NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

*Technical Report No. 32-951*

# *A Digitalized Solar Ultraviolet Spectrum*


*R. T. Brinkmann and A. E. S. Green*

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*Jet Propulsion Laboratory*



GPO PRICE $ _____

CFSTI PRICE(S) $ _____

Hard copy (HC) $3.00

Microfiche (MF) .75

ff 653 July 65

FACILITY FORM 602

N66 34700 (ACCESSION NUMBER)

(THRU)

86 (PAGES)

1 (CODE)

CR-77355 (NASA CR OR TMX OR AD NUMBER)

30 (CATEGORY)



JET PROPULSION LABORATORY

CALIFORNIA INSTITUTE OF TECHNOLOGY

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Prepared Under Contract No. NAS 7-100
National Aeronautics & Space Administration

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## ABSTRACT

The solar ultraviolet spectrum obtained in rocket experiments by the Naval Research Laboratory (NRL) is presented in a digitalized form for use in the analysis of upper atmosphere experiments. The data cover the spectral regions between 2990 and 1760 Å and between 1550 and 880 Å. The procedure is described for converting the NRL graphical data into digital form. Above 2085 Å, readings are given every 0.1 Å; below this wavelength, readings are given every 0.2 Å. Both high-resolution and calculated low-resolution spectra are presented.

## I. INTRODUCTION

The solar ultraviolet spectrum that has been obtained in rocket experiments by the Naval Research Laboratory (NRL) is presented here in a digitalized form. This tabulation is expected to have a variety of uses for analysis of upper atmosphere physics experiments. As a high-resolution spectrum, it will be especially useful for calculating the solar spectrum at various lower resolutions for comparison with other data.

The regions of the solar ultraviolet spectrum that are included lie between 2990 and 1760 Å and between 1550 and 880 Å. The data used were those reported by Malitson, Purcell, Tousey, and Moore (Ref. 1) in 1960 in the wavelength region 2085 to 2635 Å; by Wilson, Tousey, Purcell, Johnson, and Moore (Ref. 2) in 1954 in the wavelength region 2635 to 2990 Å; and by Detwiler, Garrett, Purcell, and Tousey (Ref. 3) in 1961 in the wavelength regions 880 to 1550 Å and 1760 to 2090 Å. The spectra obtained in these flights have been reviewed by Tousey (Ref. 4).

These data were recorded on film by spectrometers that were carried aloft by *Viking* and *Aerobee* rockets to peak altitudes approaching 235 km. After recovery, the film was developed and scanned with a microdensitometer, and the readings were transformed into a series of graphs of intensity vs wavelength by use of an optical-mechanical device (Ref. 5), which effectively corrected for the film's nonlinear characteristics. Where applicable, corrections were also made for the presence of water vapor in the spectrometer.

# II. DATA CONVERSION METHOD

The data have been presented on two kinds of graphs: (1) Those covering the wavelength interval from 2085 to 2990 Å comprised 64 graphs of wavelength vs intensity, with linear measurements (Refs. 1 and 2). Each graph covered a 10- or 20-Å range. (2) The remaining wavelength intervals were covered by five additional graphs having linear wavelength scales but logarithmic intensity scales (Ref. 3); each of these graphs covered approximately 200 Å and were, consequently, of somewhat lower resolution.

The NRL data were put into digitalized form in the following steps:

1. The information in the graphs was put in numerical form, suitable for computation.
2. It was decided that, down to 2085 Å, the resolution was fine enough to permit meaningful readings every 0.1 Å, and that below this wavelength, readings should be given every 0.2 Å. Hence, it was necessary to manipulate the data from step 1 so as to obtain readings at these prescribed intervals.
3. To present these data at lower resolution, the data from step 2 were integrated over larger intervals.

## A. Graphical to Digital Conversion

The first step was accomplished at Jet Propulsion Laboratory by use of an *Oscar*, a mechanical device that is used to transform graphical data into digital form in the following manner: With enlarged copies, the operator first locates two calibration points for each graph. The first calibration point is taken at zero intensity and at the most left-hand scale mark on the wavelength scale; then a foot pedal is depressed, causing an IBM card to be punched with the numbers corresponding to the $x$ (horizontal) and $y$ (vertical) positional data. The second calibration point is taken at the highest scale mark on the intensity scale and most right-hand scale mark on the wavelength scale. Again, a card is punched with the positional information. Then the stylus is returned to the left-hand end of the graph, itself, and the graph is traced by the operator. As this is done, cards are punched with the numbers corresponding to the horizontal and vertical position of the stylus each time the foot pedal is depressed. So is produced a set of punched cards, consisting of two calibration cards and a hundred or more data cards, for each graph. In the subject study, approximately 10,000 cards were punched for the region between 2085 and 2990 Å. In excess of 3,000 were punched for the remaining intervals. However, cards were not punched at evenly spaced intervals.

## B. Conversion to Proper Dimensional Units

The *Oscar units* are dimensionless numbers expressing ratios of lengths. Therefore, a computer program was written and run at the University of Florida that employed the calibration-point data, transformed the dimensionless Oscar data into intensity in $\mu$w cm$^{-2}$ Å$^{-1}$ and converted wavelength to Å. If $x_1$, $y_1$ and $x_2$, $y_2$ are the Oscar coordinates of the first and second calibration points, respectively, and $x_i$, $y_i$ are the Oscar coordinates of an arbitrary point along the graph, then the following expressions may be used for the linearly scaled graphs:

$$\lambda_i = \frac{(x_i - x_1)}{(x_2 - x_1)} R + R' \ , \ I_i = \frac{(y_i - y_1)}{(y_2 - y_1)} S \qquad (1)$$

Here $\lambda_i$ and $I_i$ are, respectively, the wavelength and intensity in the proper units; $R$ is the distance in angstroms between the two calibration points; $S$ is the number of $\mu$w cm$^{-2}$ Å$^{-1}$ between the calibration points; and $R'$ is the wavelength at the first calibration point.

The data in the regions 880 to 1550 Å and 1760 to 2100 Å were available on semilog plots. For these graphs, the equation relating intensity to Oscar vertical coordinates is

$$I_i = 10^{\{[(y_i - y_1)/(y_2 - y_1)]T\}} \frac{10\,T'}{10}$$

$$= 10^{\{[(y_i - y_1)/(y_2 - y_1)]\ T + T' - 1\}} \qquad (2)$$

where $T$ is the common logarithm of the ratio of the second calibration intensity to the first, and $10^{T'}$ is the intensity value at the origin of the graph. The additional factor of $10^{-1}$ results in changing from erg sec$^{-1}$ to $\mu$w.

## C. Erratic Oscar Reading Corrections

In analyzing the semilog graphs, it was necessary in the program to incorporate a precaution against erratic Oscar readings. Because of the nature of the parabolas being fitted and the sensitive nature of the logarithmic

scale, it was necessary that the data readings from the Oscar be fairly evenly spaced. If two readings were either very close together or quite far apart, there was a possibility that the resulting parabolas would yield unreasonable interpolated values. Consequently, corrections were made for both of these conditions. If the former situation occurred, the two points were replaced by a single point whose coordinates were the averages of the coordinates of the two points. To correct the latter case, additional data points were generated between the two points—evenly spaced in the wavelength coordinate—and a linear, rather than a parabolic, interpolation was used. Instances of the original data points being too widely separated were rare; however, the reverse situation occurred fairly often.

### D. Curve Fitting Routine

Since the Oscar readings were not evenly spaced, the program next employed a quadratic curve-fitting routine to interpolate these data to every 0.1 or 0.2 Å. This process amounted to passing a parabola through each series of three successive data points (excluding the calibration points themselves) and evaluating the quadratic function at appropriate integral multiples of 0.1 or 0.2 Å. After all the intermediate points were determined, a new parabola was constructed in the same manner, using the second and third points of the parabola just described together with the next new data point to the right (in order of increasing wavelength). The process was continued until the end of the graph was reached. The first few points on a graph usually required special treatment and it was sometimes necessary to extrapolate the first parabola to obtain these values.

Several irregularities were encountered in examining the computed results and the graphs. In all such cases, minor mistakes in the Oscar readings were found to be the cause, and, therefore, appropriate corrections could be made.

## III. RESULTING DIGITAL SOLAR ULTRAVIOLET SPECTRUM

The results in $\mu$w cm$^{-2}$ Å$^{-1}$ were then expressed in photons cm$^{-2}$ sec$^{-1}$ Å$^{-1}$ by dividing the energy in $\mu$w by the energy/(photon/sec), in $\mu$w sec, at each wavelength. We use the equation

$$E_p = \frac{hc}{\lambda}$$

which relates the energy of a photon to Planck's constant, $h$, the speed of light in a vacuum, $c$, and the wavelength of the photon, $\lambda$. As these values were calculated on the computer, they were punched out on tab cards and listed in tabular form. They are presented in Tables 1 through 3.

## IV. LOWER RESOLUTION SPECTRA

The major stimulus for obtaining a high resolution digital form of the solar spectrum is to make it possible to calculate the solar spectrum at various lower resolutions for comparison with other data. For this purpose, the first set of cards was used as input to a second program.

The second program, which had as its input the solar spectrum at 0.1- and 0.2-Å intervals, integrated the function represented by these values over 1-, 10-, and 50-Å intervals. The integration was done by application of Simpson's rule. Although the line shapes would have been modified somewhat by the inclusion in the analysis of a slit function, the integrated values, generally, would not show much difference.

The integrated values of the solar spectrum are listed in Tables 4 through 10. The data contained in these tables are also available in punched card format.[1]

[1]Technical Information and Documentation Division, Jet Propulsion Laboratory, Pasadena, California.

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5. Purcell, J. D., *Journal of the Optical Society of America*, Vol. 44, 1954, p. 679.

**Table 1. Solar spectrum at 0.2-Å intervals in the region 880 to 1550 Å**

| Wavelength, Å | Intensity,[a] photons/cm² sec Å | | | | |
|---|---|---|---|---|---|
| | +0.0 Å | +0.2 Å | +0.4 Å | +0.6 Å | +0.8 Å |
| 880. | 0.860 | 0.968 | 1.057 | 1.127 | 1.177 |
| 1. | 1.178 | 1.178 | 1.219 | 1.199 | 1.181 |
| 2. | 1.173 | 1.199 | 1.231 | 1.261 | 1.284 |
| 3. | 1.308 | 1.342 | 1.390 | 1.453 | 1.479 |
| 4. | 1.479 | 1.476 | 1.468 | 1.405 | 1.323 |
| 5. | 1.274 | 1.256 | 1.283 | 1.300 | 1.304 |
| 6. | 1.279 | 1.262 | 1.262 | 1.334 | 1.368 |
| 7. | 1.383 | 1.401 | 1.428 | 1.481 | 1.529 |
| 8. | 1.572 | 1.624 | 1.686 | 1.763 | 1.809 |
| 9. | 1.820 | 1.826 | 1.826 | 1.833 | 1.834 |
| 890. | 1.828 | 1.801 | 1.760 | 1.712 | 1.680 |
| 1. | 1.725 | 1.772 | 1.800 | 1.812 | 1.809 |
| 2. | 1.808 | 1.811 | 1.812 | 1.808 | 1.794 |
| 3. | 1.798 | 1.828 | 1.842 | 1.851 | 1.859 |
| 4. | 1.896 | 1.998 | 2.067 | 2.094 | 2.099 |
| 5. | 2.089 | 2.053 | 1.995 | 1.927 | 1.868 |
| 6. | 1.844 | 1.829 | 1.824 | 1.732 | 1.626 |
| 7. | 1.654 | 1.673 | 1.722 | 1.836 | 1.938 |
| 8. | 2.036 | 2.088 | 2.073 | 2.055 | 2.031 |
| 9. | 2.018 | 2.021 | 2.046 | 2.062 | 2.069 |
| 900. | 2.054 | 2.034 | 2.019 | 2.003 | 1.990 |
| 1. | 1.987 | 1.990 | 1.997 | 2.014 | 2.044 |
| 2. | 2.084 | 2.123 | 2.132 | 2.135 | 2.137 |
| 3. | 2.156 | 2.203 | 2.367 | 2.603 | 2.628 |
| 4. | 2.549 | 2.476 | 2.383 | 2.313 | 2.285 |
| 5. | 2.317 | 2.323 | 2.323 | 2.317 | 2.307 |
| 6. | 2.296 | 2.302 | 2.318 | 2.330 | 2.326 |
| 7. | 2.299 | 2.282 | 2.295 | 2.374 | 2.423 |
| 8. | 2.440 | 2.461 | 2.605 | 2.675 | 2.660 |
| 9. | 2.662 | 2.661 | 2.666 | 2.660 | 2.645 |
| 910. | 2.633 | 2.622 | 2.656 | 2.719 | 2.779 |
| 1. | 2.843 | 2.906 | 2.975 | 3.048 | 3.073 |
| 2. | 2.977 | 2.077 | 1.440 | 1.596 | 1.609 |
| 3. | 1.669 | 1.801 | 1.963 | 2.137 | 2.297 |
| 4. | 2.418 | 2.468 | 2.464 | 2.476 | 2.514 |
| 5. | 2.604 | 2.637 | 2.612 | 2.487 | 2.327 |
| 6. | 2.133 | 2.052 | 1.945 | 1.920 | 1.879 |
| 7. | 1.736 | 1.659 | 1.703 | 1.735 | 1.740 |
| 8. | 1.668 | 1.568 | 1.437 | 1.527 | 1.783 |
| 9. | 1.883 | 1.858 | 1.720 | 1.490 | 1.218 |

[a]These values should be multiplied by $10^8$

**Table 1. (Cont'd)**

| Wavelength, Å | Intensity,[a] photons/cm² sec Å | | | | |
|---|---|---|---|---|---|
| | +0.0 Å | +0.2 Å | +0.4 Å | +0.6 Å | +0.8 Å |
| 920. | 0.972 | 1.055 | 1.214 | 1.354 | 1.415 |
| 1. | 1.372 | 1.294 | 1.194 | 1.176 | 1.186 |
| 2. | 1.198 | 1.239 | 1.316 | 1.467 | 1.667 |
| 3. | 1.897 | 1.946 | 1.794 | 1.435 | 1.078 |
| 4. | 1.001 | 0.982 | 0.979 | 0.972 | 1.000 |
| 5. | 1.050 | 1.119 | 1.332 | 1.634 | 1.935 |
| 6. | 2.082 | 1.955 | 1.771 | 1.519 | 1.272 |
| 7. | 1.079 | 0.989 | 0.951 | 0.956 | 0.946 |
| 8. | 0.940 | 0.938 | 0.934 | 0.936 | 0.946 |
| 9. | 0.955 | 0.967 | 0.983 | 1.007 | 1.040 |
| 930. | 1.096 | 1.442 | 2.344 | 2.635 | 2.481 |
| 1. | 2.443 | 2.179 | 1.491 | 1.092 | 0.951 |
| 2. | 0.897 | 0.929 | 1.124 | 1.492 | 1.933 |
| 3. | 2.327 | 2.330 | 2.151 | 1.831 | 1.393 |
| 4. | 0.970 | 0.928 | 0.947 | 0.942 | 0.934 |
| 5. | 0.929 | 0.930 | 0.933 | 0.939 | 0.947 |
| 6. | 0.959 | 0.979 | 1.005 | 1.036 | 1.178 |
| 7. | 1.587 | 2.787 | 3.494 | 3.351 | 3.224 |
| 8. | 2.763 | 1.944 | 1.490 | 1.198 | 1.029 |
| 9. | 0.957 | 0.963 | 0.952 | 0.947 | 0.939 |
| 940. | 0.932 | 0.926 | 0.923 | 0.923 | 0.918 |
| 1. | 0.915 | 0.915 | 0.914 | 0.913 | 0.913 |
| 2. | 0.915 | 0.921 | 0.934 | 0.949 | 0.955 |
| 3. | 0.962 | 0.974 | 0.981 | 0.986 | 0.992 |
| 4. | 1.001 | 1.037 | 1.213 | 1.406 | 1.533 |
| 5. | 1.541 | 1.450 | 1.341 | 1.213 | 1.089 |
| 6. | 1.016 | 0.986 | 0.973 | 0.962 | 0.930 |
| 7. | 0.914 | 0.913 | 0.917 | 0.924 | 0.932 |
| 8. | 0.939 | 0.946 | 0.962 | 0.982 | 1.005 |
| 9. | 1.123 | 1.575 | 3.836 | 5.846 | 5.648 |
| 950. | 5.295 | 4.757 | 3.543 | 2.325 | 1.811 |
| 1. | 1.460 | 1.244 | 1.066 | 0.955 | 0.895 |
| 2. | 0.865 | 0.845 | 0.833 | 0.827 | 0.820 |
| 3. | 0.817 | 0.823 | 0.832 | 0.842 | 0.851 |
| 4. | 0.857 | 0.856 | 0.849 | 0.837 | 0.823 |
| 5. | 0.810 | 0.801 | 0.794 | 0.789 | 0.784 |
| 6. | 0.778 | 0.772 | 0.769 | 0.768 | 0.770 |
| 7. | 0.771 | 0.771 | 0.772 | 0.776 | 0.787 |
| 8. | 0.805 | 0.832 | 0.840 | 0.847 | 0.850 |
| 9. | 0.843 | 0.833 | 0.821 | 0.803 | 0.797 |

[a]These values should be multiplied by $10^5$

**Table 1. (Cont'd)**

| Wavelength, Å | Intensity,[a] photons/cm² sec Å | | | | |
|---|---|---|---|---|---|
| | +0.0 Å | +0.2 Å | +0.4 Å | +0.6 Å | +0.8 Å |
| 960. | 0.776 | 0.773 | 0.775 | 0.772 | 0.768 |
| 1. | 0.764 | 0.759 | 0.754 | 0.752 | 0.752 |
| 2. | 0.751 | 0.750 | 0.749 | 0.745 | 0.741 |
| 3. | 0.741 | 0.742 | 0.742 | 0.741 | 0.740 |
| 4. | 0.741 | 0.744 | 0.750 | 0.757 | 0.761 |
| 5. | 0.756 | 0.752 | 0.748 | 0.746 | 0.744 |
| 6. | 0.739 | 0.737 | 0.739 | 0.739 | 0.739 |
| 7. | 0.739 | 0.739 | 0.740 | 0.742 | 0.744 |
| 8. | 0.744 | 0.745 | 0.746 | 0.747 | 0.746 |
| 9. | 0.747 | 0.747 | 0.749 | 0.753 | 0.759 |
| 970. | 0.769 | 0.779 | 0.788 | 0.802 | 0.833 |
| 1. | 0.919 | 1.037 | 1.180 | 1.258 | 1.290 |
| 2. | 1.277 | 1.221 | 1.120 | 1.029 | 0.963 |
| 3. | 0.909 | 0.866 | 0.825 | 0.799 | 0.790 |
| 4. | 0.780 | 0.773 | 0.766 | 0.765 | 0.769 |
| 5. | 0.777 | 0.799 | 0.861 | 0.896 | 0.905 |
| 6. | 1.545 | 3.815 | 10.478 | 19.107 | 28.146 |
| 7. | 29.092 | 24.140 | 13.205 | 6.963 | 4.086 |
| 8. | 2.451 | 1.722 | 1.130 | 0.903 | 0.969 |
| 9. | 0.929 | 0.899 | 0.869 | 0.849 | 0.837 |
| 980. | 0.827 | 0.818 | 0.809 | 0.805 | 0.805 |
| 1. | 0.810 | 0.817 | 0.823 | 0.828 | 0.830 |
| 2. | 0.821 | 0.805 | 0.782 | 0.763 | 0.747 |
| 3. | 0.740 | 0.753 | 0.800 | 0.853 | 0.913 |
| 4. | 0.986 | 1.064 | 1.075 | 1.045 | 1.000 |
| 5. | 0.939 | 0.885 | 0.829 | 0.773 | 0.752 |
| 6. | 0.753 | 0.770 | 0.776 | 0.754 | 0.738 |
| 7. | 0.725 | 0.721 | 0.714 | 0.695 | 0.676 |
| 8. | 0.681 | 0.790 | 1.047 | 1.497 | 1.591 |
| 9. | 1.517 | 1.505 | 1.587 | 1.830 | 2.007 |
| 990. | 2.148 | 2.106 | 1.902 | 1.513 | 1.354 |
| 1. | 1.343 | 1.450 | 1.979 | 3.142 | 3.978 |
| 2. | 3.734 | 3.093 | 2.379 | 1.872 | 1.785 |
| 3. | 1.752 | 1.646 | 1.204 | 0.812 | 0.766 |
| 4. | 0.754 | 0.787 | 0.802 | 0.821 | 0.832 |
| 5. | 0.839 | 0.839 | 0.827 | 0.807 | 0.779 |
| 6. | 0.756 | 0.736 | 0.726 | 0.728 | 0.760 |
| 7. | 0.800 | 0.837 | 0.911 | 0.988 | 0.987 |
| 8. | 0.956 | 0.907 | 0.856 | 0.802 | 0.803 |
| 9. | 0.839 | 0.911 | 0.981 | 1.011 | 0.992 |

[a]These values should be multiplied by $10^8$

**Table 1. (Cont'd)**

| Wavelength, Å | Intensity,[a] photons/cm² sec Å | | | | |
|---|---|---|---|---|---|
| | +0.0 Å | +0.2 Å | +0.4 Å | +0.6 Å | +0.8 Å |
| 1000. | 0.936 | 0.899 | 0.865 | 0.837 | 0.811 |
| 1. | 0.788 | 0.777 | 0.774 | 0.775 | 0.739 |
| 2. | 0.666 | 0.634 | 0.647 | 0.665 | 0.680 |
| 3. | 0.693 | 0.702 | 0.702 | 0.699 | 0.697 |
| 4. | 0.690 | 0.683 | 0.684 | 0.683 | 0.678 |
| 5. | 0.683 | 0.697 | 0.727 | 0.780 | 0.863 |
| 6. | 0.887 | 0.879 | 0.850 | 0.804 | 0.746 |
| 7. | 0.708 | 0.678 | 0.647 | 0.624 | 0.615 |
| 8. | 0.619 | 0.639 | 0.685 | 0.730 | 0.733 |
| 9. | 0.729 | 0.724 | 0.723 | 0.732 | 0.768 |
| 1010. | 0.932 | 1.252 | 1.448 | 1.419 | 1.307 |
| 1. | 1.156 | 1.036 | 0.937 | 0.854 | 0.816 |
| 2. | 0.850 | 0.874 | 0.891 | 0.891 | 0.878 |
| 3. | 0.852 | 0.817 | 0.774 | 0.736 | 0.693 |
| 4. | 0.636 | 0.606 | 0.602 | 0.602 | 0.614 |
| 5. | 0.662 | 0.717 | 0.745 | 0.772 | 0.801 |
| 6. | 0.834 | 0.871 | 0.881 | 0.867 | 0.850 |
| 7. | 0.823 | 0.840 | 0.888 | 0.934 | 0.977 |
| 8. | 1.005 | 1.006 | 0.982 | 0.944 | 0.885 |
| 9. | 0.797 | 0.750 | 0.743 | 0.731 | 0.725 |
| 1020. | 0.733 | 0.748 | 0.756 | 0.757 | 0.759 |
| 1. | 0.786 | 0.849 | 0.961 | 1.023 | 1.041 |
| 2. | 0.981 | 0.899 | 0.804 | 0.773 | 0.777 |
| 3. | 0.769 | 0.769 | 0.783 | 0.824 | 0.893 |
| 4. | 0.998 | 1.145 | 1.356 | 1.688 | 2.726 |
| 5. | 5.366 | 14.884 | 27.871 | 29.472 | 28.447 |
| 6. | 27.611 | 23.141 | 16.399 | 8.399 | 3.051 |
| 7. | 2.546 | 1.942 | 1.781 | 1.700 | 1.576 |
| 8. | 1.404 | 1.228 | 1.043 | 0.854 | 0.725 |
| 9. | 0.696 | 0.660 | 0.634 | 0.611 | 0.594 |
| 1030. | 0.582 | 0.590 | 0.612 | 0.644 | 0.723 |
| 1. | 0.880 | 1.107 | 1.497 | 2.410 | 6.957 |
| 2. | 12.791 | 11.696 | 8.468 | 4.504 | 2.531 |
| 3. | 1.486 | 1.031 | 0.861 | 0.762 | 0.689 |
| 4. | 0.655 | 0.606 | 0.598 | 0.610 | 0.616 |
| 5. | 0.612 | 0.606 | 0.604 | 0.711 | 1.032 |
| 6. | 1.905 | 2.975 | 4.118 | 4.690 | 4.942 |
| 7. | 5.053 | 5.857 | 7.746 | 8.096 | 7.808 |
| 8. | 7.663 | 5.888 | 1.768 | 0.696 | 0.880 |
| 9. | 0.839 | 0.859 | 0.826 | 0.798 | 0.766 |

[a]These values should be multiplied by $10^8$

**Table 1. (Cont'd)**

| Wavelength, Å | Intensity,[a] photons/cm² sec Å | | | | |
|---|---|---|---|---|---|
| | +0.0 Å | +0.2 Å | +0.4 Å | +0.6 Å | +0.8 Å |
| 1040. | 0.704 | 0.638 | 0.579 | 0.581 | 0.629 |
| 1. | 0.718 | 0.783 | 0.786 | 0.764 | 0.733 |
| 2. | 0.687 | 0.629 | 0.576 | 0.533 | 0.510 |
| 3. | 0.499 | 0.489 | 0.483 | 0.480 | 0.478 |
| 4. | 0.479 | 0.482 | 0.490 | 0.502 | 0.519 |
| 5. | 0.534 | 0.542 | 0.554 | 0.566 | 0.574 |
| 6. | 0.576 | 0.573 | 0.569 | 0.563 | 0.557 |
| 7. | 0.551 | 0.550 | 0.552 | 0.557 | 0.561 |
| 8. | 0.570 | 0.585 | 0.598 | 0.609 | 0.617 |
| 9. | 0.622 | 0.623 | 0.622 | 0.620 | 0.613 |
| 1050. | 0.602 | 0.583 | 0.567 | 0.552 | 0.539 |
| 1. | 0.529 | 0.524 | 0.518 | 0.513 | 0.509 |
| 2. | 0.505 | 0.499 | 0.494 | 0.491 | 0.491 |
| 3. | 0.491 | 0.490 | 0.488 | 0.485 | 0.483 |
| 4. | 0.482 | 0.481 | 0.479 | 0.478 | 0.476 |
| 5. | 0.474 | 0.475 | 0.474 | 0.473 | 0.471 |
| 6. | 0.470 | 0.469 | 0.468 | 0.467 | 0.467 |
| 7. | 0.467 | 0.467 | 0.467 | 0.467 | 0.465 |
| 8. | 0.463 | 0.464 | 0.464 | 0.464 | 0.464 |
| 9. | 0.464 | 0.464 | 0.464 | 0.465 | 0.466 |
| 1060. | 0.469 | 0.473 | 0.477 | 0.480 | 0.481 |
| 1. | 0.477 | 0.463 | 0.451 | 0.441 | 0.446 |
| 2. | 0.482 | 0.573 | 0.638 | 0.673 | 0.684 |
| 3. | 0.668 | 0.636 | 0.595 | 0.559 | 0.534 |
| 4. | 0.521 | 0.510 | 0.504 | 0.503 | 0.504 |
| 5. | 0.505 | 0.510 | 0.520 | 0.541 | 0.566 |
| 6. | 0.594 | 0.616 | 0.635 | 0.648 | 0.632 |
| 7. | 0.590 | 0.520 | 0.485 | 0.491 | 0.486 |
| 8. | 0.482 | 0.479 | 0.476 | 0.473 | 0.468 |
| 9. | 0.464 | 0.464 | 0.462 | 0.458 | 0.455 |
| 1070. | 0.453 | 0.453 | 0.453 | 0.451 | 0.452 |
| 1. | 0.455 | 0.458 | 0.464 | 0.473 | 0.477 |
| 2. | 0.478 | 0.478 | 0.554 | 0.714 | 0.751 |
| 3. | 0.741 | 0.728 | 0.669 | 0.562 | 0.513 |
| 4. | 0.483 | 0.450 | 0.421 | 0.398 | 0.391 |
| 5. | 0.394 | 0.397 | 0.403 | 0.409 | 0.412 |
| 6. | 0.415 | 0.423 | 0.429 | 0.432 | 0.436 |
| 7. | 0.437 | 0.430 | 0.417 | 0.396 | 0.382 |
| 8. | 0.371 | 0.365 | 0.365 | 0.371 | 0.376 |
| 9. | 0.378 | 0.382 | 0.386 | 0.390 | 0.393 |

[a]These values should be multiplied by $10^8$

**Table 1. (Cont'd)**

| Wavelength, Å | Intensity,[a] photons/cm² sec Å | | | | |
|---|---|---|---|---|---|
| | +0.0 Å | +0.2 Å | +0.4 Å | +0.6 Å | +0.8 Å |
| 1080. | 0.398 | 0.405 | 0.410 | 0.416 | 0.419 |
| 1. | 0.422 | 0.427 | 0.422 | 0.411 | 0.400 |
| 2. | 0.390 | 0.382 | 0.384 | 0.396 | 0.413 |
| 3. | 0.434 | 0.459 | 0.532 | 0.699 | 1.231 |
| 4. | 1.734 | 1.850 | 1.913 | 1.935 | 1.973 |
| 5. | 1.988 | 1.960 | 1.787 | 1.487 | 1.190 |
| 6. | 0.866 | 0.521 | 0.353 | 0.368 | 0.421 |
| 7. | 0.416 | 0.417 | 0.421 | 0.427 | 0.430 |
| 8. | 0.422 | 0.414 | 0.411 | 0.416 | 0.426 |
| 9. | 0.433 | 0.436 | 0.431 | 0.427 | 0.427 |
| 1090. | 0.444 | 0.459 | 0.462 | 0.450 | 0.424 |
| 1. | 0.424 | 0.436 | 0.442 | 0.449 | 0.452 |
| 2. | 0.453 | 0.451 | 0.457 | 0.472 | 0.487 |
| 3. | 0.490 | 0.488 | 0.484 | 0.480 | 0.473 |
| 4. | 0.467 | 0.479 | 0.490 | 0.489 | 0.483 |
| 5. | 0.477 | 0.469 | 0.468 | 0.470 | 0.479 |
| 6. | 0.486 | 0.492 | 0.503 | 0.514 | 0.524 |
| 7. | 0.531 | 0.535 | 0.539 | 0.543 | 0.549 |
| 8. | 0.550 | 0.547 | 0.541 | 0.534 | 0.525 |
| 9. | 0.521 | 0.518 | 0.514 | 0.511 | 0.508 |
| 1100. | 0.524 | 0.524 | 0.526 | 0.530 | 0.534 |
| 1. | 0.536 | 0.538 | 0.539 | 0.540 | 0.540 |
| 2. | 0.540 | 0.543 | 0.546 | 0.544 | 0.543 |
| 3. | 0.544 | 0.545 | 0.546 | 0.547 | 0.549 |
| 4. | 0.550 | 0.551 | 0.552 | 0.553 | 0.555 |
| 5. | 0.556 | 0.557 | 0.559 | 0.561 | 0.563 |
| 6. | 0.566 | 0.573 | 0.578 | 0.580 | 0.580 |
| 7. | 0.580 | 0.578 | 0.574 | 0.569 | 0.566 |
| 8. | 0.569 | 0.590 | 0.624 | 0.639 | 0.628 |
| 9. | 0.612 | 0.607 | 0.627 | 0.675 | 0.745 |
| 1110. | 0.828 | 0.833 | 0.821 | 0.802 | 0.751 |
| 1. | 0.674 | 0.629 | 0.632 | 0.636 | 0.637 |
| 2. | 0.672 | 0.728 | 0.749 | 0.754 | 0.757 |
| 3. | 0.756 | 0.866 | 0.999 | 1.053 | 1.066 |
| 4. | 1.051 | 0.967 | 0.792 | 0.770 | 0.792 |
| 5. | 0.792 | 0.784 | 0.708 | 0.606 | 0.487 |
| 6. | 0.460 | 0.466 | 0.461 | 0.462 | 0.469 |
| 7. | 0.484 | 0.507 | 0.539 | 0.627 | 0.746 |
| 8. | 0.786 | 0.792 | 0.783 | 0.775 | 0.755 |
| 9. | 0.719 | 0.671 | 0.612 | 0.563 | 0.524 |

[a]These values should be multiplied by $10^5$

**Table 1. (Cont'd)**

| Wavelength, Å | Intensity,[a] photons/cm² sec Å | | | | |
|---|---|---|---|---|---|
| | +0.0 Å | +0.2 Å | +0.4 Å | +0.6 Å | +0.8 Å |
| 1120. | 0.501 | 0.485 | 0.474 | 0.470 | 0.470 |
| 1. | 0.472 | 0.477 | 0.488 | 0.514 | 0.551 |
| 2. | 0.602 | 0.768 | 1.125 | 1.303 | 1.346 |
| 3. | 1.357 | 1.347 | 1.304 | 1.213 | 1.026 |
| 4. | 0.703 | 0.533 | 0.491 | 0.488 | 0.638 |
| 5. | 0.908 | 0.936 | 0.876 | 0.876 | 0.792 |
| 6. | 0.584 | 0.545 | 0.566 | 0.588 | 0.605 |
| 7. | 0.619 | 0.609 | 0.583 | 0.549 | 0.524 |
| 8. | 0.527 | 0.541 | 0.577 | 0.641 | 0.743 |
| 9. | 0.871 | 0.981 | 1.065 | 1.055 | 0.993 |
| 1130. | 0.888 | 0.739 | 0.625 | 0.650 | 0.666 |
| 1. | 0.667 | 0.657 | 0.635 | 0.607 | 0.588 |
| 2. | 0.573 | 0.571 | 0.574 | 0.552 | 0.521 |
| 3. | 0.488 | 0.497 | 0.533 | 0.595 | 0.688 |
| 4. | 0.811 | 0.874 | 0.907 | 0.915 | 0.911 |
| 5. | 0.899 | 0.890 | 0.876 | 0.798 | 0.695 |
| 6. | 0.606 | 0.535 | 0.496 | 0.482 | 0.493 |
| 7. | 0.521 | 0.543 | 0.540 | 0.536 | 0.536 |
| 8. | 0.538 | 0.608 | 0.750 | 0.916 | 1.074 |
| 9. | 1.137 | 1.186 | 1.242 | 1.279 | 1.303 |
| 1140. | 1.324 | 1.338 | 1.345 | 1.334 | 1.271 |
| 1. | 1.112 | 0.916 | 0.697 | 0.644 | 0.636 |
| 2. | 0.639 | 0.653 | 0.682 | 0.706 | 0.726 |
| 3. | 0.735 | 0.729 | 0.716 | 0.698 | 0.686 |
| 4. | 0.672 | 0.649 | 0.632 | 0.624 | 0.621 |
| 5. | 0.625 | 0.638 | 0.652 | 0.662 | 0.666 |
| 6. | 0.651 | 0.630 | 0.605 | 0.596 | 0.598 |
| 7. | 0.602 | 0.614 | 0.636 | 0.644 | 0.633 |
| 8. | 0.623 | 0.615 | 0.625 | 0.634 | 0.639 |
| 9. | 0.631 | 0.617 | 0.605 | 0.597 | 0.593 |
| 1150. | 0.594 | 0.597 | 0.605 | 0.618 | 0.645 |
| 1. | 0.676 | 0.681 | 0.681 | 0.684 | 0.736 |
| 2. | 0.838 | 0.954 | 1.104 | 1.300 | 1.312 |
| 3. | 1.283 | 1.169 | 0.948 | 0.728 | 0.601 |
| 4. | 0.651 | 0.658 | 0.662 | 0.661 | 0.656 |
| 5. | 0.656 | 0.661 | 0.695 | 0.741 | 0.789 |
| 6. | 0.879 | 1.007 | 1.094 | 1.140 | 1.192 |
| 7. | 1.189 | 1.143 | 1.053 | 0.975 | 0.985 |
| 8. | 1.041 | 1.135 | 1.240 | 1.325 | 1.351 |
| 9. | 1.354 | 1.344 | 1.230 | 1.056 | 0.889 |

[a]These values should be multiplied by $10^8$

**Table 1. (Cont'd)**

| Wavelength, Å | Intensity,[a] photons/cm² sec Å | | | | |
|---|---|---|---|---|---|
| | +0.0 Å | +0.2 Å | +0.4 Å | +0.6 Å | +0.8 Å |
| 1160. | 0.769 | 0.755 | 0.752 | 0.755 | 0.762 |
| 1. | 0.786 | 0.828 | 0.871 | 0.935 | 1.054 |
| 2. | 1.094 | 1.081 | 1.060 | 0.971 | 0.842 |
| 3. | 0.802 | 0.784 | 0.784 | 0.782 | 0.780 |
| 4. | 0.787 | 0.820 | 0.912 | 0.943 | 0.931 |
| 5. | 0.930 | 0.922 | 0.906 | 0.891 | 0.891 |
| 6. | 0.901 | 0.922 | 0.961 | 0.999 | 1.029 |
| 7. | 1.074 | 1.130 | 1.199 | 1.242 | 1.262 |
| 8. | 1.262 | 1.191 | 0.984 | 0.894 | 0.938 |
| 9. | 0.940 | 0.943 | 0.942 | 0.940 | 0.940 |
| 1170. | 0.945 | 0.959 | 0.995 | 1.059 | 1.129 |
| 1. | 1.172 | 1.164 | 1.164 | 1.158 | 1.144 |
| 2. | 1.103 | 1.016 | 0.977 | 0.990 | 1.003 |
| 3. | 1.025 | 1.053 | 1.056 | 1.035 | 1.012 |
| 4. | 0.988 | 0.975 | 0.968 | 0.967 | 0.971 |
| 5. | 0.982 | 1.166 | 1.544 | 2.043 | 2.657 |
| 6. | 3.331 | 4.382 | 6.090 | 6.781 | 6.491 |
| 7. | 6.457 | 6.093 | 4.773 | 3.316 | 2.059 |
| 8. | 1.231 | 0.810 | 0.851 | 0.960 | 0.965 |
| 9. | 0.966 | 0.963 | 0.960 | 0.954 | 0.943 |
| 1180. | 0.930 | 0.919 | 0.910 | 0.903 | 0.893 |
| 1. | 0.885 | 0.880 | 0.880 | 0.887 | 0.909 |
| 2. | 0.939 | 0.951 | 0.953 | 0.947 | 0.939 |
| 3. | 0.932 | 0.925 | 0.925 | 0.937 | 0.967 |
| 4. | 1.015 | 1.049 | 1.074 | 1.083 | 1.083 |
| 5. | 1.079 | 1.054 | 1.012 | 0.997 | 0.993 |
| 6. | 0.998 | 1.007 | 1.017 | 1.023 | 1.028 |
| 7. | 1.038 | 1.048 | 1.058 | 1.068 | 1.080 |
| 8. | 1.088 | 1.094 | 1.104 | 1.117 | 1.135 |
| 9. | 1.150 | 1.162 | 1.184 | 1.227 | 1.325 |
| 1190. | 1.414 | 1.458 | 1.449 | 1.501 | 1.683 |
| 1. | 1.869 | 2.047 | 2.073 | 1.884 | 1.590 |
| 2. | 1.343 | 1.223 | 1.221 | 1.196 | 1.185 |
| 3. | 1.194 | 1.220 | 1.260 | 1.307 | 1.397 |
| 4. | 1.706 | 2.010 | 2.071 | 2.077 | 2.055 |
| 5. | 2.148 | 2.280 | 2.335 | 2.336 | 2.267 |
| 6. | 2.043 | 1.687 | 1.530 | 1.465 | 1.399 |
| 7. | 1.365 | 1.382 | 1.449 | 1.558 | 1.692 |
| 8. | 1.804 | 1.883 | 1.910 | 1.894 | 1.830 |
| 9. | 1.681 | 1.477 | 1.481 | 1.593 | 1.708 |

[a]These values should be multiplied by $10^8$

**Table 1. (Cont'd)**

| Wavelength, Å | Intensity,[a] photons/cm² sec Å | | | | |
|---|---|---|---|---|---|
| | +0.0 Å | +0.2 Å | +0.4 Å | +0.6 Å | +0.8 Å |
| 1200. | 1.857 | 2.012 | 2.187 | 2.388 | 2.496 |
| 1. | 2.442 | 2.436 | 2.455 | 2.385 | 2.257 |
| 2. | 2.082 | 1.891 | 1.803 | 1.751 | 1.708 |
| 3. | 1.678 | 1.658 | 1.646 | 1.642 | 1.646 |
| 4. | 1.658 | 1.686 | 1.731 | 1.802 | 1.904 |
| 5. | 2.045 | 2.166 | 2.229 | 2.236 | 2.196 |
| 6. | 2.165 | 2.178 | 2.328 | 2.578 | 2.924 |
| 7. | 7.316 | 13.839 | 17.680 | 20.163 | 19.939 |
| 8. | 17.534 | 14.340 | 10.114 | 5.600 | 2.183 |
| 9. | 2.413 | 2.880 | 2.865 | 2.954 | 3.073 |
| 1210. | 3.035 | 2.982 | 2.992 | 3.100 | 3.302 |
| 1. | 3.487 | 3.680 | 3.875 | 4.081 | 4.304 |
| 2. | 4.600 | 4.948 | 5.254 | 5.555 | 5.865 |
| 3. | 6.238 | 6.693 | 7.139 | 7.605 | 8.128 |
| 4. | 8.839 | 9.893 | 10.792 | 11.547 | 13.034 |
| 5. | 15.002 | 17.405 | 20.880 | 25.844 | 40.736 |
| 6. | 61.404 | 63.436 | 69.504 | 105.844 | 136.132 |
| 7. | 150.841 | 140.641 | 112.396 | 73.713 | 51.617 |
| 8. | 49.466 | 44.708 | 35.269 | 30.022 | 26.502 |
| 9. | 22.690 | 19.382 | 16.634 | 14.435 | 12.733 |
| 1220. | 11.143 | 9.832 | 8.884 | 8.143 | 7.560 |
| 1. | 7.094 | 6.684 | 6.334 | 5.981 | 5.650 |
| 2. | 5.336 | 5.076 | 4.855 | 4.615 | 4.387 |
| 3. | 4.188 | 4.028 | 3.909 | 3.764 | 3.621 |
| 4. | 3.517 | 3.417 | 3.318 | 3.202 | 3.091 |
| 5. | 3.001 | 2.919 | 2.844 | 2.786 | 2.733 |
| 6. | 2.665 | 2.598 | 2.542 | 2.486 | 2.432 |
| 7. | 2.390 | 2.350 | 2.297 | 2.251 | 2.217 |
| 8. | 2.184 | 2.152 | 2.117 | 2.082 | 2.048 |
| 9. | 2.014 | 1.982 | 1.954 | 1.929 | 1.904 |
| 1230. | 1.880 | 1.858 | 1.840 | 1.823 | 1.795 |
| 1. | 1.766 | 1.748 | 1.732 | 1.714 | 1.700 |
| 2. | 1.687 | 1.667 | 1.648 | 1.632 | 1.615 |
| 3. | 1.601 | 1.593 | 1.584 | 1.569 | 1.555 |
| 4. | 1.544 | 1.531 | 1.517 | 1.508 | 1.499 |
| 5. | 1.485 | 1.475 | 1.470 | 1.460 | 1.449 |
| 6. | 1.444 | 1.441 | 1.434 | 1.427 | 1.418 |
| 7. | 1.413 | 1.411 | 1.411 | 1.422 | 1.452 |
| 8. | 1.523 | 1.682 | 2.383 | 3.434 | 4.725 |
| 9. | 5.466 | 5.331 | 5.232 | 4.661 | 3.019 |

[a]These values should be multiplied by $10^8$

**Table 1. (Cont'd)**

| Wavelength, Å | Intensity,[a] photons/cm² sec Å | | | | |
|---|---|---|---|---|---|
| | +0.0 Å | +0.2 Å | +0.4 Å | +0.6 Å | +0.8 Å |
| 1240. | 1.742 | 1.275 | 1.153 | 1.313 | 1.304 |
| 1. | 1.305 | 1.319 | 1.449 | 1.700 | 1.868 |
| 2. | 2.008 | 2.121 | 2.330 | 2.727 | 3.039 |
| 3. | 3.164 | 3.158 | 3.007 | 2.624 | 2.147 |
| 4. | 1.734 | 1.493 | 1.463 | 1.409 | 1.381 |
| 5. | 1.358 | 1.344 | 1.338 | 1.331 | 1.324 |
| 6. | 1.329 | 1.339 | 1.349 | 1.364 | 1.384 |
| 7. | 1.421 | 1.472 | 1.541 | 1.605 | 1.632 |
| 8. | 1.633 | 1.609 | 1.559 | 1.488 | 1.409 |
| 9. | 1.357 | 1.374 | 1.381 | 1.376 | 1.350 |
| 1250. | 1.334 | 1.391 | 1.505 | 1.682 | 1.743 |
| 1. | 1.730 | 1.674 | 1.591 | 1.485 | 1.394 |
| 2. | 1.309 | 1.230 | 1.187 | 1.190 | 1.194 |
| 3. | 1.212 | 1.262 | 1.425 | 1.803 | 2.062 |
| 4. | 2.153 | 2.036 | 1.793 | 1.596 | 1.453 |
| 5. | 1.416 | 1.397 | 1.398 | 1.401 | 1.418 |
| 6. | 1.458 | 1.646 | 2.036 | 2.139 | 2.069 |
| 7. | 1.896 | 1.684 | 1.542 | 1.445 | 1.396 |
| 8. | 1.375 | 1.393 | 1.464 | 1.609 | 2.009 |
| 9. | 2.586 | 2.752 | 2.756 | 2.722 | 2.676 |
| 1260. | 2.834 | 3.907 | 4.988 | 5.196 | 5.259 |
| 1. | 5.231 | 5.147 | 4.712 | 3.179 | 1.865 |
| 2. | 1.553 | 1.318 | 1.183 | 1.108 | 1.090 |
| 3. | 1.073 | 1.066 | 1.062 | 1.095 | 1.179 |
| 4. | 1.406 | 1.722 | 2.097 | 2.781 | 3.821 |
| 5. | 5.381 | 7.210 | 8.746 | 9.704 | 9.703 |
| 6. | 7.970 | 4.540 | 2.745 | 1.902 | 1.840 |
| 7. | 2.068 | 1.839 | 1.639 | 1.465 | 1.432 |
| 8. | 1.436 | 1.389 | 1.269 | 1.072 | 1.009 |
| 9. | 1.002 | 0.986 | 0.979 | 0.974 | 0.982 |
| 1270. | 1.001 | 1.037 | 1.089 | 1.162 | 1.209 |
| 1. | 1.209 | 1.185 | 1.142 | 1.110 | 1.074 |
| 2. | 1.027 | 1.007 | 1.021 | 1.021 | 1.018 |
| 3. | 1.002 | 0.982 | 0.962 | 0.957 | 0.972 |
| 4. | 1.066 | 1.214 | 1.396 | 1.651 | 1.964 |
| 5. | 2.079 | 2.075 | 2.039 | 1.917 | 1.696 |
| 6. | 1.567 | 1.563 | 1.621 | 1.726 | 1.795 |
| 7. | 1.891 | 2.045 | 2.130 | 2.143 | 2.095 |
| 8. | 1.945 | 1.602 | 1.291 | 1.324 | 1.465 |
| 9. | 1.593 | 1.702 | 1.778 | 1.827 | 1.863 |

[a]These values should be multiplied by $10^8$

**Table 1. (Cont'd)**

| Wavelength, Å | Intensity,[a] photons/cm² sec Å | | | | |
|---|---|---|---|---|---|
| | +0.0 Å | +0.2 Å | +0.4 Å | +0.6 Å | +0.8 Å |
| 1280. | 1.924 | 1.982 | 1.980 | 1.912 | 1.628 |
| 1. | 1.278 | 0.994 | 0.834 | 0.825 | 0.807 |
| 2. | 0.810 | 0.812 | 0.817 | 0.821 | 0.830 |
| 3. | 0.842 | 0.846 | 0.843 | 0.834 | 0.829 |
| 4. | 0.826 | 0.827 | 0.829 | 0.832 | 0.834 |
| 5. | 0.835 | 0.839 | 0.844 | 0.850 | 0.857 |
| 6. | 0.867 | 0.887 | 0.908 | 0.920 | 0.972 |
| 7. | 1.076 | 1.236 | 1.444 | 1.693 | 1.915 |
| 8. | 2.043 | 2.123 | 2.159 | 2.157 | 2.036 |
| 9. | 1.612 | 1.327 | 1.379 | 1.399 | 1.422 |
| 1290. | 1.386 | 1.289 | 1.117 | 1.041 | 1.025 |
| 1. | 1.036 | 1.056 | 1.050 | 1.015 | 0.949 |
| 2. | 0.927 | 0.925 | 0.928 | 0.935 | 0.945 |
| 3. | 0.958 | 0.974 | 0.993 | 1.028 | 1.107 |
| 4. | 1.198 | 1.291 | 1.333 | 1.342 | 1.361 |
| 5. | 1.417 | 1.566 | 1.747 | 1.947 | 1.996 |
| 6. | 1.967 | 1.939 | 1.816 | 1.534 | 1.299 |
| 7. | 1.124 | 1.075 | 1.116 | 1.170 | 1.259 |
| 8. | 1.440 | 1.944 | 2.354 | 2.424 | 2.437 |
| 9. | 2.361 | 2.068 | 1.719 | 1.527 | 1.433 |
| 1300. | 1.448 | 1.659 | 2.032 | 2.534 | 2.911 |
| 1. | 2.868 | 3.336 | 4.490 | 7.709 | 11.264 |
| 2. | 11.731 | 10.464 | 7.716 | 5.029 | 3.206 |
| 3. | 2.580 | 2.795 | 2.752 | 2.932 | 3.397 |
| 4. | 4.506 | 7.152 | 12.866 | 16.402 | 16.466 |
| 5. | 16.592 | 16.103 | 15.102 | 14.938 | 16.991 |
| 6. | 17.748 | 17.037 | 13.435 | 6.297 | 0.410 |
| 7. | 0.236 | 1.452 | 1.467 | 1.578 | 1.823 |
| 8. | 2.550 | 3.941 | 4.763 | 5.267 | 5.573 |
| 9. | 5.679 | 5.595 | 5.052 | 4.132 | 2.930 |
| 1310. | 2.034 | 2.180 | 2.368 | 2.494 | 2.600 |
| 1. | 2.682 | 2.670 | 2.560 | 2.375 | 2.142 |
| 2. | 1.983 | 1.914 | 1.888 | 1.898 | 1.902 |
| 3. | 1.886 | 1.793 | 1.654 | 1.483 | 1.312 |
| 4. | 1.266 | 1.273 | 1.292 | 1.342 | 1.430 |
| 5. | 1.554 | 1.715 | 1.885 | 2.074 | 2.311 |
| 6. | 2.517 | 2.597 | 2.616 | 2.599 | 2.279 |
| 7. | 1.682 | 1.493 | 1.517 | 1.569 | 1.716 |
| 8. | 2.096 | 2.550 | 2.609 | 2.420 | 1.975 |
| 9. | 1.624 | 1.410 | 1.338 | 1.351 | 1.335 |

[a]These values should be multiplied by $10^8$

**Table 1. (Cont'd)**

| Wavelength, Å | Intensity,[a] photons/cm² sec Å | | | | |
|---|---|---|---|---|---|
| | +0.0 Å | +0.2 Å | +0.4 Å | +0.6 Å | +0.8 Å |
| 1320. | 1.368 | 1.368 | 1.342 | 1.331 | 1.339 |
| 1. | 1.363 | 1.374 | 1.383 | 1.395 | 1.417 |
| 2. | 1.446 | 1.478 | 1.535 | 1.632 | 1.916 |
| 3. | 2.183 | 2.166 | 2.149 | 2.087 | 1.976 |
| 4. | 1.820 | 1.627 | 1.488 | 1.407 | 1.416 |
| 5. | 1.444 | 1.485 | 1.503 | 1.543 | 1.598 |
| 6. | 1.647 | 1.694 | 1.741 | 1.806 | 1.850 |
| 7. | 1.851 | 1.823 | 1.769 | 1.693 | 1.672 |
| 8. | 1.683 | 1.709 | 1.809 | 2.208 | 3.670 |
| 9. | 4.425 | 4.263 | 4.139 | 3.912 | 3.556 |
| 1330. | 2.977 | 2.423 | 2.005 | 1.898 | 1.888 |
| 1. | 1.860 | 1.839 | 1.825 | 1.811 | 1.820 |
| 2. | 1.845 | 1.878 | 1.929 | 2.003 | 2.122 |
| 3. | 2.507 | 3.298 | 4.840 | 6.927 | 9.589 |
| 4. | 15.011 | 20.953 | 25.118 | 30.272 | 34.554 |
| 5. | 34.478 | 34.100 | 33.640 | 33.082 | 34.500 |
| 6. | 35.276 | 33.756 | 29.755 | 23.158 | 13.532 |
| 7. | 8.022 | 5.338 | 3.341 | 2.478 | 2.550 |
| 8. | 2.456 | 2.416 | 2.353 | 2.297 | 2.244 |
| 9. | 2.189 | 2.146 | 2.113 | 2.075 | 2.041 |
| 1340. | 2.012 | 1.989 | 1.971 | 1.960 | 1.950 |
| 1. | 1.939 | 1.922 | 1.908 | 1.903 | 1.933 |
| 2. | 1.968 | 1.990 | 2.011 | 2.032 | 2.057 |
| 3. | 2.027 | 1.970 | 1.935 | 1.900 | 1.869 |
| 4. | 1.853 | 1.844 | 1.836 | 1.830 | 1.825 |
| 5. | 1.819 | 1.813 | 1.810 | 1.815 | 1.814 |
| 6. | 1.812 | 1.819 | 1.822 | 1.823 | 1.830 |
| 7. | 1.839 | 1.849 | 1.859 | 1.879 | 1.900 |
| 8. | 1.878 | 1.858 | 1.851 | 1.842 | 1.833 |
| 9. | 1.825 | 1.872 | 1.960 | 2.090 | 2.146 |
| 1350. | 2.134 | 2.059 | 1.957 | 1.869 | 1.934 |
| 1. | 2.304 | 3.023 | 3.579 | 4.130 | 4.700 |
| 2. | 4.809 | 4.753 | 4.402 | 3.344 | 2.502 |
| 3. | 2.039 | 1.938 | 1.945 | 1.942 | 1.991 |
| 4. | 2.060 | 2.116 | 2.193 | 2.272 | 2.331 |
| 5. | 2.385 | 2.458 | 2.616 | 3.081 | 3.832 |
| 6. | 4.494 | 4.959 | 4.714 | 4.098 | 3.315 |
| 7. | 2.629 | 2.547 | 2.666 | 2.754 | 2.807 |
| 8. | 2.845 | 2.914 | 3.072 | 3.311 | 3.506 |
| 9. | 3.637 | 3.672 | 3.642 | 3.493 | 3.074 |

[a]These values should be multiplied by $10^8$

**Table 1. (Cont'd)**

| Wavelength, Å | Intensity,[a] photons/cm² sec Å | | | | |
|---|---|---|---|---|---|
| | +0.0 Å | +0.2 Å | +0.4 Å | +0.6 Å | +0.8 Å |
| 1360. | 2.764 | 2.623 | 2.504 | 2.438 | 2.443 |
| 1. | 2.515 | 2.661 | 2.802 | 2.892 | 2.930 |
| 2. | 2.920 | 2.863 | 2.705 | 2.509 | 2.370 |
| 3. | 2.302 | 2.351 | 2.496 | 2.731 | 2.947 |
| 4. | 3.136 | 3.259 | 3.226 | 3.092 | 2.915 |
| 5. | 2.716 | 2.481 | 2.163 | 2.010 | 2.034 |
| 6. | 2.085 | 2.178 | 2.287 | 2.324 | 2.335 |
| 7. | 2.333 | 2.333 | 2.342 | 2.387 | 2.461 |
| 8. | 2.586 | 2.682 | 2.705 | 2.726 | 2.716 |
| 9. | 2.655 | 2.600 | 2.568 | 2.618 | 2.685 |
| 1370. | 2.773 | 2.893 | 2.989 | 3.039 | 3.024 |
| 1. | 2.971 | 3.002 | 3.063 | 3.112 | 3.099 |
| 2. | 3.042 | 2.956 | 2.909 | 2.891 | 2.859 |
| 3. | 2.798 | 2.717 | 2.623 | 2.619 | 2.687 |
| 4. | 2.827 | 2.896 | 2.885 | 2.803 | 2.722 |
| 5. | 2.667 | 2.631 | 2.605 | 2.575 | 2.583 |
| 6. | 2.621 | 2.648 | 2.665 | 2.674 | 2.714 |
| 7. | 2.751 | 2.769 | 2.748 | 2.714 | 2.693 |
| 8. | 2.674 | 2.654 | 2.623 | 2.656 | 2.736 |
| 9. | 2.768 | 2.829 | 2.928 | 2.985 | 3.027 |
| 1380. | 3.056 | 3.021 | 2.958 | 2.897 | 2.903 |
| 1. | 2.950 | 3.002 | 3.103 | 3.232 | 3.221 |
| 2. | 3.148 | 3.050 | 2.987 | 2.944 | 2.917 |
| 3. | 2.906 | 2.906 | 2.902 | 2.900 | 2.902 |
| 4. | 2.912 | 2.921 | 2.926 | 2.940 | 2.969 |
| 5. | 3.024 | 3.072 | 3.114 | 3.127 | 3.111 |
| 6. | 3.085 | 3.054 | 3.040 | 3.073 | 3.145 |
| 7. | 3.208 | 3.250 | 3.239 | 3.216 | 3.193 |
| 8. | 3.172 | 3.147 | 3.115 | 3.124 | 3.154 |
| 9. | 3.188 | 3.211 | 3.216 | 3.182 | 3.137 |
| 1390. | 3.101 | 3.070 | 3.042 | 3.018 | 3.002 |
| 1. | 2.993 | 2.996 | 3.011 | 3.049 | 3.118 |
| 2. | 3.218 | 3.345 | 3.504 | 3.698 | 4.067 |
| 3. | 4.594 | 5.281 | 7.054 | 9.975 | 13.545 |
| 4. | 16.588 | 18.465 | 18.729 | 17.474 | 14.452 |
| 5. | 9.243 | 3.169 | 2.698 | 3.211 | 3.284 |
| 6. | 3.310 | 3.330 | 3.336 | 3.357 | 3.381 |
| 7. | 3.398 | 3.393 | 3.370 | 3.338 | 3.304 |
| 8. | 3.279 | 3.261 | 3.250 | 3.247 | 3.391 |
| 9. | 3.603 | 3.676 | 3.735 | 3.789 | 3.811 |

[a]These values should be multiplied by $10^8$

**Table 1. (Cont'd)**

| Wavelength, Å | Intensity,[a] photons/cm² sec Å | | | | |
|---|---|---|---|---|---|
| | +0.0 Å | +0.2 Å | +0.4 Å | +0.6 Å | +0.8 Å |
| 1400. | 3.795 | 3.776 | 3.834 | 4.072 | 4.517 |
| 1. | 5.157 | 5.843 | 6.363 | 6.389 | 6.230 |
| 2. | 5.778 | 5.079 | 5.096 | 7.276 | 13.265 |
| 3. | 13.914 | 13.158 | 12.364 | 10.657 | 7.770 |
| 4. | 3.368 | 2.531 | 3.144 | 3.405 | 3.757 |
| 5. | 4.137 | 4.349 | 4.459 | 4.472 | 4.414 |
| 6. | 4.276 | 4.059 | 3.892 | 3.774 | 3.702 |
| 7. | 3.634 | 3.578 | 3.623 | 3.702 | 3.787 |
| 8. | 3.806 | 3.766 | 3.670 | 3.540 | 3.401 |
| 9. | 3.345 | 3.370 | 3.486 | 3.614 | 3.718 |
| 1410. | 3.738 | 3.699 | 3.651 | 3.630 | 3.674 |
| 1. | 3.860 | 4.466 | 4.649 | 4.608 | 4.527 |
| 2. | 4.419 | 4.324 | 4.246 | 4.200 | 4.220 |
| 3. | 4.301 | 4.450 | 4.476 | 4.420 | 4.292 |
| 4. | 4.196 | 4.114 | 3.971 | 3.874 | 3.841 |
| 5. | 3.796 | 3.777 | 3.796 | 3.854 | 3.949 |
| 6. | 4.080 | 4.170 | 4.228 | 4.209 | 4.122 |
| 7. | 3.955 | 3.912 | 3.986 | 4.113 | 4.205 |
| 8. | 4.148 | 4.069 | 3.989 | 3.917 | 3.869 |
| 9. | 3.865 | 3.926 | 4.009 | 4.064 | 4.072 |
| 1420. | 4.011 | 3.959 | 3.907 | 3.862 | 3.844 |
| 1. | 3.861 | 3.942 | 4.055 | 4.175 | 4.203 |
| 2. | 4.188 | 4.151 | 4.124 | 4.097 | 4.070 |
| 3. | 4.076 | 4.114 | 4.196 | 4.255 | 4.297 |
| 4. | 4.371 | 4.449 | 4.540 | 4.751 | 5.007 |
| 5. | 5.304 | 6.353 | 7.352 | 7.440 | 7.351 |
| 6. | 6.950 | 6.065 | 5.188 | 4.569 | 4.488 |
| 7. | 4.415 | 4.402 | 4.439 | 4.476 | 4.503 |
| 8. | 4.511 | 4.529 | 4.563 | 4.588 | 4.614 |
| 9. | 4.647 | 4.686 | 4.722 | 4.744 | 4.780 |
| 1430. | 4.820 | 4.844 | 4.863 | 4.885 | 4.944 |
| 1. | 5.044 | 5.187 | 5.328 | 5.524 | 5.808 |
| 2. | 6.026 | 6.232 | 6.456 | 6.706 | 6.959 |
| 3. | 7.169 | 7.298 | 7.340 | 7.305 | 7.174 |
| 4. | 6.926 | 6.453 | 5.930 | 5.495 | 5.260 |
| 5. | 5.212 | 5.381 | 5.732 | 6.125 | 6.208 |
| 6. | 6.004 | 5.605 | 5.483 | 5.632 | 6.063 |
| 7. | 6.342 | 6.554 | 6.544 | 6.376 | 6.093 |
| 8. | 5.830 | 5.726 | 5.673 | 5.647 | 5.630 |
| 9. | 5.582 | 5.563 | 5.572 | 5.573 | 5.574 |

[a]These values should be multiplied by $10^8$

**Table 1. (Cont'd)**

| Wavelength, Å | Intensity,[a] photons/cm² sec Å | | | | |
|---|---|---|---|---|---|
| | +0.0 Å | +0.2 Å | +0.4 Å | +0.6 Å | +0.8 Å |
| 1440. | 5.577 | 5.604 | 5.641 | 5.681 | 5.720 |
| 1. | 5.760 | 5.799 | 5.825 | 5.835 | 5.824 |
| 2. | 5.807 | 5.786 | 5.768 | 5.753 | 5.753 |
| 3. | 5.785 | 5.825 | 5.867 | 5.907 | 5.927 |
| 4. | 5.918 | 5.892 | 5.863 | 5.847 | 5.886 |
| 5. | 5.939 | 5.956 | 5.990 | 6.031 | 6.051 |
| 6. | 6.076 | 6.111 | 6.153 | 6.191 | 6.220 |
| 7. | 6.233 | 6.241 | 6.253 | 6.282 | 6.309 |
| 8. | 6.306 | 6.336 | 6.371 | 6.337 | 6.305 |
| 9. | 6.290 | 6.290 | 6.289 | 6.276 | 6.247 |
| 1450. | 6.213 | 6.183 | 6.179 | 6.178 | 6.150 |
| 1. | 6.133 | 6.138 | 6.178 | 6.237 | 6.280 |
| 2. | 6.316 | 6.362 | 6.511 | 6.692 | 6.870 |
| 3. | 6.921 | 6.911 | 6.879 | 6.885 | 6.900 |
| 4. | 6.898 | 6.868 | 6.859 | 6.921 | 7.066 |
| 5. | 7.314 | 7.713 | 7.857 | 7.791 | 7.684 |
| 6. | 7.527 | 7.347 | 7.247 | 7.218 | 7.270 |
| 7. | 7.351 | 7.434 | 7.479 | 7.582 | 7.670 |
| 8. | 7.631 | 7.599 | 7.604 | 7.739 | 7.948 |
| 9. | 8.191 | 8.268 | 8.251 | 8.154 | 8.027 |
| 1460. | 7.903 | 7.834 | 7.841 | 7.899 | 7.970 |
| 1. | 8.078 | 8.199 | 8.253 | 8.272 | 8.266 |
| 2. | 8.300 | 8.440 | 8.847 | 9.196 | 9.477 |
| 3. | 9.520 | 9.383 | 9.146 | 8.847 | 8.565 |
| 4. | 8.454 | 8.481 | 8.517 | 8.567 | 8.605 |
| 5. | 8.633 | 8.686 | 8.751 | 8.811 | 8.881 |
| 6. | 9.011 | 9.373 | 9.818 | 10.323 | 10.960 |
| 7. | 11.626 | 12.242 | 12.672 | 12.956 | 13.096 |
| 8. | 12.928 | 12.438 | 11.543 | 10.867 | 10.465 |
| 9. | 10.338 | 10.523 | 10.822 | 11.081 | 11.201 |
| 1470. | 11.160 | 10.923 | 10.448 | 9.870 | 9.303 |
| 1. | 9.174 | 9.362 | 9.852 | 10.584 | 11.345 |
| 2. | 11.633 | 12.647 | 14.488 | 17.068 | 19.044 |
| 3. | 19.920 | 20.222 | 19.804 | 18.598 | 17.677 |
| 4. | 17.648 | 17.321 | 15.522 | 12.959 | 11.475 |
| 5. | 10.747 | 10.657 | 10.588 | 10.452 | 10.196 |
| 6. | 10.020 | 9.769 | 9.373 | 9.281 | 9.306 |
| 7. | 9.314 | 9.316 | 9.288 | 9.156 | 9.007 |
| 8. | 8.857 | 8.740 | 8.644 | 8.577 | 8.625 |
| 9. | 8.756 | 8.960 | 9.250 | 9.609 | 10.013 |

[a]These values should be multiplied by $10^8$

**Table 1. (Cont'd)**

| Wavelength, Å | Intensity,[a] photons/cm² sec Å | | | | |
|---|---|---|---|---|---|
| | +0.0 Å | +0.2 Å | +0.4 Å | +0.6 Å | +0.8 Å |
| 1480. | 10.269 | 10.679 | 11.957 | 13.280 | 14.736 |
| 1. | 17.149 | 18.707 | 18.751 | 13.398 | 17.710 |
| 2. | 16.723 | 15.292 | 14.093 | 13.481 | 13.735 |
| 3. | 14.097 | 13.967 | 13.426 | 12.733 | 12.244 |
| 4. | 11.833 | 11.555 | 11.653 | 11.935 | 12.297 |
| 5. | 12.688 | 13.250 | 14.177 | 14.602 | 14.766 |
| 6. | 15.178 | 15.705 | 16.252 | 16.370 | 15.719 |
| 7. | 14.374 | 13.380 | 12.756 | 12.499 | 12.330 |
| 8. | 12.186 | 12.003 | 11.842 | 11.736 | 11.722 |
| 9. | 11.766 | 11.863 | 11.992 | 12.192 | 12.375 |
| 1490. | 12.300 | 12.252 | 12.266 | 12.268 | 12.201 |
| 1. | 12.034 | 12.156 | 12.428 | 12.730 | 13.003 |
| 2. | 13.257 | 13.661 | 14.030 | 14.282 | 14.449 |
| 3. | 14.515 | 14.397 | 14.127 | 13.711 | 13.350 |
| 4. | 13.049 | 12.898 | 12.796 | 12.738 | 12.699 |
| 5. | 12.700 | 12.738 | 12.782 | 12.809 | 12.803 |
| 6. | 12.824 | 12.851 | 12.874 | 12.916 | 12.965 |
| 7. | 13.010 | 13.086 | 13.171 | 13.191 | 13.233 |
| 8. | 13.334 | 13.558 | 13.604 | 13.684 | 13.982 |
| 9. | 14.224 | 14.498 | 14.882 | 15.306 | 15.705 |
| 1500. | 15.880 | 15.880 | 15.700 | 15.424 | 15.106 |
| 1. | 14.890 | 14.949 | 15.225 | 15.514 | 15.940 |
| 2. | 16.454 | 16.637 | 16.631 | 16.467 | 16.243 |
| 3. | 16.011 | 15.938 | 15.876 | 15.795 | 15.693 |
| 4. | 15.647 | 15.701 | 15.729 | 15.758 | 15.786 |
| 5. | 15.836 | 15.896 | 15.952 | 15.971 | 15.968 |
| 6. | 15.997 | 16.060 | 16.147 | 16.179 | 16.238 |
| 7. | 16.361 | 16.401 | 16.417 | 16.447 | 16.543 |
| 8. | 16.649 | 16.671 | 16.696 | 16.746 | 16.870 |
| 9. | 16.950 | 17.050 | 17.220 | 17.437 | 17.815 |
| 1510. | 18.607 | 19.467 | 20.096 | 20.352 | 20.384 |
| 1. | 20.190 | 19.946 | 19.476 | 18.626 | 17.931 |
| 2. | 17.340 | 16.898 | 16.629 | 16.506 | 16.427 |
| 3. | 16.344 | 16.243 | 16.239 | 16.256 | 16.258 |
| 4. | 16.260 | 16.291 | 16.388 | 16.474 | 16.538 |
| 5. | 16.534 | 16.561 | 16.628 | 16.615 | 16.532 |
| 6. | 16.454 | 16.360 | 16.249 | 16.163 | 16.082 |
| 7. | 15.975 | 15.885 | 15.826 | 15.829 | 15.783 |
| 8. | 15.667 | 15.637 | 15.636 | 15.643 | 15.645 |
| 9. | 15.647 | 15.649 | 15.651 | 15.653 | 15.655 |

[a]These values should be multiplied by $10^8$

**Table 1. (Cont'd)**

| Wavelength, Å | Intensity,[a] photons/cm² sec Å | | | | |
|---|---|---|---|---|---|
| | +0.0 Å | +0.2 Å | +0.4 Å | +0.6 Å | +0.8 Å |
| 1520. | 15.657 | 15.659 | 15.661 | 15.664 | 15.666 |
| 1. | 15.668 | 15.670 | 15.700 | 15.765 | 15.820 |
| 2. | 15.932 | 16.141 | 16.147 | 16.157 | 16.380 |
| 3. | 16.271 | 16.000 | 15.874 | 15.816 | 15.804 |
| 4. | 15.727 | 15.670 | 15.715 | 15.923 | 16.249 |
| 5. | 17.166 | 19.381 | 22.180 | 25.176 | 27.297 |
| 6. | 28.366 | 28.348 | 27.479 | 24.701 | 19.976 |
| 7. | 17.436 | 16.239 | 16.485 | 16.368 | 16.289 |
| 8. | 16.248 | 16.235 | 16.237 | 16.165 | 15.897 |
| 9. | 15.577 | 15.281 | 15.221 | 15.295 | 15.474 |
| 1530. | 15.658 | 15.677 | 15.471 | 15.483 | 15.486 |
| 1. | 15.359 | 15.449 | 15.795 | 16.685 | 18.243 |
| 2. | 20.831 | 23.552 | 25.933 | 26.587 | 26.245 |
| 3. | 25.591 | 21.845 | 15.913 | 14.833 | 16.410 |
| 4. | 16.454 | 16.589 | 16.614 | 16.587 | 16.568 |
| 5. | 16.558 | 16.548 | 16.538 | 16.528 | 16.518 |
| 6. | 16.508 | 16.498 | 16.489 | 16.479 | 16.446 |
| 7. | 15.813 | 14.797 | 14.037 | 13.440 | 13.076 |
| 8. | 12.588 | 11.941 | 11.375 | 11.125 | 11.314 |
| 9. | 11.382 | 11.621 | 12.214 | 12.964 | 13.869 |
| 1540. | 15.029 | 16.423 | 17.936 | 18.193 | 17.834 |
| 1. | 16.943 | 15.374 | 13.815 | 12.656 | 11.611 |
| 2. | 10.774 | 10.219 | 10.012 | 10.078 | 10.320 |
| 3. | 10.850 | 11.668 | 11.981 | 11.900 | 12.228 |
| 4. | 12.820 | 13.484 | 13.840 | 13.465 | 12.607 |
| 5. | 11.489 | 10.561 | 10.147 | 10.173 | 10.359 |
| 6. | 11.197 | 12.806 | 16.330 | 24.838 | 34.838 |
| 7. | 40.991 | 45.247 | 47.375 | 46.546 | 38.096 |
| 8. | 20.010 | 11.783 | 7.974 | 7.353 | 6.636 |
| 9. | 6.521 | 6.531 | 6.832 | 7.425 | 8.311 |

[a]These values should be multiplied by $10^8$

**Table 2. Solar spectrum at 0.2-Å intervals in the region 1760 to 2100 Å**

| Wavelength, Å | Intensity,[a] photons/cm² sec Å | | | | |
|---|---|---|---|---|---|
| | +0.0 Å | +0.2 Å | +0.4 Å | +0.6 Å | +0.8 Å |
| 1760. | 1.094 | 1.094 | 1.016 | 0.981 | 0.976 |
| 1. | 1.058 | 1.150 | 1.149 | 1.104 | 1.186 |
| 2. | 1.254 | 1.273 | 1.195 | 1.008 | 0.981 |
| 3. | 0.998 | 1.017 | 0.984 | 0.975 | 0.994 |
| 4. | 1.045 | 1.100 | 1.109 | 1.066 | 1.036 |
| 5. | 0.981 | 0.945 | 0.932 | 0.916 | 0.909 |
| 6. | 0.900 | 0.904 | 0.922 | 0.990 | 1.100 |
| 7. | 1.264 | 1.397 | 1.386 | 1.360 | 1.316 |
| 8. | 1.280 | 1.249 | 1.228 | 1.202 | 1.169 |
| 9. | 1.106 | 1.028 | 0.996 | 1.049 | 1.169 |
| 1770. | 1.336 | 1.395 | 1.259 | 1.213 | 1.243 |
| 1. | 1.323 | 1.396 | 1.463 | 1.424 | 1.366 |
| 2. | 1.342 | 1.334 | 1.392 | 1.487 | 1.599 |
| 3. | 1.633 | 1.548 | 1.512 | 1.494 | 1.492 |
| 4. | 1.480 | 1.460 | 1.394 | 1.289 | 1.169 |
| 5. | 1.042 | 1.026 | 1.050 | 1.094 | 1.132 |
| 6. | 1.165 | 1.196 | 1.225 | 1.202 | 1.201 |
| 7. | 1.301 | 1.356 | 1.343 | 1.317 | 1.306 |
| 8. | 1.295 | 1.322 | 1.355 | 1.417 | 1.524 |
| 9. | 1.588 | 1.602 | 1.569 | 1.512 | 1.438 |
| 1780. | 1.473 | 1.580 | 1.671 | 1.732 | 1.652 |
| 1. | 1.549 | 1.504 | 1.469 | 1.441 | 1.417 |
| 2. | 1.399 | 1.375 | 1.351 | 1.333 | 1.318 |
| 3. | 1.304 | 1.334 | 1.421 | 1.441 | 1.410 |
| 4. | 1.410 | 1.438 | 1.479 | 1.516 | 1.486 |
| 5. | 1.458 | 1.490 | 1.514 | 1.548 | 1.593 |
| 6. | 1.610 | 1.600 | 1.564 | 1.540 | 1.516 |
| 7. | 1.517 | 1.536 | 1.550 | 1.565 | 1.555 |
| 8. | 1.534 | 1.513 | 1.485 | 1.476 | 1.506 |
| 9. | 1.573 | 1.688 | 1.755 | 1.733 | 1.687 |
| 1790. | 1.618 | 1.573 | 1.548 | 1.582 | 1.646 |
| 1. | 1.716 | 1.771 | 1.795 | 1.787 | 1.750 |
| 2. | 1.731 | 1.710 | 1.652 | 1.577 | 1.495 |
| 3. | 1.429 | 1.392 | 1.362 | 1.333 | 1.316 |
| 4. | 1.306 | 1.300 | 1.302 | 1.323 | 1.387 |
| 5. | 1.512 | 1.536 | 1.504 | 1.514 | 1.556 |
| 6. | 1.607 | 1.566 | 1.488 | 1.468 | 1.445 |
| 7. | 1.415 | 1.388 | 1.441 | 1.528 | 1.598 |
| 8. | 1.629 | 1.583 | 1.550 | 1.547 | 1.561 |
| 9. | 1.588 | 1.577 | 1.555 | 1.553 | 1.564 |

[a]These values should be multiplied by $10^{10}$

**Table 2. (Cont'd)**

| Wavelength, Å | Intensity,[a] photons/cm² sec Å | | | | |
|---|---|---|---|---|---|
| | +0.0 Å | +0.2 Å | +0.4 Å | +0.6 Å | +0.8 Å |
| 1800. | 1.593 | 1.627 | 1.664 | 1.666 | 1.704 |
| 1. | 1.810 | 1.830 | 1.768 | 1.719 | 1.675 |
| 2. | 1.636 | 1.694 | 1.758 | 1.777 | 1.759 |
| 3. | 1.827 | 1.809 | 1.724 | 1.663 | 1.653 |
| 4. | 1.696 | 1.730 | 1.789 | 1.857 | 1.901 |
| 5. | 1.926 | 1.892 | 1.839 | 1.828 | 1.868 |
| 6. | 1.895 | 1.882 | 1.752 | 1.674 | 1.624 |
| 7. | 1.596 | 1.643 | 1.812 | 2.391 | 3.449 |
| 8. | 3.645 | 3.182 | 2.431 | 2.127 | 1.889 |
| 9. | 1.649 | 1.598 | 1.668 | 1.677 | 1.711 |
| 1810. | 1.826 | 1.957 | 2.085 | 2.014 | 1.866 |
| 1. | 1.766 | 1.766 | 1.837 | 1.838 | 1.834 |
| 2. | 1.847 | 1.913 | 1.976 | 2.006 | 1.950 |
| 3. | 1.869 | 1.782 | 1.719 | 1.676 | 1.661 |
| 4. | 1.647 | 1.663 | 1.726 | 1.776 | 1.817 |
| 5. | 1.798 | 1.756 | 1.747 | 1.756 | 1.804 |
| 6. | 2.274 | 3.036 | 4.154 | 5.690 | 6.421 |
| 7. | 5.678 | 5.089 | 4.357 | 3.307 | 2.307 |
| 8. | 2.196 | 2.015 | 2.116 | 2.271 | 2.329 |
| 9. | 2.238 | 2.102 | 1.945 | 1.872 | 1.837 |
| 1820. | 1.815 | 1.806 | 1.799 | 1.888 | 2.080 |
| 1. | 2.217 | 2.328 | 2.336 | 2.283 | 2.206 |
| 2. | 2.144 | 2.144 | 2.205 | 2.316 | 2.466 |
| 3. | 2.619 | 2.686 | 2.642 | 2.669 | 2.739 |
| 4. | 2.782 | 2.715 | 2.574 | 2.399 | 2.281 |
| 5. | 2.310 | 2.312 | 2.246 | 2.130 | 1.993 |
| 6. | 1.922 | 2.005 | 2.127 | 2.273 | 2.315 |
| 7. | 2.297 | 2.238 | 2.138 | 2.001 | 1.927 |
| 8. | 1.972 | 2.066 | 2.184 | 2.294 | 2.362 |
| 9. | 2.353 | 2.325 | 2.297 | 2.280 | 2.272 |
| 1830. | 2.250 | 2.224 | 2.205 | 2.192 | 2.283 |
| 1. | 2.425 | 2.476 | 2.492 | 2.481 | 2.459 |
| 2. | 2.437 | 2.426 | 2.428 | 2.450 | 2.478 |
| 3. | 2.506 | 2.543 | 2.590 | 2.622 | 2.637 |
| 4. | 2.629 | 2.636 | 2.648 | 2.657 | 2.649 |
| 5. | 2.620 | 2.558 | 2.475 | 2.397 | 2.333 |
| 6. | 2.307 | 2.348 | 2.452 | 2.562 | 2.676 |
| 7. | 2.760 | 2.772 | 2.680 | 2.557 | 2.405 |
| 8. | 2.434 | 2.625 | 2.801 | 2.996 | 2.937 |
| 9. | 2.753 | 2.598 | 2.427 | 2.252 | 2.166 |

[a]These values should be multiplied by $10^{10}$

**Table 2. (Cont'd)**

| Wavelength, Å | Intensity,[a] photons/cm² sec Å | | | | |
|---|---|---|---|---|---|
| | +0.0 Å | +0.2 Å | +0.4 Å | +0.6 Å | +0.8 Å |
| 1840. | 2.223 | 2.236 | 2.201 | 2.093 | 1.946 |
| 1. | 1.859 | 1.818 | 1.854 | 1.934 | 2.045 |
| 2. | 2.179 | 2.329 | 2.434 | 2.461 | 2.473 |
| 3. | 2.434 | 2.315 | 2.240 | 2.192 | 2.261 |
| 4. | 2.385 | 2.478 | 2.517 | 2.445 | 2.291 |
| 5. | 2.054 | 1.903 | 1.815 | 1.890 | 2.048 |
| 6. | 2.164 | 2.265 | 2.162 | 1.941 | 1.765 |
| 7. | 1.642 | 1.637 | 1.642 | 1.647 | 1.679 |
| 8. | 1.742 | 1.845 | 1.983 | 2.154 | 2.358 |
| 9. | 2.586 | 2.679 | 2.664 | 2.525 | 2.295 |
| 1850. | 1.981 | 1.787 | 1.669 | 1.703 | 1.817 |
| 1. | 1.929 | 2.005 | 2.011 | 1.979 | 1.938 |
| 2. | 1.895 | 1.882 | 1.907 | 1.951 | 2.080 |
| 3. | 2.182 | 2.187 | 2.200 | 2.226 | 2.341 |
| 4. | 2.532 | 2.857 | 3.177 | 3.245 | 3.118 |
| 5. | 2.845 | 2.795 | 2.852 | 2.920 | 2.918 |
| 6. | 3.007 | 3.159 | 3.140 | 3.021 | 2.820 |
| 7. | 2.624 | 2.459 | 2.437 | 2.569 | 2.660 |
| 8. | 2.703 | 2.694 | 2.673 | 2.636 | 2.548 |
| 9. | 2.400 | 2.356 | 2.386 | 2.491 | 2.586 |
| 1860. | 2.639 | 2.678 | 2.702 | 2.700 | 2.681 |
| 1. | 2.665 | 2.659 | 2.680 | 2.716 | 2.762 |
| 2. | 2.846 | 2.963 | 3.086 | 3.215 | 3.253 |
| 3. | 3.139 | 2.996 | 2.848 | 2.701 | 2.550 |
| 4. | 2.523 | 2.564 | 2.597 | 2.640 | 2.648 |
| 5. | 2.616 | 2.567 | 2.495 | 2.557 | 2.673 |
| 6. | 2.829 | 3.074 | 3.255 | 3.380 | 3.471 |
| 7. | 3.525 | 3.540 | 3.532 | 3.527 | 3.505 |
| 8. | 3.458 | 3.461 | 3.512 | 3.557 | 3.605 |
| 9. | 3.641 | 3.661 | 3.648 | 3.606 | 3.536 |
| 1870. | 3.500 | 3.520 | 3.631 | 3.797 | 3.981 |
| 1. | 4.021 | 4.011 | 3.931 | 3.698 | 3.512 |
| 2. | 3.505 | 3.426 | 3.277 | 3.200 | 3.127 |
| 3. | 3.390 | 3.875 | 4.083 | 4.181 | 4.131 |
| 4. | 3.951 | 3.708 | 3.412 | 3.200 | 3.190 |
| 5. | 3.392 | 3.520 | 3.450 | 3.353 | 3.409 |
| 6. | 3.453 | 3.385 | 3.363 | 3.395 | 3.405 |
| 7. | 3.381 | 3.361 | 3.356 | 3.349 | 3.340 |
| 8. | 3.326 | 3.310 | 3.302 | 3.294 | 3.278 |
| 9. | 3.261 | 3.246 | 3.228 | 3.210 | 3.214 |

[a]These values should be multiplied by $10^{10}$

**Table 2. (Cont'd)**

| Wavelength, Å | Intensity,[a] photons/cm² sec Å | | | | |
|---|---|---|---|---|---|
| | +0.0 Å | +0.2 Å | +0.4 Å | +0.6 Å | +0.8 Å |
| 1880. | 3.232 | 3.267 | 3.281 | 3.230 | 3.181 |
| 1. | 3.153 | 3.160 | 3.199 | 3.284 | 3.429 |
| 2. | 3.696 | 3.966 | 4.105 | 4.199 | 4.246 |
| 3. | 4.138 | 3.965 | 3.838 | 3.776 | 3.879 |
| 4. | 4.015 | 4.135 | 4.110 | 3.943 | 3.878 |
| 5. | 3.848 | 3.844 | 3.848 | 3.825 | 3.802 |
| 6. | 3.808 | 3.858 | 3.982 | 4.125 | 4.121 |
| 7. | 3.884 | 3.761 | 3.686 | 3.643 | 3.623 |
| 8. | 3.601 | 3.635 | 3.775 | 3.986 | 4.261 |
| 9. | 4.396 | 4.426 | 4.412 | 4.476 | 4.511 |
| 1890. | 4.457 | 4.307 | 4.056 | 4.006 | 4.059 |
| 1. | 4.107 | 4.311 | 4.955 | 5.524 | 5.661 |
| 2. | 5.398 | 4.802 | 4.261 | 3.780 | 3.704 |
| 3. | 3.779 | 3.990 | 4.213 | 4.457 | 4.698 |
| 4. | 4.849 | 4.896 | 4.779 | 4.577 | 4.405 |
| 5. | 4.288 | 4.267 | 4.261 | 4.272 | 4.272 |
| 6. | 4.336 | 4.449 | 4.481 | 4.430 | 4.320 |
| 7. | 4.188 | 3.948 | 3.761 | 3.679 | 3.556 |
| 8. | 3.415 | 3.378 | 3.388 | 3.442 | 3.616 |
| 9. | 3.847 | 3.944 | 4.007 | 4.105 | 4.194 |
| 1900. | 4.262 | 4.197 | 3.993 | 3.779 | 3.556 |
| 1. | 3.523 | 3.556 | 3.639 | 3.829 | 4.090 |
| 2. | 4.354 | 4.622 | 4.871 | 4.856 | 4.623 |
| 3. | 4.524 | 4.550 | 4.767 | 5.005 | 5.189 |
| 4. | 4.941 | 4.586 | 4.501 | 4.498 | 4.549 |
| 5. | 4.433 | 4.361 | 4.393 | 4.367 | 4.326 |
| 6. | 4.342 | 4.543 | 4.751 | 4.856 | 4.908 |
| 7. | 4.898 | 4.813 | 4.685 | 4.521 | 4.682 |
| 8. | 5.106 | 5.396 | 5.626 | 5.619 | 5.515 |
| 9. | 5.537 | 5.363 | 5.007 | 4.794 | 4.627 |
| 1910. | 4.492 | 4.422 | 4.456 | 4.486 | 4.479 |
| 1. | 4.504 | 4.612 | 4.752 | 4.910 | 5.023 |
| 2. | 5.083 | 5.068 | 5.047 | 5.057 | 5.016 |
| 3. | 4.958 | 4.932 | 4.957 | 5.006 | 5.079 |
| 4. | 5.167 | 5.262 | 5.325 | 5.350 | 5.336 |
| 5. | 5.398 | 5.530 | 5.851 | 6.159 | 5.954 |
| 6. | 5.440 | 5.342 | 5.381 | 5.477 | 5.545 |
| 7. | 5.545 | 5.454 | 5.331 | 5.177 | 5.058 |
| 8. | 4.966 | 4.941 | 4.979 | 5.083 | 5.214 |
| 9. | 5.369 | 5.459 | 5.521 | 5.589 | 5.666 |

[a]These values should be multiplied by $10^{10}$

**Table 2. (Cont'd)**

| Wavelength, Å | Intensity,[a] photons/cm² sec Å | | | | |
|---|---|---|---|---|---|
| | +0.0 Å | +0.2 Å | +0.4 Å | +0.6 Å | +0.8 Å |
| 1920. | 5.771 | 5.965 | 6.278 | 6.417 | 6.477 |
| 1. | 6.494 | 6.513 | 6.442 | 6.194 | 6.018 |
| 2. | 5.967 | 5.799 | 5.582 | 5.581 | 5.664 |
| 3. | 5.685 | 5.711 | 5.754 | 5.691 | 5.485 |
| 4. | 5.373 | 5.323 | 5.334 | 5.382 | 5.408 |
| 5. | 5.516 | 5.760 | 5.931 | 5.813 | 5.585 |
| 6. | 5.397 | 5.231 | 5.103 | 5.100 | 5.207 |
| 7. | 5.442 | 5.736 | 5.908 | 6.001 | 5.988 |
| 8. | 5.900 | 5.783 | 5.716 | 5.563 | 5.268 |
| 9. | 5.077 | 4.987 | 4.833 | 4.638 | 4.317 |
| 1930. | 3.906 | 3.419 | 3.197 | 3.290 | 3.370 |
| 1. | 3.437 | 3.445 | 3.401 | 3.317 | 3.310 |
| 2. | 3.374 | 3.595 | 3.851 | 4.031 | 4.120 |
| 3. | 4.146 | 4.134 | 4.110 | 4.095 | 3.978 |
| 4. | 3.800 | 3.775 | 3.802 | 3.802 | 3.774 |
| 5. | 3.694 | 3.549 | 3.340 | 3.248 | 3.212 |
| 6. | 3.174 | 3.183 | 3.297 | 3.494 | 3.774 |
| 7. | 4.073 | 4.382 | 4.809 | 5.238 | 5.440 |
| 8. | 5.676 | 6.119 | 6.373 | 6.454 | 6.499 |
| 9. | 6.638 | 6.780 | 6.779 | 6.652 | 6.617 |
| 1940. | 6.621 | 6.681 | 6.923 | 7.422 | 7.826 |
| 1. | 8.138 | 8.415 | 8.635 | 8.735 | 8.759 |
| 2. | 8.749 | 8.723 | 8.823 | 9.044 | 9.195 |
| 3. | 9.252 | 9.180 | 8.720 | 7.922 | 7.738 |
| 4. | 7.732 | 7.758 | 7.774 | 7.862 | 8.427 |
| 5. | 8.847 | 8.712 | 8.430 | 8.082 | 7.684 |
| 6. | 7.503 | 7.502 | 7.897 | 8.540 | 9.308 |
| 7. | 9.842 | 9.899 | 9.714 | 9.329 | 9.095 |
| 8. | 9.078 | 9.391 | 9.491 | 9.485 | 9.414 |
| 9. | 9.242 | 8.903 | 8.505 | 8.133 | 7.998 |
| 1950. | 7.762 | 7.762 | 8.035 | 8.406 | 8.207 |
| 1. | 7.778 | 7.448 | 7.146 | 6.915 | 6.768 |
| 2. | 6.626 | 6.521 | 6.476 | 6.616 | 6.781 |
| 3. | 7.186 | 7.621 | 8.371 | 9.134 | 9.340 |
| 4. | 9.577 | 9.413 | 9.225 | 8.555 | 7.785 |
| 5. | 7.542 | 7.671 | 7.294 | 7.318 | 8.016 |
| 6. | 8.650 | 8.913 | 9.197 | 8.975 | 8.772 |
| 7. | 8.435 | 8.091 | 7.873 | 7.703 | 7.687 |
| 8. | 7.955 | 8.141 | 8.170 | 8.903 | 9.683 |
| 9. | 9.984 | 10.212 | 10.143 | 9.938 | 9.639 |

[a]These values should be multiplied by $10^{10}$

**Table 2. (Cont'd)**

| Wavelength, Å | Intensity,* photons/cm² sec Å | | | | |
|---|---|---|---|---|---|
| | +0.0 Å | +0.2 Å | +0.4 Å | +0.6 Å | +0.8 Å |
| 1960. | 9.248 | 8.935 | 8.682 | 8.312 | 7.742 |
| 1. | 7.417 | 7.590 | 7.681 | 7.635 | 7.552 |
| 2. | 7.543 | 7.645 | 7.756 | 7.949 | 8.097 |
| 3. | 8.032 | 8.076 | 8.245 | 8.159 | 8.020 |
| 4. | 8.421 | 9.367 | 10.013 | 10.069 | 9.953 |
| 5. | 9.612 | 9.436 | 9.551 | 9.763 | 10.194 |
| 6. | 10.546 | 10.608 | 10.403 | 10.248 | 10.062 |
| 7. | 10.245 | 10.687 | 10.832 | 10.429 | 10.357 |
| 8. | 10.762 | 11.019 | 10.963 | 10.791 | 11.053 |
| 9. | 11.506 | 11.577 | 11.332 | 10.974 | 10.726 |
| 1970. | 10.632 | 9.968 | 9.563 | 9.455 | 9.432 |
| 1. | 9.600 | 9.725 | 9.845 | 9.928 | 9.827 |
| 2. | 9.720 | 9.628 | 9.539 | 9.451 | 9.698 |
| 3. | 10.191 | 10.555 | 10.592 | 10.003 | 9.547 |
| 4. | 9.208 | 9.098 | 9.283 | 9.396 | 9.393 |
| 5. | 9.233 | 9.098 | 8.968 | 9.365 | 9.708 |
| 6. | 9.936 | 9.897 | 9.442 | 9.332 | 9.364 |
| 7. | 8.959 | 8.584 | 8.294 | 8.676 | 9.790 |
| 8. | 10.251 | 10.723 | 10.404 | 9.875 | 8.824 |
| 9. | 8.156 | 9.624 | 10.115 | 10.157 | 9.808 |
| 1980. | 9.481 | 9.185 | 8.928 | 9.437 | 10.036 |
| 1. | 10.452 | 10.729 | 11.081 | 11.536 | 11.612 |
| 2. | 11.112 | 10.835 | 10.606 | 10.142 | 9.492 |
| 3. | 9.287 | 9.386 | 9.737 | 10.038 | 10.200 |
| 4. | 10.292 | 10.359 | 10.274 | 10.214 | 10.572 |
| 5. | 11.001 | 10.934 | 10.434 | 10.109 | 9.130 |
| 6. | 8.260 | 8.129 | 7.857 | 8.060 | 8.495 |
| 7. | 8.792 | 8.820 | 9.139 | 9.544 | 9.651 |
| 8. | 9.758 | 9.779 | 9.591 | 8.336 | 7.431 |
| 9. | 7.910 | 8.701 | 9.268 | 9.630 | 9.928 |
| 1990. | 9.919 | 10.201 | 10.549 | 10.188 | 9.875 |
| 1. | 9.723 | 9.677 | 9.608 | 9.861 | 10.147 |
| 2. | 10.345 | 10.438 | 10.627 | 11.514 | 12.023 |
| 3. | 12.242 | 12.596 | 12.545 | 11.764 | 10.898 |
| 4. | 10.239 | 10.147 | 10.500 | 10.778 | 10.977 |
| 5. | 11.097 | 11.001 | 10.930 | 10.986 | 10.971 |
| 6. | 11.108 | 10.980 | 10.563 | 10.319 | 10.105 |
| 7. | 9.885 | 9.861 | 10.152 | 10.818 | 11.895 |
| 8. | 12.261 | 12.201 | 11.983 | 11.337 | 10.289 |
| 9. | 9.899 | 10.063 | 10.810 | 11.597 | 12.186 |

*These values should be multiplied by $10^{10}$

**Table 2. (Cont'd)**

| Wavelength, Å | Intensity,[a] photons/cm² sec Å | | | | |
|---|---|---|---|---|---|
| | +0.0 Å | +0.2 Å | +0.4 Å | +0.6 Å | +0.8 Å |
| 2000. | 11.902 | 11.663 | 11.124 | 10.464 | 10.357 |
| 1. | 11.161 | 11.798 | 12.265 | 12.500 | 12.186 |
| 2. | 11.974 | 11.909 | 11.839 | 11.849 | 11.880 |
| 3. | 11.965 | 12.166 | 12.506 | 13.177 | 12.279 |
| 4. | 11.562 | 11.329 | 11.084 | 11.290 | 11.549 |
| 5. | 12.071 | 12.716 | 13.184 | 13.547 | 13.802 |
| 6. | 13.364 | 12.730 | 12.124 | 11.719 | 11.838 |
| 7. | 12.113 | 11.730 | 11.306 | 11.235 | 11.572 |
| 8. | 12.218 | 12.819 | 12.697 | 12.245 | 11.793 |
| 9. | 12.040 | 12.518 | 12.972 | 13.451 | 13.945 |
| 2010. | 14.248 | 13.769 | 12.509 | 11.657 | 10.895 |
| 1. | 10.433 | 10.499 | 11.052 | 11.985 | 13.356 |
| 2. | 14.834 | 14.981 | 14.909 | 14.933 | 15.166 |
| 3. | 15.510 | 15.135 | 14.272 | 13.595 | 13.224 |
| 4. | 13.423 | 13.031 | 12.842 | 13.519 | 13.636 |
| 5. | 13.157 | 12.850 | 12.783 | 12.698 | 12.787 |
| 6. | 13.096 | 13.438 | 14.100 | 14.639 | 14.925 |
| 7. | 14.857 | 14.968 | 16.068 | 16.370 | 16.682 |
| 8. | 16.165 | 14.723 | 14.107 | 13.765 | 13.682 |
| 9. | 13.806 | 14.079 | 14.406 | 14.307 | 14.020 |
| 2020. | 13.774 | 13.786 | 13.998 | 13.973 | 13.752 |
| 1. | 13.546 | 13.480 | 13.501 | 13.132 | 12.494 |
| 2. | 12.540 | 13.001 | 13.500 | 14.068 | 14.581 |
| 3. | 14.572 | 14.973 | 15.645 | 16.195 | 15.476 |
| 4. | 14.930 | 14.486 | 14.113 | 13.743 | 13.768 |
| 5. | 13.783 | 12.410 | 10.131 | 8.230 | 7.621 |
| 6. | 8.565 | 9.474 | 10.662 | 12.257 | 13.670 |
| 7. | 14.489 | 15.492 | 16.272 | 16.508 | 16.498 |
| 8. | 16.607 | 16.339 | 15.968 | 15.669 | 15.422 |
| 9. | 15.174 | 14.994 | 14.907 | 15.262 | 15.663 |
| 2030. | 15.696 | 15.465 | 15.273 | 15.741 | 16.614 |
| 1. | 17.152 | 16.929 | 16.598 | 16.717 | 17.080 |
| 2. | 17.317 | 16.702 | 15.711 | 14.715 | 13.793 |
| 3. | 12.873 | 12.210 | 12.742 | 13.092 | 12.869 |
| 4. | 12.529 | 12.628 | 13.441 | 14.180 | 14.514 |
| 5. | 14.394 | 16.316 | 17.188 | 17.560 | 17.946 |
| 6. | 18.073 | 18.013 | 17.782 | 17.470 | 17.521 |
| 7. | 18.102 | 18.398 | 18.432 | 18.063 | 17.782 |
| 8. | 17.329 | 16.646 | 16.079 | 15.498 | 14.855 |
| 9. | 14.308 | 14.113 | 14.382 | 14.504 | 14.323 |

[a]These values should be multiplied by $10^{10}$

**Table 2. (Cont'd)**

| Wavelength, Å | Intensity,[a] photons/cm² sec Å | | | | |
|---|---|---|---|---|---|
| | +0.0 Å | +0.2 Å | +0.4 Å | +0.6 Å | +0.8 Å |
| 2040. | 14.285 | 14.244 | 14.697 | 15.228 | 15.801 |
| 1. | 16.418 | 17.049 | 17.695 | 18.492 | 19.450 |
| 2. | 20.361 | 21.123 | 20.563 | 20.076 | 19.503 |
| 3. | 19.317 | 19.852 | 18.337 | 16.667 | 16.334 |
| 4. | 15.866 | 15.520 | 15.846 | 16.259 | 16.616 |
| 5. | 17.257 | 17.981 | 18.652 | 18.964 | 18.992 |
| 6. | 19.008 | 19.823 | 19.634 | 18.806 | 18.282 |
| 7. | 17.479 | 16.257 | 15.221 | 15.121 | 15.892 |
| 8. | 16.745 | 17.570 | 17.999 | 17.964 | 17.732 |
| 9. | 17.144 | 16.662 | 16.688 | 17.202 | 17.802 |
| 2050. | 18.309 | 18.479 | 18.420 | 18.173 | 17.746 |
| 1. | 17.275 | 17.260 | 17.628 | 18.287 | 19.059 |
| 2. | 19.343 | 19.412 | 19.488 | 19.578 | 19.646 |
| 3. | 19.609 | 19.516 | 19.450 | 19.269 | 18.996 |
| 4. | 18.772 | 18.490 | 18.178 | 17.847 | 17.435 |
| 5. | 16.786 | 16.011 | 15.521 | 15.078 | 14.651 |
| 6. | 14.960 | 18.893 | 19.537 | 19.446 | 18.751 |
| 7. | 18.278 | 17.831 | 17.376 | 16.896 | 15.987 |
| 8. | 14.953 | 14.580 | 14.775 | 15.405 | 16.119 |
| 9. | 17.204 | 18.438 | 20.311 | 20.959 | 20.528 |
| 2060. | 19.507 | 19.425 | 20.937 | 21.364 | 20.790 |
| 1. | 19.262 | 16.771 | 14.782 | 14.210 | 14.285 |
| 2. | 14.479 | 15.207 | 16.650 | 18.562 | 19.332 |
| 3. | 19.469 | 19.490 | 18.119 | 17.933 | 18.310 |
| 4. | 19.198 | 20.109 | 20.754 | 20.652 | 19.967 |
| 5. | 19.260 | 18.015 | 16.695 | 16.781 | 18.324 |
| 6. | 19.497 | 19.492 | 19.595 | 19.675 | 19.795 |
| 7. | 19.691 | 19.448 | 19.263 | 19.113 | 18.964 |
| 8. | 18.836 | 18.696 | 18.488 | 18.298 | 18.318 |
| 9. | 18.320 | 18.322 | 18.336 | 18.356 | 18.554 |
| 2070. | 19.060 | 19.530 | 20.027 | 20.509 | 20.748 |
| 1. | 21.115 | 20.741 | 19.580 | 19.668 | 19.622 |
| 2. | 19.669 | 19.679 | 19.669 | 19.671 | 19.779 |
| 3. | 20.402 | 21.503 | 22.406 | 22.157 | 21.584 |
| 4. | 20.726 | 19.865 | 19.741 | 20.652 | 21.762 |
| 5. | 22.896 | 23.330 | 23.329 | 22.993 | 22.428 |
| 6. | 22.269 | 23.024 | 23.570 | 23.747 | 23.249 |
| 7. | 22.451 | 22.142 | 22.389 | 22.671 | 22.371 |
| 8. | 21.068 | 19.504 | 18.824 | 19.097 | 20.057 |
| 9. | 21.309 | 21.626 | 21.948 | 22.069 | 21.984 |

[a]These values should be multiplied by $10^{10}$

**Table 2. (Cont'd)**

| Wavelength, Å | Intensity,[a] photons/cm² sec Å | | | | |
|---|---|---|---|---|---|
| | +0.0 Å | +0.2 Å | +0.4 Å | +0.6 Å | +0.8 Å |
| 2080. | 21.775 | 21.305 | 20.656 | 19.908 | 19.313 |
| 1. | 19.052 | 18.935 | 18.897 | 18.794 | 18.650 |
| 2. | 18.593 | 18.707 | 19.045 | 19.743 | 20.936 |
| 3. | 22.524 | 23.713 | 23.416 | 20.789 | 17.397 |
| 4. | 17.772 | 18.092 | 18.821 | 20.437 | 21.707 |
| 5. | 20.803 | 20.499 | 21.735 | 25.121 | 27.724 |
| 6. | 26.803 | 26.973 | 27.637 | 26.666 | 24.510 |
| 7. | 22.385 | 21.471 | 24.122 | 28.822 | 33.253 |
| 8. | 37.960 | 36.183 | 28.975 | 21.285 | 19.324 |
| 9. | 20.591 | 24.394 | 28.178 | 25.860 | 23.174 |
| 2090. | 20.932 | 22.322 | 27.048 | 27.827 | 29.334 |
| 1. | 31.256 | 32.921 | 31.298 | 28.581 | 26.069 |
| 2. | 29.576 | 37.146 | 45.452 | 54.227 | 55.691 |
| 3. | 51.316 | 40.769 | 30.249 | 27.260 | 25.935 |
| 4. | 25.719 | 28.465 | 29.177 | 28.125 | 28.378 |
| 5. | 34.620 | 39.295 | 44.535 | 47.264 | 47.117 |
| 6. | 44.572 | 39.483 | 35.606 | 33.809 | 35.207 |
| 7. | 40.776 | 49.264 | 51.434 | 55.770 | 57.011 |
| 8. | 52.500 | 46.036 | 39.861 | 35.222 | 35.567 |
| 9. | 37.913 | 36.759 | 32.051 | 25.348 | 16.449 |

[a]These values should be multiplied by $10^{10}$

**Table 3. Solar spectrum at 0.1-Å intervals in the region 2085 to 2990 Å**

| Wavelength, Å | Intensity,[a] photons/cm² sec Å | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | +0.0 Å | +0.1 Å | +0.2 Å | +0.3 Å | +0.4 Å | +0.5 Å | +0.6 Å | +0.7 Å | +0.8 Å | +0.9 Å |
| 2085. | 0.215 | 0.215 | 0.215 | 0.222 | 0.233 | 0.244 | 0.253 | 0.261 | 0.259 | 0.255 |
| 6. | 0.250 | 0.252 | 0.257 | 0.261 | 0.261 | 0.252 | 0.242 | 0.229 | 0.217 | 0.209 |
| 7. | 0.206 | 0.211 | 0.221 | 0.235 | 0.247 | 0.258 | 0.272 | 0.289 | 0.304 | 0.308 |
| 8. | 0.313 | 0.308 | 0.292 | 0.274 | 0.257 | 0.242 | 0.226 | 0.215 | 0.212 | 0.215 |
| 9. | 0.227 | 0.239 | 0.247 | 0.252 | 0.255 | 0.252 | 0.245 | 0.234 | 0.227 | 0.223 |
| 2090. | 0.228 | 0.238 | 0.243 | 0.246 | 0.250 | 0.254 | 0.259 | 0.262 | 0.264 | 0.268 |
| 1. | 0.274 | 0.279 | 0.279 | 0.274 | 0.263 | 0.247 | 0.238 | 0.239 | 0.246 | 0.255 |
| 2. | 0.268 | 0.283 | 0.296 | 0.309 | 0.322 | 0.341 | 0.354 | 0.359 | 0.355 | 0.347 |
| 3. | 0.336 | 0.317 | 0.288 | 0.264 | 0.243 | 0.229 | 0.218 | 0.218 | 0.221 | 0.231 |
| 4. | 0.246 | 0.261 | 0.271 | 0.274 | 0.272 | 0.270 | 0.270 | 0.269 | 0.271 | 0.276 |
| 5. | 0.285 | 0.298 | 0.316 | 0.328 | 0.336 | 0.341 | 0.340 | 0.334 | 0.329 | 0.324 |
| 6. | 0.318 | 0.312 | 0.304 | 0.296 | 0.290 | 0.285 | 0.282 | 0.285 | 0.291 | 0.298 |
| 7. | 0.312 | 0.321 | 0.326 | 0.328 | 0.332 | 0.345 | 0.359 | 0.368 | 0.369 | 0.362 |
| 8. | 0.359 | 0.361 | 0.359 | 0.347 | 0.330 | 0.313 | 0.299 | 0.290 | 0.286 | 0.293 |
| 9. | 0.300 | 0.303 | 0.303 | 0.294 | 0.287 | 0.277 | 0.267 | 0.260 | 0.258 | 0.257 |
| 2100. | 0.275 | 0.292 | 0.303 | 0.311 | 0.314 | 0.317 | 0.326 | 0.336 | 0.348 | 0.365 |
| 1. | 0.382 | 0.398 | 0.412 | 0.429 | 0.448 | 0.471 | 0.491 | 0.494 | 0.470 | 0.434 |
| 2. | 0.398 | 0.369 | 0.349 | 0.335 | 0.326 | 0.320 | 0.308 | 0.286 | 0.268 | 0.255 |
| 3. | 0.247 | 0.247 | 0.251 | 0.255 | 0.263 | 0.272 | 0.285 | 0.301 | 0.317 | 0.336 |
| 4. | 0.355 | 0.372 | 0.384 | 0.393 | 0.403 | 0.419 | 0.433 | 0.449 | 0.458 | 0.463 |
| 5. | 0.471 | 0.475 | 0.478 | 0.478 | 0.475 | 0.463 | 0.442 | 0.424 | 0.405 | 0.387 |
| 6. | 0.373 | 0.362 | 0.356 | 0.366 | 0.385 | 0.409 | 0.425 | 0.430 | 0.426 | 0.422 |
| 7. | 0.414 | 0.410 | 0.416 | 0.419 | 0.425 | 0.425 | 0.412 | 0.389 | 0.367 | 0.347 |
| 8. | 0.329 | 0.312 | 0.299 | 0.288 | 0.274 | 0.265 | 0.257 | 0.256 | 0.261 | 0.274 |
| 9. | 0.288 | 0.306 | 0.322 | 0.328 | 0.325 | 0.318 | 0.308 | 0.300 | 0.292 | 0.285 |
| 2110. | 0.284 | 0.287 | 0.296 | 0.306 | 0.323 | 0.337 | 0.353 | 0.373 | 0.390 | 0.407 |
| 1. | 0.423 | 0.434 | 0.432 | 0.434 | 0.439 | 0.445 | 0.456 | 0.472 | 0.495 | 0.515 |
| 2. | 0.533 | 0.550 | 0.545 | 0.527 | 0.480 | 0.419 | 0.376 | 0.349 | 0.328 | 0.316 |
| 3. | 0.314 | 0.322 | 0.333 | 0.348 | 0.368 | 0.389 | 0.409 | 0.423 | 0.437 | 0.446 |
| 4. | 0.436 | 0.408 | 0.362 | 0.334 | 0.307 | 0.290 | 0.281 | 0.272 | 0.274 | 0.283 |
| 5. | 0.300 | 0.328 | 0.354 | 0.377 | 0.402 | 0.429 | 0.450 | 0.461 | 0.470 | 0.478 |
| 6. | 0.490 | 0.502 | 0.512 | 0.521 | 0.532 | 0.540 | 0.530 | 0.524 | 0.519 | 0.517 |
| 7. | 0.523 | 0.534 | 0.542 | 0.549 | 0.557 | 0.546 | 0.521 | 0.493 | 0.464 | 0.441 |
| 8. | 0.418 | 0.399 | 0.379 | 0.374 | 0.383 | 0.401 | 0.419 | 0.437 | 0.459 | 0.473 |
| 9. | 0.463 | 0.455 | 0.457 | 0.487 | 0.524 | 0.555 | 0.582 | 0.590 | 0.585 | 0.589 |

[a]These values should be multiplied by $10^{12}$

**Table 3. (Cont'd)**

| Wavelength, Å | Intensity,[a] photons/cm² sec Å | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | +0.0 Å | +0.1 Å | +0.2 Å | +0.3 Å | +0.4 Å | +0.5 Å | +0.6 Å | +0.7 Å | +0.8 Å | +0.9 Å |
| 2120. | 0.610 | 0.624 | 0.636 | 0.639 | 0.619 | 0.584 | 0.534 | 0.509 | 0.488 | 0.447 |
| 1. | 0.419 | 0.400 | 0.394 | 0.388 | 0.389 | 0.390 | 0.391 | 0.391 | 0.392 | 0.396 |
| 2. | 0.397 | 0.398 | 0.399 | 0.403 | 0.398 | 0.386 | 0.370 | 0.350 | 0.329 | 0.312 |
| 3. | 0.295 | 0.285 | 0.272 | 0.266 | 0.263 | 0.254 | 0.244 | 0.237 | 0.227 | 0.218 |
| 4. | 0.214 | 0.222 | 0.231 | 0.240 | 0.249 | 0.258 | 0.268 | 0.280 | 0.291 | 0.301 |
| 5. | 0.314 | 0.327 | 0.341 | 0.355 | 0.371 | 0.384 | 0.391 | 0.389 | 0.392 | 0.403 |
| 6. | 0.422 | 0.444 | 0.468 | 0.488 | 0.500 | 0.499 | 0.492 | 0.484 | 0.463 | 0.452 |
| 7. | 0.446 | 0.442 | 0.444 | 0.448 | 0.458 | 0.461 | 0.454 | 0.452 | 0.455 | 0.463 |
| 8. | 0.469 | 0.462 | 0.448 | 0.440 | 0.438 | 0.447 | 0.458 | 0.472 | 0.491 | 0.511 |
| 9. | 0.522 | 0.509 | 0.484 | 0.454 | 0.416 | 0.379 | 0.352 | 0.324 | 0.313 | 0.313 |
| 2130. | 0.325 | 0.334 | 0.334 | 0.330 | 0.336 | 0.348 | 0.361 | 0.373 | 0.371 | 0.370 |
| 1. | 0.375 | 0.391 | 0.406 | 0.421 | 0.438 | 0.453 | 0.455 | 0.446 | 0.420 | 0.393 |
| 2. | 0.375 | 0.361 | 0.352 | 0.348 | 0.353 | 0.357 | 0.375 | 0.392 | 0.411 | 0.435 |
| 3. | 0.467 | 0.492 | 0.492 | 0.481 | 0.473 | 0.471 | 0.476 | 0.479 | 0.455 | 0.430 |
| 4. | 0.411 | 0.390 | 0.373 | 0.356 | 0.345 | 0.334 | 0.324 | 0.327 | 0.340 | 0.352 |
| 5. | 0.362 | 0.371 | 0.373 | 0.378 | 0.403 | 0.429 | 0.444 | 0.445 | 0.426 | 0.410 |
| 6. | 0.400 | 0.395 | 0.395 | 0.408 | 0.430 | 0.459 | 0.491 | 0.521 | 0.545 | 0.572 |
| 7. | 0.593 | 0.598 | 0.599 | 0.596 | 0.587 | 0.571 | 0.544 | 0.506 | 0.459 | 0.428 |
| 8. | 0.410 | 0.398 | 0.383 | 0.363 | 0.341 | 0.317 | 0.307 | 0.308 | 0.322 | 0.344 |
| 9. | 0.357 | 0.361 | 0.362 | 0.364 | 0.368 | 0.365 | 0.357 | 0.361 | 0.373 | 0.385 |
| 2140. | 0.453 | 0.480 | 0.523 | 0.573 | 0.594 | 0.613 | 0.640 | 0.671 | 0.694 | 0.710 |
| 1. | 0.720 | 0.719 | 0.707 | 0.679 | 0.642 | 0.608 | 0.575 | 0.550 | 0.538 | 0.538 |
| 2. | 0.552 | 0.558 | 0.556 | 0.548 | 0.551 | 0.566 | 0.576 | 0.583 | 0.584 | 0.584 |
| 3. | 0.589 | 0.623 | 0.623 | 0.621 | 0.617 | 0.624 | 0.627 | 0.638 | 0.640 | 0.631 |
| 4. | 0.611 | 0.575 | 0.546 | 0.538 | 0.532 | 0.534 | 0.539 | 0.545 | 0.548 | 0.544 |
| 5. | 0.523 | 0.500 | 0.474 | 0.449 | 0.439 | 0.450 | 0.461 | 0.460 | 0.450 | 0.444 |
| 6. | 0.453 | 0.466 | 0.480 | 0.489 | 0.487 | 0.476 | 0.453 | 0.439 | 0.432 | 0.431 |
| 7. | 0.438 | 0.452 | 0.469 | 0.483 | 0.490 | 0.477 | 0.468 | 0.472 | 0.489 | 0.508 |
| 8. | 0.526 | 0.539 | 0.541 | 0.537 | 0.529 | 0.525 | 0.542 | 0.567 | 0.587 | 0.565 |
| 9. | 0.536 | 0.538 | 0.560 | 0.577 | 0.612 | 0.651 | 0.683 | 0.702 | 0.696 | 0.669 |

[a]These values should be multiplied by $10^{12}$

**Table 3. (Cont'd)**

| Wavelength, Å | Intensity,[a] photons/cm² sec Å | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | +0.0 Å | +0.1 Å | +0.2 Å | +0.3 Å | +0.4 Å | +0.5 Å | +0.6 Å | +0.7 Å | +0.8 Å | +0.9 Å |
| 2150. | 0.633 | 0.580 | 0.516 | 0.437 | 0.394 | 0.371 | 0.351 | 0.342 | 0.349 | 0.371 |
| 1. | 0.411 | 0.465 | 0.499 | 0.515 | 0.521 | 0.512 | 0.498 | 0.486 | 0.479 | 0.483 |
| 2. | 0.498 | 0.498 | 0.490 | 0.496 | 0.511 | 0.532 | 0.548 | 0.549 | 0.541 | 0.543 |
| 3. | 0.567 | 0.602 | 0.655 | 0.736 | 0.760 | 0.763 | 0.744 | 0.691 | 0.613 | 0.564 |
| 4. | 0.536 | 0.519 | 0.503 | 0.498 | 0.497 | 0.511 | 0.525 | 0.534 | 0.534 | 0.521 |
| 5. | 0.503 | 0.495 | 0.492 | 0.496 | 0.503 | 0.510 | 0.505 | 0.487 | 0.471 | 0.463 |
| 6. | 0.475 | 0.487 | 0.503 | 0.495 | 0.467 | 0.447 | 0.425 | 0.422 | 0.404 | 0.388 |
| 7. | 0.371 | 0.360 | 0.357 | 0.366 | 0.371 | 0.372 | 0.363 | 0.354 | 0.353 | 0.355 |
| 8. | 0.363 | 0.361 | 0.351 | 0.344 | 0.338 | 0.331 | 0.327 | 0.329 | 0.335 | 0.349 |
| 9. | 0.370 | 0.389 | 0.402 | 0.411 | 0.416 | 0.419 | 0.415 | 0.420 | 0.439 | 0.477 |
| 2160. | 0.463 | 0.512 | 0.549 | 0.579 | 0.603 | 0.635 | 0.660 | 0.660 | 0.639 | 0.600 |
| 1. | 0.575 | 0.544 | 0.545 | 0.547 | 0.555 | 0.563 | 0.580 | 0.587 | 0.573 | 0.548 |
| 2. | 0.515 | 0.480 | 0.458 | 0.458 | 0.475 | 0.505 | 0.548 | 0.589 | 0.620 | 0.631 |
| 3. | 0.635 | 0.625 | 0.588 | 0.524 | 0.489 | 0.465 | 0.455 | 0.453 | 0.462 | 0.489 |
| 4. | 0.535 | 0.546 | 0.529 | 0.512 | 0.502 | 0.515 | 0.532 | 0.572 | 0.593 | 0.587 |
| 5. | 0.558 | 0.506 | 0.460 | 0.421 | 0.386 | 0.366 | 0.359 | 0.357 | 0.358 | 0.359 |
| 6. | 0.361 | 0.358 | 0.350 | 0.338 | 0.325 | 0.308 | 0.296 | 0.285 | 0.283 | 0.293 |
| 7. | 0.304 | 0.320 | 0.340 | 0.364 | 0.386 | 0.409 | 0.439 | 0.467 | 0.495 | 0.520 |
| 8. | 0.540 | 0.546 | 0.539 | 0.530 | 0.521 | 0.500 | 0.465 | 0.429 | 0.400 | 0.384 |
| 9. | 0.375 | 0.377 | 0.394 | 0.405 | 0.406 | 0.410 | 0.411 | 0.422 | 0.445 | 0.476 |
| 2170. | 0.514 | 0.548 | 0.576 | 0.595 | 0.598 | 0.584 | 0.565 | 0.541 | 0.504 | 0.464 |
| 1. | 0.437 | 0.428 | 0.423 | 0.447 | 0.481 | 0.532 | 0.556 | 0.570 | 0.575 | 0.573 |
| 2. | 0.569 | 0.566 | 0.561 | 0.564 | 0.570 | 0.561 | 0.539 | 0.526 | 0.530 | 0.515 |
| 3. | 0.500 | 0.487 | 0.480 | 0.479 | 0.487 | 0.497 | 0.501 | 0.485 | 0.466 | 0.442 |
| 4. | 0.429 | 0.421 | 0.418 | 0.410 | 0.401 | 0.391 | 0.379 | 0.370 | 0.374 | 0.391 |
| 5. | 0.409 | 0.420 | 0.429 | 0.447 | 0.472 | 0.495 | 0.513 | 0.518 | 0.521 | 0.524 |
| 6. | 0.526 | 0.533 | 0.550 | 0.563 | 0.563 | 0.551 | 0.522 | 0.487 | 0.477 | 0.460 |
| 7. | 0.445 | 0.437 | 0.418 | 0.410 | 0.405 | 0.403 | 0.404 | 0.400 | 0.384 | 0.371 |
| 8. | 0.366 | 0.374 | 0.392 | 0.419 | 0.455 | 0.498 | 0.547 | 0.580 | 0.604 | 0.643 |
| 9. | 0.670 | 0.681 | 0.690 | 0.710 | 0.739 | 0.766 | 0.779 | 0.753 | 0.731 | 0.720 |

[a]These values should be multiplied by $10^{12}$

**Table 3. (Cont'd)**

| Wavelength, Å | Intensity,[a] photons/cm² sec Å | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | +0.0 Å | +0.1 Å | +0.2 Å | +0.3 Å | +0.4 Å | +0.5 Å | +0.6 Å | +0.7 Å | +0.8 Å | +0.9 Å |
| 2180. | 0.651 | 0.647 | 0.641 | 0.656 | 0.688 | 0.716 | 0.734 | 0.744 | 0.743 | 0.742 |
| 1. | 0.732 | 0.712 | 0.689 | 0.671 | 0.648 | 0.678 | 0.726 | 0.772 | 0.795 | 0.796 |
| 2. | 0.783 | 0.766 | 0.758 | 0.753 | 0.769 | 0.776 | 0.782 | 0.785 | 0.770 | 0.732 |
| 3. | 0.685 | 0.625 | 0.570 | 0.522 | 0.492 | 0.477 | 0.467 | 0.476 | 0.498 | 0.521 |
| 4. | 0.539 | 0.544 | 0.543 | 0.544 | 0.553 | 0.576 | 0.617 | 0.707 | 0.727 | 0.742 |
| 5. | 0.756 | 0.774 | 0.804 | 0.827 | 0.834 | 0.826 | 0.810 | 0.785 | 0.749 | 0.698 |
| 6. | 0.629 | 0.557 | 0.489 | 0.434 | 0.407 | 0.378 | 0.359 | 0.347 | 0.343 | 0.345 |
| 7. | 0.351 | 0.360 | 0.393 | 0.432 | 0.477 | 0.535 | 0.574 | 0.595 | 0.606 | 0.628 |
| 8. | 0.657 | 0.694 | 0.715 | 0.704 | 0.676 | 0.623 | 0.575 | 0.537 | 0.497 | 0.471 |
| 9. | 0.464 | 0.461 | 0.466 | 0.480 | 0.516 | 0.559 | 0.620 | 0.683 | 0.723 | 0.730 |
| 2190. | 0.712 | 0.692 | 0.687 | 0.696 | 0.680 | 0.652 | 0.629 | 0.625 | 0.619 | 0.619 |
| 1. | 0.619 | 0.610 | 0.590 | 0.567 | 0.542 | 0.488 | 0.460 | 0.459 | 0.474 | 0.490 |
| 2. | 0.523 | 0.549 | 0.594 | 0.641 | 0.704 | 0.772 | 0.853 | 0.916 | 0.941 | 0.943 |
| 3. | 0.921 | 0.883 | 0.807 | 0.748 | 0.728 | 0.731 | 0.763 | 0.798 | 0.820 | 0.827 |
| 4. | 0.803 | 0.772 | 0.722 | 0.674 | 0.639 | 0.609 | 0.596 | 0.590 | 0.589 | 0.590 |
| 5. | 0.590 | 0.588 | 0.567 | 0.548 | 0.527 | 0.505 | 0.481 | 0.467 | 0.455 | 0.446 |
| 6. | 0.464 | 0.493 | 0.529 | 0.563 | 0.594 | 0.616 | 0.636 | 0.640 | 0.640 | 0.641 |
| 7. | 0.641 | 0.650 | 0.681 | 0.713 | 0.724 | 0.747 | 0.779 | 0.797 | 0.829 | 0.857 |
| 8. | 0.852 | 0.798 | 0.782 | 0.784 | 0.765 | 0.751 | 0.757 | 0.767 | 0.784 | 0.781 |
| 9. | 0.783 | 0.783 | 0.773 | 0.757 | 0.732 | 0.709 | 0.661 | 0.604 | 0.576 | 0.544 |
| 2200. | 0.496 | 0.449 | 0.414 | 0.398 | 0.406 | 0.421 | 0.442 | 0.463 | 0.480 | 0.488 |
| 1. | 0.485 | 0.488 | 0.506 | 0.542 | 0.590 | 0.639 | 0.718 | 0.782 | 0.804 | 0.812 |
| 2. | 0.783 | 0.744 | 0.738 | 0.758 | 0.784 | 0.817 | 0.841 | 0.862 | 0.883 | 0.902 |
| 3. | 0.903 | 0.888 | 0.867 | 0.849 | 0.849 | 0.867 | 0.869 | 0.838 | 0.802 | 0.780 |
| 4. | 0.768 | 0.752 | 0.712 | 0.657 | 0.622 | 0.638 | 0.713 | 0.757 | 0.812 | 0.855 |
| 5. | 0.879 | 0.873 | 0.843 | 0.812 | 0.796 | 0.773 | 0.730 | 0.693 | 0.666 | 0.651 |
| 6. | 0.636 | 0.622 | 0.602 | 0.581 | 0.565 | 0.571 | 0.600 | 0.631 | 0.659 | 0.665 |
| 7. | 0.671 | 0.668 | 0.650 | 0.613 | 0.553 | 0.487 | 0.451 | 0.441 | 0.447 | 0.467 |
| 8. | 0.488 | 0.500 | 0.512 | 0.531 | 0.555 | 0.586 | 0.625 | 0.669 | 0.694 | 0.701 |
| 9. | 0.703 | 0.695 | 0.677 | 0.643 | 0.588 | 0.538 | 0.498 | 0.459 | 0.441 | 0.419 |

[a]These values should be multiplied by $10^{12}$

**Table 3. (Cont'd)**

| Wavelength, Å | Intensity,[a] photons/cm² sec Å | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | +0.0 Å | +0.1 Å | +0.2 Å | +0.3 Å | +0.4 Å | +0.5 Å | +0.6 Å | +0.7 Å | +0.8 Å | +0.9 Å |
| 2210. | 0.411 | 0.396 | 0.395 | 0.392 | 0.377 | 0.362 | 0.354 | 0.346 | 0.356 | 0.366 |
| 1. | 0.374 | 0.391 | 0.404 | 0.413 | 0.427 | 0.442 | 0.453 | 0.463 | 0.477 | 0.498 |
| 2. | 0.527 | 0.570 | 0.618 | 0.684 | 0.724 | 0.768 | 0.806 | 0.819 | 0.832 | 0.835 |
| 3. | 0.832 | 0.816 | 0.763 | 0.699 | 0.647 | 0.610 | 0.588 | 0.575 | 0.573 | 0.589 |
| 4. | 0.604 | 0.618 | 0.636 | 0.661 | 0.690 | 0.723 | 0.750 | 0.772 | 0.760 | 0.724 |
| 5. | 0.694 | 0.679 | 0.668 | 0.649 | 0.624 | 0.605 | 0.599 | 0.593 | 0.564 | 0.534 |
| 6. | 0.499 | 0.464 | 0.425 | 0.396 | 0.381 | 0.373 | 0.377 | 0.389 | 0.414 | 0.434 |
| 7. | 0.451 | 0.458 | 0.474 | 0.492 | 0.501 | 0.490 | 0.480 | 0.469 | 0.459 | 0.457 |
| 8. | 0.460 | 0.476 | 0.511 | 0.565 | 0.619 | 0.639 | 0.640 | 0.639 | 0.644 | 0.678 |
| 9. | 0.726 | 0.763 | 0.794 | 0.823 | 0.838 | 0.835 | 0.802 | 0.770 | 0.745 | 0.735 |
| 2220. | 0.697 | 0.686 | 0.691 | 0.711 | 0.738 | 0.768 | 0.795 | 0.823 | 0.827 | 0.814 |
| 1. | 0.810 | 0.818 | 0.849 | 0.870 | 0.866 | 0.848 | 0.818 | 0.785 | 0.762 | 0.753 |
| 2. | 0.766 | 0.787 | 0.803 | 0.803 | 0.768 | 0.717 | 0.666 | 0.613 | 0.570 | 0.575 |
| 3. | 0.602 | 0.627 | 0.646 | 0.656 | 0.671 | 0.699 | 0.753 | 0.820 | 0.854 | 0.880 |
| 4. | 0.880 | 0.847 | 0.794 | 0.776 | 0.755 | 0.719 | 0.673 | 0.626 | 0.618 | 0.631 |
| 5. | 0.675 | 0.712 | 0.756 | 0.784 | 0.804 | 0.806 | 0.789 | 0.766 | 0.745 | 0.733 |
| 6. | 0.720 | 0.685 | 0.662 | 0.636 | 0.625 | 0.638 | 0.666 | 0.684 | 0.687 | 0.668 |
| 7. | 0.640 | 0.620 | 0.612 | 0.617 | 0.634 | 0.651 | 0.658 | 0.652 | 0.653 | 0.671 |
| 8. | 0.701 | 0.756 | 0.801 | 0.841 | 0.867 | 0.867 | 0.835 | 0.799 | 0.780 | 0.782 |
| 9. | 0.786 | 0.791 | 0.788 | 0.771 | 0.743 | 0.719 | 0.716 | 0.725 | 0.734 | 0.745 |
| 2230. | 0.739 | 0.721 | 0.708 | 0.708 | 0.709 | 0.699 | 0.670 | 0.637 | 0.608 | 0.582 |
| 1. | 0.565 | 0.556 | 0.567 | 0.600 | 0.657 | 0.732 | 0.802 | 0.856 | 0.896 | 0.916 |
| 2. | 0.929 | 0.947 | 0.972 | 1.000 | 1.045 | 1.064 | 1.069 | 1.079 | 1.105 | 1.146 |
| 3. | 1.194 | 1.241 | 1.264 | 1.262 | 1.220 | 1.170 | 1.105 | 1.026 | 0.974 | 0.929 |
| 4. | 0.896 | 0.886 | 0.914 | 0.950 | 0.961 | 0.972 | 0.983 | 1.006 | 1.062 | 1.090 |
| 5. | 1.115 | 1.126 | 1.126 | 1.108 | 1.082 | 1.067 | 1.081 | 1.116 | 1.131 | 1.117 |
| 6. | 1.079 | 1.035 | 1.008 | 0.992 | 0.967 | 0.895 | 0.871 | 0.882 | 0.911 | 0.943 |
| 7. | 0.976 | 1.041 | 1.036 | 1.000 | 0.943 | 0.882 | 0.836 | 0.815 | 0.817 | 0.830 |
| 8. | 0.832 | 0.817 | 0.780 | 0.745 | 0.732 | 0.741 | 0.762 | 0.786 | 0.817 | 0.855 |
| 9. | 0.900 | 0.962 | 1.010 | 1.107 | 1.150 | 1.133 | 1.116 | 1.108 | 1.105 | 1.090 |

[a]These values should be multiplied by $10^{12}$

**Table 3. (Cont'd)**

| Wavelength, Å | Intensity,[a] photons/cm² sec Å | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | +0.0 Å | +0.1 Å | +0.2 Å | +0.3 Å | +0.4 Å | +0.5 Å | +0.6 Å | +0.7 Å | +0.8 Å | +0.9 Å |
| 2240. | 1.062 | 0.986 | 0.914 | 0.852 | 0.814 | 0.798 | 0.798 | 0.820 | 0.835 | 0.843 |
| 1. | 0.828 | 0.788 | 0.747 | 0.723 | 0.722 | 0.735 | 0.751 | 0.762 | 0.755 | 0.749 |
| 2. | 0.761 | 0.792 | 0.823 | 0.825 | 0.809 | 0.777 | 0.753 | 0.762 | 0.786 | 0.807 |
| 3. | 0.816 | 0.810 | 0.798 | 0.784 | 0.754 | 0.726 | 0.708 | 0.694 | 0.689 | 0.694 |
| 4. | 0.704 | 0.703 | 0.679 | 0.658 | 0.645 | 0.650 | 0.682 | 0.722 | 0.770 | 0.820 |
| 5. | 0.872 | 0.927 | 0.957 | 0.984 | 1.006 | 1.007 | 0.987 | 0.938 | 0.888 | 0.855 |
| 6. | 0.854 | 0.870 | 0.868 | 0.859 | 0.848 | 0.866 | 0.936 | 0.995 | 1.001 | 1.000 |
| 7. | 0.995 | 1.000 | 1.019 | 1.046 | 1.080 | 1.109 | 1.116 | 1.125 | 1.139 | 1.144 |
| 8. | 1.119 | 1.077 | 1.032 | 0.982 | 0.912 | 0.844 | 0.793 | 0.742 | 0.690 | 0.657 |
| 9. | 0.646 | 0.652 | 0.675 | 0.727 | 0.798 | 0.860 | 0.889 | 0.884 | 0.856 | 0.818 |
| 2250. | 0.772 | 0.755 | 0.775 | 0.825 | 0.866 | 0.856 | 0.835 | 0.804 | 0.760 | 0.716 |
| 1. | 0.692 | 0.675 | 0.677 | 0.692 | 0.712 | 0.716 | 0.716 | 0.732 | 0.774 | 0.817 |
| 2. | 0.880 | 0.942 | 0.990 | 1.025 | 1.047 | 1.027 | 0.968 | 0.907 | 0.837 | 0.751 |
| 3. | 0.697 | 0.661 | 0.651 | 0.647 | 0.630 | 0.608 | 0.582 | 0.570 | 0.572 | 0.606 |
| 4. | 0.671 | 0.749 | 0.857 | 0.938 | 0.975 | 0.960 | 0.898 | 0.827 | 0.816 | 0.814 |
| 5. | 0.801 | 0.776 | 0.767 | 0.768 | 0.764 | 0.749 | 0.718 | 0.676 | 0.644 | 0.628 |
| 6. | 0.625 | 0.622 | 0.635 | 0.661 | 0.692 | 0.718 | 0.742 | 0.764 | 0.786 | 0.817 |
| 7. | 0.880 | 0.933 | 0.949 | 0.935 | 0.891 | 0.820 | 0.766 | 0.713 | 0.673 | 0.643 |
| 8. | 0.633 | 0.656 | 0.697 | 0.745 | 0.814 | 0.916 | 0.943 | 0.939 | 0.949 | 0.972 |
| 9. | 0.964 | 0.874 | 0.768 | 0.694 | 0.655 | 0.625 | 0.608 | 0.595 | 0.585 | 0.578 |
| 2260. | 0.588 | 0.569 | 0.563 | 0.573 | 0.585 | 0.601 | 0.616 | 0.613 | 0.611 | 0.619 |
| 1. | 0.647 | 0.679 | 0.705 | 0.716 | 0.714 | 0.708 | 0.712 | 0.737 | 0.771 | 0.807 |
| 2. | 0.831 | 0.838 | 0.836 | 0.818 | 0.791 | 0.749 | 0.716 | 0.690 | 0.698 | 0.711 |
| 3. | 0.705 | 0.679 | 0.646 | 0.617 | 0.603 | 0.595 | 0.613 | 0.645 | 0.706 | 0.755 |
| 4. | 0.769 | 0.717 | 0.649 | 0.605 | 0.558 | 0.535 | 0.528 | 0.530 | 0.535 | 0.541 |
| 5. | 0.551 | 0.559 | 0.567 | 0.576 | 0.580 | 0.579 | 0.571 | 0.558 | 0.547 | 0.541 |
| 6. | 0.544 | 0.558 | 0.576 | 0.595 | 0.611 | 0.623 | 0.636 | 0.641 | 0.619 | 0.590 |
| 7. | 0.557 | 0.528 | 0.516 | 0.507 | 0.506 | 0.514 | 0.535 | 0.571 | 0.592 | 0.614 |
| 8. | 0.629 | 0.624 | 0.610 | 0.592 | 0.571 | 0.549 | 0.527 | 0.508 | 0.492 | 0.478 |
| 9. | 0.468 | 0.473 | 0.491 | 0.526 | 0.556 | 0.585 | 0.599 | 0.613 | 0.617 | 0.607 |

[a]These values should be multiplied by $10^{12}$

**Table 3. (Cont'd)**

| Wavelength, Å | Intensity,[a] photons/cm² sec Å | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | +0.0 Å | +0.1 Å | +0.2 Å | +0.3 Å | +0.4 Å | +0.5 Å | +0.6 Å | +0.7 Å | +0.8 Å | +0.9 Å |
| 2270. | 0.581 | 0.550 | 0.519 | 0.502 | 0.494 | 0.503 | 0.516 | 0.532 | 0.545 | 0.561 |
| 1. | 0.575 | 0.592 | 0.607 | 0.617 | 0.625 | 0.616 | 0.604 | 0.583 | 0.562 | 0.552 |
| 2. | 0.549 | 0.557 | 0.578 | 0.602 | 0.631 | 0.648 | 0.651 | 0.643 | 0.634 | 0.641 |
| 3. | 0.658 | 0.676 | 0.686 | 0.670 | 0.635 | 0.598 | 0.569 | 0.538 | 0.521 | 0.506 |
| 4. | 0.519 | 0.546 | 0.592 | 0.617 | 0.630 | 0.627 | 0.627 | 0.670 | 0.724 | 0.759 |
| 5. | 0.739 | 0.704 | 0.651 | 0.604 | 0.581 | 0.562 | 0.549 | 0.537 | 0.529 | 0.532 |
| 6. | 0.551 | 0.577 | 0.604 | 0.632 | 0.665 | 0.696 | 0.726 | 0.759 | 0.787 | 0.784 |
| 7. | 0.762 | 0.738 | 0.723 | 0.709 | 0.696 | 0.691 | 0.696 | 0.714 | 0.738 | 0.769 |
| 8. | 0.789 | 0.785 | 0.766 | 0.745 | 0.728 | 0.719 | 0.708 | 0.709 | 0.747 | 0.807 |
| 9. | 0.857 | 0.872 | 0.855 | 0.813 | 0.737 | 0.666 | 0.626 | 0.598 | 0.583 | 0.584 |
| 2280. | 0.606 | 0.633 | 0.696 | 0.788 | 0.872 | 0.935 | 0.962 | 0.947 | 0.932 | 0.908 |
| 1. | 0.893 | 0.900 | 0.917 | 0.935 | 0.949 | 0.944 | 0.932 | 0.922 | 0.938 | 0.978 |
| 2. | 1.021 | 1.040 | 1.058 | 1.071 | 1.047 | 1.012 | 0.967 | 0.890 | 0.815 | 0.754 |
| 3. | 0.706 | 0.691 | 0.706 | 0.717 | 0.718 | 0.733 | 0.762 | 0.777 | 0.746 | 0.733 |
| 4. | 0.728 | 0.747 | 0.783 | 0.835 | 0.884 | 0.921 | 0.940 | 0.940 | 0.937 | 0.953 |
| 5. | 1.015 | 1.087 | 1.114 | 1.096 | 1.076 | 1.059 | 1.005 | 0.932 | 0.853 | 0.780 |
| 6. | 0.716 | 0.653 | 0.632 | 0.644 | 0.671 | 0.695 | 0.690 | 0.651 | 0.599 | 0.546 |
| 7. | 0.505 | 0.495 | 0.492 | 0.504 | 0.523 | 0.549 | 0.596 | 0.638 | 0.738 | 0.781 |
| 8. | 0.320 | 0.847 | 0.872 | 0.891 | 0.907 | 0.900 | 0.849 | 0.805 | 0.775 | 0.768 |
| 9. | 0.766 | 0.766 | 0.768 | 0.767 | 0.738 | 0.690 | 0.647 | 0.613 | 0.605 | 0.607 |
| 2290. | 0.632 | 0.666 | 0.692 | 0.691 | 0.680 | 0.658 | 0.635 | 0.624 | 0.617 | 0.621 |
| 1. | 0.623 | 0.633 | 0.683 | 0.728 | 0.748 | 0.756 | 0.757 | 0.752 | 0.744 | 0.755 |
| 2. | 0.757 | 0.750 | 0.738 | 0.723 | 0.720 | 0.746 | 0.781 | 0.813 | 0.843 | 0.856 |
| 3. | 0.831 | 0.786 | 0.763 | 0.782 | 0.799 | 0.803 | 0.797 | 0.773 | 0.737 | 0.713 |
| 4. | 0.698 | 0.703 | 0.726 | 0.744 | 0.752 | 0.739 | 0.744 | 0.769 | 0.783 | 0.786 |
| 5. | 0.785 | 0.790 | 0.814 | 0.876 | 0.961 | 1.039 | 1.061 | 1.038 | 1.000 | 0.950 |
| 6. | 0.882 | 0.814 | 0.735 | 0.654 | 0.620 | 0.601 | 0.590 | 0.581 | 0.569 | 0.556 |
| 7. | 0.548 | 0.557 | 0.568 | 0.564 | 0.548 | 0.531 | 0.509 | 0.485 | 0.466 | 0.451 |
| 8. | 0.443 | 0.445 | 0.466 | 0.496 | 0.530 | 0.565 | 0.594 | 0.607 | 0.603 | 0.599 |
| 9. | 0.598 | 0.602 | 0.613 | 0.624 | 0.655 | 0.673 | 0.659 | 0.638 | 0.618 | 0.598 |

[a]These values should be multiplied by $10^{12}$

**Table 3. (Cont'd)**

| Wavelength, Å | Intensity,[a] photons/cm² sec Å | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | +0.0 Å | +0.1 Å | +0.2 Å | +0.3 Å | +0.4 Å | +0.5 Å | +0.6 Å | +0.7 Å | +0.8 Å | +0.9 Å |
| 2300. | 0.584 | 0.566 | 0.554 | 0.554 | 0.566 | 0.580 | 0.596 | 0.611 | 0.626 | 0.653 |
| 1. | 0.681 | 0.695 | 0.699 | 0.686 | 0.685 | 0.702 | 0.731 | 0.759 | 0.812 | 0.863 |
| 2. | 0.909 | 0.948 | 0.957 | 0.946 | 0.916 | 0.865 | 0.758 | 0.655 | 0.594 | 0.556 |
| 3. | 0.542 | 0.534 | 0.538 | 0.547 | 0.563 | 0.599 | 0.640 | 0.691 | 0.744 | 0.778 |
| 4. | 0.810 | 0.833 | 0.852 | 0.859 | 0.848 | 0.830 | 0.812 | 0.797 | 0.789 | 0.802 |
| 5. | 0.847 | 0.903 | 0.955 | 1.007 | 1.052 | 1.098 | 1.129 | 1.145 | 1.159 | 1.164 |
| 6. | 1.151 | 1.105 | 1.067 | 1.044 | 1.040 | 1.043 | 1.080 | 1.131 | 1.136 | 1.086 |
| 7. | 1.002 | 0.940 | 0.922 | 0.945 | 0.921 | 0.905 | 0.878 | 0.859 | 0.850 | 0.875 |
| 8. | 0.913 | 0.939 | 0.917 | 0.890 | 0.864 | 0.835 | 0.806 | 0.772 | 0.737 | 0.713 |
| 9. | 0.719 | 0.732 | 0.741 | 0.737 | 0.710 | 0.676 | 0.670 | 0.693 | 0.713 | 0.732 |
| 2310. | 0.750 | 0.758 | 0.748 | 0.734 | 0.709 | 0.661 | 0.587 | 0.523 | 0.492 | 0.475 |
| 1. | 0.473 | 0.488 | 0.508 | 0.539 | 0.569 | 0.595 | 0.620 | 0.632 | 0.600 | 0.571 |
| 2. | 0.532 | 0.507 | 0.498 | 0.503 | 0.519 | 0.542 | 0.568 | 0.592 | 0.603 | 0.580 |
| 3. | 0.563 | 0.559 | 0.573 | 0.568 | 0.549 | 0.523 | 0.505 | 0.503 | 0.514 | 0.540 |
| 4. | 0.597 | 0.661 | 0.739 | 0.809 | 0.903 | 0.930 | 0.932 | 0.908 | 0.897 | 0.934 |
| 5. | 1.001 | 1.073 | 1.138 | 1.170 | 1.139 | 1.068 | 0.985 | 0.884 | 0.785 | 0.728 |
| 6. | 0.717 | 0.743 | 0.791 | 0.843 | 0.904 | 0.949 | 0.945 | 0.890 | 0.795 | 0.702 |
| 7. | 0.661 | 0.664 | 0.691 | 0.732 | 0.786 | 0.856 | 0.906 | 0.908 | 0.889 | 0.875 |
| 8. | 0.862 | 0.841 | 0.823 | 0.845 | 0.869 | 0.889 | 0.911 | 0.920 | 0.920 | 0.885 |
| 9. | 0.832 | 0.773 | 0.716 | 0.663 | 0.615 | 0.568 | 0.519 | 0.468 | 0.433 | 0.420 |
| 2320. | 0.468 | 0.495 | 0.557 | 0.629 | 0.714 | 0.800 | 0.829 | 0.817 | 0.769 | 0.714 |
| 1. | 0.640 | 0.575 | 0.540 | 0.536 | 0.558 | 0.594 | 0.625 | 0.657 | 0.738 | 0.820 |
| 2. | 0.906 | 0.979 | 1.020 | 1.046 | 1.067 | 1.070 | 1.062 | 1.052 | 1.046 | 1.056 |
| 3. | 1.116 | 1.181 | 1.246 | 1.281 | 1.301 | 1.303 | 1.256 | 1.194 | 1.125 | 1.059 |
| 4. | 1.000 | 0.957 | 0.928 | 0.915 | 0.913 | 0.911 | 0.881 | 0.845 | 0.807 | 0.769 |
| 5. | 0.731 | 0.690 | 0.645 | 0.608 | 0.574 | 0.549 | 0.532 | 0.523 | 0.523 | 0.526 |
| 6. | 0.537 | 0.557 | 0.576 | 0.597 | 0.621 | 0.674 | 0.724 | 0.757 | 0.763 | 0.742 |
| 7. | 0.681 | 0.609 | 0.571 | 0.559 | 0.566 | 0.598 | 0.634 | 0.651 | 0.688 | 0.761 |
| 8. | 0.841 | 0.913 | 0.956 | 0.965 | 0.944 | 0.913 | 0.905 | 0.840 | 0.811 | 0.828 |
| 9. | 0.872 | 0.929 | 0.999 | 1.041 | 1.043 | 1.010 | 0.893 | 0.819 | 0.759 | 0.725 |

[a]These values should be multiplied by $10^{12}$

**Table 3. (Cont'd)**

| Wavelength, Å | Intensity,[a] photons/cm² sec Å | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | +0.0 Å | +0.1 Å | +0.2 Å | +0.3 Å | +0.4 Å | +0.5 Å | +0.6 Å | +0.7 Å | +0.8 Å | +0.9 Å |
| 2330. | 0.718 | 0.748 | 0.803 | 0.846 | 0.855 | 0.855 | 0.856 | 0.811 | 0.725 | 0.646 |
| 1. | 0.602 | 0.574 | 0.560 | 0.559 | 0.561 | 0.575 | 0.605 | 0.633 | 0.653 | 0.674 |
| 2. | 0.673 | 0.661 | 0.644 | 0.621 | 0.577 | 0.519 | 0.488 | 0.470 | 0.468 | 0.483 |
| 3. | 0.517 | 0.558 | 0.601 | 0.621 | 0.654 | 0.713 | 0.782 | 0.828 | 0.831 | 0.804 |
| 4. | 0.788 | 0.789 | 0.785 | 0.728 | 0.704 | 0.688 | 0.689 | 0.705 | 0.746 | 0.808 |
| 5. | 0.865 | 0.914 | 0.952 | 0.973 | 0.985 | 0.988 | 0.988 | 0.974 | 0.946 | 0.903 |
| 6. | 0.857 | 0.828 | 0.818 | 0.815 | 0.811 | 0.790 | 0.741 | 0.689 | 0.643 | 0.617 |
| 7. | 0.601 | 0.580 | 0.566 | 0.552 | 0.533 | 0.507 | 0.483 | 0.453 | 0.430 | 0.418 |
| 8. | 0.417 | 0.420 | 0.430 | 0.449 | 0.463 | 0.465 | 0.471 | 0.489 | 0.518 | 0.544 |
| 9. | 0.558 | 0.559 | 0.548 | 0.533 | 0.527 | 0.527 | 0.534 | 0.565 | 0.620 | 0.671 |
| 2340. | 0.734 | 0.717 | 0.704 | 0.701 | 0.713 | 0.721 | 0.712 | 0.695 | 0.683 | 0.683 |
| 1. | 0.698 | 0.719 | 0.757 | 0.797 | 0.823 | 0.851 | 0.864 | 0.864 | 0.855 | 0.842 |
| 2. | 0.816 | 0.787 | 0.761 | 0.735 | 0.699 | 0.652 | 0.605 | 0.579 | 0.560 | 0.529 |
| 3. | 0.482 | 0.447 | 0.423 | 0.401 | 0.387 | 0.373 | 0.371 | 0.378 | 0.383 | 0.381 |
| 4. | 0.390 | 0.415 | 0.432 | 0.458 | 0.495 | 0.539 | 0.576 | 0.579 | 0.572 | 0.563 |
| 5. | 0.546 | 0.518 | 0.483 | 0.456 | 0.451 | 0.469 | 0.490 | 0.512 | 0.531 | 0.545 |
| 6. | 0.550 | 0.552 | 0.549 | 0.547 | 0.549 | 0.562 | 0.577 | 0.601 | 0.624 | 0.630 |
| 7. | 0.627 | 0.613 | 0.589 | 0.555 | 0.521 | 0.500 | 0.490 | 0.474 | 0.455 | 0.438 |
| 8. | 0.420 | 0.411 | 0.413 | 0.429 | 0.450 | 0.482 | 0.523 | 0.563 | 0.602 | 0.634 |
| 9. | 0.663 | 0.688 | 0.710 | 0.750 | 0.807 | 0.846 | 0.867 | 0.882 | 0.892 | 0.894 |
| 2350. | 0.884 | 0.852 | 0.821 | 0.788 | 0.763 | 0.754 | 0.762 | 0.776 | 0.788 | 0.797 |
| 1. | 0.796 | 0.787 | 0.788 | 0.810 | 0.839 | 0.867 | 0.882 | 0.886 | 0.867 | 0.880 |
| 2. | 0.885 | 0.881 | 0.875 | 0.889 | 0.932 | 0.972 | 1.005 | 1.022 | 1.024 | 1.017 |
| 3. | 0.992 | 0.942 | 0.870 | 0.793 | 0.769 | 0.779 | 0.804 | 0.833 | 0.856 | 0.865 |
| 4. | 0.850 | 0.799 | 0.753 | 0.701 | 0.663 | 0.630 | 0.603 | 0.577 | 0.565 | 0.561 |
| 5. | 0.571 | 0.614 | 0.674 | 0.740 | 0.822 | 0.857 | 0.871 | 0.908 | 0.951 | 0.998 |
| 6. | 1.038 | 1.033 | 0.976 | 0.922 | 0.916 | 0.921 | 0.927 | 0.910 | 0.899 | 0.898 |
| 7. | 0.908 | 0.939 | 0.970 | 0.974 | 0.959 | 0.929 | 0.908 | 0.903 | 0.908 | 0.912 |
| 8. | 0.911 | 0.890 | 0.870 | 0.859 | 0.829 | 0.760 | 0.680 | 0.608 | 0.560 | 0.527 |
| 9. | 0.514 | 0.514 | 0.530 | 0.549 | 0.561 | 0.568 | 0.563 | 0.535 | 0.507 | 0.487 |

[a]These values should be multiplied by $10^{12}$

**Table 3. (Cont'd)**

| Wavelength, Å | Intensity,[a] photons/cm² sec Å | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | +0.0 Å | +0.1 Å | +0.2 Å | +0.3 Å | +0.4 Å | +0.5 Å | +0.6 Å | +0.7 Å | +0.8 Å | +0.9 Å |
| 2360. | 0.482 | 0.473 | 0.475 | 0.478 | 0.491 | 0.522 | 0.570 | 0.630 | 0.688 | 0.742 |
| 1. | 0.778 | 0.805 | 0.821 | 0.821 | 0.802 | 0.761 | 0.706 | 0.648 | 0.622 | 0.625 |
| 2. | 0.644 | 0.669 | 0.715 | 0.779 | 0.863 | 0.930 | 0.990 | 1.008 | 1.014 | 1.023 |
| 3. | 1.027 | 0.987 | 0.909 | 0.826 | 0.771 | 0.721 | 0.689 | 0.677 | 0.684 | 0.705 |
| 4. | 0.734 | 0.748 | 0.750 | 0.723 | 0.657 | 0.581 | 0.536 | 0.513 | 0.514 | 0.525 |
| 5. | 0.550 | 0.588 | 0.642 | 0.693 | 0.729 | 0.750 | 0.758 | 0.752 | 0.737 | 0.719 |
| 6. | 0.706 | 0.697 | 0.674 | 0.644 | 0.617 | 0.594 | 0.585 | 0.582 | 0.585 | 0.593 |
| 7. | 0.610 | 0.636 | 0.672 | 0.720 | 0.737 | 0.730 | 0.723 | 0.731 | 0.731 | 0.727 |
| 8. | 0.716 | 0.694 | 0.664 | 0.631 | 0.619 | 0.622 | 0.661 | 0.768 | 0.828 | 0.855 |
| 9. | 0.872 | 0.878 | 0.874 | 0.866 | 0.846 | 0.841 | 0.849 | 0.834 | 0.819 | 0.818 |
| 2370. | 0.825 | 0.811 | 0.782 | 0.760 | 0.750 | 0.773 | 0.820 | 0.885 | 0.953 | 0.993 |
| 1. | 0.990 | 0.973 | 0.971 | 0.973 | 0.980 | 1.006 | 1.033 | 1.033 | 1.021 | 1.011 |
| 2. | 1.005 | 1.007 | 1.004 | 0.984 | 0.932 | 0.861 | 0.770 | 0.687 | 0.618 | 0.587 |
| 3. | 0.563 | 0.526 | 0.493 | 0.472 | 0.469 | 0.475 | 0.494 | 0.516 | 0.541 | 0.579 |
| 4. | 0.626 | 0.658 | 0.676 | 0.696 | 0.715 | 0.733 | 0.747 | 0.736 | 0.692 | 0.653 |
| 5. | 0.611 | 0.593 | 0.593 | 0.597 | 0.624 | 0.658 | 0.691 | 0.721 | 0.744 | 0.760 |
| 6. | 0.769 | 0.779 | 0.796 | 0.824 | 0.871 | 0.919 | 0.972 | 1.028 | 1.066 | 1.071 |
| 7. | 1.052 | 1.025 | 1.003 | 0.997 | 1.000 | 0.998 | 0.979 | 0.930 | 0.858 | 0.808 |
| 8. | 0.781 | 0.770 | 0.753 | 0.728 | 0.693 | 0.666 | 0.649 | 0.651 | 0.650 | 0.637 |
| 9. | 0.613 | 0.581 | 0.560 | 0.557 | 0.572 | 0.593 | 0.619 | 0.650 | 0.677 | 0.694 |
| 2380. | 0.751 | 0.725 | 0.697 | 0.661 | 0.618 | 0.565 | 0.519 | 0.501 | 0.491 | 0.502 |
| 1. | 0.516 | 0.525 | 0.523 | 0.506 | 0.482 | 0.465 | 0.443 | 0.428 | 0.415 | 0.398 |
| 2. | 0.388 | 0.395 | 0.409 | 0.426 | 0.435 | 0.446 | 0.458 | 0.467 | 0.457 | 0.455 |
| 3. | 0.450 | 0.449 | 0.443 | 0.461 | 0.499 | 0.544 | 0.572 | 0.593 | 0.611 | 0.616 |
| 4. | 0.607 | 0.600 | 0.596 | 0.607 | 0.629 | 0.657 | 0.679 | 0.690 | 0.689 | 0.697 |
| 5. | 0.703 | 0.731 | 0.769 | 0.821 | 0.847 | 0.865 | 0.873 | 0.872 | 0.871 | 0.867 |
| 6. | 0.347 | 0.821 | 0.795 | 0.774 | 0.772 | 0.790 | 0.823 | 0.850 | 0.870 | 0.883 |
| 7. | 0.871 | 0.827 | 0.757 | 0.696 | 0.654 | 0.628 | 0.619 | 0.609 | 0.597 | 0.580 |
| 8. | 0.553 | 0.518 | 0.494 | 0.464 | 0.427 | 0.410 | 0.397 | 0.422 | 0.458 | 0.504 |
| 9. | 0.542 | 0.582 | 0.613 | 0.632 | 0.663 | 0.687 | 0.716 | 0.751 | 0.787 | 0.817 |

[a]These values should be multiplied by $10^{12}$

**Table 3. (Cont'd)**

| Wavelength, Å | Intensity,[a] photons/cm² sec Å | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | +0.0 Å | +0.1 Å | +0.2 Å | +0.3 Å | +0.4 Å | +0.5 Å | +0.6 Å | +0.7 Å | +0.8 Å | +0.9 Å |
| 2390. | 0.848 | 0.887 | 0.922 | 0.964 | 1.005 | 1.024 | 1.029 | 1.028 | 1.019 | 1.000 |
| 1. | 0.972 | 0.937 | 0.894 | 0.856 | 0.829 | 0.804 | 0.789 | 0.798 | 0.816 | 0.847 |
| 2. | 0.870 | 0.897 | 0.923 | 0.929 | 0.916 | 0.895 | 0.871 | 0.821 | 0.796 | 0.785 |
| 3. | 0.797 | 0.812 | 0.833 | 0.856 | 0.875 | 0.879 | 0.861 | 0.818 | 0.779 | 0.756 |
| 4. | 0.725 | 0.687 | 0.648 | 0.609 | 0.572 | 0.543 | 0.528 | 0.520 | 0.513 | 0.502 |
| 5. | 0.490 | 0.468 | 0.437 | 0.412 | 0.395 | 0.385 | 0.384 | 0.394 | 0.410 | 0.427 |
| 6. | 0.449 | 0.477 | 0.507 | 0.538 | 0.573 | 0.610 | 0.634 | 0.648 | 0.659 | 0.662 |
| 7. | 0.676 | 0.698 | 0.726 | 0.750 | 0.769 | 0.783 | 0.787 | 0.771 | 0.750 | 0.718 |
| 8. | 0.696 | 0.677 | 0.662 | 0.644 | 0.628 | 0.595 | 0.562 | 0.531 | 0.495 | 0.467 |
| 9. | 0.450 | 0.445 | 0.456 | 0.496 | 0.551 | 0.603 | 0.652 | 0.684 | 0.712 | 0.736 |
| 2400. | 0.741 | 0.751 | 0.763 | 0.778 | 0.806 | 0.845 | 0.878 | 0.894 | 0.878 | 0.861 |
| 1. | 0.843 | 0.825 | 0.801 | 0.782 | 0.774 | 0.773 | 0.791 | 0.808 | 0.812 | 0.801 |
| 2. | 0.774 | 0.736 | 0.710 | 0.703 | 0.699 | 0.716 | 0.731 | 0.748 | 0.765 | 0.786 |
| 3. | 0.811 | 0.829 | 0.846 | 0.853 | 0.830 | 0.797 | 0.777 | 0.758 | 0.724 | 0.684 |
| 4. | 0.630 | 0.576 | 0.534 | 0.501 | 0.465 | 0.438 | 0.423 | 0.405 | 0.396 | 0.393 |
| 5. | 0.401 | 0.427 | 0.473 | 0.518 | 0.541 | 0.566 | 0.607 | 0.653 | 0.670 | 0.672 |
| 6. | 0.661 | 0.630 | 0.587 | 0.550 | 0.519 | 0.491 | 0.475 | 0.469 | 0.486 | 0.518 |
| 7. | 0.557 | 0.592 | 0.615 | 0.622 | 0.630 | 0.638 | 0.650 | 0.671 | 0.701 | 0.737 |
| 8. | 0.777 | 0.810 | 0.834 | 0.857 | 0.871 | 0.863 | 0.833 | 0.798 | 0.772 | 0.735 |
| 9. | 0.795 | 0.790 | 0.777 | 0.780 | 0.795 | 0.807 | 0.800 | 0.785 | 0.762 | 0.724 |
| 2410. | 0.680 | 0.626 | 0.572 | 0.527 | 0.487 | 0.464 | 0.449 | 0.435 | 0.427 | 0.423 |
| 1. | 0.433 | 0.436 | 0.443 | 0.461 | 0.485 | 0.516 | 0.554 | 0.591 | 0.627 | 0.652 |
| 2. | 0.669 | 0.701 | 0.737 | 0.769 | 0.738 | 0.705 | 0.673 | 0.645 | 0.611 | 0.578 |
| 3. | 0.545 | 0.509 | 0.496 | 0.494 | 0.508 | 0.541 | 0.591 | 0.640 | 0.673 | 0.682 |
| 4. | 0.698 | 0.724 | 0.775 | 0.810 | 0.834 | 0.852 | 0.853 | 0.844 | 0.822 | 0.773 |
| 5. | 0.749 | 0.758 | 0.788 | 0.830 | 0.859 | 0.869 | 0.864 | 0.854 | 0.848 | 0.849 |
| 6. | 0.869 | 0.900 | 0.939 | 0.970 | 0.990 | 0.999 | 0.980 | 0.952 | 0.920 | 0.897 |
| 7. | 0.874 | 0.855 | 0.831 | 0.811 | 0.805 | 0.816 | 0.847 | 0.899 | 0.967 | 1.020 |
| 8. | 1.089 | 1.138 | 1.126 | 1.073 | 0.973 | 0.927 | 0.909 | 0.897 | 0.878 | 0.860 |
| 9. | 0.847 | 0.847 | 0.888 | 0.937 | 0.991 | 1.018 | 1.008 | 0.978 | 0.971 | 1.002 |

[a]These values should be multiplied by $10^{12}$

**Table 3. (Cont'd)**

| Wavelength, Å | Intensity,[a] photons/cm² sec Å | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | +0.0 Å | +0.1 Å | +0.2 Å | +0.3 Å | +0.4 Å | +0.5 Å | +0.6 Å | +0.7 Å | +0.8 Å | +0.9 Å |
| 2420. | 0.973 | 0.987 | 1.017 | 1.084 | 1.106 | 1.084 | 1.053 | 1.064 | 1.087 | 1.098 |
| 1. | 1.083 | 1.041 | 1.052 | 1.084 | 1.135 | 1.197 | 1.215 | 1.181 | 1.153 | 1.162 |
| 2. | 1.201 | 1.228 | 1.242 | 1.231 | 1.179 | 1.133 | 1.066 | 1.003 | 0.959 | 0.924 |
| 3. | 0.839 | 0.870 | 0.863 | 0.869 | 0.895 | 0.933 | 0.969 | 0.982 | 0.960 | 0.920 |
| 4. | 0.883 | 0.864 | 0.851 | 0.849 | 0.872 | 0.892 | 0.898 | 0.898 | 0.912 | 0.955 |
| 5. | 0.987 | 1.016 | 1.030 | 1.009 | 0.984 | 0.972 | 0.969 | 1.003 | 1.039 | 1.092 |
| 6. | 1.138 | 1.153 | 1.163 | 1.171 | 1.182 | 1.202 | 1.235 | 1.266 | 1.302 | 1.331 |
| 7. | 1.334 | 1.295 | 1.235 | 1.199 | 1.197 | 1.187 | 1.169 | 1.105 | 1.069 | 1.054 |
| 8. | 1.021 | 0.981 | 0.924 | 0.909 | 0.920 | 0.928 | 0.940 | 0.946 | 0.920 | 0.903 |
| 9. | 0.882 | 0.896 | 0.927 | 0.968 | 1.032 | 1.066 | 1.073 | 1.061 | 1.051 | 1.048 |
| 2430. | 1.048 | 1.077 | 1.129 | 1.179 | 1.204 | 1.199 | 1.185 | 1.169 | 1.149 | 1.126 |
| 1. | 1.104 | 1.077 | 1.071 | 1.078 | 1.072 | 1.060 | 1.051 | 1.035 | 1.007 | 0.986 |
| 2. | 0.951 | 0.898 | 0.872 | 0.870 | 0.883 | 0.894 | 0.900 | 0.901 | 0.900 | 0.905 |
| 3. | 0.907 | 0.913 | 0.933 | 0.967 | 1.006 | 1.053 | 1.084 | 1.133 | 1.156 | 1.127 |
| 4. | 1.082 | 1.002 | 0.962 | 0.940 | 0.899 | 0.848 | 0.791 | 0.733 | 0.689 | 0.672 |
| 5. | 0.680 | 0.711 | 0.785 | 0.852 | 0.903 | 0.924 | 0.910 | 0.895 | 0.881 | 0.867 |
| 6. | 0.856 | 0.845 | 0.841 | 0.857 | 0.878 | 0.903 | 0.926 | 0.913 | 0.908 | 0.930 |
| 7. | 0.962 | 1.027 | 1.086 | 1.145 | 1.195 | 1.213 | 1.200 | 1.154 | 1.102 | 1.085 |
| 8. | 1.074 | 1.064 | 1.045 | 1.046 | 1.033 | 0.988 | 0.921 | 0.900 | 0.900 | 0.901 |
| 9. | 0.896 | 0.878 | 0.860 | 0.847 | 0.837 | 0.829 | 0.834 | 0.846 | 0.860 | 0.877 |
| 2440. | 0.911 | 0.929 | 0.963 | 1.002 | 1.045 | 1.100 | 1.151 | 1.192 | 1.192 | 1.171 |
| 1. | 1.154 | 1.142 | 1.142 | 1.152 | 1.143 | 1.107 | 1.073 | 1.036 | 1.025 | 1.062 |
| 2. | 1.119 | 1.185 | 1.236 | 1.245 | 1.235 | 1.208 | 1.169 | 1.138 | 1.120 | 1.133 |
| 3. | 1.147 | 1.131 | 1.107 | 1.046 | 0.967 | 0.910 | 0.888 | 0.878 | 0.891 | 0.920 |
| 4. | 0.969 | 1.015 | 1.006 | 0.984 | 0.969 | 0.974 | 0.993 | 1.012 | 1.028 | 1.045 |
| 5. | 1.046 | 1.049 | 1.044 | 1.029 | 1.016 | 0.999 | 0.988 | 0.976 | 0.970 | 0.990 |
| 6. | 0.995 | 0.986 | 0.962 | 0.922 | 0.894 | 0.901 | 0.922 | 0.937 | 0.951 | 0.960 |
| 7. | 0.964 | 0.954 | 0.933 | 0.901 | 0.866 | 0.811 | 0.749 | 0.728 | 0.719 | 0.723 |
| 8. | 0.736 | 0.755 | 0.784 | 0.830 | 0.845 | 0.835 | 0.840 | 0.863 | 0.894 | 0.913 |
| 9. | 0.897 | 0.894 | 0.919 | 0.947 | 0.972 | 0.967 | 0.935 | 0.894 | 0.857 | 0.825 |

[a]These values should be multiplied by $10^{12}$

**Table 3. (Cont'd)**

| Wavelength, Å | Intensity,[a] photons/cm² sec Å | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | +0.0 Å | +0.1 Å | +0.2 Å | +0.3 Å | +0.4 Å | +0.5 Å | +0.6 Å | +0.7 Å | +0.8 Å | +0.9 Å |
| 2450. | 0.804 | 0.798 | 0.795 | 0.794 | 0.800 | 0.815 | 0.831 | 0.844 | 0.854 | 0.844 |
| 1. | 0.309 | 0.778 | 0.772 | 0.783 | 0.783 | 0.771 | 0.752 | 0.729 | 0.721 | 0.715 |
| 2. | 0.709 | 0.711 | 0.726 | 0.737 | 0.752 | 0.767 | 0.780 | 0.793 | 0.809 | 0.829 |
| 3. | 0.330 | 0.817 | 0.805 | 0.787 | 0.765 | 0.745 | 0.724 | 0.712 | 0.720 | 0.747 |
| 4. | 0.787 | 0.819 | 0.834 | 0.837 | 0.844 | 0.860 | 0.892 | 0.937 | 0.921 | 0.913 |
| 5. | 0.925 | 0.930 | 0.928 | 0.910 | 0.880 | 0.848 | 0.816 | 0.794 | 0.789 | 0.791 |
| 6. | 0.791 | 0.790 | 0.773 | 0.758 | 0.753 | 0.765 | 0.786 | 0.806 | 0.829 | 0.852 |
| 7. | 0.867 | 0.876 | 0.883 | 0.881 | 0.881 | 0.903 | 0.923 | 0.960 | 0.988 | 1.011 |
| 8. | 1.021 | 1.016 | 0.983 | 0.933 | 0.890 | 0.828 | 0.777 | 0.763 | 0.753 | 0.753 |
| 9. | 0.753 | 0.780 | 0.807 | 0.837 | 0.868 | 0.900 | 0.926 | 0.930 | 0.912 | 0.882 |
| 2460. | 0.857 | 0.830 | 0.808 | 0.795 | 0.796 | 0.803 | 0.805 | 0.802 | 0.782 | 0.761 |
| 1. | 0.746 | 0.744 | 0.754 | 0.770 | 0.789 | 0.808 | 0.817 | 0.807 | 0.772 | 0.738 |
| 2. | 0.703 | 0.676 | 0.651 | 0.627 | 0.610 | 0.600 | 0.603 | 0.625 | 0.661 | 0.702 |
| 3. | 0.751 | 0.776 | 0.788 | 0.784 | 0.781 | 0.779 | 0.782 | 0.791 | 0.811 | 0.843 |
| 4. | 0.874 | 0.904 | 0.930 | 0.946 | 0.952 | 0.950 | 0.919 | 0.874 | 0.851 | 0.828 |
| 5. | 0.817 | 0.813 | 0.825 | 0.853 | 0.884 | 0.918 | 0.938 | 0.946 | 0.935 | 0.923 |
| 6. | 0.920 | 0.899 | 0.861 | 0.823 | 0.794 | 0.788 | 0.795 | 0.826 | 0.859 | 0.896 |
| 7. | 0.960 | 1.020 | 1.026 | 1.014 | 0.986 | 0.963 | 0.944 | 0.929 | 0.940 | 0.974 |
| 8. | 0.985 | 0.963 | 0.955 | 0.958 | 0.971 | 0.984 | 0.980 | 0.967 | 0.949 | 0.935 |
| 9. | 0.939 | 0.961 | 0.975 | 0.975 | 0.948 | 0.920 | 0.894 | 0.897 | 0.907 | 0.921 |
| 2470. | 0.917 | 0.908 | 0.894 | 0.879 | 0.869 | 0.863 | 0.870 | 0.883 | 0.908 | 0.941 |
| 1. | 0.977 | 1.027 | 1.056 | 1.072 | 1.094 | 1.100 | 1.090 | 1.060 | 1.014 | 0.955 |
| 2. | 0.897 | 0.801 | 0.773 | 0.758 | 0.733 | 0.677 | 0.619 | 0.591 | 0.586 | 0.603 |
| 3. | 0.653 | 0.732 | 0.812 | 0.883 | 0.982 | 1.043 | 1.076 | 1.093 | 1.098 | 1.090 |
| 4. | 1.070 | 1.055 | 1.064 | 1.054 | 1.015 | 0.972 | 0.943 | 0.942 | 0.963 | 0.998 |
| 5. | 1.040 | 1.061 | 1.073 | 1.079 | 1.078 | 1.075 | 1.074 | 1.071 | 1.064 | 1.055 |
| 6. | 1.032 | 0.999 | 0.960 | 0.940 | 0.953 | 0.977 | 1.000 | 1.012 | 1.021 | 1.029 |
| 7. | 1.032 | 1.016 | 0.998 | 0.990 | 0.992 | 0.999 | 1.022 | 1.022 | 0.997 | 0.957 |
| 8. | 0.919 | 0.892 | 0.874 | 0.862 | 0.860 | 0.865 | 0.874 | 0.886 | 0.894 | 0.903 |
| 9. | 0.899 | 0.868 | 0.816 | 0.742 | 0.685 | 0.635 | 0.622 | 0.626 | 0.642 | 0.672 |

[a]These values should be multiplied by $10^{12}$

**Table 3. (Cont'd)**

| Wavelength, Å | Intensity,[a] photons/cm² sec Å | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | +0.0 Å | +0.1 Å | +0.2 Å | +0.3 Å | +0.4 Å | +0.5 Å | +0.6 Å | +0.7 Å | +0.8 Å | +0.9 Å |
| 2480. | 0.661 | 0.685 | 0.743 | 0.801 | 0.851 | 0.904 | 0.979 | 1.056 | 1.113 | 1.112 |
| 1. | 1.090 | 1.061 | 1.070 | 1.098 | 1.063 | 1.056 | 1.054 | 1.007 | 0.970 | 0.959 |
| 2. | 0.939 | 0.891 | 0.854 | 0.829 | 0.804 | 0.786 | 0.769 | 0.744 | 0.709 | 0.675 |
| 3. | 0.627 | 0.577 | 0.537 | 0.494 | 0.471 | 0.453 | 0.466 | 0.490 | 0.519 | 0.543 |
| 4. | 0.569 | 0.595 | 0.621 | 0.628 | 0.633 | 0.650 | 0.677 | 0.715 | 0.761 | 0.806 |
| 5. | 0.819 | 0.812 | 0.803 | 0.807 | 0.821 | 0.878 | 0.929 | 0.970 | 1.003 | 1.033 |
| 6. | 1.044 | 1.011 | 0.964 | 0.903 | 0.876 | 0.856 | 0.849 | 0.860 | 0.870 | 0.886 |
| 7. | 0.897 | 0.879 | 0.865 | 0.821 | 0.770 | 0.744 | 0.730 | 0.698 | 0.651 | 0.592 |
| 8. | 0.548 | 0.523 | 0.509 | 0.512 | 0.543 | 0.594 | 0.654 | 0.698 | 0.725 | 0.744 |
| 9. | 0.749 | 0.742 | 0.722 | 0.694 | 0.664 | 0.635 | 0.618 | 0.604 | 0.614 | 0.625 |
| 2490. | 0.633 | 0.639 | 0.633 | 0.617 | 0.577 | 0.541 | 0.512 | 0.494 | 0.484 | 0.489 |
| 1. | 0.501 | 0.516 | 0.542 | 0.588 | 0.650 | 0.721 | 0.778 | 0.815 | 0.840 | 0.843 |
| 2. | 0.836 | 0.828 | 0.833 | 0.851 | 0.875 | 0.905 | 0.938 | 0.969 | 0.983 | 0.971 |
| 3. | 0.948 | 0.937 | 0.963 | 1.035 | 1.092 | 1.090 | 1.070 | 1.040 | 1.000 | 0.983 |
| 4. | 1.006 | 1.059 | 1.093 | 1.121 | 1.140 | 1.151 | 1.174 | 1.213 | 1.250 | 1.271 |
| 5. | 1.274 | 1.262 | 1.252 | 1.242 | 1.228 | 1.211 | 1.177 | 1.120 | 1.065 | 1.005 |
| 6. | 0.955 | 0.933 | 0.932 | 0.937 | 0.956 | 0.986 | 1.009 | 1.063 | 1.150 | 1.228 |
| 7. | 1.234 | 1.305 | 1.288 | 1.240 | 1.149 | 1.054 | 0.991 | 0.968 | 0.980 | 1.013 |
| 8. | 1.079 | 1.132 | 1.139 | 1.108 | 1.082 | 1.060 | 1.053 | 1.065 | 1.098 | 1.189 |
| 9. | 1.269 | 1.307 | 1.329 | 1.327 | 1.314 | 1.321 | 1.339 | 1.343 | 1.319 | 1.274 |
| 2500. | 1.380 | 1.335 | 1.292 | 1.230 | 1.146 | 1.058 | 0.991 | 0.961 | 0.929 | 0.854 |
| 1. | 0.774 | 0.709 | 0.680 | 0.693 | 0.715 | 0.744 | 0.784 | 0.830 | 0.882 | 0.937 |
| 2. | 1.003 | 1.065 | 1.081 | 1.059 | 1.041 | 1.031 | 1.055 | 1.115 | 1.151 | 1.166 |
| 3. | 1.151 | 1.122 | 1.096 | 1.084 | 1.078 | 1.100 | 1.142 | 1.186 | 1.221 | 1.231 |
| 4. | 1.216 | 1.201 | 1.199 | 1.197 | 1.194 | 1.190 | 1.183 | 1.154 | 1.102 | 1.049 |
| 5. | 0.990 | 0.942 | 0.914 | 0.904 | 0.933 | 0.970 | 0.995 | 0.976 | 0.942 | 0.865 |
| 6. | 0.782 | 0.730 | 0.701 | 0.674 | 0.646 | 0.636 | 0.629 | 0.639 | 0.662 | 0.695 |
| 7. | 0.733 | 0.782 | 0.814 | 0.840 | 0.865 | 0.881 | 0.906 | 0.927 | 0.959 | 0.983 |
| 8. | 1.044 | 1.107 | 1.140 | 1.156 | 1.158 | 1.153 | 1.140 | 1.127 | 1.101 | 1.073 |
| 9. | 1.059 | 1.057 | 1.093 | 1.124 | 1.152 | 1.178 | 1.201 | 1.221 | 1.238 | 1.249 |

[a]These values should be multiplied by $10^{12}$

**Table 3. (Cont'd)**

| Wavelength, Å | Intensity,[a] photons/cm² sec Å | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | +0.0 Å | +0.1 Å | +0.2 Å | +0.3 Å | +0.4 Å | +0.5 Å | +0.6 Å | +0.7 Å | +0.8 Å | +0.9 Å |
| 2510. | 1.241 | 1.200 | 1.149 | 1.085 | 1.009 | 0.923 | 0.852 | 0.795 | 0.767 | 0.775 |
| 1. | 0.816 | 0.892 | 0.974 | 1.035 | 1.056 | 1.031 | 0.999 | 0.978 | 0.963 | 0.959 |
| 2. | 0.953 | 0.976 | 0.980 | 0.991 | 1.002 | 1.026 | 1.041 | 1.044 | 1.045 | 1.039 |
| 3. | 1.015 | 0.976 | 0.941 | 0.909 | 0.890 | 0.875 | 0.860 | 0.841 | 0.819 | 0.775 |
| 4. | 0.722 | 0.690 | 0.655 | 0.659 | 0.664 | 0.683 | 0.720 | 0.761 | 0.799 | 0.830 |
| 5. | 0.855 | 0.859 | 0.855 | 0.834 | 0.808 | 0.769 | 0.706 | 0.661 | 0.614 | 0.594 |
| 6. | 0.577 | 0.580 | 0.593 | 0.621 | 0.660 | 0.701 | 0.750 | 0.776 | 0.801 | 0.825 |
| 7. | 0.838 | 0.832 | 0.816 | 0.803 | 0.796 | 0.787 | 0.776 | 0.766 | 0.759 | 0.753 |
| 8. | 0.754 | 0.778 | 0.806 | 0.837 | 0.857 | 0.852 | 0.804 | 0.756 | 0.719 | 0.686 |
| 9. | 0.663 | 0.659 | 0.674 | 0.702 | 0.733 | 0.767 | 0.808 | 0.850 | 0.896 | 0.946 |
| 2520. | 0.916 | 0.951 | 1.005 | 1.048 | 1.070 | 1.082 | 1.070 | 1.031 | 0.987 | 0.948 |
| 1. | 0.922 | 0.907 | 0.900 | 0.905 | 0.920 | 0.932 | 0.933 | 0.909 | 0.872 | 0.856 |
| 2. | 0.855 | 0.857 | 0.854 | 0.833 | 0.787 | 0.740 | 0.689 | 0.646 | 0.619 | 0.615 |
| 3. | 0.633 | 0.659 | 0.698 | 0.731 | 0.756 | 0.764 | 0.759 | 0.734 | 0.698 | 0.659 |
| 4. | 0.625 | 0.601 | 0.601 | 0.630 | 0.691 | 0.744 | 0.792 | 0.834 | 0.854 | 0.855 |
| 5. | 0.846 | 0.836 | 0.830 | 0.825 | 0.829 | 0.847 | 0.889 | 0.939 | 0.964 | 0.968 |
| 6. | 0.952 | 0.939 | 0.930 | 0.926 | 0.926 | 0.938 | 0.954 | 0.966 | 0.960 | 0.926 |
| 7. | 0.834 | 0.761 | 0.707 | 0.672 | 0.659 | 0.679 | 0.707 | 0.745 | 0.765 | 0.770 |
| 8. | 0.737 | 0.693 | 0.662 | 0.637 | 0.622 | 0.614 | 0.613 | 0.615 | 0.615 | 0.615 |
| 9. | 0.619 | 0.632 | 0.665 | 0.695 | 0.702 | 0.702 | 0.708 | 0.732 | 0.767 | 0.809 |
| 2530. | 0.859 | 0.890 | 0.905 | 0.925 | 0.962 | 1.007 | 1.052 | 1.105 | 1.136 | 1.150 |
| 1. | 1.126 | 1.078 | 1.076 | 1.119 | 1.159 | 1.171 | 1.159 | 1.130 | 1.089 | 1.038 |
| 2. | 0.996 | 0.982 | 0.991 | 1.012 | 1.039 | 1.056 | 1.044 | 1.013 | 0.994 | 0.989 |
| 3. | 0.992 | 1.007 | 1.025 | 1.029 | 1.007 | 0.969 | 0.939 | 0.917 | 0.938 | 0.976 |
| 4. | 1.033 | 1.050 | 1.044 | 1.036 | 1.033 | 1.041 | 1.053 | 1.072 | 1.102 | 1.104 |
| 5. | 1.049 | 0.974 | 0.887 | 0.814 | 0.784 | 0.775 | 0.782 | 0.820 | 0.869 | 0.919 |
| 6. | 0.954 | 0.965 | 0.958 | 0.945 | 0.933 | 0.918 | 0.906 | 0.925 | 0.951 | 0.958 |
| 7. | 0.950 | 0.951 | 0.959 | 1.021 | 1.077 | 1.123 | 1.151 | 1.156 | 1.129 | 1.107 |
| 8. | 1.097 | 1.061 | 1.022 | 0.987 | 0.957 | 0.936 | 0.907 | 0.880 | 0.884 | 0.910 |
| 9. | 0.945 | 1.011 | 1.064 | 1.083 | 1.096 | 1.114 | 1.140 | 1.178 | 1.212 | 1.213 |

[a]These values should be multiplied by $10^{12}$

**Table 3. (Cont'd)**

| Wavelength, Å | Intensity,[a] photons/cm² sec Å | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | +0.0 Å | +0.1 Å | +0.2 Å | +0.3 Å | +0.4 Å | +0.5 Å | +0.6 Å | +0.7 Å | +0.8 Å | +0.9 Å |
| 2540. | 1.219 | 1.187 | 1.131 | 1.057 | 0.986 | 0.927 | 0.881 | 0.832 | 0.799 | 0.797 |
| 1. | 0.860 | 0.930 | 0.997 | 1.063 | 1.117 | 1.121 | 1.066 | 1.016 | 1.000 | 0.994 |
| 2. | 0.991 | 1.014 | 1.037 | 1.077 | 1.116 | 1.142 | 1.179 | 1.238 | 1.292 | 1.328 |
| 3. | 1.332 | 1.314 | 1.288 | 1.259 | 1.228 | 1.187 | 1.156 | 1.133 | 1.134 | 1.149 |
| 4. | 1.173 | 1.187 | 1.186 | 1.165 | 1.116 | 1.064 | 1.038 | 1.044 | 1.074 | 1.111 |
| 5. | 1.151 | 1.189 | 1.187 | 1.157 | 1.101 | 1.031 | 0.969 | 0.909 | 0.848 | 0.794 |
| 6. | 0.774 | 0.841 | 0.901 | 0.945 | 0.948 | 0.942 | 0.944 | 0.980 | 1.018 | 1.046 |
| 7. | 1.061 | 1.085 | 1.091 | 1.118 | 1.135 | 1.124 | 1.101 | 1.058 | 1.011 | 0.993 |
| 8. | 0.995 | 0.996 | 0.987 | 0.964 | 0.939 | 0.913 | 0.905 | 0.921 | 0.932 | 0.913 |
| 9. | 0.869 | 0.823 | 0.778 | 0.742 | 0.704 | 0.725 | 0.779 | 0.829 | 0.897 | 0.963 |
| 2550. | 1.033 | 1.106 | 1.139 | 1.119 | 1.073 | 1.057 | 1.105 | 1.141 | 1.137 | 1.137 |
| 1. | 1.185 | 1.249 | 1.326 | 1.396 | 1.471 | 1.541 | 1.565 | 1.607 | 1.628 | 1.625 |
| 2. | 1.614 | 1.596 | 1.567 | 1.505 | 1.357 | 1.231 | 1.137 | 1.099 | 1.066 | 1.027 |
| 3. | 1.002 | 1.006 | 1.041 | 1.119 | 1.262 | 1.405 | 1.425 | 1.485 | 1.547 | 1.552 |
| 4. | 1.550 | 1.572 | 1.614 | 1.645 | 1.633 | 1.525 | 1.441 | 1.312 | 1.261 | 1.214 |
| 5. | 1.188 | 1.182 | 1.155 | 1.141 | 1.148 | 1.189 | 1.279 | 1.376 | 1.476 | 1.515 |
| 6. | 1.469 | 1.414 | 1.370 | 1.357 | 1.357 | 1.357 | 1.320 | 1.253 | 1.194 | 1.151 |
| 7. | 1.114 | 1.091 | 1.089 | 1.110 | 1.182 | 1.285 | 1.384 | 1.425 | 1.432 | 1.414 |
| 8. | 1.390 | 1.371 | 1.364 | 1.365 | 1.390 | 1.435 | 1.496 | 1.600 | 1.705 | 1.781 |
| 9. | 1.771 | 1.692 | 1.626 | 1.554 | 1.498 | 1.455 | 1.418 | 1.396 | 1.380 | 1.393 |
| 2560. | 1.605 | 1.647 | 1.597 | 1.548 | 1.515 | 1.505 | 1.538 | 1.605 | 1.672 | 1.698 |
| 1. | 1.710 | 1.698 | 1.673 | 1.630 | 1.578 | 1.546 | 1.534 | 1.512 | 1.458 | 1.365 |
| 2. | 1.253 | 1.139 | 1.053 | 1.021 | 1.022 | 1.082 | 1.197 | 1.301 | 1.375 | 1.393 |
| 3. | 1.339 | 1.219 | 1.152 | 1.076 | 1.042 | 1.056 | 1.105 | 1.173 | 1.278 | 1.410 |
| 4. | 1.534 | 1.640 | 1.671 | 1.680 | 1.677 | 1.655 | 1.598 | 1.555 | 1.512 | 1.494 |
| 5. | 1.512 | 1.540 | 1.578 | 1.642 | 1.718 | 1.801 | 1.899 | 1.997 | 2.091 | 2.165 |
| 6. | 2.195 | 2.211 | 2.206 | 2.183 | 2.144 | 2.050 | 1.876 | 1.713 | 1.626 | 1.587 |
| 7. | 1.569 | 1.597 | 1.651 | 1.784 | 1.948 | 2.111 | 2.186 | 2.141 | 1.969 | 1.781 |
| 8. | 1.692 | 1.664 | 1.719 | 1.749 | 1.748 | 1.748 | 1.782 | 1.826 | 1.965 | 2.063 |
| 9. | 2.088 | 2.065 | 2.043 | 2.034 | 2.035 | 2.048 | 2.081 | 2.136 | 2.218 | 2.327 |

[a]These values should be multiplied by $10^{12}$

**Table 3. (Cont'd)**

| Wavelength, Å | Intensity,* photons/cm² sec Å | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | +0.0 Å | +0.1 Å | +0.2 Å | +0.3 Å | +0.4 Å | +0.5 Å | +0.6 Å | +0.7 Å | +0.8 Å | +0.9 Å |
| 2570. | 2.429 | 2.493 | 2.467 | 2.403 | 2.263 | 2.027 | 1.813 | 1.705 | 1.676 | 1.691 |
| 1. | 1.736 | 1.827 | 2.041 | 2.215 | 2.271 | 2.264 | 2.246 | 2.240 | 2.271 | 2.293 |
| 2. | 2.276 | 2.191 | 2.086 | 2.008 | 1.987 | 1.990 | 1.990 | 1.990 | 2.058 | 2.158 |
| 3. | 2.277 | 2.376 | 2.426 | 2.424 | 2.421 | 2.452 | 2.490 | 2.503 | 2.473 | 2.377 |
| 4. | 2.258 | 2.166 | 2.114 | 2.067 | 1.997 | 1.941 | 1.870 | 1.770 | 1.608 | 1.493 |
| 5. | 1.419 | 1.392 | 1.363 | 1.338 | 1.330 | 1.308 | 1.267 | 1.205 | 1.141 | 1.090 |
| 6. | 1.035 | 1.000 | 1.000 | 1.055 | 1.164 | 1.246 | 1.298 | 1.381 | 1.489 | 1.524 |
| 7. | 1.557 | 1.632 | 1.714 | 1.789 | 1.842 | 1.821 | 1.767 | 1.717 | 1.684 | 1.674 |
| 8. | 1.703 | 1.777 | 1.940 | 2.109 | 2.196 | 2.256 | 2.282 | 2.285 | 2.172 | 2.091 |
| 9. | 2.028 | 2.004 | 2.010 | 2.072 | 2.193 | 2.359 | 2.505 | 2.640 | 2.720 | 2.715 |
| 2580. | 2.733 | 2.695 | 2.543 | 2.354 | 2.293 | 2.278 | 2.291 | 2.359 | 2.509 | 2.760 |
| 1. | 3.142 | 3.408 | 3.607 | 3.634 | 3.562 | 3.395 | 3.084 | 3.007 | 2.864 | 2.580 |
| 2. | 2.268 | 2.049 | 1.826 | 1.618 | 1.465 | 1.413 | 1.396 | 1.425 | 1.536 | 1.712 |
| 3. | 1.822 | 1.896 | 1.983 | 2.294 | 2.464 | 2.537 | 2.625 | 2.654 | 2.637 | 2.560 |
| 4. | 2.416 | 2.213 | 1.859 | 1.611 | 1.531 | 1.460 | 1.465 | 1.515 | 1.599 | 1.662 |
| 5. | 1.685 | 1.663 | 1.590 | 1.471 | 1.357 | 1.212 | 1.104 | 1.032 | 0.982 | 0.950 |
| 6. | 0.944 | 0.952 | 0.994 | 1.065 | 1.151 | 1.246 | 1.360 | 1.463 | 1.583 | 1.693 |
| 7. | 1.777 | 1.807 | 1.834 | 1.886 | 2.006 | 2.115 | 2.152 | 2.180 | 2.146 | 2.008 |
| 8. | 1.832 | 1.684 | 1.660 | 1.676 | 1.732 | 1.841 | 1.986 | 2.110 | 2.250 | 2.391 |
| 9. | 2.509 | 2.804 | 3.038 | 3.210 | 3.294 | 3.350 | 3.237 | 3.084 | 3.010 | 2.958 |
| 2590. | 2.906 | 2.806 | 2.648 | 2.490 | 2.374 | 2.226 | 2.099 | 2.021 | 1.962 | 1.917 |
| 1. | 1.864 | 1.763 | 1.675 | 1.570 | 1.511 | 1.478 | 1.511 | 1.594 | 1.730 | 2.085 |
| 2. | 2.192 | 2.241 | 2.263 | 2.258 | 2.225 | 2.137 | 2.002 | 1.893 | 1.764 | 1.686 |
| 3. | 1.623 | 1.551 | 1.431 | 1.294 | 1.142 | 1.058 | 1.040 | 1.052 | 1.100 | 1.182 |
| 4. | 1.285 | 1.389 | 1.488 | 1.591 | 1.679 | 1.743 | 1.774 | 1.857 | 1.978 | 2.073 |
| 5. | 2.115 | 2.112 | 2.090 | 2.062 | 2.040 | 2.032 | 2.041 | 2.021 | 1.934 | 1.870 |
| 6. | 1.836 | 1.835 | 1.859 | 1.876 | 1.872 | 1.835 | 1.795 | 1.765 | 1.765 | 1.759 |
| 7. | 1.752 | 1.719 | 1.668 | 1.593 | 1.518 | 1.465 | 1.427 | 1.361 | 1.271 | 1.170 |
| 8. | 1.072 | 0.983 | 0.901 | 0.832 | 0.799 | 0.796 | 0.807 | 0.813 | 0.808 | 0.799 |
| 9. | 0.778 | 0.747 | 0.710 | 0.695 | 0.694 | 0.700 | 0.711 | 0.736 | 0.777 | 0.835 |

*These values should be multiplied by $10^{12}$

**Table 3. (Cont'd)**

| Wavelength, Å | Intensity,[a] photons/cm² sec Å | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | +0.0 Å | +0.1 Å | +0.2 Å | +0.3 Å | +0.4 Å | +0.5 Å | +0.6 Å | +0.7 Å | +0.8 Å | +0.9 Å |
| 2600. | 0.973 | 1.040 | 1.118 | 1.194 | 1.295 | 1.356 | 1.407 | 1.470 | 1.579 | 1.683 |
| 1. | 1.752 | 1.794 | 1.822 | 1.848 | 1.876 | 1.897 | 1.927 | 2.008 | 2.117 | 2.190 |
| 2. | 2.182 | 2.135 | 2.104 | 2.092 | 2.021 | 1.954 | 1.958 | 2.030 | 2.102 | 2.169 |
| 3. | 2.192 | 2.183 | 2.131 | 2.003 | 1.846 | 1.739 | 1.689 | 1.663 | 1.671 | 1.710 |
| 4. | 1.774 | 1.872 | 2.006 | 2.074 | 2.032 | 1.940 | 1.860 | 1.813 | 1.762 | 1.686 |
| 5. | 1.554 | 1.441 | 1.345 | 1.247 | 1.170 | 1.094 | 1.080 | 1.148 | 1.268 | 1.331 |
| 6. | 1.369 | 1.352 | 1.296 | 1.180 | 1.101 | 1.027 | 0.960 | 0.905 | 0.864 | 0.871 |
| 7. | 0.918 | 0.983 | 1.080 | 1.186 | 1.269 | 1.345 | 1.445 | 1.545 | 1.631 | 1.656 |
| 8. | 1.652 | 1.637 | 1.612 | 1.612 | 1.629 | 1.649 | 1.641 | 1.586 | 1.549 | 1.548 |
| 9. | 1.580 | 1.666 | 1.792 | 1.861 | 1.878 | 1.856 | 1.804 | 1.769 | 1.800 | 1.838 |
| 2610. | 1.363 | 1.868 | 1.848 | 1.820 | 1.787 | 1.728 | 1.622 | 1.489 | 1.399 | 1.365 |
| 1. | 1.341 | 1.301 | 1.219 | 1.124 | 1.042 | 0.971 | 0.938 | 0.921 | 0.917 | 0.924 |
| 2. | 0.941 | 0.986 | 1.049 | 1.154 | 1.249 | 1.295 | 1.311 | 1.337 | 1.388 | 1.446 |
| 3. | 1.446 | 1.399 | 1.332 | 1.259 | 1.198 | 1.113 | 1.032 | 0.985 | 0.969 | 0.986 |
| 4. | 1.049 | 1.123 | 1.225 | 1.324 | 1.409 | 1.513 | 1.597 | 1.689 | 1.789 | 1.879 |
| 5. | 1.973 | 2.057 | 2.122 | 2.178 | 2.205 | 2.208 | 2.186 | 2.146 | 2.101 | 2.063 |
| 6. | 2.030 | 2.012 | 2.032 | 2.097 | 2.153 | 2.166 | 2.123 | 2.021 | 1.879 | 1.710 |
| 7. | 1.540 | 1.429 | 1.308 | 1.185 | 1.097 | 1.083 | 1.084 | 1.100 | 1.132 | 1.192 |
| 8. | 1.307 | 1.442 | 1.549 | 1.618 | 1.651 | 1.668 | 1.683 | 1.707 | 1.745 | 1.842 |
| 9. | 2.014 | 2.224 | 2.374 | 2.457 | 2.470 | 2.440 | 2.405 | 2.353 | 2.269 | 2.132 |
| 2620. | 2.200 | 1.990 | 1.783 | 1.749 | 1.801 | 1.785 | 1.802 | 1.918 | 2.071 | 2.165 |
| 1. | 2.175 | 2.050 | 1.871 | 1.673 | 1.537 | 1.470 | 1.469 | 1.501 | 1.580 | 1.740 |
| 2. | 1.889 | 2.026 | 2.201 | 2.447 | 2.616 | 2.649 | 2.630 | 2.537 | 2.378 | 2.197 |
| 3. | 2.055 | 1.958 | 1.879 | 1.810 | 1.762 | 1.751 | 1.827 | 1.937 | 2.130 | 2.308 |
| 4. | 2.426 | 2.484 | 2.525 | 2.559 | 2.558 | 2.495 | 2.287 | 2.061 | 1.978 | 1.923 |
| 5. | 1.874 | 1.733 | 1.522 | 1.379 | 1.263 | 1.227 | 1.224 | 1.219 | 1.225 | 1.253 |
| 6. | 1.327 | 1.391 | 1.465 | 1.522 | 1.588 | 1.754 | 1.880 | 1.973 | 1.993 | 1.984 |
| 7. | 1.946 | 1.895 | 1.838 | 1.803 | 1.795 | 1.805 | 1.796 | 1.761 | 1.653 | 1.462 |
| 8. | 1.318 | 1.254 | 1.221 | 1.231 | 1.272 | 1.363 | 1.467 | 1.595 | 1.744 | 1.862 |
| 9. | 1.930 | 1.952 | 1.948 | 1.918 | 1.857 | 1.834 | 1.825 | 1.802 | 1.756 | 1.699 |

[a]These values should be multiplied by $10^{12}$

**Table 3. (Cont'd)**

| Wavelength, Å | Intensity,[a] photons/cm² sec Å | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | +0.0 Å | +0.1 Å | +0.2 Å | +0.3 Å | +0.4 Å | +0.5 Å | +0.6 Å | +0.7 Å | +0.8 Å | +0.9 Å |
| 2630. | 1.656 | 1.631 | 1.615 | 1.609 | 1.561 | 1.450 | 1.325 | 1.260 | 1.190 | 1.124 |
| 1. | 1.059 | 1.037 | 1.042 | 1.077 | 1.152 | 1.292 | 1.413 | 1.496 | 1.529 | 1.534 |
| 2. | 1.527 | 1.527 | 1.542 | 1.573 | 1.621 | 1.674 | 1.692 | 1.700 | 1.710 | 1.772 |
| 3. | 1.918 | 2.040 | 2.147 | 2.244 | 2.318 | 2.372 | 2.423 | 2.452 | 2.473 | 2.511 |
| 4. | 2.569 | 2.634 | 2.710 | 2.784 | 2.824 | 2.768 | 2.742 | 2.743 | 2.742 | 2.736 |
| 5. | 2.651 | 2.574 | 2.572 | 2.623 | 2.643 | 2.548 | 2.339 | 2.104 | 1.893 | 1.754 |
| 6. | 1.823 | 2.144 | 2.755 | 3.453 | 3.920 | 4.062 | 3.866 | 3.514 | 3.204 | 2.941 |
| 7. | 2.694 | 2.557 | 2.710 | 3.114 | 3.644 | 4.054 | 4.171 | 4.169 | 4.270 | 4.419 |
| 8. | 4.476 | 4.495 | 4.585 | 4.769 | 4.965 | 5.112 | 5.152 | 5.049 | 4.908 | 4.748 |
| 9. | 4.584 | 4.442 | 4.182 | 3.909 | 3.737 | 3.665 | 3.657 | 3.578 | 3.506 | 3.496 |
| 2640. | 3.557 | 3.459 | 3.353 | 3.353 | 3.447 | 3.575 | 3.809 | 3.991 | 4.113 | 4.106 |
| 1. | 3.986 | 3.791 | 3.609 | 3.363 | 3.163 | 3.106 | 2.999 | 2.819 | 2.774 | 2.934 |
| 2. | 3.378 | 3.986 | 4.188 | 4.272 | 4.401 | 4.740 | 5.412 | 5.947 | 6.198 | 6.251 |
| 3. | 6.189 | 5.992 | 5.834 | 5.717 | 5.734 | 5.801 | 5.930 | 6.022 | 5.989 | 5.751 |
| 4. | 5.261 | 4.553 | 3.886 | 3.461 | 3.356 | 3.609 | 4.041 | 4.356 | 4.453 | 4.397 |
| 5. | 4.200 | 4.005 | 3.890 | 3.818 | 3.804 | 3.943 | 4.083 | 4.136 | 4.099 | 3.909 |
| 6. | 3.615 | 3.308 | 3.026 | 2.787 | 2.632 | 2.632 | 2.799 | 3.079 | 3.563 | 4.056 |
| 7. | 4.223 | 4.170 | 3.960 | 3.616 | 3.294 | 3.034 | 2.924 | 2.950 | 3.035 | 3.086 |
| 8. | 2.926 | 2.658 | 2.353 | 2.098 | 1.977 | 1.892 | 1.848 | 1.882 | 2.035 | 2.225 |
| 9. | 2.391 | 2.417 | 2.415 | 2.515 | 2.798 | 2.996 | 3.066 | 3.061 | 3.026 | 3.041 |
| 2650. | 3.353 | 3.609 | 3.808 | 3.886 | 3.708 | 3.365 | 2.977 | 2.745 | 2.928 | 3.280 |
| 1. | 3.375 | 3.235 | 3.008 | 2.962 | 3.141 | 3.354 | 3.536 | 3.591 | 3.513 | 3.368 |
| 2. | 3.235 | 3.176 | 3.218 | 3.300 | 3.405 | 3.530 | 3.687 | 3.961 | 4.346 | 4.679 |
| 3. | 4.844 | 4.771 | 4.404 | 3.883 | 3.550 | 3.425 | 3.261 | 3.104 | 3.078 | 3.268 |
| 4. | 3.592 | 3.992 | 4.251 | 4.229 | 4.068 | 4.101 | 4.463 | 5.014 | 5.510 | 5.776 |
| 5. | 5.905 | 5.948 | 5.893 | 5.810 | 5.600 | 5.275 | 4.891 | 4.388 | 3.900 | 3.899 |
| 6. | 3.537 | 3.457 | 3.264 | 3.072 | 3.156 | 3.746 | 4.512 | 4.921 | 5.016 | 4.930 |
| 7. | 4.821 | 4.714 | 4.728 | 4.641 | 4.510 | 4.459 | 4.533 | 4.657 | 4.754 | 4.632 |
| 8. | 4.258 | 3.834 | 3.401 | 3.114 | 2.942 | 2.870 | 2.907 | 3.079 | 3.414 | 3.785 |
| 9. | 4.067 | 4.229 | 4.369 | 4.459 | 4.484 | 4.491 | 4.494 | 4.542 | 4.667 | 4.794 |

[a]These values should be multiplied by $10^{13}$

**Table 3. (Cont'd)**

| Wavelength, Å | Intensity,[a] photons/cm² sec Å | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | +0.0 Å | +0.1 Å | +0.2 Å | +0.3 Å | +0.4 Å | +0.5 Å | +0.6 Å | +0.7 Å | +0.8 Å | +0.9 Å |
| 2660. | 5.169 | 5.157 | 5.076 | 4.667 | 4.091 | 3.725 | 3.697 | 3.993 | 4.309 | 4.756 |
| 1. | 5.183 | 5.381 | 5.224 | 4.629 | 3.634 | 2.921 | 2.597 | 2.555 | 2.582 | 2.713 |
| 2. | 2.928 | 3.183 | 3.464 | 3.753 | 4.028 | 4.270 | 4.490 | 4.734 | 4.974 | 5.142 |
| 3. | 5.166 | 4.863 | 4.170 | 3.558 | 2.867 | 2.219 | 1.836 | 1.856 | 2.095 | 2.517 |
| 4. | 2.805 | 2.888 | 3.048 | 3.375 | 3.780 | 4.051 | 4.139 | 4.047 | 3.944 | 4.048 |
| 5. | 4.427 | 4.791 | 4.790 | 4.638 | 4.569 | 4.665 | 4.804 | 4.650 | 4.194 | 3.731 |
| 6. | 3.367 | 3.068 | 2.960 | 2.956 | 2.841 | 2.550 | 2.219 | 1.984 | 1.935 | 2.022 |
| 7. | 2.216 | 2.687 | 3.260 | 3.932 | 4.608 | 5.245 | 5.798 | 6.006 | 5.809 | 4.799 |
| 8. | 3.348 | 3.135 | 3.225 | 3.601 | 4.045 | 4.253 | 4.199 | 3.836 | 3.468 | 3.330 |
| 9. | 3.459 | 3.584 | 3.579 | 3.334 | 2.885 | 2.387 | 2.088 | 2.140 | 2.414 | 2.686 |
| 2670. | 3.047 | 3.256 | 3.459 | 3.762 | 4.096 | 4.336 | 4.422 | 4.442 | 4.507 | 4.667 |
| 1. | 4.875 | 5.124 | 5.431 | 5.913 | 6.129 | 6.046 | 5.421 | 4.267 | 3.138 | 2.605 |
| 2. | 2.288 | 2.186 | 2.144 | 2.051 | 1.970 | 2.028 | 2.110 | 2.159 | 2.311 | 2.556 |
| 3. | 2.651 | 2.710 | 2.738 | 2.753 | 2.798 | 3.004 | 3.332 | 3.677 | 4.018 | 4.315 |
| 4. | 4.607 | 4.857 | 4.965 | 5.105 | 5.343 | 5.584 | 5.702 | 5.672 | 5.471 | 5.244 |
| 5. | 5.072 | 5.003 | 4.983 | 4.953 | 4.872 | 4.730 | 4.753 | 4.800 | 4.671 | 4.455 |
| 6. | 4.189 | 4.022 | 4.087 | 4.585 | 5.071 | 5.524 | 5.714 | 5.442 | 4.781 | 3.955 |
| 7. | 3.143 | 2.376 | 2.061 | 2.248 | 2.864 | 3.534 | 4.101 | 4.251 | 4.052 | 3.693 |
| 8. | 3.417 | 3.285 | 3.384 | 3.565 | 3.545 | 3.266 | 2.735 | 2.217 | 1.982 | 1.895 |
| 9. | 1.937 | 2.105 | 2.448 | 2.972 | 3.594 | 3.894 | 3.857 | 3.773 | 3.677 | 3.673 |
| 2680. | 3.951 | 3.859 | 3.571 | 3.306 | 3.296 | 3.550 | 3.812 | 3.942 | 4.048 | 4.220 |
| 1. | 4.520 | 4.874 | 5.133 | 5.175 | 4.804 | 4.234 | 3.760 | 3.596 | 3.744 | 3.959 |
| 2. | 4.216 | 4.357 | 4.389 | 4.388 | 4.426 | 4.548 | 4.596 | 4.530 | 4.305 | 3.909 |
| 3. | 3.509 | 3.360 | 3.444 | 3.697 | 3.969 | 4.204 | 4.345 | 4.332 | 4.192 | 3.742 |
| 4. | 3.159 | 2.974 | 3.129 | 3.574 | 4.044 | 4.247 | 3.902 | 3.131 | 2.799 | 2.834 |
| 5. | 3.104 | 3.378 | 3.664 | 3.999 | 4.333 | 4.526 | 4.577 | 4.579 | 4.548 | 4.454 |
| 6. | 4.337 | 4.344 | 4.438 | 4.527 | 4.544 | 4.483 | 4.365 | 4.281 | 4.252 | 4.207 |
| 7. | 4.124 | 3.977 | 3.964 | 4.120 | 4.352 | 4.405 | 4.020 | 3.412 | 3.063 | 2.939 |
| 8. | 3.076 | 3.173 | 3.284 | 3.537 | 3.770 | 4.043 | 4.204 | 4.205 | 4.038 | 3.674 |
| 9. | 3.240 | 2.789 | 2.487 | 2.522 | 2.705 | 2.823 | 2.809 | 2.702 | 2.513 | 2.427 |

[a]These values should be multiplied by $10^{12}$

**Table 3. (Cont'd)**

| Wavelength, Å | Intensity,[a] photons/cm² sec Å | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | +0.0 Å | +0.1 Å | +0.2 Å | +0.3 Å | +0.4 Å | +0.5 Å | +0.6 Å | +0.7 Å | +0.8 Å | +0.9 Å |
| 2690. | 2.698 | 2.816 | 3.058 | 3.373 | 3.692 | 3.860 | 3.862 | 3.744 | 3.520 | 3.234 |
| 1. | 3.005 | 3.002 | 3.253 | 3.566 | 3.834 | 4.020 | 4.151 | 4.287 | 4.571 | 4.808 |
| 2. | 4.864 | 4.835 | 4.742 | 4.523 | 4.082 | 3.557 | 3.164 | 2.864 | 2.839 | 3.143 |
| 3. | 3.599 | 4.047 | 4.425 | 4.730 | 4.658 | 4.472 | 4.373 | 4.539 | 4.817 | 4.944 |
| 4. | 4.783 | 4.431 | 3.950 | 3.704 | 3.599 | 3.551 | 3.502 | 3.384 | 3.192 | 2.780 |
| 5. | 2.354 | 2.137 | 2.101 | 2.110 | 2.174 | 2.350 | 2.583 | 2.769 | 2.798 | 2.747 |
| 6. | 2.624 | 2.506 | 2.450 | 2.591 | 2.982 | 3.508 | 4.134 | 4.495 | 4.511 | 4.396 |
| 7. | 4.176 | 3.828 | 3.563 | 3.497 | 3.553 | 3.718 | 3.868 | 4.004 | 4.030 | 3.847 |
| 8. | 3.532 | 3.262 | 3.134 | 3.138 | 3.189 | 3.222 | 3.084 | 2.961 | 2.883 | 2.874 |
| 9. | 2.984 | 3.234 | 3.526 | 3.730 | 3.947 | 4.239 | 4.591 | 4.886 | 5.244 | 5.761 |
| 2700. | 6.252 | 6.586 | 6.841 | 6.931 | 6.840 | 6.547 | 6.039 | 5.396 | 4.736 | 4.103 |
| 1. | 3.595 | 3.416 | 3.508 | 3.754 | 3.856 | 3.655 | 3.171 | 2.860 | 2.894 | 3.027 |
| 2. | 3.181 | 3.342 | 3.428 | 3.498 | 3.652 | 3.971 | 4.419 | 4.847 | 5.220 | 5.541 |
| 3. | 5.786 | 5.880 | 5.826 | 5.431 | 4.560 | 3.780 | 3.363 | 3.035 | 2.862 | 2.876 |
| 4. | 3.207 | 3.877 | 4.680 | 5.356 | 5.766 | 5.863 | 5.794 | 5.762 | 5.883 | 6.003 |
| 5. | 5.906 | 5.597 | 5.041 | 4.449 | 4.136 | 4.012 | 3.887 | 3.703 | 3.380 | 2.930 |
| 6. | 2.916 | 3.310 | 3.776 | 3.798 | 3.431 | 2.969 | 2.694 | 2.648 | 2.784 | 3.086 |
| 7. | 3.483 | 3.932 | 4.246 | 4.317 | 4.189 | 3.981 | 3.890 | 3.963 | 4.062 | 4.126 |
| 8. | 4.098 | 4.002 | 3.773 | 3.300 | 2.457 | 2.021 | 1.993 | 2.179 | 2.482 | 2.900 |
| 9. | 3.285 | 3.648 | 3.951 | 4.137 | 4.282 | 4.397 | 4.359 | 4.172 | 3.674 | 3.449 |
| 2710. | 3.706 | 3.560 | 3.333 | 3.206 | 3.405 | 3.854 | 4.324 | 4.743 | 4.903 | 4.583 |
| 1. | 4.157 | 3.774 | 3.479 | 3.186 | 2.617 | 2.117 | 2.053 | 2.333 | 2.840 | 3.635 |
| 2. | 4.514 | 4.867 | 4.730 | 4.255 | 4.173 | 4.520 | 5.030 | 5.551 | 5.859 | 5.941 |
| 3. | 5.966 | 5.832 | 5.390 | 4.542 | 4.099 | 3.996 | 3.979 | 3.925 | 3.744 | 3.318 |
| 4. | 2.594 | 1.779 | 1.276 | 1.211 | 1.315 | 1.529 | 1.798 | 2.126 | 2.539 | 2.962 |
| 5. | 3.233 | 3.379 | 3.287 | 3.010 | 2.773 | 2.706 | 2.937 | 3.389 | 3.706 | 3.789 |
| 6. | 3.602 | 3.370 | 3.276 | 3.395 | 3.623 | 3.797 | 3.778 | 3.829 | 4.020 | 4.170 |
| 7. | 4.143 | 3.890 | 3.346 | 3.012 | 3.027 | 3.119 | 3.193 | 3.223 | 3.172 | 3.083 |
| 8. | 2.942 | 2.690 | 2.212 | 1.505 | 0.972 | 0.725 | 0.635 | 0.654 | 0.706 | 0.756 |
| 9. | 0.769 | 0.795 | 0.887 | 1.067 | 1.346 | 1.620 | 1.790 | 1.916 | 2.042 | 2.132 |

[a]These values should be multiplied by $10^{13}$

**Table 3. (Cont'd)**

| Wavelength, Å | Intensity,[a] photons/cm² sec Å | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | +0.0 Å | +0.1 Å | +0.2 Å | +0.3 Å | +0.4 Å | +0.5 Å | +0.6 Å | +0.7 Å | +0.8 Å | +0.9 Å |
| 2720. | 2.197 | 2.090 | 1.925 | 1.901 | 1.835 | 1.653 | 1.439 | 1.262 | 1.149 | 1.102 |
| 1. | 1.239 | 1.582 | 2.066 | 2.493 | 2.836 | 3.061 | 3.230 | 3.315 | 3.276 | 3.089 |
| 2. | 2.860 | 2.670 | 2.573 | 2.655 | 2.841 | 3.061 | 3.161 | 3.196 | 3.287 | 3.512 |
| 3. | 3.622 | 3.442 | 2.807 | 1.981 | 1.632 | 1.439 | 1.407 | 1.604 | 1.943 | 2.326 |
| 4. | 2.688 | 2.920 | 3.041 | 3.096 | 3.070 | 2.997 | 2.827 | 2.450 | 2.064 | 1.850 |
| 5. | 1.395 | 2.218 | 2.720 | 3.247 | 3.822 | 4.168 | 4.154 | 3.740 | 3.097 | 2.506 |
| 6. | 2.137 | 2.081 | 2.291 | 2.679 | 2.956 | 3.062 | 3.102 | 3.151 | 3.258 | 3.399 |
| 7. | 3.450 | 3.347 | 3.037 | 2.370 | 1.646 | 1.280 | 1.323 | 1.625 | 1.994 | 2.385 |
| 8. | 2.785 | 3.183 | 3.653 | 4.113 | 4.436 | 4.501 | 4.182 | 3.492 | 3.124 | 3.251 |
| 9. | 4.006 | 4.721 | 5.316 | 5.742 | 5.942 | 6.008 | 5.933 | 5.969 | 5.972 | 5.821 |
| 2730. | 5.864 | 5.329 | 4.753 | 4.196 | 3.701 | 3.187 | 2.653 | 2.282 | 2.276 | 2.527 |
| 1. | 2.881 | 3.259 | 3.713 | 4.064 | 4.443 | 4.748 | 4.886 | 4.521 | 3.649 | 3.216 |
| 2. | 3.121 | 3.288 | 3.576 | 3.795 | 3.928 | 3.995 | 4.003 | 3.941 | 3.802 | 3.582 |
| 3. | 3.526 | 3.585 | 3.480 | 3.026 | 2.167 | 1.682 | 1.460 | 1.484 | 1.645 | 1.920 |
| 4. | 2.265 | 2.583 | 2.858 | 3.093 | 3.277 | 3.414 | 3.515 | 3.579 | 3.558 | 3.339 |
| 5. | 3.041 | 2.865 | 2.682 | 2.444 | 2.127 | 1.843 | 1.817 | 2.572 | 3.636 | 4.277 |
| 6. | 4.398 | 4.100 | 3.438 | 2.599 | 1.704 | 1.285 | 1.277 | 1.265 | 1.263 | 1.062 |
| 7. | 0.914 | 0.833 | 0.847 | 0.998 | 1.367 | 1.758 | 2.187 | 2.608 | 2.932 | 3.178 |
| 8. | 3.327 | 3.303 | 3.172 | 3.001 | 2.826 | 2.733 | 2.707 | 2.671 | 2.590 | 2.425 |
| 9. | 2.129 | 1.592 | 1.153 | 0.928 | 0.845 | 0.840 | 0.884 | 1.017 | 1.243 | 1.518 |
| 2740. | 1.753 | 1.926 | 2.119 | 2.332 | 2.486 | 2.648 | 2.730 | 2.730 | 2.652 | 2.519 |
| 1. | 2.391 | 2.274 | 2.160 | 2.164 | 2.340 | 2.553 | 2.719 | 2.775 | 2.743 | 2.566 |
| 2. | 2.226 | 1.635 | 1.273 | 1.225 | 1.233 | 1.260 | 1.357 | 1.480 | 1.574 | 1.596 |
| 3. | 1.441 | 1.184 | 1.069 | 1.125 | 1.264 | 1.399 | 1.540 | 1.594 | 1.618 | 1.528 |
| 4. | 1.358 | 1.320 | 1.592 | 1.948 | 2.187 | 2.371 | 2.494 | 2.566 | 2.516 | 2.492 |
| 5. | 2.629 | 2.845 | 3.114 | 3.307 | 3.274 | 3.047 | 2.785 | 2.544 | 2.330 | 2.054 |
| 6. | 1.758 | 1.530 | 1.390 | 1.279 | 1.142 | 1.008 | 0.906 | 0.888 | 0.967 | 1.107 |
| 7. | 1.266 | 1.343 | 1.410 | 1.506 | 1.631 | 1.799 | 2.004 | 2.186 | 2.393 | 2.580 |
| 8. | 2.691 | 2.751 | 2.761 | 2.726 | 2.664 | 2.562 | 2.447 | 2.333 | 2.150 | 1.803 |
| 9. | 1.527 | 1.359 | 1.150 | 0.917 | 0.760 | 0.714 | 0.821 | 1.035 | 1.195 | 1.245 |

[a]These values should be multiplied by $10^{12}$

**Table 3. (Cont'd)**

| Wavelength, Å | Intensity,[a] photons/cm² sec Å | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | +0.0 Å | +0.1 Å | +0.2 Å | +0.3 Å | +0.4 Å | +0.5 Å | +0.6 Å | +0.7 Å | +0.8 Å | +0.9 Å |
| 2750. | 1.376 | 1.316 | 1.249 | 1.212 | 1.387 | 1.557 | 1.719 | 1.846 | 2.000 | 2.132 |
| 1. | 2.165 | 2.230 | 2.516 | 2.817 | 3.041 | 3.232 | 3.372 | 3.403 | 3.270 | 3.102 |
| 2. | 3.176 | 3.384 | 3.710 | 4.067 | 4.321 | 4.577 | 4.745 | 4.752 | 4.603 | 4.238 |
| 3. | 3.692 | 3.376 | 3.062 | 2.813 | 2.784 | 2.881 | 2.909 | 2.856 | 2.701 | 2.485 |
| 4. | 2.361 | 2.463 | 2.696 | 2.868 | 2.895 | 2.843 | 2.823 | 2.816 | 2.812 | 2.716 |
| 5. | 2.547 | 2.302 | 2.065 | 1.828 | 1.535 | 1.323 | 1.180 | 1.041 | 0.879 | 0.943 |
| 6. | 1.078 | 1.158 | 1.173 | 1.175 | 1.369 | 1.882 | 2.262 | 2.521 | 2.658 | 2.687 |
| 7. | 2.637 | 2.554 | 2.450 | 2.347 | 2.381 | 2.656 | 3.025 | 3.506 | 4.129 | 4.877 |
| 8. | 5.447 | 5.900 | 6.206 | 6.326 | 6.322 | 6.229 | 6.039 | 5.789 | 5.538 | 5.365 |
| 9. | 5.149 | 4.898 | 4.570 | 4.260 | 4.017 | 3.910 | 3.698 | 3.490 | 3.355 | 3.392 |
| 2760. | 3.701 | 3.896 | 4.156 | 4.361 | 4.425 | 4.407 | 4.370 | 4.337 | 4.445 | 4.601 |
| 1. | 4.739 | 4.844 | 4.763 | 4.537 | 4.175 | 3.718 | 3.231 | 2.803 | 2.473 | 2.308 |
| 2. | 2.376 | 2.632 | 2.846 | 2.985 | 2.960 | 2.788 | 2.554 | 2.424 | 2.610 | 2.923 |
| 3. | 3.357 | 3.785 | 4.208 | 4.561 | 4.738 | 4.686 | 4.548 | 4.465 | 4.423 | 4.318 |
| 4. | 4.055 | 3.682 | 3.225 | 3.162 | 3.515 | 4.303 | 4.981 | 5.454 | 5.777 | 5.782 |
| 5. | 5.643 | 5.574 | 5.453 | 5.230 | 4.988 | 4.855 | 4.973 | 5.280 | 5.459 | 5.328 |
| 6. | 4.804 | 4.336 | 3.888 | 3.473 | 3.021 | 2.679 | 2.655 | 3.000 | 3.568 | 4.160 |
| 7. | 4.660 | 4.854 | 4.616 | 3.870 | 3.285 | 3.106 | 3.326 | 3.905 | 4.505 | 4.579 |
| 8. | 4.368 | 3.983 | 3.581 | 3.353 | 3.207 | 3.163 | 3.187 | 3.182 | 3.082 | 2.932 |
| 9. | 2.780 | 2.708 | 2.820 | 3.070 | 3.318 | 3.434 | 3.449 | 3.481 | 3.611 | 3.876 |
| 2770. | 4.428 | 4.625 | 4.889 | 5.020 | 4.837 | 4.457 | 4.239 | 4.271 | 4.666 | 5.092 |
| 1. | 5.357 | 5.471 | 5.461 | 5.417 | 5.252 | 5.036 | 4.897 | 4.495 | 3.894 | 3.383 |
| 2. | 2.897 | 2.614 | 2.631 | 2.931 | 3.363 | 3.810 | 4.175 | 4.601 | 4.942 | 5.159 |
| 3. | 5.239 | 5.145 | 4.827 | 4.728 | 4.846 | 5.019 | 5.170 | 5.298 | 5.276 | 5.065 |
| 4. | 4.758 | 4.643 | 4.669 | 4.778 | 4.917 | 4.930 | 4.681 | 4.316 | 4.047 | 3.900 |
| 5. | 3.902 | 4.027 | 4.185 | 4.132 | 4.043 | 4.014 | 4.048 | 4.089 | 4.070 | 4.074 |
| 6. | 4.137 | 4.214 | 4.250 | 3.843 | 3.133 | 2.496 | 2.180 | 2.128 | 2.245 | 2.596 |
| 7. | 3.213 | 3.983 | 4.566 | 4.630 | 4.505 | 4.175 | 3.792 | 3.354 | 2.762 | 2.248 |
| 8. | 1.851 | 1.637 | 1.669 | 1.901 | 2.359 | 2.697 | 2.895 | 2.917 | 2.926 | 2.914 |
| 9. | 2.896 | 2.860 | 2.821 | 2.776 | 2.718 | 2.624 | 2.468 | 2.218 | 1.940 | 1.846 |

[a]These values should be multiplied by $10^{13}$

**Table 3. (Cont'd)**

| Wavelength, Å | Intensity,[a] photons/cm² sec Å | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | +0.0 Å | +0.1 Å | +0.2 Å | +0.3 Å | +0.4 Å | +0.5 Å | +0.6 Å | +0.7 Å | +0.8 Å | +0.9 Å |
| 2780. | 2.094 | 2.321 | 2.554 | 2.737 | 2.879 | 2.990 | 2.982 | 2.855 | 2.675 | 2.577 |
| 1. | 2.567 | 2.572 | 2.479 | 2.274 | 2.092 | 2.147 | 2.362 | 2.612 | 2.761 | 2.799 |
| 2. | 2.823 | 2.860 | 2.893 | 2.914 | 2.938 | 2.946 | 2.883 | 2.668 | 2.393 | 2.167 |
| 3. | 2.082 | 2.147 | 2.214 | 2.253 | 2.300 | 2.290 | 2.234 | 2.187 | 2.220 | 2.320 |
| 4. | 2.434 | 2.549 | 2.621 | 2.608 | 2.590 | 2.614 | 2.680 | 2.718 | 2.655 | 2.520 |
| 5. | 2.413 | 2.368 | 2.431 | 2.531 | 2.640 | 2.706 | 2.701 | 2.693 | 2.660 | 2.639 |
| 6. | 2.643 | 2.576 | 2.507 | 2.525 | 2.526 | 2.518 | 2.499 | 2.482 | 2.523 | 2.508 |
| 7. | 2.464 | 2.419 | 2.371 | 2.331 | 2.291 | 2.225 | 2.105 | 1.921 | 1.704 | 1.521 |
| 8. | 1.397 | 1.378 | 1.472 | 1.644 | 1.825 | 2.005 | 2.124 | 2.167 | 2.118 | 1.979 |
| 9. | 1.874 | 1.847 | 1.872 | 1.829 | 1.725 | 1.637 | 1.591 | 1.574 | 1.622 | 1.701 |
| 2790. | 1.860 | 1.866 | 1.859 | 1.849 | 1.841 | 1.796 | 1.729 | 1.635 | 1.545 | 1.487 |
| 1. | 1.459 | 1.471 | 1.493 | 1.518 | 1.527 | 1.520 | 1.506 | 1.472 | 1.441 | 1.402 |
| 2. | 1.367 | 1.359 | 1.350 | 1.326 | 1.293 | 1.257 | 1.226 | 1.209 | 1.195 | 1.182 |
| 3. | 1.153 | 1.134 | 1.099 | 1.053 | 1.012 | 0.984 | 0.961 | 0.936 | 0.929 | 0.907 |
| 4. | 0.882 | 0.847 | 0.809 | 0.788 | 0.777 | 0.756 | 0.727 | 0.686 | 0.659 | 0.682 |
| 5. | 0.893 | 1.200 | 1.664 | 2.129 | 2.434 | 2.557 | 2.521 | 2.310 | 1.987 | 1.617 |
| 6. | 1.290 | 0.992 | 0.799 | 0.711 | 0.667 | 0.656 | 0.685 | 0.716 | 0.749 | 0.777 |
| 7. | 0.809 | 0.842 | 0.869 | 0.887 | 0.897 | 0.905 | 0.888 | 0.833 | 0.782 | 0.762 |
| 8. | 0.768 | 0.794 | 0.846 | 0.900 | 0.957 | 1.019 | 1.045 | 1.069 | 1.108 | 1.133 |
| 9. | 1.149 | 1.155 | 1.148 | 1.144 | 1.156 | 1.168 | 1.168 | 1.159 | 1.136 | 1.121 |
| 2800. | 1.284 | 1.298 | 1.271 | 1.237 | 1.201 | 1.170 | 1.136 | 1.096 | 1.063 | 1.033 |
| 1. | 0.999 | 0.969 | 0.934 | 0.907 | 0.924 | 0.964 | 0.976 | 0.950 | 0.893 | 0.863 |
| 2. | 0.880 | 1.023 | 1.266 | 1.518 | 1.799 | 2.028 | 2.133 | 2.041 | 1.795 | 1.512 |
| 3. | 1.247 | 1.044 | 0.907 | 0.814 | 0.784 | 0.816 | 0.855 | 0.901 | 0.970 | 1.024 |
| 4. | 1.054 | 1.061 | 1.071 | 1.102 | 1.127 | 1.156 | 1.181 | 1.201 | 1.239 | 1.275 |
| 5. | 1.308 | 1.349 | 1.374 | 1.392 | 1.430 | 1.462 | 1.492 | 1.520 | 1.526 | 1.582 |
| 6. | 1.642 | 1.678 | 1.709 | 1.744 | 1.790 | 1.831 | 1.831 | 1.769 | 1.681 | 1.603 |
| 7. | 1.647 | 1.724 | 1.785 | 1.853 | 1.968 | 2.079 | 2.161 | 2.201 | 2.186 | 2.131 |
| 8. | 2.099 | 2.153 | 2.245 | 2.284 | 2.279 | 2.292 | 2.382 | 2.458 | 2.522 | 2.573 |
| 9. | 2.606 | 2.698 | 2.765 | 2.821 | 2.825 | 2.788 | 2.748 | 2.709 | 2.684 | 2.670 |

[a]These values should be multiplied by $10^{12}$

**Table 3. (Cont'd)**

| Wavelength, Å | Intensity,[a] photons/cm² sec Å | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | +0.0 Å | +0.1 Å | +0.2 Å | +0.3 Å | +0.4 Å | +0.5 Å | +0.6 Å | +0.7 Å | +0.8 Å | +0.9 Å |
| 2810. | 2.640 | 2.560 | 2.554 | 2.628 | 2.708 | 2.779 | 2.822 | 2.789 | 2.719 | 2.598 |
| 1. | 2.516 | 2.443 | 2.360 | 2.429 | 2.524 | 2.615 | 2.661 | 2.663 | 2.629 | 2.561 |
| 2. | 2.487 | 2.457 | 2.492 | 2.545 | 2.653 | 2.784 | 2.901 | 2.959 | 2.945 | 2.874 |
| 3. | 2.746 | 2.548 | 2.305 | 2.126 | 2.149 | 2.372 | 2.637 | 2.922 | 3.229 | 3.511 |
| 4. | 3.773 | 3.935 | 4.051 | 4.048 | 4.157 | 4.286 | 4.386 | 4.457 | 4.535 | 4.602 |
| 5. | 4.596 | 4.560 | 4.463 | 4.366 | 4.198 | 4.014 | 3.816 | 3.769 | 3.796 | 3.835 |
| 6. | 3.869 | 3.921 | 3.982 | 3.982 | 3.868 | 3.758 | 3.633 | 3.481 | 3.497 | 3.691 |
| 7. | 3.899 | 3.994 | 3.939 | 3.744 | 3.569 | 3.463 | 3.483 | 3.550 | 3.533 | 3.656 |
| 8. | 3.862 | 4.137 | 4.465 | 4.717 | 4.777 | 4.712 | 4.646 | 4.635 | 4.637 | 4.637 |
| 9. | 4.637 | 4.541 | 4.281 | 3.921 | 3.861 | 4.086 | 4.385 | 4.686 | 4.935 | 5.117 |
| 2820. | 5.356 | 5.281 | 5.115 | 4.998 | 5.055 | 5.121 | 5.061 | 4.861 | 4.593 | 4.343 |
| 1. | 4.233 | 4.326 | 4.329 | 4.219 | 4.125 | 4.275 | 4.515 | 4.780 | 4.991 | 5.066 |
| 2. | 5.025 | 4.786 | 4.467 | 4.133 | 3.846 | 3.748 | 3.900 | 4.256 | 4.580 | 4.657 |
| 3. | 4.409 | 4.000 | 3.756 | 4.036 | 4.653 | 5.417 | 6.148 | 6.589 | 6.623 | 6.388 |
| 4. | 6.012 | 5.635 | 5.314 | 5.031 | 5.010 | 5.270 | 5.577 | 5.919 | 6.257 | 6.466 |
| 5. | 6.321 | 5.594 | 4.413 | 3.198 | 2.804 | 2.516 | 2.478 | 2.669 | 3.000 | 3.394 |
| 6. | 3.850 | 4.270 | 4.654 | 4.869 | 4.950 | 4.988 | 5.045 | 5.288 | 5.610 | 5.858 |
| 7. | 5.944 | 5.874 | 5.646 | 5.252 | 4.793 | 4.353 | 3.989 | 3.881 | 4.017 | 4.394 |
| 8. | 4.896 | 5.285 | 5.597 | 5.668 | 5.404 | 4.712 | 4.229 | 4.159 | 4.466 | 5.061 |
| 9. | 5.624 | 5.794 | 5.671 | 5.577 | 5.776 | 6.319 | 6.917 | 7.212 | 7.144 | 6.830 |
| 2830. | 6.529 | 5.836 | 5.298 | 4.880 | 4.742 | 4.814 | 4.897 | 5.194 | 5.714 | 6.318 |
| 1. | 6.945 | 7.490 | 7.761 | 7.783 | 7.398 | 6.591 | 5.849 | 5.639 | 5.562 | 5.236 |
| 2. | 4.450 | 3.790 | 3.456 | 3.620 | 4.038 | 5.012 | 6.260 | 6.778 | 7.047 | 7.017 |
| 3. | 6.793 | 6.322 | 5.827 | 5.484 | 5.379 | 5.827 | 6.412 | 6.636 | 6.532 | 5.988 |
| 4. | 5.520 | 5.274 | 5.059 | 4.914 | 4.858 | 4.868 | 5.006 | 5.180 | 5.367 | 5.539 |
| 5. | 5.614 | 5.432 | 4.951 | 3.930 | 2.886 | 2.331 | 2.259 | 2.443 | 2.778 | 3.165 |
| 6. | 3.633 | 3.974 | 4.080 | 4.094 | 4.196 | 4.499 | 5.181 | 6.144 | 6.668 | 6.455 |
| 7. | 6.094 | 5.776 | 5.684 | 5.928 | 6.804 | 7.854 | 8.354 | 7.817 | 6.485 | 5.343 |
| 8. | 4.625 | 4.301 | 4.442 | 4.903 | 5.555 | 6.313 | 6.916 | 7.023 | 6.763 | 6.309 |
| 9. | 5.829 | 5.352 | 5.207 | 5.306 | 5.648 | 5.985 | 6.206 | 6.258 | 6.015 | 5.580 |

[a]These values should be multiplied by $10^{12}$

**Table 3. (Cont'd)**

| Wavelength, Å | Intensity,[a] photons/cm² sec Å | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | +0.0 Å | +0.1 Å | +0.2 Å | +0.3 Å | +0.4 Å | +0.5 Å | +0.6 Å | +0.7 Å | +0.8 Å | +0.9 Å |
| 2840. | 5.026 | 4.615 | 4.248 | 3.975 | 3.780 | 3.663 | 3.692 | 3.908 | 4.275 | 4.624 |
| 1. | 4.345 | 4.961 | 5.000 | 5.082 | 5.320 | 5.787 | 6.328 | 6.574 | 6.429 | 6.002 |
| 2. | 5.671 | 5.638 | 5.816 | 6.010 | 6.098 | 5.930 | 5.541 | 5.105 | 4.618 | 3.994 |
| 3. | 3.408 | 3.016 | 2.762 | 2.679 | 2.703 | 2.657 | 2.597 | 2.599 | 2.751 | 3.030 |
| 4. | 3.534 | 4.259 | 4.857 | 5.208 | 5.428 | 5.587 | 5.708 | 5.767 | 5.807 | 5.785 |
| 5. | 5.617 | 5.180 | 4.315 | 3.563 | 3.023 | 2.726 | 2.865 | 3.267 | 3.701 | 4.084 |
| 6. | 4.268 | 4.181 | 3.874 | 3.478 | 3.121 | 2.839 | 2.684 | 2.788 | 2.944 | 3.078 |
| 7. | 3.182 | 3.243 | 3.267 | 3.260 | 3.178 | 3.046 | 2.833 | 2.587 | 2.359 | 2.180 |
| 8. | 2.023 | 1.994 | 2.002 | 2.010 | 2.096 | 2.179 | 2.269 | 2.297 | 2.296 | 2.295 |
| 9. | 2.230 | 2.108 | 1.967 | 1.781 | 1.548 | 1.375 | 1.273 | 1.269 | 1.338 | 1.389 |
| 2850. | 1.341 | 1.493 | 1.499 | 1.466 | 1.394 | 1.300 | 1.192 | 1.074 | 0.996 | 0.932 |
| 1. | 0.871 | 0.817 | 0.775 | 0.723 | 0.640 | 0.577 | 0.545 | 0.520 | 0.496 | 0.468 |
| 2. | 0.457 | 0.479 | 0.520 | 0.553 | 0.604 | 0.629 | 0.686 | 0.757 | 0.811 | 0.866 |
| 3. | 0.907 | 1.022 | 1.105 | 1.203 | 1.264 | 1.323 | 1.381 | 1.429 | 1.471 | 1.549 |
| 4. | 1.631 | 1.721 | 1.809 | 1.891 | 1.979 | 2.053 | 2.128 | 2.216 | 2.281 | 2.309 |
| 5. | 2.316 | 2.256 | 2.197 | 2.159 | 2.200 | 2.301 | 2.440 | 2.530 | 2.584 | 2.592 |
| 6. | 2.589 | 2.618 | 2.669 | 2.717 | 2.792 | 2.880 | 2.971 | 3.045 | 3.119 | 3.207 |
| 7. | 3.296 | 3.403 | 3.528 | 3.672 | 3.771 | 3.717 | 3.555 | 3.434 | 3.420 | 3.485 |
| 8. | 3.458 | 3.338 | 3.266 | 3.319 | 3.389 | 3.339 | 3.230 | 3.179 | 3.275 | 3.612 |
| 9. | 4.215 | 4.794 | 5.151 | 5.325 | 5.341 | 5.280 | 5.326 | 5.494 | 5.674 | 5.875 |
| 2860. | 5.971 | 6.240 | 6.349 | 6.293 | 6.075 | 5.738 | 5.429 | 5.115 | 4.696 | 4.285 |
| 1. | 4.025 | 4.312 | 4.754 | 5.283 | 5.878 | 6.646 | 7.155 | 7.234 | 6.869 | 6.290 |
| 2. | 5.859 | 5.659 | 5.443 | 4.982 | 4.296 | 3.762 | 3.930 | 4.545 | 5.207 | 5.822 |
| 3. | 6.300 | 6.416 | 6.176 | 5.710 | 5.318 | 4.980 | 4.795 | 4.744 | 4.779 | 4.928 |
| 4. | 5.385 | 6.038 | 6.666 | 7.080 | 7.328 | 7.490 | 7.430 | 6.932 | 5.803 | 4.545 |
| 5. | 3.708 | 3.378 | 3.460 | 3.655 | 3.949 | 4.367 | 5.032 | 5.959 | 6.952 | 7.818 |
| 6. | 8.303 | 8.392 | 8.049 | 7.244 | 5.876 | 4.549 | 4.093 | 4.086 | 4.340 | 4.635 |
| 7. | 4.977 | 5.305 | 5.367 | 5.112 | 4.547 | 4.123 | 4.208 | 4.539 | 4.937 | 5.319 |
| 8. | 5.481 | 5.489 | 5.444 | 5.519 | 5.612 | 5.571 | 5.376 | 4.934 | 4.403 | 3.876 |
| 9. | 3.465 | 3.199 | 3.212 | 3.716 | 4.449 | 5.139 | 5.495 | 5.582 | 5.647 | 5.718 |

[a]These values should be multiplied by $10^{12}$

**Table 3. (Cont'd)**

| Wavelength, Å | Intensity,[a] photons/cm² sec Å | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | +0.0 Å | +0.1 Å | +0.2 Å | +0.3 Å | +0.4 Å | +0.5 Å | +0.6 Å | +0.7 Å | +0.8 Å | +0.9 Å |
| 2870. | 5.845 | 6.505 | 7.048 | 7.091 | 6.875 | 6.835 | 7.303 | 8.019 | 8.549 | 8.369 |
| 1. | 7.718 | 7.233 | 7.341 | 7.763 | 8.155 | 8.262 | 8.332 | 8.590 | 8.880 | 9.211 |
| 2. | 9.372 | 9.090 | 7.394 | 5.285 | 4.875 | 5.147 | 5.946 | 6.877 | 7.671 | 8.288 |
| 3. | 8.687 | 8.472 | 6.843 | 4.813 | 4.057 | 4.365 | 4.816 | 5.197 | 5.131 | 4.624 |
| 4. | 4.233 | 4.295 | 4.784 | 5.624 | 6.786 | 7.857 | 8.288 | 8.177 | 7.637 | 6.803 |
| 5. | 6.031 | 5.496 | 5.249 | 5.342 | 5.691 | 6.011 | 6.249 | 5.880 | 5.137 | 4.410 |
| 6. | 3.958 | 4.028 | 4.296 | 4.576 | 4.779 | 4.963 | 5.178 | 5.604 | 6.248 | 6.989 |
| 7. | 7.092 | 6.283 | 5.548 | 5.367 | 5.786 | 6.345 | 6.732 | 6.917 | 6.743 | 6.674 |
| 8. | 6.761 | 6.568 | 5.896 | 4.851 | 4.163 | 3.846 | 3.838 | 3.830 | 3.708 | 3.453 |
| 9. | 3.121 | 3.087 | 3.265 | 3.555 | 4.009 | 4.420 | 4.511 | 4.522 | 4.523 | 4.523 |
| 2880. | 4.493 | 4.154 | 3.912 | 3.782 | 3.593 | 3.246 | 2.708 | 2.213 | 2.028 | 2.020 |
| 1. | 2.049 | 1.992 | 1.833 | 1.584 | 1.348 | 1.274 | 1.387 | 1.602 | 1.712 | 1.760 |
| 2. | 1.915 | 2.127 | 2.354 | 2.521 | 2.607 | 2.729 | 2.916 | 3.117 | 3.287 | 3.471 |
| 3. | 3.867 | 4.595 | 5.099 | 5.304 | 5.024 | 4.743 | 4.325 | 4.222 | 4.537 | 4.850 |
| 4. | 5.142 | 5.605 | 6.212 | 6.711 | 7.184 | 7.503 | 7.607 | 7.598 | 7.672 | 7.944 |
| 5. | 8.291 | 8.500 | 8.575 | 8.545 | 8.435 | 8.377 | 8.302 | 8.147 | 7.818 | 7.329 |
| 6. | 6.872 | 6.486 | 6.111 | 5.889 | 5.923 | 6.222 | 6.824 | 7.390 | 7.707 | 7.651 |
| 7. | 7.262 | 6.829 | 6.673 | 6.887 | 7.118 | 7.365 | 7.248 | 6.556 | 5.448 | 4.827 |
| 8. | 4.851 | 5.428 | 6.070 | 6.894 | 7.658 | 8.161 | 8.270 | 8.105 | 7.780 | 7.374 |
| 9. | 6.846 | 6.663 | 6.593 | 6.138 | 5.758 | 5.427 | 5.227 | 5.201 | 5.294 | 5.419 |
| 2890. | 6.072 | 7.079 | 7.872 | 8.454 | 8.553 | 8.058 | 7.472 | 7.005 | 6.561 | 6.188 |
| 1. | 5.810 | 5.665 | 5.945 | 6.379 | 6.784 | 6.961 | 6.846 | 6.619 | 7.063 | 7.687 |
| 2. | 8.477 | 9.097 | 9.256 | 8.928 | 7.395 | 5.620 | 4.747 | 4.877 | 5.548 | 6.402 |
| 3. | 7.167 | 7.513 | 6.609 | 5.914 | 5.866 | 6.708 | 7.553 | 7.797 | 7.544 | 7.124 |
| 4. | 6.693 | 6.356 | 6.217 | 6.269 | 6.381 | 6.584 | 6.757 | 6.548 | 6.192 | 5.909 |
| 5. | 5.880 | 6.593 | 7.652 | 8.717 | 9.744 | 10.455 | 10.915 | 11.074 | 10.936 | 10.355 |
| 6. | 9.425 | 8.538 | 8.039 | 7.924 | 7.954 | 8.037 | 8.264 | 8.655 | 8.941 | 9.254 |
| 7. | 9.305 | 9.245 | 9.263 | 9.391 | 9.376 | 9.010 | 8.329 | 7.686 | 7.518 | 7.833 |
| 8. | 8.157 | 8.283 | 8.245 | 8.118 | 7.897 | 7.940 | 8.320 | 8.859 | 9.411 | 9.890 |
| 9. | 9.976 | 9.518 | 8.586 | 7.822 | 7.353 | 7.551 | 8.497 | 9.723 | 10.820 | 11.513 |

[a]These values should be multiplied by $10^{12}$

**Table 3. (Cont'd)**

| Wavelength, Å | Intensity,[a] photons/cm² sec Å | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | +0.0 Å | +0.1 Å | +0.2 Å | +0.3 Å | +0.4 Å | +0.5 Å | +0.6 Å | +0.7 Å | +0.8 Å | +0.9 Å |
| 2900. | 12.501 | 11.485 | 11.386 | 12.207 | 11.084 | 12.883 | 13.434 | 13.487 | 12.955 | 12.087 |
| 1. | 11.685 | 11.170 | 10.278 | 9.310 | 8.633 | 8.281 | 7.979 | 7.577 | 7.646 | 8.292 |
| 2. | 9.130 | 9.767 | 9.743 | 9.584 | 9.563 | 9.911 | 10.445 | 10.871 | 10.922 | 10.696 |
| 3. | 10.525 | 11.056 | 12.044 | 13.243 | 14.108 | 14.369 | 13.761 | 12.485 | 11.118 | 9.796 |
| 4. | 8.753 | 8.438 | 9.162 | 10.112 | 11.235 | 12.217 | 12.961 | 13.454 | 13.452 | 12.675 |
| 5. | 11.401 | 10.145 | 9.212 | 8.915 | 9.198 | 9.704 | 10.155 | 10.540 | 10.877 | 11.089 |
| 6. | 11.018 | 10.632 | 9.784 | 8.449 | 7.559 | 7.350 | 8.276 | 9.609 | 11.218 | 12.260 |
| 7. | 12.460 | 11.532 | 9.852 | 8.936 | 8.817 | 9.269 | 9.609 | 9.404 | 8.990 | 8.686 |
| 8. | 9.079 | 9.415 | 9.842 | 10.148 | 10.080 | 9.606 | 8.917 | 8.328 | 8.057 | 8.345 |
| 9. | 9.269 | 10.181 | 10.572 | 10.635 | 10.703 | 10.744 | 10.251 | 9.308 | 8.396 | 8.076 |
| 2910. | 8.322 | 8.720 | 9.552 | 10.391 | 10.782 | 10.546 | 10.036 | 9.460 | 8.768 | 8.061 |
| 1. | 7.926 | 8.746 | 10.011 | 10.833 | 11.326 | 11.660 | 11.637 | 11.212 | 10.311 | 8.733 |
| 2. | 6.793 | 5.982 | 6.194 | 7.397 | 9.519 | 11.860 | 13.731 | 14.842 | 15.077 | 14.481 |
| 3. | 13.997 | 13.709 | 13.295 | 12.591 | 11.661 | 10.770 | 10.149 | 10.031 | 10.482 | 10.910 |
| 4. | 10.512 | 9.543 | 8.703 | 8.401 | 8.880 | 9.476 | 10.256 | 10.827 | 11.201 | 10.895 |
| 5. | 9.738 | 7.951 | 6.564 | 6.045 | 6.316 | 7.132 | 8.150 | 8.895 | 9.137 | 9.039 |
| 6. | 8.788 | 8.735 | 9.330 | 10.077 | 10.833 | 11.318 | 11.529 | 11.545 | 11.364 | 11.043 |
| 7. | 10.711 | 10.427 | 10.226 | 9.965 | 8.848 | 8.414 | 8.452 | 8.692 | 8.631 | 8.098 |
| 8. | 7.293 | 6.729 | 7.090 | 7.973 | 8.976 | 9.846 | 10.207 | 9.751 | 8.759 | 8.165 |
| 9. | 8.445 | 9.322 | 10.576 | 11.784 | 12.271 | 11.998 | 11.137 | 9.882 | 8.841 | 8.743 |
| 2920. | 8.447 | 8.655 | 8.987 | 9.310 | 9.565 | 9.842 | 10.180 | 10.413 | 10.344 | 10.100 |
| 1. | 9.803 | 9.814 | 10.525 | 11.430 | 11.518 | 11.047 | 10.585 | 10.459 | 10.366 | 10.186 |
| 2. | 9.883 | 9.437 | 9.229 | 9.192 | 9.571 | 10.700 | 11.914 | 12.711 | 12.855 | 12.274 |
| 3. | 10.673 | 8.307 | 6.476 | 5.801 | 5.908 | 6.185 | 6.347 | 6.296 | 6.173 | 6.277 |
| 4. | 7.264 | 8.855 | 9.676 | 10.012 | 9.696 | 8.645 | 7.772 | 7.738 | 8.625 | 9.708 |
| 5. | 10.553 | 10.687 | 9.996 | 9.092 | 8.207 | 7.030 | 5.971 | 5.431 | 5.668 | 6.265 |
| 6. | 7.057 | 7.846 | 8.193 | 7.734 | 6.819 | 5.919 | 5.155 | 5.150 | 5.757 | 7.224 |
| 7. | 9.020 | 10.651 | 11.522 | 11.768 | 11.473 | 10.733 | 10.168 | 10.016 | 9.628 | 8.616 |
| 8. | 7.725 | 7.133 | 6.869 | 6.808 | 6.569 | 5.939 | 5.143 | 4.317 | 3.715 | 3.492 |
| 9. | 3.516 | 4.034 | 5.166 | 6.687 | 8.029 | 9.212 | 10.699 | 12.087 | 13.249 | 13.961 |

[a]These values should be multiplied by $10^{13}$

**Table 3. (Cont'd)**

| Wavelength, Å | Intensity,[a] photons/cm² sec Å | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | +0.0 Å | +0.1 Å | +0.2 Å | +0.3 Å | +0.4 Å | +0.5 Å | +0.6 Å | +0.7 Å | +0.8 Å | +0.9 Å |
| 2930. | 14.098 | 13.668 | 13.005 | 12.317 | 11.522 | 10.456 | 9.333 | 8.683 | 8.740 | 9.371 |
| 1. | 10.562 | 11.464 | 11.640 | 11.227 | 10.622 | 10.174 | 10.101 | 10.593 | 11.393 | 12.301 |
| 2. | 13.310 | 14.067 | 14.304 | 13.871 | 13.020 | 11.825 | 10.266 | 8.680 | 7.719 | 7.203 |
| 3. | 7.067 | 7.596 | 8.575 | 9.619 | 10.374 | 10.588 | 10.222 | 9.711 | 9.551 | 9.667 |
| 4. | 9.872 | 9.837 | 9.492 | 9.145 | 9.123 | 9.960 | 11.163 | 12.492 | 13.281 | 13.633 |
| 5. | 13.182 | 12.693 | 12.921 | 13.311 | 13.475 | 13.356 | 12.870 | 11.681 | 9.818 | 8.149 |
| 6. | 6.839 | 5.657 | 4.797 | 4.057 | 3.431 | 2.951 | 2.644 | 2.495 | 2.604 | 3.094 |
| 7. | 3.652 | 4.502 | 5.737 | 6.894 | 7.481 | 7.489 | 7.282 | 7.086 | 6.957 | 7.356 |
| 8. | 8.141 | 8.564 | 8.431 | 8.062 | 7.946 | 8.287 | 8.832 | 9.221 | 8.665 | 7.243 |
| 9. | 5.539 | 4.293 | 3.797 | 3.906 | 4.567 | 6.203 | 8.756 | 10.447 | 11.197 | 11.706 |
| 2940. | 12.658 | 12.122 | 10.565 | 8.511 | 7.447 | 7.217 | 7.595 | 8.739 | 9.323 | 9.196 |
| 1. | 8.195 | 6.970 | 5.709 | 4.839 | 4.829 | 5.470 | 6.599 | 7.434 | 7.525 | 7.467 |
| 2. | 7.497 | 8.054 | 9.550 | 10.899 | 11.403 | 11.402 | 11.670 | 11.965 | 12.033 | 11.713 |
| 3. | 11.362 | 11.309 | 11.403 | 11.308 | 10.988 | 10.548 | 9.814 | 9.098 | 8.529 | 8.353 |
| 4. | 8.373 | 8.198 | 7.408 | 6.097 | 5.512 | 5.652 | 6.471 | 8.261 | 10.005 | 10.079 |
| 5. | 9.181 | 8.089 | 7.934 | 8.386 | 9.409 | 10.352 | 10.653 | 10.711 | 10.909 | 11.406 |
| 6. | 12.255 | 13.252 | 14.079 | 14.369 | 14.270 | 13.531 | 12.293 | 10.720 | 9.527 | 9.014 |
| 7. | 8.645 | 8.018 | 6.946 | 5.561 | 3.984 | 2.750 | 2.282 | 2.130 | 2.251 | 2.655 |
| 8. | 3.158 | 3.753 | 4.323 | 4.911 | 5.717 | 6.399 | 6.853 | 6.770 | 6.234 | 5.436 |
| 9. | 4.633 | 3.841 | 3.450 | 3.806 | 4.831 | 5.940 | 6.829 | 7.826 | 8.824 | 9.309 |
| 2950. | 9.922 | 9.213 | 8.399 | 7.987 | 8.483 | 9.640 | 10.932 | 11.776 | 11.847 | 11.459 |
| 1. | 11.273 | 11.118 | 10.803 | 10.427 | 10.310 | 10.800 | 11.733 | 12.930 | 13.428 | 13.081 |
| 2. | 12.234 | 11.076 | 10.604 | 10.769 | 11.737 | 12.732 | 13.724 | 14.205 | 14.343 | 14.135 |
| 3. | 13.714 | 13.436 | 12.861 | 11.531 | 9.553 | 7.205 | 5.136 | 3.872 | 3.148 | 3.060 |
| 4. | 3.374 | 3.852 | 4.579 | 5.624 | 7.271 | 8.764 | 9.176 | 9.211 | 9.453 | 10.023 |
| 5. | 10.626 | 11.339 | 12.139 | 12.884 | 13.425 | 13.468 | 12.893 | 11.965 | 10.688 | 9.967 |
| 6. | 9.656 | 9.731 | 10.030 | 10.548 | 11.055 | 10.937 | 10.254 | 8.858 | 7.613 | 7.064 |
| 7. | 6.789 | 6.350 | 5.493 | 4.627 | 4.160 | 4.481 | 5.368 | 6.739 | 8.455 | 10.197 |
| 8. | 11.629 | 12.502 | 12.726 | 12.443 | 12.083 | 11.887 | 11.967 | 12.154 | 12.221 | 12.291 |
| 9. | 12.549 | 12.559 | 11.998 | 11.449 | 10.786 | 9.679 | 8.514 | 8.055 | 8.139 | 8.286 |

[a]These values should be multiplied by $10^{12}$

**Table 3. (Cont'd)**

| Wavelength, Å | Intensity,[a] photons/cm² sec Å | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | +0.0 Å | +0.1 Å | +0.2 Å | +0.3 Å | +0.4 Å | +0.5 Å | +0.6 Å | +0.7 Å | +0.8 Å | +0.9 Å |
| 2960. | 9.395 | 9.899 | 9.975 | 9.582 | 9.116 | 9.048 | 9.639 | 10.793 | 11.616 | 11.383 |
| 1. | 10.311 | 9.045 | 7.796 | 7.718 | 8.547 | 9.663 | 10.734 | 11.904 | 13.114 | 13.697 |
| 2. | 13.443 | 13.025 | 12.424 | 11.834 | 11.504 | 11.636 | 12.199 | 12.916 | 13.614 | 14.299 |
| 3. | 14.862 | 15.072 | 14.506 | 13.221 | 11.594 | 10.529 | 10.404 | 10.908 | 11.563 | 11.715 |
| 4. | 11.466 | 11.102 | 10.827 | 10.556 | 10.412 | 9.667 | 8.883 | 8.017 | 7.064 | 6.080 |
| 5. | 5.195 | 4.392 | 3.926 | 3.875 | 4.327 | 5.094 | 6.012 | 6.793 | 7.164 | 6.937 |
| 6. | 6.579 | 6.347 | 6.161 | 5.894 | 5.582 | 5.053 | 4.461 | 3.673 | 3.084 | 2.692 |
| 7. | 2.649 | 3.038 | 3.569 | 4.244 | 5.034 | 5.843 | 6.643 | 7.523 | 8.406 | 9.136 |
| 8. | 9.994 | 10.614 | 10.697 | 9.646 | 8.471 | 7.733 | 7.669 | 8.121 | 8.872 | 9.519 |
| 9. | 9.947 | 9.990 | 9.120 | 7.432 | 5.722 | 4.883 | 4.907 | 5.215 | 5.585 | 5.587 |
| 2970. | 5.742 | 5.096 | 4.156 | 3.769 | 3.518 | 3.601 | 3.927 | 4.594 | 5.582 | 6.982 |
| 1. | 8.173 | 8.852 | 9.331 | 10.164 | 11.290 | 12.039 | 11.546 | 10.258 | 8.880 | 8.245 |
| 2. | 8.299 | 8.783 | 9.257 | 9.301 | 8.936 | 8.564 | 8.202 | 7.480 | 5.827 | 4.114 |
| 3. | 3.330 | 2.887 | 2.718 | 2.848 | 3.299 | 3.989 | 4.760 | 5.594 | 6.593 | 7.582 |
| 4. | 8.684 | 9.838 | 10.696 | 11.233 | 11.873 | 12.299 | 12.302 | 12.064 | 12.064 | 12.313 |
| 5. | 12.649 | 12.704 | 12.248 | 11.525 | 11.106 | 10.879 | 10.800 | 10.557 | 10.031 | 9.458 |
| 6. | 8.902 | 8.583 | 8.729 | 9.080 | 9.431 | 9.761 | 10.049 | 10.542 | 11.267 | 12.430 |
| 7. | 13.616 | 15.192 | 16.644 | 17.224 | 16.570 | 15.559 | 15.289 | 15.117 | 15.042 | 14.528 |
| 8. | 13.702 | 12.972 | 12.535 | 12.281 | 12.132 | 12.047 | 11.790 | 11.354 | 11.150 | 11.046 |
| 9. | 10.474 | 9.149 | 8.147 | 7.479 | 7.501 | 7.904 | 8.245 | 8.451 | 8.287 | 8.229 |
| 2980. | 8.652 | 9.745 | 10.765 | 11.390 | 11.325 | 10.822 | 9.843 | 8.924 | 8.681 | 8.591 |
| 1. | 8.541 | 8.402 | 8.064 | 7.453 | 6.598 | 5.567 | 4.454 | 3.488 | 3.334 | 3.674 |
| 2. | 4.149 | 4.733 | 5.322 | 5.956 | 6.680 | 7.484 | 8.285 | 9.069 | 9.678 | 9.665 |
| 3. | 8.934 | 8.167 | 7.221 | 6.039 | 4.872 | 3.924 | 3.265 | 2.738 | 2.542 | 2.759 |
| 4. | 3.074 | 3.526 | 4.112 | 4.796 | 5.540 | 6.309 | 6.517 | 6.310 | 5.821 | 4.942 |
| 5. | 4.217 | 4.080 | 4.539 | 5.130 | 5.704 | 6.140 | 5.962 | 5.282 | 4.729 | 4.515 |
| 6. | 4.762 | 5.140 | 5.666 | 6.436 | 7.279 | 7.767 | 7.332 | 7.200 | 8.067 | 9.214 |
| 7. | 10.009 | 9.905 | 8.536 | 6.611 | 5.469 | 4.712 | 4.336 | 4.232 | 4.453 | 4.937 |
| 8. | 5.696 | 6.770 | 8.079 | 9.390 | 10.356 | 10.794 | 10.619 | 9.845 | 8.785 | 8.108 |
| 9. | 8.155 | 8.286 | 8.502 | 8.846 | 9.359 | 9.896 | 10.170 | 10.243 | 10.377 | 10.846 |

[a]*These values should be multiplied by $10^{13}$*

**Table 4. Solar spectrum integrated over 1-Å intervals in the region 880 to 1550 Å**

| Wavelength, Å | Intensity,[a] photons/cm² sec Å | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | +0 Å | +1 Å | +2 Å | +3 Å | +4 Å | +5 Å | +6 Å | +7 Å | +8 Å | +9 Å |
| 880 | | 1.176 | 1.191 | 1.314 | 1.474 | 1.296 | 1.282 | 1.383 | 1.576 | 1.814 |
| 90 | 1.815 | 1.730 | 1.810 | 1.811 | 1.928 | 2.072 | 1.852 | 1.663 | 2.007 | 2.028 |
| 900 | 2.050 | 1.991 | 2.081 | 2.181 | 2.541 | 2.308 | 2.305 | 2.304 | 2.449 | 2.662 |
| 10 | 2.637 | 2.843 | 2.586 | 1.711 | 2.374 | 2.575 | 2.192 | 1.770 | 1.649 | 1.798 |
| 20 | 1.145 | 1.344 | 1.215 | 1.792 | 1.054 | 1.073 | 1.927 | 1.139 | .942 | .956 |
| 30 | 1.289 | 2.304 | .960 | 2.112 | 1.166 | .932 | .963 | 1.963 | 2.586 | 1.002 |
| 40 | .932 | .916 | .917 | .964 | 1.026 | 1.480 | 1.043 | .923 | .939 | 1.448 |
| 50 | 5.133 | 1.544 | .873 | .822 | .852 | .812 | .778 | .770 | .808 | .840 |
| 60 | .780 | .763 | .750 | .741 | .742 | .755 | .740 | .739 | .744 | .746 |
| 70 | .769 | .941 | 1.248 | .915 | .781 | .787 | 2.778 | 24.970 | 2.870 | .925 |
| 80 | .827 | .811 | .816 | .753 | .984 | .941 | .761 | .729 | .747 | 1.541 |
| 90 | 2.040 | 1.449 | 3.439 | 1.692 | .777 | .834 | .758 | .802 | .944 | .859 |
| 1000 | .942 | .794 | .687 | .690 | .690 | .689 | .864 | .713 | .630 | .728 |
| 10 | 1.010 | 1.144 | .850 | .845 | .650 | .666 | .834 | .846 | .988 | .818 |
| 20 | .737 | .810 | .962 | .773 | 1.027 | 9.227 | 25.620 | 2.937 | 1.397 | .701 |
| 30 | .593 | .935 | 9.256 | 1.882 | .654 | .610 | 2.055 | 5.478 | 6.664 | .846 |
| 40 | .700 | .704 | .680 | .500 | .480 | .530 | .572 | .553 | .573 | .619 |
| 50 | .597 | .531 | .504 | .490 | .482 | .475 | .470 | .467 | .464 | .464 |
| 60 | .469 | .471 | .509 | .657 | .523 | .507 | .591 | .576 | .482 | .465 |
| 70 | .454 | .455 | .483 | .731 | .483 | .395 | .417 | .432 | .374 | .378 |
| 80 | .399 | .422 | .391 | .440 | 1.533 | 1.952 | .868 | .414 | .421 | .430 |
| 90 | .443 | .431 | .452 | .486 | .476 | .476 | .485 | .529 | .547 | .521 |
| 1100 | .517 | .535 | .541 | .544 | .549 | .556 | .567 | .578 | .579 | .619 |
| 10 | .788 | .691 | .682 | .813 | 1.006 | .780 | .483 | .489 | .761 | .710 |
| 20 | .506 | .474 | .676 | 1.341 | .778 | .789 | .663 | .605 | .536 | .862 |
| 30 | .865 | .659 | .580 | .511 | .781 | .899 | .618 | .517 | .578 | 1.122 |
| 40 | 1.319 | 1.083 | .646 | .726 | .667 | .630 | .646 | .607 | .625 | .627 |
| 50 | .595 | .662 | .852 | 1.229 | .644 | .661 | .898 | 1.159 | 1.064 | 1.336 |
| 60 | .826 | .796 | 1.060 | .821 | .805 | .926 | .908 | 1.081 | 1.213 | .936 |
| 70 | .951 | 1.144 | 1.081 | 1.026 | .993 | 1.085 | 3.579 | 6.233 | 1.508 | .963 |
| 80 | .931 | .887 | .929 | .932 | 1.008 | 1.066 | 1.000 | 1.038 | 1.087 | 1.149 |
| 90 | 1.386 | 1.852 | 1.420 | 1.205 | 1.701 | 2.170 | 1.980 | 1.397 | 1.781 | 1.663 |

[a]These values should be multiplied by $10^8$

**Table 4. (Cont'd)**

| Wavelength, Å | Intensity,[a] photons/cm² sec Å | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | +0 Å | +1 Å | +2 Å | +3 Å | +4 Å | +5 Å | +6 Å | +7 Å | +8 Å | +9 Å |
| 1200 | 1.864 | 2.454 | 2.078 | 1.684 | 1.668 | 2.033 | 2.199 | 8.495 | 16.871 | 2.795 |
| 10 | 3.019 | 3.489 | 4.628 | 6.283 | 9.013 | 15.348 | 52.903 | 135.584 | 49.851 | 22.964 |
| 20 | 11.322 | 7.136 | 5.367 | 4.213 | 3.522 | 3.007 | 2.665 | 2.390 | 2.184 | 2.015 |
| 30 | 1.881 | 1.771 | 1.683 | 1.604 | 1.543 | 1.487 | 1.445 | 1.415 | 1.615 | 4.985 |
| 40 | 2.206 | 1.322 | 2.000 | 3.070 | 1.842 | 1.363 | 1.332 | 1.430 | 1.616 | 1.392 |
| 50 | 1.376 | 1.700 | 1.315 | 1.238 | 2.024 | 1.435 | 1.550 | 1.873 | 1.401 | 2.381 |
| 60 | 3.309 | 5.166 | 1.683 | 1.078 | 1.467 | 5.534 | 7.113 | 1.866 | 1.407 | 1.002 |
| 70 | 1.011 | 1.191 | 1.042 | .998 | 1.102 | 2.000 | 1.642 | 1.916 | 1.842 | 1.579 |
| 80 | 1.919 | 1.315 | .811 | .837 | .828 | .836 | .872 | 1.112 | 2.007 | 1.684 |
| 90 | 1.344 | 1.040 | .941 | .960 | 1.195 | 1.469 | 1.953 | 1.199 | 1.601 | 2.240 |
| 1300 | 1.568 | 3.145 | 10.483 | 3.078 | 5.583 | 16.247 | 16.665 | 1.307 | 2.874 | 5.529 |
| 10 | 2.584 | 2.624 | 2.037 | 1.842 | 1.303 | 1.576 | 2.446 | 1.880 | 2.119 | 1.712 |
| 20 | 1.353 | 1.357 | 1.450 | 2.039 | 1.802 | 1.450 | 1.645 | 1.830 | 1.699 | 3.910 |
| 30 | 2.982 | 1.862 | 1.851 | 2.794 | 15.352 | 33.957 | 33.867 | 9.835 | 2.467 | 2.195 |
| 40 | 2.015 | 1.936 | 1.961 | 2.010 | 1.857 | 1.819 | 1.816 | 1.839 | 1.876 | 1.856 |
| 50 | 2.094 | 2.490 | 4.663 | 2.260 | 2.056 | 2.401 | 4.328 | 2.955 | 2.866 | 3.578 |
| 60 | 2.859 | 2.557 | 2.884 | 2.374 | 3.087 | 2.689 | 2.109 | 2.333 | 2.569 | 2.655 |
| 70 | 2.788 | 3.012 | 3.027 | 2.784 | 2.790 | 2.679 | 2.617 | 2.738 | 2.672 | 2.781 |
| 80 | 3.020 | 2.960 | 3.133 | 2.912 | 2.911 | 3.022 | 3.083 | 3.192 | 3.169 | 3.181 |
| 90 | 3.104 | 3.000 | 3.236 | 4.777 | 15.826 | 9.095 | 3.301 | 3.384 | 3.283 | 3.538 |
| 1400 | 3.796 | 5.182 | 5.689 | 12.763 | 5.145 | 4.046 | 4.234 | 3.648 | 3.766 | 3.400 |
| 10 | 3.700 | 4.046 | 4.424 | 4.329 | 4.200 | 3.811 | 4.059 | 4.020 | 4.124 | 3.903 |
| 20 | 4.009 | 3.898 | 4.174 | 4.098 | 4.376 | 5.679 | 6.682 | 4.449 | 4.515 | 4.650 |
| 30 | 4.811 | 5.068 | 6.016 | 7.117 | 6.799 | 5.351 | 5.905 | 6.277 | 5.915 | 5.596 |
| 40 | 5.590 | 5.758 | 5.804 | 5.791 | 5.906 | 5.923 | 6.082 | 6.229 | 6.320 | 6.298 |
| 50 | 6.216 | 6.147 | 6.329 | 6.878 | 6.884 | 7.376 | 7.518 | 7.351 | 7.627 | 8.103 |
| 60 | 7.937 | 8.082 | 8.378 | 9.401 | 8.538 | 8.645 | 9.138 | 11.587 | 12.707 | 10.526 |
| 70 | 11.028 | 9.394 | 12.025 | 19.481 | 17.450 | 11.130 | 9.977 | 9.307 | 8.875 | 8.806 |
| 80 | 10.406 | 16.675 | 16.495 | 13.825 | 11.937 | 12.806 | 15.257 | 14.522 | 12.170 | 11.800 |
| 90 | 12.297 | 12.182 | 13.327 | 14.401 | 13.133 | 12.722 | 12.828 | 13.025 | 13.385 | 14.244 |
| 1500 | 15.758 | 15.054 | 16.280 | 16.090 | 15.699 | 15.842 | 16.018 | 16.322 | 16.608 | 16.962 |
| 10 | 18.656 | 20.127 | 17.437 | 16.342 | 16.280 | 16.547 | 16.445 | 15.983 | 15.706 | 15.647 |
| 20 | 15.657 | 15.670 | 15.968 | 16.174 | 15.740 | 17.912 | 27.663 | 18.409 | 16.266 | 15.604 |
| 30 | 15.557 | 15.478 | 20.955 | 23.836 | 16.362 | 16.558 | 16.508 | 15.592 | 12.504 | 11.486 |
| 40 | 15.177 | 16.560 | 10.961 | 10.975 | 12.852 | 11.605 | 11.796 | 39.544 | 24.504 | 6.657 |

[a]These values should be multiplied by $10^8$

**Table 5. Solar spectrum integrated over 1-Å intervals in the region 1760 to 2100 Å**

| Wavelength, Å | Intensity,[a] photons/cm² sec Å | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | +0 Å | +1 Å | +2 Å | +3 Å | +4 Å | +5 Å | +6 Å | +7 Å | +8 Å | +9 Å |
| 1760 | | 1.062 | 1.220 | .998 | 1.045 | .990 | .907 | 1.241 | 1.284 | 1.099 |
| 70 | 1.269 | 1.323 | 1.358 | 1.571 | 1.471 | 1.100 | 1.163 | 1.281 | 1.314 | 1.555 |
| 80 | 1.516 | 1.576 | 1.396 | 1.330 | 1.427 | 1.487 | 1.592 | 1.527 | 1.532 | 1.596 |
| 90 | 1.629 | 1.706 | 1.728 | 1.445 | 1.309 | 1.461 | 1.558 | 1.422 | 1.588 | 1.569 |
| 1800 | 1.597 | 1.765 | 1.685 | 1.785 | 1.698 | 1.893 | 1.864 | 1.645 | 3.219 | 1.753 |
| 10 | 1.840 | 1.825 | 1.874 | 1.865 | 1.666 | 1.784 | 2.484 | 5.620 | 2.258 | 2.201 |
| 20 | 1.822 | 2.190 | 2.181 | 2.567 | 2.718 | 2.303 | 2.007 | 2.268 | 2.008 | 2.337 |
| 30 | 2.247 | 2.380 | 2.443 | 2.511 | 2.635 | 2.600 | 2.348 | 2.712 | 2.528 | 2.755 |
| 40 | 2.208 | 1.893 | 2.185 | 2.393 | 2.369 | 2.095 | 2.136 | 1.706 | 1.767 | 2.511 |
| 50 | 2.040 | 1.905 | 1.913 | 2.131 | 2.604 | 2.953 | 3.031 | 2.651 | 2.672 | 2.453 |
| 60 | 2.627 | 2.672 | 2.866 | 3.111 | 2.566 | 2.602 | 2.871 | 3.500 | 3.484 | 3.629 |
| 70 | 3.538 | 3.978 | 3.478 | 3.505 | 3.904 | 3.356 | 3.399 | 3.381 | 3.325 | 3.261 |
| 80 | 3.239 | 3.174 | 3.696 | 4.096 | 3.997 | 3.864 | 3.838 | 3.925 | 3.637 | 4.328 |
| 90 | 4.393 | 4.221 | 5.202 | 3.860 | 4.775 | 4.341 | 4.359 | 4.136 | 3.469 | 3.781 |
| 1900 | 4.182 | 3.576 | 4.354 | 4.613 | 4.874 | 4.449 | 4.439 | 4.851 | 5.055 | 5.434 |
| 10 | 4.535 | 4.550 | 5.040 | 4.976 | 5.169 | 5.455 | 5.633 | 5.491 | 5.007 | 5.336 |
| 20 | 5.827 | 6.483 | 5.914 | 5.683 | 5.416 | 5.584 | 5.414 | 5.472 | 5.883 | 5.130 |
| 30 | 3.882 | 3.402 | 3.461 | 4.120 | 3.875 | 3.651 | 3.206 | 4.089 | 5.766 | 6.635 |
| 40 | 6.667 | 8.108 | 8.748 | 9.147 | 7.762 | 8.545 | 7.644 | 9.563 | 9.243 | 9.145 |
| 50 | 7.894 | 7.810 | 6.649 | 7.247 | 9.377 | 7.729 | 8.460 | 8.430 | 7.924 | 9.882 |
| 60 | 9.284 | 7.679 | 7.605 | 8.079 | 8.713 | 9.700 | 10.372 | 10.380 | 10.701 | 11.304 |
| 70 | 10.381 | 9.594 | 9.727 | 10.119 | 9.356 | 9.232 | 9.758 | 8.944 | 10.136 | 9.174 |
| 80 | 9.501 | 10.373 | 11.179 | 9.497 | 10.261 | 10.722 | 8.626 | 8.670 | 9.697 | 8.162 |
| 90 | 10.044 | 9.787 | 10.293 | 12.251 | 10.576 | 10.984 | 10.964 | 10.008 | 11.975 | 10.279 |
| 2000 | 11.826 | 11.139 | 12.055 | 12.039 | 11.818 | 12.139 | 13.210 | 11.793 | 12.161 | 12.211 |
| 10 | 13.776 | 10.762 | 14.159 | 15.119 | 13.191 | 13.213 | 13.157 | 14.999 | 15.702 | 13.902 |
| 20 | 13.923 | 13.624 | 12.807 | 14.756 | 15.001 | 13.012 | 8.700 | 14.512 | 16.419 | 15.215 |
| 30 | 15.536 | 16.734 | 16.849 | 13.101 | 12.798 | 15.289 | 17.943 | 17.981 | 17.209 | 14.530 |
| 40 | 14.336 | 16.429 | 20.172 | 19.538 | 15.971 | 17.317 | 19.322 | 17.261 | 16.704 | 17.209 |
| 50 | 18.113 | 17.531 | 19.195 | 19.574 | 18.744 | 16.727 | 16.559 | 18.308 | 15.320 | 17.362 |
| 60 | 20.060 | 18.742 | 14.815 | 19.242 | 19.229 | 18.982 | 18.886 | 19.607 | 18.826 | 18.319 |
| 70 | 19.069 | 20.689 | 19.656 | 20.667 | 20.762 | 22.511 | 22.742 | 22.716 | 20.927 | 20.866 |
| 80 | 21.619 | 19.158 | 18.704 | 22.233 | 18.092 | 21.050 | 27.096 | 23.290 | 34.288 | 22.126 |
| 90 | 23.063 | 30.888 | 32.170 | 47.745 | 27.122 | 34.382 | 43.201 | 42.056 | 51.068 | 36.033 |

[a]These values should be multiplied by $10^{10}$

**Table 6. Solar spectrum integrated over 1-Å intervals in the region 2085 to 2990 Å**

| Wavelength, Å | Intensity,[a] photons/cm² sec Å | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | +0 Å | +1 Å | +2 Å | +3 Å | +4 Å | +5 Å | +6 Å | +7 Å | +8 Å | +9 Å |
| 2080 | | | | | | | 0.256 | 0.227 | 0.287 | 0.233 |
| 90 | 0.239 | 0.267 | 0.275 | 0.315 | 0.246 | 0.295 | 0.316 | 0.309 | 0.355 | 0.295 |
| 2100 | 0.283 | 0.384 | 0.406 | 0.268 | 0.349 | 0.462 | 0.393 | 0.421 | 0.336 | 0.291 |
| 10 | 0.301 | 0.408 | 0.501 | 0.345 | 0.390 | 0.323 | 0.490 | 0.534 | 0.434 | 0.465 |
| 20 | 0.605 | 0.445 | 0.395 | 0.306 | 0.234 | 0.317 | 0.434 | 0.461 | 0.453 | 0.473 |
| 30 | 0.332 | 0.390 | 0.391 | 0.443 | 0.412 | 0.361 | 0.419 | 0.562 | 0.428 | 0.343 |
| 40 | 0.459 | 0.680 | 0.555 | 0.599 | 0.592 | 0.505 | 0.466 | 0.456 | 0.511 | 0.567 |
| 50 | 0.583 | 0.426 | 0.496 | 0.615 | 0.580 | 0.511 | 0.483 | 0.387 | 0.353 | 0.370 |
| 60 | 0.497 | 0.593 | 0.521 | 0.574 | 0.497 | 0.506 | 0.350 | 0.323 | 0.506 | 0.409 |
| 70 | 0.508 | 0.484 | 0.565 | 0.507 | 0.442 | 0.413 | 0.534 | 0.454 | 0.401 | 0.650 |
| 80 | 0.700 | 0.711 | 0.765 | 0.659 | 0.521 | 0.748 | 0.616 | 0.386 | 0.644 | 0.505 |
| 90 | 0.683 | 0.599 | 0.552 | 0.849 | 0.749 | 0.574 | 0.505 | 0.665 | 0.800 | 0.765 |
| 2200 | 0.511 | 0.501 | 0.765 | 0.869 | 0.755 | 0.806 | 0.641 | 0.625 | 0.492 | 0.656 |
| 10 | 0.424 | 0.383 | 0.561 | 0.775 | 0.619 | 0.699 | 0.494 | 0.443 | 0.506 | 0.728 |
| 20 | 0.737 | 0.828 | 0.783 | 0.633 | 0.807 | 0.704 | 0.708 | 0.647 | 0.736 | 0.787 |
| 30 | 0.721 | 0.615 | 0.927 | 1.170 | 0.971 | 1.072 | 1.052 | 0.949 | 0.801 | 0.928 |
| 40 | 1.002 | 0.787 | 0.779 | 0.782 | 0.686 | 0.857 | 0.890 | 1.006 | 1.063 | 0.722 |
| 50 | 0.830 | 0.735 | 0.880 | 0.757 | 0.731 | 0.809 | 0.663 | 0.848 | 0.719 | 0.854 |
| 60 | 0.586 | 0.658 | 0.787 | 0.674 | 0.658 | 0.552 | 0.570 | 0.567 | 0.587 | 0.508 |
| 70 | 0.562 | 0.573 | 0.585 | 0.652 | 0.565 | 0.665 | 0.580 | 0.738 | 0.743 | 0.780 |
| 80 | 0.678 | 0.929 | 0.999 | 0.783 | 0.782 | 1.015 | 0.776 | 0.562 | 0.786 | 0.780 |
| 90 | 0.651 | 0.662 | 0.744 | 0.803 | 0.742 | 0.819 | 0.858 | 0.565 | 0.484 | 0.612 |
| 2300 | 0.596 | 0.657 | 0.863 | 0.601 | 0.778 | 0.892 | 1.108 | 1.013 | 0.885 | 0.742 |
| 10 | 0.718 | 0.527 | 0.555 | 0.570 | 0.650 | 1.020 | 0.838 | 0.776 | 0.869 | 0.797 |
| 20 | 0.539 | 0.667 | 0.870 | 1.153 | 1.045 | 0.728 | 0.559 | 0.661 | 0.811 | 0.924 |
| 30 | 0.808 | 0.661 | 0.629 | 0.547 | 0.775 | 0.847 | 0.883 | 0.617 | 0.445 | 0.524 |
| 40 | 0.659 | 0.735 | 0.798 | 0.492 | 0.415 | 0.525 | 0.534 | 0.587 | 0.447 | 0.661 |
| 50 | 0.845 | 0.795 | 0.889 | 0.931 | 0.784 | 0.647 | 0.950 | 0.931 | 0.884 | 0.570 |
| 60 | 0.504 | 0.730 | 0.711 | 0.939 | 0.702 | 0.595 | 0.698 | 0.638 | 0.691 | 0.817 |
| 70 | 0.805 | 0.943 | 0.997 | 0.584 | 0.610 | 0.654 | 0.774 | 1.018 | 0.813 | 0.610 |
| 80 | 0.669 | 0.507 | 0.419 | 0.463 | 0.603 | 0.738 | 0.832 | 0.794 | 0.538 | 0.536 |
| 90 | 0.855 | 0.948 | 0.863 | 0.834 | 0.717 | 0.473 | 0.465 | 0.692 | 0.703 | 0.505 |

[a]These values should be multiplied by $10^{12}$

**Table 6. (Cont'd)**

| Wavelength, Å | Intensity,[a] photons/cm² sec Å | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | +0 Å | +1 Å | +2 Å | +3 Å | +4 Å | +5 Å | +6 Å | +7 Å | +8 Å | +9 Å |
| 2400 | 0.735 | 0.835 | 0.758 | 0.796 | 0.626 | 0.448 | 0.608 | 0.553 | 0.766 | 0.795 |
| 10 | 0.660 | 0.448 | 0.665 | 0.568 | 0.713 | 0.814 | 0.902 | 0.883 | 1.000 | 0.903 |
| 20 | 1.017 | 1.083 | 1.196 | 0.936 | 0.906 | 0.962 | 1.099 | 1.259 | 1.021 | 0.941 |
| 30 | 1.100 | 1.116 | 0.953 | 0.930 | 1.035 | 0.770 | 0.874 | 1.015 | 1.090 | 0.884 |
| 40 | 0.923 | 1.155 | 1.137 | 1.102 | 0.946 | 1.025 | 0.963 | 0.925 | 0.768 | 0.904 |
| 50 | 0.839 | 0.809 | 0.732 | 0.797 | 0.782 | 0.909 | 0.786 | 0.849 | 0.960 | 0.794 |
| 60 | 0.859 | 0.776 | 0.711 | 0.716 | 0.870 | 0.860 | 0.889 | 0.926 | 0.959 | 0.958 |
| 70 | 0.897 | 0.981 | 0.898 | 0.732 | 1.063 | 1.020 | 1.017 | 1.008 | 0.934 | 0.832 |
| 80 | 0.706 | 1.062 | 0.923 | 0.622 | 0.562 | 0.778 | 0.961 | 0.850 | 0.597 | 0.701 |
| 90 | 0.615 | 0.540 | 0.832 | 0.984 | 1.063 | 1.235 | 1.018 | 1.174 | 1.055 | 1.214 |
| 2500 | 1.288 | 0.820 | 0.957 | 1.108 | 1.194 | 1.025 | 0.812 | 0.741 | 1.040 | 1.109 |
| 10 | 1.165 | 0.894 | 0.982 | 0.985 | 0.746 | 0.806 | 0.633 | 0.799 | 0.790 | 0.720 |
| 20 | 0.941 | 0.960 | 0.860 | 0.680 | 0.675 | 0.830 | 0.932 | 0.824 | 0.698 | 0.643 |
| 30 | 0.841 | 1.109 | 1.055 | 1.012 | 0.997 | 0.975 | 0.899 | 0.971 | 1.070 | 0.980 |
| 40 | 1.135 | 0.930 | 1.043 | 1.263 | 1.153 | 1.110 | 0.890 | 1.051 | 1.006 | 0.840 |
| 50 | 0.983 | 1.245 | 1.545 | 1.106 | 1.550 | 1.239 | 1.389 | 1.182 | 1.390 | 1.618 |
| 60 | 1.500 | 1.633 | 1.266 | 1.218 | 1.453 | 1.586 | 2.103 | 1.740 | 1.859 | 1.981 |
| 70 | 2.287 | 1.910 | 2.172 | 2.234 | 2.265 | 1.520 | 1.123 | 1.577 | 1.860 | 2.142 |
| 80 | 2.554 | 3.015 | 2.311 | 1.847 | 2.211 | 1.536 | 1.039 | 1.710 | 1.905 | 2.618 |
| 90 | 2.832 | 1.823 | 1.988 | 1.596 | 1.320 | 1.999 | 1.908 | 1.699 | 1.094 | 0.760 |
| 2600 | 0.972 | 1.686 | 2.070 | 2.046 | 1.833 | 1.539 | 1.220 | 1.021 | 1.592 | 1.686 |
| 10 | 1.819 | 1.325 | 1.020 | 1.333 | 1.140 | 1.936 | 2.101 | 1.591 | 1.345 | 2.057 |
| 20 | 2.083 | 1.890 | 1.952 | 2.141 | 2.290 | 1.787 | 1.369 | 1.889 | 1.454 | 1.788 |
| 30 | 1.681 | 1.160 | 1.525 | 1.957 | 2.597 | 2.669 | 2.548 | 3.228 | 4.491 | 4.511 |
| 40 | 3.503 | 3.730 | 3.561 | 5.861 | 4.889 | 4.075 | 3.489 | 3.562 | 2.646 | 2.297 |
| 50 | 3.380 | 3.096 | 3.379 | 4.162 | 3.657 | 5.465 | 3.788 | 4.699 | 3.978 | 3.848 |
| 60 | 4.684 | 4.412 | 3.133 | 4.325 | 2.727 | 4.375 | 3.623 | 2.867 | 4.449 | 3.506 |
| 70 | 3.028 | 5.071 | 3.005 | 2.527 | 4.452 | 5.215 | 4.569 | 3.712 | 3.679 | 2.544 |
| 80 | 3.669 | 4.449 | 4.117 | 3.968 | 3.772 | 3.555 | 4.486 | 4.210 | 3.447 | 3.331 |
| 90 | 2.947 | 3.496 | 4.471 | 3.745 | 4.312 | 2.667 | 2.694 | 3.980 | 3.548 | 3.292 |

[a] These values should be multiplied by $10^{13}$

**Table 6. (Cont'd)**

| Wavelength, Å | Intensity,[a] photons/cm² sec Å | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | +0 Å | +1 Å | +2 Å | +3 Å | +4 Å | +5 Å | +6 Å | +7 Å | +8 Å | +9 Å |
| 2700 | 5.940 | 4.349 | 3.279 | 5.146 | 3.981 | 5.351 | 3.467 | 3.483 | 3.663 | 3.204 |
| 10 | 3.698 | 3.882 | 3.669 | 5.254 | 2.587 | 2.724 | 3.432 | 3.666 | 2.494 | 0.875 |
| 20 | 1.950 | 1.750 | 2.957 | 2.893 | 2.431 | 2.667 | 2.926 | 2.895 | 2.839 | 4.507 |
| 30 | 5.224 | 3.202 | 3.834 | 3.395 | 2.309 | 2.980 | 3.007 | 1.134 | 2.882 | 1.883 |
| 40 | 1.700 | 2.456 | 2.033 | 1.342 | 1.658 | 2.798 | 1.883 | 1.240 | 2.497 | 1.608 |
| 50 | 1.200 | 2.287 | 3.571 | 3.779 | 2.711 | 2.354 | 1.152 | 2.477 | 5.021 | 5.067 |
| 60 | 3.864 | 4.491 | 2.784 | 3.491 | 3.977 | 5.354 | 4.432 | 3.756 | 3.795 | 3.038 |
| 70 | 4.225 | 4.996 | 3.547 | 4.807 | 4.956 | 4.171 | 3.917 | 3.339 | 2.496 | 2.843 |
| 80 | 2.387 | 2.562 | 2.752 | 2.373 | 2.421 | 2.562 | 2.608 | 2.427 | 1.706 | 1.938 |
| 90 | 1.750 | 1.552 | 1.391 | 1.138 | 0.871 | 1.274 | 1.451 | 0.801 | 0.849 | 1.120 |
| 2800 | 1.207 | 1.012 | 1.165 | 1.371 | 1.015 | 1.306 | 1.633 | 1.782 | 2.193 | 2.619 |
| 10 | 2.668 | 2.589 | 2.585 | 2.612 | 3.563 | 4.433 | 3.870 | 3.706 | 4.026 | 4.417 |
| 20 | 4.958 | 4.475 | 4.564 | 4.275 | 5.813 | 5.054 | 3.788 | 5.401 | 4.771 | 5.176 |
| 30 | 6.106 | 6.528 | 4.720 | 6.242 | 5.661 | 4.755 | 3.399 | 6.089 | 6.091 | 5.554 |
| 40 | 4.954 | 4.638 | 6.051 | 3.810 | 3.837 | 4.893 | 3.563 | 3.055 | 2.267 | 2.059 |
| 50 | 1.376 | 0.895 | 0.524 | 0.958 | 1.655 | 2.224 | 2.613 | 3.333 | 3.419 | 4.243 |
| 60 | 5.880 | 4.983 | 5.908 | 5.382 | 5.795 | 4.876 | 6.820 | 4.675 | 5.138 | 4.193 |
| 70 | 6.180 | 7.804 | 7.772 | 6.641 | 5.157 | 6.570 | 4.881 | 5.973 | 6.046 | 3.596 |
| 80 | 4.192 | 2.000 | 1.997 | 4.041 | 5.487 | 8.112 | 7.013 | 7.115 | 6.268 | 7.038 |
| 90 | 6.595 | 6.526 | 7.780 | 6.050 | 6.865 | 7.249 | 9.445 | 9.024 | 8.046 | 8.742 |
| 2900 | 10.915 | 11.374 | 8.829 | 11.606 | 10.812 | 11.240 | 9.868 | 10.126 | 9.486 | 9.513 |
| 10 | 9.450 | 9.622 | 8.933 | 13.497 | 9.764 | 8.811 | 9.230 | 10.547 | 8.100 | 10.031 |
| 20 | 9.431 | 10.463 | 9.961 | 9.546 | 7.811 | 9.025 | 6.744 | 8.598 | 8.188 | 5.150 |
| 30 | 12.468 | 10.190 | 12.406 | 8.820 | 9.677 | 12.789 | 7.547 | 4.429 | 7.765 | 6.314 |
| 40 | 10.049 | 7.159 | 8.496 | 11.479 | 7.941 | 8.588 | 12.401 | 8.283 | 3.566 | 5.202 |
| 50 | 8.469 | 11.022 | 11.940 | 12.778 | 4.761 | 10.947 | 10.870 | 6.882 | 10.039 | 11.885 |
| 60 | 9.031 | 9.607 | 12.236 | 13.343 | 10.915 | 5.902 | 6.269 | 3.779 | 8.809 | 8.269 |
| 70 | 4.782 | 7.668 | 9.382 | 4.690 | 8.507 | 12.062 | 9.586 | 13.623 | 13.740 | 9.808 |
| 80 | 9.448 | 8.335 | 4.817 | 7.775 | 3.733 | 5.352 | 5.675 | 7.866 | 6.595 | 9.085 |

[a]These values should be multiplied by $10^{12}$

**Table 7. Solar spectrum integrated over 10-Å intervals in the region 880 to 1550 Å**

| Wavelength, Å | Intensity,[a] photons/cm² sec Å | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | +0 Å | +1 Å | +2 Å | +3 Å | +4 Å | +5 Å | +6 Å | +7 Å | +8 Å | +9 Å |
| 880 | | | | | | 1.393 | 1.460 | 1.521 | 1.577 | 1.620 |
| 90 | 1.684 | 1.752 | 1.796 | 1.830 | 1.864 | 1.886 | 1.912 | 1.935 | 1.967 | 2.026 |
| 900 | 2.058 | 2.094 | 2.150 | 2.205 | 2.258 | 2.319 | 2.388 | 2.485 | 2.453 | 2.414 |
| 10 | 2.426 | 2.443 | 2.407 | 2.343 | 2.246 | 2.135 | 1.989 | 1.813 | 1.777 | 1.727 |
| 20 | 1.577 | 1.479 | 1.447 | 1.372 | 1.304 | 1.249 | 1.340 | 1.363 | 1.363 | 1.394 |
| 30 | 1.390 | 1.331 | 1.278 | 1.483 | 1.540 | 1.532 | 1.413 | 1.355 | 1.309 | 1.218 |
| 40 | 1.256 | 1.287 | 1.277 | 1.064 | 1.014 | 1.322 | 1.547 | 1.560 | 1.551 | 1.535 |
| 50 | 1.491 | 1.442 | 1.424 | 1.408 | 1.395 | 1.072 | 0.833 | 0.803 | 0.794 | 0.785 |
| 60 | 0.776 | 0.771 | 0.768 | 0.764 | 0.755 | 0.749 | 0.753 | 0.795 | 0.829 | 0.837 |
| 70 | 0.839 | 0.855 | 2.335 | 3.511 | 3.602 | 3.575 | 3.614 | 3.540 | 3.548 | 3.510 |
| 80 | 3.575 | 3.527 | 2.088 | 0.868 | 0.862 | 0.951 | 1.042 | 1.222 | 1.382 | 1.411 |
| 90 | 1.389 | 1.388 | 1.388 | 1.409 | 1.375 | 1.294 | 1.208 | 1.021 | 0.850 | 0.807 |
| 1000 | 0.794 | 0.790 | 0.797 | 0.770 | 0.753 | 0.733 | 0.777 | 0.794 | 0.816 | 0.822 |
| 10 | 0.815 | 0.813 | 0.818 | 0.844 | 0.870 | 0.868 | 0.814 | 0.817 | 0.811 | 0.819 |
| 20 | 0.954 | 3.239 | 4.454 | 4.562 | 4.544 | 4.554 | 4.523 | 4.818 | 5.418 | 5.426 |
| 30 | 5.287 | 3.012 | 2.115 | 2.637 | 2.820 | 2.830 | 2.835 | 2.533 | 1.895 | 1.865 |
| 40 | 1.845 | 1.827 | 1.468 | 0.815 | 0.602 | 0.583 | 0.577 | 0.553 | 0.545 | 0.546 |
| 50 | 0.544 | 0.535 | 0.525 | 0.516 | 0.503 | 0.487 | 0.479 | 0.473 | 0.486 | 0.496 |
| 60 | 0.499 | 0.505 | 0.521 | 0.525 | 0.526 | 0.525 | 0.523 | 0.524 | 0.523 | 0.527 |
| 70 | 0.517 | 0.505 | 0.485 | 0.475 | 0.465 | 0.458 | 0.453 | 0.448 | 0.426 | 0.444 |
| 80 | 0.593 | 0.710 | 0.713 | 0.714 | 0.719 | 0.723 | 0.727 | 0.730 | 0.737 | 0.705 |
| 90 | 0.563 | 0.452 | 0.458 | 0.469 | 0.481 | 0.489 | 0.498 | 0.507 | 0.515 | 0.521 |
| 1100 | 0.529 | 0.537 | 0.544 | 0.547 | 0.555 | 0.571 | 0.597 | 0.607 | 0.627 | 0.670 |
| 10 | 0.700 | 0.708 | 0.697 | 0.701 | 0.717 | 0.709 | 0.677 | 0.664 | 0.701 | 0.722 |
| 20 | 0.695 | 0.716 | 0.727 | 0.723 | 0.709 | 0.750 | 0.771 | 0.783 | 0.726 | 0.667 |
| 30 | 0.698 | 0.693 | 0.686 | 0.684 | 0.703 | 0.728 | 0.790 | 0.802 | 0.817 | 0.828 |
| 40 | 0.803 | 0.787 | 0.798 | 0.806 | 0.786 | 0.721 | 0.653 | 0.648 | 0.694 | 0.712 |
| 50 | 0.714 | 0.722 | 0.770 | 0.813 | 0.875 | 0.926 | 0.940 | 0.962 | 0.945 | 0.936 |
| 60 | 0.959 | 0.977 | 0.964 | 0.980 | 0.956 | 0.939 | 0.967 | 0.990 | 0.993 | 1.018 |
| 70 | 1.026 | 1.126 | 1.602 | 1.883 | 1.876 | 1.875 | 1.864 | 1.835 | 1.831 | 1.820 |
| 80 | 1.832 | 1.741 | 1.271 | 0.974 | 0.993 | 1.021 | 1.085 | 1.180 | 1.207 | 1.244 |
| 90 | 1.341 | 1.466 | 1.520 | 1.566 | 1.641 | 1.677 | 1.748 | 1.799 | 1.858 | 1.891 |

[a]These values should be multiplied by $10^8$

**Table 7. (Cont'd)**

| Wavelength, Å | Intensity,[a] photons/cm² sec Å | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | +0 Å | +1 Å | +2 Å | +3 Å | +4 Å | +5 Å | +6 Å | +7 Å | +8 Å | +9 Å |
| 1200 | 1.867 | 1.859 | 1.985 | 3.530 | 4.180 | 4.318 | 4.399 | 4.568 | 4.923 | 5.505 |
| 10 | 6.462 | 9.084 | 18.421 | 26.420 | 29.042 | 30.347 | 30.905 | 31.121 | 31.056 | 30.696 |
| 20 | 29.881 | 27.327 | 17.957 | 8.490 | 5.239 | 3.835 | 3.149 | 2.704 | 2.395 | 2.169 |
| 30 | 1.994 | 1.858 | 1.750 | 1.665 | 1.770 | 2.013 | 1.961 | 1.948 | 2.040 | 2.151 |
| 40 | 2.145 | 2.132 | 2.125 | 2.137 | 1.974 | 1.673 | 1.700 | 1.693 | 1.558 | 1.454 |
| 50 | 1.483 | 1.490 | 1.546 | 1.543 | 1.561 | 1.697 | 2.008 | 2.221 | 2.220 | 2.167 |
| 60 | 2.268 | 2.975 | 3.102 | 3.107 | 3.061 | 2.883 | 2.531 | 2.273 | 2.259 | 2.241 |
| 70 | 2.128 | 1.465 | 1.320 | 1.364 | 1.394 | 1.474 | 1.545 | 1.521 | 1.502 | 1.488 |
| 80 | 1.415 | 1.309 | 1.233 | 1.183 | 1.242 | 1.203 | 1.133 | 1.145 | 1.156 | 1.176 |
| 90 | 1.226 | 1.320 | 1.390 | 1.350 | 1.365 | 1.398 | 1.511 | 2.093 | 2.668 | 2.872 |
| 1300 | 4.011 | 5.440 | 6.190 | 6.236 | 6.482 | 6.750 | 6.753 | 6.322 | 5.834 | 5.693 |
| 10 | 4.546 | 3.148 | 2.470 | 2.478 | 2.231 | 1.938 | 1.833 | 1.731 | 1.708 | 1.760 |
| 20 | 1.776 | 1.729 | 1.661 | 1.674 | 1.694 | 1.947 | 2.024 | 2.067 | 2.101 | 2.549 |
| 30 | 5.129 | 8.374 | 10.635 | 10.844 | 10.817 | 10.646 | 10.620 | 10.640 | 10.630 | 10.176 |
| 40 | 7.619 | 4.412 | 2.146 | 1.960 | 1.911 | 1.903 | 1.906 | 2.094 | 2.262 | 2.265 |
| 50 | 2.306 | 2.431 | 2.664 | 2.746 | 2.883 | 3.023 | 3.077 | 2.975 | 2.868 | 2.936 |
| 60 | 3.022 | 2.936 | 2.748 | 2.717 | 2.667 | 2.587 | 2.632 | 2.657 | 2.687 | 2.690 |
| 70 | 2.664 | 2.702 | 2.744 | 2.777 | 2.776 | 2.805 | 2.805 | 2.811 | 2.820 | 2.840 |
| 80 | 2.854 | 2.902 | 2.944 | 2.993 | 3.040 | 3.064 | 3.072 | 3.065 | 3.136 | 3.772 |
| 90 | 5.132 | 5.193 | 5.204 | 5.232 | 5.234 | 5.306 | 5.399 | 5.718 | 6.154 | 6.282 |
| 1400 | 4.950 | 5.024 | 5.086 | 5.109 | 5.146 | 5.117 | 5.083 | 4.912 | 4.529 | 3.916 |
| 10 | 3.986 | 3.932 | 3.962 | 3.997 | 4.037 | 4.080 | 4.104 | 4.062 | 4.048 | 4.031 |
| 20 | 4.106 | 4.414 | 4.518 | 4.557 | 4.619 | 4.691 | 4.792 | 4.930 | 5.179 | 5.480 |
| 30 | 5.594 | 5.479 | 5.541 | 5.726 | 5.839 | 5.920 | 6.000 | 6.031 | 5.952 | 5.813 |
| 40 | 5.820 | 5.837 | 5.876 | 5.870 | 5.935 | 6.005 | 6.056 | 6.096 | 6.180 | 6.282 |
| 50 | 6.390 | 6.558 | 6.673 | 6.798 | 6.942 | 7.129 | 7.303 | 7.505 | 7.742 | 7.950 |
| 60 | 8.109 | 8.217 | 8.503 | 9.016 | 9.378 | 9.651 | 9.874 | 10.082 | 10.761 | 11.770 |
| 70 | 12.342 | 12.511 | 12.441 | 12.095 | 11.822 | 11.683 | 11.950 | 12.736 | 12.597 | 11.998 |
| 80 | 11.763 | 12.131 | 12.764 | 13.127 | 13.448 | 13.708 | 13.651 | 13.090 | 13.061 | 13.140 |
| 90 | 13.227 | 13.090 | 12.802 | 12.836 | 13.022 | 13.323 | 13.648 | 13.937 | 14.174 | 14.369 |
| 1500 | 14.663 | 14.980 | 15.305 | 15.635 | 15.938 | 16.173 | 16.620 | 16.969 | 16.990 | 17.033 |
| 10 | 17.101 | 17.163 | 17.169 | 17.105 | 16.994 | 16.815 | 16.384 | 16.064 | 16.019 | 15.982 |
| 20 | 15.938 | 16.618 | 17.467 | 17.532 | 17.569 | 17.549 | 17.527 | 17.641 | 18.532 | 18.746 |
| 30 | 18.801 | 18.124 | 17.290 | 17.039 | 16.585 | 16.321 | 16.504 | 16.164 | 14.677 | 14.068 |
| 40 | 13.728 | 13.118 | 13.772 | 16.574 | 16.311 | 15.920 | | | | |

[a]These values should be multiplied by $10^6$

**Table 8. Solar spectrum integrated over 10-Å intervals in the region 1760 to 2100 Å**

| Wavelength, Å | Intensity,[a] photons/cm² sec Å | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | +0 Å | +1 Å | +2 Å | +3 Å | +4 Å | +5 Å | +6 Å | +7 Å | +8 Å | +9 Å |
| 1760 | | | | | | 1.093 | 1.119 | 1.144 | 1.178 | 1.231 |
| 70 | 1.255 | 1.271 | 1.292 | 1.290 | 1.309 | 1.354 | 1.388 | 1.394 | 1.383 | 1.370 |
| 80 | 1.386 | 1.431 | 1.466 | 1.488 | 1.497 | 1.514 | 1.511 | 1.542 | 1.567 | 1.563 |
| 90 | 1.550 | 1.551 | 1.544 | 1.539 | 1.546 | 1.533 | 1.540 | 1.538 | 1.551 | 1.589 |
| 1800 | 1.636 | 1.670 | 1.693 | 1.784 | 1.869 | 1.884 | 1.907 | 1.918 | 1.934 | 1.938 |
| 10 | 1.926 | 1.924 | 2.216 | 2.355 | 2.333 | 2.355 | 2.358 | 2.397 | 2.440 | 2.530 |
| 20 | 2.613 | 2.642 | 2.396 | 2.223 | 2.226 | 2.260 | 2.293 | 2.313 | 2.328 | 2.319 |
| 30 | 2.332 | 2.361 | 2.396 | 2.447 | 2.505 | 2.514 | 2.500 | 2.446 | 2.441 | 2.410 |
| 40 | 2.385 | 2.336 | 2.285 | 2.191 | 2.121 | 2.133 | 2.100 | 2.105 | 2.061 | 2.059 |
| 50 | 2.121 | 2.214 | 2.313 | 2.403 | 2.455 | 2.452 | 2.543 | 2.616 | 2.731 | 2.782 |
| 60 | 2.741 | 2.712 | 2.741 | 2.837 | 2.929 | 3.042 | 3.148 | 3.254 | 3.273 | 3.394 |
| 70 | 3.477 | 3.561 | 3.573 | 3.555 | 3.532 | 3.494 | 3.443 | 3.394 | 3.476 | 3.466 |
| 80 | 3.523 | 3.562 | 3.622 | 3.655 | 3.719 | 3.841 | 3.933 | 4.108 | 4.121 | 4.162 |
| 90 | 4.229 | 4.271 | 4.313 | 4.318 | 4.275 | 4.235 | 4.210 | 4.085 | 4.132 | 4.186 |
| 1900 | 4.175 | 4.185 | 4.218 | 4.318 | 4.519 | 4.610 | 4.667 | 4.768 | 4.804 | 4.819 |
| 10 | 4.894 | 5.037 | 5.107 | 5.160 | 5.116 | 5.177 | 5.355 | 5.502 | 5.566 | 5.630 |
| 20 | 5.635 | 5.629 | 5.604 | 5.665 | 5.715 | 5.624 | 5.337 | 5.046 | 4.865 | 4.707 |
| 30 | 4.548 | 4.312 | 4.139 | 4.046 | 4.122 | 4.326 | 4.711 | 5.235 | 5.742 | 6.179 |
| 40 | 6.601 | 7.090 | 7.579 | 8.036 | 8.340 | 8.515 | 8.591 | 8.444 | 8.208 | 8.229 |
| 50 | 8.296 | 8.242 | 8.294 | 8.132 | 8.072 | 8.220 | 8.261 | 8.304 | 8.431 | 8.380 |
| 60 | 8.485 | 8.693 | 8.839 | 9.106 | 9.327 | 9.450 | 9.581 | 9.802 | 9.982 | 10.178 |
| 70 | 10.135 | 10.088 | 10.007 | 9.847 | 9.728 | 9.583 | 9.567 | 9.701 | 9.762 | 9.735 |
| 80 | 9.849 | 9.921 | 9.790 | 9.822 | 9.721 | 9.680 | 9.740 | 9.611 | 9.704 | 9.903 |
| 90 | 9.923 | 10.017 | 10.246 | 10.394 | 10.651 | 10.837 | 10.917 | 11.148 | 11.211 | 11.272 |
| 2000 | 11.348 | 11.575 | 11.741 | 11.830 | 11.921 | 12.134 | 12.255 | 12.238 | 12.553 | 12.730 |
| 10 | 12.915 | 12.879 | 13.079 | 13.516 | 13.703 | 13.794 | 13.954 | 14.076 | 13.947 | 14.072 |
| 20 | 14.159 | 13.858 | 13.595 | 13.599 | 13.774 | 13.875 | 14.093 | 14.462 | 14.619 | 14.342 |
| 30 | 14.301 | 15.009 | 15.643 | 15.837 | 15.836 | 15.736 | 15.658 | 15.780 | 16.287 | 16.787 |
| 40 | 17.044 | 17.193 | 17.311 | 17.093 | 17.280 | 17.570 | 17.875 | 17.868 | 17.796 | 17.948 |
| 50 | 18.127 | 17.814 | 17.772 | 17.898 | 17.646 | 17.927 | 18.128 | 17.876 | 17.633 | 17.589 |
| 60 | 17.792 | 18.053 | 18.143 | 18.364 | 18.681 | 18.541 | 18.529 | 18.985 | 19.239 | 19.535 |
| 70 | 19.595 | 20.105 | 20.462 | 20.771 | 20.890 | 21.235 | 21.244 | 21.132 | 21.124 | 21.071 |
| 80 | 20.973 | 21.049 | 21.344 | 21.854 | 22.606 | 22.856 | 23.491 | 24.552 | 27.292 | 28.396 |
| 90 | 29.315 | 31.316 | 32.418 | 34.886 | 36.225 | 37.294 | | | | |

[a]These values should be multiplied by $10^{10}$

**Table 9. Solar spectrum integrated over 10-Å intervals in the region 2085 to 2990 Å**

| Wavelength, Å | Intensity,[a] photons/cm² sec Å | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | +0 Å | +1 Å | +2 Å | +3 Å | +4 Å | +5 Å | +6 Å | +7 Å | +8 Å | +9 Å |
| 2090 | 0.259 | 0.268 | 0.273 | 0.282 | 0.289 | 0.293 | 0.300 | 0.318 | 0.317 | 0.320 |
| 2100 | 0.335 | 0.347 | 0.357 | 0.362 | 0.358 | 0.361 | 0.363 | 0.364 | 0.376 | 0.386 |
| 10 | 0.376 | 0.373 | 0.386 | 0.397 | 0.411 | 0.434 | 0.455 | 0.449 | 0.442 | 0.429 |
| 20 | 0.424 | 0.419 | 0.414 | 0.409 | 0.414 | 0.400 | 0.379 | 0.381 | 0.382 | 0.404 |
| 30 | 0.413 | 0.417 | 0.417 | 0.425 | 0.413 | 0.410 | 0.436 | 0.456 | 0.475 | 0.490 |
| 40 | 0.510 | 0.515 | 0.514 | 0.508 | 0.528 | 0.554 | 0.536 | 0.523 | 0.518 | 0.523 |
| 50 | 0.520 | 0.523 | 0.521 | 0.510 | 0.489 | 0.469 | 0.486 | 0.493 | 0.494 | 0.478 |
| 60 | 0.481 | 0.472 | 0.459 | 0.464 | 0.478 | 0.478 | 0.473 | 0.468 | 0.469 | 0.466 |
| 70 | 0.451 | 0.459 | 0.479 | 0.478 | 0.480 | 0.511 | 0.526 | 0.548 | 0.569 | 0.574 |
| 80 | 0.596 | 0.626 | 0.616 | 0.627 | 0.637 | 0.623 | 0.618 | 0.598 | 0.598 | 0.625 |
| 90 | 0.628 | 0.601 | 0.619 | 0.643 | 0.660 | 0.670 | 0.649 | 0.662 | 0.667 | 0.672 |
| 2200 | 0.680 | 0.705 | 0.707 | 0.686 | 0.668 | 0.655 | 0.648 | 0.627 | 0.619 | 0.600 |
| 10 | 0.596 | 0.582 | 0.561 | 0.555 | 0.555 | 0.579 | 0.617 | 0.655 | 0.651 | 0.659 |
| 20 | 0.661 | 0.676 | 0.701 | 0.718 | 0.739 | 0.735 | 0.726 | 0.718 | 0.753 | 0.792 |
| 30 | 0.818 | 0.852 | 0.881 | 0.908 | 0.906 | 0.939 | 0.958 | 0.960 | 0.935 | 0.897 |
| 40 | 0.869 | 0.853 | 0.849 | 0.867 | 0.874 | 0.845 | 0.838 | 0.836 | 0.849 | 0.837 |
| 50 | 0.852 | 0.830 | 0.810 | 0.782 | 0.780 | 0.769 | 0.750 | 0.750 | 0.733 | 0.737 |
| 60 | 0.710 | 0.694 | 0.682 | 0.656 | 0.627 | 0.615 | 0.609 | 0.595 | 0.581 | 0.574 |
| 70 | 0.580 | 0.583 | 0.592 | 0.609 | 0.630 | 0.644 | 0.676 | 0.710 | 0.743 | 0.757 |
| 80 | 0.780 | 0.820 | 0.815 | 0.803 | 0.812 | 0.810 | 0.791 | 0.770 | 0.752 | 0.757 |
| 90 | 0.743 | 0.738 | 0.739 | 0.730 | 0.700 | 0.694 | 0.688 | 0.690 | 0.692 | 0.677 |
| 2300 | 0.685 | 0.697 | 0.741 | 0.780 | 0.809 | 0.817 | 0.821 | 0.803 | 0.779 | 0.770 |
| 10 | 0.772 | 0.764 | 0.739 | 0.729 | 0.733 | 0.720 | 0.726 | 0.734 | 0.783 | 0.849 |
| 20 | 0.852 | 0.812 | 0.796 | 0.779 | 0.780 | 0.813 | 0.822 | 0.818 | 0.769 | 0.720 |
| 30 | 0.706 | 0.743 | 0.752 | 0.738 | 0.696 | 0.663 | 0.656 | 0.677 | 0.687 | 0.656 |
| 40 | 0.633 | 0.588 | 0.571 | 0.572 | 0.575 | 0.599 | 0.608 | 0.611 | 0.641 | 0.686 |
| 50 | 0.700 | 0.733 | 0.769 | 0.810 | 0.833 | 0.805 | 0.782 | 0.771 | 0.764 | 0.758 |
| 60 | 0.754 | 0.742 | 0.710 | 0.688 | 0.686 | 0.718 | 0.745 | 0.772 | 0.766 | 0.739 |
| 70 | 0.747 | 0.743 | 0.774 | 0.798 | 0.796 | 0.773 | 0.747 | 0.694 | 0.655 | 0.657 |
| 80 | 0.652 | 0.669 | 0.659 | 0.630 | 0.608 | 0.615 | 0.654 | 0.693 | 0.735 | 0.765 |
| 90 | 0.757 | 0.716 | 0.692 | 0.700 | 0.712 | 0.702 | 0.686 | 0.681 | 0.668 | 0.664 |

[a] These values should be multiplied by $10^{12}$

**Table 9. (Cont'd)**

| Wavelength, Å | Intensity,[a] photons/cm² sec Å | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | +0 Å | +1 Å | +2 Å | +3 Å | +4 Å | +5 Å | +6 Å | +7 Å | +8 Å | +9 Å |
| 2400 | 0.653 | 0.668 | 0.663 | 0.654 | 0.677 | 0.696 | 0.663 | 0.636 | 0.630 | 0.609 |
| 10 | 0.643 | 0.670 | 0.710 | 0.733 | 0.749 | 0.767 | 0.823 | 0.884 | 0.926 | 0.960 |
| 20 | 0.969 | 0.988 | 1.016 | 1.045 | 1.040 | 1.046 | 1.055 | 1.046 | 1.025 | 1.037 |
| 30 | 1.032 | 1.015 | 0.982 | 0.977 | 0.982 | 0.967 | 0.960 | 0.965 | 0.994 | 0.988 |
| 40 | 1.004 | 1.020 | 1.025 | 0.995 | 0.981 | 0.986 | 0.960 | 0.926 | 0.884 | 0.863 |
| 50 | 0.849 | 0.834 | 0.819 | 0.829 | 0.831 | 0.827 | 0.825 | 0.827 | 0.815 | 0.818 |
| 60 | 0.821 | 0.825 | 0.830 | 0.835 | 0.845 | 0.852 | 0.862 | 0.889 | 0.893 | 0.911 |
| 70 | 0.921 | 0.939 | 0.953 | 0.955 | 0.947 | 0.925 | 0.926 | 0.926 | 0.935 | 0.890 |
| 80 | 0.857 | 0.840 | 0.832 | 0.807 | 0.780 | 0.775 | 0.739 | 0.705 | 0.717 | 0.768 |
| 90 | 0.816 | 0.843 | 0.856 | 0.892 | 0.942 | 1.008 | 1.061 | 1.070 | 1.088 | 1.101 |
| 2500 | 1.100 | 1.077 | 1.041 | 1.018 | 1.019 | 1.004 | 0.991 | 1.010 | 1.003 | 0.976 |
| 10 | 0.933 | 0.914 | 0.916 | 0.907 | 0.873 | 0.834 | 0.840 | 0.832 | 0.805 | 0.788 |
| 20 | 0.789 | 0.803 | 0.827 | 0.820 | 0.806 | 0.799 | 0.799 | 0.820 | 0.847 | 0.874 |
| 30 | 0.907 | 0.905 | 0.905 | 0.940 | 0.972 | 1.012 | 1.007 | 0.999 | 1.013 | 1.036 |
| 40 | 1.042 | 1.057 | 1.058 | 1.058 | 1.057 | 1.027 | 1.042 | 1.087 | 1.101 | 1.111 |
| 50 | 1.145 | 1.171 | 1.207 | 1.226 | 1.283 | 1.352 | 1.401 | 1.407 | 1.397 | 1.385 |
| 60 | 1.400 | 1.454 | 1.518 | 1.580 | 1.610 | 1.672 | 1.718 | 1.780 | 1.869 | 1.992 |
| 70 | 2.020 | 1.964 | 1.894 | 1.879 | 1.907 | 1.931 | 1.974 | 2.076 | 2.034 | 2.030 |
| 80 | 2.010 | 2.011 | 2.015 | 2.042 | 2.027 | 2.098 | 2.078 | 1.928 | 1.967 | 1.852 |
| 90 | 1.855 | 1.931 | 1.984 | 1.930 | 1.820 | 1.588 | 1.493 | 1.518 | 1.521 | 1.585 |
| 2600 | 1.599 | 1.523 | 1.448 | 1.436 | 1.513 | 1.618 | 1.648 | 1.559 | 1.475 | 1.404 |
| 10 | 1.368 | 1.455 | 1.548 | 1.534 | 1.538 | 1.591 | 1.618 | 1.682 | 1.794 | 1.875 |
| 20 | 1.955 | 1.878 | 1.851 | 1.905 | 1.886 | 1.837 | 1.786 | 1.746 | 1.675 | 1.711 |
| 30 | 1.753 | 1.849 | 1.999 | 2.191 | 2.528 | 2.726 | 2.954 | 3.148 | 3.485 | 3.838 |
| 40 | 3.973 | 4.137 | 4.133 | 4.103 | 3.836 | 3.736 | 3.703 | 3.712 | 3.582 | 3.366 |
| 50 | 3.419 | 3.527 | 3.612 | 3.737 | 3.856 | 4.026 | 4.135 | 4.168 | 4.216 | 4.147 |
| 60 | 4.054 | 3.998 | 3.848 | 3.837 | 3.866 | 3.699 | 3.661 | 3.775 | 3.574 | 3.604 |
| 70 | 3.763 | 3.793 | 4.010 | 3.883 | 3.804 | 3.850 | 3.819 | 3.778 | 3.992 | 4.049 |
| 80 | 3.857 | 3.797 | 3.764 | 3.818 | 3.905 | 3.843 | 3.805 | 3.762 | 3.708 | 3.774 |
| 90 | 3.794 | 3.619 | 3.532 | 3.531 | 3.470 | 3.640 | 3.890 | 3.831 | 3.876 | 3.843 |

[a] These values should be multiplied by $10^{13}$

**Table 9. (Cont'd)**

| Wavelength, Å | Intensity,[a] photons/cm² sec Å | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | +0 Å | +1 Å | +2 Å | +3 Å | +4 Å | +5 Å | +6 Å | +7 Å | +8 Å | +9 Å |
| 2700 | 4.022 | 4.195 | 4.162 | 4.190 | 4.169 | 4.127 | 3.935 | 3.903 | 3.981 | 3.992 |
| 10 | 3.650 | 3.559 | 3.614 | 3.534 | 3.374 | 3.129 | 2.891 | 2.858 | 2.658 | 2.443 |
| 20 | 2.516 | 2.508 | 2.424 | 2.319 | 2.564 | 2.977 | 3.169 | 3.294 | 3.364 | 3.381 |
| 30 | 3.435 | 3.398 | 3.317 | 3.284 | 3.194 | 2.748 | 2.639 | 2.489 | 2.262 | 2.165 |
| 40 | 2.060 | 2.055 | 1.966 | 1.966 | 1.927 | 1.915 | 1.834 | 1.884 | 2.158 | 2.310 |
| 50 | 2.369 | 2.243 | 2.314 | 2.445 | 2.792 | 3.086 | 3.356 | 3.424 | 3.281 | 3.427 |
| 60 | 3.600 | 3.976 | 4.143 | 4.230 | 3.971 | 3.904 | 3.942 | 4.052 | 4.160 | 4.229 |
| 70 | 4.233 | 4.115 | 4.068 | 4.029 | 3.939 | 3.854 | 3.653 | 3.426 | 3.315 | 3.035 |
| 80 | 2.842 | 2.694 | 2.639 | 2.481 | 2.423 | 2.348 | 2.251 | 2.151 | 2.006 | 1.883 |
| 90 | 1.699 | 1.635 | 1.461 | 1.337 | 1.252 | 1.195 | 1.139 | 1.084 | 1.119 | 1.112 |
| 2800 | 1.152 | 1.102 | 1.197 | 1.312 | 1.449 | 1.607 | 1.757 | 1.918 | 2.028 | 2.206 |
| 10 | 2.517 | 2.781 | 2.986 | 3.154 | 3.375 | 3.549 | 3.774 | 3.973 | 4.132 | 4.390 |
| 20 | 4.530 | 4.470 | 4.598 | 4.706 | 4.747 | 4.933 | 4.984 | 5.183 | 5.277 | 5.354 |
| 30 | 5.304 | 5.302 | 5.299 | 5.478 | 5.557 | 5.493 | 5.366 | 5.282 | 5.290 | 4.966 |
| 40 | 4.980 | 5.010 | 4.836 | 4.467 | 4.106 | 3.694 | 3.403 | 2.897 | 2.430 | 2.278 |
| 50 | 1.951 | 1.811 | 1.773 | 1.840 | 1.962 | 2.337 | 2.764 | 3.296 | 3.727 | 4.134 |
| 60 | 4.570 | 4.838 | 5.128 | 5.261 | 5.432 | 5.366 | 5.547 | 5.775 | 5.974 | 5.986 |
| 70 | 6.000 | 6.040 | 5.983 | 6.129 | 6.073 | 6.008 | 5.583 | 4.925 | 4.510 | 4.434 |
| 80 | 4.486 | 4.758 | 4.908 | 4.925 | 5.190 | 5.369 | 5.793 | 6.298 | 6.716 | 6.941 |
| 90 | 6.868 | 6.993 | 7.169 | 7.383 | 7.527 | 7.871 | 8.373 | 8.598 | 8.915 | 9.435 |
| 2900 | 9.939 | 10.006 | 10.125 | 10.220 | 10.278 | 10.331 | 10.040 | 10.165 | 10.244 | 10.186 |
| 10 | 10.031 | 9.805 | 9.892 | 9.843 | 9.777 | 9.832 | 9.853 | 9.891 | 9.880 | 9.385 |
| 20 | 9.300 | 9.287 | 8.911 | 9.033 | 8.737 | 8.624 | 8.751 | 8.807 | 8.835 | 9.115 |
| 30 | 9.315 | 9.728 | 9.419 | 9.055 | 9.323 | 9.141 | 8.961 | 8.492 | 8.460 | 8.528 |
| 40 | 8.194 | 7.994 | 8.842 | 8.600 | 8.321 | 8.203 | 8.292 | 8.811 | 8.990 | 8.761 |
| 50 | 8.746 | 8.952 | 8.679 | 8.906 | 9.586 | 9.972 | 9.980 | 9.856 | 9.869 | 10.313 |
| 60 | 10.474 | 9.827 | 9.360 | 9.308 | 8.996 | 8.656 | 8.127 | 8.075 | 7.562 | 6.795 |
| 70 | 7.039 | 7.597 | 8.132 | 9.084 | 9.365 | 9.531 | 10.038 | 9.622 | 9.595 | 9.610 |
| 80 | 8.972 | 8.376 | 8.080 | 7.139 | 6.841 | 6.912 | | | | |

[a]These values should be multiplied by $10^{13}$

**Table 10. Solar spectrum integrated over 50-Å intervals**

| Wavelength, Å | Intensity,[a] photons / cm² sec Å |
|---|---|
| 950 | 1.150 |
| 1000 | 1.505 |
| 1050 | 1.738 |
| 1100 | .616 |
| 1150 | .840 |
| 1200 | 8.277 |
| 1250 | 2.003 |
| 1300 | 2.595 |
| 1350 | 4.148 |
| 1400 | 4.206 |
| 1450 | 7.651 |
| 1500 | 14.539 |
| | Intensity[b] |
| 1800 | 1.322 |
| 1850 | 2.611 |
| 1900 | 4.491 |
| 1950 | 7.613 |
| 2000 | 11.539 |
| 2050 | 17.372 |
| | Intensity[c] |
| 2150 | .475 |
| 2200 | .632 |
| 2250 | .766 |
| 2300 | .767 |
| 2350 | .708 |
| 2400 | .735 |
| 2450 | .926 |
| 2500 | .899 |
| 2550 | 1.303 |
| 2600 | 1.758 |
| 2650 | 3.393 |
| 2700 | 3.568 |
| 2750 | 3.140 |
| 2800 | 2.548 |
| 2850 | 4.560 |
| 2900 | 8.125 |
| 2950 | 8.754 |

[a] Values $\times 10^{8}$

[b] Values $\times 10^{10}$

[c] Values $\times 10^{12}$