58.6 | 64.6 | 75.2 | 90.9 | 96.4 | 99.1 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 0400 | 341 | 45.0 | 57.2 | 59.9 | 65.3 | 76.6 | 91.4 | 97.4 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 0700 | 341 | 54.0 | 56.4 | 60.4 | 64.4 | 75.1 | 91.2 | 97.6 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 1000 | 341 | 37.0 | 42.7 | 45.0 | 50.7 | 60.0 | 74.7 | 88.3 | 95.1 | 97.1 | 98.6 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 |
| 1300 | 341 | 22.0 | 23.8 | 31.7 | 39.4 | 43.4 | 63.1 | 74.5 | 84.2 | 88.6 | 87.7 | 98.3 | 98.3 | 98.3 | 100.0 | 100.0 |
| 1600 | 341 | 23.0 | 28.0 | 31.4 | 40.9 | 52.1 | 68.1 | 82.2 | 89.6 | 92.5 | 93.7 | 95.6 | 95.6 | 95.6 | 96.0 | 96.0 |
| 1900 | 341 | 44.0 | 48.0 | 52.6 | 58.3 | 68.2 | 84.7 | 93.2 | 96.6 | 98.1 | 99.6 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| 2200 | 341 | 50.0 | 51.8 | 54.7 | 61.5 | 74.3 | 88.8 | 95.4 | 97.7 | 99.5 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| FEBRUARY | | | | | | | | | | | | | | | | |
| 0100 | 310 | 38.0 | 54.3 | 59.0 | 63.8 | 74.8 | 89.3 | 96.1 | 98.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 0400 | 310 | 35.0 | 48.4 | 52.2 | 64.7 | 76.8 | 91.6 | 96.7 | 99.2 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 0700 | 310 | 34.0 | 49.5 | 57.7 | 65.1 | 77.1 | 92.0 | 97.3 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 1000 | 310 | 33.0 | 36.9 | 40.5 | 46.4 | 56.0 | 72.0 | 87.8 | 95.5 | 97.4 | 99.3 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| 1300 | 310 | 19.0 | 25.6 | 23.7 | 27.3 | 41.3 | 58.3 | 74.3 | 89.5 | 91.8 | 96.5 | 99.5 | 99.5 | 99.5 | 100.0 | 100.0 |
| 1600 | 310 | 21.0 | 26.1 | 24.2 | 27.1 | 46.4 | 61.3 | 79.8 | 88.0 | 92.2 | 90.9 | 98.7 | 98.7 | 98.7 | 100.0 | 100.0 |
| 1900 | 310 | 32.0 | 39.3 | 42.9 | 50.5 | 65.8 | 82.3 | 92.2 | 96.3 | 97.8 | 99.5 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| 2200 | 310 | 42.0 | 49.2 | 53.0 | 58.6 | 69.4 | 87.6 | 95.0 | 98.2 | 99.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| MARCH | | | | | | | | | | | | | | | | |
| 0100 | 341 | 37.0 | 46.5 | 53.5 | 61.5 | 71.6 | 87.4 | 95.9 | 98.5 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 0400 | 341 | 26.0 | 51.3 | 55.8 | 63.2 | 75.4 | 90.1 | 96.7 | 99.5 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 0700 | 341 | 44.0 | 46.8 | 53.2 | 60.3 | 74.0 | 90.4 | 96.5 | 99.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 1000 | 341 | 26.0 | 32.7 | 35.4 | 40.5 | 51.3 | 66.3 | 84.3 | 93.4 | 96.5 | 98.0 | 99.7 | 99.7 | 99.7 | 100.0 | 100.0 |
| 1300 | 341 | 25.0 | 27.6 | 30.3 | 35.7 | 44.0 | 60.9 | 78.0 | 89.0 | 94.5 | 96.8 | 99.5 | 99.5 | 99.5 | 100.0 | 100.0 |
| 1600 | 341 | 21.0 | 23.4 | 26.0 | 33.0 | 47.0 | 58.1 | 80.1 | 89.5 | 92.6 | 97.2 | 99.6 | 99.6 | 99.6 | 100.0 | 100.0 |
| 1900 | 341 | 30.0 | 33.4 | 39.0 | 48.6 | 61.4 | 81.5 | 91.6 | 95.8 | 98.2 | 99.6 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| 2200 | 341 | 34.0 | 49.1 | 52.2 | 57.1 | 68.2 | 86.2 | 94.2 | 97.6 | 99.5 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| APRIL | | | | | | | | | | | | | | | | |
| 0100 | 316 | 37.0 | 43.9 | 51.6 | 58.0 | 72.4 | 86.2 | 93.9 | 97.2 | 98.7 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| 0400 | 316 | 42.0 | 49.6 | 53.1 | 58.0 | 73.1 | 89.7 | 95.3 | 98.4 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 0700 | 315 | 48.0 | 51.5 | 53.7 | 57.4 | 68.3 | 88.1 | 95.7 | 98.1 | 99.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 1000 | 315 | 35.0 | 39.6 | 41.2 | 45.7 | 53.3 | 69.0 | 75.2 | 84.2 | 88.7 | 93.2 | 99.0 | 99.0 | 99.0 | 100.0 | 100.0 |
| 1300 | 315 | 23.0 | 28.8 | 31.7 | 38.4 | 48.6 | 56.5 | 65.6 | 81.1 | 82.7 | 93.6 | 99.1 | 99.1 | 99.1 | 100.0 | 100.0 |
| 1600 | 315 | 22.0 | 34.9 | 38.1 | 41.9 | 47.5 | 59.5 | 74.4 | 82.4 | 90.2 | 93.9 | 99.1 | 99.1 | 99.1 | 100.0 | 100.0 |
| 1900 | 315 | 38.0 | 38.6 | 47.8 | 51.8 | 62.1 | 78.2 | 87.0 | 91.8 | 95.1 | 97.0 | 99.6 | 99.6 | 99.6 | 100.0 | 100.0 |
| 2200 | 315 | 48.0 | 49.6 | 51.8 | 55.6 | 68.5 | 83.5 | 92.1 | 96.5 | 97.9 | 99.5 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |

* For period of record.

TABLE 3. (Continued)

| HOUR | NUM ORS | ABS MIN | 0.135 | 1.000 | 2.280 | RELATIVE HUMIDITY (PERCENT) | | | | | | | ABS MAX |
|--------|------------|------------|-------|-------|-------|-----------------------------|--------|--------|--------|--------|--------|--------|------------|
| | | | | | | 5.000 | 15.900 | 50.000 | 84.100 | 95.000 | 97.720 | 99.000 | |
| MAY | | | | | | | | | | | | | |
| 0100 | 310 | 56.0 | 61.6 | 64.7 | 67.2 | 76.2 | 87.6 | 94.8 | 97.5 | 98.8 | 100.0 | 100.0 | 100.0 |
| 0400 | 310 | 52.0 | 64.3 | 67.8 | 71.8 | 80.4 | 90.4 | 96.5 | 99.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 0700 | 310 | 51.0 | 59.7 | 62.7 | 65.9 | 75.4 | 84.5 | 93.0 | 96.1 | 97.2 | 97.8 | 99.7 | 100.0 |
| 1000 | 310 | 37.0 | 42.7 | 45.6 | 48.9 | 55.1 | 65.8 | 75.1 | 80.1 | 82.8 | 87.1 | 98.2 | 100.0 |
| 1300 | 310 | 31.0 | 36.4 | 38.4 | 43.8 | 53.2 | 64.4 | 73.3 | 82.7 | 87.4 | 93.2 | 99.0 | 100.0 |
| 1600 | 310 | 28.0 | 34.6 | 37.3 | 43.8 | 52.2 | 60.9 | 73.7 | 86.4 | 88.9 | 93.2 | 96.4 | 97.0 |
| 1900 | 310 | 40.0 | 50.0 | 56.6 | 60.6 | 67.7 | 78.1 | 87.8 | 93.6 | 96.1 | 98.2 | 99.7 | 100.0 |
| 2200 | 310 | 57.0 | 60.3 | 64.1 | 66.8 | 72.7 | 84.9 | 92.2 | 96.2 | 97.3 | 97.8 | 99.7 | 100.0 |
| JUNE | | | | | | | | | | | | | |
| 0100 | 270 | 64.0 | 65.4 | 70.2 | 73.7 | 82.4 | 90.8 | 95.6 | 97.7 | 98.9 | 100.0 | 100.0 | 100.0 |
| 0400 | 270 | 61.0 | 65.1 | 73.7 | 83.0 | 95.6 | 94.1 | 97.2 | 98.5 | 99.8 | 100.0 | 100.0 | 100.0 |
| 0700 | 270 | 60.0 | 64.0 | 66.8 | 70.8 | 83.1 | 89.1 | 94.1 | 97.2 | 98.0 | 99.8 | 99.9 | 100.0 |
| 1000 | 270 | 46.0 | 48.6 | 58.0 | 50.1 | 63.4 | 71.3 | 79.4 | 85.9 | 89.8 | 93.3 | 99.1 | 100.0 |
| 1300 | 270 | 42.0 | 47.1 | 50.7 | 54.8 | 61.2 | 69.5 | 77.4 | 90.3 | 94.9 | 97.7 | 99.6 | 100.0 |
| 1600 | 270 | 35.0 | 42.8 | 50.0 | 55.5 | 64.0 | 72.9 | 86.8 | 94.9 | 97.0 | 98.6 | 99.8 | 100.0 |
| 1900 | 270 | 45.0 | 56.5 | 60.4 | 66.9 | 74.1 | 82.6 | 91.2 | 96.5 | 97.3 | 98.5 | 99.9 | 100.0 |
| 2200 | 270 | 59.0 | 64.1 | 68.0 | 73.0 | 81.1 | 89.8 | 95.0 | 97.3 | 97.9 | 99.2 | 99.8 | 100.0 |
| JULY | | | | | | | | | | | | | |
| 0100 | 279 | 74.0 | 77.3 | 81.5 | 82.5 | 86.7 | 92.2 | 97.2 | 98.3 | 98.5 | 99.9 | 99.9 | 100.0 |
| 0400 | 279 | 82.0 | 83.0 | 84.5 | 86.2 | 89.2 | 94.7 | 98.0 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 |
| 0700 | 277 | 74.0 | 76.8 | 77.4 | 78.5 | 84.5 | 89.2 | 95.4 | 97.5 | 98.1 | 98.5 | 99.8 | 100.0 |
| 1000 | 279 | 55.0 | 56.2 | 59.2 | 60.9 | 65.2 | 71.1 | 77.4 | 82.2 | 86.0 | 88.0 | 98.3 | 100.0 |
| 1300 | 278 | 47.0 | 48.6 | 50.7 | 54.3 | 61.1 | 68.4 | 76.5 | 87.6 | 91.6 | 96.7 | 99.5 | 100.0 |
| 1600 | 278 | 52.0 | 55.9 | 59.7 | 61.2 | 65.8 | 72.5 | 83.1 | 95.3 | 98.3 | 99.9 | 99.9 | 100.0 |
| 1900 | 278 | 59.0 | 67.5 | 70.2 | 72.1 | 76.9 | 82.8 | 89.2 | 96.6 | 98.2 | 99.7 | 99.9 | 100.0 |
| 2200 | 278 | 70.0 | 73.0 | 77.0 | 78.3 | 84.9 | 89.6 | 95.4 | 97.7 | 98.4 | 99.7 | 99.9 | 100.0 |
| AUGUST | | | | | | | | | | | | | |
| 0100 | 278 | 67.0 | 77.3 | 80.9 | 84.2 | 88.4 | 93.2 | 98.0 | 99.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 0400 | 278 | 74.0 | 78.5 | 84.9 | 86.5 | 90.9 | 96.4 | 98.5 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 0700 | 279 | 72.0 | 75.8 | 81.1 | 85.3 | 89.5 | 92.9 | 97.6 | 98.5 | 99.3 | 99.9 | 99.5 | 100.0 |
| 1000 | 279 | 59.0 | 60.0 | 61.6 | 62.8 | 66.6 | 72.1 | 77.8 | 82.4 | 86.3 | 96.9 | 99.5 | 100.0 |
| 1300 | 279 | 48.0 | 47.9 | 51.9 | 56.3 | 62.2 | 68.7 | 75.5 | 86.0 | 92.3 | 93.8 | 96.5 | 97.0 |
| 1600 | 279 | 50.0 | 52.0 | 57.6 | 61.5 | 67.1 | 73.3 | 86.2 | 93.9 | 97.0 | 97.0 | 97.0 | 97.0 |
| 1900 | 279 | 63.0 | 68.1 | 72.7 | 75.2 | 78.9 | 86.7 | 91.1 | 95.8 | 97.0 | 97.0 | 97.0 | 97.0 |
| 2200 | 279 | 64.0 | 74.5 | 78.1 | 80.6 | 85.9 | 91.0 | 96.5 | 98.1 | 98.5 | 99.0 | 99.8 | 100.0 |

TABLE 3. (Concluded)

| HOUR | NUM OBS | ABS MIN | 0.135 | 1.000 | 2.280 | RELATIVE HUMIDITY (PERCENT) | | | | | | | | ABS MAX |
|-----------|------------|------------|-------|-------|-------|-----------------------------|--------|--------|--------|--------|--------|--------|--------|------------|
| | | | | | | 5.000 | 15.900 | 50.000 | 84.100 | 95.000 | 97.720 | 99.000 | 99.865 | |
| SEPTEMBER | | | | | | | | | | | | | | |
| 0100 | 270 | 57.0 | | 66.7 | 68.9 | 71.9 | 79.6 | 89.2 | 96.5 | 98.2 | 99.5 | 100.0 | 100.0 | 100.0 |
| 0400 | 270 | 61.0 | | 58.5 | 71.4 | 74.7 | 82.6 | 90.8 | 97.6 | 99.5 | 100.0 | 100.0 | 100.0 | 100.0 |
| 0700 | 270 | 61.0 | | 67.5 | 72.6 | 76.3 | 81.3 | 91.3 | 97.2 | 98.8 | 99.9 | 100.0 | 100.0 | 100.0 |
| 1000 | 270 | 53.0 | | 56.3 | 59.2 | 61.6 | 65.5 | 73.1 | 80.5 | 90.0 | 94.3 | 98.7 | 99.8 | 100.0 |
| 1300 | 270 | 40.0 | | 49.2 | 52.9 | 56.2 | 60.7 | 70.3 | 77.0 | 88.5 | 94.0 | 97.0 | 99.5 | 100.0 |
| 1600 | 270 | 44.0 | | 53.7 | 56.4 | 59.1 | 65.4 | 73.4 | 83.2 | 94.3 | 97.4 | 98.7 | 99.8 | 100.0 |
| 1900 | 270 | 53.0 | | 65.1 | 67.2 | 69.6 | 76.1 | 83.4 | 91.2 | 96.8 | 98.0 | 99.5 | 99.9 | 100.0 |
| 2200 | 270 | 53.0 | | 65.1 | 68.1 | 71.6 | 77.9 | 88.4 | 95.8 | 98.1 | 99.4 | 100.0 | 100.0 | 100.0 |
| OCTOBER | | | | | | | | | | | | | | |
| 0100 | 279 | 48.0 | | 51.5 | 59.3 | 61.6 | 70.0 | 88.5 | 95.5 | 97.7 | 98.7 | 100.0 | 100.0 | 100.0 |
| 0400 | 279 | 50.0 | | 56.0 | 58.3 | 62.4 | 71.1 | 90.1 | 96.7 | 98.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| 0700 | 279 | 53.0 | | 54.7 | 58.8 | 62.4 | 71.0 | 90.7 | 97.0 | 99.3 | 100.0 | 100.0 | 100.0 | 100.0 |
| 1000 | 279 | 34.0 | | 44.1 | 41.9 | 52.8 | 53.1 | 64.4 | 76.1 | 87.5 | 90.3 | 93.5 | 99.1 | 100.0 |
| 1300 | 279 | 32.0 | | 35.6 | 41.4 | 42.3 | 51.3 | 63.7 | 73.3 | 82.8 | 92.2 | 89.9 | 96.0 | 97.0 |
| 1600 | 279 | 25.0 | | 33.8 | 42.1 | 44.6 | 54.5 | 65.3 | 78.4 | 87.7 | 90.5 | 93.5 | 99.1 | 100.0 |
| 1900 | 279 | 46.0 | | 48.7 | 55.3 | 60.2 | 66.8 | 79.8 | 91.4 | 95.1 | 96.9 | 98.0 | 99.7 | 100.0 |
| 2200 | 279 | 45.0 | | 54.3 | 57.5 | 61.1 | 68.1 | 83.6 | 93.8 | 97.1 | 97.9 | 99.2 | 99.8 | 100.0 |
| NOVEMBER | | | | | | | | | | | | | | |
| 0100 | 282 | 44.0 | | 47.7 | 51.2 | 58.2 | 67.4 | 88.7 | 95.8 | 98.3 | 99.8 | 100.0 | 100.0 | 100.0 |
| 0400 | 282 | 43.0 | | 46.9 | 52.5 | 59.0 | 69.2 | 89.5 | 96.6 | 98.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| 0700 | 282 | 42.0 | | 46.9 | 55.0 | 60.4 | 70.2 | 89.7 | 97.1 | 99.6 | 100.0 | 100.0 | 100.0 | 100.0 |
| 1000 | 282 | 35.0 | | 40.0 | 44.2 | 49.1 | 56.3 | 67.9 | 81.9 | 89.7 | 93.5 | 96.3 | 99.5 | 100.0 |
| 1300 | 282 | 27.0 | | 29.4 | 32.1 | 33.3 | 47.7 | 59.6 | 71.2 | 81.7 | 83.4 | 86.0 | 97.2 | 99.0 |
| 1600 | 282 | 26.0 | | 29.4 | 32.4 | 34.6 | 45.7 | 62.2 | 74.1 | 82.6 | 90.1 | 92.8 | 99.0 | 100.0 |
| 1900 | 282 | 47.0 | | 48.0 | 51.2 | 55.4 | 64.7 | 81.8 | 92.4 | 96.5 | 97.5 | 99.0 | 99.8 | 100.0 |
| 2200 | 282 | 44.0 | | 46.2 | 54.1 | 59.5 | 66.9 | 84.7 | 94.8 | 97.5 | 99.1 | 100.0 | 100.0 | 100.0 |
| DECEMBER | | | | | | | | | | | | | | |
| 0100 | 335 | 47.0 | | 51.2 | 54.6 | 59.8 | 72.5 | 90.2 | 96.3 | 99.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 0400 | 335 | 44.0 | | 51.3 | 54.9 | 61.7 | 73.4 | 91.3 | 96.9 | 99.5 | 100.0 | 100.0 | 100.0 | 100.0 |
| 0700 | 336 | 42.0 | | 52.0 | 56.6 | 60.6 | 75.8 | 91.3 | 97.1 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 |
| 1000 | 336 | 27.0 | | 31.9 | 35.7 | 44.5 | 56.1 | 71.4 | 84.5 | 93.8 | 97.4 | 99.3 | 99.9 | 100.0 |
| 1300 | 336 | 27.0 | | 28.3 | 30.8 | 34.6 | 48.1 | 62.6 | 78.1 | 85.9 | 93.4 | 96.2 | 99.4 | 100.0 |
| 1600 | 336 | 24.0 | | 28.6 | 31.4 | 37.8 | 68.1 | 88.1 | 96.6 | 99.0 | 92.8 | 94.8 | 99.3 | 100.0 |
| 1900 | 335 | 46.0 | | 49.5 | 51.7 | 55.8 | 69.1 | 84.6 | 93.4 | 96.7 | 97.6 | 99.3 | 99.9 | 100.0 |
| 2200 | 335 | 43.0 | | 50.2 | 53.7 | 59.6 | 70.9 | 87.8 | 94.8 | 97.5 | 99.3 | 100.0 | 100.0 | 100.0 |

// *END

TABLE 4. CAPE KENNEDY PRESSURE

| HOUR | NUM OBS | ABS MIN | PRESSURE (INT/SQ M/100) | | | | | | | ABS MAX | | | |
|----------|------------|------------|-------------------------|--------|--------|--------|--------|--------|--------|------------|--------|--------|--------|
| | | | 0.135 | 1.000 | 2.280 | 5.000 | 15.900 | 50.000 | 84.100 | | 95.000 | 97.720 | 99.000 |
| JANUARY | | | | | | | | | | | | | |
| 0100 | 341 | 1004.0 | 1005.7 | 1007.2 | 1008.7 | 1014.2 | 1019.7 | 1024.0 | 1026.0 | 1027.3 | 1028.7 | 1031.5 | 1032.0 |
| 0400 | 341 | 1002.0 | 1004.7 | 1006.2 | 1008.4 | 1013.7 | 1019.3 | 1023.4 | 1025.7 | 1026.7 | 1028.7 | 1031.5 | 1032.0 |
| 0700 | 341 | 999.0 | 1005.0 | 1006.8 | 1007.1 | 1011.7 | 1017.0 | 1022.6 | 1023.7 | 1025.3 | 1026.7 | 1032.2 | 1033.0 |
| 1000 | 341 | 999.0 | 1005.1 | 1005.7 | 1011.2 | 1013.4 | 1019.0 | 1024.2 | 1025.4 | 1026.8 | 1030.4 | 1033.5 | 1034.0 |
| 1300 | 341 | 1000.0 | 1004.7 | 1007.1 | 1009.6 | 1013.8 | 1019.7 | 1024.2 | 1026.0 | 1027.7 | 1030.0 | 1033.4 | 1034.0 |
| 1600 | 341 | 1001.0 | 1003.6 | 1006.4 | 1008.7 | 1012.6 | 1018.7 | 1023.4 | 1025.2 | 1027.0 | 1028.7 | 1028.9 | 1029.0 |
| 1900 | 341 | 1004.0 | 1005.3 | 1007.1 | 1009.8 | 1013.5 | 1019.5 | 1024.0 | 1026.1 | 1027.6 | 1028.9 | 1032.4 | 1033.0 |
| 2200 | 341 | 1005.0 | 1006.1 | 1007.1 | 1010.3 | 1014.5 | 1020.4 | 1024.7 | 1026.3 | 1028.5 | 1029.3 | 1032.5 | 1033.0 |
| FEBRUARY | | | | | | | | | | | | | |
| 0100 | 310 | 1003.0 | 1006.1 | 1007.1 | 1007.9 | 1011.9 | 1017.4 | 1023.1 | 1025.0 | 1026.5 | 1027.3 | 1029.7 | 1030.0 |
| 0400 | 310 | 1003.0 | 1005.0 | 1006.4 | 1007.5 | 1011.3 | 1016.9 | 1021.5 | 1024.3 | 1025.7 | 1026.8 | 1027.3 | 1030.0 |
| 0700 | 310 | 1003.0 | 1006.1 | 1006.6 | 1007.8 | 1011.9 | 1017.6 | 1023.6 | 1025.2 | 1026.5 | 1027.0 | 1029.6 | 1030.0 |
| 1000 | 310 | 1003.0 | 1005.4 | 1007.6 | 1008.9 | 1012.8 | 1018.8 | 1023.6 | 1026.6 | 1027.7 | 1028.5 | 1029.8 | 1030.0 |
| 1300 | 310 | 1002.0 | 1003.8 | 1006.4 | 1007.7 | 1011.5 | 1017.6 | 1023.4 | 1025.5 | 1026.3 | 1027.6 | 1029.6 | 1030.0 |
| 1600 | 310 | 1001.0 | 1002.8 | 1004.0 | 1006.6 | 1010.0 | 1016.3 | 1021.1 | 1024.8 | 1025.8 | 1026.4 | 1028.6 | 1029.0 |
| 1900 | 310 | 1002.0 | 1006.1 | 1006.1 | 1007.5 | 1011.3 | 1016.8 | 1021.8 | 1025.0 | 1026.4 | 1027.2 | 1029.6 | 1030.0 |
| 2200 | 310 | 1004.0 | 1006.1 | 1007.1 | 1008.0 | 1012.2 | 1017.6 | 1023.3 | 1025.8 | 1026.9 | 1027.7 | 1029.7 | 1030.0 |
| MARCH | | | | | | | | | | | | | |
| 0100 | 341 | 1004.0 | 1005.5 | 1006.4 | 1007.9 | 1011.5 | 1017.3 | 1021.7 | 1025.4 | 1026.7 | 1027.6 | 1027.9 | 1028.0 |
| 0400 | 341 | 1002.0 | 1003.6 | 1005.3 | 1007.6 | 1010.5 | 1016.5 | 1020.9 | 1024.5 | 1025.3 | 1026.5 | 1026.9 | 1027.0 |
| 0700 | 341 | 1003.0 | 1006.2 | 1007.3 | 1008.6 | 1011.6 | 1017.5 | 1022.1 | 1025.5 | 1026.7 | 1027.6 | 1028.3 | 1029.5 |
| 1000 | 341 | 1004.0 | 1006.3 | 1007.6 | 1008.9 | 1012.5 | 1018.7 | 1023.6 | 1026.7 | 1028.2 | 1029.3 | 1030.7 | 1031.0 |
| 1300 | 341 | 1003.0 | 1005.0 | 1006.5 | 1008.3 | 1011.5 | 1017.7 | 1022.5 | 1025.9 | 1027.7 | 1028.6 | 1029.8 | 1030.0 |
| 1600 | 341 | 1001.0 | 1002.8 | 1004.9 | 1007.3 | 1010.0 | 1016.3 | 1021.3 | 1024.6 | 1026.8 | 1027.8 | 1027.9 | 1028.0 |
| 1900 | 341 | 999.0 | 1003.0 | 1003.8 | 1006.6 | 1011.0 | 1015.5 | 1020.6 | 1022.4 | 1023.8 | 1027.1 | 1028.7 | 1029.0 |
| 2200 | 341 | 1002.0 | 1005.7 | 1006.9 | 1008.8 | 1011.8 | 1017.6 | 1022.3 | 1025.9 | 1027.2 | 1028.5 | 1029.8 | 1030.0 |
| APRIL | | | | | | | | | | | | | |
| 0100 | 316 | 1004.0 | 1006.6 | 1007.8 | 1009.3 | 1012.6 | 1017.3 | 1021.0 | 1023.7 | 1024.6 | 1026.4 | 1027.7 | 1028.0 |
| 0400 | 316 | 1002.0 | 1005.7 | 1007.3 | 1008.6 | 1012.4 | 1016.4 | 1020.4 | 1022.6 | 1023.8 | 1025.1 | 1027.6 | 1028.0 |
| 0700 | 315 | 1001.0 | 1007.6 | 1008.8 | 1009.8 | 1013.2 | 1017.6 | 1021.6 | 1024.1 | 1024.9 | 1026.4 | 1028.6 | 1029.0 |
| 1000 | 315 | 1002.0 | 1007.5 | 1009.0 | 1010.6 | 1014.1 | 1018.6 | 1022.6 | 1025.3 | 1026.6 | 1027.3 | 1029.6 | 1030.0 |
| 1300 | 315 | 1001.0 | 1005.7 | 1007.7 | 1009.3 | 1012.9 | 1017.7 | 1022.0 | 1024.6 | 1026.0 | 1027.1 | 1029.6 | 1030.0 |
| 1600 | 315 | 1000.0 | 1002.8 | 1005.9 | 1006.8 | 1010.6 | 1015.6 | 1018.9 | 1021.6 | 1022.7 | 1024.1 | 1028.3 | 1029.0 |
| 1900 | 315 | 1003.0 | 1005.7 | 1006.7 | 1008.7 | 1012.0 | 1016.8 | 1020.8 | 1023.4 | 1024.5 | 1025.2 | 1027.6 | 1028.0 |
| 2200 | 316 | 1005.0 | 1006.9 | 1008.6 | 1009.7 | 1013.1 | 1017.7 | 1021.7 | 1024.2 | 1025.1 | 1026.8 | 1028.7 | 1029.0 |

* For period of record.

TABLE 4. (Continued)

| HOUR | NUM OBS | ABS MIN | 0.135 | 1.000 | 2.280 | 5.000 | PRESSURE (INT/SQ M/100) | | | | | 95.000 | 97.720 | 99.000 | 99.865 | ABS | |
|---------------|------------|------------|--------|--------|--------|--------|-------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | | | | | | PERCENTILE | 15.900 | 50.000 | 84.100 | 95.000 | | | | | MAX | |
| MAY | | | | | | | | | | | | | | | | | |
| 0100 | 310 | 1004.0 | 1005.9 | 1007.3 | 1008.9 | 1012.4 | 1015.7 | 1019.1 | 1020.7 | 1021.7 | 1022.7 | 1022.9 | 1023.0 | 1023.0 | 1023.0 | 1023.0 | 1023.0 |
| 0400 | 310 | 1003.0 | 1005.9 | 1006.6 | 1008.6 | 1011.6 | 1015.3 | 1018.5 | 1020.4 | 1021.3 | 1022.2 | 1022.8 | 1023.0 | 1023.0 | 1023.0 | 1023.0 | 1023.0 |
| 0700 | 310 | 1004.0 | 1005.9 | 1007.4 | 1009.9 | 1012.8 | 1016.2 | 1019.6 | 1021.4 | 1022.7 | 1023.7 | 1023.9 | 1024.0 | 1024.0 | 1024.0 | 1024.0 | 1024.0 |
| 1000 | 310 | 1004.0 | 1005.9 | 1008.3 | 1010.2 | 1013.6 | 1016.8 | 1020.5 | 1022.4 | 1023.5 | 1024.5 | 1024.9 | 1025.0 | 1025.0 | 1025.0 | 1025.0 | 1025.0 |
| 1300 | 310 | 1003.0 | 1004.8 | 1006.9 | 1009.1 | 1012.9 | 1016.3 | 1019.9 | 1021.7 | 1023.3 | 1024.4 | 1024.9 | 1025.0 | 1025.0 | 1025.0 | 1025.0 | 1025.0 |
| 1600 | 310 | 1002.0 | 1003.9 | 1004.9 | 1007.7 | 1011.7 | 1015.4 | 1018.8 | 1020.5 | 1021.7 | 1022.9 | 1023.0 | 1023.0 | 1023.0 | 1023.0 | 1023.0 | 1023.0 |
| 1900 | 310 | 1004.0 | 1004.5 | 1005.0 | 1008.0 | 1011.9 | 1015.6 | 1018.7 | 1020.6 | 1021.6 | 1022.9 | 1023.0 | 1023.0 | 1023.0 | 1023.0 | 1023.0 | 1023.0 |
| 2200 | 310 | 1005.0 | 1006.0 | 1007.4 | 1009.2 | 1012.8 | 1016.2 | 1019.7 | 1021.6 | 1022.7 | 1023.5 | 1023.9 | 1024.0 | 1024.0 | 1024.0 | 1024.0 | 1024.0 |
| JUNE | | | | | | | | | | | | | | | | | |
| 0100 | 270 | 997.0 | 1005.7 | 1008.3 | 1010.0 | 1011.8 | 1015.1 | 1017.8 | 1019.3 | 1021.1 | 1022.4 | 1024.6 | 1025.0 | 1025.0 | 1025.0 | 1025.0 | 1025.0 |
| 0400 | 270 | 996.0 | 1002.8 | 1007.8 | 1009.2 | 1011.0 | 1014.2 | 1017.3 | 1018.9 | 1019.9 | 1021.7 | 1023.6 | 1024.0 | 1024.0 | 1024.0 | 1024.0 | 1024.0 |
| 0700 | 270 | 997.0 | 1001.5 | 1008.8 | 1010.3 | 1012.2 | 1015.5 | 1018.2 | 1020.1 | 1021.4 | 1023.0 | 1024.7 | 1025.0 | 1025.0 | 1025.0 | 1025.0 | 1025.0 |
| 1000 | 270 | 997.0 | 1003.1 | 1009.4 | 1010.9 | 1012.7 | 1016.1 | 1019.1 | 1020.8 | 1022.2 | 1024.0 | 1025.7 | 1026.0 | 1026.0 | 1026.0 | 1026.0 | 1026.0 |
| 1300 | 270 | 997.0 | 1004.4 | 1008.7 | 1010.2 | 1012.2 | 1015.4 | 1018.7 | 1020.5 | 1021.5 | 1024.0 | 1025.7 | 1026.0 | 1026.0 | 1026.0 | 1026.0 | 1026.0 |
| 1600 | 270 | 996.0 | 1004.4 | 1008.0 | 1009.1 | 1011.4 | 1014.3 | 1017.7 | 1019.5 | 1020.9 | 1022.4 | 1024.6 | 1025.0 | 1025.0 | 1025.0 | 1025.0 | 1025.0 |
| 1900 | 270 | 997.0 | 1006.7 | 1008.1 | 1009.2 | 1011.6 | 1014.6 | 1017.8 | 1019.5 | 1020.7 | 1022.4 | 1024.6 | 1025.0 | 1025.0 | 1025.0 | 1025.0 | 1025.0 |
| 2200 | 270 | 998.0 | 1007.9 | 1009.1 | 1010.4 | 1012.3 | 1015.6 | 1018.6 | 1020.3 | 1021.5 | 1023.7 | 1024.8 | 1025.0 | 1025.0 | 1025.0 | 1025.0 | 1025.0 |
| JULY | | | | | | | | | | | | | | | | | |
| 0100 | 279 | 1008.0 | 1009.8 | 1011.1 | 1011.6 | 1013.7 | 1016.5 | 1019.4 | 1020.5 | 1021.3 | 1021.7 | 1023.6 | 1024.0 | 1024.0 | 1024.0 | 1024.0 | 1024.0 |
| 0400 | 279 | 1007.0 | 1009.4 | 1010.7 | 1011.0 | 1013.3 | 1016.0 | 1017.5 | 1019.9 | 1019.4 | 1021.2 | 1022.7 | 1023.0 | 1023.0 | 1023.0 | 1023.0 | 1023.0 |
| 0700 | 279 | 1009.0 | 1010.1 | 1011.8 | 1013.0 | 1015.0 | 1017.2 | 1019.4 | 1021.0 | 1021.5 | 1022.2 | 1022.8 | 1023.0 | 1023.0 | 1023.0 | 1023.0 | 1023.0 |
| 1000 | 279 | 1009.0 | 1010.7 | 1012.3 | 1013.8 | 1015.6 | 1018.0 | 1020.2 | 1021.9 | 1022.5 | 1023.5 | 1023.9 | 1024.0 | 1024.0 | 1024.0 | 1024.0 | 1024.0 |
| 1300 | 278 | 1009.0 | 1010.6 | 1011.8 | 1013.1 | 1015.1 | 1017.5 | 1019.9 | 1021.4 | 1022.2 | 1022.6 | 1023.8 | 1024.0 | 1024.0 | 1024.0 | 1024.0 | 1024.0 |
| 1600 | 278 | 1009.0 | 1009.9 | 1011.1 | 1011.9 | 1014.1 | 1016.5 | 1018.8 | 1020.3 | 1020.7 | 1021.3 | 1022.7 | 1023.0 | 1023.0 | 1023.0 | 1023.0 | 1023.0 |
| 1900 | 278 | 1009.0 | 1009.9 | 1011.2 | 1012.4 | 1014.2 | 1016.6 | 1019.0 | 1020.3 | 1020.8 | 1021.3 | 1022.7 | 1023.0 | 1023.0 | 1023.0 | 1023.0 | 1023.0 |
| 2200 | 278 | 1010.0 | 1011.2 | 1012.3 | 1013.2 | 1015.0 | 1017.4 | 1019.8 | 1021.3 | 1021.8 | 1022.5 | 1023.8 | 1024.0 | 1024.0 | 1024.0 | 1024.0 | 1024.0 |
| AUGUST | | | | | | | | | | | | | | | | | |
| 0100 | 278 | 1007.0 | 1009.5 | 1009.8 | 1010.7 | 1012.8 | 1016.0 | 1018.5 | 1019.8 | 1020.3 | 1020.7 | 1020.9 | 1021.0 | 1021.0 | 1021.0 | 1021.0 | 1021.0 |
| 0400 | 278 | 1006.0 | 1008.1 | 1008.8 | 1009.9 | 1012.0 | 1015.2 | 1017.6 | 1018.9 | 1019.6 | 1020.0 | 1020.0 | 1020.0 | 1020.0 | 1020.0 | 1020.0 | 1020.0 |
| 0700 | 279 | 1007.0 | 1009.1 | 1009.8 | 1010.7 | 1013.1 | 1016.2 | 1018.5 | 1019.8 | 1020.3 | 1020.7 | 1020.9 | 1021.0 | 1021.0 | 1021.0 | 1021.0 | 1021.0 |
| 1000 | 279 | 1007.0 | 1010.2 | 1010.6 | 1011.3 | 1014.0 | 1017.0 | 1019.6 | 1021.1 | 1021.7 | 1022.0 | 1022.0 | 1022.0 | 1022.0 | 1022.0 | 1022.0 | 1022.0 |
| 1300 | 279 | 1007.0 | 1009.3 | 1009.8 | 1010.7 | 1013.3 | 1016.5 | 1019.2 | 1020.4 | 1021.0 | 1021.8 | 1021.9 | 1022.0 | 1022.0 | 1022.0 | 1022.0 | 1022.0 |
| 1600 | 279 | 1006.0 | 1008.4 | 1009.0 | 1009.5 | 1012.2 | 1015.4 | 1017.7 | 1019.0 | 1019.7 | 1020.5 | 1020.9 | 1021.0 | 1021.0 | 1021.0 | 1021.0 | 1021.0 |
| 1900 | 279 | 1005.0 | 1007.5 | 1009.4 | 1008.8 | 1012.0 | 1014.5 | 1017.8 | 1017.8 | 1018.6 | 1020.4 | 1020.9 | 1021.0 | 1021.0 | 1021.0 | 1021.0 | 1021.0 |
| 2200 | 279 | 1006.0 | 1009.5 | 1010.1 | 1011.3 | 1013.6 | 1016.4 | 1019.4 | 1020.2 | 1020.8 | 1021.4 | 1021.9 | 1022.0 | 1022.0 | 1022.0 | 1022.0 | 1022.0 |

TABLE 4. (Concluded)

| HOUR | NUM OBS | ABS MIN | PRESSURE (NT/SQ M/100) | | | | | | | | ABS MAX | | | | | | | | | | |
|-----------|------------|------------|------------------------|--------|--------|--------|--------|--------|--------|--------|------------|--------|--------|--------|--|--|--|--|--|--|--|
| | | | 0.135 | 1.000 | 2.280 | 5.000 | 15.900 | 50.000 | 84.100 | 95.000 | | 97.720 | 99.000 | 99.865 | | | | | | | |
| SEPTEMBER | | | | | | | | | | | | | | | | | | | | | |
| 0100 | 270 | 1006.0 | 1006.7 | 1007.6 | 1009.4 | 1012.0 | 1014.6 | 1016.9 | 1018.8 | 1019.7 | 1021.1 | 1022.7 | 1023.0 | | | | | | | | |
| 0400 | 270 | 1005.0 | 1006.2 | 1007.1 | 1008.4 | 1011.3 | 1013.9 | 1016.2 | 1018.1 | 1018.9 | 1020.0 | 1021.7 | 1022.0 | | | | | | | | |
| 0700 | 270 | 1005.0 | 1007.0 | 1008.7 | 1009.5 | 1012.4 | 1014.8 | 1017.1 | 1019.0 | 1020.1 | 1020.9 | 1022.7 | 1023.0 | | | | | | | | |
| 1000 | 270 | 1006.0 | 1008.7 | 1009.6 | 1010.4 | 1013.2 | 1016.0 | 1018.2 | 1019.9 | 1021.6 | 1022.5 | 1023.8 | 1024.0 | | | | | | | | |
| 1300 | 270 | 1006.0 | 1007.0 | 1008.6 | 1009.3 | 1012.4 | 1015.1 | 1017.5 | 1018.9 | 1020.8 | 1021.3 | 1022.7 | 1023.0 | | | | | | | | |
| 1600 | 270 | 1004.0 | 1005.6 | 1006.2 | 1006.9 | 1010.4 | 1012.6 | 1015.2 | 1016.9 | 1018.4 | 1019.1 | 1021.6 | 1022.0 | | | | | | | | |
| 1900 | 270 | 1005.0 | 1006.2 | 1007.3 | 1009.0 | 1011.8 | 1014.4 | 1016.4 | 1018.5 | 1019.4 | 1020.4 | 1021.7 | 1022.0 | | | | | | | | |
| 2200 | 270 | 1006.0 | 1006.5 | 1008.9 | 1010.0 | 1012.7 | 1015.3 | 1017.6 | 1019.3 | 1020.4 | 1021.3 | 1022.7 | 1023.0 | | | | | | | | |
| OCTOBER | | | | | | | | | | | | | | | | | | | | | |
| 0100 | 279 | 1004.0 | 1005.4 | 1006.5 | 1007.9 | 1011.0 | 1014.5 | 1018.3 | 1021.0 | 1022.9 | 1024.4 | 1025.7 | 1026.0 | | | | | | | | |
| 0400 | 279 | 1003.0 | 1004.6 | 1005.6 | 1007.2 | 1010.2 | 1013.7 | 1017.5 | 1020.2 | 1022.1 | 1024.4 | 1024.9 | 1025.0 | | | | | | | | |
| 0700 | 279 | 1002.0 | 1005.1 | 1006.6 | 1008.5 | 1011.1 | 1014.7 | 1018.7 | 1021.2 | 1022.6 | 1025.0 | 1025.8 | 1026.0 | | | | | | | | |
| 1000 | 279 | 1002.0 | 1005.4 | 1006.9 | 1009.6 | 1012.3 | 1015.7 | 1019.8 | 1022.4 | 1023.5 | 1026.9 | 1027.8 | 1028.0 | | | | | | | | |
| 1300 | 279 | 998.0 | 1003.5 | 1006.4 | 1008.6 | 1011.1 | 1014.4 | 1018.6 | 1021.4 | 1022.6 | 1025.6 | 1025.9 | 1026.0 | | | | | | | | |
| 1600 | 279 | 999.0 | 1002.5 | 1005.6 | 1007.4 | 1010.0 | 1013.6 | 1017.8 | 1020.4 | 1022.1 | 1024.4 | 1025.7 | 1026.0 | | | | | | | | |
| 1900 | 279 | 1001.0 | 1004.8 | 1006.9 | 1008.3 | 1010.5 | 1014.2 | 1018.1 | 1021.2 | 1022.9 | 1024.7 | 1025.8 | 1026.0 | | | | | | | | |
| 2200 | 279 | 1003.0 | 1005.1 | 1007.7 | 1008.7 | 1011.5 | 1015.1 | 1018.9 | 1022.0 | 1023.9 | 1025.2 | 1026.7 | 1027.0 | | | | | | | | |
| NOVEMBER | | | | | | | | | | | | | | | | | | | | | |
| 0100 | 282 | 1002.0 | 1004.8 | 1008.8 | 1010.1 | 1012.9 | 1016.7 | 1021.6 | 1024.3 | 1025.2 | 1026.0 | 1026.8 | 1027.0 | | | | | | | | |
| 0400 | 282 | 1002.0 | 1003.9 | 1007.4 | 1009.7 | 1012.7 | 1016.5 | 1021.0 | 1023.4 | 1024.8 | 1025.4 | 1026.7 | 1027.0 | | | | | | | | |
| 0700 | 282 | 1003.0 | 1006.7 | 1009.0 | 1010.7 | 1013.2 | 1017.5 | 1022.1 | 1024.8 | 1025.6 | 1027.1 | 1027.8 | 1028.0 | | | | | | | | |
| 1000 | 281 | 1004.0 | 1008.2 | 1009.7 | 1011.2 | 1014.3 | 1018.8 | 1023.1 | 1025.9 | 1026.9 | 1027.8 | 1029.7 | 1030.0 | | | | | | | | |
| 1300 | 282 | 1003.0 | 1004.5 | 1007.8 | 1009.5 | 1012.6 | 1017.3 | 1021.6 | 1024.5 | 1025.6 | 1026.5 | 1027.8 | 1028.0 | | | | | | | | |
| 1600 | 282 | 1001.0 | 1002.5 | 1004.4 | 1008.4 | 1010.2 | 1014.7 | 1019.4 | 1023.0 | 1024.2 | 1023.5 | 1027.4 | 1028.0 | | | | | | | | |
| 1900 | 282 | 1003.0 | 1005.9 | 1008.2 | 1010.1 | 1012.7 | 1017.0 | 1021.6 | 1024.7 | 1025.6 | 1026.5 | 1027.8 | 1028.0 | | | | | | | | |
| 2200 | 282 | 1002.0 | 1006.2 | 1009.0 | 1010.7 | 1013.5 | 1017.7 | 1022.2 | 1025.0 | 1026.0 | 1027.0 | 1027.0 | 1027.0 | | | | | | | | |
| DECEMBER | | | | | | | | | | | | | | | | | | | | | |
| 0100 | 335 | 1003.0 | 1007.7 | 1008.5 | 1010.8 | 1013.8 | 1019.1 | 1023.0 | 1025.5 | 1026.6 | 1027.8 | 1028.8 | 1029.0 | | | | | | | | |
| 0400 | 335 | 1000.0 | 1006.3 | 1007.2 | 1009.7 | 1011.4 | 1017.7 | 1020.7 | 1023.1 | 1024.3 | 1025.7 | 1028.5 | 1029.0 | | | | | | | | |
| 0700 | 336 | 1004.0 | 1006.2 | 1008.2 | 1011.2 | 1014.1 | 1019.5 | 1023.5 | 1025.8 | 1026.6 | 1027.8 | 1028.8 | 1029.0 | | | | | | | | |
| 1000 | 336 | 1006.0 | 1007.9 | 1010.1 | 1012.2 | 1015.7 | 1021.0 | 1024.9 | 1027.1 | 1028.1 | 1028.7 | 1030.6 | 1031.0 | | | | | | | | |
| 1300 | 336 | 1004.0 | 1006.8 | 1008.4 | 1010.2 | 1013.5 | 1019.2 | 1023.3 | 1025.7 | 1026.7 | 1027.5 | 1029.6 | 1030.0 | | | | | | | | |
| 1600 | 336 | 1003.0 | 1006.2 | 1007.7 | 1008.9 | 1012.8 | 1018.4 | 1022.6 | 1024.9 | 1026.0 | 1026.6 | 1028.6 | 1029.0 | | | | | | | | |
| 1900 | 335 | 1004.0 | 1007.5 | 1008.5 | 1010.5 | 1013.8 | 1018.9 | 1023.2 | 1025.8 | 1026.9 | 1027.5 | 1028.8 | 1029.0 | | | | | | | | |
| 2200 | 335 | 1003.0 | 1007.8 | 1009.7 | 1011.2 | 1014.7 | 1019.4 | 1023.7 | 1026.2 | 1027.3 | 1028.2 | 1029.7 | 1030.0 | | | | | | | | |

// *END

TABLE 5. CAPE KENNEDY VAPOR PRESSURE

| HOUR | NUM OBS | ABS MIN | 0.135 | 1,000 | 2.220 | 5,000 | VAPOR PRESSURE (MT/SQ M/100) | | | | 95.000 | 97.720 | 99.000 | 99.865 | ABS MAX |
|----------|------------|------------|-------|-------|-------|-------|------------------------------|--------|--------|------------|--------|--------|--------|--------|------------|
| | | | | | | | 15.900 | 50.000 | 84.100 | PERCENTILE | | | | | |
| JANUARY | | | | | | | | | | | | | | | |
| 0100 | 341 | 3.0 | | 4.7 | 5.1 | 6.5 | 9.2 | 15.1 | 20.1 | 22.3 | 23.6 | 24.2 | 24.7 | 24.7 | |
| 0400 | 341 | 3.3 | | 4.6 | 5.0 | 6.1 | 8.9 | 14.7 | 19.4 | 22.2 | 23.3 | 24.1 | 24.6 | 24.7 | |
| 0700 | 341 | 3.3 | | 3.8 | 4.4 | 5.7 | 8.5 | 14.3 | 19.0 | 21.7 | 22.4 | 23.4 | 24.0 | 24.1 | |
| 1000 | 341 | 2.4 | | 3.9 | 4.6 | 5.5 | 9.7 | 15.7 | 21.4 | 23.6 | 24.9 | 25.3 | 25.6 | 25.7 | |
| 1300 | 342 | 2.4 | | 3.3 | 4.7 | 6.2 | 9.9 | 16.2 | 21.9 | 24.0 | 24.7 | 25.9 | 26.5 | 26.6 | |
| 1600 | 341 | 2.6 | | 3.6 | 4.6 | 5.9 | 9.6 | 15.7 | 21.5 | 23.5 | 24.4 | 24.9 | 25.5 | 25.6 | |
| 1900 | 341 | 3.0 | | 4.6 | 5.1 | 6.2 | 9.5 | 15.4 | 20.7 | 22.9 | 23.8 | 24.4 | 24.8 | 24.9 | |
| 2200 | 341 | 3.3 | | 4.6 | 5.1 | 6.3 | 8.9 | 15.1 | 20.3 | 22.7 | 24.0 | 24.5 | 24.8 | 24.9 | |
| FEBRUARY | | | | | | | | | | | | | | | |
| 0100 | 310 | 2.8 | | 4.3 | 4.9 | 6.3 | 8.8 | 14.7 | 20.6 | 23.1 | 23.8 | 24.4 | 24.8 | 24.9 | |
| 0400 | 310 | 3.2 | | 3.5 | 4.6 | 5.9 | 8.4 | 14.5 | 20.4 | 22.2 | 23.2 | 23.7 | 24.7 | 24.9 | |
| 0700 | 310 | 2.7 | | 3.6 | 4.4 | 5.9 | 8.2 | 14.7 | 20.2 | 21.9 | 22.7 | 23.4 | 24.6 | 24.7 | |
| 1000 | 310 | 3.0 | | 3.3 | 4.1 | 5.6 | 8.5 | 15.6 | 21.6 | 24.1 | 25.0 | 25.9 | 27.2 | 27.4 | |
| 1300 | 310 | 2.6 | | 2.6 | 4.7 | 6.7 | 8.5 | 13.9 | 19.8 | 21.8 | 23.2 | 24.9 | 26.5 | 26.7 | |
| 1600 | 310 | 3.0 | | 3.2 | 4.0 | 5.6 | 8.9 | 15.2 | 21.3 | 24.4 | 25.1 | 25.8 | 26.7 | 26.8 | |
| 1900 | 310 | 3.2 | | 3.7 | 4.9 | 6.3 | 9.3 | 15.4 | 21.3 | 23.7 | 24.3 | 25.1 | 28.9 | 29.5 | |
| 2200 | 310 | 3.2 | | 4.1 | 4.9 | 6.4 | 8.8 | 14.9 | 21.4 | 23.8 | 24.6 | 25.0 | 25.7 | 25.8 | |
| MARCH | | | | | | | | | | | | | | | |
| 0100 | 341 | 4.6 | | 5.7 | 6.3 | 7.4 | 10.1 | 16.4 | 21.3 | 23.6 | 24.7 | 25.2 | 25.6 | 25.7 | |
| 0400 | 341 | 2.3 | | 3.6 | 4.9 | 5.9 | 7.9 | 14.9 | 19.0 | 21.3 | 22.5 | 23.8 | 26.3 | 26.7 | |
| 0700 | 341 | 3.0 | | 3.9 | 5.3 | 6.4 | 7.9 | 15.2 | 18.9 | 23.3 | 24.4 | 23.6 | 26.7 | 27.2 | |
| 1000 | 341 | 3.0 | | 4.2 | 3.6 | 4.6 | 8.0 | 16.5 | 21.9 | 24.0 | 25.0 | 26.5 | 28.1 | 28.3 | |
| 1300 | 341 | 3.3 | | 4.7 | 5.6 | 6.7 | 9.5 | 16.4 | 22.4 | 24.6 | 25.5 | 26.5 | 27.8 | 28.0 | |
| 1600 | 340 | 3.6 | | 4.8 | 5.6 | 6.5 | 9.8 | 16.5 | 22.3 | 24.4 | 25.5 | 26.2 | 30.1 | 30.7 | |
| 1900 | 341 | 3.5 | | 4.8 | 5.7 | 7.2 | 10.4 | 17.2 | 22.3 | 24.0 | 24.8 | 25.2 | 25.6 | 25.7 | |
| 2200 | 341 | 5.2 | | 5.5 | 6.4 | 7.0 | 10.2 | 17.0 | 21.6 | 24.4 | 25.2 | 25.5 | 26.5 | 26.6 | |
| APRIL | | | | | | | | | | | | | | | |
| 0100 | 316 | 6.0 | | 9.3 | 8.5 | 9.7 | 13.9 | 18.4 | 22.5 | 24.7 | 24.1 | 25.4 | 27.1 | 27.4 | |
| 0400 | 316 | 6.8 | | 7.7 | 8.8 | 9.7 | 14.1 | 18.8 | 22.7 | 23.2 | 26.0 | 25.4 | 26.9 | 27.2 | |
| 0700 | 315 | 8.2 | | 9.5 | 10.5 | 12.0 | 15.0 | 20.1 | 24.1 | 25.8 | 26.5 | 27.0 | 27.4 | 27.5 | |
| 1000 | 315 | 8.6 | | 9.1 | 10.5 | 11.6 | 14.8 | 20.2 | 24.2 | 26.1 | 27.1 | 27.9 | 28.6 | 28.7 | |
| 1300 | 315 | 6.6 | | 7.9 | 9.2 | 10.0 | 13.9 | 18.3 | 23.6 | 24.1 | 25.3 | 26.7 | 27.8 | 28.0 | |
| 1600 | 315 | 8.5 | | 9.6 | 10.2 | 12.0 | 14.8 | 20.2 | 24.5 | 26.5 | 27.5 | 28.2 | 30.3 | 30.7 | |
| 1900 | 315 | 8.5 | | 9.3 | 10.3 | 11.4 | 14.7 | 20.5 | 24.1 | 25.7 | 26.7 | 27.4 | 27.4 | 27.5 | |
| 2200 | 315 | 8.5 | | 9.5 | 10.3 | 11.3 | 14.7 | 20.5 | 24.1 | 25.4 | 26.0 | 26.7 | 27.4 | 27.5 | |

* For period of record.

TABLE 5. (Continued)

| HOUR | NUM ORS | ARS MIN | VAPOR PRESSURE (NT/SQ M/100) | | | | | | | | | | ABS MAX |
|--------|------------|------------|------------------------------|-------|--------|--------|--------|--------|--------|--------|--------|------|------------|
| | | | 2.280 | 5.000 | 15.000 | 50.000 | 84.100 | 95.000 | 97.720 | 99.000 | 99.865 | | |
| MAY | | | | | | | | | | | | | |
| 0100 | 310 | 9.5 | 13.5 | 14.1 | 16.9 | 22.3 | 25.3 | 27.8 | 27.2 | 28.8 | 29.4 | 29.5 | 29.5 |
| 0400 | 310 | 11.6 | 14.1 | 15.2 | 18.2 | 23.3 | 25.8 | 27.5 | 27.9 | 28.4 | 28.8 | 28.8 | 28.8 |
| 0700 | 310 | 12.5 | 15.6 | 17.0 | 20.2 | 24.5 | 27.7 | 29.2 | 29.7 | 30.1 | 31.5 | 31.5 | 31.5 |
| 1000 | 310 | 9.1 | 13.3 | 15.5 | 18.5 | 23.3 | 24.9 | 27.5 | 28.7 | 28.0 | 31.4 | 31.4 | 31.4 |
| 1300 | 310 | 10.0 | 13.7 | 15.9 | 18.9 | 24.5 | 27.3 | 28.9 | 29.8 | 30.8 | 31.5 | 31.5 | 31.5 |
| 1600 | 310 | 11.2 | 14.1 | 15.7 | 19.6 | 24.3 | 27.5 | 29.1 | 29.6 | 29.9 | 30.8 | 31.0 | 31.0 |
| 1900 | 310 | 9.8 | 14.9 | 16.9 | 19.6 | 24.3 | 27.3 | 29.8 | 29.5 | 30.0 | 30.6 | 30.7 | 30.7 |
| 2200 | 310 | 12.0 | 14.9 | 16.2 | 19.5 | 24.0 | 27.3 | 28.8 | 29.4 | 29.7 | 29.9 | 30.0 | 30.0 |
| JUNE | | | | | | | | | | | | | |
| 0100 | 270 | 15.0 | 20.0 | 20.9 | 23.7 | 26.5 | 28.5 | 29.9 | 30.6 | 31.1 | 32.9 | 33.2 | 33.2 |
| 0400 | 270 | 13.8 | 18.9 | 21.4 | 23.0 | 25.8 | 27.6 | 29.9 | 30.8 | 31.3 | 32.0 | 32.0 | 32.0 |
| 0700 | 270 | 18.3 | 21.1 | 22.5 | 25.9 | 27.6 | 29.6 | 32.1 | 31.7 | 33.3 | 34.8 | 35.0 | 35.0 |
| 1000 | 270 | 16.4 | 18.4 | 21.0 | 28.2 | 29.9 | 29.9 | 31.1 | 31.9 | 32.6 | 33.9 | 34.1 | 34.1 |
| 1300 | 270 | 16.9 | 21.4 | 21.6 | 25.3 | 28.1 | 29.7 | 31.0 | 31.6 | 34.1 | 35.1 | 35.3 | 35.3 |
| 1600 | 269 | 16.9 | 20.6 | 22.6 | 24.2 | 28.1 | 29.8 | 31.0 | 31.8 | 32.4 | 35.8 | 36.4 | 36.4 |
| 1900 | 270 | 16.7 | 19.6 | 21.8 | 24.2 | 27.4 | 30.2 | 30.5 | 31.3 | 31.0 | 33.6 | 34.0 | 34.0 |
| 2200 | 270 | 16.7 | 18.9 | 21.6 | 23.5 | 26.2 | 29.2 | 29.7 | 31.5 | 32.1 | 34.0 | 34.4 | 34.4 |
| JULY | | | | | | | | | | | | | |
| 0100 | 279 | 20.0 | 23.0 | 23.7 | 25.9 | 27.5 | 29.6 | 30.9 | 31.9 | 32.3 | 33.7 | 34.0 | 34.0 |
| 0400 | 279 | 20.7 | 22.4 | 23.1 | 25.1 | 27.8 | 29.8 | 31.2 | 30.9 | 30.8 | 32.5 | 32.8 | 32.8 |
| 0700 | 279 | 25.7 | 26.1 | 26.9 | 28.8 | 30.4 | 32.2 | 33.3 | 33.6 | 33.8 | 33.9 | 34.0 | 34.0 |
| 1000 | 279 | 24.2 | 25.2 | 26.4 | 28.2 | 30.0 | 31.7 | 32.9 | 33.3 | 34.3 | 35.0 | 35.0 | 35.0 |
| 1300 | 278 | 23.2 | 24.5 | 26.2 | 27.8 | 30.0 | 31.9 | 33.2 | 33.7 | 35.1 | 36.2 | 36.4 | 36.4 |
| 1600 | 278 | 23.9 | 24.4 | 26.0 | 27.9 | 30.0 | 31.8 | 33.3 | 34.1 | 34.6 | 35.9 | 36.2 | 36.2 |
| 1900 | 278 | 22.4 | 23.2 | 25.8 | 27.6 | 29.6 | 31.3 | 32.4 | 33.0 | 33.3 | 33.9 | 34.0 | 34.0 |
| 2200 | 278 | 21.5 | 23.9 | 26.0 | 26.8 | 29.2 | 30.8 | 32.0 | 32.8 | 33.3 | 33.9 | 34.0 | 34.0 |
| AUGUST | | | | | | | | | | | | | |
| 0100 | 278 | 21.7 | 24.0 | 25.0 | 26.5 | 28.9 | 30.7 | 32.0 | 32.2 | 32.6 | 33.7 | 33.9 | 33.9 |
| 0400 | 278 | 21.5 | 23.3 | 24.1 | 25.7 | 28.5 | 30.4 | 31.6 | 32.0 | 32.3 | 33.7 | 34.0 | 34.0 |
| 0700 | 279 | 23.0 | 25.9 | 26.7 | 28.5 | 30.5 | 32.0 | 32.5 | 32.7 | 33.6 | 34.7 | 34.9 | 34.9 |
| 1000 | 279 | 23.5 | 25.5 | 26.7 | 28.4 | 30.4 | 32.0 | 33.2 | 33.6 | 33.9 | 34.9 | 35.0 | 35.0 |
| 1300 | 279 | 23.7 | 25.1 | 26.2 | 27.7 | 30.2 | 32.1 | 33.2 | 33.7 | 34.0 | 34.9 | 35.0 | 35.0 |
| 1600 | 279 | 21.4 | 24.2 | 25.6 | 27.6 | 29.3 | 31.1 | 31.6 | 32.3 | 33.0 | 34.8 | 35.0 | 35.0 |
| 1900 | 279 | 22.0 | 25.8 | 26.3 | 27.6 | 29.6 | 31.9 | 32.5 | 32.8 | 33.7 | 33.9 | 34.0 | 34.0 |
| 2200 | 279 | 21.5 | 24.5 | 25.5 | 27.3 | 29.3 | 31.6 | 32.0 | 32.2 | 32.6 | 33.8 | 34.0 | 34.0 |

TABLE 5. (Concluded)

| MONTH | HOUR | NUM CRS | ABS MIN | VAPOR PRESSURE (MT/SQ M/100) PERCENTILE | | | | | | | | | | ABS MAX | |
|-----------|----------|------------|------------|--|-------|-------|-------|--------|--------|--------|--------|--------|--------|------------|--------|
| | | | | 0.135 | 1.000 | 2.280 | 5.000 | 15.900 | 50.000 | 84.100 | 95.000 | 97.720 | 99.000 | | 99.865 |
| SEPTEMBER | 0100 | 270 | 14.1 | 18.6 | 19.4 | 22.6 | 25.2 | 27.9 | 29.1 | 30.9 | 32.0 | 32.9 | 33.8 | 34.0 | |
| | 0400 | 270 | 18.0 | 19.5 | 20.7 | 22.6 | 25.8 | 27.7 | 29.7 | 31.4 | 32.1 | 32.8 | 33.0 | 33.1 | |
| | 0700 | 270 | 20.0 | 20.3 | 22.1 | 23.9 | 26.2 | 28.5 | 30.8 | 32.1 | 32.7 | 33.1 | 33.8 | 34.0 | |
| | 1000 | 270 | 18.9 | 20.3 | 21.7 | 23.9 | 26.4 | 29.2 | 32.0 | 33.1 | 33.7 | 34.0 | 34.7 | 34.8 | |
| | 1300 | 269 | 18.7 | 20.4 | 21.5 | 23.7 | 26.0 | 29.2 | 31.9 | 33.0 | 33.6 | 34.0 | 36.2 | 36.6 | |
| | 1600 | 270 | 17.6 | 19.7 | 22.0 | 23.4 | 26.0 | 28.8 | 31.7 | 32.8 | 33.3 | 33.9 | 34.8 | 35.0 | |
| | 1900 | 270 | 14.5 | 15.7 | 21.8 | 23.3 | 24.8 | 27.5 | 30.4 | 30.9 | 31.6 | 31.6 | 33.6 | 34.0 | |
| | 2200 | 270 | 13.5 | 20.8 | 21.6 | 22.3 | 25.1 | 27.7 | 30.4 | 30.7 | 31.9 | 33.1 | 33.8 | 34.0 | |
| | OCTOBER | 0100 | 279 | 10.0 | 10.4 | 11.8 | 13.9 | 17.8 | 23.6 | 28.4 | 30.5 | 31.5 | 32.4 | 33.7 | 34.0 |
| | | 0400 | 279 | 9.5 | 10.4 | 11.4 | 13.3 | 17.5 | 23.1 | 28.1 | 30.2 | 30.7 | 31.5 | 32.7 | 32.9 |
| 0700 | | 279 | 9.2 | 9.9 | 11.8 | 13.3 | 17.6 | 23.3 | 28.2 | 30.0 | 30.6 | 31.7 | 33.6 | 34.0 | |
| 1000 | | 278 | 7.0 | 11.0 | 12.1 | 13.2 | 17.0 | 24.2 | 28.1 | 30.4 | 31.6 | 31.0 | 35.6 | 36.4 | |
| 1300 | | 279 | 7.0 | 9.6 | 10.6 | 11.6 | 17.6 | 23.8 | 28.1 | 30.3 | 29.7 | 32.8 | 33.9 | 34.1 | |
| 1600 | | 279 | 7.0 | 9.9 | 10.4 | 12.9 | 17.7 | 24.1 | 27.9 | 30.7 | 31.8 | 31.2 | 32.7 | 33.0 | |
| 1900 | | 279 | 9.2 | 10.7 | 12.2 | 13.5 | 17.5 | 23.8 | 28.8 | 30.7 | 31.6 | 32.3 | 32.8 | 32.9 | |
| 2200 | | 279 | 9.3 | 10.7 | 12.4 | 13.7 | 17.8 | 23.6 | 28.5 | 30.7 | 31.7 | 32.4 | 32.8 | 32.9 | |
| NOVEMBER | | 0100 | 282 | 4.8 | 5.1 | 6.2 | 7.4 | 12.0 | 18.4 | 23.2 | 25.6 | 27.0 | 27.8 | 30.1 | 30.5 |
| | | 0400 | 282 | 4.1 | 4.9 | 5.8 | 7.6 | 11.9 | 18.2 | 22.9 | 25.5 | 26.6 | 27.6 | 28.4 | 28.5 |
| | 0700 | 282 | 3.5 | 4.6 | 5.6 | 7.8 | 11.5 | 18.0 | 22.9 | 25.2 | 26.1 | 26.8 | 29.1 | 29.5 | |
| | 1000 | 282 | 3.9 | 4.7 | 6.7 | 8.3 | 12.9 | 19.4 | 24.7 | 26.6 | 27.9 | 28.7 | 28.7 | 28.7 | |
| | 1300 | 282 | 3.5 | 5.4 | 6.2 | 8.6 | 12.7 | 19.0 | 24.1 | 26.8 | 27.9 | 29.5 | 29.6 | 29.7 | |
| | 1600 | 282 | 3.0 | 4.7 | 5.8 | 7.6 | 12.6 | 18.8 | 24.2 | 26.5 | 27.7 | 29.6 | 30.4 | 30.6 | |
| | 1900 | 282 | 4.6 | 5.8 | 6.8 | 8.1 | 12.2 | 18.7 | 23.5 | 26.2 | 27.5 | 29.1 | 30.3 | 30.6 | |
| | 2200 | 282 | 3.8 | 5.5 | 6.4 | 7.5 | 11.9 | 18.5 | 23.3 | 26.2 | 27.1 | 27.7 | 27.9 | 28.0 | |
| | DECEMBER | 0100 | 335 | 3.2 | 3.9 | 4.7 | 5.9 | 8.9 | 15.6 | 20.8 | 23.0 | 24.2 | 25.1 | 25.7 | 25.8 |
| | | 0400 | 335 | 3.0 | 3.9 | 4.7 | 5.5 | 8.9 | 15.2 | 20.3 | 22.9 | 23.8 | 24.2 | 25.5 | 25.7 |
| 0700 | | 336 | 2.7 | 3.6 | 4.2 | 5.6 | 8.6 | 14.8 | 20.0 | 23.1 | 23.8 | 24.2 | 25.4 | 25.7 | |
| 1000 | | 336 | 2.0 | 3.2 | 2.4 | 5.6 | 8.9 | 15.9 | 21.7 | 24.1 | 24.9 | 24.5 | 27.8 | 28.3 | |
| 1300 | | 336 | 2.7 | 3.6 | 4.8 | 6.0 | 9.2 | 16.4 | 22.3 | 25.0 | 26.1 | 26.6 | 26.8 | 26.8 | |
| 1600 | | 336 | 2.5 | 4.0 | 4.8 | 6.0 | 9.3 | 16.3 | 22.3 | 25.2 | 26.1 | 26.5 | 26.7 | 26.7 | |
| 1900 | | 335 | 3.6 | 4.3 | 5.1 | 6.4 | 9.3 | 16.2 | 22.1 | 24.7 | 25.4 | 26.0 | 26.6 | 26.6 | |
| 2200 | | 335 | 3.5 | 4.3 | 5.0 | 6.2 | 8.7 | 15.9 | 21.5 | 23.9 | 24.9 | 25.4 | 26.3 | 26.5 | |
| // *END | | | | | | | | | | | | | | | |

TABLE 6. CAPE KENNEDY MIXING RATIO

| HOUR | NUM OBS | ABS MIN | MIXING RATIO (G/KG) | | | | | | | | | | ABS* MAX |
|----------|------------|------------|---------------------|-------|-------|-------|--------|--------|--------|--------|--------|--------|-------------|
| | | | 0.135 | 1.000 | 2.280 | 5.000 | 15.900 | 50.000 | 84.100 | 95.000 | 97.720 | 99.000 | |
| JANUARY | | | | | | | | | | | | | |
| 0100 | 341 | 1.9 | 2.9 | 3.2 | 4.1 | 5.6 | 9.4 | 12.5 | 13.9 | 14.6 | 14.9 | 15.6 | 15.7 |
| 0400 | 341 | 2.0 | 2.8 | 3.1 | 3.8 | 5.5 | 9.1 | 12.1 | 14.0 | 14.5 | 14.9 | 15.5 | 15.7 |
| 0700 | 341 | 2.0 | 2.4 | 2.8 | 3.5 | 5.2 | 8.9 | 11.8 | 13.7 | 14.3 | 14.5 | 15.0 | 15.1 |
| 1000 | 341 | 1.7 | 2.5 | 2.9 | 3.5 | 5.9 | 9.9 | 13.3 | 14.7 | 15.4 | 15.6 | 16.5 | 16.8 |
| 1300 | 341 | 1.4 | 1.4 | 1.5 | 3.2 | 4.9 | 8.7 | 13.0 | 14.3 | 13.9 | 14.6 | 16.5 | 16.8 |
| 1600 | 341 | 1.6 | 2.2 | 2.9 | 3.6 | 5.8 | 9.9 | 13.4 | 14.7 | 15.1 | 15.5 | 16.0 | 16.1 |
| 1900 | 341 | 1.9 | 2.8 | 3.3 | 4.0 | 5.8 | 9.6 | 12.9 | 14.3 | 14.8 | 15.1 | 15.6 | 15.7 |
| 2200 | 341 | 1.9 | 2.9 | 3.1 | 3.8 | 5.4 | 9.4 | 12.7 | 14.3 | 14.9 | 15.2 | 15.6 | 15.7 |
| FEBRUARY | | | | | | | | | | | | | |
| 0100 | 310 | 1.7 | 2.9 | 3.2 | 3.7 | 5.4 | 9.2 | 12.9 | 14.4 | 15.0 | 15.4 | 15.7 | 15.8 |
| 0400 | 310 | 1.9 | 2.9 | 2.9 | 3.7 | 5.2 | 9.1 | 12.7 | 13.9 | 14.4 | 14.9 | 15.5 | 15.6 |
| 0700 | 310 | 1.6 | 2.1 | 2.5 | 3.6 | 5.0 | 9.0 | 12.6 | 13.7 | 14.0 | 14.5 | 15.4 | 15.6 |
| 1000 | 310 | 1.8 | 2.0 | 2.4 | 3.5 | 5.4 | 9.7 | 13.4 | 15.1 | 15.7 | 16.2 | 17.0 | 17.2 |
| 1300 | 310 | 1.6 | 1.9 | 2.4 | 3.2 | 5.3 | 9.4 | 13.2 | 14.8 | 15.5 | 16.0 | 16.7 | 16.8 |
| 1600 | 310 | 1.8 | 2.0 | 2.5 | 3.5 | 5.4 | 9.5 | 13.5 | 15.2 | 15.7 | 15.9 | 16.7 | 16.9 |
| 1900 | 309 | 2.0 | 2.3 | 2.8 | 3.9 | 5.8 | 9.6 | 13.3 | 15.0 | 15.4 | 15.7 | 18.4 | 18.9 |
| 2200 | 310 | 1.9 | 2.5 | 3.0 | 4.0 | 5.4 | 9.3 | 13.4 | 15.0 | 15.5 | 15.9 | 16.1 | 16.2 |
| MARCH | | | | | | | | | | | | | |
| 0100 | 341 | 2.8 | 3.5 | 3.9 | 4.7 | 6.1 | 10.1 | 13.4 | 14.9 | 15.5 | 15.9 | 16.1 | 16.2 |
| 0400 | 341 | 1.4 | 3.1 | 2.7 | 3.3 | 5.9 | 8.9 | 12.2 | 13.6 | 14.2 | 15.0 | 16.8 | 17.1 |
| 0700 | 341 | 1.8 | 2.3 | 3.1 | 3.6 | 4.6 | 8.9 | 12.3 | 13.4 | 15.3 | 14.8 | 16.8 | 17.2 |
| 1000 | 341 | 1.9 | 2.6 | 3.0 | 3.8 | 5.8 | 10.4 | 14.1 | 15.7 | 16.4 | 16.9 | 17.7 | 17.9 |
| 1300 | 341 | 2.0 | 3.0 | 3.4 | 4.1 | 5.7 | 10.1 | 13.9 | 15.5 | 16.0 | 16.7 | 17.6 | 17.8 |
| 1600 | 340 | 2.5 | 3.0 | 3.4 | 4.0 | 5.9 | 10.2 | 13.8 | 15.4 | 16.1 | 16.5 | 19.1 | 19.5 |
| 1900 | 341 | 2.2 | 2.9 | 3.5 | 4.4 | 6.3 | 10.7 | 13.8 | 15.2 | 15.7 | 16.0 | 16.2 | 16.3 |
| 2200 | 341 | 3.2 | 3.4 | 3.9 | 4.3 | 6.3 | 10.5 | 13.5 | 15.2 | 15.8 | 16.1 | 16.7 | 16.9 |
| APRIL | | | | | | | | | | | | | |
| 0100 | 316 | 3.7 | 5.5 | 5.0 | 5.6 | 8.9 | 12.3 | 14.4 | 15.7 | 15.3 | 16.1 | 17.2 | 17.4 |
| 0400 | 316 | 4.1 | 5.4 | 6.0 | 5.6 | 8.0 | 11.4 | 14.6 | 14.8 | 16.4 | 16.1 | 17.1 | 17.3 |
| 0700 | 316 | 5.0 | 5.7 | 6.6 | 7.3 | 9.2 | 12.7 | 15.3 | 16.3 | 16.7 | 16.9 | 17.3 | 17.4 |
| 1000 | 315 | 5.2 | 5.6 | 6.4 | 7.1 | 9.2 | 12.6 | 15.1 | 16.5 | 17.1 | 17.5 | 18.1 | 18.2 |
| 1300 | 315 | 4.1 | 4.6 | 5.2 | 5.6 | 8.8 | 12.3 | 15.2 | 15.3 | 16.0 | 16.8 | 17.5 | 17.7 |
| 1600 | 314 | 5.2 | 5.9 | 6.4 | 7.3 | 9.2 | 12.7 | 15.4 | 16.7 | 17.2 | 17.5 | 19.3 | 19.6 |
| 1900 | 315 | 5.2 | 5.7 | 6.3 | 7.0 | 9.1 | 12.8 | 15.2 | 16.2 | 16.7 | 17.2 | 17.3 | 17.4 |
| 2200 | 315 | 5.2 | 5.6 | 6.2 | 6.9 | 9.1 | 12.9 | 15.2 | 16.0 | 16.4 | 16.8 | 17.3 | 17.4 |

* For period of record.

TABLE 6. (Continued)

| MONTH | HOUR | NUM OBS | ABS MIN | MIXING RATIO (G/KG) PERCENTILE | | | | | | | | | | ABS MAX | |
|-------|--------|------------|------------|-----------------------------------|-------|-------|-------|--------|--------|--------|--------|--------|--------|------------|--------|
| | | | | 0.135 | 1.000 | 2.280 | 5.000 | 15.000 | 50.000 | 84.100 | 95.000 | 97.720 | 99.000 | | 99.865 |
| MAY | 0100 | 310 | 5.9 | 8.1 | 8.8 | 9.3 | 10.8 | 13.9 | 15.7 | 17.2 | 16.8 | 17.7 | 19.4 | 18.6 | |
| | 0400 | 311 | 7.2 | 8.0 | 8.5 | 9.3 | 11.2 | 14.7 | 16.3 | 17.2 | 17.6 | 17.9 | 18.3 | 18.4 | |
| | 0700 | 310 | 7.7 | 8.7 | 9.5 | 10.7 | 12.5 | 15.4 | 17.4 | 18.4 | 18.7 | 19.0 | 19.9 | 20.1 | |
| | 1000 | 310 | 5.6 | 7.1 | 7.8 | 9.0 | 10.7 | 14.5 | 16.6 | 16.8 | 17.5 | 19.0 | 19.9 | 20.2 | |
| | 1300 | 310 | 6.2 | 7.1 | 7.8 | 9.9 | 10.7 | 14.5 | 16.3 | 17.5 | 18.2 | 19.6 | 19.8 | 20.0 | |
| | 1600 | 310 | 6.9 | 7.3 | 8.9 | 10.0 | 12.1 | 15.3 | 17.5 | 18.4 | 18.8 | 19.1 | 19.6 | 19.7 | |
| | 1900 | 310 | 6.1 | 8.0 | 8.3 | 9.6 | 11.5 | 14.6 | 16.2 | 18.0 | 18.5 | 18.1 | 19.3 | 19.5 | |
| | 2200 | 310 | 7.5 | 8.1 | 9.2 | 10.2 | 12.1 | 15.1 | 17.1 | 18.2 | 18.8 | 19.0 | 19.0 | 19.0 | |
| | JUNE | 0100 | 270 | 9.3 | 11.1 | 12.3 | 13.1 | 14.6 | 17.1 | 18.1 | 19.2 | 18.8 | 19.5 | 20.9 | 21.2 |
| | | 0400 | 270 | 8.6 | 10.7 | 12.1 | 12.6 | 14.0 | 16.5 | 17.3 | 19.1 | 18.8 | 19.6 | 20.2 | 20.3 |
| 0700 | | 270 | 11.3 | 11.7 | 13.2 | 14.6 | 16.5 | 18.2 | 19.7 | 20.5 | 20.8 | 21.7 | 22.1 | 22.2 | |
| 1000 | | 270 | 10.1 | 11.1 | 13.6 | 14.7 | 16.1 | 17.7 | 19.3 | 20.3 | 20.7 | 21.0 | 21.5 | 21.6 | |
| 1300 | | 270 | 10.5 | 11.2 | 13.1 | 14.4 | 16.3 | 17.8 | 19.5 | 20.3 | 20.8 | 21.8 | 22.3 | 22.4 | |
| 1600 | | 269 | 10.5 | 12.0 | 13.0 | 14.6 | 16.0 | 17.8 | 19.4 | 20.3 | 20.7 | 21.3 | 23.0 | 23.3 | |
| 1900 | | 270 | 10.4 | 11.5 | 12.8 | 14.2 | 15.8 | 17.6 | 19.0 | 19.8 | 20.1 | 20.3 | 21.3 | 21.5 | |
| 2200 | | 270 | 10.4 | 11.4 | 12.7 | 14.1 | 15.6 | 17.4 | 18.7 | 19.5 | 19.9 | 20.5 | 21.6 | 21.8 | |
| JULY | | 0100 | 279 | 12.5 | 14.1 | 14.4 | 14.8 | 16.2 | 17.9 | 18.9 | 19.3 | 20.4 | 20.1 | 21.3 | 21.5 |
| | | 0400 | 279 | 12.9 | 13.9 | 14.1 | 14.5 | 15.7 | 17.3 | 19.1 | 19.5 | 19.3 | 19.7 | 20.6 | 20.8 |
| | 0700 | 279 | 16.1 | 16.3 | 16.8 | 17.3 | 18.2 | 19.4 | 20.4 | 20.8 | 21.4 | 21.5 | 21.5 | 21.5 | |
| | 1000 | 279 | 15.2 | 15.8 | 16.2 | 16.7 | 17.6 | 18.8 | 20.0 | 20.7 | 21.1 | 21.7 | 22.1 | 22.2 | |
| | 1300 | 276 | 14.6 | 15.4 | 16.0 | 16.5 | 17.4 | 18.8 | 20.2 | 20.9 | 21.3 | 21.6 | 22.9 | 23.2 | |
| | 1600 | 277 | 14.9 | 15.3 | 15.9 | 16.3 | 17.5 | 18.8 | 20.2 | 21.1 | 21.4 | 21.6 | 22.9 | 23.1 | |
| | 1900 | 278 | 14.0 | 14.5 | 15.6 | 16.2 | 17.3 | 18.6 | 19.7 | 20.5 | 20.7 | 21.0 | 21.5 | 21.6 | |
| | 2200 | 278 | 13.5 | 15.0 | 15.8 | 16.2 | 16.8 | 18.5 | 19.6 | 20.2 | 20.5 | 20.8 | 21.4 | 21.5 | |
| | AUGUST | 0100 | 278 | 13.6 | 14.3 | 15.0 | 15.6 | 16.7 | 18.0 | 19.4 | 20.1 | 20.3 | 20.6 | 21.4 | 21.6 |
| | | 0400 | 278 | 13.4 | 13.5 | 13.9 | 14.7 | 16.1 | 17.5 | 19.1 | 19.9 | 19.7 | 20.1 | 21.3 | 21.5 |
| 0700 | | 278 | 14.4 | 15.2 | 16.5 | 16.8 | 17.9 | 19.3 | 20.1 | 20.6 | 20.9 | 21.2 | 21.9 | 22.1 | |
| 1000 | | 279 | 14.6 | 15.4 | 16.0 | 16.7 | 17.7 | 19.2 | 20.2 | 21.0 | 21.3 | 21.7 | 22.1 | 22.2 | |
| 1300 | | 279 | 15.0 | 15.1 | 15.8 | 16.4 | 17.6 | 18.8 | 20.3 | 21.0 | 21.3 | 21.7 | 22.2 | 22.3 | |
| 1600 | | 279 | 13.3 | 14.4 | 15.1 | 15.8 | 16.9 | 18.8 | 19.7 | 20.6 | 20.4 | 21.4 | 22.1 | 22.3 | |
| 1900 | | 279 | 13.8 | 15.8 | 16.1 | 16.6 | 17.5 | 18.7 | 20.1 | 20.6 | 21.0 | 21.4 | 21.5 | 21.6 | |
| 2200 | | 279 | 13.5 | 14.1 | 15.3 | 16.0 | 17.1 | 18.5 | 19.6 | 20.2 | 20.3 | 20.8 | 21.5 | 21.6 | |

TABLE 6. (Concluded)

| HOUR | NUM OBS | ABS MIN | 0.135 | 1.000 | 2.280 | 5.000 | MIXING RATIO (G/GST PERCENTILE) | | | | | | | ABS MAX |
|-----------|------------|------------|-------|-------|-------|-------|------------------------------------|--------|--------|--------|--------|--------|--------|------------|
| | | | | | | | 15.900 | 50.000 | 84.100 | 95.000 | 97.720 | 99.000 | 99.865 | |
| SEPTEMBER | | | | | | | | | | | | | | |
| 0100 | 270 | 8.7 | | 12.3 | 12.7 | 14.2 | 15.5 | 17.4 | 18.8 | 19.5 | 19.9 | 21.2 | 21.4 | 21.5 |
| 0400 | 270 | 11.2 | | 11.8 | 12.6 | 13.5 | 15.0 | 16.8 | 18.0 | 19.2 | 19.5 | 20.7 | 20.8 | 20.9 |
| 0700 | 270 | 12.5 | | 12.8 | 13.9 | 14.9 | 16.4 | 17.9 | 19.2 | 20.2 | 20.5 | 20.9 | 21.5 | 21.6 |
| 1000 | 270 | 11.7 | | 13.0 | 13.6 | 14.9 | 16.7 | 18.6 | 20.1 | 21.0 | 21.5 | 21.7 | 21.9 | 22.0 |
| 1300 | 269 | 11.7 | | 12.7 | 13.6 | 14.8 | 16.5 | 18.5 | 20.1 | 21.0 | 21.3 | 21.6 | 23.0 | 23.3 |
| 1600 | 270 | 11.0 | | 12.4 | 13.8 | 14.0 | 15.8 | 17.7 | 19.7 | 20.0 | 21.2 | 20.9 | 22.1 | 22.3 |
| 1900 | 270 | 9.1 | | 12.7 | 13.8 | 14.6 | 16.1 | 17.1 | 18.6 | 19.5 | 20.1 | 19.9 | 21.2 | 21.5 |
| 2200 | 270 | 8.4 | | 13.3 | 13.7 | 14.1 | 15.5 | 17.3 | 18.7 | 19.5 | 20.0 | 21.2 | 21.4 | 21.5 |
| OCTOBER | | | | | | | | | | | | | | |
| 0100 | 279 | 6.1 | | 6.5 | 7.3 | 8.6 | 11.0 | 14.8 | 18.0 | 19.5 | 20.1 | 20.8 | 21.5 | 21.7 |
| 0400 | 279 | 5.9 | | 6.2 | 6.9 | 8.2 | 10.8 | 14.6 | 17.7 | 19.2 | 19.6 | 20.2 | 20.8 | 21.0 |
| 0700 | 279 | 5.7 | | 6.1 | 7.3 | 8.3 | 11.1 | 14.7 | 17.8 | 19.1 | 19.6 | 20.3 | 21.5 | 21.7 |
| 1000 | 278 | 4.3 | | 6.5 | 7.2 | 8.1 | 11.0 | 14.6 | 17.9 | 19.5 | 18.9 | 19.9 | 22.8 | 23.3 |
| 1300 | 279 | 4.4 | | 6.7 | 7.3 | 8.0 | 11.3 | 15.5 | 18.4 | 19.9 | 20.3 | 21.3 | 21.6 | 21.7 |
| 1600 | 279 | 4.3 | | 5.5 | 6.0 | 7.8 | 9.8 | 14.7 | 17.7 | 19.6 | 19.0 | 20.0 | 20.8 | 21.0 |
| 1900 | 279 | 5.6 | | 6.5 | 7.3 | 8.3 | 11.0 | 14.9 | 18.2 | 19.6 | 20.2 | 20.7 | 20.9 | 21.0 |
| 2200 | 279 | 5.7 | | 6.5 | 7.7 | 8.5 | 10.9 | 14.8 | 18.1 | 19.6 | 20.3 | 20.8 | 20.9 | 21.0 |
| NOVEMBER | | | | | | | | | | | | | | |
| 0100 | 282 | 2.9 | | 3.3 | 3.8 | 4.6 | 7.4 | 11.3 | 14.6 | 16.1 | 17.1 | 17.6 | 19.2 | 19.5 |
| 0400 | 282 | 2.6 | | 3.0 | 3.4 | 4.5 | 7.3 | 11.2 | 14.3 | 16.0 | 16.6 | 17.4 | 18.0 | 18.1 |
| 0700 | 282 | 2.1 | | 2.7 | 3.7 | 4.6 | 7.1 | 11.2 | 14.1 | 15.8 | 16.3 | 16.9 | 18.3 | 18.6 |
| 1000 | 282 | 2.3 | | 2.7 | 3.9 | 5.1 | 8.0 | 12.0 | 15.4 | 16.7 | 17.5 | 18.1 | 18.1 | 18.2 |
| 1300 | 282 | 2.1 | | 3.0 | 3.6 | 5.1 | 7.8 | 11.7 | 15.2 | 16.8 | 17.6 | 18.6 | 18.7 | 18.8 |
| 1600 | 282 | 1.9 | | 2.6 | 2.1 | 3.8 | 6.9 | 10.3 | 14.3 | 15.7 | 16.4 | 18.3 | 19.2 | 19.4 |
| 1900 | 282 | 2.8 | | 3.6 | 4.1 | 4.9 | 7.6 | 11.5 | 15.0 | 16.2 | 17.4 | 18.4 | 19.2 | 19.4 |
| 2200 | 283 | 2.3 | | 3.2 | 3.9 | 4.6 | 7.3 | 11.4 | 14.7 | 16.2 | 17.1 | 17.5 | 17.6 | 17.7 |
| DECEMBER | | | | | | | | | | | | | | |
| 0100 | 335 | 2.0 | | 2.3 | 2.9 | 3.7 | 5.5 | 9.8 | 13.0 | 14.5 | 15.1 | 15.5 | 16.2 | 16.3 |
| 0400 | 335 | 1.9 | | 2.4 | 2.8 | 3.4 | 5.4 | 9.4 | 12.7 | 14.4 | 14.9 | 15.4 | 16.0 | 16.2 |
| 0700 | 336 | 1.6 | | 2.1 | 2.5 | 3.4 | 5.3 | 9.1 | 12.5 | 14.4 | 14.9 | 15.4 | 16.1 | 16.2 |
| 1000 | 336 | 1.2 | | 1.9 | 1.3 | 3.4 | 5.4 | 9.7 | 13.0 | 14.3 | 14.9 | 15.9 | 17.4 | 17.7 |
| 1300 | 336 | 1.6 | | 1.3 | 2.9 | 3.7 | 5.6 | 10.1 | 13.9 | 15.7 | 16.1 | 16.4 | 16.9 | 17.0 |
| 1600 | 336 | 1.5 | | 2.6 | 2.9 | 3.7 | 5.7 | 10.1 | 13.9 | 15.7 | 16.1 | 16.3 | 16.8 | 16.9 |
| 1900 | 335 | 2.2 | | 2.6 | 3.4 | 4.0 | 5.7 | 10.0 | 13.7 | 15.3 | 15.6 | 16.0 | 16.6 | 16.7 |
| 2200 | 335 | 2.1 | | 2.6 | 3.1 | 3.8 | 5.3 | 9.9 | 13.3 | 15.0 | 15.4 | 15.6 | 16.6 | 16.8 |

// *END

TABLE 7. CAPE KENNEDY DENSITY

| HOUR | NUM ORS | ARS MIN | DENSITY (G/CC M) PERCENTILE | | | | | | | 97.720 | 99.000 | 99.865 | ABS* MAX |
|----------|------------|------------|--------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------------|
| | | | 0.135 | 1.000 | 2.280 | 5.000 | 15.900 | 50.000 | 84.100 | | | | |
| JANUARY | | | | | | | | | | | | | |
| 0100 | 341 | 1179.0 | 1187.5 | 1192.0 | 1196.9 | 1207.0 | 1225.6 | 1258.5 | 1241.7 | 1290.9 | 1294.3 | 1306.1 | 1308.0 |
| 0400 | 341 | 1175.0 | 1187.7 | 1190.0 | 1196.0 | 1209.3 | 1227.0 | 1250.8 | 1292.1 | 1295.9 | 1303.2 | 1315.0 | 1318.0 |
| 0700 | 341 | 1184.0 | 1187.9 | 1190.6 | 1198.3 | 1212.1 | 1230.4 | 1261.9 | 1287.7 | 1295.8 | 1303.7 | 1316.0 | 1318.0 |
| 1000 | 341 | 1180.0 | 1183.5 | 1187.3 | 1190.0 | 1196.8 | 1213.7 | 1240.6 | 1265.2 | 1282.1 | 1289.7 | 1299.4 | 1301.0 |
| 1300 | 341 | 1162.0 | 1166.0 | 1168.9 | 1173.7 | 1184.9 | 1204.2 | 1238.5 | 1251.5 | 1266.3 | 1272.0 | 1282.3 | 1284.0 |
| 1600 | 341 | 1155.0 | 1166.0 | 1168.6 | 1168.9 | 1173.7 | 1206.9 | 1225.2 | 1245.9 | 1248.1 | 1255.1 | 1275.7 | 1279.0 |
| 1900 | 341 | 1175.0 | 1181.9 | 1188.2 | 1193.4 | 1201.3 | 1221.2 | 1247.0 | 1265.9 | 1282.1 | 1289.1 | 1298.5 | 1300.0 |
| 2200 | 341 | 1184.0 | 1187.3 | 1190.7 | 1195.6 | 1205.1 | 1225.2 | 1256.5 | 1282.5 | 1293.9 | 1299.5 | 1307.7 | 1309.0 |
| FEBRUARY | | | | | | | | | | | | | |
| 0100 | 310 | 1170.0 | 1184.3 | 1187.7 | 1192.2 | 1201.1 | 1223.4 | 1256.8 | 1282.2 | 1289.6 | 1295.8 | 1300.3 | 1301.0 |
| 0400 | 310 | 1184.0 | 1187.3 | 1190.8 | 1194.0 | 1203.6 | 1224.7 | 1259.9 | 1281.6 | 1290.7 | 1298.0 | 1304.0 | 1305.0 |
| 0700 | 310 | 1184.0 | 1189.8 | 1192.2 | 1195.8 | 1205.3 | 1226.4 | 1265.5 | 1286.1 | 1294.9 | 1304.3 | 1308.3 | 1309.0 |
| 1000 | 310 | 1172.0 | 1176.2 | 1178.7 | 1182.3 | 1190.7 | 1210.2 | 1238.4 | 1263.6 | 1278.0 | 1284.8 | 1293.6 | 1295.0 |
| 1300 | 310 | 1154.0 | 1155.9 | 1165.2 | 1171.4 | 1180.4 | 1202.5 | 1228.3 | 1248.3 | 1257.9 | 1270.2 | 1274.3 | 1275.0 |
| 1600 | 310 | 1152.0 | 1158.4 | 1166.3 | 1172.0 | 1180.9 | 1203.9 | 1227.2 | 1245.3 | 1252.8 | 1261.0 | 1266.1 | 1267.0 |
| 1900 | 310 | 1162.0 | 1173.7 | 1183.0 | 1185.7 | 1195.1 | 1216.3 | 1244.3 | 1263.6 | 1270.6 | 1277.7 | 1286.6 | 1288.0 |
| 2200 | 310 | 1175.0 | 1182.2 | 1185.4 | 1189.1 | 1198.3 | 1221.2 | 1253.9 | 1276.7 | 1283.0 | 1286.7 | 1294.7 | 1296.0 |
| MARCH | | | | | | | | | | | | | |
| 0100 | 341 | 1171.0 | 1180.9 | 1185.8 | 1190.4 | 1197.5 | 1217.4 | 1246.3 | 1261.9 | 1271.4 | 1279.3 | 1298.9 | 1302.0 |
| 0400 | 341 | 1171.0 | 1179.3 | 1184.6 | 1190.6 | 1199.2 | 1219.1 | 1254.0 | 1267.1 | 1273.5 | 1277.7 | 1283.1 | 1284.0 |
| 0700 | 341 | 1166.0 | 1176.9 | 1183.4 | 1190.8 | 1199.0 | 1221.1 | 1254.1 | 1269.8 | 1277.1 | 1283.6 | 1301.2 | 1308.0 |
| 1000 | 341 | 1166.0 | 1168.7 | 1172.8 | 1177.5 | 1184.8 | 1201.5 | 1226.2 | 1246.1 | 1253.9 | 1262.5 | 1275.0 | 1277.0 |
| 1300 | 341 | 1154.0 | 1154.0 | 1158.9 | 1166.1 | 1176.4 | 1195.5 | 1219.4 | 1236.2 | 1244.5 | 1251.0 | 1257.0 | 1258.0 |
| 1600 | 341 | 1147.0 | 1149.1 | 1154.7 | 1160.5 | 1172.6 | 1194.4 | 1211.9 | 1222.9 | 1228.6 | 1236.7 | 1251.6 | 1254.0 |
| 1900 | 341 | 1167.0 | 1170.1 | 1174.4 | 1182.2 | 1191.9 | 1209.7 | 1231.0 | 1248.1 | 1254.0 | 1264.1 | 1267.4 | 1268.0 |
| 2200 | 341 | 1168.0 | 1175.0 | 1183.8 | 1189.7 | 1195.8 | 1213.5 | 1242.7 | 1258.9 | 1277.1 | 1287.7 | 1292.2 | 1293.0 |
| APRIL | | | | | | | | | | | | | |
| 0100 | 316 | 1166.0 | 1177.8 | 1182.1 | 1183.2 | 1188.1 | 1199.7 | 1216.3 | 1234.5 | 1243.8 | 1250.2 | 1253.4 | 1254.0 |
| 0400 | 316 | 1167.0 | 1176.8 | 1179.8 | 1183.1 | 1189.3 | 1202.0 | 1219.4 | 1237.5 | 1245.2 | 1251.5 | 1256.2 | 1257.0 |
| 0700 | 315 | 1172.0 | 1176.7 | 1181.6 | 1188.0 | 1196.4 | 1200.4 | 1216.6 | 1230.5 | 1233.7 | 1245.2 | 1256.2 | 1258.0 |
| 1000 | 315 | 1160.0 | 1165.2 | 1168.8 | 1168.6 | 1174.4 | 1184.4 | 1198.7 | 1211.4 | 1217.1 | 1221.5 | 1234.0 | 1236.0 |
| 1300 | 315 | 1143.0 | 1150.7 | 1153.3 | 1157.3 | 1166.8 | 1180.2 | 1195.2 | 1206.4 | 1214.6 | 1217.2 | 1230.8 | 1233.0 |
| 1600 | 315 | 1141.0 | 1144.5 | 1148.8 | 1157.1 | 1168.3 | 1182.1 | 1196.4 | 1206.2 | 1212.3 | 1217.6 | 1227.4 | 1229.0 |
| 1900 | 315 | 1159.0 | 1160.2 | 1165.4 | 1172.6 | 1182.0 | 1193.2 | 1207.9 | 1219.0 | 1223.2 | 1231.3 | 1236.2 | 1237.0 |
| 2200 | 315 | 1170.0 | 1173.1 | 1176.1 | 1180.0 | 1186.7 | 1197.9 | 1213.5 | 1231.3 | 1238.4 | 1245.6 | 1251.1 | 1252.0 |

* For period of record.

TABLE 7. (Continued)

| MONTH | HOUR | NUM OBS | ABS MIN | 0.135 | 1.000 | 2.280 | 5.000 | DENSITY (G/CC M) | | | | 95.000 | 97.720 | 99.000 | 99.865 | ABS MAX |
|-------|--------|------------|------------|--------|--------|--------|--------|------------------|--------|--------|--------|--------|--------|--------|--------|------------|
| | | | | | | | | 15.900 | 50.000 | 84.100 | 95.000 | | | | | |
| MAY | 0100 | 309 | 1168.0 | 1170.9 | 1172.3 | 1174.2 | 1179.8 | 1187.6 | 1200.1 | 1211.2 | 1220.9 | 1228.5 | 1254.8 | 1259.0 | | |
| | 0400 | 310 | 1168.0 | 1171.7 | 1173.3 | 1176.3 | 1181.4 | 1189.9 | 1205.5 | 1220.7 | 1227.6 | 1231.6 | 1240.6 | 1242.0 | | |
| | 0700 | 310 | 1163.0 | 1167.4 | 1168.1 | 1169.7 | 1174.3 | 1183.3 | 1195.9 | 1207.0 | 1211.0 | 1214.8 | 1217.5 | 1218.0 | | |
| | 1000 | 310 | 1149.0 | 1153.4 | 1155.5 | 1158.1 | 1162.6 | 1171.7 | 1181.7 | 1189.3 | 1194.0 | 1197.0 | 1199.5 | 1200.0 | | |
| | 1300 | 310 | 1138.0 | 1144.4 | 1147.0 | 1150.9 | 1158.0 | 1168.1 | 1179.3 | 1187.2 | 1191.6 | 1195.4 | 1203.7 | 1205.0 | | |
| | 1600 | 310 | 1135.0 | 1146.4 | 1150.9 | 1154.7 | 1160.7 | 1170.5 | 1181.4 | 1188.9 | 1192.3 | 1195.4 | 1201.1 | 1202.0 | | |
| | 1900 | 310 | 1149.0 | 1158.5 | 1162.9 | 1165.7 | 1170.3 | 1179.9 | 1190.6 | 1197.0 | 1200.0 | 1203.0 | 1203.8 | 1204.0 | | |
| | 2200 | 310 | 1164.0 | 1167.7 | 1168.9 | 1171.3 | 1176.4 | 1185.9 | 1196.5 | 1206.9 | 1214.8 | 1220.9 | 1226.1 | 1227.0 | | |
| | JUNE | 0100 | 270 | 1159.0 | 1160.6 | 1163.0 | 1165.7 | 1170.8 | 1179.6 | 1187.0 | 1192.4 | 1196.2 | 1202.3 | 1210.7 | 1212.0 | |
| | | 0400 | 269 | 1162.0 | 1162.5 | 1164.4 | 1167.1 | 1173.6 | 1180.9 | 1190.0 | 1195.9 | 1198.4 | 1200.2 | 1222.5 | 1226.0 | |
| | | 0700 | 270 | 1156.0 | 1156.7 | 1158.5 | 1160.8 | 1165.7 | 1173.2 | 1179.8 | 1185.3 | 1188.1 | 1191.1 | 1193.6 | 1194.0 | |
| | | 1000 | 270 | 1145.0 | 1145.8 | 1147.8 | 1150.3 | 1155.0 | 1162.5 | 1170.0 | 1175.9 | 1179.2 | 1183.8 | 1187.4 | 1188.0 | |
| 1300 | | 270 | 1134.0 | 1138.3 | 1141.9 | 1145.4 | 1150.6 | 1159.3 | 1168.9 | 1175.9 | 1180.4 | 1183.6 | 1190.8 | 1192.0 | | |
| 1600 | | 270 | 1130.0 | 1135.8 | 1141.0 | 1145.8 | 1153.3 | 1162.8 | 1172.3 | 1181.6 | 1185.7 | 1191.9 | 1198.9 | 1200.0 | | |
| 1900 | | 270 | 1141.0 | 1150.5 | 1154.8 | 1157.9 | 1162.7 | 1171.2 | 1179.6 | 1185.0 | 1188.0 | 1193.2 | 1194.7 | 1195.0 | | |
| 2200 | | 270 | 1159.0 | 1159.0 | 1161.5 | 1164.2 | 1168.9 | 1178.1 | 1185.4 | 1189.9 | 1193.7 | 1198.4 | 1205.8 | 1207.0 | | |
| JULY | | 0100 | 279 | 1157.0 | 1161.1 | 1164.4 | 1166.6 | 1170.3 | 1176.7 | 1186.7 | 1192.6 | 1195.0 | 1196.9 | 1199.5 | 1200.0 | |
| | | 0400 | 278 | 1161.0 | 1163.4 | 1165.3 | 1167.6 | 1172.1 | 1178.6 | 1188.7 | 1195.8 | 1197.8 | 1199.7 | 1206.0 | 1207.0 | |
| | | 0700 | 279 | 1157.0 | 1159.0 | 1161.1 | 1163.1 | 1166.3 | 1171.3 | 1177.4 | 1182.0 | 1184.8 | 1189.1 | 1189.8 | 1190.0 | |
| | | 1000 | 279 | 1145.0 | 1145.2 | 1147.0 | 1149.1 | 1152.6 | 1159.1 | 1164.7 | 1169.6 | 1172.9 | 1175.2 | 1177.6 | 1178.0 | |
| | 1300 | 278 | 1133.0 | 1134.2 | 1140.4 | 1143.3 | 1144.5 | 1153.8 | 1158.3 | 1169.7 | 1175.9 | 1182.3 | 1186.3 | 1187.0 | | |
| | 1600 | 278 | 1140.0 | 1144.0 | 1145.6 | 1147.1 | 1150.9 | 1158.3 | 1168.3 | 1180.6 | 1187.6 | 1192.2 | 1194.6 | 1195.0 | | |
| | 1900 | 278 | 1148.0 | 1152.6 | 1155.7 | 1157.9 | 1161.5 | 1168.2 | 1176.6 | 1183.7 | 1187.2 | 1190.1 | 1191.7 | 1192.0 | | |
| | 2200 | 278 | 1157.0 | 1159.0 | 1161.4 | 1163.7 | 1168.5 | 1175.4 | 1185.1 | 1189.5 | 1191.1 | 1192.9 | 1192.9 | 1193.0 | | |
| | AUGUST | 0100 | 278 | 1162.0 | 1162.4 | 1163.5 | 1165.4 | 1170.5 | 1177.8 | 1185.0 | 1189.9 | 1191.8 | 1195.7 | 1199.4 | 1200.0 | |
| | | 0400 | 278 | 1163.0 | 1163.0 | 1164.7 | 1166.3 | 1170.8 | 1179.5 | 1187.6 | 1192.1 | 1194.8 | 1197.1 | 1203.0 | 1204.0 | |
| | | 0700 | 279 | 1159.0 | 1160.2 | 1162.0 | 1163.4 | 1167.9 | 1174.2 | 1179.8 | 1183.4 | 1185.5 | 1189.7 | 1195.1 | 1196.0 | |
| | | 1000 | 279 | 1143.0 | 1144.5 | 1146.0 | 1148.6 | 1152.7 | 1158.9 | 1164.1 | 1170.0 | 1173.6 | 1180.7 | 1182.6 | 1183.0 | |
| 1300 | | 279 | 1132.0 | 1134.2 | 1136.5 | 1139.7 | 1146.5 | 1150.9 | 1156.0 | 1166.3 | 1173.2 | 1175.5 | 1179.3 | 1180.0 | | |
| 1600 | | 279 | 1135.0 | 1141.2 | 1143.2 | 1146.3 | 1151.6 | 1158.2 | 1167.7 | 1178.2 | 1182.1 | 1188.5 | 1191.5 | 1192.0 | | |
| 1900 | | 279 | 1146.0 | 1150.5 | 1155.2 | 1157.9 | 1162.4 | 1168.2 | 1174.5 | 1180.6 | 1182.5 | 1184.8 | 1186.7 | 1187.0 | | |
| 2200 | | 279 | 1155.0 | 1158.2 | 1162.1 | 1164.8 | 1168.3 | 1174.9 | 1181.2 | 1185.9 | 1188.4 | 1192.7 | 1195.5 | 1196.0 | | |

TABLE 7. (Concluded)

| HOUR | NUM ORS | ABS MIN | 0.135 | 1.000 | 2.280 | 5.000 | DENSITY (G/GU M) | | | | | 95.000 | 97.720 | 99.000 | 99.865 | ABS MAX | |
|-----------|------------|------------|-------|--------|--------|--------|------------------|--------|--------|--------|--------|--------|--------|--------|--------|------------|--------|
| | | | | | | | 15.900 | 50.000 | 84.100 | 95.000 | 97.720 | | | | | | 99.000 |
| SEPTEMBER | | | | | | | | | | | | | | | | | |
| 0100 | 270 | 1160.0 | | 1160.8 | 1162.1 | 1163.6 | 1167.1 | 1174.4 | 1181.9 | 1188.8 | 1194.5 | 1199.7 | 1203.4 | 1204.6 | 1205.0 | 1204.0 | 1204.0 |
| 0400 | 270 | 1160.0 | | 1161.5 | 1163.5 | 1165.1 | 1169.0 | 1176.7 | 1184.7 | 1193.5 | 1196.3 | 1202.7 | 1204.6 | 1205.0 | 1204.6 | 1205.0 | 1205.0 |
| 0700 | 270 | 1159.0 | | 1160.3 | 1162.7 | 1164.0 | 1168.1 | 1175.7 | 1181.8 | 1188.7 | 1192.5 | 1195.6 | 1198.5 | 1199.0 | 1198.5 | 1199.0 | 1199.0 |
| 1000 | 270 | 1145.0 | | 1148.9 | 1151.0 | 1152.0 | 1155.0 | 1160.1 | 1167.3 | 1173.6 | 1177.6 | 1185.5 | 1189.3 | 1190.0 | 1189.3 | 1190.0 | 1190.0 |
| 1300 | 270 | 1137.0 | | 1140.5 | 1143.5 | 1145.8 | 1150.7 | 1156.4 | 1164.8 | 1172.9 | 1175.1 | 1182.5 | 1186.3 | 1187.0 | 1186.3 | 1187.0 | 1187.0 |
| 1600 | 270 | 1136.0 | | 1141.2 | 1148.2 | 1149.5 | 1153.1 | 1159.2 | 1168.0 | 1176.5 | 1181.7 | 1186.5 | 1190.3 | 1191.0 | 1190.3 | 1191.0 | 1191.0 |
| 1900 | 270 | 1154.0 | | 1156.5 | 1158.0 | 1160.0 | 1163.9 | 1169.9 | 1176.9 | 1180.9 | 1185.8 | 1188.8 | 1190.7 | 1190.7 | 1191.0 | 1190.7 | 1191.0 |
| 2200 | 270 | 1160.0 | | 1160.5 | 1162.0 | 1163.5 | 1167.0 | 1174.1 | 1181.2 | 1187.2 | 1192.2 | 1195.6 | 1203.7 | 1203.7 | 1205.0 | 1203.7 | 1205.0 |
| OCTOBER | | | | | | | | | | | | | | | | | |
| 0100 | 279 | 1153.0 | | 1157.9 | 1162.9 | 1166.1 | 1171.6 | 1182.3 | 1206.3 | 1217.9 | 1223.7 | 1236.7 | 1245.6 | 1247.0 | 1247.0 | 1247.0 | 1247.0 |
| 0400 | 279 | 1154.0 | | 1161.0 | 1163.0 | 1165.9 | 1172.5 | 1183.1 | 1208.4 | 1224.4 | 1227.9 | 1240.1 | 1246.0 | 1247.0 | 1246.0 | 1247.0 | 1247.0 |
| 0700 | 278 | 1152.0 | | 1161.1 | 1163.3 | 1166.4 | 1173.0 | 1185.3 | 1207.1 | 1223.1 | 1229.8 | 1237.1 | 1246.5 | 1248.0 | 1246.5 | 1248.0 | 1248.0 |
| 1000 | 278 | 1141.0 | | 1150.9 | 1149.6 | 1147.3 | 1159.7 | 1168.2 | 1187.2 | 1193.6 | 1197.3 | 1213.9 | 1224.3 | 1226.0 | 1224.3 | 1226.0 | 1226.0 |
| 1300 | 279 | 1142.0 | | 1144.2 | 1147.4 | 1149.9 | 1155.3 | 1166.3 | 1182.9 | 1195.4 | 1202.1 | 1209.3 | 1215.1 | 1216.0 | 1215.1 | 1216.0 | 1216.0 |
| 1600 | 279 | 1145.0 | | 1145.8 | 1148.5 | 1151.7 | 1158.2 | 1169.1 | 1184.1 | 1197.1 | 1202.1 | 1211.6 | 1214.5 | 1215.0 | 1214.5 | 1215.0 | 1215.0 |
| 1900 | 279 | 1155.0 | | 1156.5 | 1158.8 | 1161.6 | 1168.2 | 1178.9 | 1196.2 | 1213.3 | 1220.3 | 1229.8 | 1242.0 | 1244.0 | 1242.0 | 1244.0 | 1244.0 |
| 2200 | 279 | 1158.0 | | 1158.5 | 1161.4 | 1164.5 | 1170.9 | 1182.1 | 1203.4 | 1218.2 | 1223.7 | 1231.0 | 1244.8 | 1247.0 | 1244.8 | 1247.0 | 1247.0 |
| NOVEMBER | | | | | | | | | | | | | | | | | |
| 0100 | 282 | 1164.0 | | 1179.0 | 1180.1 | 1182.5 | 1188.9 | 1205.2 | 1233.4 | 1257.3 | 1270.4 | 1280.7 | 1285.2 | 1286.0 | 1285.2 | 1286.0 | 1286.0 |
| 0400 | 282 | 1161.0 | | 1179.4 | 1181.1 | 1184.4 | 1190.7 | 1207.3 | 1235.3 | 1259.5 | 1267.6 | 1274.5 | 1284.4 | 1286.0 | 1284.4 | 1286.0 | 1286.0 |
| 0700 | 282 | 1164.0 | | 1179.6 | 1181.6 | 1185.4 | 1192.7 | 1209.3 | 1237.5 | 1263.0 | 1276.6 | 1283.0 | 1283.8 | 1284.0 | 1283.8 | 1284.0 | 1284.0 |
| 1000 | 282 | 1161.0 | | 1167.2 | 1169.3 | 1172.9 | 1177.6 | 1190.7 | 1213.1 | 1233.9 | 1241.9 | 1268.3 | 1276.7 | 1278.0 | 1276.7 | 1278.0 | 1278.0 |
| 1300 | 282 | 1154.0 | | 1155.7 | 1159.8 | 1163.6 | 1170.6 | 1184.2 | 1205.1 | 1225.1 | 1237.5 | 1249.8 | 1262.0 | 1264.0 | 1262.0 | 1264.0 | 1264.0 |
| 1600 | 282 | 1151.0 | | 1154.7 | 1159.7 | 1166.1 | 1172.5 | 1188.6 | 1208.6 | 1223.9 | 1233.8 | 1245.2 | 1260.6 | 1263.0 | 1260.6 | 1263.0 | 1263.0 |
| 1900 | 282 | 1166.0 | | 1171.1 | 1175.7 | 1180.1 | 1186.9 | 1202.0 | 1225.1 | 1247.8 | 1264.2 | 1279.1 | 1287.6 | 1289.0 | 1287.6 | 1289.0 | 1289.0 |
| 2200 | 282 | 1174.0 | | 1176.5 | 1179.5 | 1181.8 | 1188.1 | 1205.1 | 1234.6 | 1259.6 | 1269.1 | 1282.7 | 1294.2 | 1296.0 | 1294.2 | 1296.0 | 1296.0 |
| DECEMBER | | | | | | | | | | | | | | | | | |
| 0100 | 335 | 1173.0 | | 1185.1 | 1189.2 | 1197.8 | 1201.1 | 1221.6 | 1259.6 | 1280.7 | 1290.0 | 1298.0 | 1310.1 | 1312.0 | 1310.1 | 1312.0 | 1312.0 |
| 0400 | 335 | 1177.0 | | 1184.5 | 1186.9 | 1193.5 | 1203.8 | 1225.1 | 1262.7 | 1278.9 | 1297.5 | 1308.8 | 1322.8 | 1325.0 | 1322.8 | 1325.0 | 1325.0 |
| 0700 | 336 | 1177.0 | | 1186.0 | 1189.8 | 1194.1 | 1205.7 | 1225.6 | 1263.3 | 1282.4 | 1297.5 | 1314.2 | 1325.2 | 1327.0 | 1325.2 | 1327.0 | 1327.0 |
| 1000 | 336 | 1172.0 | | 1175.8 | 1179.9 | 1183.2 | 1190.6 | 1208.9 | 1235.5 | 1263.1 | 1275.3 | 1280.1 | 1302.5 | 1306.0 | 1302.5 | 1306.0 | 1306.0 |
| 1300 | 336 | 1158.0 | | 1158.0 | 1165.0 | 1174.2 | 1180.5 | 1191.7 | 1224.4 | 1233.9 | 1255.0 | 1284.4 | 1289.0 | 1289.0 | 1284.4 | 1289.0 | 1289.0 |
| 1600 | 336 | 1156.0 | | 1166.7 | 1173.1 | 1177.7 | 1178.6 | 1202.9 | 1223.4 | 1235.6 | 1239.8 | 1258.6 | 1281.4 | 1285.0 | 1281.4 | 1285.0 | 1285.0 |
| 1900 | 335 | 1173.0 | | 1180.3 | 1184.3 | 1189.3 | 1196.6 | 1217.1 | 1248.6 | 1267.2 | 1282.8 | 1290.3 | 1297.8 | 1299.0 | 1297.8 | 1299.0 | 1299.0 |
| 2200 | 335 | 1176.0 | | 1183.0 | 1187.1 | 1191.2 | 1200.0 | 1219.9 | 1257.2 | 1279.3 | 1291.2 | 1298.0 | 1305.7 | 1307.0 | 1305.7 | 1307.0 | 1307.0 |

*END

TABLE 8. CAPE KENNEDY ENTHALPY

| HOUR | NUM OBS | ABS MIN | ENTHALPY (JOULES/G) | | | | | | | | | | ABS* MAX |
|----------|------------|------------|---------------------|-------|-------|-------|--------|--------|--------|--------|--------|--------|-------------|
| | | | 0.135 | 1.000 | 2.280 | 5.000 | 15.900 | 50.000 | 84.100 | 95.000 | 97.720 | 99.000 | |
| JANUARY | | | | | | | | | | | | | |
| 0100 | 341 | 20.2 | 23.7 | 25.7 | 28.7 | 35.9 | 51.1 | 61.4 | 66.2 | 68.5 | 69.4 | 71.5 | 71.8 |
| 0400 | 341 | 18.3 | 23.9 | 25.0 | 27.7 | 35.4 | 49.9 | 59.5 | 66.0 | 68.2 | 69.2 | 71.1 | 71.4 |
| 0700 | 341 | 18.3 | 21.4 | 22.9 | 27.1 | 34.6 | 49.2 | 58.3 | 64.5 | 66.5 | 67.7 | 69.1 | 69.3 |
| 1000 | 341 | 21.5 | 24.1 | 26.8 | 31.5 | 41.2 | 54.8 | 65.4 | 70.2 | 71.6 | 72.4 | 73.1 | 73.2 |
| 1300 | 341 | 23.3 | 26.8 | 28.9 | 33.2 | 42.9 | 56.7 | 68.0 | 71.7 | 73.4 | 74.3 | 78.1 | 78.7 |
| 1600 | 341 | 24.2 | 28.0 | 31.3 | 33.9 | 43.2 | 55.2 | 67.6 | 71.3 | 72.5 | 73.6 | 74.4 | 74.5 |
| 1900 | 341 | 21.2 | 25.0 | 27.6 | 31.3 | 35.1 | 52.3 | 63.0 | 67.9 | 69.3 | 70.6 | 71.1 | 71.1 |
| 2200 | 341 | 20.8 | 23.1 | 25.2 | 28.7 | 36.6 | 50.9 | 62.3 | 66.8 | 68.8 | 69.8 | 71.2 | 71.4 |
| FEBRUARY | | | | | | | | | | | | | |
| 0100 | 310 | 21.0 | 23.1 | 25.4 | 28.3 | 35.6 | 50.4 | 62.6 | 67.4 | 69.4 | 70.8 | 72.4 | 72.6 |
| 0400 | 310 | 20.4 | 22.2 | 25.4 | 28.1 | 34.7 | 50.3 | 61.4 | 65.7 | 67.2 | 68.4 | 70.4 | 70.7 |
| 0700 | 310 | 18.5 | 18.6 | 19.9 | 26.5 | 30.5 | 49.8 | 59.2 | 60.6 | 64.2 | 63.2 | 69.2 | 70.1 |
| 1000 | 310 | 22.5 | 24.5 | 27.2 | 30.9 | 40.0 | 54.9 | 67.4 | 71.2 | 72.8 | 74.7 | 77.0 | 77.4 |
| 1300 | 310 | 25.0 | 27.3 | 30.6 | 33.6 | 42.1 | 55.9 | 68.0 | 72.8 | 74.9 | 76.4 | 78.0 | 78.2 |
| 1600 | 310 | 28.1 | 29.5 | 31.6 | 34.0 | 42.1 | 55.2 | 67.9 | 72.4 | 74.4 | 76.4 | 78.0 | 78.2 |
| 1900 | 309 | 25.0 | 26.9 | 29.0 | 32.5 | 39.6 | 52.8 | 64.8 | 69.8 | 71.6 | 72.9 | 80.1 | 81.2 |
| 2200 | 310 | 23.3 | 25.0 | 26.5 | 29.3 | 36.6 | 50.9 | 64.4 | 69.9 | 71.7 | 72.6 | 73.1 | 73.2 |
| MARCH | | | | | | | | | | | | | |
| 0100 | 341 | 22.9 | 25.4 | 31.4 | 33.8 | 39.4 | 53.5 | 63.8 | 68.7 | 70.7 | 71.7 | 74.3 | 74.7 |
| 0400 | 341 | 24.2 | 27.1 | 29.4 | 32.1 | 37.6 | 52.6 | 63.1 | 67.9 | 69.3 | 71.1 | 75.3 | 76.0 |
| 0700 | 341 | 21.0 | 24.9 | 27.3 | 29.8 | 34.0 | 50.3 | 59.9 | 65.5 | 68.6 | 67.1 | 75.7 | 77.0 |
| 1000 | 341 | 24.8 | 30.9 | 32.3 | 35.7 | 43.7 | 58.1 | 68.6 | 73.5 | 75.6 | 78.0 | 78.9 | 79.1 |
| 1300 | 341 | 28.6 | 33.8 | 35.3 | 38.1 | 45.1 | 58.8 | 70.1 | 75.0 | 77.0 | 78.5 | 81.0 | 81.4 |
| 1600 | 341 | 31.3 | 35.4 | 36.8 | 38.9 | 45.0 | 58.0 | 69.4 | 74.0 | 75.8 | 77.1 | 82.8 | 83.7 |
| 1900 | 341 | 27.9 | 32.3 | 33.9 | 36.3 | 42.7 | 56.5 | 66.3 | 70.6 | 72.5 | 73.7 | 74.0 | 74.1 |
| 2200 | 341 | 24.8 | 28.3 | 30.0 | 34.2 | 41.2 | 53.1 | 64.9 | 69.8 | 72.0 | 73.9 | 75.0 | 75.1 |
| APRIL | | | | | | | | | | | | | |
| 0100 | 216 | 37.5 | 41.1 | 43.0 | 46.9 | 54.5 | 64.7 | 72.0 | 74.6 | 76.0 | 77.1 | 77.4 | 77.4 |
| 0400 | 316 | 36.9 | 39.6 | 40.1 | 43.9 | 50.9 | 61.2 | 69.1 | 72.0 | 73.6 | 74.9 | 76.7 | 77.0 |
| 0700 | 315 | 37.3 | 41.9 | 43.1 | 46.5 | 52.9 | 62.8 | 70.6 | 73.7 | 74.8 | 75.9 | 77.0 | 77.2 |
| 1000 | 315 | 40.7 | 45.5 | 48.1 | 50.3 | 56.9 | 66.4 | 73.7 | 76.6 | 78.5 | 80.3 | 82.1 | 82.4 |
| 1300 | 315 | 41.3 | 45.1 | 47.2 | 51.1 | 57.6 | 67.7 | 75.3 | 78.7 | 80.1 | 81.0 | 82.1 | 82.2 |
| 1600 | 315 | 42.3 | 46.1 | 48.2 | 51.6 | 57.4 | 66.7 | 74.4 | 78.4 | 80.5 | 82.4 | 83.9 | 84.1 |
| 1900 | 315 | 39.8 | 43.3 | 45.0 | 47.8 | 54.6 | 65.0 | 71.2 | 74.7 | 76.2 | 77.1 | 78.0 | 78.0 |
| 2200 | 315 | 37.7 | 40.5 | 42.0 | 45.4 | 53.2 | 64.0 | 70.6 | 73.1 | 74.5 | 75.4 | 77.0 | 77.2 |

* For period of record.

TABLE 8. (Continued)

| MONTH | HOUR | NUM ORS | ARS VIN | ENTHALPY (Joules/g) | | | | | | | | | | ABS MAX | | |
|-------|--------|------------|------------|---------------------|-------|-------|-------|--------|--------|--------|--------|--------|--------|------------|--------|------|
| | | | | 0.135 | 1.000 | 2.280 | 5.000 | 15.500 | 50.000 | 84.100 | 95.000 | 97.720 | 99.000 | | 99.865 | |
| MAY | 0100 | 310 | 36.7 | | 45.8 | 48.3 | 49.8 | 59.4 | 69.0 | 72.2 | 74.1 | 77.5 | 76.8 | 79.7 | 80.1 | |
| | 0400 | 310 | 44.6 | 45.3 | 49.6 | 51.3 | 58.9 | 68.7 | 74.2 | 76.9 | 79.3 | 78.2 | 79.5 | 79.5 | 79.5 | |
| | 0700 | 310 | 48.2 | 50.3 | 55.1 | 57.6 | 72.1 | 74.5 | 80.9 | 82.1 | 82.7 | 82.1 | 82.7 | 85.7 | 86.2 | |
| | 1000 | 310 | 47.3 | 54.6 | 57.7 | 61.3 | 74.5 | 80.0 | 82.3 | 83.2 | 85.0 | 85.4 | 86.9 | 88.4 | 89.9 | |
| | 1300 | 310 | 49.2 | 54.6 | 57.6 | 62.3 | 87.0 | 94.1 | 94.1 | 94.1 | 94.1 | 85.4 | 86.9 | 88.5 | 90.6 | |
| | 1600 | 310 | 52.1 | 54.3 | 57.4 | 61.4 | 74.3 | 80.5 | 82.5 | 82.1 | 82.8 | 82.1 | 82.8 | 84.3 | 84.5 | |
| | 1900 | 310 | 48.6 | 52.3 | 56.5 | 59.7 | 72.3 | 78.5 | 80.5 | 82.1 | 82.8 | 82.1 | 82.8 | 84.3 | 84.5 | |
| | 2200 | 310 | 47.6 | 49.7 | 52.3 | 56.1 | 71.3 | 77.3 | 80.3 | 81.5 | 82.3 | 81.5 | 82.3 | 82.6 | 82.6 | |
| | JUNE | 0100 | 270 | 52.8 | 61.3 | 64.7 | 67.3 | 71.9 | 76.4 | 80.8 | 83.6 | 86.0 | 84.8 | 86.0 | 88.5 | 88.5 |
| | | 0400 | 270 | 48.0 | 60.1 | 61.7 | 63.4 | 66.0 | 71.9 | 74.5 | 82.4 | 83.9 | 81.3 | 83.9 | 85.3 | 85.6 |
| 0700 | | 270 | 62.4 | 64.6 | 65.8 | 71.1 | 80.1 | 84.5 | 87.3 | 88.2 | 90.7 | 88.2 | 92.4 | 92.4 | 92.7 | |
| 1000 | | 270 | 52.8 | 65.1 | 71.3 | 73.5 | 77.2 | 82.2 | 86.4 | 88.7 | 91.9 | 90.4 | 92.2 | 92.2 | 92.2 | |
| 1300 | | 270 | 65.1 | 65.7 | 69.9 | 72.1 | 77.8 | 82.8 | 87.8 | 90.1 | 93.4 | 91.9 | 93.4 | 95.6 | 95.6 | |
| 1600 | | 270 | 64.1 | 66.9 | 69.9 | 72.3 | 76.2 | 81.7 | 86.6 | 89.9 | 92.4 | 91.2 | 92.4 | 97.3 | 98.1 | |
| 1900 | | 270 | 60.9 | 63.7 | 67.4 | 70.4 | 74.3 | 78.8 | 83.9 | 86.2 | 88.0 | 87.3 | 88.0 | 90.0 | 90.4 | |
| 2200 | | 270 | 57.8 | 62.6 | 65.5 | 68.6 | 72.9 | 77.2 | 82.0 | 84.6 | 88.0 | 86.1 | 88.0 | 90.0 | 90.4 | |
| JULY | | 0100 | 270 | 61.1 | 64.9 | 70.5 | 69.5 | 72.5 | 79.3 | 81.2 | 82.6 | 85.8 | 84.3 | 85.8 | 88.8 | 89.3 |
| | | 0400 | 270 | 62.4 | 65.7 | 67.1 | 69.5 | 73.3 | 78.7 | 82.9 | 84.9 | 86.5 | 85.8 | 86.5 | 87.0 | 87.0 |
| | 0700 | 270 | 72.4 | 74.3 | 75.7 | 77.8 | 80.0 | 83.5 | 86.9 | 89.4 | 89.9 | 89.3 | 89.9 | 91.0 | 91.2 | |
| | 1000 | 270 | 76.4 | 78.3 | 78.9 | 80.1 | 82.3 | 86.0 | 89.1 | 91.6 | 93.7 | 92.6 | 93.7 | 94.6 | 94.7 | |
| | 1300 | 270 | 75.1 | 75.7 | 76.9 | 79.2 | 82.8 | 86.7 | 90.5 | 92.6 | 95.6 | 93.7 | 95.6 | 97.0 | 97.2 | |
| | 1600 | 270 | 70.5 | 71.3 | 72.8 | 76.3 | 80.8 | 86.0 | 89.3 | 92.1 | 94.2 | 93.3 | 94.2 | 95.4 | 95.6 | |
| | 1900 | 270 | 68.4 | 70.2 | 73.6 | 74.8 | 78.0 | 82.9 | 86.1 | 88.2 | 89.9 | 89.3 | 89.9 | 90.8 | 91.0 | |
| | 2200 | 270 | 64.0 | 71.3 | 72.5 | 73.5 | 75.7 | 80.4 | 84.6 | 86.7 | 89.1 | 87.0 | 89.1 | 89.6 | 89.7 | |
| | AUGUST | 0100 | 270 | 65.5 | 68.2 | 64.0 | 71.4 | 74.8 | 79.2 | 83.3 | 85.7 | 87.5 | 86.6 | 87.5 | 88.7 | 88.9 |
| | | 0400 | 270 | 66.3 | 66.3 | 68.0 | 69.4 | 73.4 | 75.1 | 82.5 | 84.5 | 86.9 | 85.4 | 86.9 | 89.3 | 89.3 |
| 0700 | | 270 | 67.4 | 71.4 | 73.6 | 75.5 | 78.6 | 82.5 | 85.7 | 87.3 | 87.9 | 87.9 | 89.9 | 90.2 | 90.2 | |
| 1000 | | 270 | 74.3 | 75.9 | 77.5 | 79.5 | 82.2 | 86.2 | 89.3 | 91.6 | 93.3 | 92.6 | 93.3 | 93.3 | 93.3 | |
| 1300 | | 270 | 74.3 | 75.2 | 77.5 | 79.4 | 82.6 | 85.9 | 90.2 | 92.2 | 93.7 | 93.7 | 94.5 | 94.5 | 94.5 | |
| 1600 | | 270 | 70.5 | 71.8 | 74.7 | 76.7 | 80.8 | 85.9 | 90.8 | 92.7 | 92.7 | 91.5 | 92.7 | 94.5 | 94.7 | |
| 1900 | | 270 | 68.9 | 72.8 | 74.2 | 75.6 | 78.8 | 83.0 | 86.4 | 89.4 | 90.6 | 89.4 | 90.6 | 91.3 | 91.4 | |
| 2200 | | 270 | 65.3 | 68.9 | 71.2 | 73.1 | 76.9 | 81.0 | 84.5 | 86.1 | 88.4 | 87.3 | 88.4 | 90.3 | 90.6 | |

TABLE 8. (Concluded)

| MONTH | HOUR | NUM ORS | ABS MIN | 0.135 | 1.000 | 2.280 | 5.000 | ENTHALPY (Joules/g) | | | | | 95.000 | 97.720 | 99.000 | 99.865 | ABS MAX |
|-----------|------|------------|------------|-------|-------|-------|-------|---------------------|--------|--------|--------|--------|--------|--------|--------|--------|------------|
| | | | | | | | | 15.900 | 50.000 | 84.100 | 95.000 | 97.720 | | | | | |
| SEPTEMBER | 0100 | 270 | 54.4 | | 60.8 | 63.0 | 68.6 | 71.1 | 78.6 | 80.4 | 84.1 | 85.9 | 87.3 | 85.6 | 89.9 | | |
| | 0400 | 270 | 59.0 | | 61.8 | 64.3 | 67.0 | 72.3 | 77.5 | 82.2 | 84.7 | 86.2 | 87.3 | 88.0 | 88.1 | | |
| | 0700 | 270 | 63.4 | | 63.9 | 68.0 | 70.7 | 74.5 | 79.4 | 83.4 | 86.0 | 87.6 | 88.9 | 89.4 | 89.5 | | |
| | 1000 | 270 | 64.9 | | 68.2 | 71.2 | 74.6 | 79.4 | 84.2 | 88.6 | 90.7 | 92.0 | 93.0 | 93.4 | 93.5 | | |
| | 1300 | 269 | 65.9 | | 67.0 | 71.3 | 75.4 | 79.5 | 84.8 | 89.1 | 91.3 | 92.4 | 93.9 | 93.3 | 96.6 | | |
| | 1600 | 270 | 62.8 | | 68.2 | 71.4 | 74.3 | 78.3 | 83.1 | 88.2 | 90.1 | 90.9 | 92.4 | 93.3 | 93.5 | | |
| | 1900 | 270 | 56.7 | | 63.9 | 69.0 | 72.3 | 75.6 | 80.2 | 82.5 | 83.4 | 85.4 | 87.3 | 88.9 | 88.4 | | |
| | 2200 | 270 | 54.2 | | 64.3 | 69.2 | 70.4 | 73.7 | 78.2 | 83.2 | 83.6 | 85.4 | 86.7 | 88.3 | 88.7 | | |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| OCTOBER | 0100 | 279 | 40.5 | | 42.3 | 47.2 | 50.6 | 57.3 | 70.5 | 79.5 | 83.9 | 86.4 | 88.8 | 90.2 | 90.4 | | |
| | 0400 | 270 | 39.8 | | 41.6 | 44.5 | 48.9 | 56.7 | 69.7 | 78.6 | 83.1 | 84.2 | 84.9 | 87.8 | 89.3 | | |
| | 0700 | 270 | 39.8 | | 40.6 | 45.0 | 49.1 | 57.6 | 70.1 | 78.6 | 82.4 | 84.1 | 85.8 | 89.7 | 90.4 | | |
| | 1000 | 279 | 41.9 | | 47.2 | 51.8 | 54.5 | 63.9 | 75.6 | 83.6 | 87.2 | 89.3 | 91.6 | 96.5 | 97.2 | | |
| | 1300 | 270 | 43.0 | | 49.6 | 52.4 | 55.0 | 63.9 | 76.3 | 84.8 | 88.2 | 89.4 | 90.7 | 92.6 | 92.9 | | |
| | 1600 | 270 | 45.5 | | 48.7 | 51.2 | 55.8 | 62.9 | 75.5 | 83.2 | 87.1 | 88.7 | 89.9 | 90.7 | 90.8 | | |
| | 1900 | 279 | 41.1 | | 44.7 | 47.5 | 51.4 | 60.0 | 71.8 | 81.0 | 84.8 | 86.7 | 88.5 | 88.7 | 88.7 | | |
| | 2200 | 279 | 40.2 | | 44.7 | 47.6 | 50.6 | 58.3 | 71.2 | 79.9 | 84.7 | 86.7 | 88.5 | 88.7 | 88.7 | | |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| NOVEMBER | 0100 | 281 | 26.7 | | 28.6 | 30.7 | 33.4 | 44.8 | 59.0 | 68.6 | 73.5 | 75.5 | 76.6 | 81.5 | 82.2 | | |
| | 0400 | 282 | 27.1 | | 27.9 | 30.3 | 33.0 | 43.8 | 58.5 | 68.1 | 73.1 | 75.1 | 76.6 | 78.0 | 78.2 | | |
| | 0700 | 282 | 24.8 | | 24.8 | 26.5 | 31.8 | 38.0 | 54.1 | 65.2 | 70.6 | 69.2 | 72.0 | 78.7 | 79.7 | | |
| | 1000 | 282 | 26.9 | | 29.5 | 34.1 | 39.7 | 51.2 | 64.2 | 73.3 | 76.7 | 78.9 | 80.6 | 81.3 | 81.4 | | |
| | 1300 | 282 | 29.0 | | 35.6 | 37.3 | 41.8 | 52.5 | 64.8 | 73.8 | 78.7 | 80.8 | 82.4 | 84.0 | 84.3 | | |
| | 1600 | 282 | 28.3 | | 34.1 | 37.0 | 41.3 | 51.7 | 63.7 | 72.9 | 78.2 | 80.1 | 82.6 | 84.8 | 85.1 | | |
| | 1900 | 282 | 26.9 | | 28.9 | 32.4 | 36.6 | 47.4 | 60.2 | 69.9 | 74.6 | 76.6 | 79.0 | 82.0 | 82.4 | | |
| | 2200 | 282 | 25.2 | | 28.0 | 31.0 | 33.9 | 44.3 | 59.8 | 69.5 | 74.0 | 75.7 | 76.6 | 77.3 | 77.4 | | |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| DECEMBER | 0100 | 335 | 20.2 | | 23.0 | 25.7 | 29.2 | 35.5 | 52.7 | 63.5 | 67.8 | 69.9 | 71.1 | 73.8 | 74.3 | | |
| | 0400 | 335 | 17.1 | | 19.3 | 17.5 | 23.1 | 31.8 | 47.9 | 58.9 | 64.3 | 67.7 | 66.3 | 72.1 | 73.0 | | |
| | 0700 | 336 | 17.1 | | 17.1 | 22.2 | 23.2 | 32.2 | 48.9 | 59.4 | 64.2 | 67.5 | 66.3 | 72.3 | 73.2 | | |
| | 1000 | 336 | 19.8 | | 21.9 | 27.7 | 32.7 | 41.2 | 56.9 | 67.8 | 73.0 | 74.7 | 76.1 | 78.1 | 78.5 | | |
| | 1300 | 336 | 23.5 | | 29.4 | 31.8 | 36.9 | 43.2 | 58.6 | 69.3 | 74.9 | 76.5 | 77.9 | 78.7 | 78.9 | | |
| | 1600 | 336 | 25.0 | | 30.1 | 32.6 | 36.8 | 43.0 | 57.6 | 68.5 | 74.5 | 75.8 | 76.4 | 78.2 | 79.5 | | |
| | 1900 | 335 | 22.9 | | 25.5 | 28.9 | 31.0 | 38.3 | 54.3 | 65.5 | 70.6 | 72.7 | 73.5 | 74.2 | 74.3 | | |
| | 2200 | 335 | 22.1 | | 23.5 | 25.6 | 29.2 | 35.8 | 53.0 | 64.2 | 69.3 | 70.7 | 71.7 | 74.5 | 74.9 | | |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |

*FIND

TABLE 9. VANDENBERG AIR FORCE BASE TEMPERATURE

| HOUR | NUM OBS | ABS MIN | 0.135 | 1.000 | 2.500 | TEMPERATURE (C) PERCENTILE | | | | | | | 99.000 | 99.965 | ABS* MAX |
|-----------------|------------|------------|-------|-------|-------|-------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|-------------|
| | | | | | | 5.000 | 15.000 | 50.000 | 66.100 | 85.000 | 97.500 | 99.000 | | | |
| JANUARY | | | | | | | | | | | | | | | |
| 0100 | 372 | 0.6 | | 1.1 | 2.3 | 3.0 | 4.9 | 8.3 | 11.8 | 13.6 | 14.3 | 15.3 | 15.8 | 16.1 | |
| 0400 | 372 | -0.6 | | 0.4 | 1.3 | 2.2 | 4.4 | 8.1 | 11.5 | 12.3 | 13.6 | 15.0 | 16.1 | 16.1 | |
| 0700 | 372 | 1.1 | | -0.4 | 0.2 | 1.3 | 3.3 | 7.7 | 11.6 | 12.0 | 13.5 | 15.3 | 16.1 | 16.7 | |
| 1000 | 372 | 1.7 | | 0.2 | 0.2 | 1.3 | 3.3 | 12.1 | 15.3 | 17.0 | 18.7 | 20.6 | 20.6 | 20.6 | |
| 1300 | 372 | 1.7 | | 0.3 | 0.2 | 1.3 | 12.2 | 14.7 | 15.6 | 22.0 | 23.0 | 24.1 | 25.0 | 25.6 | |
| 1600 | 372 | 3.9 | | 0.6 | 0.6 | 1.3 | 11.4 | 13.5 | 15.7 | 20.2 | 21.4 | 23.9 | 25.0 | 25.6 | |
| 1900 | 372 | 1.7 | | 0.4 | 3.1 | 5.8 | 7.7 | 10.5 | 12.9 | 14.7 | 15.9 | 16.9 | 20.9 | 21.1 | |
| 2200 | 372 | 1.7 | | 2.2 | 2.9 | 6.2 | 6.0 | 9.7 | 12.2 | 14.2 | 14.7 | 15.9 | 17.8 | 18.3 | |
| FEBRUARY | | | | | | | | | | | | | | | |
| 0100 | 339 | 1.7 | | 2.6 | 3.7 | 4.6 | 6.0 | 9.0 | 11.7 | 13.6 | 14.1 | 16.0 | 18.1 | 18.3 | |
| 0400 | 339 | 0.0 | | 1.7 | 2.2 | 4.1 | 5.3 | 8.1 | 11.2 | 13.0 | 13.6 | 14.6 | 15.6 | 15.6 | |
| 0700 | 339 | -0.6 | | 1.0 | 1.7 | 3.0 | 4.6 | 7.7 | 11.0 | 12.8 | 13.6 | 14.6 | 15.6 | 15.6 | |
| 1000 | 339 | 5.0 | | 7.0 | 8.3 | 9.1 | 10.5 | 13.0 | 15.6 | 17.7 | 18.7 | 20.5 | 21.6 | 22.2 | |
| 1300 | 339 | 8.9 | | 9.4 | 9.9 | 11.0 | 12.5 | 14.6 | 17.9 | 20.8 | 21.7 | 22.9 | 23.8 | 24.4 | |
| 1600 | 339 | 3.9 | | 9.3 | 10.0 | 10.6 | 11.6 | 13.5 | 15.8 | 18.1 | 19.1 | 19.8 | 20.8 | 21.1 | |
| 1900 | 339 | 5.0 | | 6.2 | 7.2 | 7.9 | 9.1 | 10.5 | 12.5 | 13.9 | 14.7 | 16.0 | 17.5 | 17.8 | |
| 2200 | 339 | 0.6 | | 3.9 | 4.4 | 5.5 | 7.0 | 9.6 | 12.0 | 13.7 | 14.6 | 16.0 | 18.6 | 19.4 | |
| MARCH | | | | | | | | | | | | | | | |
| 0100 | 372 | 2.2 | | 3.5 | 4.0 | 5.2 | 6.7 | 9.2 | 11.0 | 13.2 | 14.9 | 16.1 | 17.2 | 17.8 | |
| 0400 | 372 | 2.2 | | 2.8 | 3.2 | 3.8 | 5.7 | 8.7 | 10.5 | 12.4 | 14.0 | 15.0 | 16.1 | 16.7 | |
| 0700 | 372 | 1.7 | | 2.3 | 3.2 | 4.1 | 5.8 | 8.7 | 10.8 | 12.7 | 13.7 | 15.2 | 15.5 | 15.6 | |
| 1000 | 372 | 6.7 | | 7.9 | 8.4 | 9.6 | 10.9 | 13.0 | 16.9 | 20.1 | 21.5 | 22.8 | 24.7 | 25.0 | |
| 1300 | 372 | 7.8 | | 9.4 | 10.2 | 11.0 | 12.5 | 14.3 | 17.4 | 20.6 | 22.5 | 23.5 | 25.6 | 26.1 | |
| 1600 | 372 | 6.1 | | 8.7 | 9.7 | 10.4 | 11.5 | 13.1 | 15.5 | 18.4 | 22.0 | 22.7 | 24.2 | 24.4 | |
| 1900 | 372 | 5.6 | | 6.8 | 7.7 | 8.4 | 9.3 | 10.8 | 12.0 | 14.0 | 15.2 | 18.2 | 20.3 | 20.6 | |
| 2200 | 372 | 3.9 | | 4.5 | 5.5 | 6.4 | 7.7 | 9.8 | 11.4 | 13.4 | 15.6 | 16.7 | 18.9 | 19.4 | |
| APRIL | | | | | | | | | | | | | | | |
| 0100 | 360 | 2.2 | | 4.9 | 5.3 | 5.7 | 7.2 | 9.3 | 11.3 | 13.4 | 15.4 | 17.4 | 19.7 | 20.0 | |
| 0400 | 360 | 2.2 | | 3.3 | 4.1 | 5.0 | 6.5 | 9.0 | 11.2 | 13.0 | 16.0 | 18.5 | 20.0 | 20.6 | |
| 0700 | 360 | 5.0 | | 5.5 | 5.7 | 6.2 | 7.8 | 9.8 | 12.3 | 14.4 | 16.5 | 18.7 | 21.6 | 21.7 | |
| 1000 | 360 | 6.7 | | 7.7 | 8.6 | 9.9 | 11.3 | 13.5 | 17.1 | 22.2 | 24.3 | 26.9 | 29.4 | 30.0 | |
| 1300 | 360 | 8.9 | | 9.4 | 10.3 | 11.0 | 12.6 | 14.5 | 17.3 | 20.7 | 23.8 | 26.7 | 30.8 | 32.2 | |
| 1600 | 360 | 8.9 | | 9.5 | 10.0 | 10.8 | 11.9 | 13.4 | 15.9 | 18.9 | 22.1 | 23.4 | 24.9 | 25.0 | |
| 1900 | 360 | 6.7 | | 7.6 | 8.2 | 8.8 | 9.7 | 10.8 | 12.6 | 15.0 | 16.5 | 18.3 | 20.6 | 21.7 | |
| 2200 | 360 | 5.0 | | 6.0 | 6.3 | 7.2 | 8.5 | 10.0 | 11.3 | 14.1 | 16.4 | 18.2 | 20.5 | 22.2 | |

* For period of record.

TABLE 9. (Continued)

| HOUR | NUM OBS | ABS MIN | TEMPERATURE (C) | | | | | | | | | | ABS MAX | | |
|------|------------|------------|-----------------|-------|-------|-------|--------|--------|--------|--------|--------|--------|------------|--------|------|
| | | | 0.135 | 1.000 | 2.280 | 5.000 | 15.900 | 50.000 | 84.100 | 95.000 | 97.720 | 99.000 | | 99.865 | |
| MAY | 0100 | 372 | 5.6 | 6.1 | 6.6 | 7.7 | 8.8 | 10.0 | 11.7 | 12.5 | 13.0 | 14.0 | 18.0 | 18.9 | |
| | 0400 | 372 | 5.0 | 5.4 | 5.9 | 7.0 | 8.3 | 9.7 | 11.4 | 12.0 | 12.8 | 14.0 | 18.0 | 18.9 | |
| | 0700 | 372 | 6.7 | 7.4 | 7.9 | 8.6 | 9.4 | 10.9 | 12.5 | 14.7 | 16.1 | 18.6 | 21.8 | 22.8 | |
| | 1000 | 372 | 9.4 | 10.2 | 10.5 | 11.0 | 12.2 | 13.8 | 16.3 | 19.1 | 21.4 | 24.8 | 32.2 | 33.3 | |
| | 1300 | 372 | 10.6 | 11.5 | 11.9 | 12.6 | 13.3 | 14.8 | 16.8 | 19.1 | 20.8 | 25.3 | 28.9 | 28.9 | |
| | 1600 | 372 | 10.0 | 10.5 | 11.2 | 11.7 | 12.6 | 13.8 | 15.7 | 17.5 | 19.2 | 21.3 | 26.1 | 27.8 | |
| | 1900 | 372 | 8.9 | 8.9 | 9.3 | 9.8 | 10.5 | 11.5 | 13.0 | 14.4 | 15.5 | 16.4 | 22.3 | 25.0 | |
| | 2200 | 372 | 6.7 | 7.2 | 8.2 | 8.8 | 9.5 | 10.7 | 11.9 | 12.9 | 13.6 | 14.4 | 16.9 | 18.9 | |
| | JUNE | 0100 | 360 | 6.7 | 7.2 | 8.6 | 9.1 | 9.9 | 11.2 | 12.9 | 14.3 | 14.9 | 15.9 | 18.6 | 21.1 |
| | | 0400 | 360 | 6.1 | 6.2 | 7.5 | 8.3 | 9.5 | 10.8 | 12.7 | 14.0 | 14.5 | 14.8 | 15.6 | 15.6 |
| 0700 | | 360 | 8.9 | 9.0 | 9.4 | 9.8 | 10.4 | 11.7 | 13.6 | 15.1 | 15.7 | 16.0 | 20.8 | 22.8 | |
| 1000 | | 360 | 10.0 | 10.7 | 11.2 | 11.7 | 12.8 | 14.8 | 16.9 | 18.9 | 20.3 | 21.1 | 23.4 | 23.9 | |
| 1300 | | 360 | 11.1 | 12.4 | 12.8 | 13.5 | 14.3 | 16.0 | 17.8 | 19.0 | 20.3 | 21.7 | 23.7 | 23.9 | |
| 1600 | | 360 | 11.1 | 11.8 | 12.8 | 12.8 | 13.7 | 15.2 | 17.0 | 18.4 | 19.4 | 20.4 | 23.1 | 23.3 | |
| 1900 | | 360 | 10.0 | 10.4 | 10.8 | 11.1 | 11.7 | 12.9 | 14.5 | 15.8 | 16.6 | 17.2 | 19.7 | 20.0 | |
| 2200 | | 360 | 7.2 | 9.0 | 9.8 | 9.9 | 10.6 | 11.7 | 13.4 | 14.6 | 15.2 | 15.7 | 16.1 | 16.1 | |
| JULY | | 0100 | 372 | 8.3 | 8.7 | 9.5 | 9.9 | 10.8 | 12.0 | 13.3 | 14.5 | 15.1 | 16.2 | 17.2 | 17.8 |
| | | 0400 | 372 | 7.2 | 7.8 | 8.7 | 9.4 | 10.4 | 11.6 | 13.0 | 13.9 | 14.5 | 15.4 | 17.2 | 18.3 |
| | 0700 | 372 | 8.9 | 9.0 | 9.6 | 10.0 | 10.8 | 12.1 | 13.6 | 15.5 | 16.4 | 18.7 | 22.9 | 26.1 | |
| | 1000 | 372 | 10.0 | 11.2 | 11.8 | 12.2 | 13.2 | 15.5 | 17.1 | 20.2 | 21.9 | 22.4 | 23.9 | 24.4 | |
| | 1300 | 372 | 11.7 | 13.0 | 13.8 | 14.4 | 15.5 | 16.9 | 18.8 | 20.7 | 22.4 | 23.6 | 26.7 | 27.8 | |
| | 1600 | 372 | 12.2 | 12.7 | 13.2 | 13.7 | 14.5 | 15.8 | 17.9 | 20.1 | 21.4 | 23.6 | 26.7 | 29.4 | |
| | 1900 | 372 | 10.0 | 10.6 | 11.2 | 11.6 | 12.2 | 13.6 | 14.9 | 16.3 | 18.6 | 19.4 | 23.9 | 25.6 | |
| | 2200 | 372 | 9.4 | 10.0 | 10.3 | 10.6 | 11.4 | 12.5 | 13.8 | 14.9 | 16.1 | 18.1 | 22.2 | 25.0 | |
| | AUGUST | 0100 | 360 | 9.4 | 9.8 | 10.3 | 10.5 | 11.5 | 12.8 | 14.0 | 14.9 | 15.3 | 16.3 | 20.5 | 21.1 |
| | | 0400 | 360 | 8.3 | 8.4 | 9.8 | 10.3 | 11.2 | 12.4 | 13.6 | 14.6 | 15.0 | 16.8 | 21.9 | 24.4 |
| 0700 | | 360 | 10.0 | 10.0 | 10.3 | 10.7 | 11.5 | 12.8 | 14.2 | 15.7 | 16.7 | 18.5 | 23.9 | 28.9 | |
| 1000 | | 360 | 11.1 | 11.9 | 12.5 | 13.0 | 13.9 | 16.1 | 19.1 | 21.5 | 22.3 | 23.6 | 32.5 | 35.6 | |
| 1300 | | 360 | 13.9 | 14.2 | 14.7 | 15.3 | 16.2 | 20.0 | 21.4 | 21.4 | 23.0 | 24.6 | 27.8 | 29.4 | |
| 1600 | | 360 | 12.2 | 13.3 | 14.0 | 14.3 | 15.1 | 16.8 | 18.5 | 20.9 | 22.5 | 22.9 | 24.7 | 25.0 | |
| 1900 | | 360 | 11.7 | 11.8 | 12.0 | 12.3 | 12.9 | 14.1 | 15.5 | 16.8 | 17.7 | 19.6 | 22.0 | 22.2 | |
| 2200 | | 360 | 10.6 | 10.6 | 11.0 | 11.4 | 12.1 | 13.3 | 14.5 | 15.3 | 15.9 | 17.4 | 19.4 | 19.4 | |

TABLE 9. (Concluded)

| MONTH | HOUR | NUM ORS | ABS MIN | 0.135 | 1.000 | 2.280 | 5.000 | TEMPERATURE (C) | | | | | 95.000 | 97.720 | 99.000 | 99.865 | ABS MAX |
|-----------|----------|------------|------------|-------|-------|-------|-------|-----------------|--------|--------|--------|--------|--------|--------|--------|--------|------------|
| | | | | | | | | 15.000 | 50.000 | 84.100 | 95.000 | 99.000 | | | | | |
| SEPTEMBER | 0100 | 360 | 8.3 | 9.7 | 9.7 | 11.2 | 13.0 | 14.7 | 15.4 | 17.9 | 18.6 | 21.4 | 21.7 | | | | |
| | 0400 | 360 | 6.8 | 7.7 | 7.7 | 10.9 | 12.8 | 14.6 | 15.9 | 16.9 | 18.6 | 20.6 | 21.1 | | | | |
| | 0700 | 360 | 7.8 | 9.1 | 9.7 | 10.4 | 13.1 | 15.0 | 17.4 | 18.9 | 20.2 | 23.0 | 23.3 | | | | |
| | 1000 | 360 | 10.6 | 11.7 | 12.3 | 13.8 | 16.7 | 21.1 | 25.6 | 29.4 | 31.3 | 34.4 | 34.4 | | | | |
| | 1300 | 360 | 12.8 | 13.0 | 14.6 | 15.0 | 18.0 | 21.2 | 25.8 | 28.3 | 30.0 | 34.8 | 35.0 | | | | |
| | 1600 | 360 | 12.8 | 12.9 | 13.4 | 14.0 | 16.3 | 19.6 | 22.5 | 25.6 | 29.6 | 30.3 | 30.6 | | | | |
| | 1900 | 360 | 11.1 | 11.5 | 11.8 | 12.2 | 14.3 | 16.1 | 18.0 | 19.9 | 20.6 | 21.4 | 21.7 | | | | |
| | 2200 | 360 | 9.4 | 9.8 | 10.5 | 11.0 | 13.5 | 15.2 | 16.9 | 17.7 | 18.5 | 20.8 | 21.7 | | | | |
| | OCTOBER | 0100 | 360 | 3.9 | 6.2 | 6.8 | 8.3 | 10.3 | 12.9 | 15.1 | 16.9 | 20.6 | 22.6 | 22.8 | | | |
| | | 0400 | 360 | 3.9 | 5.9 | 6.7 | 7.9 | 9.9 | 12.4 | 14.7 | 18.0 | 19.1 | 22.5 | 22.8 | | | |
| 0700 | | 360 | 3.9 | 6.0 | 7.3 | 8.4 | 10.0 | 12.5 | 15.2 | 19.2 | 21.4 | 24.1 | 24.4 | | | | |
| 1000 | | 360 | 10.6 | 11.6 | 12.0 | 12.8 | 17.4 | 23.0 | 29.1 | 30.9 | 32.8 | 33.6 | 33.9 | | | | |
| 1300 | | 360 | 12.8 | 13.1 | 13.9 | 14.6 | 16.0 | 22.6 | 26.9 | 30.5 | 32.9 | 35.6 | 35.7 | | | | |
| 1600 | | 360 | 12.2 | 12.5 | 12.9 | 13.6 | 14.7 | 18.0 | 20.0 | 24.8 | 28.3 | 31.1 | 32.2 | | | | |
| 1900 | | 360 | 8.9 | 9.8 | 10.4 | 10.8 | 13.8 | 15.7 | 17.6 | 20.0 | 21.3 | 22.7 | 22.8 | | | | |
| 2200 | | 360 | 5.0 | 7.4 | 8.5 | 9.5 | 11.1 | 13.2 | 15.4 | 19.6 | 21.4 | 23.6 | 23.9 | | | | |
| NOVEMBER | | 0100 | 360 | 2.8 | 3.1 | 4.5 | 5.6 | 7.9 | 11.2 | 14.1 | 15.9 | 18.5 | 20.6 | 21.1 | | | |
| | | 0400 | 360 | 0.6 | 2.4 | 3.9 | 4.7 | 7.4 | 10.5 | 13.6 | 15.7 | 17.9 | 19.7 | 20.0 | | | |
| | 0700 | 360 | 1.7 | 2.1 | 3.8 | 4.4 | 7.1 | 10.3 | 13.3 | 15.6 | 17.9 | 21.1 | 21.8 | | | | |
| | 1000 | 360 | 8.3 | 9.3 | 10.3 | 11.0 | 12.4 | 15.1 | 19.1 | 23.8 | 25.2 | 29.7 | 30.6 | | | | |
| | 1300 | 360 | 10.6 | 11.5 | 12.2 | 12.8 | 14.2 | 16.8 | 20.5 | 23.8 | 26.3 | 28.0 | 28.9 | | | | |
| | 1600 | 360 | 9.4 | 10.5 | 11.2 | 12.1 | 13.1 | 15.2 | 17.5 | 22.3 | 23.5 | 24.7 | 25.0 | | | | |
| | 1900 | 360 | 5.0 | 6.5 | 7.2 | 8.2 | 10.3 | 12.6 | 14.6 | 16.4 | 17.8 | 20.3 | 21.1 | | | | |
| | 2200 | 360 | 2.2 | 3.8 | 4.6 | 6.7 | 8.9 | 11.8 | 14.2 | 16.3 | 18.0 | 18.8 | 18.9 | | | | |
| | DECEMBER | 0100 | 360 | -2.2 | 1.2 | 2.5 | 3.3 | 5.2 | 8.5 | 11.9 | 14.1 | 15.2 | 16.9 | 17.2 | | | |
| | | 0400 | 360 | -0.6 | 0.7 | 1.2 | 2.0 | 4.4 | 7.8 | 11.2 | 14.0 | 14.9 | 16.6 | 16.7 | | | |
| 0700 | | 360 | -1.1 | -0.2 | 0.8 | 1.9 | 3.9 | 7.5 | 10.8 | 13.1 | 14.2 | 18.8 | 20.0 | | | | |
| 1000 | | 360 | 4.4 | 6.2 | 6.8 | 7.9 | 9.4 | 12.4 | 15.5 | 17.5 | 19.1 | 21.0 | 21.1 | | | | |
| 1300 | | 360 | 6.1 | 7.6 | 9.7 | 10.8 | 12.2 | 14.8 | 18.6 | 21.9 | 22.8 | 26.6 | 26.7 | | | | |
| 1600 | | 360 | 6.7 | 7.6 | 8.6 | 9.8 | 11.3 | 13.5 | 16.5 | 19.9 | 19.7 | 22.5 | 23.9 | | | | |
| 1900 | | 360 | 2.2 | 4.0 | 4.7 | 5.9 | 7.7 | 10.3 | 12.7 | 15.2 | 16.6 | 18.6 | 18.9 | | | | |
| 2200 | | 360 | -1.7 | 1.7 | 3.0 | 4.2 | 6.3 | 9.1 | 12.3 | 14.6 | 15.8 | 15.9 | 18.0 | | | | |

TABLE 10. VANDENBERG AIR FORCE BASE DEW POINT TEMPERATURE

| HOUR | NUM OBS | ABS MIN | 0.135 | 1.000 | 2.280 | DEW POINT TEMPERATURE (C) | | | | | 95.000 | 97.720 | 99.000 | 99.865 | ABS* MAX |
|----------|------------|------------|-------|-------|-------|---------------------------|--------|--------|--------|--------|--------|--------|--------|--------|-------------|
| | | | | | | 5.000 | 15.900 | 50.000 | 84.100 | 95.000 | | | | | |
| JANUARY | | | | | | | | | | | | | | | |
| 0100 | 372 | -14.4 | | -8.1 | -5.0 | -3.2 | -0.8 | 4.3 | 9.2 | 11.7 | 13.2 | 13.9 | 14.2 | 14.4 | 14.4 |
| 0400 | 372 | -15.6 | | -8.3 | -6.3 | -4.4 | -1.7 | 3.6 | 8.9 | 11.7 | 12.7 | 13.8 | 14.4 | 14.4 | 14.4 |
| 0700 | 372 | -12.2 | | -9.4 | -6.9 | -5.5 | -2.3 | 2.5 | 8.7 | 11.2 | 12.2 | 12.9 | 13.8 | 15.6 | 15.6 |
| 1000 | 372 | -9.4 | | -7.8 | -6.0 | -4.2 | -1.0 | 4.9 | 9.5 | 12.3 | 13.0 | 14.0 | 15.3 | 16.1 | 16.1 |
| 1300 | 372 | -7.8 | | -6.4 | -4.9 | -2.8 | 0.6 | 5.8 | 10.3 | 12.9 | 13.8 | 15.0 | 16.1 | 16.1 | 16.1 |
| 1600 | 372 | -6.7 | | -5.5 | -3.3 | -1.5 | 1.8 | 6.9 | 10.6 | 13.2 | 14.0 | 14.7 | 15.6 | 16.1 | 16.1 |
| 1900 | 372 | -5.6 | | -3.3 | -2.7 | -1.5 | 1.2 | 6.1 | 9.9 | 12.2 | 13.7 | 14.2 | 14.7 | 15.0 | 15.0 |
| 2200 | 372 | -11.1 | | -7.8 | -4.9 | -2.2 | 0.2 | 5.3 | 9.7 | 11.9 | 13.5 | 13.8 | 13.9 | 13.9 | 13.9 |
| FEBRUARY | | | | | | | | | | | | | | | |
| 0100 | 339 | -7.8 | | -5.6 | -4.3 | -2.5 | 0.9 | 5.7 | 9.4 | 11.7 | 12.3 | 13.0 | 14.4 | 15.0 | 15.0 |
| 0400 | 339 | -7.2 | | -6.3 | -4.8 | -2.6 | 0.2 | 4.9 | 8.9 | 11.3 | 11.9 | 12.8 | 13.9 | 14.4 | 14.4 |
| 0700 | 339 | -8.9 | | -7.3 | -4.6 | -3.3 | -0.8 | 4.0 | 8.6 | 10.8 | 12.0 | 12.6 | 13.9 | 13.9 | 13.9 |
| 1000 | 339 | -8.3 | | -7.2 | -4.8 | -2.8 | 0.8 | 6.5 | 10.1 | 12.4 | 13.4 | 14.3 | 15.3 | 15.3 | 15.3 |
| 1300 | 339 | -10.6 | | -7.8 | -4.7 | -1.5 | 2.7 | 7.1 | 10.5 | 12.3 | 13.0 | 14.0 | 14.7 | 15.0 | 15.0 |
| 1600 | 339 | -11.7 | | -3.3 | -1.8 | 0.0 | 3.9 | 7.7 | 10.8 | 12.5 | 13.2 | 13.9 | 14.8 | 15.6 | 15.6 |
| 1900 | 339 | -6.7 | | -2.4 | -1.0 | 1.7 | 4.4 | 7.5 | 10.3 | 11.9 | 12.3 | 12.8 | 13.8 | 14.4 | 14.4 |
| 2200 | 339 | -7.8 | | -3.4 | -2.0 | -1.1 | 2.6 | 6.6 | 9.7 | 11.8 | 12.4 | 12.4 | 13.8 | 14.4 | 14.4 |
| MARCH | | | | | | | | | | | | | | | |
| 0100 | 372 | -6.1 | | -3.3 | -2.4 | -0.5 | 2.5 | 6.3 | 8.8 | 10.3 | 11.0 | 12.1 | 13.0 | 13.3 | 13.3 |
| 0400 | 372 | -4.4 | | -3.3 | -2.4 | -0.6 | 1.7 | 5.6 | 8.5 | 9.7 | 10.7 | 11.1 | 12.8 | 12.8 | 12.8 |
| 0700 | 372 | -5.0 | | -3.9 | -2.4 | -0.5 | 1.6 | 5.5 | 8.1 | 9.4 | 10.2 | 10.6 | 12.0 | 12.8 | 12.8 |
| 1000 | 372 | -5.6 | | -3.2 | -2.1 | 0.2 | 2.5 | 6.6 | 9.4 | 11.0 | 11.8 | 12.2 | 13.1 | 13.3 | 13.3 |
| 1300 | 372 | -6.1 | | -4.0 | -2.6 | 1.1 | 3.9 | 7.2 | 10.0 | 11.6 | 12.4 | 13.5 | 16.7 | 16.7 | 16.7 |
| 1600 | 372 | -6.1 | | -3.3 | -0.6 | 1.2 | 4.9 | 7.7 | 9.9 | 11.3 | 12.2 | 12.9 | 13.9 | 14.4 | 14.4 |
| 1900 | 372 | -5.6 | | -1.6 | 0.6 | 2.8 | 5.0 | 7.6 | 9.4 | 10.7 | 11.5 | 12.2 | 13.1 | 13.9 | 13.9 |
| 2200 | 372 | -4.4 | | -2.3 | -1.2 | 1.2 | 4.0 | 7.1 | 9.3 | 10.4 | 11.3 | 12.4 | 13.4 | 13.9 | 13.9 |
| APRIL | | | | | | | | | | | | | | | |
| 0100 | 360 | -3.3 | | -2.2 | -0.5 | 1.3 | 4.1 | 6.9 | 9.1 | 10.4 | 10.9 | 11.7 | 12.7 | 13.3 | 13.3 |
| 0400 | 360 | -5.0 | | -2.7 | -1.2 | 0.7 | 3.3 | 6.7 | 9.0 | 10.2 | 10.8 | 11.7 | 12.5 | 12.8 | 12.8 |
| 0700 | 360 | -4.4 | | -1.2 | -0.5 | 1.8 | 3.9 | 7.0 | 9.1 | 10.3 | 10.9 | 11.8 | 12.5 | 12.8 | 12.8 |
| 1000 | 360 | -2.2 | | -1.2 | 0.1 | 1.7 | 4.3 | 7.7 | 10.1 | 11.4 | 12.3 | 12.9 | 13.8 | 13.9 | 13.9 |
| 1300 | 360 | -1.1 | | 0.5 | 1.0 | 2.9 | 5.3 | 8.1 | 10.3 | 11.4 | 11.9 | 12.7 | 13.2 | 13.3 | 13.3 |
| 1600 | 360 | -0.6 | | 1.0 | 2.2 | 3.3 | 5.6 | 8.0 | 10.2 | 11.4 | 12.5 | 13.3 | 13.3 | 13.3 | 13.3 |
| 1900 | 360 | -1.1 | | 0.5 | 1.8 | 3.4 | 5.6 | 7.8 | 9.7 | 10.8 | 11.8 | 12.8 | 14.7 | 15.0 | 15.0 |
| 2200 | 360 | -3.3 | | -0.7 | 1.7 | 2.8 | 4.9 | 7.5 | 9.5 | 10.8 | 11.5 | 12.5 | 13.0 | 13.0 | 13.0 |

* For period of record.

TABLE 10. (Continued)

| HOUR | NUM OBS | ARS MIN | DEW POINT TEMPERATURE (C) | | | | | | | | | | ABS MAX |
|--------|------------|------------|---------------------------|-------|-------|-------|---------|---------|--------|---------|--------|---------|------------|
| | | | 0.1135 | 1.000 | 2.280 | 5.000 | 15.0900 | 50.0000 | 84.100 | 95.0000 | 97.720 | 99.0000 | |
| MAY | | | | | | | | | | | | | |
| 0100 | 372 | 1.1 | 2.7 | 4.1 | 5.0 | 6.3 | 8.2 | 10.1 | 11.3 | 11.8 | 12.1 | 12.7 | 12.8 |
| 0400 | 372 | 1.1 | 2.1 | 3.3 | 4.4 | 6.0 | 8.1 | 10.0 | 11.0 | 11.6 | 11.8 | 12.1 | 12.2 |
| 0700 | 372 | 1.1 | 2.0 | 3.0 | 5.0 | 6.3 | 8.6 | 10.4 | 11.5 | 11.9 | 12.3 | 12.8 | 13.3 |
| 1000 | 372 | 1.1 | 2.1 | 3.6 | 5.0 | 6.6 | 8.9 | 10.9 | 12.3 | 13.0 | 13.5 | 14.4 | 15.0 |
| 1300 | 372 | 2.8 | 3.9 | 4.8 | 5.5 | 7.1 | 9.0 | 11.1 | 12.4 | 13.0 | 13.8 | 14.7 | 15.7 |
| 1600 | 372 | 3.3 | 4.2 | 5.0 | 5.9 | 7.0 | 9.0 | 10.9 | 12.0 | 12.6 | 13.0 | 14.6 | 15.7 |
| 1900 | 372 | 3.3 | 3.8 | 4.8 | 5.8 | 7.0 | 8.9 | 10.6 | 11.6 | 12.1 | 12.4 | 13.2 | 13.3 |
| 2200 | 372 | 0.6 | 3.7 | 4.7 | 5.4 | 6.6 | 8.7 | 10.5 | 11.3 | 11.7 | 11.9 | 12.7 | 12.8 |
| JUNE | | | | | | | | | | | | | |
| 0100 | 360 | 3.3 | 5.0 | 6.3 | 7.0 | 8.1 | 9.7 | 11.5 | 12.6 | 13.3 | 13.6 | 14.7 | 15.6 |
| 0400 | 360 | 3.9 | 4.8 | 5.7 | 6.6 | 8.0 | 9.7 | 11.4 | 12.5 | 13.2 | 13.6 | 14.7 | 15.6 |
| 0700 | 360 | 5.6 | 6.5 | 7.0 | 7.5 | 8.6 | 10.1 | 11.7 | 12.9 | 13.5 | 14.0 | 14.7 | 15.0 |
| 1000 | 360 | 5.0 | 6.6 | 7.2 | 7.8 | 8.7 | 10.5 | 12.2 | 13.5 | 14.0 | 15.1 | 16.0 | 16.1 |
| 1300 | 360 | 5.6 | 6.9 | 7.5 | 8.1 | 9.1 | 10.7 | 12.4 | 13.7 | 14.3 | 14.6 | 16.0 | 16.1 |
| 1600 | 360 | 5.6 | 6.8 | 7.4 | 8.1 | 9.1 | 10.6 | 12.4 | 13.4 | 14.0 | 14.6 | 15.3 | 15.6 |
| 1900 | 360 | 6.1 | 6.5 | 7.0 | 7.6 | 8.7 | 10.4 | 11.9 | 12.9 | 13.4 | 14.0 | 15.0 | 15.6 |
| 2200 | 360 | 5.6 | 6.4 | 7.0 | 7.3 | 8.5 | 10.1 | 11.8 | 12.8 | 13.3 | 13.5 | 14.7 | 15.6 |
| JULY | | | | | | | | | | | | | |
| 0100 | 372 | 6.1 | 7.1 | 7.5 | 8.3 | 9.7 | 10.6 | 12.3 | 12.9 | 13.3 | 13.8 | 14.2 | 14.4 |
| 0400 | 372 | 5.6 | 6.3 | 7.5 | 8.2 | 9.3 | 10.5 | 12.0 | 12.8 | 13.2 | 13.6 | 13.8 | 13.9 |
| 0700 | 372 | 6.7 | 7.7 | 8.3 | 8.8 | 9.7 | 10.9 | 12.4 | 13.0 | 13.7 | 14.1 | 15.0 | 15.6 |
| 1000 | 372 | 6.1 | 8.3 | 8.7 | 9.1 | 10.3 | 11.5 | 12.9 | 14.1 | 14.6 | 15.1 | 16.4 | 17.2 |
| 1300 | 372 | 7.8 | 8.7 | 9.1 | 9.4 | 10.3 | 11.5 | 12.9 | 13.8 | 14.4 | 15.1 | 15.8 | 16.1 |
| 1600 | 372 | 3.3 | 8.4 | 9.1 | 9.4 | 10.4 | 11.4 | 12.7 | 13.6 | 13.9 | 15.1 | 15.5 | 15.6 |
| 1900 | 372 | 8.3 | 9.5 | 8.8 | 9.2 | 10.2 | 11.0 | 12.4 | 13.3 | 13.9 | 14.1 | 14.7 | 15.0 |
| 2200 | 372 | 1.1 | 7.4 | 8.0 | 8.9 | 9.8 | 10.9 | 12.3 | 13.0 | 13.5 | 13.9 | 13.9 | 13.9 |
| AUGUST | | | | | | | | | | | | | |
| 0100 | 360 | 6.1 | 7.2 | 8.2 | 9.1 | 10.3 | 11.5 | 12.5 | 13.3 | 13.5 | 13.9 | 14.8 | 15.0 |
| 0400 | 360 | 4.4 | 7.1 | 7.9 | 9.1 | 10.1 | 11.4 | 12.4 | 13.0 | 13.5 | 13.9 | 15.6 | 16.1 |
| 0700 | 360 | 5.0 | 8.3 | 9.2 | 9.7 | 10.3 | 11.5 | 12.6 | 13.3 | 13.6 | 14.0 | 15.3 | 16.1 |
| 1000 | 360 | 6.1 | 8.3 | 9.2 | 10.3 | 10.9 | 12.3 | 13.6 | 14.2 | 15.0 | 15.2 | 15.5 | 15.6 |
| 1300 | 360 | 6.7 | 8.7 | 9.7 | 9.7 | 10.8 | 12.1 | 13.3 | 14.2 | 14.9 | 15.3 | 16.1 | 16.7 |
| 1600 | 360 | 8.3 | 9.7 | 9.9 | 10.2 | 10.9 | 12.1 | 13.0 | 14.0 | 14.5 | 15.0 | 16.1 | 16.7 |
| 1900 | 360 | 5.6 | 9.2 | 9.6 | 10.1 | 10.8 | 11.9 | 13.0 | 13.6 | 14.1 | 14.4 | 15.6 | 16.1 |
| 2200 | 360 | 6.7 | 8.3 | 9.1 | 9.7 | 10.6 | 11.9 | 12.9 | 13.5 | 13.6 | 14.1 | 15.3 | 16.1 |

TABLE 10. (Concluded)

| HOUR | NUM OBS | ABS MIN | 0.135 | 1.000 | 2.280 | DEW POINT TEMPERATURE (C) | | | | | 95.000 | 97.720 | 99.000 | 99.865 | ABS MAX |
|-----------|------------|------------|-------|-------|-------|---------------------------|--------|--------|--------|------------|--------|--------|--------|--------|------------|
| | | | | | | 5.000 | 15.900 | 50.000 | 84.100 | PERCENTILE | | | | | |
| SEPTEMBER | | | | | | | | | | | | | | | |
| 0100 | 360 | -7.8 | | -1.6 | 0.6 | 5.5 | 8.8 | 11.4 | 12.9 | 14.1 | 14.6 | 14.7 | 15.6 | 16.1 | |
| 0400 | 360 | -8.3 | | -3.2 | -0.6 | 4.7 | 8.6 | 11.2 | 13.0 | 14.0 | 14.7 | 15.2 | 15.8 | 16.1 | |
| 0700 | 360 | -8.3 | | -4.1 | -0.8 | 5.0 | 9.2 | 11.3 | 12.9 | 14.0 | 14.7 | 15.2 | 16.1 | 17.2 | |
| 1000 | 360 | -3.9 | | -1.3 | 0.7 | 4.4 | 9.9 | 12.2 | 13.9 | 15.1 | 15.7 | 16.2 | 17.1 | 18.0 | |
| 1300 | 360 | -3.9 | | -1.0 | 1.7 | 6.5 | 10.0 | 12.1 | 13.9 | 15.0 | 15.8 | 16.4 | 18.0 | 18.0 | |
| 1600 | 360 | -3.9 | | -0.7 | 2.5 | 8.1 | 10.3 | 12.0 | 13.8 | 14.8 | 15.2 | 15.8 | 16.7 | 17.2 | |
| 1900 | 360 | -2.8 | | 0.3 | 5.2 | 8.5 | 10.3 | 11.8 | 13.3 | 14.5 | 15.0 | 15.8 | 16.1 | 16.1 | |
| 2200 | 360 | -2.2 | | -1.3 | 3.5 | 6.3 | 9.7 | 11.6 | 13.2 | 14.1 | 14.7 | 15.3 | 16.4 | 16.7 | |
| OCTOBER | | | | | | | | | | | | | | | |
| 0100 | 360 | -6.1 | | -6.2 | -2.6 | -0.4 | 5.3 | 9.8 | 12.4 | 13.6 | 14.0 | 14.7 | 15.6 | 16.1 | |
| 0400 | 360 | -9.4 | | -6.6 | -4.3 | -2.1 | 3.7 | 9.4 | 11.9 | 13.5 | 14.0 | 14.3 | 15.3 | 15.6 | |
| 0700 | 360 | -9.4 | | -6.9 | -5.6 | -3.3 | 2.9 | 9.2 | 11.9 | 13.3 | 14.0 | 14.5 | 16.1 | 17.2 | |
| 1000 | 360 | -8.9 | | -7.2 | -4.5 | -1.4 | 3.9 | 10.7 | 13.0 | 14.7 | 15.7 | 16.4 | 17.8 | 18.3 | |
| 1300 | 360 | -6.7 | | -5.4 | -3.0 | -0.3 | 7.2 | 11.1 | 13.1 | 14.8 | 15.5 | 16.2 | 17.1 | 17.2 | |
| 1600 | 360 | -3.3 | | -2.8 | -0.5 | 2.6 | 8.8 | 11.3 | 13.1 | 14.4 | 15.0 | 15.3 | 16.0 | 16.1 | |
| 1900 | 360 | -5.6 | | -3.2 | -0.1 | 2.1 | 8.2 | 10.9 | 13.0 | 14.1 | 14.6 | 14.9 | 15.0 | 15.0 | |
| 2200 | 360 | -3.3 | | -2.2 | -0.5 | 1.3 | 6.1 | 10.5 | 12.6 | 13.9 | 14.4 | 14.7 | 15.0 | 15.0 | |
| NOVEMBER | | | | | | | | | | | | | | | |
| 0100 | 360 | -10.6 | | -8.8 | -4.9 | -2.2 | 1.7 | 8.0 | 11.2 | 12.6 | 13.0 | 13.4 | 14.3 | 14.4 | |
| 0400 | 360 | -15.0 | | -9.8 | -6.2 | -3.9 | 0.8 | 7.4 | 10.8 | 12.4 | 12.9 | 13.6 | 14.7 | 15.0 | |
| 0700 | 360 | -13.9 | | -10.7 | -8.3 | -4.7 | 0.0 | 7.0 | 10.7 | 12.2 | 13.2 | 13.6 | 14.1 | 14.4 | |
| 1000 | 360 | -11.1 | | -9.3 | -5.4 | -3.0 | 1.0 | 8.6 | 11.9 | 13.0 | 14.1 | 14.9 | 16.2 | 16.7 | |
| 1300 | 360 | -11.7 | | -7.9 | -6.5 | -1.9 | 3.7 | 9.1 | 11.9 | 13.4 | 14.1 | 14.7 | 15.6 | 16.1 | |
| 1600 | 360 | -7.8 | | -6.5 | -2.9 | 1.2 | 5.5 | 10.2 | 12.2 | 13.4 | 14.1 | 14.7 | 15.5 | 15.6 | |
| 1900 | 360 | -5.0 | | -3.7 | -2.3 | 0.0 | 4.7 | 9.7 | 12.0 | 13.0 | 13.8 | 14.3 | 14.7 | 15.0 | |
| 2200 | 360 | -7.8 | | -4.8 | -2.8 | -0.9 | 2.5 | 8.6 | 11.5 | 12.9 | 13.5 | 13.8 | 14.7 | 15.0 | |
| DECEMBER | | | | | | | | | | | | | | | |
| 0100 | 360 | -13.9 | | -12.1 | -6.4 | -3.6 | 0.1 | 4.7 | 9.0 | 11.9 | 12.7 | 13.4 | 14.2 | 14.4 | |
| 0400 | 360 | -16.1 | | -12.6 | -6.5 | -4.6 | -1.0 | 3.9 | 8.8 | 11.4 | 12.7 | 13.5 | 14.2 | 14.4 | |
| 0700 | 360 | -13.9 | | -11.1 | -7.5 | -5.3 | -1.4 | 2.8 | 8.4 | 11.5 | 12.4 | 13.5 | 14.4 | 15.0 | |
| 1000 | 360 | -13.6 | | -9.3 | -7.7 | -4.7 | -0.8 | 4.8 | 9.6 | 12.2 | 13.3 | 14.1 | 15.0 | 15.6 | |
| 1300 | 360 | -13.9 | | -7.5 | -6.0 | -3.0 | 0.9 | 6.4 | 10.3 | 12.7 | 14.2 | 15.1 | 16.0 | 16.1 | |
| 1600 | 360 | -14.4 | | -7.1 | -3.7 | -1.7 | 2.3 | 7.5 | 11.0 | 12.5 | 13.2 | 14.1 | 15.3 | 15.6 | |
| 1900 | 360 | -13.9 | | -9.6 | -5.4 | -2.6 | 1.5 | 6.9 | 10.3 | 12.1 | 13.1 | 13.5 | 14.7 | 15.0 | |
| 2200 | 360 | -13.9 | | -10.4 | -4.3 | -3.0 | 0.8 | 5.3 | 9.7 | 12.0 | 13.0 | 13.6 | 14.5 | 15.0 | |

TABLE 11. VANDENBERG AIR FORCE BASE RELATIVE HUMIDITY

| HOUR | NUM OBS | ABS MIN | 0.135 | 1.000 | 2.230 | 5.000 | RELATIVE HUMIDITY (PERCENT) | | | | | 90.000 | 99.865 | ABS* MAX |
|-----------------|------------|------------|-------|-------|-------|-------|-----------------------------|--------|--------|--------|--------|--------|--------|-------------|
| | | | | | | | 15.000 | 50.000 | 84.100 | 95.000 | 97.420 | | | |
| JANUARY | | | | | | | | | | | | | | |
| 0100 | 372 | 20.0 | 28.4 | 32.8 | 40.8 | 56.0 | 80.3 | 92.9 | 96.2 | 98.4 | 99.4 | 100.0 | 100.0 | 100.0 |
| 0400 | 372 | 19.0 | 26.9 | 31.8 | 42.3 | 56.1 | 79.2 | 92.9 | 96.1 | 98.2 | 99.3 | 100.0 | 100.0 | 100.0 |
| 0700 | 372 | 23.0 | 26.7 | 32.9 | 40.0 | 55.0 | 77.8 | 92.5 | 96.1 | 98.4 | 99.1 | 100.0 | 100.0 | 100.0 |
| 1000 | 372 | 19.0 | 22.7 | 29.0 | 29.7 | 36.9 | 63.8 | 85.0 | 92.9 | 96.0 | 98.5 | 99.6 | 100.0 | 100.0 |
| 1300 | 372 | 17.0 | 18.1 | 20.8 | 23.1 | 33.2 | 55.5 | 77.5 | 90.4 | 93.9 | 96.5 | 99.6 | 100.0 | 100.0 |
| 1600 | 372 | 17.0 | 19.4 | 22.1 | 27.9 | 41.9 | 66.5 | 82.6 | 91.0 | 95.7 | 98.8 | 99.8 | 100.0 | 100.0 |
| 1900 | 372 | 21.0 | 29.2 | 32.8 | 41.2 | 58.0 | 79.8 | 92.0 | 99.9 | 98.0 | 99.3 | 100.0 | 100.0 | 100.0 |
| 2200 | 372 | 27.0 | 29.1 | 30.3 | 42.8 | 56.3 | 81.6 | 92.8 | 96.1 | 98.5 | 99.4 | 100.0 | 100.0 | 100.0 |
| FEBRUARY | | | | | | | | | | | | | | |
| 0100 | 339 | 30.0 | 36.5 | 40.7 | 44.9 | 61.6 | 85.7 | 94.4 | 97.9 | 98.9 | 99.6 | 100.0 | 100.0 | 100.0 |
| 0400 | 339 | 30.0 | 36.0 | 41.9 | 48.8 | 63.5 | 85.5 | 94.3 | 97.9 | 98.8 | 99.6 | 100.0 | 100.0 | 100.0 |
| 0700 | 339 | 33.0 | 40.4 | 42.7 | 49.2 | 63.5 | 82.6 | 94.4 | 97.8 | 98.4 | 99.2 | 100.0 | 100.0 | 100.0 |
| 1000 | 339 | 15.0 | 22.0 | 26.2 | 30.4 | 49.7 | 65.3 | 86.0 | 94.3 | 98.0 | 99.0 | 100.0 | 100.0 | 100.0 |
| 1300 | 339 | 11.0 | 14.4 | 19.2 | 30.5 | 41.5 | 60.5 | 79.0 | 90.0 | 93.0 | 97.7 | 99.4 | 100.0 | 100.0 |
| 1600 | 339 | 11.0 | 21.0 | 27.8 | 35.5 | 51.3 | 69.5 | 83.0 | 90.0 | 94.4 | 97.0 | 99.2 | 100.0 | 100.0 |
| 1900 | 339 | 24.0 | 33.8 | 41.7 | 51.6 | 70.5 | 83.1 | 92.4 | 95.5 | 96.2 | 97.9 | 99.2 | 100.0 | 100.0 |
| 2200 | 339 | 25.0 | 33.4 | 40.9 | 49.9 | 65.0 | 85.6 | 93.1 | 96.2 | 98.0 | 99.0 | 100.0 | 100.0 | 100.0 |
| MARCH | | | | | | | | | | | | | | |
| 0100 | 372 | 26.0 | 30.8 | 35.0 | 48.6 | 68.1 | 85.9 | 94.2 | 97.8 | 98.9 | 99.5 | 100.0 | 100.0 | 100.0 |
| 0400 | 372 | 30.0 | 36.7 | 42.2 | 50.0 | 70.4 | 85.7 | 94.3 | 98.4 | 99.2 | 99.6 | 100.0 | 100.0 | 100.0 |
| 0700 | 372 | 30.0 | 39.5 | 43.0 | 49.3 | 66.7 | 84.5 | 94.0 | 97.7 | 98.8 | 99.5 | 100.0 | 100.0 | 100.0 |
| 1000 | 372 | 21.0 | 22.0 | 27.3 | 31.8 | 41.7 | 65.5 | 82.6 | 90.2 | 94.5 | 98.0 | 99.4 | 100.0 | 100.0 |
| 1300 | 372 | 15.0 | 18.8 | 23.0 | 30.7 | 46.1 | 63.8 | 75.0 | 86.4 | 91.5 | 94.5 | 99.0 | 100.0 | 100.0 |
| 1600 | 372 | 16.0 | 20.0 | 23.8 | 37.2 | 56.4 | 69.4 | 81.2 | 89.5 | 93.0 | 94.5 | 99.0 | 100.0 | 100.0 |
| 1900 | 372 | 17.0 | 32.9 | 38.7 | 59.8 | 70.0 | 81.7 | 89.6 | 94.5 | 96.2 | 98.1 | 99.6 | 100.0 | 100.0 |
| 2200 | 372 | 25.0 | 29.5 | 35.7 | 53.3 | 73.5 | 84.8 | 93.2 | 97.7 | 99.3 | 99.7 | 100.0 | 100.0 | 100.0 |
| APRIL | | | | | | | | | | | | | | |
| 0100 | 360 | 31.0 | 36.6 | 47.2 | 56.1 | 71.5 | 86.2 | 94.2 | 98.0 | 99.0 | 99.6 | 100.0 | 100.0 | 100.0 |
| 0400 | 360 | 30.0 | 34.8 | 47.2 | 56.3 | 72.9 | 86.3 | 94.4 | 98.6 | 99.3 | 99.6 | 100.0 | 100.0 | 100.0 |
| 0700 | 360 | 28.0 | 32.2 | 42.2 | 47.8 | 66.4 | 84.5 | 93.2 | 98.6 | 99.3 | 99.6 | 100.0 | 100.0 | 100.0 |
| 1000 | 360 | 15.0 | 20.8 | 26.3 | 36.5 | 49.4 | 65.7 | 82.3 | 92.4 | 94.5 | 96.3 | 99.2 | 100.0 | 100.0 |
| 1300 | 360 | 10.0 | 19.2 | 34.2 | 39.4 | 51.3 | 64.5 | 75.2 | 83.5 | 86.5 | 89.5 | 94.5 | 96.0 | 96.0 |
| 1600 | 360 | 25.0 | 29.6 | 37.0 | 43.4 | 57.5 | 69.0 | 79.3 | 86.0 | 89.7 | 93.0 | 99.0 | 100.0 | 100.0 |
| 1900 | 360 | 34.0 | 49.2 | 52.0 | 57.9 | 70.1 | 81.0 | 88.1 | 92.8 | 94.5 | 96.0 | 99.2 | 100.0 | 100.0 |
| 2200 | 360 | 28.0 | 39.6 | 48.4 | 58.1 | 75.0 | 85.0 | 92.4 | 94.9 | 97.6 | 98.5 | 99.8 | 100.0 | 100.0 |

* For period of record.

TABLE 11. (Continued)

| HOUR | NUM OBS | ABS MIN | RELATIVE HUMIDITY (PERCENT) | | | | | | | | | | ABS MAX |
|--------|------------|------------|-----------------------------|-------|-------|-------|--------|--------|--------|--------|--------|--------|------------|
| | | | 0.135 | 1.000 | 2.280 | 5.000 | 15.900 | 50.000 | 84.100 | 95.000 | 97.720 | 99.000 | |
| MAY | | | | | | | | | | | | | |
| 0100 | 372 | 32.0 | 47.8 | 70.0 | 74.4 | 80.8 | 87.9 | 96.0 | 98.8 | 99.5 | 99.7 | 100.0 | 100.0 |
| 0400 | 372 | 32.0 | 52.5 | 70.0 | 76.5 | 80.9 | 89.2 | 97.2 | 99.2 | 99.6 | 99.8 | 100.0 | 100.0 |
| 0700 | 372 | 31.0 | 42.9 | 55.0 | 62.6 | 73.2 | 85.0 | 94.7 | 98.6 | 99.4 | 99.7 | 100.0 | 100.0 |
| 1000 | 372 | 15.0 | 36.1 | 37.4 | 48.5 | 57.7 | 71.5 | 82.9 | 92.4 | 94.5 | 98.2 | 99.8 | 100.0 |
| 1300 | 372 | 21.0 | 34.2 | 43.5 | 51.5 | 59.5 | 67.3 | 77.5 | 83.3 | 87.0 | 91.7 | 96.5 | 97.0 |
| 1600 | 372 | 22.0 | 40.1 | 47.5 | 56.1 | 63.5 | 71.8 | 80.1 | 86.5 | 91.4 | 94.3 | 99.2 | 100.0 |
| 1900 | 372 | 25.0 | 48.7 | 62.4 | 68.8 | 74.3 | 81.7 | 89.9 | 95.2 | 98.6 | 99.3 | 100.0 | 100.0 |
| 2200 | 372 | 34.0 | 60.8 | 70.2 | 74.3 | 80.0 | 87.4 | 94.4 | 98.4 | 99.3 | 99.6 | 100.0 | 100.0 |
| JUNE | | | | | | | | | | | | | |
| 0100 | 360 | 31.0 | 71.7 | 75.5 | 78.5 | 83.4 | 91.5 | 96.3 | 99.0 | 99.6 | 99.8 | 100.0 | 100.0 |
| 0400 | 360 | 51.0 | 71.6 | 76.2 | 78.5 | 84.5 | 92.9 | 98.1 | 99.4 | 99.7 | 100.0 | 100.0 | 100.0 |
| 0700 | 360 | 54.0 | 61.6 | 70.4 | 73.8 | 79.9 | 90.0 | 97.8 | 99.0 | 99.6 | 99.8 | 100.0 | 100.0 |
| 1000 | 360 | 41.0 | 50.3 | 53.0 | 56.8 | 64.3 | 75.3 | 86.5 | 93.0 | 94.5 | 97.7 | 99.4 | 100.0 |
| 1300 | 360 | 40.0 | 51.0 | 54.0 | 56.0 | 62.4 | 70.8 | 79.6 | 85.8 | 91.3 | 93.3 | 96.8 | 96.0 |
| 1600 | 360 | 46.0 | 52.8 | 55.4 | 58.4 | 66.3 | 74.6 | 82.8 | 89.6 | 91.6 | 95.2 | 94.5 | 96.0 |
| 1900 | 360 | 53.0 | 63.9 | 68.3 | 72.0 | 76.3 | 83.4 | 91.5 | 95.2 | 97.9 | 98.7 | 99.9 | 100.0 |
| 2200 | 360 | 67.0 | 73.5 | 75.2 | 77.0 | 82.2 | 89.5 | 95.6 | 98.7 | 99.4 | 99.7 | 100.0 | 100.0 |
| JULY | | | | | | | | | | | | | |
| 0100 | 372 | 60.0 | 71.1 | 79.2 | 82.3 | 86.1 | 92.2 | 98.3 | 99.2 | 99.6 | 99.8 | 100.0 | 100.0 |
| 0400 | 372 | 58.0 | 77.5 | 81.3 | 84.4 | 87.0 | 93.1 | 98.1 | 99.4 | 99.8 | 99.9 | 100.0 | 100.0 |
| 0700 | 372 | 30.0 | 60.8 | 74.2 | 77.8 | 85.9 | 93.0 | 97.9 | 99.3 | 99.7 | 99.8 | 100.0 | 100.0 |
| 1000 | 372 | 43.0 | 46.7 | 53.6 | 60.7 | 66.8 | 79.5 | 89.6 | 91.0 | 96.0 | 96.3 | 96.9 | 97.0 |
| 1300 | 372 | 28.0 | 44.2 | 53.6 | 57.1 | 63.4 | 71.4 | 77.8 | 82.3 | 84.0 | 85.3 | 90.0 | 93.0 |
| 1600 | 372 | 19.0 | 46.7 | 52.6 | 59.8 | 66.9 | 74.9 | 81.0 | 86.0 | 88.5 | 91.8 | 93.0 | 93.0 |
| 1900 | 372 | 34.0 | 62.4 | 69.5 | 74.2 | 79.0 | 86.0 | 91.8 | 96.1 | 98.5 | 99.0 | 99.9 | 100.0 |
| 2200 | 372 | 21.0 | 66.7 | 77.2 | 80.9 | 84.9 | 90.3 | 95.9 | 96.8 | 99.5 | 99.8 | 100.0 | 100.0 |
| AUGUST | | | | | | | | | | | | | |
| 0100 | 360 | 44.0 | 56.4 | 77.0 | 81.2 | 86.1 | 92.1 | 97.8 | 99.2 | 99.6 | 99.8 | 100.0 | 100.0 |
| 0400 | 360 | 27.0 | 68.1 | 77.2 | 83.2 | 86.5 | 92.9 | 98.1 | 99.4 | 99.7 | 99.8 | 100.0 | 100.0 |
| 0700 | 360 | 22.0 | 56.8 | 74.1 | 79.4 | 84.9 | 92.7 | 97.9 | 99.3 | 99.6 | 99.8 | 100.0 | 100.0 |
| 1000 | 360 | 18.0 | 44.6 | 51.0 | 57.4 | 65.2 | 78.3 | 89.6 | 94.2 | 96.0 | 97.5 | 99.2 | 100.0 |
| 1300 | 360 | 28.0 | 40.4 | 46.5 | 54.0 | 61.0 | 69.7 | 75.5 | 81.6 | 85.2 | 87.4 | 93.5 | 97.0 |
| 1600 | 360 | 38.0 | 47.6 | 53.0 | 59.7 | 65.4 | 74.2 | 82.0 | 85.0 | 88.3 | 90.0 | 93.0 | 96.0 |
| 1900 | 360 | 39.0 | 57.4 | 68.1 | 72.2 | 80.0 | 86.3 | 92.9 | 96.0 | 98.0 | 98.8 | 99.9 | 100.0 |
| 2200 | 360 | 54.0 | 68.6 | 72.5 | 79.0 | 84.2 | 90.4 | 95.8 | 98.6 | 99.4 | 99.7 | 100.0 | 100.0 |

TABLE 11. (Concluded)

| MONTH | HOUR | NUM OBS | ABS MIN | 0-135 | 1,000 | 2-250 | 5-500 | RELATIVE HUMIDITY (PERCENT) | | | | | | | ABS MAX |
|-----------|------|------------|------------|-------|-------|-------|-------|-----------------------------|--------|--------|--------|--------|--------|--------|------------|
| | | | | | | | | 15-500 | 50-500 | 60-500 | 70-500 | 80-500 | 90-500 | 95-500 | |
| SEPTEMBER | 0100 | 360 | 15.0 | 28.0 | 34.4 | 60.0 | 70.2 | 80.2 | 86.5 | 90.2 | 95.8 | 99.6 | 100.0 | 100.0 | |
| | 0300 | 360 | 17.0 | 27.7 | 35.0 | 55.0 | 72.3 | 81.5 | 89.2 | 93.7 | 98.2 | 99.7 | 100.0 | 100.0 | |
| | 0500 | 360 | 19.0 | 26.8 | 35.1 | 53.0 | 70.3 | 80.0 | 87.7 | 92.1 | 96.7 | 99.8 | 100.0 | 100.0 | |
| | 0700 | 360 | 19.0 | 26.5 | 34.5 | 52.0 | 69.5 | 78.5 | 85.9 | 90.9 | 95.0 | 99.0 | 100.0 | 100.0 | |
| | 0900 | 360 | 19.0 | 26.2 | 34.2 | 50.0 | 67.4 | 76.4 | 83.6 | 90.6 | 94.1 | 97.0 | 100.0 | 100.0 | |
| | 1100 | 360 | 19.0 | 26.0 | 34.0 | 49.0 | 67.1 | 76.1 | 83.6 | 90.6 | 94.1 | 97.0 | 100.0 | 100.0 | |
| | 1300 | 360 | 19.0 | 25.8 | 33.8 | 49.0 | 67.1 | 76.1 | 83.6 | 90.6 | 94.1 | 97.0 | 100.0 | 100.0 | |
| | 1500 | 360 | 21.0 | 25.6 | 33.6 | 48.9 | 67.0 | 76.0 | 83.5 | 90.5 | 94.0 | 97.0 | 100.0 | 100.0 | |
| | 1700 | 360 | 21.0 | 25.6 | 33.6 | 48.9 | 67.0 | 76.0 | 83.5 | 90.5 | 94.0 | 97.0 | 100.0 | 100.0 | |
| | 1900 | 360 | 22.0 | 25.6 | 33.6 | 48.9 | 67.0 | 76.0 | 83.5 | 90.5 | 94.0 | 97.0 | 100.0 | 100.0 | |
| OCTOBER | 0100 | 360 | 20.0 | 24.0 | 26.0 | 33.0 | 59.2 | 66.5 | 77.0 | 86.5 | 97.0 | 99.6 | 100.0 | 100.0 | |
| | 0300 | 360 | 19.0 | 25.7 | 26.6 | 29.2 | 54.3 | 66.4 | 77.2 | 86.5 | 97.0 | 99.6 | 100.0 | 100.0 | |
| | 0500 | 360 | 19.0 | 20.2 | 23.1 | 27.7 | 47.4 | 65.3 | 75.9 | 85.3 | 95.9 | 99.5 | 100.0 | 100.0 | |
| | 0700 | 360 | 11.0 | 11.0 | 11.5 | 15.4 | 29.2 | 45.3 | 65.3 | 85.7 | 94.6 | 98.7 | 100.0 | 100.0 | |
| | 0900 | 360 | 10.0 | 11.2 | 12.9 | 17.4 | 26.8 | 45.3 | 65.3 | 85.7 | 94.6 | 98.7 | 100.0 | 100.0 | |
| | 1100 | 360 | 14.0 | 15.0 | 19.0 | 23.9 | 51.1 | 72.4 | 84.8 | 90.9 | 94.4 | 96.4 | 100.0 | 100.0 | |
| | 1300 | 360 | 17.0 | 26.3 | 28.9 | 43.0 | 68.2 | 83.5 | 93.9 | 98.2 | 99.2 | 99.6 | 100.0 | 100.0 | |
| | 1500 | 360 | 15.0 | 26.5 | 30.2 | 38.4 | 61.3 | 86.5 | 94.7 | 98.8 | 99.5 | 99.7 | 100.0 | 100.0 | |
| | 1700 | 360 | 16.0 | 17.1 | 27.3 | 37.0 | 54.3 | 83.5 | 94.5 | 98.4 | 99.3 | 99.7 | 100.0 | 100.0 | |
| | 1900 | 360 | 12.0 | 20.2 | 24.3 | 35.2 | 54.3 | 85.0 | 94.3 | 98.2 | 99.2 | 99.6 | 100.0 | 100.0 | |
| NOVEMBER | 0100 | 360 | 12.0 | 15.6 | 23.9 | 31.4 | 53.7 | 83.8 | 94.5 | 98.5 | 99.4 | 99.7 | 100.0 | 100.0 | |
| | 0300 | 360 | 9.0 | 10.8 | 14.8 | 20.0 | 36.2 | 65.0 | 85.0 | 92.0 | 95.8 | 98.2 | 100.0 | 100.0 | |
| | 0500 | 360 | 8.0 | 10.2 | 12.2 | 20.7 | 38.2 | 59.6 | 76.2 | 86.4 | 94.6 | 94.1 | 96.0 | 96.0 | |
| | 0700 | 360 | 11.0 | 13.6 | 18.3 | 26.0 | 52.7 | 71.6 | 83.5 | 91.4 | 94.4 | 96.2 | 100.0 | 100.0 | |
| | 0900 | 360 | 19.0 | 26.8 | 32.1 | 43.8 | 62.8 | 83.0 | 92.1 | 96.9 | 98.5 | 99.3 | 100.0 | 100.0 | |
| | 1100 | 360 | 19.0 | 25.8 | 30.3 | 37.5 | 58.4 | 83.5 | 93.4 | 98.0 | 99.1 | 99.6 | 100.0 | 100.0 | |
| | 1300 | 360 | 24.0 | 28.8 | 39.2 | 45.2 | 59.6 | 82.0 | 94.4 | 97.9 | 99.0 | 99.4 | 100.0 | 100.0 | |
| | 1500 | 360 | 15.0 | 24.2 | 32.4 | 43.0 | 60.0 | 81.7 | 94.3 | 97.9 | 99.0 | 99.4 | 100.0 | 100.0 | |
| | 1700 | 360 | 14.0 | 27.7 | 31.9 | 43.7 | 57.5 | 78.8 | 92.9 | 97.9 | 99.0 | 99.4 | 100.0 | 100.0 | |
| | 1900 | 360 | 17.0 | 21.2 | 23.5 | 30.6 | 38.7 | 60.3 | 86.0 | 94.3 | 96.0 | 97.7 | 99.2 | 100.0 | |
| DECEMBER | 0100 | 360 | 17.0 | 21.2 | 23.5 | 30.6 | 38.7 | 60.3 | 86.0 | 94.3 | 96.0 | 97.7 | 99.2 | 100.0 | |
| | 0300 | 360 | 18.0 | 21.2 | 23.5 | 31.1 | 43.0 | 67.2 | 83.4 | 91.5 | 94.5 | 95.7 | 96.0 | 96.0 | |
| | 0500 | 360 | 19.0 | 23.6 | 28.6 | 40.0 | 57.6 | 82.6 | 93.1 | 96.2 | 98.0 | 99.5 | 100.0 | 100.0 | |
| | 0700 | 360 | 26.8 | 26.8 | 32.6 | 45.0 | 59.1 | 82.0 | 93.5 | 97.7 | 98.8 | 99.3 | 100.0 | 100.0 | |
| | 0900 | 360 | 21.0 | 26.8 | 32.6 | 45.0 | 59.1 | 82.0 | 93.5 | 97.7 | 98.8 | 99.3 | 100.0 | 100.0 | |
| | 1100 | 360 | 21.0 | 26.8 | 32.6 | 45.0 | 59.1 | 82.0 | 93.5 | 97.7 | 98.8 | 99.3 | 100.0 | 100.0 | |
| | 1300 | 360 | 21.0 | 26.8 | 32.6 | 45.0 | 59.1 | 82.0 | 93.5 | 97.7 | 98.8 | 99.3 | 100.0 | 100.0 | |
| | 1500 | 360 | 21.0 | 26.8 | 32.6 | 45.0 | 59.1 | 82.0 | 93.5 | 97.7 | 98.8 | 99.3 | 100.0 | 100.0 | |
| | 1700 | 360 | 21.0 | 26.8 | 32.6 | 45.0 | 59.1 | 82.0 | 93.5 | 97.7 | 98.8 | 99.3 | 100.0 | 100.0 | |
| | 1900 | 360 | 21.0 | 26.8 | 32.6 | 45.0 | 59.1 | 82.0 | 93.5 | 97.7 | 98.8 | 99.3 | 100.0 | 100.0 | |

TABLE 12. VANDENBERG AIR FORCE BASE PRESSURE

| HOUR | NUM OBS | ABS MIN | PRESSURE (NT/SQ M/100) | | | | | | | ABS * MAX | | | |
|----------|---------|---------|------------------------|-------|-------|--------|--------|--------|--------|-----------|--------|--------|--------|
| | | | 0.135 | 1.000 | 2.280 | 5.000 | 15.900 | 50.000 | 84.100 | | 95.000 | 97.720 | 99.000 |
| JANUARY | | | | | | | | | | | | | |
| 0100 | 372 | 990.2 | 992.8 | 995.2 | 997.3 | 1001.7 | 1006.1 | 1009.6 | 1011.9 | 1012.8 | 1013.2 | 1015.7 | 1017.3 |
| 0400 | 372 | 988.2 | 992.1 | 994.5 | 997.2 | 1001.4 | 1005.8 | 1009.5 | 1011.8 | 1012.3 | 1013.3 | 1015.1 | 1016.3 |
| 0700 | 372 | 989.5 | 992.6 | 995.4 | 997.2 | 1001.5 | 1006.0 | 1009.8 | 1012.0 | 1013.1 | 1013.7 | 1015.9 | 1016.6 |
| 1000 | 372 | 992.6 | 994.3 | 996.5 | 998.6 | 1002.7 | 1007.2 | 1010.9 | 1013.6 | 1014.5 | 1015.6 | 1017.4 | 1018.0 |
| 1300 | 372 | 990.9 | 994.1 | 995.4 | 997.2 | 1001.2 | 1005.8 | 1009.2 | 1011.7 | 1012.8 | 1013.9 | 1015.1 | 1015.2 |
| 1600 | 372 | 990.9 | 992.1 | 994.2 | 997.0 | 1000.7 | 1005.1 | 1008.8 | 1011.3 | 1012.3 | 1013.2 | 1014.6 | 1014.9 |
| 1900 | 372 | 989.4 | 992.6 | 994.6 | 997.0 | 1001.3 | 1005.6 | 1009.3 | 1011.3 | 1012.8 | 1013.2 | 1014.9 | 1015.6 |
| 2200 | 372 | 989.8 | 992.4 | 995.5 | 996.8 | 1001.9 | 1006.3 | 1010.0 | 1012.6 | 1013.6 | 1014.0 | 1016.1 | 1017.6 |
| FEBRUARY | | | | | | | | | | | | | |
| 0100 | 339 | 989.8 | 993.5 | 995.3 | 995.9 | 1000.5 | 1005.2 | 1009.0 | 1011.2 | 1012.4 | 1013.5 | 1014.3 | 1014.6 |
| 0400 | 339 | 989.2 | 992.4 | 994.3 | 996.0 | 1000.1 | 1004.7 | 1008.4 | 1010.7 | 1011.7 | 1013.2 | 1014.0 | 1014.2 |
| 0700 | 339 | 989.8 | 991.9 | 994.2 | 996.4 | 1000.7 | 1005.1 | 1008.9 | 1010.9 | 1011.7 | 1012.4 | 1014.9 | 1015.9 |
| 1000 | 339 | 990.9 | 992.8 | 995.3 | 997.4 | 1001.7 | 1006.1 | 1010.1 | 1012.0 | 1012.9 | 1013.9 | 1016.3 | 1018.0 |
| 1300 | 339 | 989.8 | 992.9 | 994.5 | 996.7 | 1000.4 | 1005.1 | 1008.9 | 1011.0 | 1012.0 | 1012.4 | 1016.0 | 1018.3 |
| 1600 | 339 | 985.8 | 993.0 | 994.0 | 996.0 | 999.7 | 1004.2 | 1008.0 | 1010.4 | 1011.0 | 1011.7 | 1014.4 | 1015.6 |
| 1900 | 339 | 986.8 | 993.2 | 994.3 | 996.3 | 1000.0 | 1004.8 | 1008.3 | 1010.6 | 1011.8 | 1012.2 | 1014.2 | 1014.9 |
| 2200 | 339 | 988.8 | 993.2 | 995.2 | 996.5 | 1000.8 | 1005.3 | 1009.0 | 1011.3 | 1012.6 | 1013.6 | 1014.6 | 1015.2 |
| MARCH | | | | | | | | | | | | | |
| 0100 | 372 | 990.9 | 993.9 | 995.2 | 997.8 | 1000.9 | 1004.5 | 1007.9 | 1009.8 | 1010.8 | 1011.8 | 1013.0 | 1013.2 |
| 0400 | 372 | 990.2 | 992.5 | 995.7 | 997.8 | 1000.1 | 1003.7 | 1007.1 | 1008.9 | 1009.7 | 1010.9 | 1011.8 | 1011.9 |
| 0700 | 372 | 989.8 | 993.7 | 995.9 | 998.3 | 1000.8 | 1004.5 | 1007.9 | 1009.6 | 1010.6 | 1011.5 | 1012.3 | 1012.5 |
| 1000 | 372 | 991.9 | 994.5 | 997.1 | 998.9 | 1001.7 | 1005.3 | 1008.8 | 1010.6 | 1011.3 | 1012.6 | 1013.2 | 1013.2 |
| 1300 | 372 | 991.2 | 993.2 | 996.2 | 998.3 | 1001.0 | 1004.5 | 1008.0 | 1010.0 | 1010.8 | 1011.9 | 1012.8 | 1012.9 |
| 1600 | 372 | 989.1 | 990.6 | 993.9 | 997.4 | 1000.2 | 1003.5 | 1007.0 | 1009.1 | 1009.9 | 1010.8 | 1012.0 | 1012.2 |
| 1900 | 372 | 989.8 | 992.8 | 994.8 | 997.6 | 1000.3 | 1003.7 | 1007.3 | 1009.4 | 1010.3 | 1010.9 | 1012.8 | 1012.9 |
| 2200 | 372 | 991.2 | 992.8 | 995.2 | 998.0 | 1001.0 | 1004.7 | 1007.9 | 1010.2 | 1011.0 | 1011.6 | 1013.2 | 1013.6 |
| APRIL | | | | | | | | | | | | | |
| 0100 | 360 | 990.9 | 995.2 | 995.9 | 997.4 | 999.9 | 1003.5 | 1006.2 | 1008.4 | 1009.1 | 1010.2 | 1012.2 | 1012.5 |
| 0400 | 360 | 989.5 | 994.3 | 995.3 | 996.7 | 999.1 | 1002.8 | 1005.4 | 1007.6 | 1008.3 | 1009.6 | 1011.3 | 1011.5 |
| 0700 | 360 | 990.9 | 994.8 | 996.1 | 997.5 | 999.9 | 1003.6 | 1006.2 | 1008.7 | 1009.4 | 1010.6 | 1011.9 | 1012.2 |
| 1000 | 360 | 991.9 | 995.8 | 996.3 | 998.3 | 1000.9 | 1004.3 | 1006.9 | 1009.5 | 1010.4 | 1010.9 | 1012.9 | 1013.2 |
| 1300 | 360 | 992.2 | 994.9 | 995.6 | 997.6 | 1000.3 | 1003.9 | 1006.6 | 1008.7 | 1009.7 | 1010.8 | 1012.4 | 1012.9 |
| 1600 | 360 | 992.9 | 993.9 | 995.3 | 996.6 | 999.5 | 1002.9 | 1005.6 | 1007.5 | 1009.0 | 1010.3 | 1010.5 | 1010.5 |
| 1900 | 360 | 992.6 | 994.0 | 995.6 | 996.9 | 999.3 | 1002.9 | 1005.7 | 1007.5 | 1008.8 | 1010.3 | 1010.7 | 1010.8 |
| 2200 | 360 | 993.9 | 995.2 | 996.3 | 997.8 | 1000.2 | 1003.9 | 1006.6 | 1008.5 | 1009.7 | 1010.7 | 1012.2 | 1012.5 |

* For period of record.

TABLE 12. (Continued)

| MONTH | HOUR | NUM OBS | ABS MIN | 0.135 | 1.000 | 2.280 | PRESSURE (MT/50 M/100) PERCENTILE | | | | | 99.000 | 99.955 | ABS MAX | |
|-------|--------|------------|------------|-------|-------|-------|--------------------------------------|--------|--------|--------|--------|--------|--------|------------|--------|
| | | | | | | | 5.000 | 15.000 | 50.000 | 75.000 | 95.000 | | | | |
| MAY | 0100 | 372 | 991.9 | | 995.1 | 996.9 | 998.0 | 999.9 | 1002.2 | 1003.1 | 1005.0 | 1007.4 | 1008.5 | 1009.6 | |
| | 0400 | 372 | 992.2 | | 993.5 | 994.5 | 995.3 | 996.5 | 1001.0 | 1003.8 | 1005.8 | 1007.3 | 1008.2 | 1009.5 | |
| | 0700 | 372 | 991.9 | | 993.5 | 994.5 | 995.3 | 996.5 | 1001.0 | 1003.8 | 1005.8 | 1007.3 | 1008.2 | 1009.5 | |
| | 1000 | 372 | 993.2 | | 994.0 | 995.1 | 996.0 | 997.2 | 1002.3 | 1004.0 | 1006.5 | 1008.5 | 1009.5 | 1010.5 | |
| | 1300 | 372 | 993.9 | | 994.2 | 995.3 | 996.5 | 997.7 | 1002.7 | 1004.7 | 1007.2 | 1009.2 | 1010.5 | 1010.5 | |
| | 1600 | 372 | 993.9 | | 995.3 | 996.3 | 997.5 | 998.5 | 1001.9 | 1004.6 | 1006.2 | 1008.4 | 1009.5 | 1009.5 | |
| | 1900 | 372 | 994.6 | | 995.3 | 996.3 | 997.4 | 998.4 | 1001.9 | 1004.6 | 1006.5 | 1007.4 | 1008.3 | 1009.5 | |
| | 2200 | 372 | 995.3 | | 995.6 | 997.3 | 998.3 | 1000.2 | 1002.6 | 1005.3 | 1007.3 | 1008.1 | 1008.6 | 1009.5 | |
| | JUNE | 0100 | 360 | 992.9 | | 994.6 | 995.5 | 996.2 | 997.7 | 1000.2 | 1002.4 | 1003.8 | 1004.4 | 1005.2 | 1006.1 |
| | | 0400 | 360 | 993.6 | | 994.1 | 994.6 | 995.7 | 997.3 | 999.8 | 1001.8 | 1003.2 | 1004.1 | 1004.9 | 1005.1 |
| 0700 | | 360 | 994.5 | | 995.3 | 995.7 | 996.3 | 998.0 | 1002.7 | 1003.9 | 1005.2 | 1006.1 | 1006.6 | 1006.8 | |
| 1000 | | 360 | 994.2 | | 995.6 | 996.3 | 997.0 | 998.5 | 1001.1 | 1003.2 | 1004.6 | 1005.4 | 1005.9 | 1006.6 | |
| 1300 | | 360 | 993.9 | | 995.6 | 996.5 | 997.0 | 998.4 | 1001.1 | 1003.2 | 1004.6 | 1005.2 | 1005.9 | 1007.1 | |
| 1600 | | 360 | 993.2 | | 995.2 | 995.8 | 996.3 | 997.6 | 1000.4 | 1002.5 | 1003.8 | 1004.5 | 1005.0 | 1006.0 | |
| 1900 | | 360 | 993.2 | | 994.1 | 995.6 | 996.0 | 997.5 | 1000.2 | 1002.3 | 1003.5 | 1004.5 | 1005.1 | 1005.8 | |
| 2200 | | 360 | 993.9 | | 995.1 | 995.9 | 996.8 | 998.1 | 1000.7 | 1002.8 | 1004.1 | 1005.1 | 1005.8 | 1006.2 | |
| JULY | | 0100 | 372 | 994.2 | | 995.1 | 995.3 | 997.3 | 998.6 | 1000.5 | 1002.2 | 1003.2 | 1003.9 | 1004.5 | 1005.1 |
| | | 0400 | 372 | 993.6 | | 995.1 | 996.1 | 997.0 | 998.3 | 1000.2 | 1001.9 | 1003.0 | 1003.6 | 1003.8 | 1005.1 |
| | 0700 | 372 | 994.6 | | 995.9 | 997.0 | 997.6 | 999.3 | 1001.2 | 1002.8 | 1003.9 | 1004.6 | 1005.1 | 1005.6 | |
| | 1000 | 372 | 994.9 | | 996.6 | 997.5 | 998.6 | 999.7 | 1001.7 | 1003.5 | 1004.6 | 1005.3 | 1005.7 | 1005.9 | |
| | 1300 | 372 | 994.9 | | 996.2 | 997.5 | 998.3 | 999.6 | 1001.5 | 1003.1 | 1004.3 | 1004.9 | 1005.3 | 1005.9 | |
| | 1600 | 372 | 993.6 | | 995.4 | 996.8 | 997.5 | 998.8 | 1000.8 | 1002.4 | 1003.4 | 1004.2 | 1004.5 | 1005.6 | |
| | 1900 | 372 | 993.9 | | 994.9 | 996.5 | 997.3 | 998.4 | 1000.4 | 1002.0 | 1002.9 | 1003.7 | 1004.2 | 1005.4 | |
| | 2200 | 372 | 994.6 | | 995.8 | 997.3 | 997.9 | 999.1 | 1001.1 | 1002.7 | 1003.9 | 1004.4 | 1004.8 | 1007.2 | |
| | AUGUST | 0100 | 360 | 994.9 | | 995.6 | 995.8 | 996.5 | 997.8 | 1000.0 | 1002.1 | 1003.2 | 1004.3 | 1004.8 | 1006.4 |
| | | 0400 | 360 | 994.6 | | 995.3 | 995.8 | 996.3 | 997.4 | 999.8 | 1001.8 | 1003.2 | 1003.7 | 1004.5 | 1006.1 |
| 0700 | | 360 | 995.9 | | 996.5 | 996.8 | 997.2 | 998.4 | 1000.7 | 1002.8 | 1004.1 | 1004.9 | 1005.5 | 1006.8 | |
| 1000 | | 360 | 996.6 | | 997.3 | 997.3 | 997.9 | 999.1 | 1001.4 | 1003.5 | 1004.9 | 1005.3 | 1006.2 | 1007.4 | |
| 1300 | | 360 | 995.9 | | 996.1 | 996.9 | 997.5 | 998.6 | 1000.8 | 1002.9 | 1004.4 | 1004.9 | 1005.7 | 1006.4 | |
| 1600 | | 360 | 994.2 | | 995.2 | 996.0 | 996.5 | 997.8 | 999.9 | 1001.9 | 1003.3 | 1004.1 | 1004.8 | 1005.8 | |
| 1900 | | 360 | 993.9 | | 995.5 | 996.3 | 996.3 | 997.3 | 999.5 | 1001.6 | 1003.0 | 1003.9 | 1004.7 | 1005.3 | |
| 2200 | | 360 | 994.2 | | 995.8 | 996.6 | 997.2 | 997.8 | 1000.2 | 1002.4 | 1003.7 | 1004.7 | 1005.4 | 1006.4 | |

TABLE 12. (Concluded)

| MONTH | HOUR | NUM OBS | ABS MIN | 0.135 | 1.000 | 2.280 | 5.000 | PRESSURE (NT/SQ M/100) | | | | | | | ABS MAX |
|-----------|----------|------------|------------|-------|-------|-------|--------|------------------------|--------|--------|--------|--------|--------|--------|------------|
| | | | | | | | | PERCENTILE 15.900 | 50.000 | 84.100 | 95.000 | 97.720 | 99.000 | 99.865 | |
| SEPTEMBER | 0100 | 360 | 989.8 | 993.5 | 994.2 | 995.3 | 997.0 | 999.3 | 1001.8 | 1003.4 | 1004.1 | 1005.4 | 1005.8 | | |
| | 0400 | 360 | 990.9 | 993.2 | 993.9 | 994.6 | 996.6 | 999.3 | 1001.5 | 1003.4 | 1004.4 | 1004.7 | 1005.8 | | |
| | 0700 | 360 | 991.5 | 993.9 | 994.6 | 995.6 | 997.3 | 1000.1 | 1002.5 | 1004.7 | 1004.8 | 1005.7 | 1006.8 | | |
| | 1000 | 360 | 992.6 | 994.2 | 995.3 | 996.3 | 998.0 | 1000.8 | 1003.1 | 1004.2 | 1005.3 | 1006.6 | 1006.8 | | |
| | 1300 | 360 | 990.9 | 993.6 | 994.6 | 995.6 | 997.6 | 1000.3 | 1002.4 | 1003.3 | 1004.1 | 1005.2 | 1010.5 | | |
| | 1600 | 360 | 989.5 | 992.9 | 994.2 | 994.9 | 996.6 | 999.3 | 1001.5 | 1002.4 | 1003.0 | 1003.8 | 1005.1 | | |
| | 1900 | 360 | 989.2 | 993.3 | 994.0 | 995.3 | 996.6 | 999.2 | 1001.4 | 1002.5 | 1003.2 | 1003.8 | 1005.2 | | |
| | 2200 | 360 | 989.5 | 993.6 | 994.2 | 995.6 | 997.3 | 999.8 | 1002.0 | 1003.2 | 1004.0 | 1004.4 | 1006.1 | | |
| | OCTOBER | 0100 | 360 | 992.9 | 994.2 | 995.0 | 997.0 | 998.9 | 1001.8 | 1004.4 | 1005.9 | 1007.4 | 1008.3 | 1008.8 | |
| | | 0400 | 360 | 992.9 | 993.8 | 994.6 | 996.2 | 998.5 | 1001.6 | 1003.9 | 1005.5 | 1006.7 | 1008.2 | 1008.5 | |
| | | 0700 | 360 | 992.9 | 994.2 | 995.7 | 997.0 | 999.0 | 1002.3 | 1004.8 | 1006.3 | 1006.8 | 1008.6 | 1008.8 | |
| | | 1000 | 360 | 992.2 | 995.5 | 996.4 | 997.4 | 1000.2 | 1003.0 | 1005.8 | 1007.2 | 1007.8 | 1008.5 | 1008.5 | |
| 1300 | | 360 | 990.5 | 994.5 | 995.6 | 996.3 | 999.0 | 1001.9 | 1004.7 | 1006.0 | 1006.9 | 1007.4 | 1007.5 | | |
| 1600 | | 360 | 988.5 | 993.4 | 994.7 | 995.4 | 998.2 | 1001.2 | 1003.9 | 1005.2 | 1005.9 | 1007.3 | 1007.8 | | |
| 1900 | | 360 | 989.2 | 994.2 | 994.9 | 996.1 | 998.8 | 1001.7 | 1004.3 | 1005.7 | 1006.2 | 1006.8 | 1008.3 | | |
| 2200 | | 360 | 991.2 | 994.2 | 995.6 | 996.7 | 999.3 | 1002.3 | 1004.8 | 1006.0 | 1007.0 | 1007.5 | 1008.6 | | |
| NOVEMBER | | 0100 | 360 | 992.2 | 993.9 | 995.0 | 997.4 | 1000.4 | 1004.3 | 1007.4 | 1010.8 | 1011.3 | 1014.4 | 1014.9 | |
| | | 0400 | 360 | 990.9 | 993.5 | 994.6 | 997.0 | 1000.1 | 1003.8 | 1007.1 | 1010.5 | 1011.5 | 1014.3 | 1014.6 | |
| | | 0700 | 360 | 992.2 | 993.5 | 995.2 | 997.3 | 1000.5 | 1004.4 | 1007.7 | 1010.8 | 1011.6 | 1013.2 | 1016.3 | |
| | | 1000 | 360 | 992.9 | 994.5 | 995.6 | 998.9 | 1001.4 | 1005.2 | 1008.7 | 1012.2 | 1012.6 | 1015.4 | 1016.9 | |
| | 1300 | 360 | 991.2 | 993.5 | 994.9 | 997.3 | 1000.1 | 1003.9 | 1007.3 | 1010.8 | 1011.4 | 1014.1 | 1015.6 | | |
| | 1600 | 360 | 988.8 | 993.2 | 994.9 | 997.0 | 999.7 | 1003.3 | 1006.7 | 1008.8 | 1010.2 | 1010.9 | 1013.7 | | |
| | 1900 | 360 | 989.8 | 993.5 | 995.3 | 997.6 | 1000.2 | 1003.8 | 1007.2 | 1010.8 | 1011.8 | 1014.2 | 1016.3 | | |
| | 2200 | 360 | 991.9 | 994.1 | 995.9 | 998.0 | 1000.7 | 1004.5 | 1007.7 | 1011.1 | 1011.5 | 1014.6 | 1015.9 | | |
| | DECEMBER | 0100 | 360 | 990.9 | 992.2 | 994.2 | 995.6 | 1000.4 | 1005.5 | 1008.9 | 1011.5 | 1012.8 | 1016.6 | 1017.3 | |
| | | 0400 | 360 | 988.2 | 992.1 | 993.6 | 995.6 | 1000.3 | 1005.1 | 1008.7 | 1011.2 | 1012.4 | 1016.3 | 1016.6 | |
| | | 0700 | 360 | 988.2 | 991.9 | 994.2 | 996.2 | 1000.4 | 1005.6 | 1008.9 | 1011.6 | 1012.5 | 1016.3 | 1016.6 | |
| | | 1000 | 360 | 988.5 | 992.8 | 995.3 | 997.0 | 1001.8 | 1006.8 | 1010.2 | 1012.7 | 1012.7 | 1015.2 | 1018.3 | |
| 1300 | | 360 | 985.1 | 991.8 | 994.2 | 995.3 | 999.9 | 1003.1 | 1008.7 | 1011.2 | 1012.4 | 1013.5 | 1014.8 | | |
| 1600 | | 360 | 987.1 | 991.8 | 993.3 | 995.3 | 999.4 | 1004.7 | 1008.4 | 1010.8 | 1011.8 | 1012.9 | 1014.9 | | |
| 1900 | | 360 | 988.8 | 993.2 | 993.9 | 995.7 | 1000.0 | 1005.0 | 1008.8 | 1011.3 | 1012.5 | 1013.2 | 1016.3 | | |
| 2200 | | 360 | 990.9 | 993.0 | 993.9 | 996.0 | 1000.7 | 1005.6 | 1009.1 | 1011.7 | 1013.1 | 1014.1 | 1016.6 | | |

TABLE 13. VANDENBERG AIR FORCE BASE VAPOR PRESSURE

| HOUR | NUM OSS | ABS MIN | 0.125 | 1.000 | 2.250 | VAPOR PRESSURE (MT/SQ M/100) | | | | | 95.000 | 97.720 | 99.000 | 99.855 | ABS MAX |
|----------|------------|------------|-------|-------|-------|------------------------------|--------|--------|------------|--------|--------|--------|--------|--------|------------|
| | | | | | | 5.000 | 10.000 | 15.000 | PERCENTILE | 84.100 | | | | | |
| JANUARY | | | | | | | | | | | | | | | |
| 0100 | 372 | 2.21 | 3.4 | 4.3 | 4.9 | 5.9 | 6.5 | 12.0 | 13.0 | 15.3 | 15.1 | 16.4 | 16.7 | 16.7 | 16.7 |
| 0200 | 372 | 3.9 | 3.4 | 4.0 | 4.3 | 4.9 | 7.9 | 11.5 | 13.0 | 14.9 | 15.0 | 16.6 | 16.7 | 16.6 | 16.6 |
| 0300 | 372 | 2.9 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 |
| 0400 | 372 | 2.3 | 3.3 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 |
| 0500 | 372 | 3.7 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 |
| 0600 | 372 | 6.0 | 4.7 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| 0700 | 372 | 2.7 | 3.4 | 4.2 | 5.2 | 5.2 | 9.3 | 12.0 | 13.0 | 15.5 | 15.7 | 17.0 | 17.0 | 17.0 | 17.0 |
| FEBRUARY | | | | | | | | | | | | | | | |
| 0100 | 339 | 3.5 | 4.0 | 4.4 | 5.0 | 5.0 | 9.2 | 12.0 | 14.0 | 14.5 | 15.4 | 16.7 | 17.4 | 17.4 | 17.4 |
| 0400 | 339 | 3.6 | 3.8 | 4.3 | 4.9 | 4.9 | 8.3 | 11.5 | 13.0 | 14.4 | 15.0 | 16.1 | 16.7 | 16.7 | 16.7 |
| 0700 | 339 | 5.2 | 3.5 | 4.3 | 4.3 | 5.0 | 8.2 | 11.5 | 13.0 | 14.5 | 14.9 | 16.0 | 16.0 | 16.0 | 16.0 |
| 1000 | 339 | 3.2 | 3.5 | 4.5 | 5.0 | 5.6 | 5.9 | 12.5 | 14.6 | 15.6 | 16.2 | 17.7 | 17.7 | 17.7 | 17.7 |
| 1300 | 339 | 2.9 | 3.4 | 3.9 | 5.5 | 7.5 | 10.3 | 12.9 | 14.5 | 15.5 | 16.1 | 17.1 | 17.1 | 17.1 | 17.1 |
| 1600 | 339 | 2.5 | 4.5 | 5.3 | 6.0 | 8.2 | 10.7 | 13.0 | 14.5 | 15.1 | 16.2 | 17.2 | 17.2 | 17.2 | 17.2 |
| 1900 | 339 | 3.4 | 4.9 | 5.6 | 6.9 | 8.5 | 10.7 | 12.5 | 14.0 | 14.5 | 14.9 | 15.6 | 15.6 | 15.6 | 15.6 |
| 2200 | 339 | 3.5 | 4.8 | 5.0 | 5.5 | 7.5 | 9.9 | 12.1 | 14.0 | 14.5 | 15.0 | 16.1 | 16.1 | 16.1 | 16.1 |
| MARCH | | | | | | | | | | | | | | | |
| 0100 | 372 | 3.9 | 4.5 | 5.2 | 6.0 | 7.5 | 9.6 | 11.5 | 12.5 | 13.3 | 14.4 | 15.2 | 15.2 | 15.2 | 15.2 |
| 0400 | 372 | 4.4 | 4.8 | 5.2 | 6.0 | 7.0 | 9.2 | 11.1 | 12.4 | 12.9 | 13.5 | 14.9 | 14.9 | 14.9 | 14.9 |
| 0700 | 372 | 4.3 | 4.6 | 5.3 | 6.0 | 6.9 | 9.2 | 11.1 | 12.0 | 12.4 | 13.0 | 14.2 | 14.2 | 14.2 | 14.2 |
| 1000 | 372 | 4.2 | 4.8 | 5.4 | 6.2 | 7.4 | 9.9 | 12.0 | 13.0 | 13.9 | 14.5 | 15.3 | 15.3 | 15.3 | 15.3 |
| 1300 | 372 | 3.8 | 4.6 | 5.1 | 5.9 | 8.2 | 10.4 | 12.5 | 14.0 | 14.4 | 15.6 | 17.7 | 17.7 | 17.7 | 17.7 |
| 1600 | 372 | 4.0 | 4.8 | 6.0 | 6.3 | 8.8 | 10.7 | 12.4 | 13.5 | 14.4 | 15.0 | 16.2 | 16.2 | 16.2 | 16.2 |
| 1900 | 372 | 4.1 | 5.7 | 6.7 | 7.3 | 8.8 | 10.7 | 12.0 | 13.0 | 13.7 | 14.5 | 15.4 | 15.4 | 15.4 | 15.4 |
| 2200 | 372 | 4.5 | 5.2 | 5.7 | 6.3 | 8.2 | 10.3 | 12.0 | 12.9 | 13.4 | 14.6 | 15.5 | 15.5 | 15.5 | 15.5 |
| APRIL | | | | | | | | | | | | | | | |
| 0100 | 360 | 4.8 | 5.2 | 6.0 | 6.7 | 8.3 | 10.0 | 11.6 | 12.9 | 13.4 | 14.1 | 15.1 | 15.1 | 15.1 | 15.1 |
| 0400 | 360 | 4.3 | 5.4 | 5.8 | 6.7 | 7.9 | 9.9 | 11.5 | 12.4 | 12.9 | 14.1 | 14.7 | 14.7 | 14.7 | 14.7 |
| 0700 | 360 | 4.5 | 5.5 | 6.0 | 7.0 | 8.2 | 10.3 | 11.6 | 12.4 | 13.4 | 14.4 | 14.7 | 14.7 | 14.7 | 14.7 |
| 1000 | 360 | 5.2 | 5.7 | 6.2 | 7.0 | 8.5 | 10.7 | 12.5 | 13.6 | 14.6 | 15.1 | 16.2 | 16.2 | 16.2 | 16.2 |
| 1300 | 360 | 6.0 | 6.3 | 6.5 | 7.3 | 9.2 | 11.1 | 12.6 | 13.7 | 14.4 | 15.2 | 15.8 | 15.8 | 15.8 | 15.8 |
| 1600 | 360 | 6.0 | 6.6 | 7.2 | 7.9 | 9.2 | 11.1 | 12.5 | 13.6 | 14.5 | 15.7 | 15.7 | 15.7 | 15.7 | 15.7 |
| 1900 | 360 | 5.7 | 6.4 | 7.0 | 7.9 | 9.2 | 10.7 | 12.0 | 13.0 | 13.9 | 15.1 | 17.1 | 17.1 | 17.1 | 17.1 |
| 2200 | 360 | 4.8 | 5.9 | 6.9 | 7.5 | 9.9 | 10.3 | 12.0 | 13.0 | 13.3 | 14.9 | 15.2 | 15.2 | 15.2 | 15.2 |

* For period of record.

TABLE 13. (Continued)

| | HOUR | NUM OBS | ABS MIN | VAPOR PRESSURE (INT/SQ M/100) | | | | | | | 95.000 | 97.720 | 99.000 | 99.865 | ABS MAX |
|------|--------|------------|------------|-------------------------------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|------------|
| | | | | 0.135 | 1.000 | 2.280 | 5.000 | 15.900 | 50.000 | 84.100 | | | | | |
| MAY | 0100 | 372 | 4.1 | 6.4 | 7.7 | 8.8 | 9.6 | 11.1 | 12.4 | 13.5 | 13.9 | 14.4 | 15.0 | 15.0 | |
| | 0400 | 372 | 6.2 | 7.1 | 7.7 | 8.5 | 9.6 | 11.1 | 12.4 | 13.4 | 13.9 | 13.9 | 14.5 | 14.5 | |
| | 0700 | 372 | 6.7 | 7.2 | 7.8 | 8.8 | 9.6 | 11.2 | 12.9 | 13.9 | 14.0 | 14.4 | 15.1 | 15.7 | |
| | 1000 | 372 | 6.7 | 7.1 | 8.1 | 8.8 | 10.0 | 11.6 | 13.4 | 14.5 | 15.1 | 15.7 | 18.2 | 18.6 | |
| | 1300 | 372 | 7.6 | 8.3 | 8.8 | 9.2 | 10.3 | 11.6 | 13.5 | 14.6 | 15.7 | 16.8 | 18.6 | 19.4 | |
| | 1600 | 372 | 7.9 | 8.4 | 8.8 | 9.5 | 10.3 | 11.6 | 13.4 | 14.4 | 15.0 | 15.1 | 17.2 | 18.1 | |
| | 1900 | 372 | 7.9 | 8.1 | 8.8 | 9.2 | 10.3 | 11.6 | 13.0 | 13.9 | 14.4 | 14.5 | 17.5 | 19.4 | |
| | 2200 | 372 | 6.5 | 8.0 | 8.5 | 9.2 | 10.0 | 11.5 | 12.9 | 13.5 | 13.9 | 14.0 | 15.0 | 15.0 | |
| | JUNE | 0100 | 360 | 8.0 | 8.8 | 9.6 | 10.0 | 11.1 | 12.0 | 13.9 | 15.0 | 15.6 | 15.7 | 17.1 | 18.1 |
| | | 0400 | 360 | 7.1 | 8.7 | 9.2 | 9.9 | 10.7 | 12.0 | 13.4 | 14.5 | 15.6 | 15.8 | 17.1 | 18.0 |
| 0700 | | 360 | 9.3 | 9.9 | 10.3 | 10.7 | 11.1 | 12.4 | 13.9 | 15.1 | 15.7 | 16.3 | 17.6 | 17.8 | |
| 1000 | | 360 | 7.7 | 9.5 | 10.3 | 10.7 | 11.5 | 12.9 | 14.5 | 15.7 | 16.2 | 17.4 | 18.6 | 18.7 | |
| 1300 | | 360 | 9.2 | 10.4 | 10.5 | 11.1 | 11.6 | 13.0 | 14.6 | 16.2 | 16.7 | 17.9 | 19.9 | 20.2 | |
| 1600 | | 360 | 9.2 | 10.4 | 10.4 | 11.1 | 11.9 | 13.0 | 14.6 | 15.7 | 16.2 | 16.8 | 17.8 | 18.1 | |
| 1900 | | 360 | 9.5 | 9.9 | 10.3 | 10.7 | 11.5 | 12.9 | 14.4 | 15.1 | 15.6 | 16.2 | 17.3 | 18.0 | |
| 2200 | | 360 | 9.2 | 9.9 | 10.3 | 10.3 | 11.1 | 12.4 | 13.9 | 15.0 | 15.5 | 15.6 | 16.7 | 17.5 | |
| JULY | | 0100 | 372 | 9.6 | 10.3 | 10.4 | 11.1 | 12.0 | 13.0 | 14.4 | 15.1 | 15.6 | 16.1 | 16.4 | 16.7 |
| | | 0400 | 372 | 9.2 | 9.5 | 10.5 | 11.1 | 11.9 | 12.9 | 14.4 | 15.0 | 15.6 | 15.6 | 16.1 | 16.2 |
| | 0700 | 372 | 10.5 | 10.7 | 11.1 | 11.5 | 12.4 | 13.4 | 14.5 | 15.5 | 16.1 | 16.2 | 17.4 | 18.0 | |
| | 1000 | 372 | 9.6 | 11.2 | 11.5 | 12.0 | 12.9 | 14.0 | 15.1 | 16.3 | 16.9 | 17.5 | 20.1 | 20.3 | |
| | 1300 | 372 | 8.6 | 11.3 | 11.6 | 12.0 | 12.9 | 13.9 | 15.1 | 16.2 | 16.8 | 17.4 | 18.5 | 18.8 | |
| | 1600 | 372 | 8.1 | 11.6 | 11.8 | 12.0 | 12.9 | 13.6 | 15.1 | 15.7 | 16.3 | 17.3 | 18.1 | 18.2 | |
| | 1900 | 372 | 11.1 | 11.4 | 11.6 | 12.0 | 12.4 | 13.4 | 14.9 | 15.6 | 16.2 | 16.3 | 17.0 | 17.3 | |
| | 2200 | 372 | 6.8 | 10.7 | 11.1 | 11.5 | 12.4 | 13.4 | 14.5 | 15.5 | 15.6 | 16.1 | 16.2 | 16.2 | |
| | AUGUST | 0100 | 360 | 7.0 | 10.2 | 10.9 | 11.9 | 12.5 | 13.9 | 14.6 | 15.6 | 15.6 | 16.1 | 17.3 | 17.4 |
| | | 0400 | 360 | 8.5 | 10.3 | 10.7 | 11.6 | 12.4 | 13.5 | 14.7 | 15.5 | 15.6 | 16.3 | 19.0 | 19.3 |
| 0700 | | 360 | 9.1 | 11.1 | 11.9 | 12.4 | 12.9 | 13.9 | 15.0 | 15.6 | 16.1 | 16.2 | 17.7 | 18.7 | |
| 1000 | | 360 | 9.8 | 11.2 | 12.0 | 12.6 | 13.4 | 14.6 | 15.7 | 16.7 | 17.4 | 17.6 | 19.5 | 20.7 | |
| 1300 | | 360 | 10.1 | 11.6 | 12.4 | 12.5 | 13.4 | 14.5 | 15.6 | 16.8 | 17.4 | 18.1 | 19.7 | 20.2 | |
| 1600 | | 360 | 11.2 | 12.2 | 12.4 | 12.6 | 13.4 | 14.4 | 15.6 | 16.2 | 16.8 | 17.9 | 19.1 | 19.5 | |
| 1900 | | 360 | 9.3 | 12.0 | 12.0 | 12.4 | 13.0 | 14.0 | 15.1 | 15.7 | 16.2 | 16.7 | 18.0 | 18.6 | |
| 2200 | | 360 | 8.4 | 11.1 | 11.6 | 12.0 | 12.9 | 14.0 | 15.1 | 15.7 | 16.1 | 16.2 | 17.8 | 18.8 | |

TABLE 13. (Concluded)

| HOUR | NUM OBS | ABS MIN | VAPOR PRESSURE (NT/SQ M/100) | | | | | | | | | | ABS MAX | |
|-----------|------------|------------|------------------------------|-------|-------|-------|--------|--------|--------|--------|--------|--------|------------|--------|
| | | | 0.135 | 1.000 | 2.280 | 5.000 | 15.000 | 50.000 | 84.100 | 95.000 | 97.720 | 99.000 | | 99.865 |
| SEPTEMBER | | | | | | | | | | | | | | |
| 0100 | 360 | 3.4 | | 5.6 | 6.4 | 9.2 | 11.5 | 13.5 | 15.0 | 16.2 | 16.7 | 17.0 | 18.0 | 18.7 |
| 0400 | 360 | 3.3 | | 4.9 | 6.0 | 8.6 | 11.5 | 13.4 | 15.1 | 16.1 | 16.8 | 17.4 | 18.3 | 19.4 |
| 0700 | 360 | 3.4 | | 4.7 | 5.9 | 8.9 | 12.0 | 13.5 | 15.0 | 16.1 | 17.2 | 17.8 | 18.8 | 20.0 |
| 1000 | 360 | 4.6 | | 5.6 | 6.8 | 8.5 | 12.6 | 14.5 | 16.2 | 17.4 | 18.2 | 19.0 | 20.3 | 22.3 |
| 1300 | 360 | 4.8 | | 5.9 | 7.3 | 10.1 | 12.5 | 14.5 | 16.2 | 17.4 | 18.2 | 18.7 | 20.3 | 20.4 |
| 1600 | 360 | 4.8 | | 6.0 | 7.6 | 11.2 | 12.9 | 14.5 | 16.2 | 17.4 | 17.6 | 18.3 | 18.7 | 18.8 |
| 1900 | 360 | 5.2 | | 6.3 | 9.0 | 11.2 | 12.6 | 14.0 | 15.6 | 16.8 | 17.4 | 18.3 | 18.7 | 18.8 |
| 2200 | 360 | 5.3 | | 5.6 | 8.0 | 9.6 | 12.0 | 13.9 | 15.6 | 16.2 | 16.8 | 17.5 | 19.0 | 19.4 |
| OCTOBER | | | | | | | | | | | | | | |
| 0100 | 360 | 3.9 | | 4.0 | 5.2 | 6.0 | 9.2 | 12.4 | 14.5 | 16.1 | 16.2 | 16.7 | 18.1 | 18.7 |
| 0400 | 360 | 3.1 | | 3.8 | 4.5 | 5.3 | 8.2 | 12.0 | 14.3 | 15.6 | 16.1 | 16.7 | 17.6 | 18.0 |
| 0700 | 360 | 3.1 | | 3.8 | 4.2 | 4.9 | 7.7 | 12.0 | 14.0 | 15.6 | 16.2 | 16.8 | 18.7 | 20.0 |
| 1000 | 360 | 3.4 | | 3.6 | 4.5 | 5.7 | 8.2 | 13.0 | 15.5 | 16.8 | 18.0 | 19.0 | 20.9 | 21.6 |
| 1300 | 360 | 3.8 | | 4.6 | 5.5 | 6.2 | 10.4 | 13.5 | 15.6 | 17.4 | 18.2 | 18.7 | 20.1 | 20.1 |
| 1600 | 360 | 4.9 | | 5.2 | 6.2 | 7.5 | 11.6 | 13.5 | 15.6 | 16.8 | 17.4 | 17.6 | 18.7 | 18.8 |
| 1900 | 360 | 4.1 | | 5.0 | 6.3 | 7.3 | 11.1 | 13.4 | 15.1 | 16.2 | 16.7 | 17.4 | 17.4 | 17.4 |
| 2200 | 360 | 2.8 | | 5.3 | 6.1 | 6.8 | 9.7 | 12.9 | 15.0 | 16.1 | 16.7 | 16.8 | 17.3 | 17.4 |
| NOVEMBER | | | | | | | | | | | | | | |
| 0100 | 360 | 2.8 | | 3.1 | 4.3 | 5.2 | 7.0 | 11.1 | 13.4 | 15.0 | 15.4 | 15.6 | 16.7 | 16.7 |
| 0400 | 360 | 1.9 | | 2.9 | 3.9 | 4.7 | 6.5 | 10.3 | 12.9 | 14.6 | 15.1 | 15.8 | 17.0 | 17.3 |
| 0700 | 360 | 2.2 | | 2.8 | 3.3 | 4.4 | 6.2 | 10.3 | 12.9 | 14.4 | 15.5 | 15.8 | 16.4 | 16.7 |
| 1000 | 360 | 2.6 | | 3.3 | 4.1 | 5.0 | 6.7 | 11.5 | 14.1 | 15.1 | 16.2 | 17.0 | 18.6 | 19.3 |
| 1300 | 360 | 2.7 | | 3.5 | 4.0 | 5.6 | 8.2 | 11.7 | 14.1 | 15.7 | 16.2 | 16.9 | 18.1 | 18.7 |
| 1600 | 360 | 3.4 | | 3.9 | 5.0 | 5.7 | 9.2 | 12.6 | 14.6 | 15.6 | 16.6 | 16.9 | 18.0 | 18.0 |
| 1900 | 360 | 4.3 | | 4.7 | 5.2 | 6.2 | 8.5 | 12.0 | 14.3 | 15.6 | 16.1 | 16.7 | 17.1 | 17.4 |
| 2200 | 360 | 3.5 | | 4.5 | 5.1 | 5.7 | 7.5 | 11.2 | 13.9 | 15.1 | 15.7 | 16.1 | 17.0 | 17.3 |
| DECEMBER | | | | | | | | | | | | | | |
| 0100 | 360 | 2.1 | | 2.5 | 4.3 | 4.7 | 6.2 | 8.5 | 11.6 | 13.9 | 15.3 | 15.7 | 16.5 | 16.8 |
| 0400 | 360 | 1.8 | | 2.4 | 3.8 | 4.3 | 5.7 | 8.1 | 11.5 | 13.5 | 15.3 | 16.1 | 16.5 | 16.8 |
| 0700 | 360 | 2.1 | | 2.7 | 3.5 | 4.1 | 5.5 | 7.5 | 11.1 | 13.9 | 15.5 | 16.1 | 16.8 | 17.4 |
| 1000 | 360 | 1.9 | | 3.1 | 3.9 | 4.3 | 5.8 | 8.9 | 12.0 | 14.6 | 16.1 | 16.7 | 17.4 | 18.0 |
| 1300 | 360 | 2.2 | | 3.6 | 3.9 | 4.8 | 6.6 | 9.7 | 12.9 | 15.0 | 16.8 | 17.3 | 18.0 | 18.6 |
| 1600 | 360 | 2.0 | | 3.6 | 4.7 | 5.4 | 7.3 | 10.4 | 13.4 | 15.1 | 15.9 | 16.9 | 17.7 | 18.0 |
| 1900 | 360 | 2.1 | | 3.1 | 4.2 | 5.2 | 6.9 | 10.0 | 12.8 | 14.5 | 15.5 | 16.3 | 17.1 | 17.4 |
| 2200 | 360 | 1.5 | | 2.6 | 4.1 | 5.0 | 6.5 | 9.2 | 12.0 | 14.4 | 15.5 | 16.1 | 16.8 | 17.4 |

TABLE 14. VANDENBERG AIR FORCE BASE MIXING RATIO

| HOUR | NUM OBS | ABS MIN | 0.135 | 1.000 | 2.280 | MIXING RATIO (G/KG) | | | | | | | | ABS* MAX |
|----------|------------|------------|-------|-------|-------|---------------------|--------|--------|--------|--------|--------|--------|--------|-------------|
| | | | | | | 5.000 | 15.900 | 50.000 | 84.100 | 95.000 | 97.720 | 99.000 | 99.865 | |
| JANUARY | | | | | | | | | | | | | | |
| 0100 | 372 | 1.3 | 2.2 | 2.6 | 3.0 | 3.6 | 5.3 | 7.5 | 8.8 | 9.6 | 10.2 | 10.4 | 10.5 | |
| 0400 | 372 | 1.2 | 2.1 | 2.5 | 2.8 | 3.4 | 4.9 | 7.2 | 8.7 | 9.4 | 9.9 | 10.6 | 10.6 | |
| 0700 | 372 | 1.5 | 1.8 | 2.3 | 2.5 | 3.2 | 4.6 | 7.2 | 8.5 | 9.0 | 9.4 | 10.3 | 10.6 | |
| 1000 | 372 | 1.4 | 2.0 | 2.4 | 2.8 | 3.6 | 5.5 | 7.5 | 9.1 | 9.5 | 10.2 | 11.2 | 11.3 | |
| 1300 | 372 | 2.2 | 2.3 | 2.6 | 3.1 | 4.0 | 5.8 | 7.9 | 9.5 | 10.2 | 11.0 | 12.0 | 12.1 | |
| 1600 | 372 | 2.3 | 2.5 | 3.0 | 3.5 | 4.4 | 6.2 | 8.1 | 9.8 | 10.0 | 10.6 | 11.4 | 11.8 | |
| 1900 | 372 | 2.5 | 2.9 | 3.2 | 3.4 | 4.2 | 6.0 | 7.8 | 9.1 | 10.1 | 10.4 | 10.8 | 11.0 | |
| 2200 | 372 | 1.6 | 2.1 | 2.6 | 3.2 | 3.9 | 5.7 | 7.8 | 8.9 | 9.7 | 10.2 | 10.2 | 10.2 | |
| FEBRUARY | | | | | | | | | | | | | | |
| 0100 | 339 | 2.2 | 2.5 | 2.7 | 3.1 | 4.2 | 5.8 | 7.5 | 8.8 | 9.1 | 9.6 | 10.5 | 10.9 | |
| 0400 | 339 | 2.2 | 2.3 | 2.7 | 3.0 | 3.9 | 5.5 | 7.2 | 8.4 | 9.1 | 9.4 | 10.1 | 10.5 | |
| 0700 | 339 | 2.0 | 2.2 | 2.7 | 3.0 | 3.7 | 5.1 | 7.2 | 8.2 | 9.1 | 9.3 | 10.1 | 10.2 | |
| 1000 | 339 | 2.0 | 2.1 | 2.8 | 3.1 | 4.1 | 6.2 | 7.8 | 9.1 | 9.8 | 10.2 | 11.2 | 11.3 | |
| 1300 | 339 | 1.8 | 2.1 | 2.4 | 3.5 | 4.7 | 6.5 | 8.1 | 9.2 | 9.8 | 10.2 | 10.8 | 10.9 | |
| 1600 | 339 | 1.6 | 2.6 | 3.3 | 3.7 | 5.1 | 6.7 | 8.2 | 9.2 | 9.6 | 10.2 | 11.3 | 11.4 | |
| 1900 | 339 | 1.9 | 2.8 | 3.5 | 4.3 | 5.3 | 6.7 | 7.9 | 8.8 | 9.1 | 9.4 | 10.1 | 10.4 | |
| 2200 | 339 | 2.2 | 3.0 | 3.1 | 3.4 | 4.7 | 6.2 | 7.6 | 8.7 | 9.1 | 9.4 | 10.1 | 10.5 | |
| MARCH | | | | | | | | | | | | | | |
| 0100 | 372 | 2.7 | 2.8 | 3.2 | 3.7 | 4.7 | 6.0 | 7.2 | 7.8 | 8.4 | 8.8 | 9.5 | 9.7 | |
| 0400 | 372 | 2.7 | 3.0 | 3.3 | 3.7 | 4.3 | 5.8 | 7.0 | 7.8 | 8.1 | 8.5 | 9.4 | 9.5 | |
| 0700 | 372 | 2.7 | 2.9 | 3.3 | 3.7 | 4.3 | 5.8 | 6.9 | 7.5 | 7.8 | 8.1 | 8.9 | 9.4 | |
| 1000 | 372 | 2.6 | 3.0 | 3.4 | 3.9 | 4.6 | 6.2 | 7.5 | 8.2 | 8.7 | 8.9 | 9.7 | 9.9 | |
| 1300 | 372 | 2.4 | 2.9 | 3.2 | 4.1 | 5.2 | 6.5 | 7.8 | 8.8 | 9.1 | 9.6 | 11.2 | 12.3 | |
| 1600 | 372 | 2.4 | 3.0 | 2.8 | 4.2 | 5.5 | 6.7 | 7.8 | 8.5 | 9.1 | 9.5 | 10.2 | 10.5 | |
| 1900 | 372 | 2.5 | 3.6 | 4.2 | 4.7 | 5.6 | 6.7 | 7.5 | 8.1 | 8.6 | 9.1 | 9.7 | 10.1 | |
| 2200 | 372 | 2.8 | 3.2 | 3.5 | 4.2 | 5.1 | 6.4 | 7.5 | 8.1 | 8.4 | 9.1 | 9.8 | 10.0 | |
| APRIL | | | | | | | | | | | | | | |
| 0100 | 360 | 3.0 | 3.2 | 3.7 | 4.2 | 5.2 | 6.2 | 7.3 | 8.1 | 8.3 | 8.8 | 9.5 | 9.8 | |
| 0400 | 360 | 2.7 | 3.4 | 3.6 | 4.1 | 4.9 | 6.2 | 7.2 | 7.8 | 8.2 | 8.8 | 9.3 | 9.4 | |
| 0700 | 360 | 2.8 | 3.4 | 3.7 | 4.3 | 5.1 | 6.4 | 7.3 | 7.8 | 8.4 | 8.9 | 9.3 | 9.5 | |
| 1000 | 360 | 3.2 | 3.6 | 3.9 | 4.3 | 5.3 | 6.7 | 7.8 | 8.6 | 9.2 | 9.5 | 10.2 | 10.2 | |
| 1300 | 360 | 3.7 | 4.0 | 4.1 | 4.7 | 5.7 | 7.0 | 7.9 | 8.6 | 9.1 | 9.5 | 10.0 | 10.2 | |
| 1600 | 360 | 3.7 | 4.2 | 4.5 | 5.0 | 5.8 | 7.0 | 7.8 | 8.5 | 9.3 | 9.9 | 9.9 | 9.9 | |
| 1900 | 360 | 3.6 | 4.0 | 4.4 | 4.9 | 5.8 | 6.7 | 7.6 | 8.2 | 8.7 | 9.5 | 10.8 | 11.0 | |
| 2200 | 360 | 3.0 | 3.7 | 4.4 | 4.7 | 5.6 | 6.5 | 7.5 | 8.2 | 8.8 | 9.4 | 9.8 | 9.8 | |

* For period of record.

TABLE 14. (Continued)

| | HOUR | NUM OBS | ABS MIN | 0.135 | 1.000 | 2.280 | 5.000 | MIXING RATIO (G/KG) | | | | | ABS MAX | | |
|------|--------|------------|------------|-------|-------|-------|-------|----------------------|--------|--------|--------|--------|------------|--------|--------|
| | | | | | | | | PERCENTILE 15,900 | 50,000 | 84,100 | 95,000 | 97,720 | | 99,000 | 99,865 |
| MAY | 0100 | 372 | 2.6 | 4.0 | 4.7 | 5.5 | 6.0 | 7.0 | 7.8 | 8.5 | 8.8 | 9.0 | 9.4 | 9.5 | |
| | 0400 | 372 | 3.9 | 4.4 | 4.8 | 5.3 | 6.0 | 7.0 | 7.8 | 8.5 | 8.7 | 8.8 | 9.1 | 9.1 | |
| | 0700 | 372 | 4.2 | 4.5 | 4.9 | 5.5 | 6.0 | 7.0 | 8.1 | 8.7 | 8.8 | 9.1 | 9.5 | 9.9 | |
| | 1000 | 372 | 4.2 | 4.5 | 5.1 | 5.5 | 6.2 | 7.2 | 8.4 | 9.1 | 9.6 | 9.9 | 11.5 | 11.7 | |
| | 1300 | 372 | 2.2 | 5.0 | 5.5 | 5.7 | 6.4 | 7.3 | 8.5 | 9.2 | 9.9 | 10.6 | 11.8 | 12.2 | |
| | 1600 | 372 | 5.0 | 5.3 | 5.5 | 6.0 | 6.4 | 7.3 | 8.4 | 9.1 | 9.4 | 9.5 | 11.5 | 12.8 | |
| | 1900 | 372 | 4.9 | 5.1 | 5.5 | 5.8 | 6.4 | 7.3 | 8.1 | 8.7 | 9.1 | 9.2 | 11.1 | 12.2 | |
| | 2200 | 372 | 4.0 | 5.1 | 5.3 | 5.8 | 6.2 | 7.2 | 8.1 | 8.5 | 8.8 | 8.8 | 9.4 | 9.4 | |
| | JUNE | 0100 | 360 | 5.0 | 5.5 | 6.0 | 6.3 | 7.0 | 7.6 | 8.8 | 9.5 | 9.8 | 9.9 | 10.9 | 11.5 |
| | | 0400 | 360 | 4.4 | 5.5 | 5.7 | 6.2 | 6.8 | 7.6 | 8.5 | 9.2 | 9.8 | 10.0 | 10.8 | 11.4 |
| 0700 | | 360 | 5.8 | 6.1 | 6.4 | 6.7 | 7.0 | 7.8 | 8.8 | 9.5 | 9.9 | 10.4 | 11.1 | 11.3 | |
| 1000 | | 360 | 4.8 | 6.1 | 6.5 | 6.7 | 7.2 | 8.1 | 9.2 | 9.9 | 10.2 | 11.0 | 11.8 | 11.8 | |
| 1300 | | 360 | 5.8 | 6.5 | 6.6 | 7.0 | 7.3 | 8.2 | 9.2 | 10.2 | 10.6 | 11.3 | 12.3 | 12.8 | |
| 1600 | | 360 | 5.8 | 6.5 | 6.6 | 7.0 | 7.3 | 8.2 | 9.2 | 9.9 | 10.3 | 10.7 | 11.3 | 11.4 | |
| 1900 | | 360 | 6.0 | 6.2 | 6.5 | 6.7 | 7.3 | 8.1 | 9.1 | 9.5 | 9.8 | 10.3 | 11.0 | 11.4 | |
| 2200 | | 360 | 5.7 | 6.2 | 6.4 | 6.5 | 7.0 | 7.8 | 8.8 | 9.5 | 9.8 | 9.9 | 10.7 | 11.1 | |
| JULY | | 0100 | 372 | 6.0 | 6.5 | 6.6 | 7.0 | 7.6 | 8.2 | 9.1 | 9.5 | 9.8 | 10.2 | 10.4 | 10.6 |
| | | 0400 | 372 | 5.8 | 6.0 | 6.6 | 7.0 | 7.5 | 8.1 | 9.1 | 9.5 | 9.8 | 9.8 | 10.2 | 10.3 |
| | 0700 | 372 | 6.6 | 6.8 | 7.0 | 7.2 | 7.8 | 8.4 | 9.1 | 9.8 | 10.2 | 10.3 | 11.0 | 11.4 | |
| | 1000 | 372 | 6.0 | 7.0 | 7.2 | 7.5 | 8.1 | 8.8 | 9.5 | 10.3 | 10.9 | 11.0 | 12.8 | 12.8 | |
| | 1300 | 372 | 5.4 | 7.1 | 7.3 | 7.6 | 8.1 | 8.8 | 9.6 | 10.2 | 10.7 | 11.0 | 11.7 | 12.0 | |
| | 1600 | 372 | 5.1 | 7.3 | 7.4 | 7.6 | 8.1 | 8.6 | 9.5 | 9.9 | 10.6 | 11.0 | 11.5 | 11.5 | |
| | 1900 | 372 | 7.0 | 7.2 | 7.3 | 7.5 | 7.8 | 8.4 | 9.4 | 9.9 | 10.2 | 10.3 | 10.8 | 11.0 | |
| | 2200 | 372 | 4.3 | 6.7 | 7.0 | 7.3 | 7.8 | 8.4 | 9.2 | 9.8 | 9.9 | 10.2 | 10.2 | 10.3 | |
| | AUGUST | 0100 | 360 | 4.4 | 6.5 | 6.8 | 7.5 | 7.9 | 8.8 | 9.2 | 9.8 | 9.9 | 10.2 | 11.0 | 11.1 |
| | | 0400 | 360 | 5.4 | 6.5 | 6.7 | 7.3 | 7.8 | 8.5 | 9.2 | 9.8 | 9.8 | 10.2 | 12.0 | 12.2 |
| 0700 | | 360 | 5.7 | 7.1 | 7.5 | 7.8 | 8.1 | 8.8 | 9.5 | 9.8 | 10.1 | 10.2 | 11.2 | 11.9 | |
| 1000 | | 360 | 6.1 | 7.2 | 7.7 | 8.0 | 8.4 | 9.2 | 9.9 | 10.6 | 11.0 | 11.0 | 12.3 | 13.1 | |
| 1300 | | 360 | 6.3 | 7.3 | 7.8 | 7.9 | 8.4 | 9.2 | 9.9 | 10.5 | 11.0 | 11.4 | 12.5 | 12.8 | |
| 1600 | | 360 | 7.1 | 7.8 | 7.9 | 7.9 | 8.5 | 9.1 | 9.9 | 10.3 | 10.6 | 11.2 | 12.1 | 12.4 | |
| 1900 | | 360 | 5.9 | 7.6 | 7.6 | 7.8 | 8.2 | 8.8 | 9.5 | 9.9 | 10.2 | 10.6 | 11.4 | 11.8 | |
| 2200 | | 360 | 5.3 | 7.0 | 7.3 | 7.6 | 8.2 | 8.8 | 9.5 | 9.9 | 10.1 | 10.2 | 11.3 | 11.9 | |

TABLE 14. (Concluded)

| MONTH | HOUR | NUM OBS | ABS MIN | 0.135 | 1.000 | 2.280 | 5.000 | MIXING RATIO (G/KG) | | | | | | | ABS MAX |
|-----------|----------|------------|------------|-------|-------|-------|-------|----------------------|--------|--------|--------|--------|--------|--------|------------|
| | | | | | | | | PERCENTILE 15.900 | 50.000 | 84.100 | 95.000 | 97.720 | 99.000 | 99.865 | |
| SEPTEMBER | 0100 | 360 | 2.2 | 3.5 | 4.0 | 5.8 | 7.3 | 8.5 | 9.5 | 10.2 | 10.6 | 10.8 | 11.4 | 11.8 | |
| | 0400 | 360 | 2.1 | 3.1 | 3.8 | 5.4 | 7.2 | 8.5 | 9.6 | 10.2 | 10.6 | 11.0 | 11.6 | 11.8 | |
| | 0700 | 360 | 2.1 | 2.9 | 3.7 | 5.6 | 7.5 | 8.5 | 9.5 | 10.2 | 10.9 | 11.0 | 11.9 | 12.3 | |
| | 1000 | 360 | 2.8 | 3.5 | 4.2 | 5.3 | 7.8 | 9.1 | 10.2 | 11.1 | 11.5 | 11.9 | 12.5 | 12.6 | |
| | 1300 | 360 | 3.0 | 3.7 | 4.6 | 6.3 | 7.8 | 9.2 | 10.2 | 11.0 | 11.5 | 12.0 | 13.5 | 14.1 | |
| | 1600 | 360 | 3.0 | 3.9 | 4.8 | 7.0 | 8.1 | 9.1 | 10.3 | 11.0 | 11.2 | 11.9 | 12.9 | 13.0 | |
| | 1900 | 360 | 3.3 | 4.0 | 5.6 | 7.1 | 7.9 | 8.8 | 9.9 | 10.6 | 11.0 | 11.5 | 11.9 | 11.9 | |
| | 2200 | 360 | 3.3 | 3.5 | 5.0 | 6.0 | 7.6 | 8.8 | 9.8 | 10.3 | 10.7 | 11.1 | 12.1 | 12.3 | |
| | OCTOBER | 0100 | 360 | 2.4 | 2.5 | 3.3 | 3.7 | 5.7 | 7.8 | 9.2 | 10.1 | 10.2 | 10.6 | 11.4 | 11.8 |
| | | 0400 | 360 | 1.9 | 2.3 | 2.8 | 3.3 | 5.1 | 7.5 | 9.0 | 9.9 | 10.2 | 10.5 | 11.2 | 11.3 |
| 0700 | | 360 | 1.9 | 2.3 | 2.6 | 3.0 | 4.8 | 7.5 | 8.8 | 9.8 | 10.2 | 10.7 | 11.8 | 12.6 | |
| 1000 | | 360 | 2.1 | 2.2 | 2.8 | 3.6 | 5.1 | 8.2 | 9.7 | 10.6 | 11.4 | 12.0 | 13.2 | 13.6 | |
| 1300 | | 360 | 2.4 | 2.8 | 3.5 | 3.9 | 6.5 | 8.5 | 9.8 | 11.0 | 11.5 | 11.8 | 12.7 | 12.8 | |
| 1600 | | 360 | 3.0 | 3.2 | 3.9 | 4.7 | 7.3 | 8.5 | 9.8 | 10.6 | 11.0 | 11.2 | 11.8 | 12.9 | |
| 1900 | | 360 | 2.6 | 3.1 | 3.9 | 4.6 | 7.0 | 8.4 | 9.5 | 10.3 | 10.6 | 11.0 | 11.8 | 11.0 | |
| 2200 | | 360 | 1.8 | 3.3 | 3.8 | 4.2 | 6.0 | 8.1 | 9.4 | 10.2 | 10.6 | 10.6 | 11.0 | 11.0 | |
| NOVEMBER | | 0100 | 360 | 1.8 | 1.9 | 2.7 | 3.2 | 4.4 | 6.9 | 8.5 | 9.4 | 9.7 | 9.9 | 10.5 | 10.6 |
| | | 0400 | 360 | 1.2 | 1.8 | 2.4 | 2.9 | 4.1 | 6.5 | 8.1 | 9.2 | 9.6 | 9.9 | 10.7 | 10.9 |
| | 0700 | 360 | 1.3 | 1.8 | 2.1 | 2.7 | 3.8 | 6.4 | 8.1 | 9.1 | 9.8 | 10.0 | 10.3 | 10.5 | |
| | 1000 | 360 | 1.6 | 2.0 | 2.6 | 3.1 | 4.2 | 7.2 | 8.8 | 9.5 | 10.3 | 10.7 | 11.8 | 12.3 | |
| | 1300 | 360 | 1.7 | 2.1 | 2.5 | 3.5 | 5.1 | 7.4 | 8.9 | 9.9 | 10.3 | 10.7 | 11.4 | 11.8 | |
| | 1600 | 360 | 2.1 | 2.4 | 3.2 | 4.2 | 5.8 | 7.9 | 9.1 | 9.9 | 10.5 | 10.7 | 11.4 | 11.4 | |
| | 1900 | 360 | 2.7 | 2.9 | 3.3 | 3.9 | 5.4 | 7.5 | 9.0 | 9.8 | 10.2 | 10.6 | 10.7 | 10.9 | |
| | 2200 | 360 | 2.2 | 2.8 | 3.2 | 3.6 | 4.7 | 7.0 | 8.7 | 9.5 | 9.9 | 10.2 | 10.7 | 10.9 | |
| | DECEMBER | 0100 | 360 | 1.3 | 1.5 | 2.6 | 2.9 | 3.9 | 5.3 | 7.3 | 8.7 | 9.7 | 9.9 | 10.4 | 10.7 |
| | | 0400 | 360 | 1.1 | 1.5 | 2.3 | 2.7 | 3.6 | 5.1 | 7.2 | 8.5 | 9.7 | 10.1 | 10.5 | 10.7 |
| 0700 | | 360 | 1.3 | 1.7 | 2.2 | 2.6 | 3.4 | 4.7 | 7.0 | 8.7 | 9.7 | 10.1 | 10.6 | 11.1 | |
| 1000 | | 360 | 1.2 | 1.9 | 2.1 | 2.7 | 3.6 | 5.5 | 7.5 | 9.2 | 10.1 | 10.5 | 11.0 | 11.3 | |
| 1300 | | 360 | 1.4 | 2.2 | 2.4 | 3.0 | 4.2 | 6.1 | 8.0 | 9.4 | 10.7 | 10.9 | 11.4 | 11.7 | |
| 1600 | | 360 | 1.2 | 2.2 | 2.9 | 3.4 | 4.6 | 6.5 | 8.4 | 9.4 | 10.1 | 10.6 | 11.2 | 11.3 | |
| 1900 | | 360 | 1.3 | 1.9 | 2.5 | 3.3 | 4.3 | 6.2 | 8.0 | 9.1 | 9.8 | 10.2 | 10.8 | 11.1 | |
| 2200 | | 360 | 1.6 | 1.6 | 2.5 | 3.1 | 4.1 | 5.7 | 7.5 | 9.0 | 9.7 | 10.2 | 10.6 | 11.0 | |

TABLE 15. VANDENBERG AIR FORCE BASE DENSITY

| HOUR | NUM OBS | ABS MIN | 0.135 | 1.000 | 2.280 | 5.000 | DENSITY (G/CM ³) PERCENTILE | | | | | | | ABS* MAX |
|----------|------------|------------|--------|--------|--------|--------|--|--------|--------|--------|--------|--------|--------|-------------|
| | | | | | | | 15.900 | 50.000 | 84.100 | 95.000 | 97.720 | 99.000 | 99.865 | |
| JANUARY | | | | | | | | | | | | | | |
| 0100 | 372 | 1187.4 | 1197.5 | 1207.4 | 1213.3 | 1222.7 | 1238.6 | 1257.7 | 1269.3 | 1273.2 | 1276.2 | 1283.0 | 1285.3 | |
| 0400 | 372 | 1187.4 | 1197.5 | 1207.4 | 1213.6 | 1223.6 | 1240.8 | 1261.1 | 1272.2 | 1274.6 | 1278.9 | 1288.8 | 1290.7 | |
| 0700 | 372 | 1186.0 | 1201.0 | 1207.0 | 1214.2 | 1224.7 | 1244.3 | 1266.5 | 1277.3 | 1282.4 | 1287.0 | 1293.1 | 1293.3 | |
| 1000 | 372 | 1188.6 | 1192.1 | 1195.7 | 1199.1 | 1205.4 | 1225.1 | 1238.9 | 1251.1 | 1254.3 | 1259.1 | 1267.3 | 1272.0 | |
| 1300 | 372 | 1168.9 | 1172.9 | 1177.8 | 1182.8 | 1190.5 | 1211.3 | 1222.2 | 1231.9 | 1236.0 | 1239.0 | 1253.6 | 1262.7 | |
| 1600 | 372 | 1170.0 | 1177.0 | 1185.1 | 1189.5 | 1201.8 | 1216.5 | 1225.7 | 1232.6 | 1237.7 | 1241.7 | 1249.3 | 1252.9 | |
| 1900 | 372 | 1185.0 | 1192.6 | 1201.9 | 1208.3 | 1218.1 | 1229.1 | 1245.0 | 1254.5 | 1259.7 | 1263.5 | 1272.4 | 1276.5 | |
| 2200 | 372 | 1185.3 | 1196.3 | 1205.4 | 1211.9 | 1220.4 | 1234.8 | 1253.4 | 1264.9 | 1268.0 | 1272.8 | 1278.3 | 1279.9 | |
| FEBRUARY | | | | | | | | | | | | | | |
| 0100 | 339 | 1194.6 | 1201.5 | 1205.2 | 1212.4 | 1221.7 | 1236.3 | 1250.4 | 1259.4 | 1266.6 | 1268.7 | 1273.2 | 1276.1 | |
| 0400 | 339 | 1196.5 | 1203.8 | 1207.6 | 1213.4 | 1222.9 | 1239.3 | 1254.6 | 1264.3 | 1268.9 | 1277.0 | 1280.1 | 1282.6 | |
| 0700 | 339 | 1197.6 | 1201.7 | 1204.1 | 1215.4 | 1224.7 | 1242.6 | 1257.8 | 1269.3 | 1275.1 | 1277.7 | 1282.5 | 1286.2 | |
| 1000 | 339 | 1175.4 | 1187.7 | 1194.7 | 1200.0 | 1208.0 | 1230.3 | 1230.7 | 1237.0 | 1241.3 | 1245.2 | 1254.4 | 1261.4 | |
| 1300 | 339 | 1165.9 | 1177.0 | 1181.1 | 1187.6 | 1198.3 | 1210.9 | 1220.7 | 1224.9 | 1227.5 | 1231.2 | 1240.0 | 1240.8 | |
| 1600 | 339 | 1184.5 | 1187.4 | 1192.6 | 1195.9 | 1205.7 | 1215.1 | 1222.5 | 1226.4 | 1229.5 | 1232.6 | 1238.6 | 1241.9 | |
| 1900 | 339 | 1192.8 | 1201.8 | 1203.7 | 1209.6 | 1218.7 | 1228.3 | 1236.4 | 1243.5 | 1246.7 | 1248.3 | 1255.7 | 1259.8 | |
| 2200 | 339 | 1193.1 | 1200.2 | 1206.7 | 1210.6 | 1220.9 | 1232.5 | 1247.6 | 1256.3 | 1262.1 | 1267.3 | 1275.2 | 1281.2 | |
| MARCH | | | | | | | | | | | | | | |
| 0100 | 372 | 1193.4 | 1203.6 | 1207.8 | 1216.3 | 1224.8 | 1233.3 | 1246.8 | 1256.3 | 1262.0 | 1266.3 | 1269.4 | 1269.8 | |
| 0400 | 372 | 1200.1 | 1205.4 | 1211.5 | 1218.8 | 1226.2 | 1235.8 | 1251.7 | 1259.3 | 1266.2 | 1268.0 | 1270.5 | 1270.7 | |
| 0700 | 372 | 1202.5 | 1207.3 | 1213.2 | 1219.6 | 1225.4 | 1236.9 | 1251.8 | 1261.6 | 1265.3 | 1270.8 | 1272.8 | 1274.6 | |
| 1000 | 372 | 1169.3 | 1176.8 | 1183.9 | 1189.6 | 1203.4 | 1218.7 | 1227.6 | 1234.1 | 1237.9 | 1240.0 | 1244.7 | 1247.6 | |
| 1300 | 372 | 1166.6 | 1173.9 | 1177.7 | 1189.0 | 1198.4 | 1211.9 | 1220.5 | 1227.1 | 1229.2 | 1231.8 | 1235.4 | 1236.3 | |
| 1600 | 372 | 1162.7 | 1178.4 | 1180.9 | 1192.4 | 1205.4 | 1215.6 | 1223.2 | 1227.9 | 1230.4 | 1232.5 | 1241.0 | 1243.9 | |
| 1900 | 372 | 1182.0 | 1198.3 | 1205.0 | 1210.5 | 1218.5 | 1227.0 | 1234.1 | 1238.9 | 1242.1 | 1245.0 | 1247.5 | 1248.1 | |
| 2200 | 372 | 1188.3 | 1203.6 | 1208.1 | 1214.0 | 1221.4 | 1231.7 | 1241.7 | 1250.3 | 1254.2 | 1257.6 | 1265.6 | 1267.6 | |
| APRIL | | | | | | | | | | | | | | |
| 0100 | 360 | 1184.0 | 1194.7 | 1202.5 | 1212.7 | 1221.0 | 1232.2 | 1242.8 | 1251.8 | 1255.8 | 1259.9 | 1263.5 | 1265.0 | |
| 0400 | 360 | 1193.6 | 1198.6 | 1199.9 | 1211.6 | 1221.4 | 1233.4 | 1245.4 | 1254.8 | 1258.6 | 1263.7 | 1267.2 | 1268.6 | |
| 0700 | 360 | 1174.7 | 1187.0 | 1199.8 | 1209.3 | 1217.4 | 1230.0 | 1240.7 | 1247.6 | 1250.4 | 1253.3 | 1257.8 | 1258.5 | |
| 1000 | 360 | 1146.0 | 1156.6 | 1169.6 | 1176.8 | 1190.9 | 1215.4 | 1225.2 | 1230.5 | 1233.3 | 1235.5 | 1243.3 | 1245.2 | |
| 1300 | 360 | 1139.4 | 1159.8 | 1172.8 | 1181.3 | 1196.7 | 1210.5 | 1219.6 | 1224.5 | 1227.4 | 1228.2 | 1231.4 | 1232.5 | |
| 1600 | 360 | 1165.5 | 1169.2 | 1177.1 | 1186.6 | 1200.9 | 1214.0 | 1221.7 | 1225.4 | 1226.8 | 1229.3 | 1231.5 | 1234.3 | |
| 1900 | 360 | 1181.9 | 1193.3 | 1199.3 | 1204.6 | 1214.8 | 1224.6 | 1231.5 | 1236.0 | 1238.1 | 1240.3 | 1242.3 | 1243.3 | |
| 2200 | 360 | 1190.3 | 1193.6 | 1198.7 | 1208.2 | 1219.0 | 1229.9 | 1238.1 | 1243.9 | 1247.7 | 1251.3 | 1254.3 | 1255.5 | |

* For period of record.

TABLE 15. (Continued)

| MONTH | HOUR | NUM ORS | ABS MIN | 0.135 | 1.000 | 2.280 | 5.000 | DENSITY (G/CC M) | | | | 95.000 | 97.720 | 99.000 | 99.865 | ABS MAX |
|-------|--------|------------|------------|--------|--------|--------|--------|------------------|--------|--------|--------|--------|--------|--------|--------|------------|
| | | | | | | | | 15.900 | 50.000 | 84.100 | 95.000 | | | | | |
| MAY | 0100 | 372 | 1191.7 | | 1202.6 | 1210.6 | 1213.8 | 1219.5 | 1227.0 | 1234.7 | 1242.3 | 1245.4 | 1248.8 | 1252.7 | 1253.8 | |
| | 0400 | 372 | 1190.4 | | 1204.8 | 1211.7 | 1212.5 | 1220.5 | 1227.8 | 1237.0 | 1244.8 | 1247.9 | 1251.0 | 1254.6 | 1254.6 | |
| | 0700 | 372 | 1174.1 | | 1185.2 | 1199.5 | 1207.2 | 1215.6 | 1224.4 | 1231.3 | 1236.2 | 1239.0 | 1242.5 | 1246.6 | 1247.8 | |
| | 1000 | 372 | 1134.6 | | 1159.7 | 1179.7 | 1183.5 | 1202.6 | 1211.5 | 1220.1 | 1223.8 | 1226.6 | 1228.2 | 1231.3 | 1232.2 | |
| | 1300 | 372 | 1150.7 | | 1159.1 | 1180.5 | 1187.6 | 1198.6 | 1207.6 | 1214.2 | 1218.7 | 1220.1 | 1223.3 | 1225.9 | 1226.8 | |
| | 1600 | 372 | 1155.0 | | 1174.5 | 1186.4 | 1193.9 | 1202.4 | 1210.7 | 1216.7 | 1221.1 | 1224.2 | 1225.9 | 1227.8 | 1228.7 | |
| | 1900 | 372 | 1165.9 | | 1195.5 | 1200.3 | 1205.8 | 1213.2 | 1220.1 | 1226.0 | 1230.3 | 1232.5 | 1233.5 | 1235.9 | 1237.6 | |
| | 2200 | 372 | 1191.4 | | 1207.9 | 1210.3 | 1213.2 | 1218.7 | 1225.4 | 1232.0 | 1235.3 | 1238.3 | 1240.5 | 1247.2 | 1247.7 | |
| | JUNE | 0100 | 360 | 1175.9 | | 1196.4 | 1200.9 | 1204.9 | 1210.3 | 1219.8 | 1225.7 | 1229.9 | 1233.3 | 1236.8 | 1242.8 | 1242.9 |
| | | 0400 | 360 | 1195.0 | | 1203.1 | 1202.5 | 1205.7 | 1210.9 | 1221.1 | 1226.7 | 1232.0 | 1236.4 | 1243.1 | 1247.5 | 1248.1 |
| | | 0700 | 360 | 1169.5 | | 1195.1 | 1199.3 | 1202.2 | 1207.6 | 1217.6 | 1224.3 | 1227.8 | 1230.4 | 1231.6 | 1233.0 | 1233.4 |
| | | 1000 | 360 | 1162.6 | | 1175.6 | 1173.6 | 1184.9 | 1194.7 | 1205.3 | 1214.9 | 1219.4 | 1221.6 | 1223.2 | 1224.2 | 1224.8 |
| 1300 | | 360 | 1163.7 | | 1170.7 | 1173.6 | 1184.1 | 1190.7 | 1200.4 | 1207.0 | 1212.1 | 1214.5 | 1215.7 | 1218.6 | 1219.2 | |
| 1600 | | 360 | 1162.4 | | 1173.3 | 1170.9 | 1186.6 | 1193.5 | 1203.1 | 1209.1 | 1214.0 | 1215.4 | 1216.4 | 1218.2 | 1218.7 | |
| 1900 | | 360 | 1177.2 | | 1189.1 | 1182.8 | 1197.5 | 1204.2 | 1212.0 | 1217.8 | 1221.6 | 1222.6 | 1224.2 | 1226.1 | 1226.2 | |
| 2200 | | 360 | 1193.0 | | 1197.2 | 1201.2 | 1203.8 | 1209.1 | 1218.2 | 1223.8 | 1227.5 | 1230.0 | 1230.9 | 1236.4 | 1240.6 | |
| JULY | | 0100 | 372 | 1189.2 | | 1196.8 | 1202.0 | 1204.3 | 1209.7 | 1215.6 | 1221.9 | 1226.1 | 1228.6 | 1229.4 | 1233.7 | 1233.8 |
| | | 0400 | 372 | 1189.4 | | 1202.6 | 1204.4 | 1206.7 | 1211.0 | 1217.4 | 1223.2 | 1227.2 | 1230.8 | 1235.1 | 1236.9 | 1237.0 |
| | | 0700 | 372 | 1159.4 | | 1191.0 | 1196.6 | 1201.0 | 1208.4 | 1215.9 | 1222.1 | 1226.3 | 1228.6 | 1229.6 | 1231.0 | 1232.0 |
| | | 1000 | 372 | 1165.3 | | 1173.1 | 1176.9 | 1180.7 | 1190.7 | 1202.6 | 1212.4 | 1218.4 | 1219.8 | 1220.9 | 1224.8 | 1226.1 |
| | 1300 | 372 | 1153.6 | | 1165.1 | 1174.6 | 1180.4 | 1187.7 | 1196.1 | 1202.7 | 1208.2 | 1210.8 | 1212.3 | 1221.0 | 1221.4 | |
| | 1600 | 372 | 1147.6 | | 1167.8 | 1176.2 | 1181.5 | 1190.5 | 1199.4 | 1206.9 | 1209.5 | 1211.9 | 1213.5 | 1215.7 | 1215.9 | |
| | 1900 | 372 | 1160.7 | | 1183.3 | 1187.9 | 1196.0 | 1202.3 | 1208.9 | 1215.3 | 1218.4 | 1220.5 | 1221.8 | 1224.3 | 1224.7 | |
| | 2200 | 372 | 1164.9 | | 1190.4 | 1199.4 | 1204.0 | 1208.0 | 1214.2 | 1219.7 | 1223.7 | 1226.8 | 1227.4 | 1229.0 | 1229.8 | |
| | AUGUST | 0100 | 360 | 1175.5 | | 1193.1 | 1200.3 | 1202.5 | 1205.8 | 1211.9 | 1217.8 | 1222.0 | 1224.0 | 1225.3 | 1230.3 | 1232.6 |
| | | 0400 | 360 | 1162.8 | | 1192.7 | 1199.9 | 1203.6 | 1207.6 | 1213.4 | 1218.3 | 1222.3 | 1224.3 | 1226.3 | 1234.4 | 1239.4 |
| | | 0700 | 360 | 1146.2 | | 1187.0 | 1195.5 | 1199.1 | 1206.4 | 1213.4 | 1218.2 | 1222.1 | 1224.1 | 1226.5 | 1228.5 | 1228.7 |
| | | 1000 | 360 | 1120.6 | | 1163.7 | 1172.1 | 1175.8 | 1186.3 | 1198.8 | 1208.8 | 1214.0 | 1215.3 | 1216.3 | 1221.7 | 1223.6 |
| 1300 | | 360 | 1142.1 | | 1160.2 | 1167.5 | 1175.4 | 1182.2 | 1191.2 | 1198.4 | 1203.8 | 1205.4 | 1206.4 | 1208.6 | 1209.5 | |
| 1600 | | 360 | 1161.0 | | 1162.7 | 1167.8 | 1175.6 | 1187.0 | 1195.6 | 1201.6 | 1205.7 | 1208.2 | 1209.3 | 1213.3 | 1213.7 | |
| 1900 | | 360 | 1170.0 | | 1178.7 | 1188.2 | 1193.9 | 1199.9 | 1205.6 | 1210.8 | 1213.7 | 1215.2 | 1216.3 | 1218.6 | 1218.6 | |
| 2200 | | 360 | 1178.5 | | 1190.2 | 1197.9 | 1200.4 | 1204.1 | 1209.7 | 1215.1 | 1218.4 | 1219.8 | 1221.5 | 1225.5 | 1225.8 | |

TABLE 15. (Concluded)

| HOUR | NUM ORS | ABS MIN | C.135 | 1.000 | 2.28C | 5.000 | DENSITY (G/CU M) | | | | | 95.000 | 97.720 | 99.000 | 99.865 | ABS MAX | |
|-----------|------------|------------|-------|--------|--------|--------|------------------|--------|--------|--------|--------|--------|--------|--------|--------|------------|--------|
| | | | | | | | 15.900 | 50.000 | 84.100 | 95.000 | 97.720 | | | | | 99.000 | 99.865 |
| SEPTEMBER | | | | | | | | | | | | | | | | | |
| 0100 | 360 | 1172.0 | | 1179.7 | 1190.5 | 1195.1 | 1201.9 | 1210.2 | 1219.6 | 1226.0 | 1230.0 | 1232.5 | 1234.5 | 1235.0 | | | |
| 0400 | 360 | 1172.2 | | 1184.0 | 1192.4 | 1196.1 | 1201.9 | 1211.2 | 1220.0 | 1228.6 | 1233.9 | 1239.6 | 1245.0 | 1246.1 | | | |
| 0700 | 360 | 1171.6 | | 1175.1 | 1185.6 | 1192.3 | 1200.1 | 1211.2 | 1219.6 | 1223.8 | 1225.9 | 1229.0 | 1234.4 | 1235.5 | | | |
| 1000 | 360 | 1178.8 | | 1140.4 | 1147.2 | 1156.9 | 1177.7 | 1196.1 | 1207.0 | 1213.4 | 1215.3 | 1216.7 | 1222.3 | 1225.8 | | | |
| 1300 | 360 | 1125.2 | | 1145.3 | 1148.3 | 1155.8 | 1175.8 | 1190.2 | 1197.9 | 1202.8 | 1204.6 | 1207.2 | 1212.8 | 1213.6 | | | |
| 1600 | 360 | 1141.1 | | 1147.8 | 1158.2 | 1170.5 | 1180.4 | 1193.5 | 1201.3 | 1205.6 | 1208.6 | 1209.8 | 1211.1 | 1211.2 | | | |
| 1900 | 360 | 1172.2 | | 1179.4 | 1182.2 | 1188.6 | 1195.0 | 1204.3 | 1210.7 | 1213.5 | 1214.8 | 1216.6 | 1217.7 | 1217.8 | | | |
| 2200 | 360 | 1170.1 | | 1183.2 | 1190.6 | 1193.9 | 1199.9 | 1208.9 | 1216.2 | 1220.8 | 1223.8 | 1224.8 | 1228.2 | 1229.3 | | | |
| OCTOBER | | | | | | | | | | | | | | | | | |
| 0100 | 360 | 1170.7 | | 1179.9 | 1191.7 | 1197.5 | 1203.3 | 1214.2 | 1226.3 | 1235.7 | 1242.1 | 1245.0 | 1252.7 | 1255.5 | | | |
| 0400 | 360 | 1173.8 | | 1184.3 | 1193.0 | 1197.4 | 1204.7 | 1215.9 | 1228.1 | 1237.8 | 1244.2 | 1247.7 | 1253.7 | 1256.9 | | | |
| 0700 | 360 | 1166.9 | | 1178.7 | 1185.7 | 1195.3 | 1203.2 | 1215.8 | 1228.1 | 1237.6 | 1241.4 | 1244.0 | 1253.7 | 1257.6 | | | |
| 1000 | 360 | 1134.8 | | 1137.3 | 1146.9 | 1153.7 | 1173.8 | 1193.5 | 1208.8 | 1217.6 | 1220.9 | 1223.1 | 1226.9 | 1228.8 | | | |
| 1300 | 360 | 1123.1 | | 1135.9 | 1145.4 | 1157.7 | 1171.5 | 1190.3 | 1201.8 | 1207.8 | 1210.8 | 1213.8 | 1219.2 | 1220.7 | | | |
| 1600 | 360 | 1134.5 | | 1147.5 | 1158.4 | 1167.5 | 1182.7 | 1196.8 | 1206.7 | 1211.0 | 1215.6 | 1216.9 | 1220.4 | 1222.1 | | | |
| 1900 | 360 | 1175.3 | | 1177.9 | 1184.0 | 1192.9 | 1199.6 | 1209.5 | 1218.1 | 1224.0 | 1227.6 | 1229.9 | 1236.5 | 1237.0 | | | |
| 2200 | 360 | 1170.0 | | 1177.7 | 1187.2 | 1194.1 | 1202.4 | 1213.0 | 1222.8 | 1231.7 | 1234.5 | 1242.2 | 1249.4 | 1249.6 | | | |
| NOVEMBER | | | | | | | | | | | | | | | | | |
| 0100 | 360 | 1180.1 | | 1188.4 | 1196.5 | 1201.2 | 1209.0 | 1224.8 | 1241.9 | 1255.3 | 1260.5 | 1264.6 | 1268.4 | 1268.8 | | | |
| 0400 | 360 | 1183.2 | | 1192.5 | 1194.2 | 1200.7 | 1211.3 | 1228.2 | 1245.8 | 1257.1 | 1261.3 | 1267.7 | 1275.4 | 1279.5 | | | |
| 0700 | 360 | 1181.4 | | 1191.6 | 1198.3 | 1207.7 | 1211.4 | 1229.4 | 1247.1 | 1259.0 | 1264.2 | 1269.9 | 1274.3 | 1275.4 | | | |
| 1000 | 360 | 1146.5 | | 1161.7 | 1171.8 | 1182.6 | 1192.6 | 1208.6 | 1221.5 | 1229.9 | 1234.1 | 1236.3 | 1241.9 | 1242.4 | | | |
| 1300 | 360 | 1151.4 | | 1160.3 | 1167.8 | 1173.7 | 1185.4 | 1200.1 | 1211.5 | 1218.2 | 1222.2 | 1223.6 | 1226.6 | 1226.8 | | | |
| 1600 | 360 | 1170.3 | | 1171.9 | 1175.9 | 1182.9 | 1194.9 | 1206.2 | 1215.2 | 1222.4 | 1227.2 | 1228.3 | 1232.2 | 1233.5 | | | |
| 1900 | 360 | 1182.3 | | 1189.0 | 1193.9 | 1206.1 | 1206.8 | 1217.9 | 1229.6 | 1241.4 | 1245.8 | 1249.9 | 1258.8 | 1259.2 | | | |
| 2200 | 360 | 1189.6 | | 1193.8 | 1196.3 | 1199.0 | 1209.2 | 1222.1 | 1235.7 | 1250.5 | 1256.0 | 1260.7 | 1270.6 | 1272.4 | | | |
| DECEMBER | | | | | | | | | | | | | | | | | |
| 0100 | 360 | 1190.0 | | 1198.4 | 1206.0 | 1210.4 | 1221.3 | 1239.0 | 1256.4 | 1269.5 | 1270.4 | 1279.1 | 1284.5 | 1286.3 | | | |
| 0400 | 360 | 1184.9 | | 1200.4 | 1207.9 | 1212.4 | 1223.3 | 1241.2 | 1259.0 | 1271.1 | 1275.4 | 1282.8 | 1289.2 | 1289.5 | | | |
| 0700 | 360 | 1184.2 | | 1198.8 | 1208.9 | 1214.0 | 1226.7 | 1245.0 | 1261.0 | 1276.3 | 1278.9 | 1284.4 | 1287.9 | 1288.1 | | | |
| 1000 | 360 | 1186.8 | | 1198.3 | 1195.7 | 1201.1 | 1209.1 | 1223.4 | 1236.6 | 1245.0 | 1249.5 | 1251.1 | 1256.5 | 1260.9 | | | |
| 1300 | 360 | 1164.1 | | 1171.2 | 1178.2 | 1183.6 | 1193.9 | 1210.4 | 1220.4 | 1229.3 | 1232.6 | 1237.0 | 1239.7 | 1241.8 | | | |
| 1600 | 360 | 1173.2 | | 1184.2 | 1187.8 | 1193.5 | 1202.9 | 1215.7 | 1224.5 | 1231.7 | 1235.9 | 1241.1 | 1244.2 | 1245.2 | | | |
| 1900 | 360 | 1187.5 | | 1193.8 | 1200.1 | 1207.1 | 1217.6 | 1229.5 | 1242.4 | 1253.3 | 1258.9 | 1261.2 | 1268.0 | 1272.0 | | | |
| 2200 | 360 | 1189.4 | | 1197.2 | 1203.3 | 1207.8 | 1220.6 | 1236.6 | 1250.1 | 1261.8 | 1266.0 | 1275.4 | 1277.2 | 1279.1 | | | |

TABLE 16. VANDENBERG AIR FORCE BASE ENTHALPY

| HOUR | NUM OBS | ABS MIN | ENTHALPY (JOULES/G) | | | | | | | | | | ABS* | |
|----------|------------|------------|---------------------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|-----|
| | | | 0.135 | 1.000 | 2.280 | 5.000 | 15.900 | 50.000 | 84.100 | 95.000 | 97.720 | 99.000 | 99.865 | MAX |
| JANUARY | | | | | | | | | | | | | | |
| 0100 | 372 | 25.6 | 26.3 | 28.3 | 29.6 | 32.8 | 39.6 | 47.5 | 52.8 | 55.3 | 58.9 | 59.7 | 59.9 | |
| 0400 | 372 | 23.4 | 25.8 | 27.4 | 28.0 | 31.3 | 38.4 | 46.8 | 52.1 | 54.9 | 58.0 | 61.0 | 61.0 | |
| 0700 | 372 | 22.0 | 24.0 | 25.0 | 26.5 | 30.3 | 37.3 | 46.7 | 51.5 | 53.6 | 55.2 | 60.3 | 60.9 | |
| 1000 | 372 | 23.7 | 30.8 | 32.7 | 34.3 | 37.5 | 43.7 | 50.6 | 55.0 | 57.3 | 58.9 | 63.5 | 64.0 | |
| 1300 | 372 | 29.6 | 34.7 | 36.9 | 38.5 | 42.4 | 48.3 | 54.1 | 57.6 | 61.0 | 64.1 | 68.0 | 68.6 | |
| 1600 | 372 | 33.5 | 34.7 | 36.9 | 39.0 | 42.5 | 47.7 | 52.7 | 57.3 | 59.9 | 61.0 | 64.4 | 65.8 | |
| 1900 | 372 | 28.0 | 31.1 | 32.1 | 33.8 | 37.4 | 43.6 | 49.3 | 54.4 | 58.0 | 59.0 | 60.6 | 60.7 | |
| 2200 | 372 | 27.6 | 28.3 | 29.2 | 30.7 | 34.4 | 41.9 | 48.8 | 53.5 | 56.4 | 58.4 | 59.6 | 60.0 | |
| FEBRUARY | | | | | | | | | | | | | | |
| 0100 | 339 | 27.1 | 28.9 | 30.2 | 31.6 | 35.2 | 41.3 | 48.0 | 53.1 | 55.0 | 57.4 | 61.4 | 61.7 | |
| 0400 | 339 | 24.0 | 27.3 | 28.1 | 30.4 | 33.6 | 40.1 | 46.8 | 51.8 | 53.8 | 55.3 | 58.3 | 60.1 | |
| 0700 | 339 | 23.8 | 26.4 | 27.6 | 29.0 | 32.4 | 38.5 | 46.3 | 51.9 | 53.3 | 54.5 | 58.0 | 58.2 | |
| 1000 | 339 | 28.0 | 35.1 | 36.3 | 37.6 | 40.9 | 45.7 | 51.7 | 56.1 | 58.1 | 60.2 | 65.9 | 66.2 | |
| 1300 | 339 | 33.6 | 37.2 | 38.9 | 41.0 | 44.5 | 49.0 | 54.4 | 58.1 | 60.1 | 62.0 | 66.9 | 67.8 | |
| 1600 | 339 | 34.8 | 39.0 | 40.2 | 41.4 | 44.1 | 48.2 | 53.2 | 57.5 | 58.6 | 60.4 | 61.8 | 62.9 | |
| 1900 | 339 | 27.9 | 34.2 | 35.5 | 37.3 | 40.8 | 44.8 | 50.1 | 54.1 | 55.1 | 55.7 | 58.4 | 59.4 | |
| 2200 | 339 | 26.9 | 30.9 | 32.0 | 33.2 | 36.4 | 43.0 | 48.4 | 53.0 | 54.5 | 56.3 | 59.8 | 60.7 | |
| MARCH | | | | | | | | | | | | | | |
| 0100 | 372 | 27.1 | 30.7 | 32.3 | 34.2 | 36.9 | 42.5 | 46.4 | 49.4 | 51.3 | 53.7 | 55.7 | 56.3 | |
| 0400 | 372 | 28.8 | 29.6 | 30.7 | 32.2 | 35.1 | 41.2 | 45.4 | 48.1 | 49.8 | 51.9 | 55.4 | 55.8 | |
| 0700 | 372 | 27.7 | 28.9 | 31.2 | 32.4 | 35.2 | 40.9 | 45.4 | 47.6 | 49.1 | 50.1 | 54.4 | 54.4 | |
| 1000 | 372 | 34.4 | 36.7 | 38.7 | 40.2 | 42.8 | 47.0 | 51.4 | 54.3 | 55.3 | 56.3 | 63.8 | 65.4 | |
| 1300 | 372 | 37.8 | 38.7 | 41.0 | 42.2 | 44.8 | 49.1 | 53.2 | 55.9 | 57.7 | 59.2 | 67.2 | 72.7 | |
| 1600 | 372 | 35.6 | 38.3 | 40.2 | 42.3 | 44.5 | 48.2 | 51.7 | 54.7 | 55.8 | 57.7 | 63.9 | 67.9 | |
| 1900 | 372 | 35.1 | 36.2 | 37.0 | 39.2 | 42.0 | 45.4 | 48.6 | 51.4 | 52.5 | 53.4 | 57.1 | 59.2 | |
| 2200 | 372 | 29.9 | 34.0 | 34.8 | 36.4 | 39.2 | 43.8 | 47.5 | 50.0 | 51.6 | 53.3 | 56.8 | 57.8 | |
| APRIL | | | | | | | | | | | | | | |
| 0100 | 360 | 28.3 | 32.5 | 33.8 | 35.4 | 38.4 | 43.1 | 47.6 | 50.5 | 51.8 | 54.0 | 55.3 | 56.1 | |
| 0400 | 360 | 28.6 | 31.5 | 32.1 | 34.3 | 36.9 | 42.6 | 47.3 | 50.4 | 52.7 | 54.7 | 55.5 | 55.5 | |
| 0700 | 360 | 30.3 | 34.4 | 34.9 | 36.4 | 39.2 | 44.2 | 47.4 | 51.7 | 53.2 | 54.8 | 57.4 | 58.4 | |
| 1000 | 360 | 36.9 | 38.6 | 39.5 | 40.7 | 44.1 | 48.8 | 54.5 | 59.2 | 61.2 | 62.4 | 65.0 | 65.2 | |
| 1300 | 360 | 39.7 | 40.9 | 41.5 | 42.4 | 45.4 | 50.2 | 55.1 | 58.5 | 60.6 | 61.8 | 64.0 | 64.2 | |
| 1600 | 360 | 40.0 | 40.4 | 41.0 | 42.2 | 44.8 | 49.1 | 53.7 | 57.9 | 59.5 | 61.7 | 62.1 | 62.3 | |
| 1900 | 360 | 35.2 | 35.9 | 38.5 | 39.6 | 42.7 | 45.9 | 49.9 | 53.0 | 55.1 | 57.0 | 61.7 | 61.9 | |
| 2200 | 360 | 32.2 | 35.8 | 36.8 | 38.0 | 40.3 | 44.3 | 48.8 | 52.4 | 54.5 | 55.1 | 56.1 | 56.6 | |

* For period of record.

TABLE 16. (Continued)

| MONTH | HOUR | NUM OBS | ABS MIN | 0.135 | 1,000 | 2,280 | 5,000 | ENTHALPY (Joules/g) | | | | | | | ABS MAX | |
|-------|--------|---------|---------|-------|-------|-------|-------|---------------------|--------|--------|--------|--------|--------|--------|---------|------|
| | | | | | | | | 15,900 | 50,000 | 84,100 | 95,000 | 97,720 | 99,000 | 99,865 | | |
| MAY | 0100 | 372 | 30.4 | | 36.0 | 37.2 | 39.6 | 42.6 | 45.5 | 49.2 | 51.8 | 52.3 | 53.6 | 56.7 | 58.2 | |
| | 0400 | 372 | 33.4 | | 35.8 | 36.9 | 38.3 | 41.4 | 45.0 | 49.0 | 51.0 | 51.8 | 52.7 | 54.2 | 54.9 | |
| | 0700 | 372 | 37.2 | | 37.9 | 40.2 | 41.3 | 46.7 | 50.3 | 53.3 | 53.0 | 54.7 | 55.2 | 58.7 | 60.0 | |
| | 1000 | 372 | 41.1 | | 42.1 | 43.4 | 44.7 | 46.4 | 50.3 | 58.3 | 58.3 | 61.1 | 64.2 | 72.4 | 78.1 | |
| | 1300 | 372 | 38.4 | | 43.3 | 44.8 | 45.9 | 48.0 | 51.5 | 55.9 | 59.2 | 62.1 | 66.1 | 70.0 | 73.2 | |
| | 1600 | 372 | 41.9 | | 42.5 | 44.1 | 45.2 | 47.2 | 50.3 | 57.3 | 57.3 | 59.4 | 60.0 | 65.7 | 68.7 | |
| | 1900 | 372 | 39.9 | | 41.3 | 41.4 | 42.8 | 44.8 | 48.0 | 51.5 | 53.4 | 54.6 | 56.5 | 62.1 | 66.2 | |
| | 2200 | 372 | 38.0 | | 38.4 | 40.2 | 41.4 | 43.6 | 46.7 | 50.2 | 51.8 | 52.8 | 53.8 | 55.3 | 55.6 | |
| | JUNE | 0100 | 360 | 38.5 | | 39.5 | 42.1 | 43.1 | 45.7 | 48.3 | 52.9 | 55.8 | 57.3 | 58.1 | 61.2 | 63.2 |
| | | 0400 | 360 | 37.0 | | 38.3 | 39.7 | 41.9 | 45.0 | 48.0 | 52.3 | 54.6 | 56.6 | 58.2 | 60.6 | 62.3 |
| 0700 | | 360 | 43.1 | | 43.8 | 44.3 | 45.4 | 46.4 | 49.5 | 53.2 | 56.6 | 58.2 | 59.9 | 64.5 | 66.9 | |
| 1000 | | 360 | 42.3 | | 46.2 | 47.2 | 48.2 | 50.0 | 52.9 | 57.9 | 60.7 | 63.4 | 65.0 | 67.3 | 68.1 | |
| 1300 | | 360 | 46.1 | | 48.2 | 49.5 | 50.1 | 51.6 | 54.6 | 58.8 | 62.1 | 64.7 | 65.7 | 68.3 | 68.4 | |
| 1600 | | 360 | 47.2 | | 47.6 | 48.4 | 49.1 | 50.8 | 54.0 | 57.9 | 60.5 | 63.0 | 64.6 | 66.5 | 66.6 | |
| 1900 | | 360 | 44.4 | | 45.3 | 46.0 | 46.7 | 48.0 | 51.1 | 55.0 | 57.4 | 59.6 | 60.7 | 63.6 | 63.6 | |
| 2200 | | 360 | 39.6 | | 42.9 | 44.2 | 44.9 | 46.7 | 49.3 | 53.6 | 56.0 | 57.0 | 57.8 | 60.7 | 62.3 | |
| JULY | | 0100 | 372 | 41.4 | | 43.4 | 44.3 | 45.5 | 48.0 | 50.9 | 53.7 | 56.4 | 57.9 | 58.8 | 59.9 | 60.1 |
| | | 0400 | 372 | 39.7 | | 40.7 | 43.4 | 45.2 | 47.3 | 50.2 | 53.2 | 55.8 | 56.2 | 56.9 | 59.1 | 60.1 |
| | 0700 | 372 | 43.8 | | 44.8 | 45.5 | 46.4 | 48.2 | 51.5 | 54.6 | 57.3 | 58.3 | 61.0 | 63.5 | 64.5 | |
| | 1000 | 372 | 46.3 | | 47.7 | 48.7 | 50.2 | 52.2 | 55.8 | 59.3 | 63.1 | 66.1 | 67.2 | 69.3 | 70.5 | |
| | 1300 | 372 | 43.3 | | 50.2 | 51.2 | 52.5 | 54.3 | 57.0 | 60.7 | 63.2 | 65.0 | 67.4 | 70.2 | 71.8 | |
| | 1600 | 372 | 49.1 | | 49.6 | 50.4 | 51.6 | 53.2 | 56.0 | 59.2 | 62.2 | 64.2 | 66.8 | 68.6 | 68.8 | |
| | 1900 | 372 | 46.3 | | 47.7 | 48.4 | 49.7 | 50.5 | 52.9 | 56.0 | 58.3 | 61.0 | 62.5 | 66.3 | 67.2 | |
| | 2200 | 372 | 44.9 | | 45.5 | 46.0 | 47.6 | 49.2 | 51.6 | 54.6 | 57.0 | 58.3 | 58.9 | 60.5 | 61.2 | |
| | AUGUST | 0100 | 360 | 40.7 | | 43.9 | 46.2 | 47.6 | 49.6 | 52.9 | 55.1 | 57.2 | 57.9 | 58.6 | 62.5 | 63.8 |
| | | 0400 | 360 | 42.5 | | 44.4 | 45.5 | 47.4 | 49.3 | 52.2 | 54.4 | 56.6 | 57.3 | 59.2 | 56.4 | 66.7 |
| 0700 | | 360 | 46.3 | | 47.3 | 47.7 | 48.3 | 50.2 | 52.9 | 55.8 | 57.8 | 59.4 | 59.6 | 64.7 | 67.0 | |
| 1000 | | 360 | 49.5 | | 50.7 | 51.8 | 52.3 | 54.0 | 57.2 | 61.5 | 64.2 | 66.4 | 69.0 | 70.8 | 71.3 | |
| 1300 | | 360 | 51.6 | | 53.2 | 53.6 | 54.5 | 56.2 | 59.0 | 62.7 | 65.4 | 67.0 | 68.3 | 69.5 | 69.7 | |
| 1600 | | 360 | 50.9 | | 51.5 | 51.9 | 52.2 | 53.1 | 57.8 | 60.8 | 64.0 | 65.6 | 68.2 | 70.3 | 70.6 | |
| 1900 | | 360 | 49.3 | | 49.3 | 50.1 | 50.6 | 52.2 | 54.6 | 57.3 | 59.5 | 60.7 | 63.1 | 63.9 | 66.7 | |
| 2200 | | 360 | 44.3 | | 46.9 | 48.1 | 48.0 | 50.9 | 53.6 | 56.4 | 58.0 | 58.8 | 60.1 | 64.7 | 64.9 | |

TABLE 16. (Concluded)

| HOUR | NUM OBS | ABS MIN | ENTHALPY (JOULES/G) | | | | | | | | | | ABS MAX |
|------------------|------------|------------|---------------------|-------|-------|-------|--------|--------|--------|--------|--------|--------|------------|
| | | | 0.135 | 1.000 | 2.280 | 5.000 | 15.900 | 50.000 | 84.100 | 95.000 | 97.720 | 99.000 | |
| SEPTEMBER | | | | | | | | | | | | | |
| 0100 | 360 | 39.5 | 41.1 | 41.9 | 43.2 | 47.7 | 52.4 | 56.4 | 59.2 | 61.0 | 62.3 | 65.4 | 65.7 |
| 0400 | 360 | 37.0 | 38.0 | 40.0 | 41.8 | 46.8 | 51.8 | 56.5 | 59.2 | 61.0 | 62.5 | 64.6 | 65.7 |
| 0700 | 360 | 42.0 | 43.3 | 44.2 | 45.5 | 48.6 | 52.2 | 56.4 | 59.4 | 61.8 | 62.9 | 64.8 | 66.3 |
| 1000 | 360 | 48.2 | 50.1 | 50.5 | 51.7 | 53.6 | 57.8 | 62.7 | 66.4 | 69.8 | 71.5 | 74.1 | 74.7 |
| 1300 | 360 | 51.1 | 52.0 | 53.0 | 53.7 | 55.5 | 59.2 | 63.4 | 67.2 | 69.7 | 71.8 | 76.2 | 76.4 |
| 1600 | 360 | 50.4 | 51.3 | 52.0 | 52.6 | 54.3 | 57.8 | 61.9 | 65.0 | 67.0 | 68.9 | 69.4 | 69.4 |
| 1900 | 360 | 46.6 | 47.0 | 48.8 | 49.4 | 51.6 | 54.6 | 58.5 | 61.6 | 63.0 | 64.5 | 65.8 | 65.9 |
| 2200 | 360 | 41.8 | 42.8 | 44.1 | 46.1 | 49.3 | 53.3 | 57.4 | 60.3 | 61.9 | 63.3 | 66.6 | 67.6 |
| OCTOBER | | | | | | | | | | | | | |
| 0100 | 360 | 30.8 | 35.5 | 38.0 | 39.6 | 44.3 | 50.1 | 55.1 | 57.6 | 59.6 | 60.4 | 63.6 | 63.9 |
| 0400 | 360 | 31.2 | 34.3 | 35.0 | 37.2 | 42.6 | 48.9 | 54.4 | 57.5 | 58.7 | 60.1 | 62.5 | 63.4 |
| 0700 | 360 | 30.4 | 32.2 | 35.6 | 37.9 | 42.5 | 49.0 | 54.3 | 57.3 | 59.3 | 60.3 | 64.4 | 67.3 |
| 1000 | 360 | 38.7 | 42.8 | 45.8 | 48.3 | 51.7 | 56.0 | 60.8 | 64.9 | 66.3 | 69.1 | 73.6 | 74.4 |
| 1300 | 360 | 41.5 | 46.4 | 49.4 | 51.2 | 53.7 | 58.0 | 64.5 | 66.3 | 67.4 | 70.1 | 72.2 | 72.7 |
| 1600 | 360 | 43.5 | 47.2 | 48.9 | 50.6 | 52.8 | 56.4 | 60.6 | 63.7 | 64.8 | 65.7 | 66.7 | 66.9 |
| 1900 | 360 | 35.3 | 38.7 | 42.5 | 45.4 | 48.9 | 52.5 | 57.0 | 60.2 | 61.1 | 62.0 | 63.5 | 64.0 |
| 2200 | 360 | 33.5 | 37.5 | 39.9 | 41.8 | 45.9 | 51.5 | 55.8 | 59.1 | 60.4 | 61.4 | 64.5 | 66.2 |
| NOVEMBER | | | | | | | | | | | | | |
| 0100 | 360 | 27.9 | 30.9 | 32.0 | 34.1 | 38.0 | 45.6 | 52.5 | 55.8 | 57.1 | 58.7 | 60.1 | 60.6 |
| 0400 | 360 | 26.9 | 29.3 | 30.4 | 33.2 | 36.1 | 44.6 | 51.6 | 55.3 | 57.8 | 58.8 | 60.4 | 61.2 |
| 0700 | 360 | 27.4 | 28.8 | 29.8 | 31.6 | 35.2 | 43.7 | 51.2 | 55.0 | 57.2 | 58.9 | 59.4 | 59.5 |
| 1000 | 360 | 35.3 | 36.8 | 38.5 | 41.4 | 44.2 | 51.5 | 56.8 | 60.3 | 62.2 | 63.7 | 65.6 | 65.7 |
| 1300 | 360 | 36.0 | 39.9 | 42.1 | 44.8 | 48.1 | 53.3 | 58.6 | 62.1 | 63.0 | 64.7 | 65.6 | 65.8 |
| 1600 | 360 | 36.8 | 39.9 | 42.9 | 44.8 | 47.6 | 52.9 | 57.1 | 60.2 | 61.6 | 62.9 | 64.0 | 64.1 |
| 1900 | 360 | 31.9 | 33.9 | 36.1 | 38.6 | 42.8 | 49.5 | 54.3 | 57.8 | 58.8 | 60.5 | 61.9 | 62.3 |
| 2200 | 360 | 29.4 | 31.8 | 33.4 | 35.9 | 40.1 | 47.3 | 53.4 | 56.4 | 58.5 | 58.8 | 60.7 | 61.0 |
| DECEMBER | | | | | | | | | | | | | |
| 0100 | 360 | 19.6 | 29.2 | 27.4 | 29.9 | 33.4 | 40.2 | 47.4 | 53.6 | 56.4 | 57.5 | 59.9 | 61.1 |
| 0400 | 360 | 21.9 | 24.9 | 25.6 | 28.2 | 32.0 | 38.6 | 46.6 | 52.1 | 56.4 | 58.1 | 61.0 | 61.8 |
| 0700 | 360 | 20.7 | 24.0 | 25.6 | 27.3 | 31.2 | 37.6 | 45.6 | 52.3 | 56.4 | 58.0 | 60.7 | 62.8 |
| 1000 | 360 | 25.3 | 30.7 | 32.5 | 34.9 | 38.2 | 44.8 | 50.9 | 55.7 | 58.8 | 60.2 | 62.2 | 63.2 |
| 1300 | 360 | 28.6 | 31.9 | 35.8 | 39.0 | 42.6 | 49.4 | 54.5 | 59.9 | 61.2 | 64.2 | 65.0 | 65.1 |
| 1600 | 360 | 27.7 | 31.1 | 35.9 | 38.8 | 42.5 | 48.6 | 53.6 | 57.6 | 59.0 | 60.9 | 64.0 | 64.6 |
| 1900 | 360 | 23.4 | 27.4 | 31.9 | 33.5 | 37.3 | 44.0 | 50.4 | 54.2 | 57.4 | 59.4 | 62.4 | 62.7 |
| 2200 | 360 | 19.8 | 27.4 | 28.3 | 31.3 | 35.0 | 41.3 | 48.5 | 53.6 | 57.0 | 58.5 | 61.0 | 62.1 |

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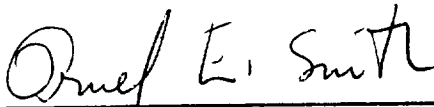
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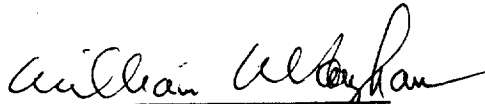
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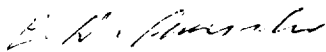
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