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A Composite, High-Resolution Solar Spectrum from 2080 to 3600 Å

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February 1967

NCAR Technical Notes
NATIONAL CENTER FOR ATMOSPHERIC RESEARCH
Boulder, Colorado

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PREFACE

In the course of investigations pertaining to atmospheric ozone, it became necessary to obtain digitized information on the solar spectrum between 2000 and 3600 Å. Since no single source provided the data with the desired spectral resolution or absolute accuracy, an attempt was made to combine the available measurements into a composite, high-resolution solar spectrum in absolute units. The final spectrum was arrived at by processing high-resolution relative or less accurate measurements with more recent data of lower resolution but of higher absolute accuracy. In making the corrections, great precaution was taken to preserve the significant features of the basic high-resolution spectrum, to minimize any degradation of the absolute value resulting from the adjustment procedure, and to provide internal consistency of the data over the spectral interval of interest.

The results of the study are completely tabulated for the spectral interval between 2080 and 3600 Å in this Technical Note. The final values are based on the best measurements presently available and, although the absolute accuracy may be somewhat less than desirable for some uses, they should be adequate for many geophysical studies involving the near and middle ultraviolet portion of the solar spectrum.

ACKNOWLEDGMENTS

We thank the following persons for their discussions and generosity in providing their data in various forms: J. Hennes, The Boeing Company (formerly with Goddard Space Flight Center, NASA) and L. Dunkelman, Goddard Space Flight Center, NASA; Prof. C. A. Barth, University of Colorado; and Prof. J. London, Department of Astro-Geophysics, University of Colorado. The prompt response of Dr. R. B. Heller and the staff of the Project for Space Science Data Processing and Analysis, George Washington University, in duplicating and listing the Hennes-Dunkelman data cards is also gratefully acknowledged.

CONTENTS

I. INTRODUCTION

The need for a high-resolution, absolute solar spectrum between 2000 and 3600 Å arose in the early stages of a study being conducted by the Atmospheric Optics and Radiation Program, NCAR, for determining the total amount and the vertical distribution of ozone from satellite measurements of the radiation backscattered by the earth's atmosphere. A requirement for the data was that they be in numerical form, or in graphical form which could readily be reduced to reliable numerical values. A literature survey revealed that no one source of data met the necessary requirements of the study. The shortcomings of the data available in the literature were that (1) absolute measurements were generally made with low-resolution instruments, (2) high-resolution measurements were on a relative scale, and (3) no uniform measurements were made over the desired spectral interval either on an absolute or a relative scale. With respect to the last point, it should be mentioned that Tousey (1963) shows a photograph of a high-resolution solar spectrum from 2200 to 4000 Å taken in 1961, but the data are not yet available in numerical or graphical form. Because of these circumstances an effort was made to combine the available data into a composite, high-resolution, absolute spectrum. The results are tabulated in this report as a convenient reference.

II. SOURCES OF DATA

The composite high-resolution, absolute solar spectrum was developed from data obtained from the following sources:

A. HENNES AND DUNKELMAN

A medium-resolution ($\Delta\lambda$ = 5 Å), absolute solar spectral irradiance distribution from 2080 to 3900 Å was synthesized recently by Hennes and Dunkelman (1966) who generously offered the use of the original data which served as the basis for their work. These original data were

obtained by Hennes and Dunkelman from the published spectral curves of the NRL spectrographic measurements (Wilson, et al., 1954; Malitson, et al., 1960), the spectrographic measurements of Kachalov and Yakovleva (1962), and the ground-based spectrophotometric measurements of Dunkelman and Scolnik (1959). The data were made available on cards containing the spectral position (wavelength) and the solar irradiance values of only the significant maximum and minimum points of the spectral curves; thus, the wavelength intervals between successive data points were not equal.

Hennes and Dunkelman also provided, before publication, a listing of their final irradiance values averaged over 5-Å intervals, which were used for determining correction factors in the present study by a method described below in Sec. III. In arriving at their final irradiance values, Hennes and Dunkelman began with the original data mentioned above and corrected them with later NRL solar spectral values of lower resolution but higher absolute accuracy (Detwiler, et al., 1961; Tousey, 1963). They then made further adjustments by fitting the results to more recent measurements of UV solar irradiance which they obtained from rocketborne photo-emissive radiometers. These measurements were made with both broad- and narrow-bandpass filters whose effective bandwidths at the three center wavelengths used were, respectively, 216 Å and 111 Å at 2200 Å, 155 Å and 99 Å at 2600 Å, and 142 Å and 45 Å at 2800 Å.

The Soviet data were used by Hennes and Dunkelman for the wavelength interval 2990 to 3030 Å, where a gap existed between the NRL data and those of Dunkelman and Scolnik. Since the Soviet data were on a relative scale, they were first converted to absolute units and subsequently combined in weighted proportions with the NRL spectrum in the overlap region (2950 to 2990 Å) between the two sets of data. The same procedure was used in the overlap region between 3030 and 3070 Å to link the Soviet data with the Dunkelman and Scolnik data. The resulting fit of the Soviet data was then used for the spectral region around 3000 Å by Hennes and Dunkelman as part of the initial data to generate their medium-resolution irradiance curve.

Hennes (private communication) has cautioned that the absolute values of the 2750 to 2850 Å spectral region containing the Mg II emission lines are still open to question because of anomalous results he observed on two successive rocket flights using a 45-Å bandpass radiometer centered at 2800 Å. The published data of Hennes and Dunkelman (1966) include a discussion of the choice of irradiance data for this spectral region. In the present study, the final 5-Å resolution values published by Hennes and Dunkelman have been accepted without change.

B. BRÜCKNER

Although the data of Dunkelman and Scolnik for the wavelength range from 3030 Å to 4000 Å are considered reliable, their direct application towards a high-resolution solar irradiance spectrum is limited by the relatively low ($\Delta\lambda$ = 10 Å) resolution of the original measurements. Thus, a high-resolution spectral irradiance curve for $\lambda > 3000$ Å was sought in published solar atlases. A useful source in this case was the spectral curves published by G. Brückner (1960).

The Brückner data are the results of high-resolution, ground-based spectrographic measurements made at the Göttingen Observatory, of the light from the center and the limb portion of the solar disc. The spectral curves for the two different parts of the solar disc are presented separately in the atlas and are in a convenient form for use: namely, the scales for both the relative intensity and wavelength are linear, the graphs are sufficiently large and clearly reproduced for easy reading, and the pages containing the curves are readily removable for use in data-reducing procedures. The Brückner data representing the spectrum from the center of the solar disc were used in the present study.

C. BARTH

A digitized listing of the 1954 and 1960 NRL rocket measurements for equal wavelength intervals of 0.1 Å was provided by Prof. C. A. Barth, University of Colorado. The procedure used to reduce the NRL graphical data to digital form is described, and tabulations of the results for

the spectral intervals between 2990 and 1760 Å and between 1550 and 880 Å are presented by Brinkmann, Green and Barth (1966). Since the listing proved to be an accurate representation of the published NRL spectra and was in a convenient form for use, it was subsequently employed as a reference for checking (see Sec. IIIA) that portion of the final high-resolution spectra derived from the NRL data as made available to the present study by Hennes and Dunkelman.

III. PROCEDURE

The final high-resolution, absolute solar spectrum was generated by two slightly different methods. The first method was for the wavelength interval 2080 to 3050 Å, using the uncorrected data obtained from Hennes and Dunkelman, and the second was for the wavelengths from 3050 to 3600 Å using the data from the Brückner atlas. The steps involved in each method are discussed below:

A. 2080 TO 3050 Å

The uncorrected Hennes-Dunkelman data were introduced as input data in a computer program (Solar A program). The computer program integrates the input data over 5-Å intervals and computes a correction factor R defined as $R = I_{NRL}/I_{HD}$ where I_{NRL} is the uncorrected spectral data compiled by Hennes and Dunkelman for 5-Å intervals, and I_{HD} is the absolute irradiance values over the same 5-Å intervals as published by Hennes-Dunkelman (1966) for their final, medium-resolution solar spectrum. After R is determined, the program multiplies each uncorrected solar intensity value within a 5-Å interval by 1/R for the interval, and the result is the final high-resolution, absolute solar spectrum.

The spectral curve resulting from the computer program was then manually plotted on 3-cycle semilog graph sheets (30 Å per sheet) where it was checked against a similar curve plotted on the same sheets from the listing of the NRL data provided by Prof. Barth. The plots were checked to see if all the significant features (i.e., maximum and minimum points) were included in the final results and to align these features to within ±0.1 Å of the corresponding features on the Barth curve.

B. 3050 TO 3600 Å

The first step in the use of Brückner's published spectral curve required the transfer of the data onto cards. This was accomplished by means of Gerber Digital Data Reduction equipment which allowed the X- and Y-coordinate readings of the significant points of the published curves to be punched on cards. The cards were then fed into another computer program (Solar B program) which converted the X-coordinate reading from a relative to a wavelength scale and adjusted all the Y-coordinate readings (i.e., intensities) to a common relative scale. The intensities were further corrected for ozone absorption since the original spectrum was derived from ground-based measurements and no previous corrections for ozone absorption were made.

Two different total amounts of ozone were used in the latter procedure, since the Brückner data were based on measurements made several months apart. A value of 0.340 atm-cm of total ozone was used for the spectral region from 2988 to 3055 Å (observed in June 1960) and a value of 0.300 atm-cm for the interval from 3055 to 3629 Å (observed in September 1959). These values of total ozone are averages for the respective months for the latitude (52^{o}N) of the Göttingen Observatory. They were made available to the present study by Prof. J. London, University of Colorado, from his analyses of the data gathered from the Northern Hemisphere ozone-observing network.

The Brückner data, after the corrections for ozone absorption were applied, were put on cards which were then used as the input data for the Solar A program described earlier. In this case, I_{NRL} in the definition of R becomes I_{BRU}, the relative intensities obtained from the Brückner atlas and corrected for ozone absorption.

IV. RESOLUTION AND ACCURACY

The resolution of the final composite solar spectrum varies somewhat over different wavelength intervals because of the different sources used for the original data. An indication of the resolution and its variation is given in the following list:

2080 to 3000 Å	Total of 1953 data points or ~ 2 points/Å
2950 to 3050 Å	Total of 452 data points or ~ 4 points/Å
3000 to 3600 Å	Total of ~ 10,000 data points or ~ 15 points/Å.

Comparison of a plot of the final composite high-resolution spectrum with plots of the original data as represented by Barth's listing in the case of NRL spectrum, and the published curves for the Brückner and Soviet data, showed that the significant peaks and dips were faithfully retained. As noted earlier, the spectral positions of these features for $\lambda < 3050$ Å (NRL and Soviet data) are within (or were adjusted to, when necessary) ±0.10 Å of the corresponding features in the original data. Because of the better resolution obtained from the Brückner atlas, the spectral positions of the features in the original curve and the final composite curve agree to within ±0.05 Å for $\lambda > 3050$ Å.

A more difficult factor to determine is the absolute accuracy of the final results. Hennes (private communication) has indicated that the absolute accuracy of their final medium-resolution spectrum cannot be expected to be better than 15 to 20%, and any higher-resolution spectrum based on their work would probably be no better than 30%. Considering all the factors involved in the programming, this estimate appears to be reasonable for the final results in the present case except for the region (2750 to 2850 Å) of the Mg II lines where the uncertainties (including possible variations with solar activity), as discussed in Sec. IIA, may be greater. There is clearly a need for detailed solar spectral measurements using simple, well-calibrated rocket spectrometers covering the entire middle and near ultraviolet.

V. DATA AVAILABILITY

The final composite, high-resolution, absolute spectrum for the spectral interval from 2080 to 3600 Å has been recorded on magnetic tape for storage and future use. In addition to the tabulation in Sec. VI, the solar spectral irradiance values are readily available to anyone who has need for such data and may be obtained as a listing on cards or tapes through the Atmospheric Optics and Radiation Program, Laboratory of Atmospheric Sciences, NCAR, Boulder, Colorado.

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VI. THE SOLAR SPECTRAL FLUX FROM 2080 TO 3600 Å

NOTES

1. The solar flux values are given to two significant figures and in units of $\mu w\ cm^{-2}\ \mathring{A}^{-1}$ (i.e., microwatts per square centimeter per Angstrom).

2. Each tabulated flux value is to be multiplied by a factor of 10 raised to the power designated by the algebraic sign and the number following the flux value. These designations are given for the first value in each column and apply to all subsequent values until a change is indicated by a different sign or number or both.

WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX
2080.00	1.8-01	2100.10	2.2-01	2119.70	4.5-01	2139.75	3.2-01	2156.95	3.7-01	2173.90	4.0-01
2080.45	1.8	2100.28	2.4	2120.00	5.4	2140.00	4.3	2157.20	3.4	2174.05	3.9
2080.70	1.8	2100.50	2.5	2120.25	5.5	2140.85	6.2	2157.55	3.4	2174.75	3.5
2081.30	1.8	2100.90	3.0	2120.70	4.6	2140.90	6.3	2157.75	3.3	2175.20	4.0
2081.50	1.8	2101.70	3.8	2120.90	4.3	2141.10	6.4	2158.05	3.4	2175.32	4.3
2082.00	1.8	2102.30	2.6	2121.15	3.6	2141.80	4.9	2158.70	3.0	2175.50	4.5
2082.30	1.8	2102.50	2.6	2121.35	3.4	2142.10	4.9	2159.35	3.8	2175.75	4.8
2082.75	1.9	2103.05	2.0	2122.20	3.4	2142.30	4.9	2159.65	3.8	2175.90	4.9
2083.05	2.1	2103.50	2.1	2122.40	3.4	2142.55	5.0	2160.00	4.3	2176.40	5.1
2083.50	2.0	2104.50	3.4	2122.90	3.0	2143.10	5.4	2160.65	6.1	2176.75	4.1
2083.80	1.8	2105.00	3.7	2123.12	2.5	2143.50	5.5	2160.90	5.7	2176.90	3.9
2084.25	1.8	2105.35	3.8	2123.50	2.3	2143.70	5.6	2161.10	5.0	2177.10	3.7
2084.60	2.0	2106.20	3.0	2124.05	1.9	2143.95	5.6	2161.30	4.9	2177.35	3.6
2085.00	1.8	2106.50	3.2	2125.00	2.6	2144.35	4.8	2161.70	5.0	2178.00	3.4
2085.10	1.7	2106.75	3.4	2125.60	3.5	2144.70	4.9	2161.90	4.9	2178.70	5.4
2085.70	1.9	2107.30	3.4	2125.90	3.5	2145.00	4.7	2162.25	4.3	2179.05	6.1
2085.90	1.9	2107.45	3.4	2126.35	4.3	2145.40	4.0	2162.80	5.6	2179.65	7.0
2086.45	2.0	2108.70	2.1	2127.05	3.9	2145.70	4.1	2163.05	5.7	2180.15	6.0
2087.00	1.7	2109.00	2.2	2127.50	3.9	2145.90	4.0	2163.50	4.3	2180.55	6.8
2088.00	2.5	2109.35	2.6	2127.70	3.9	2146.40	4.4	2163.85	4.2	2180.80	6.8
2088.80	1.7	2109.50	2.5	2128.00	4.1	2146.80	3.9	2164.10	4.7	2181.35	6.1
2089.45	2.0	2109.90	2.4	2128.35	3.8	2147.25	4.3	2164.40	4.6	2181.70	7.1
2089.85	1.7	2110.00	2.3	2128.95	4.5	2147.60	4.2	2164.80	5.4	2181.95	7.3
2090.30	1.9	2110.10	2.3	2129.80	3.0	2148.15	4.8	2165.00	4.9	2182.30	6.9
2090.75	2.0	2110.95	3.2	2129.85	2.9	2148.50	4.9	2165.45	3.3	2182.45	6.9
2091.00	2.1	2111.05	3.5	2130.25	3.1	2148.75	5.0	2166.10	3.3	2182.80	7.0
2091.20	2.2	2111.45	3.5	2130.45	3.1	2149.00	5.0	2166.75	2.7	2183.55	4.2
2091.60	1.9	2112.05	4.3	2130.70	3.3	2149.20	5.0	2168.00	5.1	2184.10	5.0
2092.30	2.2	2112.40	4.1	2131.05	3.5	2149.65	6.3	2168.40	4.8	2184.45	5.0
2092.70	2.8	2112.95	2.6	2131.55	4.1	2150.00	5.8	2168.90	3.6	2184.85	6.8
2092.95	2.8	2113.80	3.4	2132.10	3.4	2150.75	3.1	2169.10	3.5	2185.00	6.8
2093.65	1.7	2114.00	3.5	2132.20	3.2	2151.35	4.6	2169.50	3.8	2185.30	6.9
2094.35	2.1	2114.75	2.1	2133.10	4.3	2151.60	4.5	2169.70	4.0	2185.50	6.9
2094.85	2.1	2115.00	2.4	2133.70	4.2	2151.90	4.5	2170.00	4.9	2185.90	6.7
2095.00	2.2	2115.75	4.0	2134.55	2.9	2152.10	4.4	2170.45	5.1	2186.60	3.3
2095.40	2.6	2116.10	4.1	2135.00	3.3	2152.70	4.8	2171.20	4.0	2186.90	3.1
2095.75	2.6	2116.30	4.3	2135.55	3.9	2152.90	4.9	2171.50	4.8	2187.45	4.9
2096.40	2.2	2116.50	4.4	2135.80	4.0	2153.40	6.7	2171.65	4.9	2187.95	5.8
2096.55	2.2	2116.55	4.5	2136.05	3.7	2154.25	4.5	2171.85	5.1	2188.25	6.4
2097.75	2.8	2116.85	4.3	2136.20	3.7	2154.80	4.9	2171.95	5.0	2188.85	4.4
2098.20	2.8	2117.35	4.4	2136.90	5.3	2155.00	4.7	2172.20	5.0	2189.25	4.2
2098.80	2.3	2118.35	3.2	2137.20	5.5	2155.35	4.5	2172.40	5.0	2189.85	6.3
2099.20	2.4	2118.90	3.7	2137.45	5.3	2155.55	4.6	2172.70	4.8	2190.00	6.1
2099.80	2.0	2119.20	3.8	2138.70	2.8	2155.90	4.3	2173.10	4.4	2190.40	6.1
2100.00	2.1	2119.50	4.3	2139.20	3.3	2156.20	4.6	2173.55	4.4	2190.50	6.1

WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX
2191.20	5.3-01	2207.75	3.9-01	2220.85	7.1-01	2233.60	8.8-01	2245.00	7.1-01	2257.40	7.3-01
2191.30	5.2	2208.00	4.2	2221.15	7.0	2233.90	8.1	2245.20	7.9	2257.85	5.4
2191.65	4.0	2208.20	4.5	2221.40	7.4	2234.00	8.1	2245.25	8.0	2257.95	5.2
2192.50	7.7	2208.75	5.9	2221.75	6.6	2234.25	8.2	2245.70	8.0	2258.20	5.7
2192.90	8.3	2209.05	6.1	2222.25	6.6	2234.50	8.2	2245.90	7.8	2258.40	6.7
2193.40	6.6	2209.30	5.7	2222.80	4.9	2234.70	8.7	2246.20	7.1	2258.60	8.0
2193.55	6.9	2209.60	4.2	2223.00	5.1	2234.85	9.0	2246.70	8.2	2259.00	7.5
2193.95	7.3	2210.00	3.5	2223.15	5.3	2234.90	9.0	2247.10	8.2	2259.25	5.3
2194.60	5.4	2210.20	3.4	2223.90	7.6	2235.15	9.3	2247.60	8.7	2259.55	5.0
2194.95	5.1	2210.75	3.0	2224.05	7.6	2235.55	8.8	2247.85	9.6	2259.75	4.6
2195.25	5.2	2210.90	3.2	2224.30	7.3	2235.85	9.3	2248.05	8.9	2260.00	4.8
2195.90	3.9	2211.10	3.6	2224.50	6.2	2236.15	8.7	2248.10	8.7	2260.30	5.4
2196.00	4.4	2211.50	3.8	2224.80	5.4	2236.35	8.1	2248.80	5.2	2260.50	5.6
2196.30	5.1	2211.90	4.2	2225.00	5.6	2236.65	7.2	2249.00	5.1	2261.45	5.9
2196.55	5.6	2212.50	6.8	2225.10	6.1	2236.85	7.6	2249.10	5.3	2261.60	5.8
2197.05	5.6	2212.95	7.3	2225.35	6.7	2237.25	8.4	2249.70	7.3	2262.00	6.7
2197.80	7.1	2213.15	7.0	2225.50	6.9	2237.60	7.6	2250.15	6.2	2262.20	6.8
2198.00	7.2	2213.55	5.1	2225.85	6.6	2237.65	6.6	2250.40	6.9	2262.35	6.7
2198.10	6.9	2213.75	4.9	2226.20	6.0	2238.00	6.4	2250.60	6.4	2262.70	5.8
2198.40	6.9	2213.80	4.9	2226.45	5.4	2238.40	5.7	2251.15	5.5	2262.95	5.8
2198.55	6.8	2214.10	5.3	2226.80	5.5	2238.70	6.1	2251.40	5.8	2263.25	5.1
2199.00	6.9	2214.40	6.3	2227.20	5.4	2238.80	6.3	2251.65	5.8	2263.45	5.0
2199.35	6.2	2214.75	6.7	2227.60	5.5	2239.20	8.1	2252.05	8.0	2263.90	6.2
2199.45	6.0	2215.00	6.1	2227.80	5.4	2239.50	9.0	2252.10	8.3	2264.15	5.5
2200.30	3.5	2215.10	6.0	2228.05	6.1	2239.70	9.0	2252.45	8.5	2264.35	4.9
2200.75	4.2	2215.30	5.7	2228.30	6.5	2239.80	9.1	2252.55	8.1	2264.60	4.4
2201.10	4.2	2215.50	5.2	2228.35	6.9	2240.00	8.6	2252.95	5.3	2265.00	4.6
2201.60	6.8	2215.60	5.1	2228.55	7.2	2240.25	6.8	2253.30	5.3	2265.30	4.6
2201.80	7.2	2216.55	3.0	2228.85	6.9	2240.55	6.6	2253.80	4.6	2265.70	4.7
2202.15	6.7	2217.05	4.1	2229.30	6.8	2240.85	6.8	2253.95	5.3	2265.95	4.5
2202.50	7.2	2217.35	4.2	2229.70	6.5	2240.90	6.6	2254.30	7.7	2266.55	5.2
2203.00	7.7	2217.50	4.0	2230.00	6.3	2241.10	6.4	2254.40	7.8	2266.85	4.9
2203.25	7.6	2218.00	3.9	2230.10	6.1	2241.20	6.3	2254.55	7.9	2267.35	4.2
2203.55	7.5	2218.15	4.1	2230.40	6.2	2241.40	6.3	2254.85	6.8	2267.60	4.7
2204.40	5.6	2218.45	5.4	2230.50	6.2	2241.70	6.6	2255.00	6.7	2268.00	5.2
2204.80	7.0	2218.80	5.5	2231.05	4.6	2242.30	6.9	2255.10	6.6	2268.40	4.9
2204.90	7.5	2219.30	7.1	2231.60	6.7	2242.65	6.3	2255.40	6.3	2269.15	3.9
2205.00	7.3	2219.40	7.2	2231.70	7.0	2242.70	6.4	2255.95	5.1	2269.30	4.5
2205.05	7.6	2219.60	6.9	2232.20	8.1	2243.10	6.7	2256.05	5.0	2269.80	5.0
2205.30	7.1	2219.80	6.5	2232.30	8.2	2243.35	6.0	2256.40	5.3	2270.15	4.3
2205.40	6.9	2220.00	6.2	2232.55	9.2	2243.50	5.9	2256.50	5.5	2270.35	4.0
2206.35	4.9	2220.10	5.9	2232.80	9.2	2243.60	5.8	2256.70	5.6	2270.85	4.7
2206.60	5.0	2220.30	6.2	2232.95	9.4	2243.90	5.8	2257.00	6.7	2271.35	5.0
2206.95	5.9	2220.50	6.7	2233.30	1.0+00	2244.35	5.3	2257.05	7.6	2272.05	4.5
2207.40	4.3	2220.70	7.0	2233.55	9.8-01	2244.60	5.5	2257.30	7.7	2272.30	5.0

WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX
2272.50	5.2-01	2290.20	5.8-01	2308.15	8.1-01	2333.75	6.6-01	2357.35	7.8-01	2382.85	3.7-01
2272.85	5.2	2290.85	5.3	2308.80	6.4	2334.45	5.6	2357.65	7.3	2383.75	5.1
2273.20	5.3	2291.35	6.4	2309.55	5.7	2335.00	6.7	2357.95	7.3	2384.65	5.6
2273.50	4.6	2291.55	6.5	2310.15	6.5	2335.25	7.8	2358.35	6.9	2385.00	6.3
2274.00	4.2	2291.75	6.4	2310.95	4.1	2335.75	7.9	2359.00	4.2	2385.40	6.9
2274.30	5.1	2292.05	6.5	2311.75	5.4	2336.20	6.8	2359.50	4.6	2385.80	7.1
2274.70	5.6	2292.35	6.1	2312.20	4.3	2337.05	4.7	2360.30	3.7	2386.25	6.5
2274.85	6.0	2292.90	7.1	2312.85	5.2	2338.05	3.6	2361.25	6.5	2386.90	7.3
2275.15	5.4	2293.15	6.9	2313.70	4.4	2338.50	4.0	2361.80	5.1	2388.55	3.5
2275.45	4.7	2294.00	6.6	2314.55	7.8	2339.15	4.7	2362.00	5.1	2389.90	6.4
2275.95	4.3	2294.10	6.5	2314.90	7.7	2339.55	4.6	2362.20	5.6	2390.00	6.7
2276.20	5.0	2295.00	6.8	2315.00	8.8	2339.85	5.8	2362.35	6.4	2390.60	8.6
2276.55	6.2	2295.15	6.8	2315.35	9.7	2340.30	5.7	2362.70	8.0	2391.55	6.5
2276.85	6.5	2295.60	9.1	2316.00	6.2	2340.45	5.8	2362.85	8.0	2392.25	7.8
2277.20	5.9	2296.00	7.6	2316.60	7.9	2340.90	5.6	2363.70	5.3	2392.95	6.6
2277.45	5.7	2296.10	6.6	2317.10	5.8	2341.65	6.9	2364.20	5.9	2393.45	7.3
2278.00	6.4	2296.25	5.9	2317.65	7.7	2342.70	4.8	2364.70	4.0	2394.40	4.7
2278.30	6.1	2296.50	5.3	2317.90	7.4	2343.50	3.2	2365.65	6.0	2395.50	3.2
2278.60	5.8	2297.20	4.9	2318.20	7.1	2343.90	3.2	2366.00	5.8	2397.55	6.5
2279.10	7.1	2297.60	4.5	2318.85	7.8	2344.30	3.7	2366.75	4.6	2399.05	3.8
2279.40	5.9	2298.05	3.9	2319.15	5.7	2344.70	4.6	2367.45	6.2	2399.55	5.2
2279.85	4.9	2298.40	4.5	2319.90	3.7	2345.00	4.2	2367.80	6.1	2400.65	7.4
2280.30	6.6	2298.70	5.3	2320.00	4.0	2345.35	3.8	2368.50	5.0	2401.35	6.7
2280.40	7.3	2299.50	5.9	2320.65	6.7	2346.10	4.6	2369.00	6.9	2402.30	6.1
2280.60	7.7	2300.00	5.6	2321.25	4.5	2346.40	4.4	2369.60	6.8	2403.30	7.0
2281.00	7.6	2300.20	5.0	2321.70	5.1	2347.00	5.1	2369.90	6.6	2404.85	3.4
2281.75	7.7	2301.15	5.9	2321.90	5.7	2347.80	3.9	2370.00	6.5	2405.85	5.6
2282.30	8.8	2301.55	6.0	2322.50	8.8	2348.20	3.4	2370.40	6.1	2406.70	4.1
2283.10	5.8	2301.90	7.0	2322.80	8.7	2349.00	5.5	2370.95	8.0	2408.35	7.1
2283.75	6.3	2302.15	8.2	2323.55	1.1+00	2349.70	6.6	2371.25	7.8	2408.75	6.5
2284.00	6.1	2302.65	6.2	2324.25	7.7-01	2350.00	6.8	2371.60	8.3	2409.45	6.8
2284.40	7.7	2302.85	5.1	2324.55	7.7	2350.50	6.3	2372.20	8.0	2410.00	5.1
2285.00	8.8	2303.05	4.7	2325.00	6.7	2351.20	6.4	2373.40	4.0	2410.95	3.6
2285.20	9.2	2303.55	5.5	2325.70	4.4	2351.65	7.1	2374.60	5.9	2412.30	6.4
2285.85	6.2	2303.80	6.4	2326.80	6.2	2352.30	7.1	2375.00	5.1	2413.20	4.3
2286.15	5.5	2304.20	7.7	2327.35	4.7	2352.60	7.9	2375.25	4.9	2414.05	6.0
2286.60	5.9	2304.80	6.9	2328.20	7.9	2352.90	8.0	2375.85	6.3	2414.50	7.1
2286.90	5.0	2305.00	7.5	2328.75	6.9	2353.45	6.2	2376.85	8.4	2415.00	6.6
2287.15	4.3	2305.10	7.8	2329.40	8.5	2353.85	6.9	2377.45	8.2	2415.10	6.3
2287.80	5.6	2305.30	8.3	2330.00	5.9	2354.85	4.6	2378.50	5.4	2415.55	7.2
2288.35	7.6	2305.80	9.8	2330.05	6.0	2355.60	7.0	2379.30	4.7	2416.00	7.0
2288.70	6.5	2306.35	8.9	2330.55	7.0	2356.10	8.2	2380.00	5.9	2416.45	8.3
2289.25	6.5	2306.75	9.8	2331.30	4.6	2356.45	7.1	2380.85	4.1	2417.40	6.7
2289.80	5.3	2307.10	8.1	2332.05	5.5	2356.65	7.4	2381.15	4.2	2418.15	9.3
2290.00	5.7	2307.85	7.3	2332.85	3.9	2356.95	7.0	2382.05	3.2	2419.00	7.5

WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX
2419.50	8.4-01	2446.20	7.0-01	2468.95	7.1-01	2489.65	4.8-01	2511.25	7.9-01	2532.75	7.7-01
2420.00	8.2	2447.05	7.0	2469.25	7.3	2490.00	4.9	2511.45	7.7	2533.15	7.7
2420.10	8.1	2447.90	5.5	2469.55	6.9	2490.15	5.0	2512.05	7.0	2533.35	7.8
2420.40	8.6	2448.40	6.7	2470.00	7.0	2490.80	3.9	2512.70	7.9	2533.65	7.0
2421.10	8.5	2449.35	7.2	2470.05	7.0	2491.15	3.9	2513.60	6.7	2534.15	8.1
2421.60	9.7	2450.15	5.8	2470.40	6.8	2491.85	6.5	2513.75	6.7	2534.55	8.2
2422.20	1.0+00	2450.85	6.5	2470.60	6.8	2492.00	6.6	2514.30	5.1	2534.85	8.4
2423.25	7.1-01	2451.40	5.9	2471.25	8.1	2492.20	6.5	2514.80	5.9	2535.45	6.0
2423.65	7.9	2452.05	5.5	2471.55	8.3	2492.70	7.6	2515.10	6.5	2536.15	7.3
2424.30	6.9	2452.95	6.2	2472.85	4.5	2492.90	7.6	2516.10	4.3	2536.45	7.1
2425.00	7.6	2453.75	5.5	2473.70	8.2	2493.05	7.4	2516.80	6.1	2537.15	7.0
2425.15	7.9	2454.30	6.3	2473.90	8.1	2493.40	8.5	2517.45	6.1	2537.70	8.9
2425.65	7.9	2455.00	7.0	2474.15	8.1	2493.85	7.8	2517.80	5.9	2538.75	6.8
2426.00	9.0	2455.10	7.1	2474.75	7.0	2494.55	9.2	2517.90	5.7	2539.40	8.5
2427.00	1.1+00	2456.30	5.9	2474.85	7.3	2494.85	9.7	2518.45	6.4	2539.50	8.7
2427.55	9.4-01	2456.50	5.9	2474.95	7.7	2495.25	9.7	2519.10	5.0	2539.70	9.1
2428.25	7.3	2457.10	6.8	2475.60	8.0	2495.45	9.5	2519.70	6.5	2540.10	9.1
2428.65	7.5	2457.35	6.8	2475.85	8.1	2495.85	8.1	2520.15	7.9	2540.85	6.0
2429.05	7.1	2458.00	7.7	2476.35	7.3	2496.20	7.3	2520.70	7.9	2541.45	8.5
2429.55	8.4	2458.70	5.9	2476.90	7.7	2497.15	1.0+00	2521.20	6.7	2541.90	7.4
2430.00	8.2	2458.90	5.9	2477.35	7.5	2497.65	7.7-01	2521.65	7.0	2542.50	8.8
2430.40	9.2	2459.30	6.3	2477.65	7.8	2498.20	8.8	2521.80	6.4	2543.00	9.7
2431.50	8.8	2459.60	7.0	2478.30	6.2	2498.65	8.1	2522.35	6.4	2543.75	8.7
2432.20	7.1	2460.00	6.5	2478.60	6.0	2499.10	1.0+00	2522.95	4.5	2544.15	9.1
2433.15	7.1	2460.30	6.1	2478.95	7.1	2500.00	1.0	2523.45	5.8	2544.30	8.8
2433.85	8.9	2460.75	6.0	2479.55	4.8	2500.20	1.0	2524.10	4.5	2544.60	8.1
2434.80	5.6	2461.10	5.8	2479.90	4.7	2501.25	5.2-01	2524.60	6.0	2545.15	9.0
2434.95	5.3	2461.55	6.0	2480.00	5.2	2502.15	8.1	2524.80	6.5	2546.00	6.5
2435.45	7.1	2462.55	4.6	2480.75	8.6	2502.50	7.8	2525.25	6.2	2546.30	7.8
2436.90	7.0	2463.10	5.8	2481.30	8.6	2502.80	8.8	2525.75	7.2	2546.60	7.7
2437.45	9.2	2463.40	5.9	2482.00	7.4	2503.40	8.2	2526.45	7.0	2547.05	8.6
2438.00	8.2	2463.60	5.9	2482.50	6.3	2503.65	9.2	2526.55	7.0	2547.25	8.6
2438.50	7.3	2464.25	7.1	2483.55	3.6	2504.70	9.2	2526.70	7.2	2547.40	8.7
2439.55	6.4	2464.50	7.2	2484.30	5.0	2504.85	8.4	2527.45	5.1	2547.70	7.9
2440.00	6.9	2464.75	6.4	2484.85	6.3	2505.30	6.8	2527.95	5.8	2548.00	7.8
2440.70	8.7	2465.00	6.3	2484.95	6.5	2505.55	7.3	2528.45	4.5	2548.50	7.5
2441.35	8.7	2465.10	6.3	2485.30	6.6	2506.60	4.7	2529.15	4.7	2549.00	6.9
2441.75	7.8	2465.55	7.0	2486.00	8.2	2507.15	6.2	2529.50	5.3	2549.40	5.9
2442.25	9.2	2465.90	7.0	2486.40	7.0	2508.15	8.6	2530.00	5.7	2550.20	9.1
2443.05	8.5	2466.10	6.9	2486.70	6.7	2508.65	8.6	2530.05	6.7	2550.50	8.7
2443.65	6.7	2466.50	6.1	2487.00	7.1	2508.95	8.2	2530.95	8.6	2550.85	9.1
2444.10	7.7	2467.15	7.8	2487.55	6.1	2509.05	8.2	2531.25	8.2	2551.10	1.0+00
2444.50	7.4	2467.70	7.3	2488.20	4.2	2509.85	9.3	2531.50	8.7	2551.60	1.3
2445.00	7.8	2468.00	7.5	2488.90	5.8	2510.05	9.5	2532.15	7.4	2552.20	1.3
2445.45	7.3	2468.50	7.5	2489.10	5.9	2510.85	5.8	2532.55	7.8	2552.60	9.0-01

WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX
2553.35	8.9-01	2571.60	1.6+00	2594.50	1.3+00	2618.20	1.1+00	2642.23	1.9+00	2660.15	2.4+00
2553.60	1.4+00	2571.90	1.7	2594.85	1.6	2618.65	1.2	2642.37	1.9	2660.55	1.7
2554.30	1.4	2572.30	1.5	2595.60	1.5	2619.35	1.7	2642.80	2.9	2661.05	2.5
2554.45	1.2	2572.78	1.5	2595.70	1.5	2620.00	1.3	2643.30	2.7	2661.72	1.2
2554.70	1.1	2573.30	1.8	2595.95	1.4	2620.40	1.0	2643.65	2.8	2662.95	2.5
2555.25	9.6-01	2573.50	1.8	2596.10	1.4	2621.00	1.3	2644.42	1.6	2663.65	9.4-01
2555.80	1.2+00	2573.80	1.9	2596.30	1.4	2621.55	9.0-01	2644.85	2.1	2664.00	1.3+00
2556.45	1.2	2574.55	1.5	2596.65	1.4	2622.50	1.6+00	2645.00	1.9	2664.25	1.4
2556.70	9.7-01	2574.70	1.4	2597.15	1.3	2623.45	1.1	2645.10	1.9	2664.65	2.0
2557.40	9.6	2574.85	1.2	2598.35	6.5-01	2624.25	1.5	2645.35	1.8	2664.85	1.9
2557.75	1.2+00	2575.05	1.0	2598.85	6.7	2625.00	1.2	2645.70	2.0	2665.00	2.3
2558.40	1.2	2575.60	9.8-01	2599.45	6.0	2625.65	6.6-01	2646.50	1.3	2665.10	2.4
2558.55	1.2	2576.15	7.6	2599.85	7.5	2626.50	1.1+00	2647.00	2.0	2665.35	2.3
2558.95	1.5	2576.75	1.1+00	2600.75	1.2+00	2627.75	1.1	2647.55	1.4	2665.55	2.4
2559.15	1.3	2577.40	1.4	2601.20	1.4	2628.25	6.9-01	2647.95	1.5	2666.05	1.5
2559.30	1.2	2577.90	1.3	2601.65	1.5	2629.10	1.1+00	2648.35	9.8-01	2666.25	1.5
2559.95	1.2	2578.40	1.6	2602.35	1.4	2630.00	9.1-01	2648.70	9.7	2666.80	1.0
2560.05	1.3	2578.75	1.7	2602.55	1.4	2630.10	8.7	2649.15	1.2+00	2667.70	3.1
2560.45	1.2	2579.20	1.5	2602.70	1.5	2630.30	8.5	2649.27	1.2	2668.14	1.7
2560.70	1.3	2579.80	2.0	2603.20	1.5	2631.10	5.4	2649.60	1.5	2668.55	2.2
2561.35	1.3	2580.00	1.9	2603.65	1.2	2631.70	8.2	2649.85	1.5	2668.90	1.8
2561.70	1.2	2580.45	1.6	2603.90	1.2	2632.30	8.2	2650.00	1.7	2669.10	1.9
2562.25	8.1-01	2581.35	2.6	2604.25	1.4	2632.85	9.1	2650.25	1.8	2669.65	1.1
2562.50	8.1	2582.40	1.1	2604.85	1.3	2633.35	1.2+00	2650.75	1.3	2670.00	1.7
2562.90	1.0+00	2582.65	1.0	2604.90	1.2	2633.70	1.3	2650.97	1.6	2670.53	2.4
2563.30	8.4-01	2583.65	1.9	2604.95	1.2	2633.90	1.4	2651.23	1.4	2670.82	2.4
2563.50	8.4	2584.45	1.1	2605.50	8.0-01	2634.60	1.5	2651.60	1.7	2671.45	3.3
2564.15	1.3+00	2584.80	1.2	2606.00	9.7	2635.40	1.5	2652.10	1.5	2671.95	1.2
2564.50	1.3	2585.05	1.2	2606.85	6.5	2635.90	1.1	2652.50	1.8	2672.15	1.2
2564.70	1.2	2586.00	7.2-01	2607.70	1.2+00	2636.05	1.3	2652.95	2.3	2672.45	1.2
2564.90	1.2	2586.95	1.3+00	2608.95	1.2	2636.45	1.7	2653.85	1.4	2672.70	1.2
2565.95	1.7	2587.15	1.4	2609.30	1.3	2636.55	1.6	2654.20	2.0	2672.90	1.5
2566.40	1.6	2587.75	1.6	2610.00	1.3	2637.07	1.2	2654.45	1.9	2673.45	1.5
2566.79	1.2	2588.20	1.2	2610.45	1.3	2637.55	1.9	2655.15	2.9	2674.05	2.6
2567.20	1.2	2589.50	2.4	2611.80	6.8-01	2637.92	2.1	2655.85	1.8	2674.65	3.2
2567.55	1.7	2589.90	2.2	2612.00	7.1	2638.09	2.1	2656.24	1.5	2675.00	3.1
2568.09	1.3	2590.00	2.1	2613.00	1.1+00	2638.63	2.4	2656.85	2.4	2675.05	3.1
2568.40	1.4	2590.65	1.6	2613.75	7.5-01	2639.50	1.7	2657.10	2.3	2675.30	3.1
2568.60	1.4	2590.80	1.6	2614.85	1.4+00	2640.00	1.6	2657.25	2.3	2675.40	3.1
2568.90	1.6	2591.50	1.1	2614.90	1.4	2640.21	1.5	2657.45	2.1	2675.75	3.1
2569.35	1.6	2591.90	1.6	2615.45	1.5	2640.70	1.9	2657.75	2.3	2676.10	2.6
2569.60	1.5	2592.60	1.6	2615.70	1.4	2640.88	1.9	2658.50	1.4	2676.55	3.7
2570.15	1.9	2593.65	7.5-01	2616.15	1.4	2641.30	1.5	2659.05	2.0	2677.20	1.4
2570.80	1.3	2594.30	1.2+00	2616.45	1.5	2641.50	1.5	2659.35	2.2	2677.65	2.8
2571.38	1.7	2594.35	1.3	2617.45	7.8-01	2641.75	1.3	2659.70	2.2	2678.05	2.2

WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX
2678.30	2.4+00	2696.20	1.9+00	2715.00	2.4+00	2732.55	2.6+00	2757.25	1.6+00	2780.55	1.8+00
2678.80	1.4	2696.75	3.5	2715.10	2.6	2732.95	2.3	2758.30	4.1	2780.95	1.5
2679.00	1.4	2697.35	2.7	2715.50	1.9	2733.15	2.3	2759.80	2.2	2781.35	1.2
2679.55	2.6	2697.70	3.2	2715.80	2.8	2733.65	1.1	2760.00	2.4	2782.40	1.8
2679.75	2.5	2698.20	2.5	2716.20	2.5	2734.75	2.4	2760.50	2.9	2783.00	1.3
2680.00	2.3	2698.50	2.6	2716.50	2.8	2735.00	2.2	2761.15	3.1	2783.40	1.4
2680.35	2.2	2698.85	2.3	2716.60	2.8	2735.25	1.8	2761.95	1.5	2783.60	1.3
2680.65	2.7	2699.85	4.1	2716.90	3.1	2735.55	1.2	2762.40	2.0	2784.10	1.6
2680.80	2.7	2700.00	4.6	2717.40	2.3	2735.95	2.8	2762.70	1.6	2784.75	1.6
2681.25	3.6	2700.25	5.3	2717.65	2.4	2736.45	1.0	2763.50	3.1	2785.15	1.5
2681.73	2.5	2701.15	2.5	2717.95	2.4	2736.85	8.9-01	2764.30	2.0	2785.60	1.6
2682.10	3.0	2701.30	3.0	2718.50	6.0-01	2737.10	6.3	2764.80	3.7	2787.50	1.5
2682.35	3.0	2701.70	2.2	2719.20	6.2	2738.05	2.2+00	2765.00	3.6	2788.15	9.2-01
2682.60	3.2	2702.15	2.6	2719.85	1.6+00	2738.75	1.8	2765.50	3.1	2788.65	1.3+00
2683.10	2.3	2702.45	2.6	2720.00	1.6	2739.45	6.5-01	2765.80	3.5	2789.05	1.2
2683.70	3.1	2703.05	4.6	2720.20	1.5	2740.00	9.9	2766.50	1.7	2790.00	1.2
2684.10	2.0	2703.80	2.2	2720.30	1.4	2740.65	1.7+00	2767.10	3.1	2790.45	1.2
2684.50	3.1	2704.50	4.6	2720.90	8.5-01	2741.20	1.4	2767.50	2.1	2790.90	1.1
2684.80	2.0	2704.70	4.6	2721.30	1.7+00	2741.65	1.7	2767.90	2.9	2791.70	8.7-01
2685.00	2.4	2704.95	4.8	2721.75	2.4	2742.25	8.1-01	2768.35	2.0	2794.80	4.1
2685.55	3.5	2705.00	4.6	2722.20	1.9	2742.90	1.1+00	2769.10	1.8	2795.15	1.3+00
2686.05	3.4	2705.40	3.3	2722.50	2.3	2743.15	7.6-01	2769.50	2.3	2795.55	1.6
2686.30	3.5	2705.80	2.9	2722.80	2.4	2743.80	1.2+00	2770.00	2.9	2796.50	4.3-01
2686.70	3.4	2706.03	2.2	2723.05	2.6	2744.10	8.7-01	2770.35	3.0	2797.45	5.9
2686.90	3.3	2706.20	3.0	2723.60	1.1	2744.70	1.7+00	2770.60	2.5	2797.85	5.0
2687.20	3.2	2706.60	2.1	2724.10	2.1	2745.00	1.9	2771.25	3.3	2799.00	7.5
2687.50	3.5	2707.30	3.5	2724.50	2.2	2745.30	2.2	2772.10	1.6	2800.00	6.9
2687.90	2.4	2707.60	3.2	2724.90	1.3	2746.65	6.7-01	2773.05	3.2	2802.00	5.0
2688.70	3.4	2707.90	3.3	2725.00	1.6	2747.20	8.6	2773.35	2.8	2802.55	1.3+00
2689.30	2.0	2708.25	3.2	2725.50	2.8	2748.25	1.8+00	2773.80	3.2	2803.35	4.7-01
2689.55	2.3	2708.66	1.7	2726.05	1.6	2749.45	6.2-01	2774.05	2.8	2805.00	8.2
2689.90	1.9	2709.40	3.5	2726.40	2.1	2750.00	8.2	2774.40	3.0	2806.55	1.1+00
2690.00	2.1	2709.90	2.9	2726.80	2.2	2750.05	8.5	2774.80	2.4	2806.85	9.9-01
2690.62	3.0	2710.00	2.7	2727.00	2.4	2750.30	7.7	2775.00	2.5	2807.80	1.4+00
2691.10	2.2	2710.30	2.3	2727.45	9.2-01	2750.80	1.4+00	2775.15	2.5	2808.00	1.3
2692.06	3.7	2710.75	3.7	2728.40	3.1+00	2751.70	2.3	2775.40	2.4	2809.40	1.7
2692.68	2.1	2711.10	2.9	2728.80	2.1	2751.95	2.0	2775.70	2.5	2810.10	1.6
2693.35	3.7	2711.35	2.4	2729.40	4.1	2752.60	3.1	2775.85	2.4	2810.15	1.6
2693.55	3.4	2711.60	1.5	2729.80	4.1	2753.40	1.8	2776.15	2.6	2810.55	1.8
2693.90	3.8	2712.05	3.6	2730.00	4.1	2753.60	2.0	2776.60	1.3	2811.20	1.6
2694.30	2.8	2712.35	3.1	2730.05	3.6	2754.00	1.5	2777.25	2.7	2811.65	1.8
2694.50	2.7	2713.00	4.5	2730.30	2.6	2754.50	1.9	2778.20	1.1	2812.10	1.6
2695.00	1.7	2713.35	3.1	2730.70	1.5	2755.00	1.5	2778.70	1.8	2812.70	2.0
2695.30	1.7	2713.75	3.0	2731.50	3.1	2755.75	7.4-01	2779.95	1.2	2813.30	1.4
2695.80	2.2	2714.30	9.5-01	2732.00	2.1	2756.95	1.8+00	2780.00	1.5	2814.10	2.6

WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX
2814.90	3.0+00	2837.55	5.6+00	2870.40	4.4+00	2895.05	3.5+00	2917.50	5.2+00	2939.15	3.2+00
2815.00	2.9	2838.15	3.0	2870.85	5.5	2895.70	6.5	2917.75	5.4	2940.00	8.9
2815.65	2.5	2838.65	4.8	2871.05	4.7	2896.35	4.8	2918.10	4.2	2940.50	5.2
2816.25	2.7	2839.15	3.6	2872.05	5.9	2897.40	5.6	2918.55	6.2	2940.90	6.7
2816.80	2.3	2839.70	4.2	2872.40	3.2	2897.80	4.6	2918.90	5.0	2941.30	3.7
2817.15	2.7	2840.00	3.4	2872.95	5.6	2898.00	5.0	2919.45	7.4	2941.65	5.5
2817.60	2.4	2840.55	2.5	2873.45	2.8	2899.05	5.9	2920.00	5.2	2942.00	5.3
2818.30	3.1	2841.20	3.4	2873.70	3.3	2899.35	4.6	2920.75	6.4	2942.55	8.5
2819.05	3.0	2841.65	4.5	2874.05	2.9	2900.00	6.9	2921.05	6.0	2943.35	8.1
2819.35	2.5	2842.10	3.8	2874.70	5.3	2900.40	6.3	2921.45	7.3	2943.90	6.1
2820.00	3.5	2842.40	4.1	2875.00	4.5	2900.60	7.5	2921.80	6.5	2944.35	4.1
2820.55	3.4	2843.45	1.8	2875.20	3.4	2901.65	4.3	2922.30	5.7	2944.90	7.4
2821.05	2.9	2844.70	4.1	2875.55	3.8	2902.05	5.5	2922.75	8.1	2945.00	7.1
2821.35	2.8	2845.55	2.0	2876.05	2.6	2902.35	5.4	2923.25	3.6	2945.20	5.9
2821.90	3.4	2846.05	2.9	2877.00	4.4	2902.75	6.0	2923.90	3.9	2946.30	1.0+01
2822.55	2.6	2846.60	2.0	2877.25	3.4	2903.50	8.0	2924.35	6.2	2947.65	2.1+00
2822.90	3.2	2847.30	2.3	2877.65	4.2	2904.10	4.8	2924.65	4.8	2948.60	5.3
2823.20	2.6	2848.05	1.4	2878.00	4.2	2904.70	7.7	2925.00	6.7	2949.15	3.1
2823.75	4.5	2848.75	1.6	2879.10	2.1	2904.85	7.2	2925.05	7.2	2950.00	7.0
2824.40	3.4	2849.75	9.7-01	2879.75	2.9	2905.35	5.3	2925.65	3.8	2950.30	4.2
2824.95	4.3	2850.15	1.1+00	2880.00	2.7	2905.95	6.5	2926.25	5.5	2950.55	7.7
2825.00	3.4	2852.05	3.9-01	2881.50	8.5-01	2906.55	4.4	2926.70	3.6	2950.65	7.5
2825.55	1.8	2855.00	1.7+00	2883.25	3.0+00	2907.00	7.4	2927.35	8.0	2950.85	7.5
2826.30	3.4	2855.35	1.7	2883.70	2.6	2907.45	5.3	2927.55	6.6	2950.95	7.0
2827.00	4.0	2857.45	2.7	2884.50	4.5	2907.60	5.7	2927.95	4.6	2951.05	6.6
2827.65	2.8	2858.65	2.4	2885.00	4.7	2907.90	5.3	2928.85	2.5	2951.20	7.2
2828.30	3.9	2859.15	3.8	2885.30	4.8	2908.45	5.9	2930.00	9.9	2951.30	6.4
2828.65	3.0	2860.00	4.1	2886.40	3.4	2908.85	4.8	2930.70	6.1	2951.45	6.7
2829.05	4.0	2860.25	4.3	2886.75	4.4	2909.35	6.5	2931.10	8.2	2951.60	6.0
2829.75	4.9	2861.05	3.0	2887.20	3.9	2909.95	4.8	2931.60	7.1	2951.75	6.3
2830.00	3.9	2861.65	5.0	2887.45	4.2	2910.00	4.9	2932.20	1.0+01	2951.80	8.2
2830.40	3.2	2862.50	2.7	2888.00	2.8	2910.35	6.1	2932.95	4.9+00	2951.90	8.4
2831.30	5.1	2863.05	4.4	2888.55	4.7	2911.00	4.6	2933.50	7.4	2952.15	8.1
2831.75	3.8	2863.75	3.2	2889.65	3.1	2911.45	6.7	2933.80	6.8	2952.25	5.8
2832.15	2.4	2864.50	5.0	2890.00	3.7	2912.10	3.5	2934.10	7.2	2952.50	6.3
2832.85	4.6	2865.00	2.8	2890.40	4.9	2912.75	8.6	2934.40	6.6	2952.55	8.0
2833.35	3.8	2865.10	2.4	2891.15	3.3	2913.05	8.0	2934.85	1.0+01	2952.65	8.1
2833.75	4.5	2866.10	5.5	2891.60	4.0	2913.60	5.9	2935.05	9.1+00	2952.75	8.2
2834.30	3.3	2866.65	2.8	2892.25	5.3	2913.95	6.2	2935.40	9.8	2952.90	7.7
2834.70	4.0	2867.15	3.6	2892.55	2.9	2914.20	4.9	2936.70	2.2	2953.00	8.0
2834.95	4.4	2867.50	2.8	2893.15	4.4	2914.75	6.4	2937.35	5.7	2953.10	7.8
2835.50	1.6	2868.25	3.7	2893.40	3.5	2915.00	5.9	2937.80	5.3	2953.25	8.2
2836.05	2.9	2869.15	2.2	2893.65	4.7	2915.35	3.8	2938.10	6.4	2953.90	2.9
2836.85	4.5	2869.60	3.6	2894.20	3.8	2915.65	5.5	2938.45	5.9	2954.45	6.8
2837.15	3.9	2870.00	4.0	2894.55	4.0	2916.65	6.8	2938.70	6.9	2954.60	5.5

WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX
2954.80	6.9+00	2962.50	7.4+00	2971.90	4.6+00	2979.90	5.3+00	2990.75	6.9+00	3000.51	1.9+00
2954.90	6.6	2962.60	7.0	2972.15	6.1	2980.00	5.9	2991.15	5.2	3000.56	2.6
2955.00	7.1	2962.90	8.8	2972.30	5.2	2980.35	6.0	2991.45	6.7	3000.62	2.2
2955.05	7.2	2963.00	8.4	2972.45	5.7	2980.65	4.4	2991.80	4.2	3000.68	3.0
2955.15	7.2	2963.15	9.0	2972.50	5.6	2980.75	4.7	2992.20	6.5	3000.95	1.2
2955.30	8.5	2963.20	9.1	2972.55	5.7	2980.85	4.5	2992.60	3.9	3001.00	1.2
2955.40	8.6	2963.30	8.9	2973.15	2.5	2980.90	4.6	2992.90	6.3	3001.15	2.1
2955.60	7.6	2963.45	6.6	2974.05	6.1	2981.00	4.4	2993.00	6.1	3001.21	2.0
2955.65	7.5	2963.55	5.7	2974.15	6.0	2981.20	5.0	2993.05	6.3	3001.34	4.1
2955.75	6.7	2963.90	8.5	2974.20	6.1	2981.70	2.7	2993.35	5.4	3001.40	4.8
2955.90	6.9	2964.10	6.0	2974.50	6.9	2981.85	3.2	2993.50	5.8	3001.44	4.9
2956.05	5.8	2964.30	8.0	2974.75	5.9	2981.95	3.1	2993.75	4.8	3001.58	6.8
2956.25	7.2	2964.55	5.1	2974.85	6.5	2982.25	4.4	2994.40	2.4	3001.70	4.8
2956.45	8.1	2964.70	5.6	2975.00	6.6	2982.75	5.3	2994.80	3.9	3001.74	5.5
2956.80	4.8	2964.85	4.8	2975.15	7.6	2982.90	5.0	2994.90	3.9	3001.80	4.9
2957.00	6.5	2965.00	3.6	2975.50	6.1	2982.95	5.1	2995.00	4.2	3001.88	6.0
2957.40	3.3	2965.15	2.8	2975.55	6.4	2983.60	2.3	2995.10	4.3	3001.92	6.0
2958.00	8.3	2965.55	5.4	2975.65	6.2	2984.00	3.5	2995.35	5.1	3001.98	5.4
2958.05	8.0	2965.75	4.3	2975.75	7.0	2984.10	3.3	2995.65	6.3	3002.00	5.7
2958.10	8.0	2965.90	4.6	2975.95	5.5	2984.45	4.5	2995.70	6.3	3002.02	5.9
2958.30	7.3	2966.15	3.8	2976.00	5.6	2984.85	2.7	2995.75	6.3	3002.07	5.6
2958.40	7.4	2966.30	4.2	2976.10	5.0	2985.00	3.4	2995.95	5.4	3002.11	5.9
2958.50	7.0	2966.80	2.3	2976.35	7.0	2985.25	4.7	2996.10	6.8	3002.16	5.5
2958.65	7.8	2967.40	4.6	2976.55	5.3	2985.55	3.2	2996.50	4.9	3002.21	4.5
2958.75	7.4	2967.50	4.3	2976.75	6.9	2985.80	3.9	2997.05	7.0	3002.26	4.3
2958.90	8.0	2967.80	6.4	2976.85	6.4	2986.00	3.7	2997.25	5.3	3002.37	2.4
2959.00	7.8	2968.00	5.9	2977.15	8.4	2986.30	5.1	2997.60	6.9	3002.43	2.0
2959.20	8.1	2968.10	6.2	2977.25	8.2	2986.60	4.0	2997.70	6.8	3002.49	1.3
2959.35	6.7	2968.40	4.2	2977.35	8.7	2986.95	6.3	2997.75	6.9	3002.57	1.3
2959.50	7.5	2968.55	5.2	2977.45	8.1	2987.35	3.2	2998.05	5.8	3002.63	1.6
2959.70	5.1	2968.80	6.4	2977.60	7.4	2987.50	3.6	2998.15	6.3	3002.70	1.5
2959.90	6.4	2969.00	5.9	2977.75	7.9	2987.65	3.1	2998.25	6.3	3002.86	4.2
2960.00	6.3	2969.35	3.1	2977.85	8.2	2987.95	4.3	2998.35	6.3	3002.92	4.1
2960.10	7.5	2969.70	4.9	2978.00	7.0	2988.10	4.2	2998.45	6.0	3003.00	2.6
2960.25	6.4	2970.00	3.1	2978.10	6.9	2988.40	6.3	2998.60	6.6	3003.06	1.8
2960.35	6.6	2970.10	3.4	2978.15	6.8	2988.80	4.4	2998.90	4.4	3003.25	6.6
2960.50	5.5	2970.25	3.3	2978.30	7.6	2988.90	4.7	2999.05	4.6	3003.29	6.3
2960.90	9.0	2970.35	3.3	2978.50	6.3	2989.00	4.6	2999.50	2.8	3003.33	6.5
2961.25	4.7	2970.40	3.3	2978.65	6.2	2989.15	5.2	3000.00	4.5	3003.50	2.8
2961.60	6.7	2970.50	3.2	2978.80	6.9	2989.25	4.6	3000.04	5.0	3003.54	2.6
2961.75	6.3	2970.85	5.7	2978.90	7.0	2989.60	6.0	3000.11	4.1	3003.65	1.4
2961.95	9.0	2970.95	5.6	2979.05	5.7	2989.75	4.9	3000.18	6.4	3003.67	1.4
2962.10	7.4	2971.00	5.8	2979.15	5.9	2990.00	6.9	3000.29	5.8	3003.83	4.2
2962.25	8.1	2971.15	5.4	2979.35	4.8	2990.15	7.1	3000.39	3.0	3003.90	3.3
2962.40	6.9	2971.50	7.2	2979.55	6.2	2990.35	5.1	3000.42	3.0	3003.95	4.7

WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX
3004.00	7.3+00	3007.00	6.5+00	3010.04	6.3+00	3013.00	3.8+00	3015.64	1.0+01	3018.40	6.8+00
3004.03	8.2	3007.03	6.1	3010.07	6.6	3013.02	3.8	3015.70	9.0+00	3018.50	2.7
3004.14	4.4	3007.17	1.5	3010.13	5.8	3013.06	2.5	3015.76	9.8	3018.56	5.2
3004.22	8.3	3007.22	1.9	3010.19	4.1	3013.15	4.9	3015.87	6.3	3018.59	5.5
3004.29	6.1	3007.30	1.4	3010.29	8.3	3013.19	9.2	3015.94	2.8	3018.61	5.5
3004.35	8.2	3007.42	4.7	3010.34	8.3	3013.22	9.4	3016.00	5.0	3018.64	5.8
3004.44	9.9	3007.46	5.1	3010.44	6.9	3013.35	6.7	3016.04	5.6	3018.67	5.9
3004.49	9.0	3007.50	5.0	3010.52	8.0	3013.42	7.6	3016.19	1.8	3018.73	4.9
3004.54	9.7	3007.54	5.8	3010.55	8.1	3013.50	6.2	3016.23	2.4	3018.83	1.7
3004.66	5.3	3007.58	5.9	3010.64	6.3	3013.53	5.2	3016.38	8.7	3018.89	2.1
3004.71	8.5	3007.62	5.8	3010.72	9.0	3013.56	5.7	3016.47	6.3	3018.97	9.9-01
3004.74	9.3	3007.68	4.3	3010.75	9.0	3013.62	3.2	3016.52	8.4	3019.00	9.6
3004.78	9.6	3007.72	4.7	3010.86	7.1	3013.66	4.0	3016.54	8.6	3019.01	9.6
3004.81	9.9	3007.78	4.2	3010.94	8.4	3013.73	2.0	3016.62	1.1+01	3019.09	1.6+00
3004.90	1.0+01	3007.85	4.3	3011.00	8.9	3013.84	7.3	3016.64	1.1	3019.14	1.3
3004.94	9.9+00	3007.98	2.0	3011.05	8.4	3013.91	8.6	3016.79	3.1+00	3019.19	2.0
3005.00	6.5	3008.00	2.0	3011.07	8.4	3013.96	8.0	3016.82	3.3	3019.22	2.9
3005.07	2.8	3008.13	9.1-01	3011.11	7.0	3014.00	8.4	3016.88	5.7	3019.25	3.0
3005.20	7.4	3008.17	9.1	3011.16	6.6	3014.02	8.6	3016.90	6.6	3019.31	2.4
3005.33	3.2	3008.30	2.0+00	3011.18	6.0	3014.14	2.8	3016.97	1.0+01	3019.42	5.7
3005.42	7.1	3008.42	3.3	3011.22	6.7	3014.20	3.7	3016.99	1.1	3019.48	5.9
3005.49	6.3	3008.47	2.8	3011.30	4.3	3014.26	8.0	3017.00	1.1	3019.50	5.8
3005.54	6.9	3008.56	5.1	3011.35	4.8	3014.34	6.0	3017.07	9.3+00	3019.56	5.5
3005.62	7.4	3008.63	3.4	3011.40	3.3	3014.41	8.6	3017.21	2.1	3019.60	5.2
3005.65	7.2	3008.76	6.3	3011.49	2.4	3014.47	7.8	3017.29	3.8	3019.66	5.1
3005.75	4.0	3008.82	6.0	3011.69	4.3	3014.54	8.8	3017.34	6.1	3019.71	4.6
3005.87	6.6	3008.90	7.7	3011.71	4.4	3014.59	8.4	3017.44	2.2	3019.79	3.7
3005.96	4.7	3008.93	7.1	3011.76	3.3	3014.70	4.2	3017.47	2.7	3019.86	2.7
3006.00	4.5	3008.98	7.5	3011.81	4.1	3014.72	3.8	3017.57	9.1-01	3019.90	2.3
3006.07	6.8	3009.00	6.7	3011.92	1.6	3014.80	1.4	3017.63	9.1	3019.96	1.7
3006.19	5.5	3009.11	2.4	3012.00	9.4-01	3014.86	1.8	3017.76	3.3+00	3019.98	1.7
3006.23	6.0	3009.18	3.5	3012.03	8.5	3014.90	1.7	3017.83	3.6	3020.00	1.9
3006.25	6.0	3009.22	3.3	3012.26	6.1+00	3014.94	2.0	3017.86	3.3	3020.02	2.0
3006.33	5.3	3009.29	5.6	3012.30	6.5	3015.00	6.1	3017.93	5.5	3020.10	2.6
3006.36	5.3	3009.39	3.3	3012.34	6.4	3015.03	8.8	3017.96	5.1	3020.38	1.5
3006.39	5.3	3009.41	3.3	3012.46	3.4	3015.07	9.3	3018.00	6.0	3020.44	1.3
3006.48	4.3	3009.59	1.1	3012.54	8.0	3015.11	8.9	3018.02	6.4	3020.48	8.8-01
3006.56	2.7	3009.73	3.1	3012.58	8.6	3015.20	3.6	3018.04	6.2	3020.53	7.8
3006.61	3.8	3009.83	6.1	3012.63	9.0	3015.30	9.6	3018.06	6.3	3020.58	8.5
3006.63	3.9	3009.87	6.5	3012.65	9.3	3015.32	9.7	3018.15	3.9	3020.68	8.3
3006.68	5.4	3009.93	6.7	3012.70	9.3	3015.35	9.5	3018.21	6.0	3020.88	1.4+00
3006.76	3.2	3009.95	6.7	3012.76	8.8	3015.40	8.7	3018.25	5.4	3020.97	1.4
3006.82	4.1	3009.98	7.1	3012.78	9.0	3015.42	8.8	3018.31	7.4	3021.00	1.1
3006.87	2.9	3010.00	6.9	3012.82	9.1	3015.51	5.4	3018.34	7.4	3021.09	7.5-01
3006.98	6.7	3010.01	6.7	3012.98	3.2	3015.59	1.0+01	3018.36	7.4	3021.20	1.4+00

WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX
3021.33	2.0+00	3024.05	1.7+00	3026.97	6.7+00	3029.03	5.4+00	3031.30	3.4+00	3034.25	9.7+00
3021.49	2.3	3024.11	2.6	3027.00	7.4	3029.06	5.7	3031.35	2.7	3034.32	1.0+01
3021.58	1.6	3024.17	5.2	3027.01	7.6	3029.10	5.6	3031.45	6.1	3034.34	1.0
3021.66	3.5	3024.22	5.9	3027.04	7.6	3029.13	5.8	3031.52	4.7	3034.44	3.2+00
3021.72	3.9	3024.26	5.6	3027.10	1.0+01	3029.19	2.7	3031.54	4.8	3034.50	2.7
3021.82	5.5	3024.30	5.7	3027.12	1.0	3029.23	3.2	3031.66	1.8	3034.52	2.7
3021.85	5.6	3024.37	3.3	3027.14	9.8+00	3029.27	2.7	3031.75	3.5	3034.66	8.5
3021.90	5.6	3024.42	6.7	3027.22	9.6	3029.37	6.8	3031.79	6.0	3034.71	9.0
3021.97	6.9	3024.46	8.9	3027.28	9.9	3029.40	7.3	3031.87	3.3	3034.74	8.5
3021.98	6.9	3024.50	9.7	3027.32	1.0+01	3029.44	9.4	3031.96	8.8	3034.76	8.5
3022.00	7.1	3024.54	9.7	3027.38	9.8+00	3029.48	9.5	3032.00	9.6	3034.79	8.2
3022.06	7.3	3024.56	9.9	3027.43	1.0+01	3029.52	9.7	3032.07	1.0+01	3034.87	9.6
3022.14	7.1	3024.59	9.6	3027.46	1.0	3029.56	9.3	3032.14	1.1	3034.93	8.8
3022.16	7.4	3024.65	9.4	3027.50	1.0	3029.58	9.6	3032.27	1.1	3034.98	7.4
3022.19	7.4	3024.70	8.6	3027.53	9.8+00	3029.62	9.7	3032.31	1.0	3035.00	8.4
3022.29	6.0	3024.74	9.2	3027.56	9.9	3029.65	9.5	3032.36	1.1	3035.04	1.1+01
3022.34	6.5	3024.82	6.0	3027.59	9.4	3029.75	4.2	3032.41	9.1+00	3035.06	1.1
3022.37	6.0	3024.90	9.2	3027.64	8.2	3029.83	9.0	3032.48	7.5	3035.12	1.1
3022.46	8.8	3024.98	6.6	3027.68	8.7	3029.90	9.9	3032.55	1.1+01	3035.16	1.1
3022.50	8.9	3025.00	6.4	3027.72	8.0	3030.00	6.0	3032.58	1.1	3035.22	8.1+00
3022.62	5.6	3025.02	6.0	3027.78	1.0+01	3030.02	5.4	3032.62	1.1	3035.28	9.9
3022.72	7.5	3025.08	8.1	3027.82	1.0	3030.06	7.0	3032.69	1.1	3035.36	7.2
3022.74	7.3	3025.14	8.5	3027.93	8.8+00	3030.14	2.8	3032.70	1.1	3035.42	9.8
3022.78	6.2	3025.16	8.5	3027.97	8.3	3030.20	2.0	3032.74	1.1	3035.46	1.0+01
3022.84	9.8	3025.22	8.3	3028.00	7.2	3030.24	2.6	3032.84	8.5+00	3035.51	1.1
3022.88	1.0+01	3025.31	3.4	3028.05	4.9	3030.28	3.0	3032.88	6.3	3035.54	1.1
3022.94	1.0	3025.38	6.3	3028.12	5.9	3030.33	6.6	3032.93	4.9	3035.59	1.1
3022.98	1.0	3025.42	6.6	3028.13	5.8	3030.42	1.0+01	3033.00	8.5	3035.63	1.0
3023.00	9.3+00	3025.51	5.5	3028.23	1.0+01	3030.46	9.4+00	3033.10	5.6	3035.74	4.3+00
3023.09	6.9	3025.67	1.3	3028.25	9.4+00	3030.52	9.3	3033.18	1.0+01	3035.85	9.4
3023.17	9.8	3025.73	1.9	3028.30	9.5	3030.55	8.2	3033.21	1.1	3035.88	9.1
3023.28	1.0+01	3025.78	1.8	3028.35	1.0+01	3030.57	8.2	3033.28	1.1	3035.90	9.4
3023.35	1.0	3025.82	1.0	3028.40	1.0	3030.62	6.3	3033.31	1.0	3035.94	1.1+01
3023.37	1.0	3025.86	8.9-01	3028.42	9.8+00	3030.70	9.7	3033.35	7.7+00	3035.97	1.1
3023.46	9.1+00	3025.88	8.9	3028.46	9.7	3030.72	9.3	3033.42	3.4	3036.00	1.1
3023.53	1.0+01	3026.00	2.4+00	3028.49	9.8	3030.76	9.4	3033.53	8.4	3036.02	1.1
3023.59	1.0	3026.16	5.6	3028.53	1.0+01	3030.79	8.8	3033.59	7.5	3036.10	8.4+00
3023.65	9.3+00	3026.30	5.8	3028.59	9.0+00	3030.85	9.2	3033.70	1.0+01	3036.14	9.0
3023.71	8.0	3026.41	2.3	3028.63	7.7	3030.90	8.2	3033.81	5.2+00	3036.19	9.4
3023.75	8.3	3026.48	1.4	3028.67	8.7	3030.94	5.7	3033.90	9.5	3036.24	8.8
3023.76	8.3	3026.59	3.9	3028.71	8.4	3031.00	5.9	3033.99	9.7	3036.31	1.0+01
3023.79	8.5	3026.65	3.9	3028.78	1.0+01	3031.02	6.3	3034.00	9.6	3036.40	7.7+00
3023.86	5.5	3026.76	8.6	3028.89	6.6+00	3031.07	5.2	3034.06	7.6	3036.46	9.6
3023.96	3.7	3026.84	6.7	3028.95	8.8	3031.13	6.7	3034.09	8.0	3036.52	9.0
3024.00	2.4	3026.91	8.3	3029.00	6.6	3031.22	2.3	3034.18	4.7	3036.55	1.0+01

WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX
3036.59	1.0+01	3039.68	6.9+00	3042.60	2.4+00	3045.16	9.4+00	3048.21	5.5+00	3050.66	3.0+00
3036.62	1.0	3039.75	5.0	3042.65	1.9	3045.20	1.2+01	3048.30	8.2	3050.78	1.4
3036.68	9.4+00	3039.84	9.9	3042.70	2.4	3045.26	1.2	3048.33	7.7	3050.81	9.9-01
3036.71	8.0	3039.87	1.0+01	3042.74	3.7	3045.35	1.1	3048.45	3.8	3051.00	4.5+00
3036.77	7.5	3039.95	1.0	3042.76	3.7	3045.40	1.1	3048.52	7.9	3051.03	4.9
3036.84	8.9	3039.98	9.8+00	3042.83	4.5	3045.48	1.0	3048.57	9.2	3051.09	7.6
3036.90	7.7	3040.00	1.0+01	3042.90	9.0	3045.52	9.0+00	3048.65	1.0+01	3051.17	8.8
3037.00	4.1	3040.08	1.1	3042.92	9.5	3045.59	5.5	3048.69	9.8+00	3051.21	9.2
3037.05	2.5	3040.12	1.1	3042.95	9.8	3045.67	1.0+01	3048.78	5.7	3051.27	9.3
3037.12	3.6	3040.22	9.0+00	3043.00	9.9	3045.76	6.4+00	3048.82	7.0	3051.30	9.6
3037.16	3.5	3040.28	6.5	3043.06	8.4	3045.89	1.1+01	3048.89	4.5	3051.34	9.1
3037.24	2.4	3040.34	3.3	3043.11	6.9	3045.92	1.1	3048.97	7.9	3051.42	7.2
3037.27	2.3	3040.39	2.1	3043.17	1.0+01	3045.96	1.1	3049.00	7.3	3051.48	9.7
3037.38	1.2	3040.45	2.1	3043.21	1.0	3046.00	9.8+00	3049.04	8.0	3051.51	1.0+01
3037.58	3.3	3040.56	5.4	3043.23	1.0	3046.05	8.7	3049.08	1.0+01	3051.54	1.0
3037.66	3.8	3040.59	5.7	3043.33	6.4+00	3046.11	1.2+01	3049.11	1.1	3051.57	1.1
3037.71	3.6	3040.66	9.7	3043.41	1.0+01	3046.16	1.2	3049.17	9.8+00	3051.70	1.1
3037.78	2.5	3040.76	4.7	3043.52	6.3+00	3046.19	1.2	3049.23	1.2+01	3051.75	9.9+00
3037.84	2.9	3040.79	4.3	3043.60	1.0+01	3046.23	1.1	3049.25	1.1	3051.78	9.5
3037.93	1.6	3040.84	2.9	3043.63	1.1	3046.27	1.0	3049.36	5.4+00	3051.86	1.1+01
3037.97	1.9	3040.88	3.4	3043.67	1.1	3046.30	1.1	3049.44	1.0+01	3051.91	1.1
3038.00	3.2	3040.92	3.1	3043.72	9.3+00	3046.34	1.2	3049.46	1.0	3051.98	1.1
3038.08	5.0	3041.00	6.6	3043.79	7.2	3046.38	1.2	3049.54	7.0+00	3052.00	1.1
3038.16	7.6	3041.02	7.1	3043.83	5.2	3046.42	1.1	3049.60	1.0+01	3052.05	1.1
3038.21	7.8	3041.08	1.0+01	3043.90	7.7	3046.46	1.1	3049.63	1.2	3052.15	8.9+00
3038.30	5.3	3041.11	1.0	3043.98	3.2	3046.53	9.2+00	3049.68	1.2	3052.19	9.1
3038.38	9.9	3041.21	9.2+00	3044.00	3.7	3046.57	9.7	3049.75	1.1	3052.23	8.4
3038.40	1.0+01	3041.27	1.0+01	3044.10	9.1	3046.68	3.6	3049.79	1.1	3052.28	9.0
3038.52	6.7+00	3041.42	6.1+00	3044.14	9.1	3046.77	7.8	3049.84	1.1	3052.37	1.2+01
3038.58	1.0+01	3041.45	7.0	3044.19	1.0+01	3046.82	6.6	3049.87	1.1	3052.40	1.1
3038.63	1.0	3041.48	7.2	3044.24	8.7+00	3046.86	8.0	3049.91	1.1	3052.50	7.1+00
3038.73	5.7+00	3041.51	7.3	3044.32	1.3+01	3046.94	3.9	3049.94	1.1	3052.57	9.7
3038.86	1.0+01	3041.64	1.8	3044.40	1.4	3047.00	4.8	3049.98	1.1	3052.59	9.6
3038.99	5.3+00	3041.69	1.9	3044.45	1.4	3047.05	3.8	3050.00	9.1+00	3052.67	1.2+01
3039.00	5.3	3041.74	1.7	3044.52	9.9+00	3047.13	6.8	3050.10	4.0	3052.80	9.5+00
3039.04	5.1	3041.85	4.3	3044.57	6.1	3047.22	4.8	3050.14	4.9	3052.87	1.1+01
3039.06	5.6	3041.90	3.8	3044.68	1.4+01	3047.27	5.0	3050.21	8.5	3052.93	9.8+00
3039.14	9.9	3041.93	3.8	3044.71	1.4	3047.41	2.8	3050.23	8.7	3052.98	1.0+01
3039.22	9.9	3042.00	2.2	3044.76	1.3	3047.62	9.4-01	3050.27	8.5	3053.00	9.1+00
3039.31	5.3	3042.17	8.0	3044.85	7.7+00	3047.78	2.1+00	3050.31	9.0	3053.06	4.8
3039.38	9.7	3042.24	6.2	3044.90	9.3	3047.94	5.0	3050.34	8.8	3053.19	1.1+01
3039.44	1.0+01	3042.32	9.2	3044.96	4.6	3048.00	5.6	3050.46	7.5	3053.25	9.8+00
3039.55	5.0+00	3042.36	9.2	3045.00	3.0	3048.05	6.3	3050.50	6.3	3053.29	9.6
3039.59	4.1	3042.48	4.0	3045.03	2.2	3048.09	6.4	3050.54	6.3	3053.40	2.9
3039.62	4.9	3042.52	5.0	3045.06	2.7	3048.14	7.2	3050.58	5.5	3053.52	9.4

WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX
3053.56	1.0+01	3056.33	6.7+00	3059.33	3.3+00	3061.82	3.0+00	3064.39	4.4+00	3067.25	7.2-01
3053.60	9.6+00	3056.40	1.4+01	3059.37	3.2	3061.89	8.8	3064.46	9.5	3067.39	2.9+00
3053.67	5.2	3056.44	1.4	3059.42	4.5	3061.93	9.5	3064.56	5.4	3067.49	5.7
3053.71	5.8	3056.48	1.3	3059.51	2.9	3061.98	8.5	3064.64	1.4	3067.55	6.2
3053.75	5.2	3056.52	1.2	3059.59	8.9	3062.00	9.5	3064.79	7.6	3067.66	3.7
3053.79	6.3	3056.58	7.1+00	3059.63	9.6	3062.03	1.0+01	3064.87	4.2	3067.73	6.3
3053.87	3.5	3056.66	1.0+01	3059.73	3.4	3062.13	3.6+00	3064.91	6.3	3067.78	4.4
3053.94	8.5	3056.75	2.9+00	3059.80	9.2	3062.17	4.5	3064.98	3.6	3067.85	8.5
3053.97	9.3	3056.80	4.4	3059.84	1.2+01	3062.24	2.0	3065.00	4.8	3067.94	3.4
3054.00	9.6	3056.90	1.1+01	3059.88	1.3	3062.28	3.1	3065.04	6.2	3068.00	9.0
3054.04	9.8	3056.98	9.7+00	3059.96	1.1	3062.35	9.8	3065.10	3.4	3068.06	1.0+01
3054.10	9.1	3057.00	8.3	3060.00	6.3+00	3062.43	1.1+01	3065.19	1.0+01	3068.10	9.6+00
3054.25	2.8	3057.03	7.5	3060.03	5.0	3062.51	9.2+00	3065.26	9.4+00	3068.19	2.5
3054.31	1.7	3057.07	7.4	3060.10	7.7	3062.59	1.2+01	3065.33	4.9	3068.25	4.5
3054.47	7.9	3057.14	3.8	3060.14	8.8	3062.65	1.1	3065.40	8.9	3068.27	4.3
3054.52	8.7	3057.16	3.5	3060.18	9.8	3062.69	8.4+00	3065.48	1.1+01	3068.37	1.1+01
3054.58	8.9	3057.20	3.8	3060.25	8.3	3062.75	9.9	3065.52	1.0	3068.48	5.4+00
3054.60	8.6	3057.43	5.8-01	3060.29	8.6	3062.83	4.8	3065.57	1.1	3068.55	8.7
3054.69	6.0	3057.47	4.4	3060.35	5.4	3062.87	3.9	3065.63	9.2+00	3068.61	4.0
3054.73	6.7	3057.51	1.3+00	3060.40	8.0	3062.98	1.1+01	3065.69	1.1+01	3068.67	5.6
3054.78	8.4	3057.57	1.4	3060.46	3.9	3063.00	1.1	3065.75	1.2	3068.72	3.4
3054.84	7.4	3057.65	7.2-01	3060.51	5.0	3063.07	9.2+00	3065.81	1.1	3068.80	6.3
3054.90	8.9	3057.76	2.4+00	3060.55	3.2	3063.09	9.1	3065.84	1.1	3068.89	1.1+01
3054.94	8.1	3057.79	2.4	3060.59	4.1	3063.15	4.5	3065.91	9.9+00	3068.94	9.6+00
3055.00	1.3+01	3057.84	4.1	3060.63	3.5	3063.19	4.1	3065.98	3.6	3069.00	1.3+01
3055.13	7.1+00	3057.91	5.3	3060.71	7.8	3063.24	3.3	3066.00	3.1	3069.03	1.3
3055.17	9.6	3057.96	3.8	3060.78	3.7	3063.34	9.8	3066.07	6.1	3069.09	1.2
3055.28	1.7	3057.98	4.1	3060.84	9.2	3063.37	1.0+01	3066.12	3.3	3069.17	5.7+00
3055.33	3.5	3058.00	3.8	3060.89	1.0+01	3063.44	7.5+00	3066.23	1.2	3069.26	1.1+01
3055.40	1.1+01	3058.07	2.0	3060.99	3.4+00	3063.51	3.1	3066.28	1.9	3069.33	5.1+00
3055.44	9.5+00	3058.11	3.0	3061.00	3.9	3063.53	3.5	3066.35	1.3	3069.39	6.5
3055.55	1.5+01	3058.17	8.5	3061.06	9.0	3063.58	3.6	3066.43	2.2	3069.44	3.8
3055.62	1.3	3058.24	1.1+01	3061.10	9.6	3063.65	8.6	3066.47	2.0	3069.53	1.1+01
3055.71	4.2+00	3058.27	1.1	3061.16	9.6	3063.75	2.8	3066.52	3.4	3069.57	1.2
3055.77	1.0+01	3058.36	4.9+00	3061.22	1.2+01	3063.81	5.9	3066.58	8.2	3069.67	5.5+00
3055.83	1.6	3058.42	7.9	3061.26	1.2	3063.85	6.0	3066.62	8.6	3069.76	1.2+01
3055.88	1.6	3058.50	3.9	3061.30	1.2	3063.87	6.8	3066.67	7.7	3069.80	1.4
3055.93	1.6	3058.56	7.0	3061.34	9.9+00	3063.95	2.6	3066.74	9.1	3069.85	1.1
3055.98	1.6	3058.58	7.3	3061.38	9.7	3064.00	3.6	3066.80	7.4	3069.92	5.9+00
3056.00	1.6	3058.64	6.0	3061.46	1.2+01	3064.03	3.4	3066.85	8.0	3069.99	1.1+01
3056.04	1.5	3058.71	4.2	3061.50	1.1	3064.09	6.5	3066.94	5.8	3070.00	9.0+00
3056.11	9.9+00	3058.76	5.3	3061.58	7.2+00	3064.13	7.6	3067.00	2.5	3070.03	6.9
3056.17	1.3+01	3058.92	2.2	3061.62	8.6	3064.20	3.3	3067.04	2.7	3070.11	9.6
3056.25	5.3+00	3059.00	1.4	3061.66	8.7	3064.24	2.2	3067.14	1.2	3070.17	9.1
3056.29	8.6	3059.10	4.7-01	3061.72	1.1+01	3064.35	5.2	3067.18	1.4	3070.27	2.8

WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX
3070.36	5.9+00	3073.19	6.1+00	3076.06	8.4+00	3078.64	8.9-01	3081.25	3.4+00	3084.11	1.0+01
3070.39	5.6	3073.23	5.0	3076.13	9.9	3078.69	1.3+00	3081.32	4.3	3084.15	1.1
3070.43	6.1	3073.31	9.9	3076.20	1.0+01	3078.78	6.1	3081.40	9.5	3084.18	1.1
3070.49	4.2	3073.35	1.0+01	3076.27	7.6+00	3078.87	7.2	3081.47	5.9	3084.23	1.2
3070.61	9.1	3073.43	1.1	3076.34	1.0+01	3078.90	7.0	3081.50	5.2	3084.28	1.1
3070.69	5.2	3073.48	1.1	3076.42	6.7+00	3078.96	1.1+01	3081.56	3.1	3084.34	1.2
3070.75	6.8	3073.53	8.8+00	3076.50	1.1+01	3079.00	1.2	3081.60	3.9	3084.40	1.1
3070.78	7.0	3073.60	1.0+01	3076.55	1.2	3079.06	1.2	3081.67	2.6	3084.45	8.9+00
3070.91	1.0+01	3073.63	1.0	3076.60	1.2	3079.10	1.2	3081.72	2.7	3084.53	1.2+01
3070.98	8.4+00	3073.68	6.7+00	3076.64	1.2	3079.14	1.2	3081.79	6.0	3084.57	1.2
3071.00	8.4	3073.76	9.9	3076.68	1.0	3079.18	1.2	3081.82	5.3	3084.67	1.4
3071.06	8.7	3073.83	6.3	3076.77	7.0+00	3079.34	7.3+00	3081.89	7.5	3084.74	1.3
3071.15	3.2	3073.90	8.6	3076.80	7.4	3079.38	7.3	3081.95	5.7	3084.83	1.1
3071.19	3.7	3074.00	2.9	3076.84	7.0	3079.46	1.2+01	3082.00	3.1	3084.88	7.3+00
3071.24	2.7	3074.03	3.4	3076.92	1.0+01	3079.55	8.4+00	3082.04	1.9	3084.95	1.1+01
3071.32	8.8	3074.07	3.5	3076.98	8.9+00	3079.61	4.2	3082.13	7.9-01	3085.00	9.1+00
3071.37	1.0+01	3074.14	2.7	3077.00	7.7	3079.68	1.0+01	3082.18	7.9	3085.02	8.3
3071.42	7.0+00	3074.28	8.6	3077.03	6.6	3079.72	1.2	3082.32	6.4+00	3085.06	1.1+01
3071.50	9.9	3074.38	3.7	3077.10	9.4	3079.78	1.2	3082.41	8.4	3085.10	1.1
3071.58	7.1	3074.44	3.7	3077.18	3.2	3079.82	1.0	3082.46	8.5	3085.19	4.1+00
3071.62	8.3	3074.52	9.8	3077.23	5.5	3079.86	1.0	3082.51	6.3	3085.25	7.4
3071.68	5.8	3074.56	1.1+01	3077.28	1.1+01	3079.94	3.4+00	3082.55	6.5	3085.31	5.6
3071.74	8.9	3074.63	9.6+00	3077.32	1.3	3079.98	2.7	3082.61	3.2	3085.36	6.3
3071.79	8.0	3074.70	7.0	3077.39	1.3	3080.00	3.6	3082.68	8.1	3085.38	6.3
3071.86	1.0+01	3074.75	9.8	3077.48	1.2	3080.06	6.7	3082.75	1.0+01	3085.42	1.0+01
3071.90	8.3+00	3074.80	1.0+01	3077.51	9.5+00	3080.10	4.2	3082.83	8.8+00	3085.48	1.2
3071.98	3.6	3074.87	9.7+00	3077.56	5.3	3080.18	9.5	3082.91	1.1+01	3085.52	1.2
3072.00	3.3	3074.91	8.6	3077.58	5.3	3080.23	7.7	3082.96	8.8+00	3085.56	1.2
3072.11	1.1	3074.96	8.5	3077.63	3.5	3080.30	1.1+01	3083.00	5.9	3085.60	9.2+00
3072.19	2.5	3075.00	7.6	3077.70	5.9	3080.36	7.5+00	3083.03	4.5	3085.64	6.1
3072.25	4.0	3075.04	5.9	3077.73	5.1	3080.40	8.3	3083.09	6.7	3085.70	6.9
3072.33	2.0	3075.08	5.0	3077.80	7.6	3080.46	1.2+01	3083.15	3.4	3085.78	1.2+01
3072.36	2.2	3075.13	2.5	3077.82	7.4	3080.50	1.2	3083.19	2.9	3085.83	1.2
3072.42	6.4	3075.24	1.0	3077.90	1.0+01	3080.52	1.2	3083.23	3.8	3085.87	1.2
3072.48	3.7	3075.31	2.0	3077.95	7.9+00	3080.59	8.4+00	3083.27	3.3	3085.95	1.2
3072.54	7.6	3075.35	2.3	3078.00	3.1	3080.62	9.0	3083.34	7.1	3086.00	1.1
3072.62	1.0+01	3075.39	3.3	3078.03	2.5	3080.75	1.8	3083.37	6.9	3086.04	1.1
3072.67	9.4+00	3075.50	4.0	3078.07	3.7	3080.83	7.2	3083.43	8.5	3086.11	9.3+00
3072.75	1.0+01	3075.57	2.8	3078.13	1.0+01	3080.86	7.5	3083.49	5.2	3086.14	9.8
3072.84	7.3+00	3075.72	8.8-01	3078.17	1.0	3080.93	9.7	3083.55	4.9	3086.21	6.9
3072.97	1.3	3075.86	2.8+00	3078.25	6.5+00	3080.99	5.9	3083.74	8.2-01	3086.29	1.1+01
3073.00	1.4	3075.89	2.6	3078.30	7.7	3081.00	6.2	3083.79	1.5+00	3086.38	4.7+00
3073.04	2.0	3075.95	4.6	3078.36	2.9	3081.06	1.0+01	3083.91	7.1	3086.44	6.6
3073.09	3.7	3075.98	4.4	3078.44	1.7	3081.10	1.2	3084.00	8.4	3086.50	3.4
3073.12	3.3	3076.00	4.6	3078.53	3.3	3081.13	1.1	3084.04	7.9	3086.58	7.0

WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX
3086.64	7.5+00	3089.39	2.9+00	3092.45	4.5+00	3095.26	3.7+00	3098.00	8.2+00	3100.93	3.3+00
3086.67	8.0	3089.46	5.6	3092.52	4.6	3095.30	4.2	3098.06	5.0	3100.99	3.6
3086.77	2.6	3089.50	4.1	3092.71	6.9-01	3095.33	3.9	3098.12	4.9	3101.00	4.1
3086.82	6.3	3089.54	5.1	3092.80	1.1+00	3095.44	1.3+01	3098.18	3.5	3101.08	1.1+01
3086.90	9.7	3089.61	2.3	3092.84	9.0-01	3095.48	1.4	3098.25	1.1+01	3101.12	1.1
3086.98	6.5	3089.67	5.0	3092.90	1.7+00	3095.55	1.2	3098.30	1.4	3101.17	9.3+00
3087.00	6.0	3089.74	2.0	3093.00	5.7-01	3095.62	1.4	3098.35	1.4	3101.22	4.5
3087.05	4.1	3089.80	2.9	3093.06	8.1	3095.65	1.5	3098.45	1.0	3101.30	7.8
3087.19	1.1+01	3089.85	2.5	3093.10	6.8	3095.72	1.1	3098.50	1.1	3101.48	1.6
3087.21	1.1	3089.93	7.6	3093.14	1.3+00	3095.81	1.2	3098.53	7.2+00	3101.56	1.1
3087.26	1.1	3089.98	1.0+01	3093.26	5.7	3095.87	9.4+00	3098.57	4.3	3101.62	1.6
3087.34	3.4+00	3090.00	1.2	3093.30	4.1	3095.94	1.2+01	3098.67	1.1+01	3101.71	3.9
3087.39	5.4	3090.02	1.5	3093.34	3.4	3096.00	6.6+00	3098.72	8.9+00	3101.75	3.9
3087.43	4.7	3090.08	1.3	3093.42	7.5	3096.04	4.0	3098.76	1.0+01	3101.84	1.5
3087.59	1.0+01	3090.21	4.4+00	3093.50	5.4	3096.08	3.8	3098.80	7.6+00	3101.90	1.4
3087.68	6.8+00	3090.30	8.2	3093.58	8.0	3096.11	3.3	3098.87	1.2+01	3102.00	6.9
3087.73	7.6	3090.37	4.7	3093.62	7.4	3096.15	3.8	3098.89	1.2	3102.05	8.1
3087.80	4.3	3090.43	8.1	3093.66	9.1	3096.23	9.1	3098.96	7.1+00	3102.15	3.6
3087.89	3.5	3090.46	7.2	3093.73	6.2	3096.32	3.9	3099.00	9.2	3102.20	6.3
3087.97	1.2	3090.56	1.3+01	3093.76	6.2	3096.38	4.5	3099.02	9.7	3102.28	1.2
3088.00	7.7-01	3090.66	1.2	3093.82	2.6	3096.42	4.5	3099.11	2.7	3102.32	1.2
3088.04	7.1	3090.71	9.6+00	3093.86	3.0	3096.48	7.7	3099.18	7.6	3102.36	3.2
3088.10	1.5+00	3090.77	1.0+01	3093.88	3.0	3096.63	3.6	3099.22	6.8	3102.48	1.3+01
3088.13	2.8	3090.86	5.9+00	3094.00	1.0+01	3096.66	3.9	3099.28	1.1+01	3102.52	1.2
3088.17	3.0	3090.90	6.3	3094.04	1.1	3096.70	3.9	3099.32	1.1	3102.56	1.2
3088.20	4.5	3091.00	2.6	3094.13	8.3+00	3096.88	7.9-01	3099.42	4.2+00	3102.64	6.2+00
3088.24	4.8	3091.04	1.2	3094.20	3.8	3096.93	8.4	3099.48	8.6	3102.70	1.2+01
3088.29	6.1	3091.08	1.2	3094.24	4.8	3097.00	2.5+00	3099.54	5.3	3102.77	8.7+00
3088.35	4.0	3091.14	2.9	3094.29	3.8	3097.06	2.8	3099.58	4.7	3102.81	9.6
3088.41	8.5	3091.19	3.1	3094.36	7.5	3097.13	1.2	3099.64	6.5	3102.86	4.7
3088.46	9.7	3091.28	6.7	3094.42	1.1+01	3097.20	2.2	3099.67	6.4	3102.93	8.8
3088.51	9.8	3091.35	3.7	3094.46	1.1	3097.27	6.9	3099.70	7.0	3102.96	7.1
3088.56	8.8	3091.44	6.3	3094.53	1.4	3097.31	7.5	3099.88	9.2-01	3103.00	1.1+01
3088.62	6.5	3091.56	1.3	3094.61	5.5+00	3097.35	7.1	3100.00	1.1+00	3103.05	1.4
3088.66	7.1	3091.75	8.6	3094.69	1.3+01	3097.37	7.4	3100.08	2.9	3103.13	1.6
3088.75	3.5	3091.81	9.1	3094.71	1.5	3097.43	6.2	3100.20	3.0	3103.18	1.6
3088.80	6.4	3091.86	7.4	3094.75	1.6	3097.47	6.6	3100.29	1.2	3103.27	7.3+00
3088.87	8.8	3091.94	1.2+01	3094.80	1.4	3097.49	6.6	3100.33	1.2	3103.33	6.7
3088.92	8.7	3092.00	1.2	3094.84	6.6+00	3097.55	9.9	3100.45	4.8	3103.41	1.2+01
3089.00	5.9	3092.02	1.1	3094.88	4.8	3097.61	7.7	3100.54	4.0	3103.46	9.7+00
3089.08	9.0	3092.09	8.7+00	3094.95	1.2+01	3097.67	9.7	3100.63	1.2	3103.54	1.6+01
3089.11	8.8	3092.17	1.2+01	3095.00	1.4	3097.78	3.8	3100.69	1.2	3103.58	1.6
3089.17	1.0+01	3092.28	1.1	3095.06	9.2+00	3097.91	1.1+01	3100.79	3.6	3103.63	1.6
3089.24	1.1	3092.31	9.9+00	3095.13	1.3+01	3097.96	8.9+00	3100.83	2.6	3103.66	1.4
3089.30	9.7+00	3092.40	3.4	3095.20	6.6+00	3097.99	8.8	3100.89	4.7	3103.79	2.8+00

WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX
3103.91	1.2+01	3106.70	1.1+01	3109.50	7.6+00	3112.24	4.3+00	3115.05	6.6+00	3117.68	2.1+00
3103.95	9.2+00	3106.75	9.7+00	3109.55	8.2	3112.31	1.3+01	3115.18	1.5+01	3117.73	4.5
3104.00	1.2+01	3106.79	7.4	3109.60	5.9	3112.33	1.3	3115.22	1.4	3117.77	3.5
3104.06	1.4	3106.83	7.0	3109.66	9.9	3112.36	1.4	3115.30	8.3+00	3117.83	8.0
3104.14	8.4+00	3106.88	4.3	3109.72	1.2+01	3112.39	1.3	3115.33	9.7	3117.89	3.9
3104.22	1.4+01	3106.98	1.0+01	3109.79	1.1	3112.48	8.9+00	3115.36	9.6	3117.96	1.2+01
3104.25	1.4	3107.00	1.0	3109.85	1.0	3112.57	1.3+01	3115.42	1.2+01	3118.00	1.3
3104.28	1.3	3107.07	8.0+00	3109.91	6.5+00	3112.61	1.3	3115.47	9.5+00	3118.02	1.3
3104.33	1.0	3107.15	1.1+01	3109.97	8.5	3112.69	1.1	3115.52	1.1+01	3118.07	1.2
3104.41	1.5	3107.18	1.1	3110.00	8.2	3112.76	1.3	3115.58	9.4+00	3118.14	5.7+00
3104.46	1.4	3107.31	5.7+00	3110.10	3.8	3112.79	1.4	3115.60	9.5	3118.21	8.9
3104.55	5.0+00	3107.38	8.0	3110.15	6.7	3112.86	1.3	3115.66	7.0	3118.26	6.7
3104.65	1.3+01	3107.46	5.3	3110.23	1.6	3112.90	1.2	3115.70	1.2+01	3118.30	8.4
3104.70	1.2	3107.49	5.4	3110.28	2.3	3112.94	8.9+00	3115.76	1.4	3118.39	2.0
3104.76	1.3	3107.54	4.2	3110.36	1.1+01	3113.00	1.2+01	3115.81	1.4	3118.50	9.8
3104.79	1.3	3107.64	9.8	3110.41	1.2	3113.02	1.2	3115.86	9.9+00	3118.57	5.6
3104.83	1.3	3107.71	5.0	3110.46	1.2	3113.08	9.7+00	3115.94	1.4+01	3118.59	5.0
3104.89	1.1	3107.78	9.3	3110.54	7.8+00	3113.18	1.3+01	3115.98	1.5	3118.66	1.9
3104.96	1.5	3107.81	9.9	3110.58	8.5	3113.24	1.3	3116.00	1.5	3118.74	6.8
3105.00	1.0	3107.86	7.9	3110.70	9.7-01	3113.30	1.1	3116.06	1.4	3118.78	8.7
3105.07	2.5+00	3107.90	8.5	3110.73	9.7	3113.38	2.7+00	3116.10	1.3	3118.83	6.0
3105.12	4.5	3107.97	4.4	3110.80	4.0+00	3113.47	5.1	3116.13	1.2	3118.89	1.1+01
3105.15	4.6	3108.00	6.5	3110.85	1.7	3113.51	7.5	3116.15	1.2	3118.92	1.2
3105.22	9.5	3108.07	1.1+01	3110.93	3.5	3113.59	3.1	3116.26	4.5+00	3118.94	1.3
3105.27	1.1+01	3108.15	1.2	3111.00	9.8	3113.64	6.5	3116.34	1.0+01	3118.98	1.4
3105.35	9.5+00	3108.25	9.3+00	3111.04	1.2+01	3113.67	6.9	3116.40	5.8+00	3119.00	1.4
3105.46	1.7	3108.35	1.2+01	3111.09	1.2	3113.75	1.2+01	3116.44	7.9	3119.05	1.1
3105.52	3.7	3108.39	1.2	3111.13	1.2	3113.84	8.1+00	3116.52	2.1	3119.12	1.3
3105.55	3.6	3108.43	1.2	3111.18	9.8+00	3113.92	1.1+01	3116.56	2.2	3119.20	5.5+00
3105.60	6.2	3108.50	1.0	3111.25	1.1+01	3113.95	1.1	3116.63	1.2	3119.30	1.0+01
3105.66	3.7	3108.56	7.4+00	3111.29	1.0	3114.00	9.9+00	3116.70	3.8	3119.36	6.9+00
3105.75	1.0+01	3108.59	7.9	3111.41	1.3	3114.08	3.0	3116.75	5.2	3119.40	6.5
3105.81	1.1	3108.66	5.5	3111.44	1.3	3114.13	1.4	3116.82	1.2+01	3119.43	4.4
3105.86	1.1	3108.75	1.1+01	3111.52	1.4	3114.24	7.2	3116.84	1.2	3119.52	1.7
3106.00	4.1+00	3108.78	1.1	3111.58	1.4	3114.32	2.3	3116.93	4.4+00	3119.55	2.6
3106.02	3.6	3108.81	1.0	3111.62	1.2	3114.37	3.2	3116.98	3.5	3119.63	3.1
3106.11	8.8	3108.88	5.5+00	3111.70	4.7+00	3114.43	9.4	3117.00	3.9	3119.69	1.9
3106.22	2.5	3108.94	5.1	3111.75	7.3	3114.48	1.1+01	3117.13	1.3+01	3119.76	3.0
3106.33	1.0+01	3109.00	8.4	3111.82	2.9	3114.55	1.2	3117.21	3.9+00	3119.79	2.7
3106.38	1.1	3109.06	5.6	3111.90	9.5	3114.61	7.9+00	3117.36	1.3+01	3119.88	1.1+01
3106.41	1.1	3109.18	1.2+01	3111.97	6.7	3114.72	5.5	3117.44	8.6+00	3119.92	1.3
3106.45	9.8+00	3109.21	1.1	3112.00	7.8	3114.78	3.6	3117.52	1.4+01	3120.00	9.7+00
3106.54	3.1	3109.32	3.1+00	3112.09	1.6	3114.86	1.1+01	3117.55	1.4	3120.02	9.3
3106.62	9.4	3109.40	9.8	3112.16	4.1	3114.92	1.2	3117.59	1.3	3120.07	1.2+01
3106.65	1.0+01	3109.44	1.0+01	3112.20	3.1	3115.00	9.1+00	3117.64	3.4+00	3120.10	1.3

WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX
3120.17	1.1+01	3122.83	1.3+01	3125.42	6.2+00	3127.97	8.3+00	3130.70	9.0+00	3133.26	5.4+00
3120.25	3.5+00	3122.90	6.4+00	3125.48	4.6	3128.00	7.9	3130.79	2.2	3133.33	2.7
3120.29	4.0	3122.94	8.1	3125.53	5.5	3128.07	5.2	3130.83	3.6	3133.42	1.1+01
3120.38	9.6-01	3122.95	8.4	3125.67	8.7-01	3128.17	8.1	3130.88	1.2+01	3133.48	6.8+00
3120.46	2.0+00	3123.00	1.1+01	3125.72	1.7+00	3128.28	2.3	3130.92	1.2	3133.53	1.2+01
3120.51	7.9	3123.02	1.1	3125.78	5.9	3128.34	3.6	3130.95	1.2	3133.56	1.4
3120.55	8.6	3123.08	7.3+00	3125.84	6.8	3128.37	3.3	3131.00	8.6+00	3133.64	1.4
3120.59	7.8	3123.17	1.3+01	3125.94	3.6	3128.44	5.2	3131.05	5.9	3133.68	1.4
3120.68	9.2	3123.21	1.2	3126.00	6.5	3128.50	3.9	3131.15	1.2+01	3133.76	1.3
3120.74	5.5	3123.27	8.1+00	3126.06	7.0	3128.55	5.3	3131.21	9.3+00	3133.86	9.9+00
3120.81	8.9	3123.29	8.1	3126.12	5.5	3128.58	5.6	3131.30	1.3+01	3133.95	4.3
3120.88	3.7	3123.35	5.0	3126.17	1.5	3128.70	1.4	3131.35	9.0+00	3134.00	3.0
3120.95	1.0+01	3123.40	9.4	3126.21	9.4-01	3128.76	3.7	3131.39	8.6	3134.07	1.3
3120.98	1.1	3123.44	8.6	3126.27	1.8+00	3128.83	6.2	3131.43	7.2	3134.11	1.2
3121.00	1.1	3123.49	1.0+01	3126.29	2.8	3128.90	3.1	3131.47	7.6	3134.15	1.4
3121.12	2.0+00	3123.56	5.3+00	3126.31	4.6	3128.96	6.3	3131.51	7.6	3134.24	4.1
3121.14	1.6	3123.61	1.0+01	3126.33	4.7	3129.00	5.2	3131.60	1.3+01	3134.32	2.6
3121.18	2.3	3123.65	1.2	3126.41	7.0	3129.03	5.2	3131.65	1.2	3134.40	4.3
3121.27	1.1+01	3123.77	8.5+00	3126.49	4.5	3129.10	2.4	3131.70	7.4+00	3134.48	1.0+01
3121.31	1.4	3123.82	1.0+01	3126.54	5.8	3129.13	3.4	3131.76	1.2+01	3134.52	9.4+00
3121.42	4.0+00	3123.87	1.1	3126.63	2.6	3129.17	3.6	3131.79	1.2	3134.56	8.8
3121.46	7.5	3123.95	4.1+00	3126.70	4.3	3129.24	6.4	3131.83	1.2	3134.61	8.0
3121.50	9.0	3124.00	8.4	3126.76	2.3	3129.33	1.6	3131.87	1.2	3134.68	1.1+01
3121.56	3.5	3124.05	1.1+01	3126.80	3.1	3129.40	6.7	3132.00	3.2+00	3134.70	1.0
3121.59	2.3	3124.09	7.9+00	3126.83	3.1	3129.44	7.7	3132.05	1.7	3134.82	1.5
3121.71	1.0+01	3124.17	1.3+01	3126.94	7.5	3129.53	6.0	3132.10	2.9	3134.94	4.9+00
3121.78	3.3+00	3124.23	1.3	3126.98	7.7	3129.63	8.6	3132.14	5.6	3135.00	1.0+01
3121.84	6.0	3124.29	1.3	3127.00	6.8	3129.66	8.6	3132.20	4.7	3135.02	9.9+00
3121.87	6.1	3124.39	1.4	3127.06	5.3	3129.70	8.2	3132.24	6.2	3135.05	1.0+01
3121.93	8.2	3124.44	1.4	3127.12	6.6	3129.77	3.8	3132.27	6.7	3135.13	1.2
3121.97	7.4	3124.48	1.1	3127.13	6.7	3129.84	7.8	3132.37	1.3+01	3135.17	1.1
3122.00	9.1	3124.54	1.3	3127.18	7.4	3129.87	8.1	3132.40	1.3	3135.24	1.2
3122.02	9.3	3124.64	1.0	3127.25	5.0	3129.94	6.8	3132.44	1.1	3135.28	1.0
3122.07	5.4	3124.71	1.1	3127.31	5.7	3130.00	1.1+01	3132.52	3.5+00	3135.36	3.0+00
3122.15	1.1+01	3124.76	1.0	3127.35	4.9	3130.04	1.4	3132.56	5.3	3135.40	5.3
3122.21	3.7+00	3124.80	5.8+00	3127.40	6.0	3130.07	1.3	3132.62	4.7	3135.44	4.2
3122.25	3.3	3124.84	5.3	3127.43	6.1	3130.14	7.3+00	3132.69	1.2+01	3135.52	1.0+01
3122.30	2.2	3124.90	1.8	3127.48	4.9	3130.18	7.1	3132.73	1.3	3135.58	5.2+00
3122.43	7.6	3124.96	1.0	3127.54	6.5	3130.27	1.9	3132.81	9.9+00	3135.63	7.5
3122.56	2.3	3125.00	8.1-01	3127.57	6.5	3130.35	5.0	3132.93	1.6+01	3135.69	3.3
3122.60	3.1	3125.07	1.5+00	3127.61	3.2	3130.41	3.5	3132.98	1.5	3135.79	9.0
3122.63	6.4	3125.16	4.6	3127.67	2.2	3130.49	7.4	3133.00	1.1	3135.84	5.6
3122.67	8.2	3125.28	8.5-01	3127.76	7.0	3130.57	3.4	3133.06	5.9+00	3135.91	9.9
3122.72	1.3+01	3125.34	1.9+00	3127.83	3.6	3130.61	5.5	3133.13	1.0+01	3135.95	1.1+01
3122.76	1.4	3125.38	5.6	3127.92	7.9	3130.64	6.0	3133.22	3.9+00	3136.00	8.0+00

WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX
3136.01	7.8+00	3138.61	9.3+00	3141.25	1.2+01	3144.00	1.4+00	3146.80	1.1+01	3149.59	1.4+01
3136.06	9.2	3138.67	5.4	3141.31	1.1	3144.06	2.3	3146.84	1.2	3149.62	1.3
3136.09	8.9	3138.73	8.2	3141.37	1.5	3144.12	2.0	3146.94	6.1+00	3149.73	6.4+00
3136.12	9.0	3138.76	8.1	3141.40	1.6	3144.18	2.1	3147.00	9.4	3149.77	8.6
3136.17	7.7	3138.80	8.6	3141.44	1.4	3144.24	1.8	3147.06	3.6	3149.84	3.5
3136.28	1.0+01	3138.86	1.1+01	3141.52	7.7+00	3144.30	2.8	3147.14	8.0	3149.91	5.1
3136.34	7.9+00	3138.91	8.6+00	3141.59	1.4+01	3144.34	2.9	3147.23	1.9	3149.98	1.2+01
3136.41	1.0+01	3138.98	1.3+01	3141.62	1.4	3144.38	4.3	3147.29	3.8	3150.00	9.8+00
3136.50	2.5+00	3139.00	1.3	3141.68	1.2	3144.42	2.6	3147.36	1.0+01	3150.06	5.1
3136.54	3.0	3139.02	1.3	3141.73	1.6	3144.50	1.7	3147.45	4.3+00	3150.08	4.5
3136.59	2.3	3139.05	1.3	3141.76	1.6	3144.58	3.2	3147.52	8.4	3150.10	5.1
3136.62	2.4	3139.17	4.8+00	3141.83	1.4	3144.64	2.6	3147.60	4.3	3150.16	8.3
3136.68	1.4	3139.25	1.1+01	3141.91	5.7+00	3144.68	2.9	3147.70	1.1+01	3150.24	3.6
3136.72	3.0	3139.30	9.7+00	3142.00	1.3+01	3144.72	2.4	3147.78	4.6+00	3150.28	3.8
3136.80	8.9	3139.37	1.3+01	3142.10	1.5	3144.80	7.2	3147.86	1.2+01	3150.31	3.2
3136.88	3.6	3139.40	1.3	3142.15	1.1	3144.82	7.2	3147.90	1.3	3150.39	8.0
3136.96	8.1	3139.44	1.2	3142.22	7.3+00	3144.86	9.1	3147.94	1.3	3150.43	6.9
3137.00	6.6	3139.49	1.1	3142.30	1.3+01	3144.92	5.9	3148.00	4.8+00	3150.49	9.4
3137.06	9.2	3139.55	1.3	3142.34	1.4	3144.98	9.1	3148.12	7.2	3150.51	9.5
3137.09	9.8	3139.61	9.9+00	3142.37	1.3	3145.00	7.8	3148.17	5.3	3150.59	1.2+01
3137.18	1.3+01	3139.66	3.8	3142.44	3.8+00	3145.06	2.6	3148.25	1.3+01	3150.67	9.4+00
3137.23	1.1	3139.70	4.5	3142.47	2.9	3145.10	2.2	3148.31	8.4+00	3150.75	4.6
3137.32	3.4+00	3139.75	3.3	3142.60	1.4+01	3145.16	3.9	3148.35	9.1	3150.85	1.2+01
3137.38	8.5	3139.84	6.5	3142.63	1.5	3145.24	1.2+01	3148.43	3.4	3150.89	1.2
3137.40	9.7	3139.94	1.9	3142.74	1.0	3145.36	2.6+00	3148.46	4.3	3150.93	1.1
3137.44	9.9	3140.00	6.8	3142.82	1.3	3145.40	2.8	3148.54	1.4+01	3151.00	4.8+00
3137.48	1.1+01	3140.10	1.5+01	3142.91	2.9+00	3145.47	6.7	3148.59	1.5	3151.07	9.7
3137.54	8.9+00	3140.14	1.5	3142.98	5.3	3145.52	5.0	3148.64	1.4	3151.13	9.8
3137.62	1.2+01	3140.21	8.2+00	3143.00	4.9	3145.61	1.0+01	3148.68	1.3	3151.23	3.9
3137.75	5.4+00	3140.29	1.2+01	3143.02	4.7	3145.65	9.1+00	3148.71	1.3	3151.29	3.3
3137.82	8.3	3140.39	4.3+00	3143.11	1.2+01	3145.72	2.2	3148.78	8.0+00	3151.34	2.4
3137.88	6.7	3140.47	1.2+01	3143.17	8.6+00	3145.80	5.3	3148.82	7.1	3151.42	7.8
3137.94	9.5	3140.50	1.2	3143.19	8.5	3145.88	1.1+01	3148.86	7.2	3151.48	1.2+01
3138.00	8.4	3140.58	1.5	3143.25	4.5	3145.98	4.7+00	3148.90	6.1	3151.52	1.3
3138.05	9.2	3140.62	1.5	3143.31	1.1+01	3146.00	5.9	3148.98	1.4+01	3151.58	1.3
3138.08	9.4	3140.66	1.3	3143.35	1.0	3146.07	1.2+01	3149.00	1.4	3151.65	1.2
3138.16	1.3+01	3140.75	4.0+00	3143.37	1.0	3146.13	1.1	3149.02	1.5	3151.72	1.3
3138.20	1.2	3140.87	1.4+01	3143.45	2.7+00	3146.16	1.1	3149.06	1.5	3151.85	4.0+00
3138.26	1.3	3140.90	1.5	3143.50	1.7	3146.26	5.4+00	3149.14	1.4	3151.92	9.6
3138.32	1.2	3140.95	1.5	3143.59	1.7	3146.39	1.3+01	3149.19	1.5	3152.00	3.7
3138.34	1.2	3141.00	1.4	3143.65	1.9	3146.47	6.7+00	3149.25	1.3	3152.06	6.2
3138.40	9.4+00	3141.04	1.3	3143.76	8.3-01	3146.51	7.8	3149.32	5.2+00	3152.12	4.6
3138.43	9.5	3141.09	9.1+00	3143.85	2.4+00	3146.59	3.9	3149.38	1.0+01	3152.16	5.4
3138.51	4.4	3141.14	8.6	3143.91	1.8	3146.69	9.6	3149.45	1.2	3152.24	1.7
3138.56	8.5	3141.17	7.9	3143.94	1.9	3146.75	8.3	3149.49	9.8+00	3152.28	3.5

WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX
3152.35	1.1+01	3155.22	1.2+01	3157.90	2.0+00	3160.80	3.2+00	3163.51	1.7+01	3165.91	4.2+00
3152.39	1.2	3155.30	5.3+00	3157.95	3.1	3160.82	3.3	3163.54	1.8	3165.95	3.9
3152.45	8.7+00	3155.37	1.3+01	3158.00	2.3	3160.88	5.7	3163.58	1.8	3166.00	1.0+01
3152.51	1.2+01	3155.40	1.1	3158.07	5.6	3160.91	4.7	3163.62	1.7	3166.05	1.3
3152.57	1.3	3155.49	1.6	3158.13	1.2+01	3160.98	9.2	3163.70	1.4	3166.13	6.6+00
3152.65	1.2	3155.54	1.4	3158.21	9.6+00	3161.00	7.8	3163.76	6.6+00	3166.18	9.5
3152.71	6.3+00	3155.63	3.3+00	3158.27	1.1+01	3161.03	6.5	3163.80	7.5	3166.29	6.0
3152.83	1.3+01	3155.67	2.4	3158.32	7.6+00	3161.09	1.1+01	3163.87	3.8	3166.38	5.2
3152.96	6.4+00	3155.71	3.8	3158.35	4.5	3161.17	3.1+00	3163.91	5.7	3166.43	3.5
3153.00	8.0	3155.76	9.7	3158.41	3.1	3161.21	2.0	3163.98	1.2+01	3166.52	1.1+01
3153.05	6.4	3155.81	7.0	3158.48	5.1	3161.29	6.9	3164.00	1.2	3166.59	5.1+00
3153.10	7.9	3155.86	9.8	3158.52	4.2	3161.38	2.5	3164.06	6.6+00	3166.61	4.9
3153.19	2.3	3155.91	6.9	3158.59	6.3	3161.44	5.6	3164.12	1.0+01	3166.67	3.1
3153.26	5.7	3156.00	1.4+01	3158.65	4.4	3161.50	1.3+01	3164.14	9.3+00	3166.72	6.1
3153.30	3.7	3156.03	1.7	3158.69	4.9	3161.57	7.9+00	3164.20	1.2+01	3166.75	6.0
3153.40	1.2+01	3156.09	1.7	3158.79	1.4	3161.62	1.1+01	3164.29	4.8+00	3166.83	1.3+01
3153.49	1.4	3156.16	1.4	3158.89	1.1	3161.65	8.4+00	3164.36	1.0+01	3166.87	1.2
3153.56	1.2	3156.28	3.5+00	3159.00	3.3	3161.70	6.7	3164.41	8.5+00	3166.90	1.3
3153.62	1.2	3156.35	8.5	3159.03	3.2	3161.78	1.7	3164.47	1.1+01	3166.97	1.0
3153.65	1.2	3156.40	1.0+01	3159.09	4.2	3161.86	4.8	3164.54	7.6+00	3167.00	1.2
3153.75	5.2+00	3156.47	6.5+00	3159.11	4.0	3161.90	2.9	3164.61	1.1+01	3167.06	1.6
3153.84	1.3+01	3156.53	1.0+01	3159.20	8.8	3161.94	2.1	3164.67	6.4+00	3167.09	1.5
3153.86	1.3	3156.56	9.8+00	3159.26	4.8	3162.00	4.8	3164.74	1.2+01	3167.16	8.0+00
3153.91	1.3	3156.65	1.5+01	3159.36	4.2	3162.09	1.6+01	3164.82	5.4+00	3167.23	1.6+01
3153.95	1.2	3156.75	8.7+00	3159.41	5.9	3162.13	1.6	3164.88	9.6	3167.28	1.7
3154.00	9.2+00	3156.78	8.8	3159.47	6.2	3162.20	1.6	3164.93	1.0+01	3167.32	1.7
3154.06	1.0+01	3156.83	5.2	3159.52	3.8	3162.25	1.5	3164.99	3.7+00	3167.41	1.5
3154.10	5.9+00	3156.87	5.0	3159.62	8.9	3162.35	3.4+00	3165.00	3.8	3167.46	1.5
3154.20	1.8	3156.93	3.4	3159.67	5.4	3162.40	5.9	3165.02	3.5	3167.52	1.5
3154.33	9.1	3156.97	3.3	3159.78	1.3+01	3162.46	6.3	3165.06	5.6	3167.58	1.2
3154.40	2.7	3157.00	2.5	3159.85	8.0+00	3162.56	1.6	3165.11	6.3	3167.66	1.6
3154.44	2.1	3157.05	1.3	3159.94	4.6	3162.60	3.1	3165.14	5.2	3167.70	1.5
3154.46	2.4	3157.10	2.6	3160.00	7.4	3162.68	9.2	3165.21	1.0+01	3167.78	3.9+00
3154.52	1.9	3157.14	2.6	3160.04	9.2	3162.71	9.0	3165.26	7.0+00	3167.85	2.3
3154.57	3.6	3157.25	8.4	3160.09	8.4	3162.75	9.3	3165.35	1.4+01	3167.91	3.1
3154.60	3.4	3157.31	3.7	3160.13	9.1	3162.79	6.7	3165.40	1.2	3168.00	1.1+01
3154.68	5.0	3157.34	3.7	3160.21	3.4	3162.87	1.5+01	3165.43	9.4+00	3168.02	1.1
3154.74	7.8	3157.40	1.9	3160.28	9.1	3162.92	1.7	3165.45	8.7	3168.06	1.0
3154.80	4.8	3157.45	2.6	3160.34	4.8	3162.97	1.7	3165.49	6.7	3168.14	4.0+00
3154.86	1.2+01	3157.52	4.4	3160.40	1.0+01	3163.00	1.3	3165.57	1.5+01	3168.24	1.4+01
3154.90	1.3	3157.59	1.1+01	3160.43	1.1	3163.09	4.3+00	3165.60	1.6	3168.28	1.3
3154.93	1.2	3157.65	6.6+00	3160.52	1.0	3163.17	1.1+01	3165.65	1.6	3168.34	1.3
3155.00	1.5	3157.69	7.1	3160.61	3.7+00	3163.21	1.0	3165.72	1.6	3168.37	1.1
3155.06	1.4	3157.76	5.4	3160.65	2.4	3163.30	1.6	3165.79	1.1	3168.51	1.5+00
3155.14	5.2+00	3157.82	7.7	3160.73	6.7	3163.40	5.9+00	3165.87	2.9+00	3168.62	6.6

WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX
3168.65	6.5+00	3171.20	1.1+01	3173.82	1.2+01	3176.59	1.3+01	3179.03	4.7+00	3182.08	3.6+00
3168.75	1.3+01	3171.27	9.2+00	3173.87	1.3	3176.66	1.3	3179.07	4.2	3182.13	6.7
3168.85	4.1+00	3171.34	3.9	3173.94	1.3	3176.79	1.3	3179.11	4.6	3182.21	9.7
3168.90	6.6	3171.42	1.2+01	3174.00	1.3	3176.89	1.2	3179.33	7.2-01	3182.27	7.6
3168.94	4.8	3171.50	1.3	3174.08	1.0	3176.91	1.3	3179.38	7.1	3182.31	9.0
3169.00	9.4	3171.55	1.3	3174.11	9.6+00	3176.94	1.3	3179.46	1.9+00	3182.35	8.8
3169.03	1.2+01	3171.66	4.1+00	3174.15	8.1	3176.97	1.3	3179.51	1.7	3182.40	1.2+01
3169.05	1.2	3171.74	8.6	3174.19	8.3	3177.00	1.3	3179.55	2.2	3182.47	5.3+00
3169.11	1.4	3171.76	8.2	3174.22	8.1	3177.02	1.3	3179.62	5.6	3182.57	1.2+01
3169.18	9.0+00	3171.82	1.1+01	3174.31	1.2+01	3177.10	1.1	3179.72	8.0	3182.60	1.3
3169.26	1.4+01	3171.86	1.2	3174.39	8.3+00	3177.16	1.3	3179.79	8.8	3182.65	1.1
3169.36	5.0+00	3171.96	8.0+00	3174.43	9.0	3177.23	1.2	3179.84	7.3	3182.74	1.5
3169.39	6.0	3172.00	3.7	3174.50	5.2	3177.32	3.9+00	3179.92	3.5	3182.83	6.8+00
3169.43	6.2	3172.05	2.0	3174.58	1.1+01	3177.38	8.6	3179.98	6.0	3182.87	5.0
3169.50	1.4+01	3172.09	2.5	3174.70	3.2+00	3177.43	1.2+01	3180.00	6.7	3182.91	6.8
3169.52	1.5	3172.13	7.1	3174.78	8.8	3177.50	8.4+00	3180.06	9.7	3183.00	2.2
3169.61	6.8+00	3172.18	1.1+01	3174.85	1.0+01	3177.56	3.4	3180.14	4.6	3183.09	3.0
3169.68	1.3+01	3172.22	1.2	3174.97	3.0+00	3177.64	7.1	3180.24	1.8	3183.13	2.8
3169.76	6.0+00	3172.24	1.1	3175.00	4.8	3177.70	4.9	3180.39	1.1+01	3183.22	9.2
3169.82	8.9	3172.30	7.0+00	3175.03	5.7	3177.78	1.0+01	3180.43	1.0	3183.28	4.6
3169.86	7.6	3172.35	1.1+01	3175.05	5.6	3177.84	8.2+00	3180.50	5.4+00	3183.32	6.6
3169.92	1.5+01	3172.41	1.2	3175.14	1.2+01	3177.90	8.4	3180.60	1.1+01	3183.35	5.8
3169.97	1.6	3172.46	1.1	3175.18	1.3	3177.94	8.4	3180.72	1.8+00	3183.38	6.3
3170.00	1.4	3172.50	7.3+00	3175.22	1.2	3178.00	3.6	3180.79	2.9	3183.44	3.8
3170.02	1.2	3172.57	1.1+01	3175.33	3.2+00	3178.04	2.2	3180.86	1.1+01	3183.50	6.3
3170.08	1.1	3172.61	1.1	3175.36	3.4	3178.13	5.2	3180.89	1.1	3183.53	5.9
3170.13	7.8+00	3172.65	1.0	3175.46	2.0	3178.18	4.3	3180.96	1.2	3183.56	6.0
3170.20	1.1+01	3172.71	1.1	3175.53	7.7	3178.26	1.1+01	3181.00	1.1	3183.59	5.6
3170.25	9.4+00	3172.73	1.1	3175.59	1.1+01	3178.30	1.2	3181.07	1.2	3183.65	1.2+01
3170.34	2.8	3172.79	1.2	3175.64	1.3	3178.36	1.2	3181.14	1.0	3183.70	1.6
3170.42	8.5	3172.83	1.1	3175.69	1.3	3178.43	8.3+00	3181.23	4.0+00	3183.74	1.7
3170.47	8.0	3172.87	1.1	3175.81	1.3	3178.50	3.6	3181.30	1.5	3183.81	1.7
3170.54	1.1+01	3172.98	6.5+00	3175.83	1.3	3178.53	3.2	3181.38	3.8	3183.86	1.6
3170.58	1.2	3173.00	6.9	3175.86	1.3	3178.57	4.2	3181.44	3.0	3183.96	3.9+00
3170.62	1.1	3173.09	1.2+01	3175.91	1.3	3178.60	7.9	3181.49	5.2	3183.99	3.1
3170.70	6.0+00	3173.13	1.1	3176.00	5.8+00	3178.64	9.1	3181.54	3.0	3184.00	3.0
3170.75	9.9	3173.20	6.1+00	3176.07	1.2+01	3178.67	8.9	3181.63	6.7	3184.04	3.5
3170.80	1.1+01	3173.29	1.1+01	3176.13	1.3	3178.73	9.7	3181.67	5.6	3184.09	7.3
3170.86	1.2	3173.40	3.8+00	3176.19	1.3	3178.75	9.2	3181.72	6.8	3184.14	4.1
3170.92	1.1	3173.48	9.7	3176.24	1.1	3178.82	8.9	3181.76	4.1	3184.19	8.2
3170.98	8.2+00	3173.56	3.3	3176.30	3.1+00	3178.84	8.9	3181.81	7.1	3184.22	7.4
3171.00	9.1	3173.60	2.3	3176.36	2.8	3178.87	9.1	3181.89	2.9	3184.29	1.3+01
3171.02	1.1+01	3173.66	3.7	3176.43	6.6	3178.92	7.7	3181.94	3.6	3184.39	3.4+00
3171.06	1.2	3173.68	3.6	3176.46	7.1	3178.98	3.3	3182.00	9.4	3184.46	9.9
3171.14	1.1	3173.77	1.1+01	3176.54	1.2+01	3179.00	3.5	3182.02	9.9	3184.51	1.3+01

WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX
3184.63	4.6+00	3187.17	5.0+00	3189.90	1.1+01	3192.41	3.9+00	3194.85	7.9+00	3197.32	1.4+01
3184.70	1.2+01	3187.24	8.7	3189.96	7.8+00	3192.47	8.2	3194.93	1.3+01	3197.34	1.5
3184.76	1.3	3187.31	4.9	3190.00	6.1	3192.54	4.5	3194.99	8.9+00	3197.37	1.5
3184.83	1.1	3187.40	1.1+01	3190.04	3.8	3192.64	6.1	3195.00	8.7	3197.40	1.5
3184.91	2.4+00	3187.44	1.1	3190.12	5.4	3192.68	7.3	3195.02	8.5	3197.43	1.4
3184.98	5.3	3187.48	1.1	3190.26	1.2+01	3192.82	1.6	3195.08	5.5	3197.53	3.1+00
3185.00	4.3	3187.57	4.0+00	3190.30	1.2	3192.88	2.6	3195.13	6.9	3197.58	6.0
3185.02	3.5	3187.65	7.4	3190.36	1.5	3192.91	2.4	3195.17	6.6	3197.59	6.1
3185.16	1.1+01	3187.73	2.5	3190.37	1.5	3192.94	2.9	3195.19	6.9	3197.64	7.1
3185.24	9.0+00	3187.79	8.4	3190.41	1.5	3193.00	8.4	3195.23	5.7	3197.70	5.7
3185.30	3.2	3187.84	1.1+01	3190.48	1.6	3193.02	8.5	3195.28	1.0+01	3197.82	1.6+01
3185.34	2.2	3187.88	1.1	3190.55	1.3	3193.06	7.6	3195.35	1.4	3197.86	1.6
3185.38	3.0	3187.94	1.0	3190.58	1.3	3193.11	9.6	3195.39	1.4	3197.89	1.6
3185.41	3.3	3188.00	6.3+00	3190.63	7.9+00	3193.19	2.7	3195.46	1.5	3197.93	1.6
3185.48	1.0+01	3188.05	2.9	3190.68	2.9	3193.25	1.4	3195.50	1.5	3198.00	9.4+00
3185.52	1.1	3188.10	4.5	3190.76	7.9	3193.30	2.1	3195.57	3.8+00	3198.04	6.0
3185.58	8.5+00	3188.14	7.9	3190.84	2.2	3193.33	3.5	3195.59	3.1	3198.10	9.3
3185.63	9.6	3188.17	1.0+01	3190.88	1.9	3193.38	1.0+01	3195.67	9.0	3198.13	9.2
3185.68	7.8	3188.21	1.1	3190.92	3.2	3193.46	1.5	3195.72	5.6	3198.18	1.0+01
3185.74	1.0+01	3188.26	1.0	3191.00	1.1+01	3193.50	1.5	3195.78	1.3+01	3198.23	1.0
3185.79	1.2	3188.34	4.5+00	3191.06	1.2	3193.59	1.5	3195.83	1.5	3198.30	6.1+00
3185.82	1.2	3188.40	3.4	3191.13	5.8+00	3193.62	1.5	3195.90	1.3	3198.35	1.3+01
3185.87	1.3	3188.46	4.6	3191.17	1.0+01	3193.73	4.5+00	3195.92	1.2	3198.39	1.3
3185.92	1.2	3188.56	1.6	3191.20	1.0	3193.80	2.2	3195.98	5.8+00	3198.43	1.2
3186.00	7.4+00	3188.60	2.4	3191.27	1.4	3193.85	3.5	3196.00	5.7	3198.50	5.9+00
3186.04	8.6	3188.65	8.3	3191.31	1.2	3193.94	1.2+01	3196.07	2.1	3198.56	1.1+01
3186.11	5.0	3188.71	1.0+01	3191.34	1.2	3193.98	1.1	3196.10	1.8	3198.60	1.2
3186.18	9.2	3188.84	2.5+00	3191.41	6.5+00	3194.00	1.2	3196.14	2.3	3198.63	1.2
3186.23	1.1+01	3188.92	8.3	3191.48	1.4+01	3194.03	1.3	3196.30	1.2+01	3198.68	1.1
3186.29	7.8+00	3188.95	9.0	3191.52	1.5	3194.10	8.2+00	3196.34	1.1	3198.78	1.4
3186.32	8.1	3189.00	1.1+01	3191.57	1.2	3194.13	1.1+01	3196.42	1.4	3198.80	1.4
3186.40	4.4	3189.03	1.2	3191.67	2.9+00	3194.19	1.2	3196.46	1.2	3198.86	1.3
3186.47	2.9	3189.08	1.2	3191.75	9.0	3194.24	1.1	3196.50	1.3	3198.92	1.2
3186.55	9.7	3189.16	1.2	3191.79	6.5	3194.27	1.2	3196.57	9.8+00	3198.98	1.3
3186.59	1.0+01	3189.21	1.2	3191.85	9.9	3194.31	1.3	3196.60	1.0+01	3199.00	1.3
3186.65	8.5+00	3189.26	1.1	3191.90	7.1	3194.37	1.1	3196.62	1.0	3199.04	1.3
3186.74	2.2	3189.33	7.5+00	3191.94	7.8	3194.44	3.3+00	3196.71	1.3	3199.06	1.2
3186.77	1.6	3189.42	1.2+01	3192.00	3.3	3194.50	5.1	3196.79	9.8+00	3199.13	8.2+00
3186.83	2.6	3189.50	9.8+00	3192.01	2.9	3194.54	4.0	3196.88	3.2	3199.22	1.3+01
3186.94	7.2	3189.62	1.2+01	3192.13	7.9	3194.58	3.8	3196.95	1.0	3199.28	1.1
3186.97	6.9	3189.68	1.2	3192.17	6.8	3194.62	4.5	3197.00	1.2	3199.36	5.6+00
3187.00	7.8	3189.72	1.1	3192.21	6.7	3194.66	1.3+01	3197.05	1.9	3199.42	8.4
3187.04	8.8	3189.78	8.0+00	3192.23	6.8	3194.71	1.6	3197.10	1.4	3199.54	1.6
3187.07	8.6	3189.82	1.0+01	3192.27	5.5	3194.77	1.3	3197.14	2.0	3199.56	1.6
3187.10	8.7	3189.86	1.0	3192.33	8.2	3194.80	1.2	3197.18	5.6	3199.64	7.0

WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX
3199.67	6.9+00	3202.05	1.3+01	3204.94	1.2+01	3207.36	1.2+01	3209.62	1.1+01	3212.39	1.3+01
3199.74	1.2+01	3202.09	1.1	3204.98	1.1	3207.42	7.7+00	3209.70	1.3	3212.44	1.1
3199.79	1.2	3202.15	4.8+00	3205.00	1.1	3207.48	1.2+01	3209.75	1.3	3212.47	1.2
3199.88	7.9+00	3202.22	9.3	3205.02	1.1	3207.50	1.2	3209.82	1.2	3212.55	6.6+00
3199.94	2.9	3202.27	7.9	3205.12	7.5+00	3207.54	1.2	3209.85	1.1	3212.63	1.3+01
3200.00	9.2	3202.32	1.0+01	3205.17	7.3	3207.58	1.0	3209.93	3.6+00	3212.67	1.1
3200.03	1.2+01	3202.40	4.5+00	3205.22	4.1	3207.61	1.0	3210.00	7.6	3212.74	1.5
3200.06	1.2	3202.46	6.5	3205.28	5.6	3207.67	6.0+00	3210.02	9.1	3212.76	1.5
3200.11	1.2	3202.56	1.9	3205.39	1.8	3207.76	1.2+01	3210.04	8.4	3212.88	4.4+00
3200.18	7.0+00	3202.62	5.8	3205.43	1.9	3207.82	1.3	3210.11	1.2+01	3213.00	1.4+01
3200.20	7.8	3202.68	3.6	3205.51	8.0	3207.84	1.3	3210.20	3.0+00	3213.01	1.4
3200.29	2.8	3202.72	5.0	3205.54	8.9	3207.90	1.2	3210.22	2.3	3213.13	3.5+00
3200.33	2.4	3202.78	8.7	3205.57	8.0	3207.94	1.1	3210.25	3.0	3213.19	6.5
3200.39	4.2	3202.83	6.9	3205.63	9.7	3208.00	7.9+00	3210.33	9.3	3213.29	2.0
3200.46	1.3	3202.89	1.0+01	3205.67	9.7	3208.03	9.0	3210.44	2.1	3213.32	1.7
3200.50	1.3	3202.94	6.2+00	3205.73	1.0+01	3208.09	7.7	3210.59	1.1+01	3213.38	3.3
3200.60	8.6	3203.00	1.1+01	3205.78	8.1+00	3208.17	1.2+01	3210.64	6.0+00	3213.41	3.4
3200.66	1.1+01	3203.03	1.1	3205.83	9.8	3208.21	1.2	3210.70	7.7	3213.45	4.9
3200.70	1.2	3203.10	1.4	3205.85	1.0+01	3208.27	1.1	3210.73	6.1	3213.47	5.4
3200.74	1.1	3203.22	1.4	3205.91	1.1	3208.36	4.0+00	3210.76	5.6	3213.53	9.5
3200.81	3.9+00	3203.27	1.3	3205.92	1.1	3208.41	6.8	3210.83	2.4	3213.56	9.7
3200.90	1.2+01	3203.33	5.5+00	3206.00	6.3+00	3208.48	2.6	3210.92	9.9	3213.61	1.2+01
3200.98	3.8+00	3203.38	8.3	3206.07	1.2+01	3208.54	5.3	3210.95	1.0+01	3213.68	6.9+00
3201.00	4.0	3203.45	3.0	3206.12	1.3	3208.60	2.9	3211.00	1.3	3213.71	6.7
3201.02	4.9	3203.56	1.2+01	3206.19	1.2	3208.65	6.1	3211.02	1.3	3213.75	5.4
3201.04	5.2	3203.62	1.4	3206.24	8.6+00	3208.69	5.2	3211.07	1.1	3213.83	1.1+01
3201.10	1.2+01	3203.67	1.4	3206.31	1.1+01	3208.75	9.0	3211.11	1.2	3214.00	2.1+00
3201.19	1.3	3203.78	1.2	3206.35	1.1	3208.78	9.2	3211.18	1.0	3214.02	1.2
3201.23	1.3	3203.85	5.3+00	3206.43	1.3	3208.83	1.0+01	3211.23	1.0	3214.07	1.2
3201.28	9.2+00	3203.93	1.1+01	3206.48	1.1	3208.89	9.2+00	3211.28	1.2	3214.16	4.2
3201.35	1.2+01	3203.99	6.9+00	3206.52	1.0	3208.97	1.1+01	3211.30	1.2	3214.21	3.3
3201.40	1.1	3204.00	7.0	3206.59	1.3	3209.00	1.0	3211.37	1.5	3214.24	3.9
3201.43	1.1	3204.05	1.1+01	3206.63	1.3	3209.04	9.5+00	3211.50	3.1+00	3214.31	1.0+01
3201.52	9.0+00	3204.09	1.3	3206.67	1.3	3209.11	4.3	3211.56	7.1	3214.40	2.5+00
3201.57	1.0+01	3204.13	1.3	3206.77	8.3+00	3209.14	3.6	3211.62	2.5	3214.47	9.1
3201.62	9.2+00	3204.19	1.2	3206.82	9.6	3209.19	1.7	3211.68	2.3	3214.50	9.4
3201.67	1.2+01	3204.22	1.1	3206.87	9.8	3209.24	3.0	3211.75	7.5	3214.56	1.3+01
3201.72	1.2	3204.30	6.2+00	3206.95	5.3	3209.31	1.9	3211.79	8.5	3214.62	8.4+00
3201.78	1.4	3204.41	1.3+01	3207.00	8.9	3209.37	6.0	3211.90	2.2	3214.67	1.2+01
3201.81	1.4	3204.47	1.2	3207.02	9.5	3209.40	6.8	3211.94	3.0	3214.77	2.5+00
3201.85	1.4	3204.55	1.4	3207.09	3.9	3209.43	6.4	3212.00	1.5	3214.85	9.2
3201.91	1.2	3204.70	1.5	3207.17	1.0+01	3209.48	8.2	3212.10	6.8	3214.88	1.1+01
3201.95	1.3	3204.75	1.5	3207.20	9.5+00	3209.52	9.5	3212.16	3.6	3214.96	1.5
3201.98	1.3	3204.82	1.3	3207.24	9.8	3209.55	1.1+01	3212.25	1.0+01	3215.00	1.1
3202.00	1.3	3204.88	9.1+00	3207.31	1.2+01	3209.58	1.2	3212.32	6.4+00	3215.02	9.9+00

WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX
3215.06	1.0+01	3217.66	1.3+01	3220.38	8.8+00	3223.05	8.6+00	3225.57	8.9+00	3228.33	1.0+01
3215.16	3.5+00	3217.69	1.3	3220.44	6.5	3223.10	7.4	3225.63	4.4	3228.37	1.2
3215.20	3.0	3217.77	8.6+00	3220.52	9.8	3223.18	8.8	3225.67	5.1	3228.43	1.3
3215.29	8.8	3217.83	3.1	3220.56	7.9	3223.27	3.7	3225.80	1.2	3228.50	6.9+00
3215.34	4.8	3217.90	9.0	3220.60	9.1	3223.33	7.0	3225.87	2.9	3228.54	8.3
3215.40	3.7	3217.94	9.0	3220.64	9.4	3223.39	5.5	3225.91	2.9	3228.61	3.3
3215.47	1.1+01	3218.00	1.1+01	3220.70	1.2+01	3223.42	6.1	3225.98	5.8	3228.70	1.3+01
3215.52	1.2	3218.06	8.1+00	3220.75	1.1	3223.46	5.0	3226.00	5.4	3228.74	1.4
3215.58	1.1	3218.14	1.2+01	3220.81	1.1	3223.49	5.1	3226.03	4.1	3228.83	5.3+00
3215.62	1.1	3218.18	1.1	3220.86	1.1	3223.53	4.4	3226.09	8.0	3228.86	5.1
3215.68	1.1	3218.26	2.9+00	3220.91	1.2	3223.61	1.0+01	3226.15	5.7	3228.90	4.2
3215.74	1.1	3218.35	1.2+01	3220.95	1.2	3223.65	8.2+00	3226.21	1.1+01	3228.98	1.3+01
3215.77	9.1+00	3218.40	1.3	3221.00	1.2	3223.71	1.0+01	3226.31	1.4	3229.00	1.3
3215.84	2.8	3218.45	1.3	3221.04	1.2	3223.76	9.6+00	3226.40	1.2	3229.04	1.3
3215.88	3.1	3218.50	1.3	3221.10	1.1	3223.80	1.1+01	3226.45	9.5+00	3229.08	7.5+00
3215.94	1.6	3218.54	1.3	3221.14	9.3+00	3223.85	6.1+00	3226.49	1.2+01	3229.13	1.9
3216.00	5.1	3218.62	9.5+00	3221.17	9.2	3223.91	1.1+01	3226.54	1.2	3229.19	1.7
3216.03	6.9	3218.66	9.7	3221.21	9.8	3223.98	1.3	3226.61	1.4	3229.22	2.3
3216.13	1.1+01	3218.70	9.7	3221.30	4.1	3224.00	1.3	3226.67	1.2	3229.31	9.2
3216.21	6.7+00	3218.75	1.3+01	3221.37	8.1	3224.03	1.3	3226.74	3.0+00	3229.43	2.8
3216.28	1.2+01	3218.80	1.3	3221.40	7.4	3224.10	1.2	3226.77	2.8	3229.50	9.5
3216.32	1.2	3218.84	1.3	3221.48	1.0+01	3224.17	1.1	3226.80	3.3	3229.57	4.5
3216.37	1.2	3218.87	1.3	3221.56	7.6+00	3224.26	2.7+00	3226.85	8.9	3229.67	1.3+01
3216.41	1.3	3218.91	1.3	3221.60	6.7	3224.35	1.0+01	3226.90	7.4	3229.73	1.2
3216.46	1.2	3219.00	1.1	3221.67	2.0	3224.38	1.1	3226.94	7.9	3229.80	4.6+00
3216.54	5.2+00	3219.05	1.2	3221.76	7.8	3224.42	1.2	3227.00	2.6	3229.83	4.9
3216.61	9.0	3219.16	4.5+00	3221.82	7.9	3224.48	1.2	3227.05	3.7	3229.87	3.2
3216.69	3.0	3219.26	1.2+01	3221.90	2.9	3224.59	1.1	3227.08	3.6	3229.92	4.9
3216.76	8.3	3219.29	1.2	3221.94	1.9	3224.65	7.7+00	3227.15	1.1+01	3229.98	3.2
3216.82	3.4	3219.33	1.1	3222.00	2.9	3224.70	9.0	3227.20	1.2	3230.00	3.3
3216.85	4.0	3219.37	1.0	3222.10	1.0	3224.77	3.6	3227.24	1.3	3230.04	4.9
3216.91	2.1	3219.41	9.7+00	3222.23	6.2	3224.85	9.5	3227.29	1.4	3230.10	2.3
3216.94	1.9	3219.49	6.9	3222.28	7.1	3224.94	3.6	3227.33	1.4	3230.12	2.5
3216.98	2.8	3219.59	1.3	3222.33	9.0	3224.98	4.0	3227.38	1.4	3230.17	1.8
3217.00	2.5	3219.70	4.9	3222.40	9.8	3225.00	3.6	3227.43	1.3	3230.19	1.9
3217.06	9.8-01	3219.78	1.7	3222.43	9.4	3225.04	2.5	3227.55	1.1	3230.26	7.8
3217.12	2.3+00	3219.80	1.4	3222.46	9.2	3225.10	8.4	3227.74	2.0+00	3230.32	1.0+01
3217.20	9.2	3219.89	7.0	3222.52	9.7	3225.17	1.2+01	3227.80	1.6	3230.34	1.0
3217.25	9.8	3219.94	1.0+01	3222.60	8.0	3225.22	1.3	3227.83	2.1	3230.38	1.0
3217.34	3.1	3220.00	1.1	3222.64	8.1	3225.28	1.1	3227.94	7.3	3230.46	7.5+00
3217.38	1.7	3220.11	1.2	3222.73	5.1	3225.32	1.3	3228.00	3.6	3230.54	8.9
3217.42	2.6	3220.16	1.2	3222.77	4.2	3225.37	1.2	3228.05	4.9	3230.58	7.8
3217.48	7.8	3220.19	1.2	3222.86	1.3	3225.40	1.2	3228.10	3.0	3230.64	9.6
3217.55	1.1+01	3220.26	1.1	3222.95	5.0	3225.46	9.9+00	3228.18	8.5	3230.72	3.5
3217.63	1.3	3220.34	7.6+00	3223.00	7.2	3225.53	1.0+01	3228.25	3.2	3230.78	8.3

WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX
3230.84	5.4+00	3233.41	1.5+01	3235.98	1.4+01	3238.65	1.3+01	3241.10	1.0+01	3243.63	1.2+01
3230.88	5.9	3233.48	1.4	3236.00	1.3	3238.69	1.2	3241.13	1.1	3243.75	3.1+00
3230.96	2.0	3233.54	1.1	3236.05	1.2	3238.78	5.8+00	3241.18	1.3	3243.79	2.5
3231.00	4.0	3233.60	1.3	3236.13	3.1+00	3238.83	9.0	3241.25	1.3	3243.83	3.3
3231.09	1.1+01	3233.67	8.0+00	3236.14	2.5	3239.00	2.1	3241.29	1.3	3243.87	3.7
3231.18	1.2	3233.72	9.0	3236.19	3.5	3239.05	1.4	3241.32	1.2	3243.94	1.1+01
3231.25	9.4+00	3233.76	7.8	3236.24	2.3	3239.20	6.2	3241.39	7.3+00	3244.00	1.2
3231.34	3.0	3233.83	1.1+01	3236.35	8.9	3239.22	6.2	3241.41	7.7	3244.06	1.0
3231.44	1.1+01	3233.87	9.7+00	3236.59	1.6	3239.26	5.8	3241.45	7.2	3244.20	1.9+00
3231.48	9.8+00	3233.98	2.2	3236.63	2.1	3239.32	3.7	3241.49	7.0	3244.28	5.6
3231.54	1.2+01	3234.00	2.8	3236.73	5.3	3239.36	4.0	3241.57	1.0+01	3244.31	6.1
3231.60	7.2+00	3234.02	3.9	3236.79	3.5	3239.45	1.9	3241.64	9.4+00	3244.35	6.1
3231.65	1.1+01	3234.07	3.9	3236.86	9.7	3239.58	8.4	3241.69	8.0	3244.45	1.2+01
3231.71	5.5+00	3234.16	9.4	3236.90	1.1+01	3239.66	2.9	3241.75	9.9	3244.51	1.0
3231.78	1.3+01	3234.20	1.0+01	3236.94	1.1	3239.74	9.3	3241.80	8.0	3244.55	1.0
3231.82	1.4	3234.28	8.8+00	3236.96	1.2	3239.76	1.1+01	3241.83	7.3	3244.58	1.1
3231.88	1.4	3234.42	3.3	3237.00	9.9+00	3239.79	1.3	3241.93	2.9	3244.64	1.3
3231.96	1.0	3234.50	1.3	3237.04	5.6	3239.83	1.3	3241.98	1.4	3244.67	1.2
3232.00	1.3	3234.54	1.2	3237.11	1.2+01	3239.87	1.3	3242.00	1.5	3244.69	1.2
3232.04	1.4	3234.59	1.4	3237.14	1.1	3239.93	1.4	3242.04	2.2	3244.72	1.1
3232.08	1.3	3234.64	1.4	3237.18	1.1	3239.95	1.4	3242.16	8.3	3244.77	1.3
3232.12	1.2	3234.73	6.3	3237.23	7.6+00	3240.00	9.8+00	3242.20	9.1	3244.80	1.3
3232.17	9.5+00	3234.82	9.6	3237.29	1.2+01	3240.03	7.6	3242.28	4.1	3244.84	1.2
3232.20	9.9	3234.85	9.9	3237.33	1.3	3240.08	1.0+01	3242.34	1.1+01	3244.88	1.1
3232.28	3.3	3234.94	5.1	3237.44	4.6+00	3240.12	8.9+00	3242.38	1.3	3244.92	1.1
3232.38	1.3+01	3235.00	8.7	3237.52	1.2+01	3240.17	1.2+01	3242.42	1.3	3244.97	1.1
3232.41	1.3	3235.03	7.7	3237.58	1.2	3240.21	1.3	3242.54	1.3	3245.00	1.1
3232.48	1.5	3235.11	1.3+01	3237.66	1.4	3240.25	1.3	3242.58	1.3	3245.06	1.1
3232.53	1.6	3235.21	9.5+00	3237.74	9.4+00	3240.29	1.2	3242.63	9.6+00	3245.10	1.1
3232.59	1.5	3235.26	1.1+01	3237.76	9.9	3240.33	1.1	3242.67	1.1+01	3245.14	1.1
3232.63	1.4	3235.33	6.3+00	3237.85	4.0	3240.40	5.8+00	3242.71	9.9+00	3245.21	1.2
3232.71	9.3+00	3235.38	1.2+01	3237.95	1.1+01	3240.45	1.0+01	3242.78	1.3+01	3245.30	1.0
3232.74	9.2	3235.40	1.3	3238.00	9.5+00	3240.49	1.2	3242.84	1.2	3245.33	1.0
3232.81	4.3	3235.42	1.5	3238.04	7.8	3240.54	1.2	3242.89	1.2	3245.40	5.4+00
3232.85	5.0	3235.46	1.5	3238.08	7.4	3240.61	6.0+00	3242.93	1.1	3245.48	8.6
3232.94	1.6	3235.49	1.4	3238.15	1.2+01	3240.65	7.4	3243.00	4.6+00	3245.52	8.5
3233.00	3.4	3235.56	7.4+00	3238.18	1.3	3240.70	5.0	3243.07	1.8	3245.54	8.0
3233.02	3.5	3235.60	6.2	3238.22	1.3	3240.76	1.0+01	3243.11	2.6	3245.60	1.2+01
3233.06	2.8	3235.67	1.3+01	3238.28	1.3	3240.79	1.1	3243.17	8.8	3245.63	1.3
3233.13	7.9	3235.69	1.3	3238.33	1.2	3240.83	1.2	3243.21	9.3	3245.70	1.4
3233.17	6.3	3235.71	1.2	3238.38	1.4	3240.86	1.2	3243.29	1.2+01	3245.73	1.4
3233.24	1.0+01	3235.78	4.8+00	3238.42	1.4	3240.92	1.1	3243.34	1.1	3245.85	1.5
3233.29	9.0+00	3235.83	6.1	3238.46	1.4	3240.97	9.4+00	3243.41	4.1+00	3245.89	1.4
3233.33	1.3+01	3235.89	1.3+01	3238.52	1.0	3241.00	9.7	3243.49	1.1+01	3246.00	2.7+00
3233.37	1.5	3235.94	1.4	3238.56	9.8+00	3241.05	6.3	3243.53	1.2	3246.09	1.2+01

WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX
3246.13	1.5+01	3248.72	2.8+00	3251.25	3.9+00	3254.06	8.0+00	3256.71	7.6+00	3259.11	1.2+01
3246.22	1.6	3248.79	1.3+01	3251.33	7.9	3254.13	1.0+01	3256.77	1.4+01	3259.15	1.5
3246.27	1.6	3248.85	1.5	3251.44	2.0+01	3254.22	2.9+00	3256.80	1.5	3259.26	1.5
3246.29	1.6	3248.88	1.5	3251.48	2.0	3254.26	2.4	3256.85	1.5	3259.34	1.6
3246.33	1.5	3248.93	1.5	3251.52	1.8	3254.33	4.1	3256.93	1.5	3259.51	1.5
3246.36	1.6	3249.00	1.1	3251.60	1.7	3254.38	3.2	3256.98	1.5	3259.54	1.5
3246.40	1.5	3249.03	8.8+00	3251.63	1.7	3254.44	6.6	3257.00	1.5	3259.60	1.2
3246.43	1.5	3249.10	1.3+01	3251.67	1.7	3254.46	6.2	3257.03	1.5	3259.66	1.3
3246.49	5.6+00	3249.20	4.9+00	3251.72	1.8	3254.55	1.4+01	3257.11	7.9+00	3259.71	1.3
3246.55	1.2+01	3249.30	1.4+01	3251.78	1.6	3254.60	1.4	3257.17	1.2+01	3259.78	1.5
3246.59	1.5	3249.39	3.6+00	3251.85	5.1+00	3254.63	1.4	3257.24	5.5+00	3259.88	1.5
3246.63	1.5	3249.45	3.3	3251.91	2.8	3254.67	1.3	3257.33	1.3+01	3259.93	1.3
3246.69	1.5	3249.50	7.8	3251.94	3.6	3254.75	5.2+00	3257.38	1.1	3260.00	5.4+00
3246.74	1.6	3249.52	8.5	3252.00	1.1+01	3254.86	1.4+01	3257.40	1.1	3260.06	1.4+01
3246.77	1.6	3249.57	1.2+01	3252.05	1.7	3254.91	1.5	3257.46	7.8+00	3260.11	1.5
3246.83	1.5	3249.62	8.8+00	3252.09	1.8	3254.96	1.5	3257.53	1.2+01	3260.14	1.4
3246.88	1.2	3249.66	7.8	3252.12	1.7	3255.00	1.5	3257.62	4.9+00	3260.17	1.3
3246.97	3.6+00	3249.72	1.3+01	3252.19	2.0	3255.02	1.5	3257.69	1.4+01	3260.27	4.7+00
3247.00	5.5	3249.77	1.5	3252.30	2.0	3255.05	1.5	3257.74	1.5	3260.35	1.4+01
3247.06	1.2+01	3249.80	1.4	3252.34	1.9	3255.09	1.5	3257.78	1.4	3260.42	1.5
3247.08	1.2	3249.87	1.0	3252.44	6.5+00	3255.13	1.5	3257.84	8.8+00	3260.54	1.4
3247.18	3.1+00	3249.90	1.1	3252.56	1.7+01	3255.15	1.5	3257.88	9.8	3260.59	1.5
3247.20	2.6	3249.93	1.1	3252.61	1.3	3255.21	1.5	3257.90	9.7	3260.64	1.6
3247.25	3.1	3249.96	1.2	3252.68	1.7	3255.25	1.5	3257.98	1.4+01	3260.71	1.5
3247.28	2.7	3250.00	1.0	3252.75	1.2	3255.29	1.4	3258.00	1.3	3260.75	1.5
3247.35	6.1	3250.02	1.1	3252.80	1.3	3255.35	1.5	3258.05	1.2	3260.84	9.5+00
3247.40	5.5	3250.08	1.8	3252.94	2.4+00	3255.40	1.5	3258.11	1.2	3260.90	1.5+01
3247.44	5.7	3250.10	1.8	3252.97	3.5	3255.44	1.5	3258.17	1.5	3260.94	1.6
3247.54	1.3	3250.17	1.7	3253.00	6.4	3255.50	1.1	3258.24	1.6	3260.97	1.6
3247.58	1.6	3250.20	1.7	3253.10	1.2+01	3255.59	1.5	3258.29	1.5	3261.00	1.5
3247.69	9.8	3250.24	1.7	3253.15	1.2	3255.61	1.5	3258.34	1.5	3261.02	1.4
3247.74	1.2+01	3250.28	1.6	3253.20	1.3	3255.69	1.4	3258.36	1.5	3261.06	1.4
3247.82	1.4	3250.39	5.3+00	3253.27	1.3	3255.74	1.4	3258.43	7.2+00	3261.12	1.5
3247.91	1.5	3250.49	1.0+01	3253.35	1.4	3255.78	1.4	3258.48	1.3+01	3261.16	1.6
3247.95	1.5	3250.55	9.3+00	3253.40	1.4	3255.90	4.1+00	3258.54	1.5	3261.24	1.5
3248.00	1.5	3250.63	4.5	3253.47	1.5	3256.00	1.1+01	3258.59	1.5	3261.34	7.0+00
3248.08	1.2	3250.69	9.0	3253.60	5.5+00	3256.06	1.3	3258.64	1.0	3261.40	1.4+01
3248.22	3.2+00	3250.75	3.9	3253.67	1.3+01	3256.14	6.2+00	3258.71	1.4	3261.44	1.4
3248.31	1.1+01	3250.83	1.6+01	3253.70	1.4	3256.19	1.3+01	3258.79	6.2+00	3261.49	1.3
3248.35	1.3	3250.87	1.8	3253.75	1.4	3256.25	1.5	3258.85	1.3+01	3261.59	3.3+00
3248.48	2.1+00	3250.95	1.9	3253.78	1.3	3256.33	1.5	3258.89	1.5	3261.62	3.0
3248.52	2.0	3251.00	1.9	3253.85	5.9+00	3256.40	1.5	3258.93	1.5	3261.65	3.7
3248.56	2.5	3251.03	1.7	3253.90	7.7	3256.49	1.0	3258.97	1.5	3261.71	1.0+01
3248.63	1.6	3251.14	8.0+00	3253.95	5.7	3256.60	1.5	3259.00	1.3	3261.77	1.3
3248.69	2.8	3251.18	8.9	3254.00	1.0+01	3256.65	1.3	3259.06	6.4+00	3261.82	1.3

WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX
3261.93	1.5+01	3264.43	8.5+00	3267.28	1.4+01	3270.00	6.9+00	3272.98	1.5+01	3275.64	1.3+01
3262.00	9.4+00	3264.47	1.1+01	3267.36	1.5	3270.07	1.4+01	3273.00	1.3	3275.70	8.2+00
3262.02	6.9	3264.54	4.3+00	3267.45	1.3	3270.16	6.8+00	3273.06	5.2+00	3275.79	1.4+01
3262.11	1.5+01	3264.64	1.4+01	3267.54	1.5	3270.23	1.4+01	3273.16	1.5+01	3275.86	1.0
3262.16	1.6	3264.73	3.5+00	3267.60	1.5	3270.27	1.5	3273.21	1.6	3275.92	1.4
3262.24	1.2	3264.78	3.7	3267.64	1.3	3270.30	1.5	3273.26	1.7	3275.95	1.4
3262.28	6.6+00	3264.84	8.5	3267.72	3.3+00	3270.37	1.3	3273.36	1.6	3276.00	1.4
3262.34	1.2+01	3264.86	8.8	3267.79	9.9	3270.42	1.5	3273.39	1.6	3276.04	1.4
3262.40	1.6	3264.92	1.4+01	3267.86	1.5+01	3270.48	1.6	3273.49	8.3+00	3276.15	3.2+00
3262.44	1.6	3264.96	1.4	3267.92	1.5	3270.54	1.4	3273.58	1.5+01	3276.24	1.1+01
3262.50	1.6	3265.00	9.8+00	3267.98	1.5	3270.61	1.3	3273.64	1.1	3276.27	1.2
3262.57	1.6	3265.04	3.7	3268.00	1.4	3270.68	8.5+00	3273.70	1.5	3276.35	1.5
3262.62	1.6	3265.06	3.0	3268.07	7.8+00	3270.81	1.4+01	3273.74	1.5	3276.48	4.1+00
3262.67	1.6	3265.16	1.3+01	3268.15	1.4+01	3270.86	1.4	3273.78	1.5	3276.57	1.1+01
3262.69	1.6	3265.22	1.4	3268.25	4.6+00	3271.00	2.8+00	3273.82	1.4	3276.61	7.4+00
3262.76	1.6	3265.26	1.4	3268.32	1.4+01	3271.03	2.1	3273.94	1.9+00	3276.70	1.4+01
3262.82	1.5	3265.34	7.6+00	3268.38	1.5	3271.09	3.6	3273.98	1.5	3276.79	4.8+00
3262.90	8.2+00	3265.44	1.4+01	3268.41	1.5	3271.13	2.5	3274.00	1.9	3276.88	1.5+01
3262.95	1.4+01	3265.56	3.7+00	3268.53	9.9+00	3271.25	1.3+01	3274.12	1.3+01	3276.91	1.5
3263.00	1.5	3265.63	2.2	3268.59	1.5+01	3271.29	1.4	3274.16	1.4	3276.94	1.4
3263.02	1.5	3265.74	9.6	3268.63	1.6	3271.33	1.3	3274.24	8.7+00	3277.00	5.8+00
3263.07	1.2	3265.80	1.4+01	3268.68	1.6	3271.37	1.4	3274.30	1.5+01	3277.07	1.2+01
3263.13	1.3	3265.83	1.4	3268.74	1.4	3271.42	1.2	3274.33	1.5	3277.13	1.3
3263.17	1.4	3265.91	8.5+00	3268.82	1.6	3271.45	1.1	3274.36	1.5	3277.20	9.3+00
3263.23	1.2	3265.95	1.1+01	3268.90	1.4	3271.51	6.1+00	3274.45	3.9+00	3277.23	1.0+01
3263.28	1.3	3266.00	1.4	3268.92	1.4	3271.57	1.2+01	3274.57	1.4+01	3277.33	3.7+00
3263.37	6.5+00	3266.06	1.6	3268.99	1.0	3271.65	3.6+00	3274.62	1.5	3277.36	3.3
3263.43	1.3+01	3266.10	1.6	3269.00	1.1	3271.68	2.9	3274.69	1.2	3277.40	4.7
3263.46	1.4	3266.18	1.5	3269.05	1.3	3271.71	3.7	3274.75	1.6	3277.48	1.3+01
3263.50	1.5	3266.20	1.5	3269.10	1.1	3271.77	9.7	3274.79	1.7	3277.54	1.5
3263.56	1.6	3266.26	1.4	3269.16	1.2	3271.80	8.6	3274.86	1.5	3277.58	1.5
3263.61	1.5	3266.34	1.5	3269.26	5.8+00	3271.89	1.5+01	3274.92	9.9+00	3277.60	1.4
3263.69	6.3+00	3266.45	1.2	3269.32	1.2+01	3272.00	1.3	3274.98	1.4+01	3277.65	1.0
3263.79	1.5+01	3266.56	1.5	3269.35	1.1	3272.10	3.4+00	3275.00	1.6	3277.68	9.8+00
3263.83	1.3	3266.59	1.5	3269.40	1.2	3272.19	9.8	3275.04	1.6	3277.81	1.4+01
3263.92	1.5	3266.70	8.6+00	3269.45	8.3+00	3272.25	5.1	3275.09	1.6	3277.86	1.3
3263.98	1.3	3266.79	1.5+01	3269.48	8.9	3272.34	1.3+01	3275.16	1.5	3277.94	1.6
3264.00	1.3	3266.84	1.6	3269.51	7.8	3272.40	1.5	3275.19	1.5	3277.98	1.6
3264.02	1.3	3266.88	1.5	3269.58	1.4+01	3272.55	1.6	3275.30	5.9+00	3278.00	1.6
3264.07	1.1	3266.97	7.1+00	3269.63	1.5	3272.62	7.3+00	3275.38	1.5+01	3278.11	1.5
3264.14	1.3	3267.00	8.7	3269.69	1.5	3272.68	1.3+01	3275.41	1.6	3278.14	1.5
3264.21	1.2	3267.02	9.0	3269.72	1.4	3272.74	9.2+00	3275.46	1.6	3278.19	1.4
3264.23	1.2	3267.06	8.1	3269.78	8.5+00	3272.80	1.4+01	3275.54	1.6	3278.30	3.8+00
3264.29	8.5+00	3267.17	1.4+01	3269.86	1.3+01	3272.84	1.4	3275.57	1.5	3278.36	1.1+01
3264.36	1.3+01	3267.23	1.3	3269.98	6.0+00	3272.94	1.6	3275.62	1.3	3278.42	1.5

WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX
3278.46	1.5+01	3281.32	3.7+00	3284.00	1.2+01	3286.77	2.0+00	3289.36	4.7+00	3292.00	6.7+00
3278.51	1.5	3281.38	1.0+01	3284.07	1.6	3286.90	6.5	3289.38	3.8	3292.06	3.1
3278.56	1.1	3281.44	1.4	3284.14	1.6	3286.96	3.7	3289.44	5.4	3292.09	4.3
3278.62	1.3	3281.48	1.5	3284.31	1.6	3287.00	6.8	3289.52	1.7+01	3292.17	1.3+01
3278.74	4.4+00	3281.54	1.3	3284.43	7.2+00	3287.04	9.4	3289.55	1.7	3292.21	1.4
3278.81	9.1	3281.64	1.3	3284.47	1.0+01	3287.10	5.3	3289.58	1.6	3292.26	1.4
3278.93	3.0	3281.73	6.5+00	3284.52	7.0+00	3287.18	9.9	3289.66	1.8	3292.33	1.0
3279.00	1.1+01	3281.80	1.1+01	3284.54	6.5	3287.22	6.9	3289.74	1.8	3292.39	1.4
3279.04	1.4	3281.88	6.0+00	3284.59	3.9	3287.30	1.2+01	3289.76	1.8	3292.42	1.4
3279.08	1.4	3281.95	1.3+01	3284.65	1.0+01	3287.32	1.2	3289.80	1.8	3292.52	8.6+00
3279.16	7.6+00	3282.00	1.4	3284.72	6.5+00	3287.38	1.3	3289.86	1.6	3292.60	3.3
3279.21	1.0+01	3282.07	1.5	3284.79	1.5+01	3287.43	1.2	3289.94	1.7	3292.68	1.2+01
3279.28	5.2+00	3282.13	1.6	3284.89	1.6	3287.46	1.2	3290.00	1.7	3292.73	1.4
3279.34	1.2+01	3282.18	1.5	3284.95	1.3	3287.54	1.4	3290.06	1.6	3292.76	1.4
3279.38	1.5	3282.25	9.6+00	3285.00	1.1	3287.67	3.7+00	3290.13	1.5	3292.83	1.5
3279.41	1.5	3282.28	8.8	3285.02	1.2	3287.72	8.9	3290.16	1.5	3292.88	1.4
3279.46	1.5	3282.35	3.4	3285.10	1.6	3287.82	1.6+01	3290.26	1.2	3293.00	1.5
3279.56	1.5	3282.42	9.2	3285.19	6.9+00	3287.88	1.7	3290.34	1.5	3293.02	1.5
3279.60	1.4	3282.45	8.2	3285.25	1.0+01	3287.94	1.8	3290.39	1.5	3293.06	1.4
3279.67	6.2+00	3282.50	1.1+01	3285.27	1.0	3287.98	1.7	3290.52	9.0+00	3293.16	6.6+00
3279.70	6.7	3282.55	7.6+00	3285.34	1.2	3288.00	1.6	3290.60	1.2+01	3293.21	1.1+01
3279.74	5.2	3282.63	1.3+01	3285.41	5.7+00	3288.06	1.0	3290.66	1.0	3293.26	1.4
3279.80	8.1	3282.72	3.7+00	3285.51	1.6+01	3288.09	1.0	3290.72	5.6+00	3293.30	1.5
3279.86	5.8	3282.79	8.9	3285.55	1.5	3288.16	5.0+00	3290.80	1.4+01	3293.37	1.5
3279.92	1.1+01	3282.86	4.0	3285.63	1.8	3288.22	1.4+01	3290.86	1.5	3293.42	1.5
3280.00	4.8+00	3282.90	4.2	3285.70	1.8	3288.25	1.5	3290.90	1.5	3293.49	1.2
3280.10	1.3+01	3282.98	1.4+01	3285.74	1.8	3288.27	1.5	3290.94	1.3	3293.56	1.5
3280.18	1.2	3283.00	1.5	3285.78	1.7	3288.36	1.2	3291.00	4.2+00	3293.61	1.4
3280.28	3.8+00	3283.05	1.3	3285.82	1.8	3288.38	1.2	3291.10	1.1+01	3293.67	7.7+00
3280.34	9.9	3283.11	1.5	3285.91	1.3	3288.44	5.9+00	3291.14	9.8+00	3293.75	1.2+01
3280.46	1.5+01	3283.18	1.3	3285.97	1.2	3288.52	1.3+01	3291.25	1.4+01	3293.78	1.1
3280.50	1.4	3283.20	1.3	3286.00	7.7+00	3288.59	4.0+00	3291.30	1.4	3293.83	1.3
3280.58	1.5	3283.27	1.5	3286.04	5.2	3288.64	5.4	3291.36	1.5	3293.89	1.4
3280.65	1.3	3283.34	9.4+00	3286.14	1.5+01	3288.66	5.6	3291.39	1.4	3293.94	1.5
3280.70	8.6+00	3283.38	9.8	3286.17	1.5	3288.76	1.5+01	3291.44	1.2	3294.00	1.5
3280.74	9.7	3283.46	3.9	3286.22	1.4	3288.82	1.2	3291.52	1.4	3294.02	1.5
3280.78	8.1	3283.53	6.6	3286.26	1.3	3288.89	1.5	3291.55	1.4	3294.21	1.4
3280.83	1.2+01	3283.54	6.5	3286.34	1.5	3288.98	5.7+00	3291.58	1.5	3294.27	1.5
3280.88	1.4	3283.62	1.4+01	3286.39	1.4	3289.00	6.3	3291.62	1.5	3294.33	1.5
3280.93	1.5	3283.65	1.5	3286.46	6.5+00	3289.10	1.7+01	3291.73	9.8+00	3294.40	1.5
3281.00	1.4	3283.67	1.5	3286.50	8.7	3289.12	1.8	3291.74	9.0	3294.45	1.5
3281.02	1.4	3283.72	1.5	3286.53	8.7	3289.18	1.8	3291.78	7.4	3294.48	1.5
3281.06	1.5	3283.81	1.4	3286.57	9.5	3289.22	1.8	3291.85	1.4+01	3294.51	1.5
3281.14	1.0	3283.87	1.5	3286.63	5.6	3289.26	1.7	3291.90	1.4	3294.56	1.4
3281.20	1.1	3283.98	1.2	3286.67	5.4	3289.30	1.6	3291.94	1.3	3294.59	1.3

WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX
3294.63	1.1+01	3297.12	1.4+01	3299.72	1.4+01	3302.24	1.4+01	3304.90	9.5+00	3307.30	1.4+01
3294.69	1.3	3297.15	1.2	3299.77	1.2	3302.38	2.9+00	3304.95	6.2	3307.42	1.7
3294.73	1.1	3297.17	1.2	3299.84	1.6	3302.52	1.4+01	3305.00	1.2+01	3307.44	1.7
3294.77	1.2	3297.23	1.2	3299.88	1.5	3302.59	7.0+00	3305.02	1.2	3307.48	1.6
3294.85	9.9+00	3297.30	1.6	3299.94	1.7	3302.67	1.4+01	3305.05	1.0	3307.57	1.5
3294.90	1.0+01	3297.34	1.6	3300.00	1.6	3302.71	1.5	3305.07	1.0	3307.61	1.4
3294.94	8.6+00	3297.38	1.6	3300.03	1.7	3302.76	1.4	3305.14	5.1+00	3307.70	3.9+00
3295.00	1.2+01	3297.42	1.7	3300.10	1.6	3302.86	3.9+00	3305.27	1.5+01	3307.83	1.5+01
3295.02	1.2	3297.46	1.7	3300.16	1.5	3302.91	6.0	3305.30	1.5	3307.91	1.1
3295.06	1.2	3297.51	1.5	3300.23	1.7	3302.97	3.4	3305.38	1.7	3308.00	1.5
3295.12	8.8+00	3297.63	1.5	3300.30	1.7	3303.00	4.6	3305.41	1.7	3308.10	9.7+00
3295.19	1.3+01	3297.65	1.5	3300.35	1.7	3303.06	1.3+01	3305.45	1.7	3308.15	1.3+01
3295.25	9.2+00	3297.73	1.6	3300.42	1.7	3303.12	1.5	3305.48	1.7	3308.23	1.6
3295.31	1.4+01	3297.77	1.6	3300.47	1.6	3303.18	1.6	3305.54	1.6	3308.26	1.6
3295.35	1.5	3297.87	7.8+00	3300.54	1.7	3303.27	1.3	3305.63	1.3	3308.32	1.6
3295.44	7.0+00	3297.94	1.5+01	3300.59	1.7	3303.34	1.5	3305.68	1.3	3308.34	1.5
3295.50	1.4+01	3297.98	1.6	3300.67	1.5	3303.39	1.2	3305.76	8.5+00	3308.38	1.1
3295.55	1.5	3298.00	1.5	3300.70	1.5	3303.47	3.5+00	3305.79	9.0	3308.44	1.5
3295.61	1.4	3298.05	1.4	3300.75	1.6	3303.52	4.4	3305.87	3.9	3308.47	1.4
3295.70	1.5	3298.14	3.5+00	3300.80	1.6	3303.55	4.4	3305.90	4.3	3308.55	1.7
3295.75	1.4	3298.21	7.9	3300.86	1.6	3303.62	1.5+01	3305.98	1.9	3308.62	1.5
3295.83	4.5+00	3298.23	8.4	3300.92	1.5	3303.66	1.6	3306.00	2.4	3308.66	1.5
3295.91	1.4+01	3298.29	1.1+01	3300.96	1.6	3303.69	1.6	3306.06	4.6	3308.75	3.7+00
3295.97	1.6	3298.32	1.2	3301.00	1.6	3303.72	1.5	3306.08	4.9	3308.79	3.1
3296.00	1.5	3298.37	1.4	3301.02	1.6	3303.78	1.4	3306.14	9.7	3308.88	1.3+01
3296.04	1.4	3298.42	1.4	3301.08	1.7	3303.82	1.5	3306.20	1.0+01	3308.94	1.5
3296.10	1.6	3298.46	1.5	3301.16	1.5	3303.88	1.5	3306.28	3.1+00	3308.98	1.6
3296.14	1.7	3298.50	1.4	3301.22	7.4+00	3303.94	1.6	3306.35	1.8	3309.00	1.6
3296.19	1.5	3298.56	9.1+00	3301.30	1.5+01	3303.98	1.6	3306.45	5.6	3309.06	1.5
3296.26	1.0	3298.62	1.4+01	3301.34	1.6	3304.00	1.6	3306.48	4.7	3309.13	1.7
3296.34	1.3	3298.73	5.5+00	3301.38	1.5	3304.06	1.6	3306.54	9.8	3309.19	1.7
3296.37	1.3	3298.81	1.5+01	3301.43	1.2	3304.13	1.3	3306.58	7.1	3309.23	1.7
3296.39	1.2	3298.85	1.5	3301.52	1.6	3304.16	1.3	3306.66	1.4+01	3309.35	1.5
3296.42	1.2	3298.91	1.7	3301.58	1.5	3304.24	7.6+00	3306.69	1.4	3309.42	8.0+00
3296.48	7.3+00	3298.97	1.7	3301.62	1.5	3304.31	1.3+01	3306.73	1.4	3309.43	8.3
3296.56	1.5+01	3299.00	1.6	3301.68	7.7+00	3304.37	9.4+00	3306.76	1.4	3309.50	5.3
3296.61	1.5	3299.07	9.5+00	3301.76	1.4+01	3304.40	1.1+01	3306.82	1.5	3309.59	1.6+01
3296.66	1.7	3299.13	1.4+01	3301.80	1.4	3304.43	1.1	3306.88	1.1	3309.62	1.6
3296.72	1.6	3299.16	1.4	3301.82	1.4	3304.49	1.2	3306.91	1.2	3309.64	1.6
3296.76	1.5	3299.25	1.7	3301.88	1.2	3304.54	1.4	3307.00	4.7+00	3309.71	1.3
3296.84	7.2+00	3299.36	1.2	3301.92	9.2+00	3304.59	1.2	3307.02	4.2	3309.78	1.7
3296.88	8.0	3299.43	4.6+00	3301.98	1.5+01	3304.67	1.5	3307.10	9.5	3309.82	1.6
3296.96	1.5+01	3299.50	7.4	3302.00	1.5	3304.75	1.2	3307.15	4.9	3309.88	1.6
3297.00	1.6	3299.61	1.5+01	3302.04	1.4	3304.81	1.4	3307.19	5.9	3309.93	1.7
3297.06	1.2	3299.68	1.2	3302.12	4.6+00	3304.87	9.5+00	3307.23	4.6	3310.00	1.4

WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX
3310.02	1.3+01	3312.37	1.2+01	3314.65	1.3+01	3317.31	1.2+01	3319.70	1.2+01	3322.40	9.6+00
3310.06	1.4	3312.40	1.2	3314.74	4.0+00	3317.36	9.8+00	3319.73	1.2	3322.47	4.6
3310.14	1.2	3312.46	1.4	3314.81	9.3	3317.42	1.4+01	3319.82	7.9+00	3322.55	1.3+01
3310.18	5.6+00	3312.48	1.5	3314.84	8.7	3317.46	1.5	3319.84	8.0	3322.58	1.3
3310.25	1.2+01	3312.57	7.5+00	3314.93	1.5+01	3317.50	1.5	3319.87	7.4	3322.65	1.0
3310.32	4.6+00	3312.61	8.4	3314.97	1.6	3317.57	9.9+00	3319.95	1.1+01	3322.69	1.0
3310.40	1.3+01	3312.65	5.7	3315.00	1.5	3317.64	1.4+01	3320.00	1.4	3322.76	1.2
3310.47	6.0+00	3312.74	1.5+01	3315.03	1.3	3317.67	1.5	3320.06	1.6	3322.90	2.4+00
3310.54	1.3+01	3312.77	1.5	3315.10	1.4	3317.75	1.6	3320.09	1.6	3322.93	1.8
3310.62	7.3+00	3312.80	1.3	3315.16	1.0	3317.82	1.5	3320.15	1.2	3322.95	1.8
3310.70	1.5+01	3312.85	1.3	3315.20	1.1	3317.85	1.5	3320.25	2.8+00	3323.00	3.2
3310.74	1.5	3312.89	1.1	3315.31	3.1+00	3317.90	1.3	3320.36	1.2+01	3323.02	4.3
3310.79	1.4	3312.93	1.0	3315.37	6.5	3318.00	2.9+00	3320.44	1.4	3323.06	4.3
3310.86	9.5+00	3312.97	6.5+00	3315.39	6.5	3318.09	1.2+01	3320.47	1.3	3323.18	1.3+01
3310.96	1.5+01	3313.00	8.6	3315.48	1.2+01	3318.14	1.3	3320.51	1.3	3323.24	1.4
3310.98	1.5	3313.02	9.9	3315.55	8.8+00	3318.18	1.3	3320.56	1.3	3323.27	1.4
3311.00	1.4	3313.05	1.0+01	3315.65	2.3	3318.23	1.5	3320.64	4.9+00	3323.30	1.4
3311.02	1.4	3313.10	1.2	3315.75	1.1+01	3318.34	9.4+00	3320.71	7.1	3323.38	7.6+00
3311.08	1.0	3313.13	1.2	3315.80	1.4	3318.36	9.8	3320.76	5.2	3323.46	1.3+01
3311.14	1.2	3313.21	1.6	3315.88	1.5	3318.45	1.4+01	3320.88	1.6+01	3323.52	9.8+00
3311.18	1.1	3313.27	1.7	3315.92	1.4	3318.50	1.2	3320.98	1.7	3323.60	1.5+01
3311.23	1.4	3313.33	1.7	3315.98	1.4	3318.55	1.4	3321.00	1.7	3323.73	4.0+00
3311.28	1.4	3313.40	1.4	3316.00	1.5	3318.58	1.4	3321.03	1.7	3323.80	1.2+01
3311.33	1.3	3313.46	1.5	3316.04	1.5	3318.66	1.5	3321.06	1.7	3323.84	1.4
3311.38	1.3	3313.54	1.1	3316.10	1.5	3318.70	1.5	3321.10	1.7	3323.89	1.3
3311.40	1.3	3313.57	1.0	3316.18	1.3	3318.74	1.1	3321.23	1.1	3323.92	1.3
3311.42	1.2	3313.61	7.9+00	3316.25	1.4	3318.79	1.4	3321.30	1.6	3324.00	6.5+00
3311.48	1.6	3313.66	9.9	3316.32	1.1	3318.83	1.4	3321.33	1.6	3324.05	4.3
3311.51	1.6	3313.69	9.1	3316.35	1.2	3318.90	1.4	3321.38	1.5	3324.19	1.6+01
3311.54	1.6	3313.75	1.5+01	3316.41	1.0	3318.93	1.5	3321.41	1.4	3324.23	1.6
3311.58	1.6	3313.80	1.6	3316.50	1.3	3318.96	1.4	3321.46	1.4	3324.25	1.5
3311.62	1.6	3313.83	1.4	3316.54	1.1	3319.00	8.7+00	3321.52	1.0	3324.35	6.1+00
3311.68	1.5	3313.88	9.2+00	3316.58	1.2	3319.04	5.4	3321.57	9.4+00	3324.44	1.4+01
3311.75	1.6	3313.91	9.2	3316.62	1.0	3319.06	4.9	3321.62	1.1+01	3324.53	5.3+00
3311.77	1.6	3313.98	4.5	3316.66	1.2	3319.12	7.9	3321.69	4.0+00	3324.60	1.4+01
3311.90	6.2+00	3314.00	5.6	3316.71	1.0	3319.15	7.9	3321.78	1.5+01	3324.67	9.1+00
3311.98	1.3+01	3314.02	5.9	3316.78	1.3	3319.18	8.7	3321.86	1.6	3324.73	1.3+01
3312.00	1.4	3314.04	5.5	3316.82	1.1	3319.24	4.5	3321.90	1.5	3324.77	9.3+00
3312.06	1.3	3314.14	1.1+01	3316.94	1.5	3319.31	9.3	3321.96	1.6	3324.87	1.7+01
3312.08	1.3	3314.18	9.9+00	3317.00	1.1	3319.34	9.7	3322.00	1.6	3324.90	1.7
3312.14	5.1+00	3314.25	1.5+01	3317.02	8.9+00	3319.40	1.1+01	3322.08	1.6	3325.00	1.2
3312.17	4.7	3314.42	3.7+00	3317.04	8.7	3319.47	5.8+00	3322.12	1.5	3325.11	1.5
3312.19	5.0	3314.48	5.7	3317.10	4.7	3319.53	7.2	3322.20	6.8+00	3325.16	1.5
3312.24	8.9	3314.50	5.7	3317.18	1.2+01	3319.61	1.2+01	3322.23	6.7	3325.18	1.4
3312.30	5.1	3314.56	1.0+01	3317.24	7.7+00	3319.63	1.2	3322.31	3.2	3325.25	7.9+00

WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX
3325.30	1.2+01	3327.92	9.1+00	3330.60	1.0+01	3333.18	1.3+01	3335.77	4.2+00	3338.76	1.0+01
3325.37	1.4	3327.94	9.2	3330.65	9.2+00	3333.20	1.3	3335.88	1.0+01	3338.88	1.6
3325.46	5.3+00	3328.00	1.2+01	3330.73	1.1+01	3333.27	1.4	3335.91	9.4+00	3338.92	1.6
3325.54	1.3+01	3328.05	1.5	3330.76	1.1	3333.31	1.3	3336.00	1.5+01	3338.97	1.6
3325.57	1.3	3328.09	1.6	3330.84	1.3	3333.38	7.0+00	3336.03	1.5	3339.00	1.4
3325.62	1.5	3328.13	1.5	3330.90	8.8+00	3333.48	1.4+01	3336.06	1.5	3339.04	9.5+00
3325.64	1.6	3328.20	1.1	3331.00	1.4+01	3333.50	1.4	3336.13	1.0	3339.12	1.5+01
3325.69	1.6	3328.24	1.2	3331.12	1.5	3333.59	7.3+00	3336.19	1.2	3339.20	6.8+00
3325.73	1.5	3328.34	5.1+00	3331.16	1.5	3333.66	1.1+01	3336.27	4.2+00	3339.26	1.4+01
3325.82	1.6	3328.42	1.1+01	3331.18	1.4	3333.71	9.7+00	3336.33	3.8	3339.29	1.4
3325.89	1.5	3328.46	9.7+00	3331.24	1.2	3333.78	1.2+01	3336.40	9.9	3339.39	1.8
3325.94	1.6	3328.54	1.5+01	3331.34	1.4	3333.80	1.2	3336.44	1.1+01	3339.49	1.6
3326.00	1.6	3328.58	1.5	3331.39	1.4	3333.85	1.3	3336.50	7.8+00	3339.58	7.3+00
3326.13	1.6	3328.60	1.5	3331.46	1.5	3333.97	1.2	3336.58	6.1	3339.63	1.2+01
3326.20	1.4	3328.64	1.5	3331.48	1.5	3334.00	1.2	3336.69	1.8	3339.68	8.4+00
3326.24	1.4	3328.71	6.3+00	3331.54	1.3	3334.02	1.3	3336.90	1.1+01	3339.73	1.1+01
3326.29	1.4	3328.78	1.1+01	3331.60	5.2+00	3334.06	1.1	3337.00	6.8+00	3339.80	3.6+00
3326.34	1.4	3328.86	4.5+00	3331.69	1.2+01	3334.13	2.7+00	3337.10	1.5+01	3339.88	7.5
3326.41	1.1	3328.93	1.2+01	3331.76	6.1+00	3334.17	2.4	3337.20	8.5+00	3339.94	1.5+01
3326.48	1.4	3328.95	1.2	3331.85	1.2+01	3334.23	3.8	3337.28	1.5+01	3339.98	1.6
3326.59	7.9+00	3329.00	9.6+00	3331.93	9.1+00	3334.33	1.3+01	3337.31	1.6	3340.00	1.4
3326.62	7.6	3329.04	6.0	3331.95	9.2	3334.38	1.4	3337.35	1.5	3340.03	1.3
3326.69	3.3	3329.16	1.4+01	3332.00	7.3	3334.41	1.4	3337.39	1.4	3340.10	1.4
3326.77	2.1	3329.22	1.4	3332.09	2.1	3334.47	9.6+00	3337.43	1.4	3340.18	1.3
3326.81	3.8	3329.27	1.3	3332.13	1.6	3334.56	1.2+01	3337.50	1.1	3340.31	3.1+00
3326.84	3.9	3329.31	1.0	3332.17	2.2	3334.63	9.2+00	3337.57	1.5	3340.34	2.5
3326.93	1.1+01	3329.42	2.7+00	3332.23	6.0	3334.66	1.0+01	3337.59	1.5	3340.37	2.9
3326.98	8.2+00	3329.46	1.7	3332.32	8.5	3334.71	8.3+00	3337.69	5.7+00	3340.48	1.1+01
3327.00	9.5	3329.50	2.6	3332.41	1.3+01	3334.79	1.3+01	3337.76	1.4+01	3340.56	4.2+00
3327.06	1.5+01	3329.60	1.1+01	3332.45	1.3	3334.85	1.4	3337.86	5.3+00	3340.64	1.1+01
3327.08	1.5	3329.63	1.1	3332.50	1.4	3334.89	1.4	3337.98	1.6+01	3340.67	1.0
3327.11	1.4	3329.67	1.2	3332.54	1.3	3334.93	1.2	3338.00	1.6	3340.78	1.4
3327.15	1.2	3329.75	8.9+00	3332.58	1.4	3335.00	1.4	3338.03	1.7	3340.90	8.5+00
3327.24	1.5	3329.79	1.0+01	3332.62	1.4	3335.02	1.5	3338.11	1.2	3340.96	1.4+01
3327.29	1.4	3329.93	2.4+00	3332.66	1.4	3335.17	2.9+00	3338.18	1.5	3341.00	1.4
3327.32	1.4	3330.00	8.8	3332.70	1.4	3335.20	2.2	3338.23	1.5	3341.02	1.4
3327.40	5.8+00	3330.02	1.0+01	3332.74	1.4	3335.23	2.6	3338.29	1.6	3341.12	1.4
3327.44	8.6	3330.06	1.1	3332.82	9.8+00	3335.26	5.3	3338.34	1.4	3341.15	1.4
3327.49	6.0	3330.15	1.3	3332.91	1.3+01	3335.30	5.6	3338.38	1.4	3341.23	1.5
3327.56	1.2+01	3330.22	7.3+00	3332.95	1.4	3335.36	1.1+01	3338.42	1.3	3341.36	1.1
3327.60	1.2	3330.28	5.9	3333.00	1.2	3335.42	8.0+00	3338.46	1.4	3341.42	1.4
3327.68	1.5	3330.38	1.3+01	3333.02	1.2	3335.48	1.1+01	3338.52	1.0	3341.50	1.4
3327.75	1.5	3330.40	1.4	3333.05	1.2	3335.53	7.9+00	3338.55	1.1	3341.51	1.4
3327.79	1.4	3330.50	1.2	3333.10	1.0	3335.63	1.5+01	3338.62	6.1+00	3341.63	1.3
3327.87	5.6+00	3330.54	1.2	3333.16	1.3	3335.73	5.2+00	3338.70	1.4+01	3341.70	1.1

WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX
3341.72	1.0+01	3344.39	1.4+01	3347.53	1.1+01	3350.48	7.5+00	3353.22	1.1+01	3356.00	1.7+01
3341.86	1.9+00	3344.42	1.4	3347.58	1.3	3350.52	6.1	3353.28	7.5+00	3356.02	1.7
3341.88	1.6	3344.53	5.9+00	3347.64	1.3	3350.60	1.4+01	3353.37	1.5+01	3356.05	1.5
3341.94	2.9	3344.67	1.5+01	3347.72	1.5	3350.65	1.5	3353.42	1.3	3356.11	8.5+00
3342.00	7.7	3344.74	1.3	3347.77	1.3	3350.72	1.6	3353.48	1.5	3356.19	1.5+01
3342.08	1.1+01	3344.81	1.0	3347.86	3.8+00	3350.81	1.5	3353.53	1.5	3356.26	1.2
3342.16	5.0+00	3344.85	1.1	3347.90	5.8	3350.87	1.4	3353.57	1.4	3356.28	1.2
3342.19	4.4	3344.95	5.1+00	3347.95	4.4	3350.92	1.4	3353.63	9.7+00	3356.35	5.9+00
3342.23	2.9	3345.00	6.4	3348.00	1.1+01	3350.98	1.3	3353.67	8.6	3356.38	6.5
3342.27	4.0	3345.02	5.8	3348.05	1.4	3351.00	1.4	3353.74	3.5	3356.42	4.7
3342.30	4.0	3345.09	1.3+01	3348.14	9.2+00	3351.02	1.4	3353.83	1.3+01	3356.49	1.2+01
3342.44	1.3+01	3345.15	1.5	3348.23	1.5+01	3351.08	1.2	3353.87	1.4	3356.56	1.4
3342.48	1.3	3345.24	1.6	3348.30	1.6	3351.13	1.3	3353.93	1.3	3356.62	1.4
3342.52	1.1	3345.29	1.6	3348.36	1.6	3351.17	1.3	3353.98	1.4	3356.71	7.4+00
3342.60	3.7+00	3345.32	1.5	3348.47	1.5	3351.21	1.4	3354.00	1.4	3356.82	1.6+01
3342.69	9.3	3345.38	1.3	3348.57	1.3	3351.25	1.4	3354.07	5.7+00	3356.87	1.6
3342.72	9.0	3345.46	1.5	3348.61	1.4	3351.31	1.5	3354.16	1.3+01	3356.92	1.7
3342.76	9.8	3345.54	1.2	3348.65	1.4	3351.35	1.4	3354.22	1.2	3356.95	1.8
3342.86	1.5+01	3345.59	7.5+00	3348.71	1.2	3351.39	1.4	3354.28	1.3	3356.98	1.8
3342.92	1.3	3345.78	1.6+01	3348.75	1.2	3351.44	1.4	3354.31	1.2	3357.00	1.8
3342.98	1.5	3345.84	1.4	3348.87	2.7+00	3351.46	1.3	3354.39	4.3+00	3357.04	1.8
3343.00	1.4	3345.88	1.4	3348.94	5.6	3351.54	5.1+00	3354.50	1.4+01	3357.14	1.6
3343.04	1.3	3345.94	1.3	3349.00	3.3	3351.67	1.3+01	3354.55	1.1	3357.19	1.6
3343.13	1.5	3345.98	1.3	3349.05	1.5	3351.76	5.6+00	3354.58	1.1	3357.23	1.5
3343.17	1.4	3346.00	1.2	3349.15	5.1	3351.83	1.4+01	3354.65	4.4+00	3357.30	7.4+00
3343.25	8.5+00	3346.03	1.0	3349.19	5.6	3351.87	1.4	3354.72	1.3+01	3357.37	1.3+01
3343.32	1.2+01	3346.12	1.5	3349.25	4.9	3351.98	6.1+00	3354.78	1.6	3357.43	8.8+00
3343.35	1.2	3346.16	1.3	3349.37	1.4	3352.00	6.2	3354.83	1.6	3357.52	1.6+01
3343.43	1.5	3346.23	1.5	3349.43	1.0	3352.06	4.1	3354.90	1.3	3357.60	1.2
3343.47	1.5	3346.30	1.3	3349.61	5.7	3352.16	1.3+01	3354.97	1.5	3357.68	1.6
3343.55	1.3	3346.35	1.5	3349.66	6.4	3352.25	1.5	3355.00	1.6	3357.77	1.1
3343.60	1.4	3346.44	1.1	3349.72	8.6	3352.31	1.5	3355.06	1.6	3357.81	1.4
3343.68	7.0+00	3346.52	1.5	3349.74	8.5	3352.39	1.5	3355.12	1.5	3357.85	1.4
3343.71	6.6	3346.59	1.4	3349.80	1.1+01	3352.46	1.5	3355.24	5.0+00	3357.92	1.7
3343.77	3.1	3346.67	1.1	3349.89	1.3	3352.52	1.5	3355.34	1.6+01	3358.00	1.6
3343.87	1.2+01	3346.77	3.1+00	3349.93	1.3	3352.58	1.5	3355.42	1.7	3358.08	9.8+00
3343.94	1.5	3346.86	1.2+01	3349.96	1.3	3352.66	1.3	3355.46	1.7	3358.15	1.5+01
3344.00	1.5	3346.94	5.3+00	3350.00	1.3	3352.72	1.4	3355.54	1.1	3358.19	1.5
3344.03	1.6	3347.00	1.1+01	3350.04	1.3	3352.82	1.3	3355.62	1.7	3358.31	5.6+00
3344.10	1.3	3347.10	1.5	3350.14	1.1	3352.87	1.3	3355.64	1.8	3358.39	1.1+01
3344.13	1.4	3347.19	1.6	3350.24	3.7+00	3352.94	7.4+00	3355.67	1.7	3358.53	3.9+00
3344.19	1.2	3347.25	1.6	3350.29	4.7	3353.00	1.2+01	3355.76	1.7	3358.62	1.1+01
3344.26	1.5	3347.29	1.6	3350.34	6.1	3353.02	1.2	3355.83	1.6	3358.65	9.5+00
3344.29	1.5	3347.35	1.5	3350.39	4.5	3353.06	1.2	3355.90	1.7	3358.67	9.3
3344.34	1.5	3347.43	1.5	3350.42	4.8	3353.13	5.1+00	3355.96	1.6	3358.71	8.4

WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX
3358.78	1.1+01	3361.37	5.3+00	3364.14	2.0+01	3367.30	1.2+01	3370.19	1.2+01	3373.45	1.2+01
3358.81	1.1	3361.42	5.6	3364.26	9.1+00	3367.36	1.3	3370.25	1.4	3373.49	1.1
3358.84	1.2	3361.46	5.6	3364.34	1.5+01	3367.44	8.3+00	3370.33	6.9+00	3373.57	1.8
3358.92	7.1+00	3361.52	4.1	3364.39	1.4	3367.50	9.9	3370.39	1.1+01	3373.69	1.9
3358.98	1.1+01	3361.58	2.6	3364.49	2.0	3367.54	9.6	3370.44	6.0+00	3373.72	1.9
3359.00	1.1	3361.70	1.3+01	3364.62	6.9+00	3367.61	1.2+01	3370.53	1.6+01	3373.77	1.8
3359.02	9.3+00	3361.79	4.6+00	3364.70	1.5+01	3367.67	9.3+00	3370.63	1.0	3373.80	1.8
3359.06	7.9	3361.82	5.1	3364.73	1.5	3367.76	1.1+01	3370.71	1.3	3373.87	8.9+00
3359.13	4.6	3361.87	4.5	3364.85	2.0	3367.84	7.9+00	3370.81	3.0+00	3373.91	1.0+01
3359.23	8.5	3361.90	4.6	3364.91	2.0	3367.90	3.9	3370.89	8.2	3373.97	7.1+00
3359.31	5.9	3361.94	3.6	3364.95	1.9	3367.96	8.3	3370.93	8.7	3374.00	9.6
3359.37	1.1+01	3362.00	9.8	3365.00	1.7	3368.00	5.9	3370.96	8.2	3374.07	1.5+01
3359.44	6.1+00	3362.06	1.6+01	3365.03	1.6	3368.06	2.4	3371.00	9.4	3374.22	3.0+00
3359.47	7.0	3362.15	6.7+00	3365.07	1.6	3368.14	6.7	3371.06	1.3+01	3374.30	7.4
3359.52	4.3	3362.21	9.8	3365.14	1.6	3368.18	5.9	3371.10	1.2	3374.35	4.8
3359.60	1.1+01	3362.28	6.3	3365.21	1.4	3368.31	1.5+01	3371.15	1.1	3374.40	1.0+01
3359.67	3.7+00	3362.36	1.4+01	3365.27	1.6	3368.36	1.5	3371.23	1.6	3374.44	8.3+00
3359.71	2.6	3362.39	1.3	3365.30	1.7	3368.42	1.6	3371.30	9.4+00	3374.53	1.5+01
3359.78	4.6	3362.48	2.0	3365.35	1.7	3368.49	1.5	3371.35	1.0+01	3374.64	4.6+00
3359.82	5.4	3362.54	2.1	3365.46	1.1	3368.54	1.3	3371.46	4.3+00	3374.70	8.5
3359.90	1.3+01	3362.66	9.3+00	3365.52	1.4	3368.58	1.4	3371.56	1.6+01	3374.72	8.5
3359.96	6.5+00	3362.72	1.2+01	3365.55	1.3	3368.72	8.8+00	3371.62	1.4	3374.80	1.5+01
3360.00	6.8	3362.82	5.9+00	3365.64	1.6	3368.76	9.5	3371.66	1.5	3374.84	1.4
3360.09	4.2	3362.90	1.6+01	3365.78	3.0+00	3368.82	8.1	3371.73	1.1	3374.88	1.4
3360.20	5.5	3362.92	1.7	3365.89	1.3+01	3368.87	1.1+01	3371.84	1.7	3374.93	1.2
3360.23	5.6	3362.98	1.5	3365.95	1.5	3368.95	2.9+00	3371.94	9.4+00	3375.00	1.5
3360.27	5.9	3363.00	1.5	3366.00	1.5	3369.00	6.2	3372.00	2.1	3375.02	1.3
3360.32	3.5	3363.07	2.0	3366.04	1.5	3369.02	7.2	3372.06	3.0	3375.09	1.2
3360.45	1.4+01	3363.13	1.9	3366.18	2.6+00	3369.05	6.9	3372.15	1.4	3375.17	1.4
3360.52	7.5+00	3363.18	1.9	3366.28	1.3+01	3369.10	8.5	3372.22	2.8	3375.28	1.4
3360.57	6.9	3363.22	1.9	3366.32	1.5	3369.16	5.1	3372.30	1.3+01	3375.34	1.2
3360.62	7.3	3363.30	1.2	3366.36	1.4	3369.21	4.5	3372.35	9.0+00	3375.44	1.4
3360.68	8.6	3363.32	1.1	3366.42	1.5	3369.30	1.0+01	3372.41	1.3+01	3375.50	1.3
3360.70	8.4	3363.36	1.1	3366.47	1.4	3369.38	7.5+00	3372.47	1.0	3375.56	7.4+00
3360.77	1.3+01	3363.40	9.5+00	3366.52	1.5	3369.46	5.5	3372.54	1.2	3375.68	1.1+01
3360.83	9.4+00	3363.51	2.0+01	3366.55	1.6	3369.55	1.4	3372.76	1.6+00	3375.72	1.1
3360.87	1.1+01	3363.62	8.3+00	3366.62	1.7	3369.59	1.2	3372.80	1.4	3375.82	1.4
3360.94	5.5+00	3363.66	1.2+01	3366.69	1.6	3369.74	8.1	3373.00	1.0+01	3375.87	1.4
3360.98	5.5	3363.71	7.6+00	3366.82	2.9+00	3369.78	7.7	3373.10	1.5	3375.91	1.4
3361.00	5.1	3363.78	1.2+01	3366.87	3.8	3369.86	1.2+01	3373.16	1.5	3375.98	1.3
3361.02	4.9	3363.81	1.0	3366.94	1.2+01	3369.91	9.7+00	3373.22	1.2	3376.00	1.2
3361.06	6.2	3363.87	1.6	3367.00	1.2	3369.96	1.2+01	3373.26	1.2	3376.04	1.1
3361.20	1.5	3363.92	1.2	3367.03	1.2	3370.00	1.2	3373.31	1.1	3376.16	1.4
3361.24	1.3	3363.97	1.4	3367.12	3.1+00	3370.02	1.3	3373.36	1.2	3376.32	5.9+00
3361.30	1.9	3364.00	1.4	3367.25	1.4+01	3370.10	1.6	3373.40	1.1	3376.42	1.0+01

WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX
3376.49	6.4+00	3379.54	1.3+01	3382.42	4.6+00	3385.38	1.3+01	3388.26	9.8+00	3390.85	1.5+01
3376.57	1.3+01	3379.60	1.4	3382.56	1.4+01	3385.45	7.4+00	3388.30	7.1	3391.00	4.9+00
3376.63	1.3	3379.68	1.3	3382.62	1.2	3385.50	9.6	3388.39	1.4+01	3391.06	2.1
3376.71	1.3	3379.74	1.1	3382.69	4.8+00	3385.56	6.6	3388.48	1.0	3391.19	1.2+01
3376.77	1.3	3379.84	3.5+00	3382.78	1.5+01	3385.62	1.1+01	3388.55	1.4	3391.24	1.4
3376.83	1.3	3379.89	5.9	3382.84	1.6	3385.67	6.9+00	3388.63	6.8+00	3391.30	1.4
3376.91	1.5	3379.92	5.5	3382.90	1.3	3385.82	1.5+01	3388.68	9.7	3391.37	1.1
3377.00	1.4	3380.00	1.2+01	3382.94	1.4	3385.95	5.3+00	3388.76	4.9	3391.44	6.2+00
3377.07	9.8+00	3380.04	1.2	3382.99	1.1	3386.00	1.1+01	3388.84	1.2+01	3391.54	1.6+01
3377.18	1.4+01	3380.12	3.7+00	3383.00	1.1	3386.04	1.5	3388.91	1.4	3391.60	1.3
3377.22	1.4	3380.18	6.9	3383.07	1.7	3386.08	1.5	3388.98	8.6+00	3391.67	1.7
3377.28	1.2	3380.29	2.1	3383.10	1.8	3386.12	1.5	3389.00	1.1+01	3391.72	1.8
3377.34	1.4	3380.40	6.0	3383.16	1.8	3386.20	1.2	3389.07	1.5	3391.74	1.8
3377.39	1.3	3380.58	1.3	3383.25	1.7	3386.24	1.3	3389.13	1.3	3391.78	1.7
3377.49	4.3+00	3380.69	3.9	3383.32	1.5	3386.40	1.4	3389.15	1.3	3391.86	1.3
3377.54	6.2	3380.74	4.2	3383.38	1.2	3386.46	1.3	3389.18	1.2	3391.89	1.4
3377.58	4.5	3380.81	6.6	3383.44	1.4	3386.50	1.3	3389.25	1.0	3392.00	3.9+00
3377.66	1.3+01	3380.89	2.8	3383.58	7.5+00	3386.55	1.2	3389.30	1.1	3392.02	4.2
3377.74	1.5	3380.97	9.8	3383.61	7.3	3386.67	1.5	3389.32	1.1	3392.10	1.2+01
3377.86	1.5	3381.00	1.1+01	3383.70	2.1	3386.74	1.3	3389.36	1.2	3392.13	1.1
3377.92	1.3	3381.02	1.1	3383.74	1.5	3386.79	1.3	3389.41	1.0	3392.21	1.5
3377.98	7.9+00	3381.08	1.0	3383.77	1.5	3386.84	1.4	3389.50	1.6	3392.32	4.6+00
3378.00	9.6	3381.13	8.0+00	3383.91	5.8	3386.90	1.4	3389.60	1.6	3392.43	1.5+01
3378.04	1.3+01	3381.24	1.4+01	3383.99	3.0	3386.96	1.5	3389.69	1.5	3392.50	1.3
3378.11	1.4	3381.36	6.3+00	3384.00	3.3	3387.00	1.5	3389.76	6.6+00	3392.56	1.1
3378.19	1.2	3381.43	1.5+01	3384.15	1.5+01	3387.03	1.5	3389.83	1.4+01	3392.67	2.5+00
3378.24	1.3	3381.49	1.6	3384.20	1.6	3387.08	1.5	3389.90	1.6	3392.76	7.2
3378.33	5.2+00	3381.52	1.6	3384.24	1.5	3387.11	1.5	3389.96	1.5	3392.83	7.9
3378.44	1.3+01	3381.60	1.8	3384.26	1.5	3387.18	1.4	3389.99	1.5	3393.00	1.6
3378.48	1.4	3381.64	1.7	3384.29	1.5	3387.24	1.5	3390.00	1.6	3393.02	1.5
3378.53	1.3	3381.67	1.7	3384.32	1.5	3387.32	8.9+00	3390.04	1.6	3393.10	4.6
3378.59	9.7+00	3381.69	1.7	3384.40	1.6	3387.36	8.8	3390.15	1.6	3393.12	4.8
3378.62	9.5	3381.73	1.7	3384.49	1.8	3387.42	4.7	3390.20	1.7	3393.24	1.1+01
3378.70	3.0	3381.78	1.7	3384.53	1.8	3387.54	1.2+01	3390.27	1.5	3393.30	8.2+00
3378.74	3.5	3381.81	1.7	3384.65	1.3	3387.63	5.4+00	3390.32	1.6	3393.34	9.3
3378.81	7.9	3381.88	1.6	3384.69	1.4	3387.69	7.0	3390.36	1.6	3393.39	7.4
3378.87	6.0	3381.92	1.7	3384.76	9.2+00	3387.74	6.6	3390.41	1.4	3393.50	1.7+01
3378.94	9.0	3382.00	1.2	3384.84	1.7+01	3387.84	2.2	3390.48	1.7	3393.62	8.7+00
3379.00	4.6	3382.06	1.5	3384.89	1.8	3387.87	2.8	3390.54	1.5	3393.73	1.7+01
3379.02	4.1	3382.10	1.5	3384.98	1.7	3387.97	1.1+01	3390.56	1.5	3393.78	1.6
3379.12	1.2+01	3382.15	1.6	3385.00	1.4	3388.00	1.2	3390.62	1.3	3393.86	5.2+00
3379.20	5.5+00	3382.22	1.2	3385.04	1.1	3388.03	1.2	3390.65	1.3	3393.90	6.4
3379.29	1.2+01	3382.26	1.3	3385.14	1.4	3388.08	1.2	3390.70	1.2	3393.92	6.5
3379.38	4.9+00	3382.33	8.8+00	3385.23	4.7+00	3388.10	1.1	3390.75	1.3	3394.00	1.5+01
3379.50	1.3+01	3382.35	9.0	3385.31	1.2+01	3388.18	3.7+00	3390.78	1.2	3394.02	1.6

WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX
3394.10	8.6+00	3397.08	1.3+01	3399.80	1.1+01	3402.52	1.1+01	3405.13	2.0+00	3407.98	1.2+01
3394.16	1.6+01	3397.13	1.4	3399.89	1.6	3402.56	1.1	3405.16	2.8	3408.00	1.2
3394.19	1.7	3397.22	8.8+00	3399.92	1.6	3402.65	1.5	3405.25	1.3+01	3408.05	1.2
3394.23	1.6	3397.30	1.4+01	3399.97	1.6	3402.68	1.6	3405.31	1.6	3408.09	1.2
3394.31	5.6+00	3397.35	1.5	3400.00	1.5	3402.73	1.5	3405.35	1.5	3408.16	1.4
3394.35	8.3	3397.44	1.1	3400.08	1.5	3402.81	1.3	3405.44	1.7	3408.21	1.5
3394.38	8.7	3397.49	1.2	3400.14	1.4	3402.84	1.3	3405.54	1.5	3408.25	1.6
3394.45	1.2+01	3397.56	6.8+00	3400.23	1.5	3402.91	1.1	3405.59	1.0	3408.33	1.7
3394.59	2.6+00	3397.59	7.5	3400.29	1.6	3402.99	1.5	3405.66	1.6	3408.39	1.7
3394.71	1.2+01	3397.64	5.5	3400.35	1.6	3403.00	1.5	3405.72	1.7	3408.42	1.7
3394.74	1.3	3397.73	1.3+01	3400.41	1.5	3403.08	1.5	3405.75	1.7	3408.53	1.6
3394.81	1.6	3397.81	1.1	3400.46	1.5	3403.20	1.1	3405.78	1.6	3408.57	1.6
3394.92	1.8	3397.93	1.5	3400.48	1.5	3403.28	3.1+00	3405.84	8.2+00	3408.62	1.6
3394.98	1.8	3397.96	1.6	3400.54	1.5	3403.34	2.5	3405.94	1.7+01	3408.78	3.7+00
3395.00	1.6	3398.00	1.6	3400.58	1.5	3403.35	2.9	3405.99	1.6	3408.89	1.1+01
3395.02	1.4	3398.05	1.6	3400.64	1.0	3403.41	6.1	3406.00	1.6	3408.94	8.7+00
3395.09	1.0	3398.10	1.6	3400.74	1.6	3403.43	5.5	3406.05	1.7	3409.00	1.5+01
3395.20	1.4	3398.15	1.5	3400.78	1.6	3403.51	1.2+01	3406.15	1.3	3409.04	1.6
3395.26	1.0	3398.22	7.8+00	3400.86	1.4	3403.54	1.3	3406.23	1.6	3409.18	3.6+00
3395.31	8.3+00	3398.27	1.0+01	3400.90	1.4	3403.60	1.3	3406.27	1.6	3409.29	1.5+01
3395.39	3.0	3398.30	9.4+00	3400.93	1.4	3403.65	1.4	3406.31	1.7	3409.32	1.6
3395.53	1.4+01	3398.35	9.2	3400.99	9.6+00	3403.70	1.2	3406.45	6.1+00	3409.40	1.4
3395.63	9.6+00	3398.47	1.4+01	3401.00	9.8	3403.77	1.5	3406.53	1.4+01	3409.47	1.5
3395.70	1.2+01	3398.50	1.4	3401.06	1.4+01	3403.87	1.6	3406.57	1.2	3409.58	4.0+00
3395.76	9.9+00	3398.61	1.1	3401.17	7.0+00	3403.95	1.6	3406.67	1.7	3409.63	9.4
3395.85	1.3+01	3398.69	1.3	3401.28	1.4+01	3404.00	1.5	3406.81	3.6+00	3409.67	1.1+01
3395.94	1.0	3398.77	1.5	3401.35	1.3	3404.04	1.4	3406.90	1.0+01	3409.72	1.4
3396.00	7.5+00	3398.82	1.3	3401.40	1.4	3404.08	1.4	3406.96	1.6	3409.81	5.3+00
3396.01	7.5	3398.86	1.3	3401.53	3.7+00	3404.12	1.4	3406.99	1.6	3409.90	1.4+01
3396.11	1.1+01	3398.93	1.0	3401.64	1.2+01	3404.20	1.2	3407.00	1.6	3409.94	1.2
3396.18	6.7+00	3399.00	1.3	3401.67	1.2	3404.28	2.8+00	3407.02	1.6	3409.97	1.2
3396.24	1.1+01	3399.04	1.4	3401.72	1.2	3404.30	2.2	3407.07	1.4	3410.00	9.6+00
3396.31	8.8+00	3399.08	1.4	3401.77	1.0	3404.36	3.1	3407.12	1.5	3410.02	8.0
3396.34	8.8	3399.11	1.3	3401.82	1.2	3404.45	1.2+01	3407.22	4.2+00	3410.10	1.4+01
3396.37	8.2	3399.16	9.0+00	3401.87	1.2	3404.53	1.4	3407.28	6.6	3410.17	4.8+00
3396.46	1.3+01	3399.18	8.0	3401.90	1.3	3404.58	1.0	3407.32	5.5	3410.23	7.4
3396.49	1.3	3399.24	4.5	3401.93	1.3	3404.68	1.5	3407.37	7.0	3410.33	1.8+01
3396.56	1.4	3399.28	5.3	3401.97	1.4	3404.78	6.0+00	3407.48	1.8	3410.35	1.8
3396.65	1.2	3399.34	2.9	3402.00	1.4	3404.81	7.0	3407.56	3.8	3410.39	1.8
3396.73	1.5	3399.46	1.2+01	3402.02	1.4	3404.83	6.7	3407.64	1.2+01	3410.45	1.8
3396.78	1.5	3399.52	1.1	3402.09	1.3	3404.88	8.3	3407.70	1.4	3410.50	1.7
3396.82	1.4	3399.58	1.4	3402.17	1.2	3404.92	7.7	3407.76	1.3	3410.56	1.4
3396.86	1.4	3399.62	1.5	3402.27	4.0+00	3405.00	1.1+01	3407.81	1.0	3410.67	1.8
3396.97	4.3+00	3399.68	1.6	3402.35	9.3	3405.02	1.2	3407.90	1.2	3410.72	1.7
3397.00	6.4	3399.74	1.5	3402.44	4.0	3405.10	2.4+00	3407.95	1.2	3410.78	1.2

WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX
3410.82	1.1+01	3413.84	1.3+01	3417.00	1.1+01	3419.96	1.6+01	3422.74	2.9+00	3425.90	1.5+01
3410.90	6.2+00	3413.94	3.8+00	3417.06	9.3+00	3420.00	1.5	3422.82	8.8	3425.94	1.5
3410.98	1.3+01	3414.00	1.1+01	3417.13	3.1	3420.02	1.6	3422.88	7.1	3425.98	1.5
3411.00	1.3	3414.06	1.4	3417.19	6.7	3420.06	1.6	3422.97	1.4+01	3426.00	1.5
3411.07	1.2	3414.13	1.2	3417.23	5.5	3420.12	1.4	3423.00	1.5	3426.04	1.5
3411.13	8.9+00	3414.20	1.3	3417.30	1.1+01	3420.18	1.5	3423.07	1.5	3426.11	1.4
3411.23	1.7+01	3414.25	1.3	3417.41	1.5	3420.29	1.3	3423.11	1.5	3426.19	1.4
3411.26	1.7	3414.30	1.3	3417.45	1.5	3420.37	1.5	3423.16	1.4	3426.26	1.3
3411.35	6.3+00	3414.41	1.1	3417.51	1.5	3420.46	1.1	3423.25	1.3	3426.34	3.6+00
3411.46	1.8+01	3414.51	5.9+00	3417.56	1.5	3420.58	1.6	3423.39	1.4	3426.38	2.9
3411.50	1.8	3414.54	5.3	3417.66	1.1	3420.65	1.5	3423.45	1.4	3426.41	3.7
3411.58	1.8	3414.63	3.2	3417.69	1.1	3420.75	6.0+00	3423.54	1.0	3426.53	1.3+01
3411.61	1.7	3414.67	3.2	3417.82	3.0+00	3420.86	1.5+01	3423.58	9.4+00	3426.65	3.3+00
3411.64	1.7	3414.78	1.3	3417.94	1.3+01	3420.92	1.6	3423.74	1.8	3426.76	1.3+01
3411.69	1.6	3414.93	4.5	3417.98	1.3	3420.97	1.6	3423.96	1.2+01	3426.80	1.4
3411.74	1.7	3415.00	6.5	3418.00	1.4	3421.00	1.5	3424.00	1.1	3426.85	1.4
3411.78	1.8	3415.17	1.1+01	3418.04	1.4	3421.03	1.5	3424.10	1.4	3426.88	1.3
3411.83	1.7	3415.31	1.3	3418.08	1.4	3421.08	1.5	3424.19	1.1	3427.00	3.8+00
3411.86	1.6	3415.34	1.3	3418.18	6.5+00	3421.22	4.3+00	3424.22	9.7+00	3427.02	3.4
3411.90	1.6	3415.37	1.3	3418.29	1.4+01	3421.30	9.6	3424.31	3.5	3427.06	4.4
3411.93	1.6	3415.44	1.1	3418.35	1.5	3421.34	6.9	3424.42	1.2+01	3427.14	2.0
3411.98	1.5	3415.52	4.4+00	3418.41	1.4	3421.42	1.5+01	3424.48	1.2	3427.22	6.1
3412.00	1.6	3415.60	1.1+01	3418.52	3.7+00	3421.46	1.5	3424.53	9.0+00	3427.29	1.2+01
3412.04	1.8	3415.66	8.7+00	3418.64	1.3+01	3421.49	1.5	3424.59	1.3+01	3427.33	1.4
3412.12	1.8	3415.71	1.0+01	3418.66	1.4	3421.54	1.6	3424.62	1.3	3427.41	1.5
3412.16	1.6	3415.76	1.0	3418.70	1.4	3421.62	1.3	3424.68	1.4	3427.47	1.4
3412.26	1.3	3415.87	1.5	3418.74	1.3	3421.68	1.4	3424.72	1.4	3427.53	1.3
3412.35	3.7+00	3415.90	1.4	3418.78	1.4	3421.72	1.3	3424.78	1.5	3427.57	1.4
3412.43	1.3+01	3416.00	5.8+00	3418.87	7.9+00	3421.81	1.7	3424.85	1.2	3427.68	1.5
3412.47	1.6	3416.02	5.8	3419.00	1.5+01	3421.86	1.7	3424.90	1.5	3427.77	1.3
3412.50	1.6	3416.09	1.4+01	3419.02	1.5	3421.90	1.6	3424.94	1.4	3427.79	1.3
3412.65	4.0+00	3416.16	1.5	3419.06	1.5	3421.95	1.6	3425.00	7.9+00	3427.90	1.4
3412.73	1.6+01	3416.17	1.5	3419.14	8.1+00	3422.00	1.6	3425.04	4.9	3427.95	1.2
3412.80	1.7	3416.26	8.0+00	3419.23	1.5+01	3422.02	1.6	3425.13	1.4+01	3428.00	1.0
3412.89	1.5	3416.36	1.5+01	3419.26	1.6	3422.06	1.5	3425.18	1.5	3428.02	9.8+00
3412.96	1.6	3416.42	1.5	3419.30	1.5	3422.12	9.0+00	3425.25	1.5	3428.08	1.3+01
3413.00	1.5	3416.49	1.4	3419.36	1.6	3422.18	1.5+01	3425.26	1.5	3428.21	3.6+00
3413.14	3.1+00	3416.53	1.4	3419.42	1.5	3422.22	1.6	3425.38	1.4	3428.35	1.2+01
3413.24	1.1+01	3416.64	8.9+00	3419.53	1.6	3422.27	1.4	3425.51	1.4	3428.44	5.8+00
3413.33	1.2	3416.71	1.2+01	3419.60	1.5	3422.34	8.6+00	3425.59	7.5+00	3428.47	5.4
3413.48	2.8+00	3416.74	1.2	3419.63	1.4	3422.41	1.2+01	3425.67	1.5+01	3428.50	6.1
3413.60	1.2+01	3416.79	1.3	3419.71	6.8+00	3422.50	4.2+00	3425.72	1.5	3428.60	1.4+01
3413.67	9.7+00	3416.84	1.1	3419.79	1.4+01	3422.58	8.4	3425.77	1.5	3428.66	1.2
3413.70	1.1+01	3416.86	1.1	3419.84	1.5	3422.68	2.4	3425.80	1.5	3428.70	1.2
3413.77	1.4	3416.93	6.2+00	3419.90	1.5	3422.71	2.9	3425.84	1.4	3428.76	6.4+00

WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX
3428.84	1.4+01	3431.92	1.2+01	3434.84	1.4+01	3437.54	1.3+01	3440.12	1.2+01	3443.52	1.5+01
3428.89	1.5	3431.95	1.2	3434.89	1.4	3437.63	8.9+00	3440.17	1.2	3443.67	3.3+00
3428.94	1.4	3431.98	1.2	3434.93	1.4	3437.68	9.8	3440.39	5.9+00	3443.75	7.9
3429.00	1.5	3432.00	1.1	3434.97	1.4	3437.74	1.3+01	3440.52	3.7	3443.90	2.0
3429.04	1.5	3432.03	9.2+00	3435.00	1.4	3437.82	1.4	3440.60	1.7	3444.00	6.5
3429.16	1.5	3432.10	1.4+01	3435.06	1.5	3437.88	1.3	3440.63	1.5	3444.15	1.5+01
3429.23	1.6	3432.14	1.3	3435.13	1.5	3437.95	6.5+00	3440.74	3.9	3444.20	1.4
3429.29	1.5	3432.21	1.4	3435.20	1.4	3438.00	1.1+01	3440.77	4.2	3444.28	4.6+00
3429.35	1.4	3432.27	1.3	3435.27	1.5	3438.06	1.4	3440.80	4.7	3444.31	3.7
3429.44	1.5	3432.33	1.0	3435.31	1.5	3438.12	1.3	3440.84	4.8	3444.35	4.9
3429.51	1.5	3432.39	1.2	3435.37	1.5	3438.14	1.3	3440.90	4.4	3444.43	1.5+01
3429.56	1.5	3432.42	1.2	3435.44	1.4	3438.24	3.8+00	3440.94	3.1	3444.47	1.5
3429.67	1.5	3432.52	1.5	3435.51	1.0	3438.28	4.6	3441.00	1.7	3444.51	1.3
3429.74	1.3	3432.63	1.5	3435.57	1.3	3438.30	4.6	3441.10	4.1	3444.61	2.1
3429.80	1.4	3432.74	1.0	3435.60	1.2	3438.38	1.1+01	3441.17	6.3	3444.67	2.0
3429.83	1.4	3432.84	1.4	3435.65	1.3	3438.45	1.2	3441.36	1.1+01	3444.72	1.8
3429.90	1.5	3432.91	1.4	3435.70	1.1	3438.48	1.2	3441.45	7.9+00	3444.76	2.0
3429.97	1.5	3432.96	1.3	3435.76	1.2	3438.60	1.4	3441.54	1.5+01	3444.80	2.2
3430.00	1.5	3433.00	7.8+00	3435.82	1.0	3438.65	1.4	3441.62	1.6	3444.85	2.2
3430.05	1.6	3433.05	3.2	3435.94	1.5	3438.71	1.3	3441.74	1.4	3444.88	2.1
3430.10	1.6	3433.15	1.1+01	3436.00	1.3	3438.81	1.5	3441.80	1.5	3444.91	2.1
3430.20	1.5	3433.19	1.3	3436.06	8.3+00	3438.87	1.3	3441.89	1.2	3444.96	2.1
3430.25	1.5	3433.23	1.1	3436.09	8.5	3438.94	4.1+00	3442.00	3.1+00	3445.00	1.7
3430.33	1.3	3433.32	3.6+00	3436.13	7.2	3438.98	3.2	3442.05	4.6	3445.16	3.2+00
3430.37	1.4	3433.41	7.2	3436.16	7.2	3439.00	3.6	3442.11	9.3	3445.28	1.3+01
3430.42	1.2	3433.57	1.6	3436.19	6.4	3439.03	4.9	3442.16	7.3	3445.30	1.3
3430.49	1.1	3433.72	6.7	3436.28	1.3+01	3439.12	1.3+01	3442.21	1.2+01	3445.34	1.3
3430.55	8.0+00	3433.77	7.9	3436.31	1.4	3439.17	1.4	3442.24	1.2	3445.41	1.4
3430.62	1.4+01	3433.89	1.1+01	3436.36	1.4	3439.21	1.3	3442.29	1.6	3445.46	1.3
3430.67	1.5	3433.95	1.1	3436.43	1.3	3439.27	1.3	3442.37	6.8+00	3445.51	1.4
3430.87	1.6	3434.00	9.6+00	3436.49	1.4	3439.33	1.3	3442.48	1.8+01	3445.61	7.0+00
3430.90	1.5	3434.06	7.2	3436.54	1.4	3439.40	1.4	3442.56	1.1	3445.68	1.2+01
3430.96	1.5	3434.12	8.4	3436.61	1.5	3439.44	1.4	3442.61	1.4	3445.77	5.7+00
3431.00	1.5	3434.19	1.3+01	3436.66	1.4	3439.49	1.3	3442.68	6.9+00	3445.85	1.3+01
3431.07	1.6	3434.21	1.3	3436.70	1.4	3439.56	1.2	3442.76	1.9+01	3445.94	1.3
3431.22	1.5	3434.25	1.3	3436.75	1.3	3439.59	1.2	3442.80	2.0	3446.00	1.2
3431.26	1.5	3434.35	1.5	3436.80	1.4	3439.64	1.2	3442.84	1.9	3446.04	9.9+00
3431.31	1.4	3434.38	1.4	3436.91	1.3	3439.70	1.2	3442.94	4.7+00	3446.10	5.8
3431.38	1.4	3434.44	1.5	3437.00	7.1+00	3439.73	1.2	3443.00	9.0	3446.14	5.3
3431.42	1.4	3434.56	1.6	3437.06	4.0	3439.87	4.5+00	3443.02	1.1+01	3446.28	1.4
3431.52	1.1	3434.63	1.5	3437.11	6.5	3439.95	8.8	3443.03	1.2	3446.40	5.3
3431.60	4.1+00	3434.64	1.6	3437.14	6.5	3439.99	8.6	3443.12	1.9	3446.48	1.1+01
3431.70	1.1+01	3434.65	1.6	3437.18	7.3	3440.00	1.1+01	3443.20	1.4	3446.58	1.4
3431.74	1.1	3434.69	1.6	3437.28	2.2	3440.01	1.3	3443.27	1.6	3446.65	1.4
3431.84	4.8+00	3434.77	1.5	3437.42	1.1+01	3440.06	1.4	3443.38	9.4+00	3446.73	1.0

WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX
3446.74	9.8+00	3449.47	3.8+00	3452.12	1.4+01	3455.00	1.1+01	3457.83	1.5+01	3460.97	1.1+01
3446.78	7.9	3449.55	1.3+01	3452.17	1.3	3455.01	1.2	3457.90	1.2	3461.00	1.2
3446.88	1.2+01	3449.60	1.5	3452.32	3.1+00	3455.06	1.4	3457.97	1.4	3461.05	1.3
3446.96	6.4+00	3449.71	1.5	3452.42	1.1+01	3455.09	1.4	3458.00	1.3	3461.12	1.1
3447.00	8.4	3449.77	1.6	3452.50	5.9+00	3455.14	1.5	3458.03	1.3	3461.18	7.5+00
3447.08	1.4+01	3449.80	1.6	3452.61	1.3+01	3455.27	4.2+00	3458.05	1.2	3461.22	9.7
3447.12	1.4	3449.87	1.5	3452.66	1.2	3455.36	1.3+01	3458.13	8.6+00	3461.26	1.1+01
3447.19	1.2	3449.93	1.5	3452.71	1.3	3455.42	1.4	3458.20	1.1+01	3461.32	1.0
3447.28	4.4+00	3449.99	1.4	3452.75	1.2	3455.46	1.5	3458.33	3.1+00	3461.38	8.8+00
3447.38	1.2+01	3450.00	1.4	3452.90	2.7+00	3455.54	1.6	3458.37	3.7	3461.51	1.9
3447.44	8.3+00	3450.08	1.4	3452.93	1.9	3455.58	1.5	3458.48	1.4	3461.58	2.9
3447.52	1.5+01	3450.14	1.2	3453.00	4.9	3455.64	9.6+00	3458.76	1.2+01	3461.67	1.2
3447.56	1.5	3450.22	1.4	3453.05	4.0	3455.77	1.6+01	3458.82	1.3	3461.90	8.9
3447.65	1.4	3450.34	4.0+00	3453.12	9.1	3455.83	1.6	3458.87	1.4	3461.93	8.9
3447.70	1.4	3450.43	1.3+01	3453.15	9.7	3455.88	1.6	3458.89	1.4	3462.00	1.2+01
3447.78	1.0	3450.46	1.4	3453.20	1.2+01	3455.91	1.6	3458.94	1.2	3462.05	1.3
3447.86	1.4	3450.51	1.5	3453.28	1.3	3456.00	1.3	3459.00	1.4	3462.17	1.4
3447.95	1.2	3450.54	1.5	3453.36	7.2+00	3456.04	1.2	3459.02	1.5	3462.24	1.3
3448.00	9.1+00	3450.58	1.5	3453.42	9.7	3456.08	1.3	3459.05	1.5	3462.28	1.3
3448.01	8.9	3450.62	1.5	3453.51	1.9	3456.11	1.3	3459.15	1.4	3462.38	6.4+00
3448.08	1.2+01	3450.68	1.6	3453.54	1.5	3456.17	1.4	3459.21	1.4	3462.45	1.5+01
3448.12	1.3	3450.74	1.5	3453.58	2.3	3456.21	1.3	3459.28	1.3	3462.50	1.6
3448.14	1.2	3450.76	1.5	3453.68	1.0+01	3456.28	8.8+00	3459.34	1.4	3462.54	1.6
3448.21	1.1	3450.87	1.4	3453.72	1.1	3456.32	9.8	3459.37	1.3	3462.59	1.6
3448.31	1.4	3450.92	1.5	3453.76	1.0	3456.40	4.8	3459.44	6.5+00	3462.63	1.6
3448.36	1.3	3450.96	1.5	3453.82	1.2	3456.51	1.3+01	3459.52	1.4+01	3462.67	1.4
3448.40	1.3	3451.00	1.5	3453.90	1.4	3456.59	1.4	3459.60	1.5	3462.82	3.0+00
3448.46	1.3	3451.06	1.4	3454.00	1.5	3456.63	1.4	3459.66	1.4	3462.90	1.3+01
3448.52	1.4	3451.09	1.4	3454.02	1.5	3456.68	1.3	3459.75	6.5+00	3462.95	1.5
3448.56	1.4	3451.15	1.3	3454.06	1.5	3456.77	1.6	3459.82	1.2+01	3463.00	1.3
3448.62	1.4	3451.19	1.4	3454.12	1.4	3456.83	1.4	3459.92	3.1+00	3463.02	1.1
3448.67	1.4	3451.22	1.4	3454.19	7.6+00	3456.87	1.4	3460.00	4.6	3463.08	1.5
3448.74	1.4	3451.28	1.3	3454.26	1.3+01	3456.95	7.8+00	3460.03	4.0	3463.12	1.6
3448.80	9.0+00	3451.31	1.3	3454.30	1.3	3457.00	1.3+01	3460.13	1.1+01	3463.20	1.4
3448.83	9.7	3451.38	1.0	3454.35	1.2	3457.02	1.4	3460.20	1.1	3463.24	1.4
3448.87	9.1	3451.46	1.3	3454.44	1.6	3457.11	6.5+00	3460.32	3.0+00	3463.31	6.6+00
3448.93	1.3+01	3451.52	1.0	3454.49	1.6	3457.23	1.6+01	3460.40	8.5	3463.38	1.4+01
3448.96	1.4	3451.56	1.2	3454.55	1.5	3457.30	1.7	3460.43	8.8	3463.46	1.6
3449.00	1.4	3451.65	5.2+00	3454.61	1.4	3457.37	1.6	3460.49	1.2+01	3463.52	1.6
3449.09	1.2	3451.76	1.4+01	3454.68	1.5	3457.46	1.5	3460.67	1.3	3463.58	1.6
3449.18	3.4+00	3451.81	1.4	3454.72	1.6	3457.53	9.1+00	3460.73	1.2	3463.66	1.6
3449.30	1.4+01	3451.85	1.3	3454.76	1.6	3457.58	8.3	3460.80	1.3	3463.75	1.7
3449.34	1.3	3451.95	3.9+00	3454.79	1.6	3457.69	1.5+01	3460.82	1.3	3463.78	1.6
3449.41	3.8+00	3452.00	8.6	3454.86	1.6	3457.72	1.6	3460.89	1.2	3463.82	1.6
3449.44	2.9	3452.08	1.4+01	3454.90	1.5	3457.76	1.6	3460.92	1.2	3463.87	1.7

WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX
3463.92	1.5+01	3466.78	1.5+01	3469.47	3.0+00	3472.19	9.7+00	3475.00	1.4+01	3477.78	1.6+01
3463.98	7.9+00	3466.81	1.5	3469.55	8.5	3472.34	9.2	3475.06	1.3	3477.87	5.9+00
3464.00	8.7	3466.89	6.5+00	3469.58	7.5	3472.38	8.4	3475.14	6.3+00	3477.96	1.5+01
3464.07	1.2+01	3466.95	1.3+01	3469.65	1.4+01	3472.54	1.5	3475.20	9.0	3477.98	1.5
3464.14	9.1+00	3466.98	1.4	3469.71	1.4	3472.67	8.7	3475.27	6.1	3478.00	1.5
3464.23	1.6+01	3467.00	1.4	3469.75	1.4	3472.72	1.1+01	3475.31	5.2	3478.05	1.8
3464.29	1.8	3467.02	1.3	3469.82	6.0+00	3472.75	1.1	3475.46	1.3	3478.10	1.9
3464.35	1.7	3467.08	1.5	3469.90	1.4+01	3472.81	1.4	3475.59	4.3	3478.16	1.8
3464.41	1.4	3467.13	1.4	3469.92	1.5	3472.85	1.4	3475.65	2.6	3478.24	1.7
3464.47	8.5+00	3467.19	1.5	3470.00	1.7	3472.89	1.3	3475.72	5.3	3478.31	9.4+00
3464.59	1.7+01	3467.26	1.3	3470.06	1.7	3472.95	1.5	3475.74	5.1	3478.33	9.8
3464.65	1.8	3467.33	1.5	3470.12	1.7	3473.00	1.4	3475.81	1.0+01	3478.37	9.2
3464.71	1.5	3467.37	1.4	3470.18	1.7	3473.03	1.3	3475.86	6.3+00	3478.46	1.8+01
3464.79	1.8	3467.40	1.4	3470.26	1.6	3473.11	1.5	3475.94	1.4+01	3478.57	8.1+00
3464.86	1.5	3467.50	4.1+00	3470.32	1.7	3473.16	1.5	3475.98	1.6	3478.60	8.0
3464.91	9.9+00	3467.61	1.4+01	3470.40	1.4	3473.20	1.5	3476.00	1.6	3478.63	6.6
3464.98	1.6+01	3467.69	7.3+00	3470.46	1.5	3473.30	6.2+00	3476.02	1.6	3478.71	1.5+01
3465.00	1.7	3467.76	1.4+01	3470.52	1.2	3473.40	1.4+01	3476.05	1.6	3478.80	9.4+00
3465.06	1.6	3467.80	1.5	3470.61	1.5	3473.44	1.3	3476.08	1.6	3478.85	1.7+01
3465.10	1.7	3467.83	1.5	3470.66	1.5	3473.51	6.8+00	3476.15	1.6	3478.89	1.8
3465.16	1.5	3467.86	1.5	3470.71	1.4	3473.58	1.3+01	3476.19	1.6	3478.93	1.7
3465.20	1.4	3467.92	1.6	3470.82	1.7	3473.63	9.5+00	3476.22	1.6	3478.98	1.8
3465.25	1.2	3467.98	1.6	3470.87	1.7	3473.68	7.1	3476.27	1.4	3479.00	1.6
3465.30	1.4	3468.00	1.6	3470.90	1.7	3473.78	1.5+01	3476.35	5.9+00	3479.03	1.3
3465.37	1.5	3468.06	1.5	3470.96	1.7	3473.81	1.4	3476.43	1.2+01	3479.10	1.8
3465.47	1.2	3468.15	1.6	3471.00	1.6	3473.85	1.5	3476.46	1.2	3479.18	1.8
3465.55	5.4+00	3468.22	1.6	3471.03	1.6	3473.90	1.3	3476.51	1.2	3479.28	1.1
3465.59	6.5	3468.30	1.7	3471.10	1.5	3473.98	2.7+00	3476.64	3.9+00	3479.34	1.5
3465.64	5.0	3468.34	1.6	3471.16	1.5	3474.00	2.3	3476.71	1.6	3479.40	9.4+00
3465.68	5.5	3468.37	1.6	3471.26	3.4+00	3474.05	1.8	3476.81	5.1	3479.46	1.8+01
3465.77	1.6	3468.46	1.2	3471.30	3.7	3474.09	2.5	3476.85	3.8	3479.50	1.9
3465.86	1.1	3468.56	1.6	3471.34	3.2	3474.13	2.6	3476.92	7.8	3479.53	1.9
3465.89	1.4	3468.59	1.5	3471.42	7.5	3474.23	1.2+01	3476.98	3.6	3479.58	1.8
3466.00	5.7	3468.67	8.0+00	3471.43	7.4	3474.26	1.2	3477.00	4.0	3479.64	1.7
3466.12	1.0+01	3468.76	1.3+01	3471.55	1.4+01	3474.32	1.3	3477.09	1.2+01	3479.70	1.1
3466.17	9.5+00	3468.84	5.1+00	3471.60	1.3	3474.44	4.9+00	3477.19	3.4+00	3479.77	1.7
3466.22	1.1+01	3468.92	1.3+01	3471.66	1.5	3474.50	1.0+01	3477.28	1.4+01	3479.85	1.1
3466.27	8.9+00	3469.00	5.5+00	3471.72	1.4	3474.52	9.7+00	3477.33	1.6	3479.88	1.1
3466.34	1.4+01	3469.08	1.5+01	3471.76	1.4	3474.60	1.5+01	3477.37	1.5	3479.93	8.7+00
3466.38	1.4	3469.13	1.6	3471.80	1.5	3474.63	1.5	3477.44	1.7	3479.98	1.4+01
3466.42	1.4	3469.16	1.6	3471.88	1.0	3474.71	1.4	3477.51	1.4	3480.00	1.3
3466.50	4.8+00	3469.20	1.6	3471.96	1.4	3474.76	8.4+00	3477.57	1.5	3480.04	1.2
3466.58	1.2+01	3469.33	1.2	3472.00	1.2	3474.83	1.3+01	3477.63	1.2	3480.09	1.4
3466.63	9.2+00	3469.39	8.2+00	3472.05	1.1	3474.88	1.1	3477.70	1.6	3480.18	8.3+00
3466.68	1.3+01	3469.41	7.8	3472.11	1.1	3474.96	1.3	3477.74	1.7	3480.25	1.3+01

WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX
3480.35	7.3+00	3483.17	1.5+01	3486.11	1.3+01	3488.83	7.3+00	3491.80	1.6+01	3494.59	1.6+01
3480.39	1.1+01	3483.26	1.5	3486.16	1.3	3488.90	1.0+01	3491.84	1.7	3494.69	6.7+00
3480.47	1.3	3483.32	1.4	3486.22	1.3	3488.97	1.0	3491.90	1.6	3494.79	1.7+01
3480.54	1.0	3483.41	4.1+00	3486.28	1.3	3489.00	9.7+00	3491.93	1.5	3494.83	1.8
3480.61	1.4	3483.48	1.0+01	3486.34	1.2	3489.10	9.6	3491.98	1.3	3494.91	1.8
3480.65	1.5	3483.52	7.4+00	3486.45	1.4	3489.18	1.0+01	3492.00	1.3	3494.98	1.5
3480.76	1.5	3483.59	1.1+01	3486.50	1.3	3489.24	1.1	3492.05	1.5	3495.00	1.6
3480.83	1.4	3483.62	1.0	3486.56	7.2+00	3489.28	1.1	3492.09	1.5	3495.07	1.8
3480.89	7.1+00	3483.66	1.0	3486.63	1.3+01	3489.42	3.5+00	3492.13	1.5	3495.11	1.8
3480.96	1.4+01	3483.78	2.1+00	3486.70	1.5	3489.49	1.1+01	3492.24	1.2	3495.15	1.7
3481.00	1.5	3483.85	5.6	3486.74	1.5	3489.53	1.3	3492.28	1.2	3495.18	1.6
3481.05	1.2	3483.88	6.0	3486.88	1.4	3489.57	1.3	3492.35	1.0	3495.28	3.7+00
3481.09	1.2	3483.97	1.3+01	3486.96	1.3	3489.69	3.4+00	3492.45	1.2	3495.34	7.1
3481.15	7.2+00	3484.00	1.4	3486.98	1.3	3489.74	4.0	3492.49	1.2	3495.37	6.5
3481.23	1.4+01	3484.03	1.4	3487.00	1.4	3489.82	1.3+01	3492.54	1.2	3495.47	1.7+01
3481.30	9.8+00	3484.08	1.4	3487.04	1.4	3489.86	1.4	3492.58	1.2	3495.52	1.4
3481.35	1.4+01	3484.17	6.6+00	3487.10	1.5	3489.91	1.4	3492.62	1.2	3495.56	1.4
3481.40	1.5	3484.30	1.4+01	3487.18	1.5	3489.97	1.3	3492.96	1.4+00	3495.68	3.0+00
3481.48	1.4	3484.31	1.4	3487.22	1.5	3490.00	1.5	3493.00	2.4	3495.77	8.7
3481.56	7.9+00	3484.38	1.4	3487.30	1.6	3490.02	1.6	3493.12	5.7	3495.84	3.2
3481.64	1.2+01	3484.45	1.5	3487.34	1.6	3490.10	1.4	3493.16	5.8	3495.94	1.4+01
3481.70	1.2	3484.48	1.5	3487.39	1.5	3490.16	1.0	3493.22	8.7	3496.00	1.5
3481.74	1.1	3484.55	1.5	3487.46	1.6	3490.20	1.1	3493.28	6.0	3496.01	1.6
3481.80	1.1	3484.62	1.5	3487.51	1.5	3490.27	1.2	3493.35	1.3+01	3496.08	8.6+00
3481.85	1.2	3484.70	1.4	3487.54	1.4	3490.49	3.2+00	3493.39	1.4	3496.14	1.4+01
3481.93	1.3	3484.78	1.0	3487.61	7.4+00	3490.52	2.8	3493.47	7.1+00	3496.21	5.8+00
3482.00	1.4	3484.80	1.0	3487.68	1.3+01	3490.59	1.5	3493.54	1.2+01	3496.28	1.4+01
3482.05	1.4	3484.86	7.2+00	3487.71	1.1	3490.70	4.1	3493.58	1.1	3496.34	8.6+00
3482.11	1.4	3484.92	1.1+01	3487.78	1.4	3490.74	4.0	3493.63	1.4	3496.41	1.6+01
3482.18	8.5+00	3484.98	5.7+00	3487.82	1.4	3490.80	8.5	3493.69	7.6+00	3496.44	1.7
3482.26	1.5+01	3485.00	6.0	3487.89	1.5	3490.86	1.1+01	3493.77	1.6+01	3496.50	1.5
3482.32	1.5	3485.05	8.9	3487.93	1.4	3490.93	1.2	3493.80	1.6	3496.58	9.7+00
3482.36	1.5	3485.11	6.2	3488.00	7.3+00	3490.96	1.1	3493.86	1.3	3496.61	9.8
3482.40	1.4	3485.22	1.1+01	3488.06	1.4+01	3491.00	8.0+00	3493.92	1.7	3496.68	4.5
3482.44	1.2	3485.27	9.0+00	3488.12	1.5	3491.06	3.4	3493.96	1.8	3496.74	9.6
3482.49	1.4	3485.35	3.2	3488.19	1.5	3491.18	1.3+01	3494.00	1.8	3496.80	5.2
3482.54	1.2	3485.46	1.1+01	3488.24	1.4	3491.22	1.2	3494.05	1.8	3496.87	1.3+01
3482.58	1.2	3485.54	1.2	3488.30	1.0	3491.25	1.2	3494.10	1.6	3496.90	1.3
3482.65	1.1	3485.64	1.3	3488.39	1.4	3491.33	4.9+00	3494.17	8.7+00	3496.94	1.2
3482.70	1.0	3485.71	1.0	3488.46	1.3	3491.42	1.6+01	3494.24	1.6+01	3497.00	6.4+00
3482.76	1.2	3485.78	1.1	3488.50	1.3	3491.46	1.7	3494.32	1.7	3497.01	6.1
3482.91	2.8+00	3485.82	1.0	3488.54	1.3	3491.54	1.7	3494.38	1.7	3497.03	6.1
3482.95	5.3	3485.90	3.5+00	3488.60	1.1	3491.61	1.7	3494.43	1.6	3497.10	2.6
3483.00	4.0	3486.00	1.3+01	3488.69	3.2+00	3491.71	1.7	3494.45	1.6	3497.15	3.4
3483.07	1.2+01	3486.04	1.4	3488.78	9.0	3491.76	1.6	3494.52	1.2	3497.22	1.3+01

WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX
3497.26	1.5+01	3499.95	1.7+01	3502.71	1.4+01	3505.43	1.5+01	3508.10	1.6+01	3510.35	1.5+00
3497.33	1.5	3499.99	1.6	3502.76	1.5	3505.50	1.1	3508.13	1.6	3510.39	2.3
3497.40	1.1	3500.00	1.4	3502.80	1.5	3505.60	1.6	3508.21	9.6+00	3510.44	2.8
3497.44	1.3	3500.08	1.5	3502.86	1.3	3505.68	8.3+00	3508.28	1.6+01	3510.50	9.3
3497.53	4.8+00	3500.10	1.5	3502.92	1.5	3505.76	1.6+01	3508.33	1.7	3510.52	1.0+01
3497.59	1.2+01	3500.17	1.1	3502.94	1.5	3505.80	1.7	3508.40	1.5	3510.61	1.5
3497.62	1.2	3500.24	1.5	3503.00	1.5	3505.85	1.6	3508.46	5.1+00	3510.68	9.9+00
3497.81	2.2+00	3500.34	4.8+00	3503.02	1.5	3505.92	1.2	3508.49	4.2	3510.75	1.5+01
3497.85	1.7	3500.42	1.4+01	3503.06	1.6	3505.97	1.5	3508.52	5.1	3510.84	4.8+00
3497.93	4.1	3500.46	1.4	3503.10	1.5	3506.00	1.6	3508.60	1.5+01	3510.94	1.7+01
3497.96	4.4	3500.50	1.3	3503.18	1.6	3506.05	1.5	3508.65	1.6	3511.00	1.9
3498.00	7.8	3500.58	5.2+00	3503.26	1.6	3506.12	1.6	3508.67	1.6	3511.08	1.9
3498.06	1.0+01	3500.64	1.3+01	3503.35	1.6	3506.17	1.5	3508.70	1.6	3511.13	1.9
3498.10	1.0	3500.68	1.3	3503.42	1.4	3506.23	5.9+00	3508.74	1.6	3511.16	1.9
3498.12	1.0	3500.74	1.2	3503.48	8.7+00	3506.31	2.7	3508.78	1.6	3511.22	1.9
3498.18	7.3+00	3500.86	2.4+00	3503.55	1.5+01	3506.42	1.2+01	3508.81	1.6	3511.26	1.9
3498.24	1.1+01	3500.94	9.2	3503.60	1.5	3506.51	3.3+00	3508.85	1.6	3511.30	1.9
3498.38	1.4	3501.00	1.3+01	3503.67	1.5	3506.56	5.8	3508.90	1.5	3511.39	1.9
3498.47	1.5	3501.09	1.5	3503.73	1.4	3506.58	5.8	3508.96	1.6	3511.44	1.9
3498.52	1.4	3501.16	1.5	3503.82	1.6	3506.69	1.5+01	3509.00	1.5	3511.49	1.9
3498.59	1.7	3501.22	1.6	3503.84	1.6	3506.70	1.5	3509.04	1.4	3511.53	1.8
3498.65	1.7	3501.30	1.5	3503.86	1.6	3506.73	1.5	3509.12	7.7+00	3511.57	1.7
3498.69	1.6	3501.34	1.5	3503.90	1.5	3506.78	1.4	3509.19	1.5+01	3511.62	1.4
3498.75	1.1	3501.40	1.6	3504.00	1.6	3506.82	1.2	3509.23	1.6	3511.68	1.7
3498.81	1.7	3501.46	1.5	3504.03	1.6	3506.89	1.5	3509.27	1.6	3511.75	8.6+00
3498.84	1.7	3501.48	1.5	3504.10	1.6	3506.94	1.6	3509.33	1.5	3511.79	1.0+01
3498.89	1.7	3501.50	1.5	3504.14	1.6	3507.00	1.7	3509.36	1.6	3511.83	6.7+00
3498.94	1.4	3501.56	1.5	3504.26	1.6	3507.04	1.6	3509.40	1.6	3511.89	1.2+01
3499.00	1.6	3501.61	1.5	3504.31	1.6	3507.07	1.5	3509.43	1.6	3511.91	1.2
3499.04	1.7	3501.71	7.3+00	3504.36	1.6	3507.14	7.0+00	3509.48	1.6	3512.00	1.9
3499.10	1.2	3501.80	1.3+01	3504.38	1.4	3507.19	8.6	3509.52	1.6	3512.09	1.1
3499.15	1.7	3501.82	1.3	3504.45	6.2+00	3507.28	1.6+01	3509.59	1.6	3512.16	1.6
3499.20	1.8	3501.90	1.5	3504.55	1.5+01	3507.34	1.5	3509.66	1.5	3512.23	7.7+00
3499.26	1.5	3501.96	1.4	3504.60	1.4	3507.40	8.9+00	3509.73	6.6+00	3512.33	1.7+01
3499.31	1.6	3502.00	1.5	3504.62	1.3	3507.46	1.6+01	3509.77	8.7	3512.38	1.5
3499.36	1.5	3502.04	1.5	3504.70	8.2+00	3507.50	1.7	3509.85	3.6	3512.44	1.8
3499.40	1.8	3502.10	1.5	3504.79	1.2+01	3507.58	1.7	3509.94	1.3+01	3512.48	1.8
3499.44	1.9	3502.16	1.3	3504.90	2.9+00	3507.62	1.6	3509.97	1.4	3512.55	1.7
3499.50	1.9	3502.26	2.5+00	3505.00	1.1+01	3507.70	5.1+00	3509.98	1.4	3512.65	3.9+00
3499.58	1.5	3502.28	2.1	3505.07	5.5+00	3507.77	1.3+01	3510.00	1.6	3512.78	1.5+01
3499.62	1.8	3502.31	2.7	3505.14	1.2+01	3507.80	1.4	3510.06	1.5	3512.81	1.4
3499.67	1.9	3502.42	1.2+01	3505.21	1.4	3507.89	1.7	3510.10	1.4	3512.88	1.8
3499.72	1.9	3502.47	1.0	3505.30	1.1	3507.95	1.5	3510.19	8.7+00	3512.98	7.6+00
3499.76	1.9	3502.52	1.1	3505.34	1.3	3508.00	1.7	3510.25	5.4	3513.00	1.0+01
3499.87	1.3	3502.62	3.4+00	3505.38	1.4	3508.05	1.7	3510.33	1.9	3513.02	1.1

WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX
3513.06	6.6+00	3515.94	1.5+01	3518.58	1.3+01	3521.74	1.3+01	3524.46	2.9+00	3527.11	1.2+01
3513.13	1.7+01	3515.96	1.5	3518.67	4.3+00	3521.78	1.3	3524.54	1.3	3527.15	1.4
3513.17	1.9	3516.00	1.4	3518.78	1.3+01	3521.85	5.9+00	3524.59	1.8	3527.22	1.5
3513.21	1.9	3516.02	1.4	3518.88	5.9+00	3521.93	1.7+01	3524.67	3.8	3527.24	1.5
3513.25	1.9	3516.09	1.5	3518.95	1.4+01	3521.98	1.8	3524.72	4.1	3527.31	1.4
3513.29	1.8	3516.14	1.3	3519.00	1.5	3522.00	1.8	3524.88	1.0+01	3527.41	1.5
3513.34	1.9	3516.22	6.3+00	3519.02	1.5	3522.06	1.7	3525.00	1.2	3527.45	1.5
3513.40	1.7	3516.28	1.3+01	3519.14	1.5	3522.11	1.8	3525.06	1.1	3527.50	1.4
3513.50	4.4+00	3516.32	1.3	3519.26	1.6	3522.16	1.7	3525.12	1.1	3527.54	1.2
3513.57	1.2+01	3516.41	5.5+00	3519.33	1.6	3522.20	1.6	3525.22	1.3	3527.56	1.1
3513.61	1.1	3516.48	1.2+01	3519.38	1.6	3522.27	6.3+00	3525.25	1.3	3527.61	8.6+00
3513.65	1.2	3516.56	5.5+00	3519.40	1.6	3522.36	1.7+01	3525.27	1.3	3527.68	1.2+01
3513.82	2.2+00	3516.65	1.4+01	3519.43	1.6	3522.39	1.8	3525.30	1.3	3527.79	3.4+00
3513.85	1.9	3516.74	1.4	3519.57	1.5	3522.46	1.4	3525.36	1.4	3527.86	6.4
3513.90	3.3	3516.81	1.0	3519.62	1.3	3522.51	1.7	3525.38	1.4	3527.89	5.6
3513.94	2.7	3516.90	1.4	3519.66	1.3	3522.62	1.7	3525.42	1.4	3527.92	5.9
3513.98	3.4	3516.96	1.3	3519.78	2.6+00	3522.68	1.7	3525.47	1.4	3527.98	3.7
3514.00	5.3	3517.00	1.3	3519.90	1.2+01	3522.74	1.5	3525.54	1.4	3528.00	4.7
3514.08	1.5+01	3517.05	1.3	3519.94	1.2	3522.79	1.7	3525.56	1.3	3528.06	1.3+01
3514.15	1.7	3517.07	1.4	3520.00	6.8+00	3522.91	6.8+00	3525.62	8.3+00	3528.08	1.8
3514.27	1.7	3517.11	1.4	3520.05	4.4	3523.00	1.7+01	3525.71	1.3+01	3528.10	1.8
3514.30	1.7	3517.18	1.4	3520.09	4.7	3523.02	1.7	3525.86	3.9+00	3528.12	2.0
3514.35	1.7	3517.23	1.4	3520.18	1.6+01	3523.08	8.8+00	3525.92	6.3	3528.15	2.0
3514.40	1.7	3517.32	5.0+00	3520.26	6.5+00	3523.14	1.4+01	3526.00	2.7	3528.18	2.0
3514.47	1.2	3517.38	1.1+01	3520.34	1.7+01	3523.18	1.1	3526.06	1.4	3528.26	1.3
3514.54	1.6	3517.45	1.4	3520.40	1.9	3523.24	1.5	3526.12	2.4	3528.30	1.5
3514.64	7.2+00	3517.50	1.4	3520.46	1.9	3523.32	5.7+00	3526.17	1.3	3528.33	1.5
3514.73	1.4+01	3517.52	1.4	3520.50	1.9	3523.37	9.6	3526.20	1.4	3528.39	1.8
3514.85	9.5+00	3517.65	1.6	3520.55	1.6	3523.44	3.7	3526.21	1.8	3528.42	1.8
3514.94	5.5	3517.69	1.6	3520.59	1.7	3523.52	1.3+01	3526.25	2.4	3528.46	2.1
3515.00	2.9	3517.73	1.6	3520.62	1.7	3523.54	1.3	3526.32	5.4	3528.50	2.1
3515.07	1.1	3517.77	1.6	3520.70	1.8	3523.62	1.6	3526.40	2.1	3528.58	2.0
3515.30	8.2	3517.81	1.6	3520.78	1.7	3523.64	1.6	3526.44	2.7	3528.66	2.1
3515.35	9.5	3517.85	1.5	3520.86	7.8+00	3523.71	1.2	3526.48	2.3	3528.77	2.2
3515.39	9.0	3517.89	1.6	3520.95	1.7+01	3523.78	1.6	3526.54	5.0	3528.82	2.1
3515.48	1.1+01	3517.96	1.5	3521.00	1.5	3523.82	1.7	3526.60	7.7	3528.90	1.0
3515.53	1.0	3518.00	1.5	3521.07	1.1	3523.86	1.7	3526.68	2.6	3528.98	1.4
3515.61	1.3	3518.04	1.5	3521.10	1.1	3523.94	1.5	3526.75	5.3	3529.00	1.2
3515.63	1.3	3518.10	1.5	3521.27	2.2+00	3523.98	1.1	3526.82	2.3	3529.05	5.6+00
3515.66	1.3	3518.13	1.6	3521.40	1.2+01	3524.00	1.1	3526.84	2.0	3529.13	1.7+01
3515.72	1.4	3518.17	1.6	3521.46	1.3	3524.02	1.0	3526.87	2.6	3529.17	2.0
3515.80	1.4	3518.26	1.4	3521.54	4.2+00	3524.08	4.5+00	3526.93	7.7	3529.23	2.1
3515.82	1.4	3518.36	3.7+00	3521.57	3.4	3524.15	9.2	3526.96	8.0	3529.28	2.1
3515.88	1.4	3518.46	1.4+01	3521.61	4.6	3524.25	3.2	3527.00	1.2+01	3529.38	2.0
3515.91	1.5	3518.52	1.5	3521.70	1.5+01	3524.32	5.5	3527.04	1.4	3529.42	2.0

WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX
3529.54	8.9+00	3532.25	1.3+01	3534.61	1.4+01	3537.20	1.3+01	3539.54	1.6+01	3542.58	9.9+00
3529.60	1.5+01	3532.29	1.2	3534.66	1.5	3537.25	9.5+00	3539.60	1.6	3542.61	1.1+01
3529.64	1.1	3532.33	1.1	3534.69	1.4	3537.31	1.3+01	3539.69	1.6	3542.64	1.1
3529.67	1.3	3532.40	1.3	3534.73	1.5	3537.34	1.4	3539.77	1.4	3542.70	1.5
3529.82	3.4+00	3532.48	1.1	3534.78	1.3	3537.37	1.4	3539.82	1.5	3542.77	1.6
3529.95	1.7+01	3532.52	1.1	3534.84	1.4	3537.43	1.3	3539.92	1.3	3542.80	1.6
3530.00	1.6	3532.59	5.0+00	3534.92	5.7+00	3537.50	5.5+00	3540.00	1.5	3542.86	1.7
3530.02	1.4	3532.69	1.1+01	3535.00	1.3+01	3537.58	1.3+01	3540.13	4.8+00	3542.91	1.7
3530.10	1.5	3532.74	1.3	3535.04	1.5	3537.64	8.8+00	3540.27	1.6+01	3542.97	1.5
3530.12	1.5	3532.78	1.3	3535.08	1.5	3537.67	8.8	3540.34	1.5	3543.00	1.5
3530.15	1.5	3532.81	1.3	3535.23	1.5	3537.73	4.3	3540.37	1.5	3543.03	1.4
3530.19	1.5	3532.87	1.3	3535.30	1.0	3537.80	9.7	3540.40	1.5	3543.09	1.5
3530.24	1.4	3532.92	1.1	3535.34	9.7+00	3537.90	3.7	3540.46	1.7	3543.13	1.4
3530.28	1.5	3533.00	4.1+00	3535.41	4.5	3538.00	1.3+01	3540.58	1.6	3543.16	1.4
3530.40	4.8+00	3533.02	3.3	3535.48	1.2+01	3538.02	1.3	3540.66	1.2	3543.19	1.4
3530.51	1.4+01	3533.10	8.0	3535.53	1.2	3538.07	1.4	3540.73	3.9+00	3543.21	1.4
3530.60	7.6+00	3533.21	2.8	3535.56	1.3	3538.10	1.5	3540.78	7.0	3543.28	7.8+00
3530.69	1.4+01	3533.30	7.6	3535.63	1.0	3538.14	1.5	3540.81	6.1	3543.35	1.2+01
3530.78	5.1+00	3533.37	3.7	3535.66	1.0	3538.26	6.3+00	3540.89	1.2+01	3543.41	7.0+00
3530.86	1.4+01	3533.46	1.4+01	3535.72	4.8+00	3538.30	6.9	3540.90	1.2	3543.48	1.5+01
3530.92	1.5	3533.50	1.4	3535.83	1.3+01	3538.36	1.3+01	3540.93	1.2	3543.51	1.5
3530.98	1.3	3533.56	1.4	3535.85	1.3	3538.39	1.3	3541.00	8.0+00	3543.54	1.5
3531.00	1.4	3533.59	1.5	3535.88	1.4	3538.43	1.3	3541.10	2.6	3543.57	1.6
3531.04	1.6	3533.62	1.5	3535.91	1.4	3538.49	8.4+00	3541.20	8.1	3543.62	1.5
3531.07	1.6	3533.64	1.5	3535.97	1.4	3538.54	6.5	3541.23	8.9	3543.69	6.0+00
3531.11	1.6	3533.70	1.3	3536.00	1.3	3538.62	1.3+01	3541.30	1.2+01	3543.80	1.6+01
3531.16	1.7	3533.74	1.4	3536.03	1.1	3538.66	1.5	3541.34	1.3	3543.82	1.6
3531.22	1.7	3533.78	1.4	3536.11	1.4	3538.72	1.4	3541.41	1.5	3543.89	1.7
3531.26	1.6	3533.81	1.4	3536.14	1.5	3538.78	9.7+00	3541.45	1.6	3543.93	1.7
3531.31	1.6	3533.86	9.7+00	3536.19	1.5	3538.85	1.4+01	3541.50	1.6	3543.95	1.6
3531.36	1.6	3533.95	1.6+01	3536.28	1.4	3538.90	1.4	3541.56	1.5	3543.98	1.6
3531.45	7.3+00	3533.98	1.6	3536.32	1.4	3538.93	1.4	3541.62	1.6	3544.00	1.5
3531.54	1.4+01	3534.00	1.6	3536.36	1.3	3538.97	1.5	3541.67	1.6	3544.03	1.4
3531.59	1.5	3534.02	1.6	3536.43	1.0	3539.00	1.5	3541.72	1.6	3544.07	1.4
3531.63	1.4	3534.06	1.4	3536.57	2.6+00	3539.07	1.4	3541.81	1.5	3544.16	1.5
3531.65	1.4	3534.12	1.6	3536.66	8.3	3539.16	1.6	3541.87	1.1	3544.25	1.0
3531.73	7.9+00	3534.18	1.6	3536.74	1.1+01	3539.19	1.6	3541.91	1.1	3544.33	1.7
3531.78	1.2+01	3534.22	1.5	3536.78	9.7+00	3539.24	1.6	3541.98	6.9+00	3544.38	1.7
3531.85	5.0+00	3534.26	1.3	3536.86	1.3+01	3539.27	1.6	3542.00	6.0	3544.45	1.7
3531.94	1.1+01	3534.30	1.4	3536.89	1.3	3539.30	1.6	3542.09	2.5	3544.49	1.7
3532.00	4.2+00	3534.33	1.6	3536.92	1.3	3539.33	1.6	3542.20	7.5	3544.55	1.4
3532.02	3.6	3534.38	1.6	3536.97	1.2	3539.38	1.5	3542.26	4.6	3544.57	1.4
3532.07	6.3	3534.43	1.6	3537.00	1.3	3539.42	1.5	3542.34	1.3+01	3544.65	6.6+00
3532.13	4.0	3534.47	1.5	3537.07	1.5	3539.44	1.5	3542.41	1.5	3544.74	1.7+01
3532.20	1.2+01	3534.54	8.0+00	3537.12	1.5	3539.50	1.6	3542.53	1.2	3544.79	1.7

WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX
3544.84	1.7+01	3547.54	1.6+01	3550.23	1.2+01	3552.94	1.0+01	3555.62	1.7+01	3558.22	1.2+01
3544.88	1.6	3547.66	1.3	3550.34	1.7	3552.98	9.8+00	3555.66	1.7	3558.26	1.2
3544.94	1.4	3547.70	1.3	3550.38	1.6	3553.00	1.0+01	3555.74	1.6	3558.37	7.4+00
3545.00	1.3	3547.81	3.8+00	3550.45	1.7	3553.06	1.5	3555.77	1.6	3558.44	3.9
3545.10	1.5	3547.90	1.1+01	3550.50	1.5	3553.10	1.4	3555.79	1.5	3558.46	3.3
3545.21	5.4+00	3547.96	8.2+00	3550.53	1.4	3553.13	1.4	3555.87	1.7	3558.50	1.7
3545.29	1.6+01	3547.98	7.4	3550.61	5.6+00	3553.16	1.4	3555.95	1.5	3558.53	1.4
3545.32	1.6	3548.00	5.6	3550.69	1.6+01	3553.24	1.7	3556.00	1.6	3558.57	1.9
3545.35	1.6	3548.04	3.7	3550.74	1.7	3553.28	1.6	3556.03	1.7	3558.72	9.2
3545.42	1.7	3548.12	9.2	3550.80	1.6	3553.33	1.7	3556.06	1.8	3558.78	6.8
3545.46	1.5	3548.20	3.0	3550.85	1.6	3553.40	1.5	3556.10	1.7	3558.87	1.3+01
3545.53	9.2+00	3548.29	1.3+01	3550.90	1.7	3553.50	5.1+00	3556.16	1.6	3558.90	1.4
3545.57	1.0+01	3548.38	1.6	3550.96	1.7	3553.57	1.3+01	3556.22	1.7	3558.94	1.5
3545.65	3.6+00	3548.46	1.1	3551.00	1.6	3553.65	1.4	3556.28	1.6	3558.98	1.4
3545.76	1.1+01	3548.52	1.3	3551.07	1.4	3553.76	4.2+00	3556.35	1.7	3559.00	1.4
3545.83	6.0+00	3548.56	1.3	3551.12	9.7+00	3553.84	1.3+01	3556.39	1.7	3559.02	1.4
3545.89	1.1+01	3548.62	1.5	3551.21	1.7+01	3553.89	1.4	3556.43	1.7	3559.08	7.8+00
3545.96	1.6	3548.67	1.6	3551.25	1.7	3553.95	1.7	3556.48	1.5	3559.14	1.3+01
3546.00	1.7	3548.71	1.6	3551.28	1.7	3554.00	1.6	3556.53	1.4	3559.18	1.1
3546.08	1.7	3548.75	1.7	3551.35	1.7	3554.05	1.5	3556.61	6.2+00	3559.25	1.5
3546.14	1.5	3548.79	1.7	3551.42	1.4	3554.14	4.2+00	3556.65	7.9	3559.34	1.7
3546.21	9.3+00	3548.83	1.7	3551.45	1.4	3554.22	1.4+01	3556.69	4.8	3559.40	1.5
3546.26	1.5+01	3548.87	1.6	3551.55	4.9+00	3554.25	1.6	3556.75	7.4	3559.46	6.4+00
3546.31	1.7	3548.94	1.3	3551.62	1.2+01	3554.30	1.5	3556.83	2.6	3559.50	5.1
3546.35	1.6	3548.96	1.3	3551.66	1.0	3554.34	1.5	3556.87	2.8	3559.58	1.3+01
3546.38	1.7	3549.00	7.6+00	3551.73	1.5	3554.41	1.3	3556.90	2.7	3559.66	1.7
3546.41	1.7	3549.02	7.4	3551.78	1.7	3554.46	6.7+00	3557.00	1.1+01	3559.68	1.6
3546.44	1.7	3549.09	1.6+01	3551.84	1.8	3554.51	4.9	3557.12	1.4	3559.75	1.5
3546.48	1.7	3549.12	1.6	3551.88	1.6	3554.60	1.3+01	3557.17	1.3	3559.82	1.3
3546.54	1.4	3549.18	1.6	3551.90	1.6	3554.66	7.8+00	3557.23	1.4	3559.86	1.4
3546.60	1.6	3549.25	1.0	3551.97	8.1+00	3554.73	1.2+01	3557.31	1.6	3559.92	8.8+00
3546.64	1.7	3549.32	1.5	3552.00	1.2+01	3554.94	2.2+00	3557.37	1.4	3560.00	1.5+01
3546.71	1.4	3549.38	1.3	3552.05	1.5	3555.00	4.4	3557.44	1.6	3560.02	1.4
3546.75	1.5	3549.46	1.7	3552.12	7.1+00	3555.12	1.0+01	3557.47	1.7	3560.07	9.2+00
3546.84	1.6	3549.53	1.5	3552.22	1.9+01	3555.18	1.2	3557.52	1.7	3560.13	1.2+01
3546.90	1.7	3549.59	1.7	3552.27	1.9	3555.22	1.4	3557.55	1.7	3560.16	1.1
3546.96	1.6	3549.62	1.8	3552.38	1.8	3555.26	1.4	3557.62	1.7	3560.24	1.4
3547.00	1.4	3549.68	1.8	3552.44	1.1	3555.28	1.5	3557.73	1.6	3560.30	1.2
3547.03	1.2	3549.82	1.2	3552.52	1.9	3555.30	1.5	3557.77	1.5	3560.37	1.4
3547.10	1.5	3549.87	5.7+00	3552.56	1.9	3555.34	1.5	3557.83	1.6	3560.42	1.2
3547.19	4.9+00	3549.98	1.6+01	3552.60	1.9	3555.36	1.4	3557.88	1.5	3560.47	1.3
3547.32	1.6+01	3550.00	1.7	3552.74	8.8+00	3555.41	1.3	3557.94	1.6	3560.59	6.9+00
3547.37	1.5	3550.05	1.9	3552.76	9.6	3555.46	8.5+00	3558.00	1.4	3560.64	9.6
3547.47	1.6	3550.12	1.7	3552.84	3.9	3555.54	1.6+01	3558.08	9.7+00	3560.71	5.1
3547.50	1.6	3550.16	1.6	3552.90	9.9	3555.58	1.7	3558.16	1.4+01	3560.77	1.1+01

WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX
3560.89	4.0+00	3563.18	1.3+01	3565.90	1.4+01	3568.44	7.7+00	3571.00	1.2+01	3573.80	6.0+00
3560.98	1.4+01	3563.21	1.3	3565.98	6.9+00	3568.52	1.9+01	3571.06	1.4	3573.85	3.0
3561.00	1.4	3563.22	1.4	3566.00	8.6	3568.56	2.0	3571.10	1.3	3573.90	3.0
3561.02	1.4	3563.26	1.5	3566.05	1.2+01	3568.62	1.7	3571.15	1.3	3573.98	8.0
3561.07	1.3	3563.34	1.6	3566.12	8.9+00	3568.70	2.0	3571.23	5.6+00	3574.00	7.8
3561.12	1.3	3563.42	1.4	3566.18	5.2	3568.75	1.7	3571.31	1.5+01	3574.05	8.1
3561.18	1.3	3563.50	1.6	3566.25	6.5	3568.83	7.0+00	3571.34	1.5	3574.13	1.7+01
3561.23	1.4	3563.54	1.6	3566.33	2.9	3568.90	1.3+01	3571.39	1.4	3574.20	1.6
3561.30	1.3	3563.57	1.5	3566.38	1.8	3568.98	5.7+00	3571.47	1.6	3574.26	9.5+00
3561.34	1.4	3563.62	1.1	3566.42	2.8	3569.00	7.2	3571.50	1.6	3574.32	1.3+01
3561.38	1.4	3563.70	1.5	3566.53	9.6	3569.04	1.5+01	3571.55	1.5	3574.42	7.9+00
3561.45	1.5	3563.74	1.4	3566.58	7.5	3569.10	1.7	3571.58	1.5	3574.52	1.8+01
3561.47	1.5	3563.78	1.3	3566.63	1.3+01	3569.14	1.6	3571.69	6.3+00	3574.56	1.9
3561.50	1.5	3563.82	1.3	3566.70	1.6	3569.18	1.6	3571.74	8.9	3574.59	1.9
3561.59	5.8+00	3563.88	1.5	3566.74	1.6	3569.26	1.3	3571.88	1.9	3574.64	1.9
3561.67	1.2+01	3563.93	1.5	3566.79	1.7	3569.39	3.1+00	3571.95	4.4	3574.68	1.9
3561.76	4.2+00	3563.99	1.5	3566.87	1.4	3569.44	6.2	3572.00	2.9	3574.75	1.5
3561.84	1.2+01	3564.00	1.5	3566.91	1.0	3569.50	3.7	3572.02	2.8	3574.81	9.8+00
3561.91	7.2+00	3564.03	1.5	3566.96	1.4	3569.58	1.0+01	3572.11	1.0+01	3574.87	1.6+01
3561.97	1.3+01	3564.13	5.1+00	3567.00	9.3+00	3569.63	1.0	3572.14	1.0	3574.97	4.3+00
3562.00	1.3	3564.21	1.3+01	3567.04	6.2	3569.67	9.3+00	3572.21	1.5	3575.00	5.7
3562.04	1.3	3564.25	1.4	3567.10	1.8+01	3569.73	6.1	3572.26	1.6	3575.05	1.1+01
3562.10	1.1	3564.29	1.4	3567.15	2.0	3569.77	5.5	3572.33	1.4	3575.12	4.1+00
3562.16	1.3	3564.34	1.4	3567.21	2.1	3569.81	3.7	3572.37	1.4	3575.18	8.5
3562.20	1.3	3564.41	1.2	3567.23	2.1	3569.87	5.1	3572.42	1.3	3575.26	3.0
3562.27	8.7+00	3564.45	1.2	3567.27	2.1	3569.97	4.1	3572.50	2.7+00	3575.31	5.4
3562.35	1.5+01	3564.54	4.2+00	3567.37	9.4+00	3570.00	2.6	3572.54	1.8	3575.37	2.7
3562.38	1.6	3564.64	1.2+01	3567.44	1.8+01	3570.09	1.0	3572.59	3.4	3575.47	1.3+01
3562.40	1.5	3564.70	1.0	3567.51	2.0	3570.13	1.0	3572.67	1.4+01	3575.50	1.4
3562.46	1.5	3564.74	1.1	3567.56	1.8	3570.19	2.2	3572.70	1.6	3575.55	1.3
3562.50	1.5	3564.80	8.8+00	3567.60	1.8	3570.25	1.5	3572.75	1.3	3575.61	1.5
3562.53	1.4	3564.86	1.1+01	3567.71	4.6+00	3570.33	3.4	3572.82	1.8	3575.65	1.5
3562.58	1.4	3564.96	3.0+00	3567.81	1.8+01	3570.37	4.2	3572.87	1.9	3575.70	1.5
3562.60	1.3	3565.00	4.9	3567.85	2.0	3570.40	4.6	3572.98	1.8	3575.76	1.0
3562.66	1.5	3565.06	1.1+01	3567.88	2.0	3570.48	5.9	3573.00	1.7	3575.84	1.4
3562.71	1.4	3565.23	5.5+00	3567.94	1.5	3570.51	6.0	3573.07	1.1	3575.88	1.3
3562.80	1.6	3565.27	4.9	3567.98	1.8	3570.56	7.9	3573.16	1.8	3575.98	4.1+00
3562.85	1.5	3565.35	2.0	3568.00	1.9	3570.65	9.4	3573.24	1.8	3576.00	4.7
3562.93	1.1	3565.40	1.5	3568.04	2.1	3570.66	1.0+01	3573.31	1.7	3576.07	1.3+01
3562.98	1.3	3565.46	3.7	3568.07	2.2	3570.72	1.1	3573.41	6.3+00	3576.12	1.4
3563.00	1.3	3565.53	4.5	3568.11	2.1	3570.77	1.2	3573.48	1.5+01	3576.16	1.4
3563.02	1.3	3565.59	3.2	3568.14	2.0	3570.80	1.2	3573.52	1.5	3576.19	1.4
3563.06	1.5	3565.70	1.0+01	3568.18	2.0	3570.86	1.3	3573.56	1.6	3576.28	8.4+00
3563.09	1.5	3565.78	1.2	3568.25	1.5	3570.92	1.3	3573.66	7.5+00	3576.35	2.7
3563.12	1.5	3565.83	1.1	3568.35	1.8	3570.98	1.2	3573.75	3.4	3576.44	1.1+01

WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX
3576.47	1.4+01	3579.38	1.2+01	3582.13	1.0+01	3584.58	1.0+01	3587.37	9.5+00	3590.16	1.2+01
3576.52	1.5	3579.44	1.3	3582.21	4.0+00	3584.68	3.0+00	3587.44	5.4	3590.18	1.2
3576.56	1.5	3579.51	1.1	3582.27	8.9	3584.74	6.9	3587.49	1.5+01	3590.22	1.2
3576.58	1.5	3579.56	8.1+00	3582.33	5.7	3584.81	4.0	3587.56	1.8	3590.24	1.1
3576.60	1.5	3579.63	1.1+01	3582.38	1.1+01	3584.89	1.0+01	3587.64	1.6	3590.32	9.0+00
3576.65	1.5	3579.70	1.1	3582.43	1.1	3584.98	3.7+00	3587.66	1.5	3590.37	6.6
3576.77	4.0+00	3579.74	1.1	3582.50	1.3	3585.00	4.8	3587.77	4.5+00	3590.40	6.7
3576.83	7.3	3579.77	1.1	3582.58	8.5+00	3585.06	9.2	3587.85	1.2+01	3590.48	2.8
3576.86	6.2	3579.83	6.5+00	3582.62	9.3	3585.10	8.6	3587.94	4.0+00	3590.52	3.8
3576.94	1.4+01	3579.90	9.3	3582.70	5.9	3585.20	3.1	3588.00	1.0+01	3590.59	1.3+01
3576.97	1.5	3579.94	9.9	3582.82	1.5+01	3585.21	3.4	3588.07	1.8	3590.61	1.4
3577.00	1.5	3579.96	9.9	3582.86	1.5	3585.25	4.1	3588.13	1.6	3590.66	1.2
3577.08	1.3	3580.00	1.2+01	3582.90	1.5	3585.34	1.5	3588.18	1.7	3590.72	1.5
3577.14	1.4	3580.02	1.4	3582.91	1.6	3585.46	5.9	3588.25	1.1	3590.75	1.6
3577.19	1.4	3580.08	1.2	3582.98	1.5	3585.52	4.4	3588.30	1.4	3590.79	1.6
3577.25	8.4+00	3580.13	1.3	3583.00	1.5	3585.59	7.3	3588.33	1.4	3590.82	1.6
3577.34	1.5+01	3580.21	9.0+00	3583.05	1.6	3585.72	1.8	3588.39	1.8	3590.87	1.6
3577.46	9.3+00	3580.27	1.2+01	3583.09	1.6	3585.80	5.9	3588.41	1.9	3590.94	1.5
3577.55	1.5+01	3580.31	1.2	3583.12	1.5	3585.84	7.0	3588.44	1.8	3591.00	8.3+00
3577.62	1.5	3580.35	1.2	3583.18	1.6	3585.91	1.0+01	3588.55	4.6+00	3591.02	7.8
3577.75	1.2	3580.42	7.4+00	3583.23	1.3	3585.96	1.3	3588.58	5.2	3591.08	1.5+01
3577.79	1.1	3580.48	9.0	3583.27	1.3	3586.00	1.0	3588.62	4.4	3591.12	1.6
3577.88	3.7+00	3580.54	6.6	3583.35	5.2+00	3586.02	8.4+00	3588.70	1.6+01	3591.19	1.5
3577.97	1.1+01	3580.62	8.0	3583.42	1.3+01	3586.05	8.4	3588.74	1.6	3591.25	1.3
3578.00	1.1	3580.85	4.9	3583.46	1.4	3586.12	3.6	3588.78	1.6	3591.28	1.4
3578.05	1.1	3580.94	1.9	3583.49	1.5	3586.20	1.3+01	3588.83	1.7	3591.36	5.9+00
3578.11	8.4+00	3581.00	3.1	3583.52	1.5	3586.23	1.4	3588.93	5.4+00	3591.43	1.1+01
3578.18	1.2+01	3581.03	3.3	3583.56	1.6	3586.25	1.4	3589.00	1.4+01	3591.49	6.4+00
3578.22	1.0	3581.10	2.6	3583.60	1.5	3586.30	1.5	3589.02	1.4	3591.56	1.4+01
3578.29	1.2	3581.18	1.2	3583.63	1.5	3586.34	1.4	3589.11	3.8+00	3591.59	1.5
3578.40	4.2+00	3581.22	9.7-01	3583.71	6.9+00	3586.42	1.7	3589.20	1.5+01	3591.61	1.4
3578.49	8.2	3581.26	1.2+00	3583.80	1.3+01	3586.54	5.7+00	3589.27	1.8	3591.65	1.5
3578.70	1.1	3581.30	2.7	3583.84	1.3	3586.61	1.3+01	3589.31	1.7	3591.71	1.6
3578.73	1.5	3581.52	4.7	3583.93	7.1+00	3586.65	1.4	3589.36	1.7	3591.75	1.5
3578.78	3.7	3581.60	4.9	3584.00	1.4+01	3586.68	1.3	3589.47	5.4+00	3591.79	1.4
3578.86	5.4	3581.66	3.7	3584.02	1.5	3586.74	5.1+00	3589.55	1.5+01	3591.81	1.5
3578.90	5.5	3581.71	6.5	3584.06	1.6	3586.82	9.6	3589.65	3.4+00	3591.83	1.5
3578.94	7.4	3581.75	6.9	3584.10	1.6	3586.98	1.9	3589.71	8.8	3591.85	1.5
3578.97	7.5	3581.82	4.4	3584.17	1.8	3587.00	1.9	3589.77	4.7	3591.90	1.4
3579.00	8.0	3581.90	7.2	3584.21	1.8	3587.08	4.7	3589.85	1.5+01	3591.94	1.4
3579.02	8.6	3581.94	6.2	3584.33	1.5	3587.15	2.3	3589.92	1.6	3592.00	7.5+00
3579.05	8.8	3581.98	9.8	3584.37	1.6	3587.19	2.0	3589.98	1.2	3592.03	4.9
3579.09	1.0+01	3582.00	1.0+01	3584.41	1.6	3587.25	3.1	3590.00	1.1	3592.12	1.5+01
3579.24	1.3	3582.03	1.1	3584.44	1.7	3587.32	9.9	3590.03	1.0	3592.16	1.5
3579.31	1.3	3582.08	9.2+00	3584.54	7.1+00	3587.35	9.5	3590.10	5.8+00	3592.21	1.5

WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX	WAVELENGTH	FLUX
3592.27	1.4+01	3594.00	1.0+01	3595.19	1.5+01	3596.60	1.7+01	3597.90	1.4+01	3598.94	6.0+00
3592.31	1.5	3594.05	1.1	3595.30	5.3+00	3596.66	1.6	3597.94	1.4	3598.97	5.8
3592.36	1.6	3594.11	1.3	3595.38	1.5+01	3596.73	1.7	3597.98	1.5	3599.00	7.9
3592.42	1.5	3594.16	1.4	3595.48	1.6	3596.76	1.7	3598.00	1.4	3599.06	1.2+01
3592.48	7.8+00	3594.21	1.5	3595.53	1.6	3596.84	1.7	3598.07	1.5	3599.14	5.2+00
3592.55	1.3+01	3594.23	1.5	3595.55	1.6	3596.89	1.6	3598.12	1.5	3599.22	1.4+01
3592.67	5.4+00	3594.26	1.5	3595.61	1.6	3596.94	1.5	3598.16	1.3	3599.26	1.5
3592.75	1.4+01	3594.32	1.4	3595.67	1.3	3597.00	8.5+00	3598.19	1.2	3599.31	1.5
3592.79	1.5	3594.34	1.4	3595.72	1.5	3597.05	4.6	3598.26	8.3+00	3599.38	1.3
3592.84	1.4	3594.39	1.4	3595.76	1.6	3597.13	1.3+01	3598.36	1.5+01	3599.47	1.5
3592.90	7.6+00	3594.44	1.5	3595.81	1.5	3597.16	1.4	3598.43	1.6	3599.53	1.2
3592.98	1.4+01	3594.47	1.4	3595.86	8.0+00	3597.21	1.6	3598.46	1.6	3599.57	1.1
3593.00	1.4	3594.48	1.4	3595.94	1.4+01	3597.28	1.6	3598.47	1.6	3599.63	5.5+00
3593.09	8.7+00	3594.51	1.3	3596.00	8.5+00	3597.30	1.6	3598.52	1.6	3599.72	1.4+01
3593.17	1.3+01	3594.55	9.3+00	3596.05	3.9	3597.40	1.6	3598.57	1.6	3599.75	1.5
3593.35	2.9+00	3594.63	3.2	3596.14	1.2+01	3597.44	1.5	3598.62	1.5	3599.77	1.5
3593.39	3.7	3594.72	1.1+01	3596.20	6.1+00	3597.52	1.4	3598.66	1.4	3599.81	1.5
3593.50	1.1	3594.77	1.3	3596.28	1.6+01	3597.54	1.3	3598.72	6.6+00	3599.86	1.5
3593.66	9.1	3594.87	3.9+00	3596.32	1.6	3597.71	2.2+00	3598.79	1.4+01	3599.90	1.3
3593.73	1.1+01	3594.98	1.5+01	3596.36	1.7	3597.81	9.0	3598.82	1.5	3599.97	7.3+00
3593.78	1.1	3595.00	1.5	3596.45	1.6	3597.84	9.8	3598.84	1.5	3600.00	1.1+01
3593.88	1.4	3595.10	6.7+00	3596.51	1.2						

CPU TIME = 24 SECONDS