

# Density-sensitive X-ray lines between 31 – 175 Å

Randall Smith, Nancy Brickhouse, Duane Liedahl, John Raymond

May 23, 2002

## Introduction

We present tables of density-sensitive lines with wavelengths between 31 – 175 Å (corresponding to *Chandra*'s LETG range without overlapping the HETG range) for a collisional plasma at  $T = 10^5, 10^{5.5}, 10^6, 10^{6.5}, 10^7, 10^{7.5}$  K. A temperature of  $10^8$  K was also considered but no density-sensitive lines were found.

Our method was to calculate line emissivities at a range of densities from  $10^5$  – – –  $10^{15}$   $\text{cm}^{-3}$  and then to calculate the mean and standard deviation of each line's emissivity vector. If the standard deviation was more than 10% of the mean, we marked the line as density-sensitive. This criterion is *ad-hoc* but quite effective; most non-density-sensitive lines have a ratio of standard deviation to mean of much less than 0.1.

After selecting the lines, we fit the emissivity curve  $\Lambda(n)$  to a function of the form

$$\Lambda(n) = c_0 + c_1 \exp(-n/n_0) \tag{1}$$

to find the characteristic density for the line. Of course, some emissivity curves are more complex than this. If this function was a poor fit, we added a second term as follows:

$$\Lambda(n) = c_0 + c_1 \exp(-n/n_0) + c_2 \exp(-n/n_1) \tag{2}$$

In most cases, adding a second term led to an adequate fit. If not, however, we give in the table the best-fit characteristic density from the single-term fit and mark the line as a “Bad Fit.” Plots of the emissivity curve and the best one- and two-density fits are shown after the tables. By examining these “unacceptable” fits it is easy to get a sense of the quality of the acceptable fits.

Of course, not all density-sensitive lines are easy to see. To highlight the strong lines, those whose peak emissivity is greater than  $10^{-17}$   $\text{erg cm}^3 \text{ s}^{-1}$  are printed with boldface wavelengths.

Table 1: Temperature = 100000.K

Ion	$\lambda$ ( $\text{\AA}$ )	Transition	Peak $\Lambda$	$\Lambda(\text{Low } n)$	$\Lambda(\text{High } n)$	$\log n_0$	$\log n_1$
O IV	161.7190	42 $\rightarrow$ 1	8.27E-19	3.90E-20	4.91E-19	11.11	Bad Fit
O IV	161.7780	57 $\rightarrow$ 2	8.24E-19	3.86E-20	3.94E-19	-Inf	10.97
O V	171.5740	15 $\rightarrow$ 1	4.21E-19	8.04E-20	4.13E-19	11.57	-

Table 2: Temperature = 316228. K

Ion	$\lambda$ (Å)	Transition	Peak $\Lambda$	$\Lambda$ (Low $n$ )	$\Lambda$ (High $n$ )	$\log n_0$	$\log n_1$
C V	40.2674	7 $\rightarrow$ 1	4.54E-18	2.47E-18	4.54E-18	12.94	–
C V	40.7302	5 $\rightarrow$ 1	4.34E-18	3.82E-19	3.61E-18	10.01	–
C V	41.4715	2 $\rightarrow$ 1	4.52E-18	4.52E-18	3.06E-20	10.00	–
S VII	<b>72.8980</b>	2 $\rightarrow$ 1	6.35E-17	6.22E-17	2.36E-19	12.77	–
Mg VII	83.7640	42 $\rightarrow$ 3	7.01E-19	1.39E-19	5.49E-19	6.99	–
Mg VII	83.9100	39 $\rightarrow$ 1	2.01E-18	2.01E-18	3.44E-19	6.91	–
Mg VII	83.9590	40 $\rightarrow$ 2	1.40E-18	8.09E-19	7.58E-19	9.35	–
Mg VII	83.9880	39 $\rightarrow$ 2	9.56E-19	9.56E-19	1.63E-19	6.91	–
Mg VII	84.0250	41 $\rightarrow$ 3	1.61E-18	2.84E-19	1.18E-18	6.95	–
Mg VII	85.4070	46 $\rightarrow$ 4	1.10E-18	1.71E-19	1.04E-18	9.33	–
Ne VII	87.2240	35 $\rightarrow$ 1	9.36E-19	1.19E-19	9.36E-19	12.47	7.15
Ne VI	88.8880	61 $\rightarrow$ 2	2.21E-18	1.24E-18	1.55E-18	6.47	12.45
Ne VI	91.2220	44 $\rightarrow$ 2	6.37E-19	8.16E-20	6.37E-19	12.43	–
Ne VI	91.8560	42 $\rightarrow$ 1	1.89E-18	1.07E-19	1.87E-18	12.56	–
Ne VI	91.9370	57 $\rightarrow$ 2	1.09E-18	5.99E-20	1.08E-18	12.44	–
Fe VIII	<b>93.4690</b>	11 $\rightarrow$ 1	5.11E-17	5.11E-17	1.70E-17	9.83	–
Fe VIII	<b>93.6160</b>	12 $\rightarrow$ 2	2.49E-17	1.92E-20	2.49E-17	9.83	–
Fe VIII	93.6300	11 $\rightarrow$ 2	5.58E-18	5.58E-18	1.86E-18	9.83	–
Ne VII	94.3140	21 $\rightarrow$ 3	1.23E-18	2.08E-19	1.23E-18	12.43	–
Ne VII	94.3600	32 $\rightarrow$ 4	1.02E-18	7.09E-20	1.02E-18	12.40	–
Ne VII	94.9850	29 $\rightarrow$ 4	4.21E-19	7.52E-20	4.21E-19	12.42	–
Ne VII	95.7510	23 $\rightarrow$ 4	6.52E-18	4.70E-19	6.52E-18	12.47	7.15
Ne VII	95.8140	31 $\rightarrow$ 3	6.79E-19	6.52E-20	6.79E-19	12.42	–
Ne VII	95.8690	28 $\rightarrow$ 2	8.92E-19	1.88E-19	8.92E-19	12.38	–
Ne VII	95.9100	28 $\rightarrow$ 3	5.92E-19	1.25E-19	5.92E-19	12.38	–
Ne VI	96.4280	40 $\rightarrow$ 2	3.01E-18	1.86E-18	2.12E-18	6.47	12.46
Si V	<b>97.1430</b>	24 $\rightarrow$ 1	1.53E-17	7.44E-18	1.53E-17	15.28	–
Ne VII	<b>97.2270</b>	15 $\rightarrow$ 1	1.49E-17	2.80E-18	1.49E-17	12.45	–
Ne VII	<b>97.4950</b>	13 $\rightarrow$ 1	2.10E-17	2.10E-17	1.46E-17	12.41	–
Mg VII	98.0310	24 $\rightarrow$ 4	4.32E-19	1.28E-19	4.09E-19	9.39	–
Si V	98.2090	17 $\rightarrow$ 1	4.51E-18	2.95E-18	4.51E-18	14.84	–
Fe VIII	98.3710	9 $\rightarrow$ 1	5.62E-18	5.62E-18	4.35E-18	9.83	–
Fe VIII	<b>98.5480</b>	10 $\rightarrow$ 2	5.57E-17	1.36E-20	5.57E-17	9.83	–
Ne VI	100.6040	22 $\rightarrow$ 1	5.12E-18	3.54E-18	2.97E-18	4.81	12.59
Ne VI	100.7360	22 $\rightarrow$ 2	9.98E-18	6.89E-18	5.79E-18	4.77	12.59
Ne VI	<b>101.2200</b>	38 $\rightarrow$ 1	1.93E-17	1.32E-17	1.12E-17	4.72	12.59
Ne VI	<b>101.2500</b>	21 $\rightarrow$ 1	1.40E-17	1.11E-17	8.24E-18	4.26	12.54
Ne VI	<b>101.3540</b>	38 $\rightarrow$ 2	2.13E-17	1.46E-17	1.24E-17	4.71	12.59
Ne VI	101.3850	21 $\rightarrow$ 2	7.51E-18	5.97E-18	4.43E-18	6.44	12.46
Ne VI	101.4200	37 $\rightarrow$ 1	1.83E-18	1.13E-18	1.05E-18	6.46	12.46
Ne VI	<b>101.5400</b>	54 $\rightarrow$ 2	4.16E-17	2.76E-17	2.40E-17	4.26	12.60
Ne VI	<b>101.5550</b>	37 $\rightarrow$ 2	3.79E-17	2.33E-17	2.17E-17	6.46	12.46
Ne VI	101.7520	101 $\rightarrow$ 3	9.37E-19	6.47E-20	9.37E-19	12.45	–
Ne VI	101.7980	101 $\rightarrow$ 4	1.97E-18	1.36E-19	1.97E-18	12.45	–
Ne VI	101.8650	101 $\rightarrow$ 5	3.17E-18	2.19E-19	3.17E-18	12.45	–
Ne VII	102.2440	22 $\rightarrow$ 5	3.45E-18	1.36E-19	3.45E-18	12.47	–
Ne VII	103.0900	33 $\rightarrow$ 5	2.35E-18	3.62E-19	2.35E-18	12.45	–
Ne VI	103.5800	115 $\rightarrow$ 4	1.61E-18	2.96E-19	1.61E-18	12.42	–
Ne VI	103.5940	99 $\rightarrow$ 3	1.66E-18	3.08E-19	1.66E-18	12.52	–
Ne VI	103.6410	99 $\rightarrow$ 4	6.80E-19	1.26E-19	6.80E-19	12.52	–

Ion	$\lambda$ (Å)	Transition	Peak $\Lambda$	$\Lambda$ (Low $n$ )	$\Lambda$ (High $n$ )	$\log n_0$	$\log n_1$
Ne VI	103.6490	115 $\rightarrow$ 5	4.38E-18	8.04E-19	4.38E-18	12.42	–
Ne VI	103.6810	83 $\rightarrow$ 4	1.75E-18	3.24E-19	1.75E-18	12.34	–
Ne VI	103.7100	99 $\rightarrow$ 5	1.74E-18	3.23E-19	1.74E-18	12.52	–
Ne VI	103.9730	82 $\rightarrow$ 3	1.55E-18	4.28E-19	1.55E-18	12.60	–
Ne VI	103.9730	98 $\rightarrow$ 3	1.63E-18	4.33E-19	1.63E-18	12.46	–
Ne VI	104.0210	98 $\rightarrow$ 4	1.87E-18	4.95E-19	1.87E-18	12.46	–
Ne VI	104.0210	114 $\rightarrow$ 4	3.99E-18	1.00E-18	3.99E-18	12.34	–
Ne VI	104.0900	114 $\rightarrow$ 5	1.44E-18	3.62E-19	1.44E-18	12.34	–
Ne VI	<b>104.0900</b>	123 $\rightarrow$ 5	3.63E-17	3.12E-18	3.63E-17	12.48	–
Ne VII	<b>106.0410</b>	17 $\rightarrow$ 2	1.16E-17	3.41E-18	1.16E-17	12.45	–
Ne VII	<b>106.0860</b>	18 $\rightarrow$ 3	2.59E-17	6.16E-18	2.59E-17	12.45	–
Ne VII	106.0920	17 $\rightarrow$ 3	8.65E-18	2.55E-18	8.65E-18	12.45	–
Ne VII	<b>106.1900</b>	19 $\rightarrow$ 4	4.81E-17	1.25E-17	4.81E-17	12.37	–
Ne VII	106.1980	18 $\rightarrow$ 4	8.61E-18	2.05E-18	8.61E-18	12.45	–
Ne VII	106.2040	17 $\rightarrow$ 4	5.74E-19	1.69E-19	5.74E-19	12.45	–
Ne VI	106.4430	105 $\rightarrow$ 8	1.34E-18	8.87E-19	7.66E-19	4.69	12.60
Ne VII	107.0990	27 $\rightarrow$ 5	1.18E-18	2.34E-19	1.18E-18	12.44	–
Ne VI	107.2720	104 $\rightarrow$ 7	1.78E-18	1.03E-18	1.14E-18	6.47	12.46
Fe VIII	<b>107.8680</b>	7 $\rightarrow$ 1	3.64E-16	3.64E-16	1.21E-16	9.83	–
Fe VIII	<b>108.0770</b>	8 $\rightarrow$ 2	1.72E-16	4.19E-20	1.72E-16	9.83	–
Fe VIII	<b>108.0820</b>	7 $\rightarrow$ 2	2.65E-17	2.65E-17	8.80E-18	9.83	–
Ne VI	109.0300	124 $\rightarrow$ 7	9.85E-18	6.62E-18	5.64E-18	4.76	12.59
Ne VI	109.0740	117 $\rightarrow$ 6	4.60E-18	3.52E-18	2.66E-18	6.44	12.46
Ne VI	<b>109.3060</b>	20 $\rightarrow$ 1	1.37E-17	9.07E-18	8.34E-18	6.46	12.46
Ne VI	<b>109.4630</b>	20 $\rightarrow$ 2	2.84E-17	1.87E-17	1.72E-17	6.46	12.46
Ne VII	109.9780	43 $\rightarrow$ 8	1.63E-18	3.07E-19	1.63E-18	12.43	–
Ne VII	110.5300	36 $\rightarrow$ 6	5.41E-19	1.21E-19	5.41E-19	12.43	–
Ne VII	110.5620	42 $\rightarrow$ 7	9.15E-19	1.58E-19	9.15E-19	12.40	–
Ne VII	110.6300	45 $\rightarrow$ 8	1.30E-18	6.15E-19	1.30E-18	12.42	–
Ne VI	<b>111.0990</b>	36 $\rightarrow$ 1	1.54E-16	1.50E-16	1.05E-16	12.46	–
Ne VI	<b>111.1620</b>	53 $\rightarrow$ 2	5.65E-16	3.15E-16	3.44E-16	6.47	12.46
Mg VI	111.1720	23 $\rightarrow$ 4	8.92E-19	1.30E-20	8.92E-19	9.72	–
Mg VI	111.1860	23 $\rightarrow$ 5	1.65E-18	2.39E-20	1.65E-18	9.72	–
Ne VI	<b>111.2610</b>	36 $\rightarrow$ 2	3.30E-17	3.22E-17	2.25E-17	12.46	–
Mg VI	<b>111.5520</b>	18 $\rightarrow$ 1	2.23E-17	2.23E-17	1.48E-17	7.97	–
Mg VI	<b>111.7460</b>	17 $\rightarrow$ 1	1.43E-17	1.43E-17	9.92E-18	8.35	–
Ne VII	111.8070	46 $\rightarrow$ 9	1.66E-18	1.66E-18	1.03E-18	12.41	–
Mg VI	111.8640	16 $\rightarrow$ 1	6.98E-18	6.98E-18	5.01E-18	9.01	–
Mg VII	111.9840	32 $\rightarrow$ 9	6.67E-19	1.24E-19	4.90E-19	6.95	–
Mg VII	112.2690	30 $\rightarrow$ 8	9.67E-19	9.67E-19	1.18E-19	6.80	–
Mg VI	113.1910	22 $\rightarrow$ 2	5.37E-18	9.39E-19	5.37E-18	8.32	–
Mg VI	113.1930	21 $\rightarrow$ 3	7.29E-18	1.84E-18	7.28E-18	8.84	–
Mg VI	113.1950	21 $\rightarrow$ 2	7.52E-19	1.90E-19	7.52E-19	8.84	–
Ne VI	113.3310	35 $\rightarrow$ 1	5.46E-18	3.94E-19	5.38E-18	12.27	–
Ne VI	<b>113.4390</b>	52 $\rightarrow$ 2	1.54E-16	1.02E-17	1.52E-16	12.48	–
Ne VI	<b>113.4920</b>	35 $\rightarrow$ 2	2.92E-17	2.11E-18	2.88E-17	12.27	–
Ne VI	<b>113.9970</b>	51 $\rightarrow$ 2	3.39E-17	1.94E-17	9.52E-18	16.41	Bad Fit
Ne VI	<b>114.0690</b>	32 $\rightarrow$ 1	6.06E-17	3.74E-17	3.99E-17	6.46	12.45
Ne VI	<b>114.1300</b>	17 $\rightarrow$ 1	7.25E-17	6.26E-17	5.27E-17	5.48	–
Ne VI	<b>114.2400</b>	32 $\rightarrow$ 2	2.70E-16	1.67E-16	1.77E-16	4.30	Bad Fit

Ion	$\lambda$ (Å)	Transition	Peak $\Lambda$	$\Lambda$ (Low $n$ )	$\Lambda$ (High $n$ )	$\log n_0$	$\log n_1$
Ne VI	<b>114.3010</b>	17 $\rightarrow$ 2	3.34E-17	2.89E-17	2.43E-17	5.54	–
Ne VII	115.3320	11 $\rightarrow$ 2	2.83E-18	1.43E-18	2.83E-18	12.42	–
Ne VII	115.3920	11 $\rightarrow$ 3	8.46E-18	4.27E-18	8.46E-18	12.42	–
Ne VII	<b>115.5250</b>	11 $\rightarrow$ 4	1.40E-17	7.09E-18	1.40E-17	12.42	–
Ne VII	<b>116.6930</b>	20 $\rightarrow$ 5	3.74E-17	3.74E-17	2.17E-17	12.41	–
Mg VI	116.9710	22 $\rightarrow$ 4	1.72E-18	3.00E-19	1.72E-18	8.32	–
Mg VI	116.9860	22 $\rightarrow$ 5	8.11E-19	1.42E-19	8.11E-19	8.32	–
Mg VI	116.9890	21 $\rightarrow$ 5	2.62E-18	6.62E-19	2.62E-18	8.84	–
Ne VI	117.1870	97 $\rightarrow$ 7	1.59E-18	1.18E-18	9.20E-19	3.61	12.56
Ne VI	117.1910	80 $\rightarrow$ 6	1.12E-18	6.85E-19	6.36E-19	6.46	12.46
Mg VI	117.2280	19 $\rightarrow$ 2	4.15E-18	2.86E-18	4.14E-18	8.52	–
Ne VI	<b>117.4760</b>	113 $\rightarrow$ 7	1.79E-17	1.17E-17	1.02E-17	6.46	12.46
Ne VI	117.4800	113 $\rightarrow$ 6	1.43E-18	9.36E-19	8.20E-19	6.46	12.46
Ne VI	117.4930	96 $\rightarrow$ 7	1.13E-18	8.54E-19	6.57E-19	4.17	12.56
Ne VI	<b>117.4970</b>	96 $\rightarrow$ 6	1.05E-17	7.88E-18	6.07E-18	2.35	12.56
Ne VI	118.6230	112 $\rightarrow$ 7	6.00E-18	4.97E-18	3.50E-18	12.53	–
Ne VI	<b>118.6230</b>	122 $\rightarrow$ 7	1.60E-16	9.87E-17	9.08E-17	6.46	12.46
Ne VI	<b>118.6270</b>	112 $\rightarrow$ 6	8.15E-17	6.76E-17	4.76E-17	12.53	–
Si V	<b>118.9640</b>	3 $\rightarrow$ 1	2.84E-16	1.74E-16	2.72E-16	9.63	–
Si V	<b>119.3290</b>	2 $\rightarrow$ 1	2.05E-16	2.02E-16	1.48E-20	9.58	–
Ne VII	120.2010	39 $\rightarrow$ 7	6.71E-19	5.95E-20	6.71E-19	12.41	–
Ne VI	<b>120.2080</b>	77 $\rightarrow$ 3	1.18E-17	1.87E-18	1.18E-17	12.30	–
Ne VI	<b>120.2440</b>	93 $\rightarrow$ 3	6.06E-17	1.05E-17	6.06E-17	12.50	–
Ne VI	<b>120.2720</b>	77 $\rightarrow$ 4	8.16E-17	1.30E-17	8.16E-17	12.30	–
Ne VII	120.2740	34 $\rightarrow$ 6	1.48E-18	1.70E-19	1.48E-18	12.44	–
Ne VI	<b>120.3090</b>	93 $\rightarrow$ 4	3.59E-17	6.21E-18	3.59E-17	12.50	–
Ne VII	120.3290	39 $\rightarrow$ 8	1.98E-18	1.76E-19	1.98E-18	12.41	–
Ne VII	120.3480	34 $\rightarrow$ 7	1.10E-18	1.26E-19	1.10E-18	12.44	–
Ne VI	<b>120.3520</b>	110 $\rightarrow$ 4	5.12E-17	1.03E-17	5.12E-17	12.44	–
Ne VI	<b>120.4020</b>	93 $\rightarrow$ 5	8.81E-17	1.52E-17	8.81E-17	12.50	–
Ne VI	<b>120.4450</b>	110 $\rightarrow$ 5	2.20E-16	4.40E-17	2.20E-16	12.44	–
Ne VII	120.4760	34 $\rightarrow$ 8	1.83E-18	2.10E-19	1.83E-18	12.44	–
Ne VI	120.8080	92 $\rightarrow$ 3	2.72E-18	2.11E-18	1.94E-18	5.52	–
Ne VI	<b>120.8440</b>	109 $\rightarrow$ 4	1.16E-17	7.49E-18	7.99E-18	6.46	12.46
Ne VI	120.8730	92 $\rightarrow$ 4	5.96E-18	4.63E-18	4.25E-18	5.54	–
Ne VI	<b>120.9380</b>	109 $\rightarrow$ 5	2.28E-17	1.47E-17	1.57E-17	6.46	12.46
Ne VII	120.9540	35 $\rightarrow$ 9	3.36E-18	4.26E-19	3.36E-18	12.47	7.15
Ne VI	120.9670	92 $\rightarrow$ 5	1.09E-18	8.47E-19	7.78E-19	5.54	–
Ne VI	<b>121.0490</b>	91 $\rightarrow$ 3	1.48E-16	1.82E-17	1.48E-16	12.48	–
Ne VI	<b>121.0640</b>	76 $\rightarrow$ 3	1.39E-16	1.65E-17	1.39E-16	12.63	–
Ne VI	<b>121.1000</b>	108 $\rightarrow$ 4	3.61E-16	4.45E-17	3.61E-16	12.32	–
Ne VI	<b>121.1140</b>	91 $\rightarrow$ 4	1.61E-16	1.97E-17	1.61E-16	12.48	–
Ne VI	<b>121.1290</b>	76 $\rightarrow$ 4	2.38E-17	2.81E-18	2.38E-17	12.63	–
Ne VI	<b>121.1500</b>	120 $\rightarrow$ 5	6.28E-16	6.50E-17	6.28E-16	12.49	–
Ne VI	<b>121.1940</b>	108 $\rightarrow$ 5	1.12E-16	1.37E-17	1.12E-16	12.32	–
Ne VI	<b>121.2090</b>	91 $\rightarrow$ 5	1.11E-17	1.36E-18	1.11E-17	12.48	–
Mg VI	121.2870	19 $\rightarrow$ 4	1.72E-18	1.18E-18	1.71E-18	8.52	–
Ne VII	121.7740	38 $\rightarrow$ 10	8.76E-19	3.86E-20	8.76E-19	12.45	–
Ne VI	<b>122.4880</b>	19 $\rightarrow$ 1	1.33E-16	1.05E-17	1.33E-16	12.67	–
Ne VI	<b>122.4880</b>	31 $\rightarrow$ 1	2.55E-15	2.40E-15	1.51E-15	12.48	–

Ion	$\lambda$ (Å)	Transition	Peak $\Lambda$	$\Lambda$ (Low $n$ )	$\Lambda$ (High $n$ )	$\log n_0$	$\log n_1$
Ne VI	<b>122.6850</b>	19 $\rightarrow$ 2	2.69E-17	2.11E-18	2.69E-17	12.67	–
Ne VI	<b>122.6850</b>	20 $\rightarrow$ 2	1.06E-16	7.02E-17	6.46E-17	6.46	12.46
Ne VI	<b>122.6850</b>	31 $\rightarrow$ 2	5.10E-16	4.81E-16	3.01E-16	12.48	–
Ne VI	<b>122.6850</b>	50 $\rightarrow$ 2	7.51E-15	4.37E-15	4.25E-15	6.46	12.46
Ne VI	123.4960	102 $\rightarrow$ 10	2.06E-18	1.22E-18	1.88E-18	6.39	–
Ne VI	<b>124.7700</b>	80 $\rightarrow$ 8	1.73E-17	1.06E-17	9.85E-18	6.46	12.46
Ne VI	<b>124.7700</b>	97 $\rightarrow$ 8	2.59E-17	1.92E-17	1.50E-17	4.55	12.56
Ne VI	125.0940	116 $\rightarrow$ 10	2.60E-18	9.80E-19	2.60E-18	12.39	–
Ne VI	125.1170	100 $\rightarrow$ 9	1.48E-18	6.02E-19	1.48E-18	12.41	–
Ne VI	126.3310	49 $\rightarrow$ 14	1.61E-18	1.39E-18	9.49E-19	12.52	–
Ne VI	126.3620	64 $\rightarrow$ 15	3.97E-18	2.43E-18	2.28E-18	6.46	12.46
Ne VII	<b>127.6650</b>	12 $\rightarrow$ 5	4.30E-17	4.30E-17	2.03E-17	12.42	–
Ne VI	127.6710	27 $\rightarrow$ 11	5.20E-18	3.24E-19	5.20E-18	12.47	–
Ne VI	<b>127.7060</b>	45 $\rightarrow$ 11	1.05E-17	6.33E-19	1.05E-17	12.44	–
Ne VI	127.7070	48 $\rightarrow$ 13	3.52E-18	2.18E-18	2.02E-18	6.46	12.46
Ne VI	<b>127.7080</b>	80 $\rightarrow$ 9	1.67E-17	1.02E-17	9.50E-18	6.46	12.46
Ne VI	127.7080	97 $\rightarrow$ 9	7.39E-18	5.49E-18	4.26E-18	4.52	12.56
Ne VI	127.7560	29 $\rightarrow$ 12	1.51E-18	1.31E-18	8.95E-19	12.51	–
Ne VI	<b>127.7700</b>	60 $\rightarrow$ 11	1.58E-17	9.26E-19	1.58E-17	12.46	–
Ne VI	127.8420	80 $\rightarrow$ 10	8.32E-18	5.09E-18	4.72E-18	6.46	12.46
Ne VI	<b>127.8420</b>	97 $\rightarrow$ 10	3.47E-17	2.58E-17	2.00E-17	6.45	12.46
Ne VI	<b>128.0710</b>	96 $\rightarrow$ 9	7.04E-17	5.30E-17	4.08E-17	4.49	12.56
Ne VII	128.0770	40 $\rightarrow$ 9	2.56E-18	1.41E-19	2.56E-18	12.41	–
Ne VI	128.1800	70 $\rightarrow$ 13	2.23E-18	9.58E-19	2.23E-18	12.37	–
Ne VI	<b>128.1860</b>	113 $\rightarrow$ 10	1.45E-16	9.49E-17	8.31E-17	6.46	12.46
Ne VI	<b>128.2050</b>	96 $\rightarrow$ 10	1.41E-17	1.06E-17	8.15E-18	4.44	12.56
Ne VI	128.6650	81 $\rightarrow$ 10	8.78E-19	1.83E-19	8.78E-19	12.44	–
Ne VI	<b>129.0040</b>	58 $\rightarrow$ 11	1.57E-17	1.56E-18	1.57E-17	12.55	–
Ne VI	129.0140	44 $\rightarrow$ 11	1.30E-18	1.67E-19	1.30E-18	12.43	–
Ne VI	129.2680	79 $\rightarrow$ 6	9.15E-19	7.13E-19	5.64E-19	4.66	12.56
Ne VI	129.3310	95 $\rightarrow$ 7	3.25E-18	2.08E-18	1.95E-18	6.46	12.46
Ne VI	129.3360	95 $\rightarrow$ 6	7.45E-19	4.78E-19	4.47E-19	6.46	12.46
Ne VI	<b>130.2580</b>	121 $\rightarrow$ 7	8.27E-16	4.62E-16	4.98E-16	4.27	Bad Fit
Ne VI	<b>130.3940</b>	111 $\rightarrow$ 7	2.71E-17	2.58E-17	1.77E-17	12.47	–
Ne VI	<b>130.3990</b>	111 $\rightarrow$ 6	3.49E-16	3.33E-16	2.29E-16	12.47	–
Ne VI	130.4490	57 $\rightarrow$ 11	6.54E-19	3.59E-20	6.48E-19	12.44	–
Ne VI	130.5120	62 $\rightarrow$ 13	6.87E-18	3.90E-18	4.03E-18	6.46	12.46
Ne VI	130.5600	47 $\rightarrow$ 12	2.48E-18	2.48E-18	1.53E-18	12.45	–
Fe VIII	<b>130.9410</b>	5 $\rightarrow$ 1	2.02E-15	2.02E-15	6.71E-16	9.83	–
Fe VIII	<b>131.2400</b>	6 $\rightarrow$ 2	9.52E-16	2.32E-19	9.52E-16	9.83	–
Fe VIII	<b>131.2570</b>	5 $\rightarrow$ 2	1.46E-16	1.46E-16	4.84E-17	9.83	–
Ne VI	<b>131.3600</b>	94 $\rightarrow$ 7	6.90E-17	4.42E-17	4.10E-17	6.46	12.46
Ne VI	<b>131.3650</b>	78 $\rightarrow$ 6	3.27E-17	2.70E-17	1.99E-17	12.53	–
Ne VI	131.3650	94 $\rightarrow$ 6	6.67E-18	4.27E-18	3.96E-18	6.46	12.46
Ne VI	131.9540	69 $\rightarrow$ 13	1.73E-18	1.25E-18	9.94E-19	4.52	12.57
Ne VI	132.8710	110 $\rightarrow$ 7	6.45E-19	1.29E-19	6.45E-19	12.44	–
Ne VI	<b>133.1860</b>	61 $\rightarrow$ 13	1.43E-17	8.03E-18	9.99E-18	6.47	12.45
Ne VI	133.2030	61 $\rightarrow$ 12	1.77E-18	9.94E-19	1.24E-18	6.47	12.46
Ne VI	<b>133.4710</b>	109 $\rightarrow$ 7	3.09E-16	2.00E-16	2.13E-16	6.46	12.46
Ne VI	<b>133.4760</b>	109 $\rightarrow$ 6	2.83E-17	1.83E-17	1.95E-17	6.46	12.46

Ion	$\lambda$ (Å)	Transition	Peak $\Lambda$	$\Lambda(\text{Low } n)$	$\Lambda(\text{High } n)$	$\log n_0$	$\log n_1$
Ne VI	<b>133.5060</b>	92 $\rightarrow$ 7	1.87E-17	1.45E-17	1.33E-17	5.53	–
Ne VI	<b>133.5120</b>	92 $\rightarrow$ 6	1.77E-16	1.37E-16	1.26E-16	5.52	–
Ne VII	133.6400	35 $\rightarrow$ 10	7.35E-19	9.34E-20	7.35E-19	12.47	7.15
Ne VI	133.7830	108 $\rightarrow$ 7	1.29E-18	1.59E-19	1.29E-18	12.32	–
Ne VI	133.8060	91 $\rightarrow$ 6	4.84E-19	5.92E-20	4.84E-19	12.48	–
Ne VII	135.2840	15 $\rightarrow$ 6	1.35E-18	2.52E-19	1.35E-18	12.45	–
Ne VII	135.3300	16 $\rightarrow$ 7	8.30E-18	1.73E-18	8.30E-18	12.38	–
Ne VII	135.3770	15 $\rightarrow$ 7	9.80E-19	1.84E-19	9.80E-19	12.45	–
Ne VII	135.4020	14 $\rightarrow$ 7	6.45E-18	1.72E-18	6.45E-18	12.42	–
Ne VII	<b>135.4920</b>	16 $\rightarrow$ 8	2.39E-17	4.97E-18	2.39E-17	12.38	–
Ne VII	135.5390	15 $\rightarrow$ 8	1.59E-18	2.98E-19	1.59E-18	12.45	–
Ne VI	135.7280	30 $\rightarrow$ 14	1.01E-18	6.93E-19	5.81E-19	4.71	12.59
Ne VI	135.7370	30 $\rightarrow$ 15	2.24E-18	1.53E-18	1.28E-18	4.69	12.59
Ne VI	135.7740	48 $\rightarrow$ 14	1.37E-18	8.46E-19	7.87E-19	6.46	12.46
Ne VI	135.7880	48 $\rightarrow$ 15	7.48E-18	4.63E-18	4.30E-18	6.46	12.46
Ne VI	135.8300	29 $\rightarrow$ 14	2.13E-18	1.85E-18	1.26E-18	12.51	–
Ne VI	135.8430	29 $\rightarrow$ 15	1.02E-18	8.83E-19	6.04E-19	12.51	–
Ne VI	<b>136.2200</b>	106 $\rightarrow$ 4	3.51E-17	1.57E-17	3.50E-17	6.85	–
Ne VI	<b>136.2790</b>	88 $\rightarrow$ 3	3.13E-17	1.97E-17	3.12E-17	12.56	–
Ne VI	<b>136.3400</b>	106 $\rightarrow$ 5	8.20E-17	3.66E-17	8.17E-17	6.85	–
Ne VI	136.3610	88 $\rightarrow$ 4	1.00E-17	6.30E-18	9.97E-18	12.56	–
Ne VI	136.3680	74 $\rightarrow$ 3	6.10E-18	4.54E-18	6.08E-18	12.35	–
Ne VI	<b>136.4510</b>	74 $\rightarrow$ 4	3.05E-17	2.27E-17	3.04E-17	12.35	–
Ne VI	<b>136.4810</b>	88 $\rightarrow$ 5	3.39E-17	2.14E-17	3.38E-17	12.56	–
Ne VI	137.1750	68 $\rightarrow$ 13	5.98E-18	1.14E-18	5.98E-18	12.44	–
Ne VI	137.3880	59 $\rightarrow$ 12	4.19E-18	8.67E-19	4.19E-18	12.44	–
Ne VI	<b>138.3870</b>	16 $\rightarrow$ 1	1.90E-16	1.28E-16	1.09E-16	4.78	12.59
Ne VI	<b>138.4360</b>	67 $\rightarrow$ 13	2.18E-17	2.00E-18	2.18E-17	12.41	–
Ne VI	138.4890	26 $\rightarrow$ 12	7.50E-19	2.00E-19	7.50E-19	12.33	–
Ne VI	138.4950	44 $\rightarrow$ 13	1.25E-18	1.60E-19	1.25E-18	12.43	–
Ne VI	138.5010	58 $\rightarrow$ 12	7.65E-19	7.60E-20	7.65E-19	12.55	–
Ne VI	138.5130	44 $\rightarrow$ 12	4.20E-19	5.38E-20	4.20E-19	12.43	–
Ne VI	<b>138.5510</b>	79 $\rightarrow$ 8	1.53E-16	1.20E-16	9.46E-17	4.75	12.56
Ne VI	<b>138.6300</b>	95 $\rightarrow$ 8	3.58E-16	2.30E-16	2.15E-16	6.46	12.46
Ne VI	<b>138.6390</b>	16 $\rightarrow$ 2	3.85E-16	2.60E-16	2.21E-16	5.35	12.51
Ne VI	138.6540	25 $\rightarrow$ 12	6.96E-19	3.57E-19	6.95E-19	12.27	–
Ne VI	139.9140	62 $\rightarrow$ 15	5.85E-18	3.32E-18	3.43E-18	6.46	12.46
Ne VI	139.9410	47 $\rightarrow$ 14	2.16E-18	2.15E-18	1.33E-18	12.45	–
Ne VI	<b>140.0680</b>	66 $\rightarrow$ 13	2.36E-17	1.24E-18	2.33E-17	12.36	–
Ne VI	140.1500	57 $\rightarrow$ 13	9.08E-18	4.98E-19	8.99E-18	12.44	–
Ne VI	140.1690	57 $\rightarrow$ 12	7.16E-18	3.93E-19	7.10E-18	12.44	–
Ne VI	140.2080	42 $\rightarrow$ 13	4.45E-19	2.53E-20	4.41E-19	12.56	–
Ne VI	140.2270	42 $\rightarrow$ 12	9.03E-18	5.13E-19	8.95E-18	12.56	–
Ne VI	<b>140.9630</b>	78 $\rightarrow$ 8	7.78E-17	6.43E-17	4.74E-17	12.53	–
Ne VI	<b>140.9630</b>	94 $\rightarrow$ 8	2.03E-16	1.30E-16	1.20E-16	6.46	12.46
Ne VII	141.0840	15 $\rightarrow$ 9	5.65E-19	1.06E-19	5.65E-19	12.45	–
Ne VI	142.1830	79 $\rightarrow$ 9	2.24E-18	1.75E-18	1.38E-18	4.68	12.56
Ne VI	142.2980	28 $\rightarrow$ 14	9.41E-19	6.46E-19	5.39E-19	4.68	12.59
Ne VI	142.3090	28 $\rightarrow$ 15	1.88E-18	1.29E-18	1.07E-18	4.68	12.59
Ne VI	142.4320	95 $\rightarrow$ 10	2.39E-18	1.54E-18	1.43E-18	6.46	12.46

Ion	$\lambda$ (Å)	Transition	Peak $\Lambda$	$\Lambda$ (Low $n$ )	$\Lambda$ (High $n$ )	$\log n_0$	$\log n_1$
Ne V	<b>142.4350</b>	43 $\rightarrow$ 1	2.27E-16	2.27E-16	1.59E-16	8.24	–
Ne V	<b>142.4410</b>	44 $\rightarrow$ 2	3.98E-16	3.98E-16	2.51E-16	7.98	–
Ne V	<b>142.5190</b>	43 $\rightarrow$ 2	3.81E-16	3.81E-16	2.67E-16	8.24	–
Ne VI	<b>142.5210</b>	23 $\rightarrow$ 11	2.35E-17	1.23E-19	2.35E-17	12.68	–
Ne VI	<b>142.5210</b>	39 $\rightarrow$ 11	4.65E-17	3.20E-19	4.65E-17	12.82	11.69
Ne VI	<b>142.5210</b>	55 $\rightarrow$ 11	6.81E-17	3.26E-19	6.81E-17	12.49	–
Ne V	<b>142.5810</b>	42 $\rightarrow$ 2	1.49E-16	1.40E-16	1.07E-16	8.49	–
Ne V	<b>142.6610</b>	43 $\rightarrow$ 3	4.77E-16	4.77E-16	3.35E-16	8.24	–
Ne V	<b>142.7230</b>	42 $\rightarrow$ 3	1.62E-15	1.53E-15	1.17E-15	8.49	–
Ne VI	<b>142.9920</b>	61 $\rightarrow$ 15	1.23E-17	6.92E-18	8.62E-18	6.47	12.45
Ne V	<b>143.2190</b>	39 $\rightarrow$ 1	1.22E-15	1.22E-15	7.45E-16	7.93	–
Ne V	<b>143.2730</b>	40 $\rightarrow$ 2	2.80E-15	2.80E-15	1.67E-15	8.14	–
Ne V	<b>143.3040</b>	39 $\rightarrow$ 2	7.06E-16	7.06E-16	4.31E-16	7.94	–
Ne V	<b>143.3430</b>	41 $\rightarrow$ 3	4.13E-15	3.83E-15	2.77E-15	8.49	–
Ne V	<b>143.4160</b>	40 $\rightarrow$ 3	4.94E-16	4.94E-16	2.95E-16	8.14	–
Ne V	<b>143.4470</b>	39 $\rightarrow$ 3	2.45E-17	2.45E-17	1.50E-17	7.93	–
Ne VI	143.5190	41 $\rightarrow$ 12	1.19E-18	1.07E-18	7.22E-19	12.50	–
Ne VI	143.5190	56 $\rightarrow$ 13	2.92E-18	1.69E-18	1.68E-18	6.46	12.46
Ne VI	<b>144.7250</b>	78 $\rightarrow$ 9	3.64E-17	3.01E-17	2.22E-17	12.53	–
Ne VI	<b>144.7250</b>	94 $\rightarrow$ 9	1.64E-17	1.05E-17	9.74E-18	6.46	12.46
Ne V	144.8690	38 $\rightarrow$ 2	5.94E-18	3.08E-18	5.38E-18	7.86	–
Ne VI	<b>144.8960</b>	78 $\rightarrow$ 10	1.72E-17	1.42E-17	1.05E-17	12.53	–
Ne VI	<b>144.8960</b>	94 $\rightarrow$ 10	1.00E-16	6.40E-17	5.94E-17	6.46	12.46
Ne V	145.0150	38 $\rightarrow$ 3	1.15E-18	5.94E-19	1.04E-18	7.86	–
Ne V	<b>147.1310</b>	45 $\rightarrow$ 4	2.74E-15	5.17E-16	2.49E-15	7.92	–
Ne VI	<b>147.3340</b>	92 $\rightarrow$ 9	6.43E-17	4.99E-17	4.59E-17	5.53	–
Ne VI	<b>147.4690</b>	109 $\rightarrow$ 10	1.28E-16	8.25E-17	8.81E-17	6.46	12.46
Ne VI	<b>147.5130</b>	92 $\rightarrow$ 10	1.17E-17	9.05E-18	8.31E-18	5.54	–
Ne VI	<b>147.5870</b>	89 $\rightarrow$ 7	2.10E-15	1.16E-15	1.19E-15	6.46	12.46
Ne VI	<b>147.5930</b>	89 $\rightarrow$ 6	2.31E-16	1.28E-16	1.31E-16	6.46	12.46
Ne VI	<b>147.7720</b>	75 $\rightarrow$ 6	7.89E-16	7.89E-16	3.99E-16	12.34	–
Ne VI	147.8510	108 $\rightarrow$ 10	4.84E-19	5.96E-20	4.84E-19	12.32	–
Ne V	<b>148.7830</b>	46 $\rightarrow$ 4	1.81E-17	5.74E-18	1.65E-17	8.67	–
O IV	148.8760	30 $\rightarrow$ 1	8.69E-19	8.69E-19	5.56E-19	11.31	–
Ne V	148.9260	42 $\rightarrow$ 4	3.52E-18	3.33E-18	2.53E-18	8.49	–
O IV	148.9500	30 $\rightarrow$ 2	1.82E-18	1.82E-18	1.16E-18	11.31	–
Ne VI	149.0900	26 $\rightarrow$ 14	2.53E-18	6.74E-19	2.53E-18	12.33	–
Ne VI	149.1010	26 $\rightarrow$ 15	1.23E-18	3.28E-19	1.23E-18	12.33	–
Ne VI	149.1180	44 $\rightarrow$ 14	1.25E-18	1.61E-19	1.25E-18	12.43	–
Ne VI	149.1290	44 $\rightarrow$ 15	5.96E-18	7.64E-19	5.96E-18	12.43	–
Ne VI	149.2810	25 $\rightarrow$ 14	2.17E-18	1.11E-18	2.16E-18	12.27	–
Ne VI	149.2920	25 $\rightarrow$ 15	1.06E-18	5.41E-19	1.05E-18	12.27	–
Ne VI	150.8610	40 $\rightarrow$ 13	6.88E-18	4.25E-18	4.85E-18	6.47	12.46
Ne V	<b>151.4230</b>	38 $\rightarrow$ 4	1.17E-15	6.06E-16	1.06E-15	7.86	–
O IV	151.6040	48 $\rightarrow$ 2	1.95E-18	1.94E-18	1.25E-18	11.31	–
O IV	153.1530	63 $\rightarrow$ 2	1.05E-18	1.04E-18	6.79E-19	11.31	–
Ne V	153.8480	31 $\rightarrow$ 3	1.05E-18	1.05E-18	6.03E-19	8.05	–
Ne V	<b>156.6170</b>	46 $\rightarrow$ 5	7.28E-16	2.31E-16	6.63E-16	8.67	–
Ne V	157.9260	33 $\rightarrow$ 4	2.41E-18	4.90E-19	2.18E-18	7.93	–
Ne VI	159.1120	38 $\rightarrow$ 13	4.86E-18	3.33E-18	2.82E-18	4.72	12.59

Ion	$\lambda$ (Å)	Transition	Peak $\Lambda$	$\Lambda$ (Low $n$ )	$\Lambda$ (High $n$ )	$\log n_0$	$\log n_1$
Ne VI	159.1880	21 $\rightarrow$ 12	3.19E-18	2.53E-18	1.88E-18	4.82	12.54
Ne VI	159.6070	37 $\rightarrow$ 13	3.16E-18	1.95E-18	1.82E-18	6.46	12.46
Ne VI	<b>159.8190</b>	89 $\rightarrow$ 8	3.35E-16	1.86E-16	1.90E-16	6.46	12.46
Ne VI	<b>160.0290</b>	75 $\rightarrow$ 8	1.19E-16	1.19E-16	6.02E-17	12.34	–
O IV	160.3020	44 $\rightarrow$ 1	5.93E-19	5.69E-20	5.72E-19	11.25	–
O IV	160.3070	26 $\rightarrow$ 1	1.94E-18	2.07E-19	1.88E-18	11.10	–
O IV	160.3890	44 $\rightarrow$ 2	3.44E-18	3.31E-19	3.33E-18	11.25	–
O IV	160.3940	26 $\rightarrow$ 2	9.46E-19	1.01E-19	9.14E-19	11.10	–
O IV	161.7190	42 $\rightarrow$ 1	9.57E-18	5.17E-19	6.29E-18	11.25	Bad Fit
O IV	161.7780	57 $\rightarrow$ 2	9.87E-18	5.13E-19	5.45E-18	-Inf	11.07
O IV	161.8070	42 $\rightarrow$ 2	7.96E-19	4.30E-20	5.23E-19	11.25	Bad Fit
Ne VI	163.5660	40 $\rightarrow$ 15	2.38E-18	1.47E-18	1.68E-18	6.47	12.46
Ne VI	<b>164.6720</b>	89 $\rightarrow$ 9	4.05E-17	2.25E-17	2.30E-17	6.46	12.46
Ne VI	<b>164.8950</b>	75 $\rightarrow$ 9	4.55E-17	4.55E-17	2.30E-17	12.35	–
Ne VI	<b>164.8950</b>	89 $\rightarrow$ 10	1.75E-16	9.71E-17	9.94E-17	6.46	12.46
Ne VI	<b>165.1180</b>	75 $\rightarrow$ 10	2.29E-17	2.29E-17	1.16E-17	12.35	–
Ne V	165.2260	24 $\rightarrow$ 1	8.00E-19	2.27E-19	7.24E-19	8.00	–
Ne V	165.3390	24 $\rightarrow$ 2	1.08E-18	3.06E-19	9.77E-19	8.00	–
Ne V	166.7810	33 $\rightarrow$ 5	1.41E-18	2.88E-19	1.28E-18	7.93	–
Ne V	<b>167.8300</b>	21 $\rightarrow$ 2	5.56E-16	5.56E-16	3.67E-16	8.10	–
O IV	168.3070	40 $\rightarrow$ 2	1.75E-18	1.37E-18	1.66E-18	11.22	–
Ne VI	<b>168.7580</b>	87 $\rightarrow$ 7	1.83E-15	1.12E-15	1.04E-15	6.46	12.46
Ne VI	<b>168.7660</b>	87 $\rightarrow$ 6	1.98E-16	1.21E-16	1.12E-16	6.46	12.46
Ne VI	<b>168.8580</b>	73 $\rightarrow$ 6	7.36E-16	7.14E-16	4.36E-16	12.47	–
Fe IX	<b>171.0730</b>	13 $\rightarrow$ 1	1.90E-14	1.90E-14	1.11E-14	10.36	–
O V	<b>171.5740</b>	15 $\rightarrow$ 1	2.58E-15	7.19E-16	2.54E-15	11.55	–
Ne VI	171.8530	38 $\rightarrow$ 15	1.48E-18	1.01E-18	8.58E-19	4.72	12.59
O V	<b>172.1690</b>	13 $\rightarrow$ 1	9.88E-15	9.88E-15	6.16E-15	11.52	–
Ne VI	172.4300	37 $\rightarrow$ 15	9.09E-19	5.61E-19	5.22E-19	6.46	12.46
Ne V	<b>173.9310</b>	24 $\rightarrow$ 4	1.58E-15	4.50E-16	1.44E-15	8.00	–
Fe X	174.5340	30 $\rightarrow$ 1	8.14E-18	8.14E-18	5.21E-18	10.21	–

Table 3: Temperature = 1.00000e + 06 K

Ion	$\lambda$ (Å)	Transition	Peak $\Lambda$	$\Lambda$ (Low $n$ )	$\Lambda$ (High $n$ )	$\log n_0$	$\log n_1$
Ca XI	<b>35.7370</b>	2 $\rightarrow$ 1	1.40E-17	1.39E-17	3.04E-18	14.50	–
S XI	39.2400	39 $\rightarrow$ 1	4.32E-18	4.32E-18	4.92E-19	8.99	–
S XI	39.2400	42 $\rightarrow$ 3	8.96E-19	3.40E-20	7.02E-19	9.12	–
S XI	39.3000	40 $\rightarrow$ 2	1.64E-18	2.30E-19	9.29E-19	8.49	11.03
S XI	39.3200	39 $\rightarrow$ 2	1.37E-18	1.37E-18	1.56E-19	8.99	–
S XI	39.3230	41 $\rightarrow$ 3	1.94E-18	8.78E-20	1.47E-18	9.15	–
S XI	39.6480	46 $\rightarrow$ 4	1.44E-18	9.65E-20	1.41E-18	11.30	–
C V	<b>40.2674</b>	7 $\rightarrow$ 1	1.80E-15	1.31E-15	1.80E-15	12.99	–
C V	40.7280	6 $\rightarrow$ 1	3.05E-18	2.56E-19	2.49E-18	10.11	–
C V	<b>40.7302</b>	5 $\rightarrow$ 1	1.30E-15	1.09E-16	1.18E-15	10.13	–
C V	<b>41.4715</b>	2 $\rightarrow$ 1	1.30E-15	1.30E-15	1.21E-20	10.15	–
Si XI	43.2900	23 $\rightarrow$ 4	6.35E-19	5.62E-20	6.35E-19	14.42	9.27
Si XI	43.7630	13 $\rightarrow$ 1	3.28E-18	3.28E-18	1.97E-18	14.24	–
Si X	44.6780	38 $\rightarrow$ 1	1.10E-18	1.10E-18	5.92E-19	8.95	–
Si X	44.7250	21 $\rightarrow$ 1	9.85E-19	9.85E-19	4.54E-19	8.90	–
Si X	44.8130	54 $\rightarrow$ 2	1.19E-18	7.79E-19	9.10E-19	8.65	–
Si X	44.8440	37 $\rightarrow$ 2	1.65E-18	5.05E-19	1.26E-18	8.73	–
Si X	45.7060	123 $\rightarrow$ 5	2.38E-18	1.06E-19	2.38E-18	14.39	–
Si XI	46.2980	18 $\rightarrow$ 3	2.56E-18	7.33E-19	2.56E-18	14.38	–
Si XI	46.3990	19 $\rightarrow$ 4	4.97E-18	1.37E-18	4.97E-18	14.42	9.27
Si XI	46.4090	18 $\rightarrow$ 4	8.44E-19	2.42E-19	8.44E-19	14.38	–
Si XI	46.9960	17 $\rightarrow$ 2	1.18E-18	4.12E-19	1.18E-18	14.36	–
S XI	47.0300	30 $\rightarrow$ 8	6.33E-19	6.33E-19	5.97E-20	8.94	–
Si XI	47.0770	17 $\rightarrow$ 3	8.82E-19	3.07E-19	8.82E-19	14.36	–
Si X	<b>47.4890</b>	36 $\rightarrow$ 1	1.76E-17	1.76E-17	5.96E-18	8.85	–
Si X	<b>47.5450</b>	53 $\rightarrow$ 2	1.38E-17	1.83E-19	1.11E-17	8.77	–
Si X	47.6470	36 $\rightarrow$ 2	4.38E-18	4.38E-18	1.48E-18	8.85	–
Si X	47.9500	35 $\rightarrow$ 1	1.52E-18	1.01E-19	1.52E-18	14.49	13.40
Si X	47.9970	19 $\rightarrow$ 1	1.53E-18	2.30E-19	1.53E-18	14.55	8.82
Si X	<b>48.0630</b>	52 $\rightarrow$ 2	1.10E-17	3.84E-19	1.10E-17	14.38	–
Si X	48.1090	35 $\rightarrow$ 2	2.58E-18	1.71E-19	2.58E-18	14.49	13.40
Si X	48.1570	19 $\rightarrow$ 2	6.66E-19	9.98E-20	6.66E-19	14.55	8.82
Si X	48.4360	18 $\rightarrow$ 1	3.51E-18	3.51E-18	1.57E-18	8.83	–
Si X	48.5490	33 $\rightarrow$ 2	3.73E-18	2.77E-18	3.46E-18	8.75	–
Si X	48.6000	18 $\rightarrow$ 2	1.37E-18	1.37E-18	6.16E-19	8.83	–
Si X	48.6760	17 $\rightarrow$ 1	3.67E-18	3.67E-18	1.54E-18	8.82	–
Si X	48.6950	51 $\rightarrow$ 2	1.36E-18	1.03E-18	1.36E-18	14.71	–
Si X	48.8410	17 $\rightarrow$ 2	1.45E-18	1.45E-18	6.11E-19	8.82	–
Ar IX	<b>49.1860</b>	3 $\rightarrow$ 1	9.57E-17	7.71E-17	9.57E-17	13.85	–
Si XI	49.2220	20 $\rightarrow$ 5	8.13E-18	8.13E-18	4.38E-18	14.27	–
Ar IX	<b>49.3840</b>	2 $\rightarrow$ 1	7.88E-17	7.41E-17	2.01E-18	13.62	–
Si X	49.7010	112 $\rightarrow$ 6	5.02E-18	5.02E-18	2.36E-18	8.91	–
Si X	49.7510	122 $\rightarrow$ 7	4.68E-18	1.91E-18	3.55E-18	8.72	–
Si X	49.9730	93 $\rightarrow$ 3	1.37E-18	8.88E-20	1.37E-18	14.38	8.91
Si X	50.0350	93 $\rightarrow$ 4	2.49E-18	1.61E-19	2.49E-18	14.38	8.91
Si X	50.1240	93 $\rightarrow$ 5	3.85E-18	2.49E-19	3.85E-18	14.38	8.91
Si X	50.1430	77 $\rightarrow$ 4	3.67E-18	5.49E-20	3.67E-18	14.25	8.94
Si X	<b>50.1540</b>	110 $\rightarrow$ 5	1.10E-17	1.72E-18	1.10E-17	14.36	–
Si X	50.1830	92 $\rightarrow$ 3	9.51E-19	9.51E-19	5.53E-19	8.83	–
Si X	50.2260	109 $\rightarrow$ 4	3.28E-18	2.16E-18	3.28E-18	13.63	–

Ion	$\lambda$ (Å)	Transition	Peak $\Lambda$	$\Lambda$ (Low $n$ )	$\Lambda$ (High $n$ )	$\log n_0$	$\log n_1$
Si X	50.2460	92 $\rightarrow$ 4	1.46E-18	1.46E-18	8.52E-19	8.83	–
Si X	50.2540	76 $\rightarrow$ 3	5.57E-18	9.47E-19	5.57E-18	14.55	–
Si X	<b>50.3050</b>	108 $\rightarrow$ 4	1.56E-17	4.58E-18	1.56E-17	14.30	–
Si X	50.3160	109 $\rightarrow$ 5	3.01E-18	1.99E-18	3.01E-18	13.63	–
Si X	50.3170	76 $\rightarrow$ 4	6.95E-19	1.18E-19	6.95E-19	14.55	–
Si X	<b>50.3330</b>	120 $\rightarrow$ 5	2.59E-17	1.28E-18	2.59E-17	14.38	–
Si X	50.3590	91 $\rightarrow$ 3	6.87E-18	1.59E-18	6.87E-18	14.42	8.70
Si X	50.3960	108 $\rightarrow$ 5	1.24E-18	3.65E-19	1.24E-18	14.30	–
Si X	50.4210	91 $\rightarrow$ 4	5.27E-18	1.22E-18	5.27E-18	14.42	8.70
Si X	<b>50.5240</b>	31 $\rightarrow$ 1	1.51E-16	1.51E-16	5.14E-17	8.86	–
Si XI	50.5240	39 $\rightarrow$ 8	7.70E-19	1.28E-20	7.70E-19	14.42	9.30
Si X	<b>50.6910</b>	50 $\rightarrow$ 2	1.21E-16	2.25E-17	9.16E-17	8.74	–
Si X	<b>50.7030</b>	31 $\rightarrow$ 2	3.02E-17	3.02E-17	1.02E-17	8.86	–
Si X	50.8320	90 $\rightarrow$ 3	1.05E-18	1.05E-18	5.16E-19	8.77	–
Si X	50.8580	107 $\rightarrow$ 4	2.60E-18	2.60E-18	1.68E-18	8.74	–
Si X	50.8950	90 $\rightarrow$ 4	1.27E-18	1.27E-18	6.26E-19	8.77	–
Si X	50.9480	107 $\rightarrow$ 5	1.01E-18	1.01E-18	6.53E-19	8.74	–
Si X	51.2410	97 $\rightarrow$ 8	1.13E-18	1.13E-18	6.84E-19	13.28	–
Si X	51.2550	80 $\rightarrow$ 8	6.55E-19	2.12E-19	4.96E-19	8.73	–
Si X	51.6350	45 $\rightarrow$ 11	6.81E-19	2.80E-20	6.81E-19	14.37	–
Si X	51.6760	60 $\rightarrow$ 11	1.02E-18	3.04E-20	1.02E-18	14.36	–
Si X	52.0350	80 $\rightarrow$ 9	4.72E-19	1.52E-19	3.57E-19	8.73	–
Si X	52.0700	96 $\rightarrow$ 9	4.02E-18	4.02E-18	2.29E-18	8.99	–
Si X	52.1310	97 $\rightarrow$ 10	1.67E-18	1.67E-18	1.01E-18	13.30	–
Si X	52.1550	113 $\rightarrow$ 10	5.57E-18	3.96E-18	4.24E-18	8.62	–
Si XI	52.2980	12 $\rightarrow$ 5	7.68E-18	7.68E-18	3.74E-18	14.27	–
Si X	52.3680	58 $\rightarrow$ 11	9.34E-19	8.28E-20	9.34E-19	14.45	–
Si X	<b>52.4850</b>	121 $\rightarrow$ 7	2.05E-17	5.11E-19	1.64E-17	8.77	–
Si X	<b>52.6110</b>	111 $\rightarrow$ 6	3.21E-17	3.21E-17	1.16E-17	8.85	–
Si X	52.6120	111 $\rightarrow$ 7	2.98E-18	2.98E-18	1.07E-18	8.85	–
Si X	53.1450	61 $\rightarrow$ 13	4.60E-19	3.53E-20	4.51E-19	8.81	–
Si X	53.1530	46 $\rightarrow$ 12	7.97E-19	7.97E-19	3.06E-19	8.82	–
Al IX	53.3760	37 $\rightarrow$ 2	8.68E-19	2.79E-19	6.05E-19	7.77	–
Si X	53.4630	94 $\rightarrow$ 7	3.47E-18	4.60E-19	2.63E-18	8.75	–
Si X	53.5730	109 $\rightarrow$ 7	4.50E-18	2.97E-18	4.50E-18	13.63	–
Si X	53.5950	92 $\rightarrow$ 6	7.36E-18	7.36E-18	4.28E-18	8.83	–
Si X	53.6630	108 $\rightarrow$ 7	6.55E-19	1.92E-19	6.55E-19	14.30	–
Si X	53.7020	78 $\rightarrow$ 6	4.61E-18	4.61E-18	1.30E-18	8.85	–
Mg IX	54.3020	38 $\rightarrow$ 1	2.44E-18	2.44E-18	1.18E-18	13.65	–
Si X	54.4640	106 $\rightarrow$ 4	8.87E-19	3.40E-20	8.87E-19	8.81	14.31
Si X	54.5220	79 $\rightarrow$ 8	3.54E-18	5.87E-19	2.89E-18	8.76	–
Si X	54.5220	88 $\rightarrow$ 3	8.49E-19	8.49E-19	8.33E-19	-Inf	8.75
Al IX	54.5280	123 $\rightarrow$ 5	1.48E-18	5.32E-20	1.48E-18	14.11	–
Al IX	54.5320	98 $\rightarrow$ 3	8.68E-19	8.68E-19	2.79E-19	7.89	–
Si X	54.5700	106 $\rightarrow$ 5	2.05E-18	7.86E-20	2.05E-18	8.81	14.31
Al IX	54.5820	98 $\rightarrow$ 4	8.30E-19	8.30E-19	2.67E-19	7.89	–
Si X	<b>54.5990</b>	95 $\rightarrow$ 8	1.07E-17	1.07E-17	6.63E-18	8.95	–
Si X	54.6510	67 $\rightarrow$ 13	1.37E-18	5.63E-20	1.37E-18	14.34	–
Si X	54.6650	74 $\rightarrow$ 4	1.36E-18	1.36E-18	8.34E-19	8.71	–
Si X	54.7020	88 $\rightarrow$ 5	9.18E-19	9.18E-19	9.00E-19	16.74	8.75

Ion	$\lambda$ (Å)	Transition	Peak $\Lambda$	$\Lambda$ (Low $n$ )	$\Lambda$ (High $n$ )	$\log n_0$	$\log n_1$
Si X	54.7650	90 $\rightarrow$ 6	8.09E-19	8.09E-19	3.98E-19	8.77	–
Si IX	55.0390	43 $\rightarrow$ 1	9.72E-18	6.44E-18	6.76E-18	6.86	–
Si IX	<b>55.0940</b>	44 $\rightarrow$ 2	5.37E-17	8.53E-18	2.99E-17	7.28	9.89
Si X	55.0950	66 $\rightarrow$ 13	1.55E-18	6.10E-20	1.55E-18	14.51	13.50
Si IX	<b>55.1160</b>	43 $\rightarrow$ 2	6.70E-17	4.44E-17	4.66E-17	6.86	–
Si IX	55.1540	42 $\rightarrow$ 2	1.38E-18	8.22E-20	1.03E-18	8.05	–
Si X	55.1580	57 $\rightarrow$ 12	4.86E-19	2.63E-20	4.86E-19	14.38	–
Si X	55.1950	79 $\rightarrow$ 9	7.30E-19	1.21E-19	5.96E-19	8.76	–
Si X	55.2010	42 $\rightarrow$ 12	5.78E-19	1.66E-19	5.78E-19	14.48	8.77
Si IX	<b>55.2340</b>	43 $\rightarrow$ 3	5.94E-17	3.94E-17	4.13E-17	6.86	–
Si IX	<b>55.2720</b>	42 $\rightarrow$ 3	2.25E-16	1.33E-17	1.68E-16	8.05	–
Si IX	<b>55.3050</b>	39 $\rightarrow$ 1	8.80E-16	8.80E-16	1.06E-16	7.84	–
Si IX	<b>55.3560</b>	40 $\rightarrow$ 2	4.17E-16	8.55E-17	2.23E-16	7.25	10.06
Si IX	<b>55.3830</b>	39 $\rightarrow$ 2	3.39E-16	3.39E-16	4.10E-17	7.84	–
Si X	55.3930	46 $\rightarrow$ 14	5.59E-19	5.59E-19	2.15E-19	8.82	–
Si X	55.3960	95 $\rightarrow$ 10	1.28E-18	1.28E-18	7.91E-19	8.95	–
Si IX	<b>55.4010</b>	41 $\rightarrow$ 3	4.91E-16	3.52E-17	3.52E-16	8.04	–
Si IX	55.4240	35 $\rightarrow$ 3	3.31E-18	3.31E-18	2.50E-18	7.57	–
Si IX	<b>55.4750</b>	40 $\rightarrow$ 3	1.33E-17	2.73E-18	7.13E-18	7.25	10.06
Si IX	55.5020	39 $\rightarrow$ 3	1.07E-18	1.07E-18	1.30E-19	7.84	–
Si IX	55.8190	37 $\rightarrow$ 2	5.02E-18	2.40E-18	4.80E-18	10.72	–
Si X	55.8450	94 $\rightarrow$ 8	2.97E-18	3.93E-19	2.25E-18	8.75	–
Si IX	55.9400	37 $\rightarrow$ 3	9.63E-19	4.60E-19	9.20E-19	10.72	–
Si IX	56.0020	45 $\rightarrow$ 4	2.47E-18	5.76E-19	2.37E-18	11.09	–
Si IX	<b>56.0270</b>	46 $\rightarrow$ 4	3.09E-16	3.23E-17	2.96E-16	10.76	–
Si X	56.1470	78 $\rightarrow$ 8	2.22E-18	2.22E-18	6.28E-19	8.85	–
Si X	56.4440	55 $\rightarrow$ 11	3.24E-18	1.15E-20	3.24E-18	14.40	–
Si X	56.5520	94 $\rightarrow$ 9	3.98E-19	5.26E-20	3.02E-19	8.75	–
Si X	56.5630	39 $\rightarrow$ 11	2.26E-18	1.04E-20	2.26E-18	14.24	–
Si X	56.6430	23 $\rightarrow$ 11	1.02E-18	2.00E-20	1.02E-18	14.56	–
Si X	56.6800	94 $\rightarrow$ 10	4.15E-18	5.50E-19	3.15E-18	8.75	–
Si X	56.7000	92 $\rightarrow$ 9	2.60E-18	2.60E-18	1.51E-18	8.83	–
Si IX	56.7300	42 $\rightarrow$ 4	2.95E-18	1.75E-19	2.20E-18	8.05	–
Si X	56.8040	109 $\rightarrow$ 10	1.75E-18	1.15E-18	1.75E-18	13.62	–
Al IX	56.8990	36 $\rightarrow$ 1	9.34E-18	9.34E-18	2.88E-18	7.93	–
Si IX	56.9440	40 $\rightarrow$ 4	1.35E-18	2.76E-19	7.22E-19	7.25	10.06
Al IX	56.9450	53 $\rightarrow$ 2	7.15E-18	2.40E-19	5.33E-18	7.82	–
Si IX	<b>56.9760</b>	35 $\rightarrow$ 4	5.47E-17	5.47E-17	4.12E-17	7.57	–
Si IX	57.0250	32 $\rightarrow$ 2	4.31E-19	4.14E-20	3.10E-19	8.04	–
Al IX	57.0580	36 $\rightarrow$ 2	2.21E-18	2.21E-18	6.82E-19	7.93	–
Si X	57.0850	78 $\rightarrow$ 9	4.66E-18	4.66E-18	1.32E-18	8.85	–
Si IX	57.1520	32 $\rightarrow$ 3	4.17E-19	4.01E-20	3.01E-19	8.04	–
Si X	57.2080	89 $\rightarrow$ 6	3.96E-18	3.76E-20	3.01E-18	8.76	–
Si X	<b>57.2090</b>	89 $\rightarrow$ 7	3.70E-17	3.51E-19	2.81E-17	8.76	–
Si X	57.2170	78 $\rightarrow$ 10	2.07E-18	2.07E-18	5.84E-19	8.85	–
Si IX	57.2260	31 $\rightarrow$ 3	6.53E-19	1.20E-19	3.46E-19	7.26	10.02
Si IX	57.2910	30 $\rightarrow$ 3	1.74E-18	1.74E-18	1.57E-19	7.77	–
Si XI	57.3070	16 $\rightarrow$ 7	6.12E-19	1.53E-19	6.12E-19	14.42	9.27
Si X	<b>57.3650</b>	75 $\rightarrow$ 6	6.41E-17	6.41E-17	1.64E-17	8.84	–
Mg IX	57.3710	35 $\rightarrow$ 1	5.24E-18	5.24E-18	2.54E-18	13.65	–

Ion	$\lambda$ (Å)	Transition	Peak $\Lambda$	$\Lambda(\text{Low } n)$	$\Lambda(\text{High } n)$	$\log n_0$	$\log n_1$
Si IX	<b>57.4340</b>	37 $\rightarrow$ 4	9.30E-17	4.44E-17	8.88E-17	10.72	–
Al IX	57.5410	35 $\rightarrow$ 1	5.84E-19	3.39E-20	5.84E-19	14.33	13.36
Si XI	57.5410	16 $\rightarrow$ 8	1.62E-18	4.06E-19	1.62E-18	14.42	9.27
Al IX	57.5870	19 $\rightarrow$ 1	8.88E-19	8.70E-20	8.88E-19	14.15	–
Mg VIII	57.5950	46 $\rightarrow$ 1	8.13E-19	8.13E-19	2.82E-19	7.73	–
Al IX	57.6530	52 $\rightarrow$ 2	5.89E-18	1.71E-19	5.89E-18	14.11	–
Al IX	57.7010	35 $\rightarrow$ 2	1.26E-18	7.30E-20	1.26E-18	14.33	13.36
Si IX	<b>57.7780</b>	45 $\rightarrow$ 5	7.39E-17	1.72E-17	7.09E-17	11.09	–
Si IX	58.0130	28 $\rightarrow$ 3	7.06E-19	2.72E-19	6.73E-19	8.26	–
Al IX	58.1110	17 $\rightarrow$ 1	2.15E-18	2.15E-18	8.49E-19	7.91	–
Si IX	58.2210	33 $\rightarrow$ 4	1.05E-18	1.50E-19	1.01E-18	10.75	–
Al IX	58.2770	17 $\rightarrow$ 2	8.94E-19	8.94E-19	3.53E-19	7.91	–
Al IX	58.3420	18 $\rightarrow$ 1	1.49E-18	1.49E-18	6.72E-19	7.90	–
Si IX	58.8110	39 $\rightarrow$ 5	1.30E-18	1.30E-18	1.57E-19	7.84	–
Mg VIII	58.8240	61 $\rightarrow$ 2	4.54E-19	4.29E-20	3.96E-19	7.65	–
Mg VIII	59.4160	42 $\rightarrow$ 1	8.61E-19	4.87E-20	8.61E-19	13.79	–
Mg VIII	59.5070	57 $\rightarrow$ 2	4.41E-19	2.02E-20	4.41E-19	14.18	13.27
Al IX	59.7630	112 $\rightarrow$ 6	2.79E-18	2.79E-18	1.13E-18	8.01	–
Al IX	59.8230	122 $\rightarrow$ 7	2.42E-18	9.84E-19	1.67E-18	7.76	–
Si IX	59.9120	33 $\rightarrow$ 5	6.02E-19	8.62E-20	5.77E-19	10.75	–
Si X	59.9450	89 $\rightarrow$ 8	7.43E-18	7.05E-20	5.65E-18	8.76	–
Si X	<b>60.1180</b>	75 $\rightarrow$ 8	1.40E-17	1.40E-17	3.58E-18	8.84	–
Al IX	60.1600	93 $\rightarrow$ 3	1.03E-18	5.96E-20	1.03E-18	14.05	Bad Fit
S VII	<b>60.1610</b>	27 $\rightarrow$ 1	8.11E-17	8.11E-17	5.21E-17	12.27	–
Al IX	60.1970	77 $\rightarrow$ 4	2.13E-18	3.40E-20	2.13E-18	13.98	8.04
Al IX	60.2220	93 $\rightarrow$ 4	1.35E-18	7.84E-20	1.35E-18	14.05	Bad Fit
Al IX	60.3120	93 $\rightarrow$ 5	2.35E-18	1.36E-19	2.35E-18	14.05	Bad Fit
Al IX	60.3500	110 $\rightarrow$ 5	6.35E-18	8.60E-19	6.35E-18	14.10	–
Al IX	60.4990	91 $\rightarrow$ 3	4.39E-18	6.68E-19	4.39E-18	14.09	–
Al IX	60.5040	76 $\rightarrow$ 3	3.97E-18	4.46E-19	3.97E-18	14.13	–
Al IX	60.5510	108 $\rightarrow$ 4	9.41E-18	1.83E-18	9.41E-18	14.00	–
Al IX	60.5620	91 $\rightarrow$ 4	3.72E-18	5.67E-19	3.72E-18	14.09	–
Al IX	60.5670	76 $\rightarrow$ 4	5.42E-19	6.09E-20	5.42E-19	14.13	–
Al IX	<b>60.5880</b>	120 $\rightarrow$ 5	1.60E-17	6.69E-19	1.60E-17	14.11	–
Al IX	60.6420	108 $\rightarrow$ 5	1.26E-18	2.46E-19	1.26E-18	14.00	–
Mg IX	60.7170	44 $\rightarrow$ 3	9.07E-19	4.28E-20	9.07E-19	13.74	8.31
Mg IX	<b>60.7350</b>	26 $\rightarrow$ 4	1.27E-17	5.39E-19	1.27E-17	13.73	8.23
Si X	60.7600	89 $\rightarrow$ 9	1.15E-18	1.09E-20	8.76E-19	8.76	–
S VII	60.8050	23 $\rightarrow$ 1	1.28E-18	1.28E-18	8.26E-19	12.27	–
Si IX	<b>60.8830</b>	21 $\rightarrow$ 2	3.23E-17	1.41E-17	1.89E-17	7.21	9.76
Al IX	<b>60.8960</b>	31 $\rightarrow$ 1	7.87E-17	7.87E-17	2.40E-17	7.95	–
Si X	60.9080	89 $\rightarrow$ 10	2.71E-18	2.58E-20	2.06E-18	8.76	–
Si X	60.9380	75 $\rightarrow$ 9	2.33E-18	2.33E-18	5.94E-19	8.84	–
Mg IX	61.0370	32 $\rightarrow$ 3	8.46E-18	2.62E-19	8.46E-18	13.74	8.24
Si IX	61.0390	24 $\rightarrow$ 2	4.23E-19	9.56E-20	4.05E-19	10.78	–
Mg IX	61.0430	30 $\rightarrow$ 2	5.63E-18	3.32E-19	5.63E-18	13.74	8.24
Al IX	<b>61.0690</b>	50 $\rightarrow$ 2	6.22E-17	1.21E-17	4.28E-17	7.79	–
Al IX	<b>61.0780</b>	31 $\rightarrow$ 2	1.57E-17	1.57E-17	4.80E-18	7.95	–
Mg IX	61.0850	30 $\rightarrow$ 3	4.02E-18	2.37E-19	4.02E-18	13.74	8.24
Si X	61.0860	75 $\rightarrow$ 10	1.45E-18	1.45E-18	3.71E-19	8.84	–

Ion	$\lambda$ (Å)	Transition	Peak $\Lambda$	$\Lambda$ (Low $n$ )	$\Lambda$ (High $n$ )	$\log n_0$	$\log n_1$
Mg IX	61.1280	21 $\rightarrow$ 3	6.85E-18	2.36E-19	6.85E-18	13.73	–
Mg IX	<b>61.1280</b>	32 $\rightarrow$ 4	2.88E-17	8.93E-19	2.88E-17	13.74	8.24
Mg IX	<b>61.1770</b>	30 $\rightarrow$ 4	1.15E-17	6.78E-19	1.15E-17	13.74	8.24
Al IX	61.2710	107 $\rightarrow$ 4	1.22E-18	1.22E-18	8.25E-19	7.80	–
Al IX	61.3090	90 $\rightarrow$ 4	6.09E-19	6.09E-19	3.13E-19	7.83	–
Mg IX	61.3540	29 $\rightarrow$ 2	3.06E-18	1.70E-19	3.06E-18	13.74	8.27
Mg IX	61.3970	29 $\rightarrow$ 3	8.02E-18	4.45E-19	8.02E-18	13.74	8.27
Mg IX	61.4900	29 $\rightarrow$ 4	8.78E-18	4.87E-19	8.78E-18	13.74	8.27
Si IX	<b>61.5020</b>	23 $\rightarrow$ 2	3.72E-17	8.09E-18	2.98E-17	7.73	–
S VII	61.5470	17 $\rightarrow$ 1	1.77E-18	1.77E-18	1.14E-18	12.27	–
Si IX	<b>61.6000</b>	22 $\rightarrow$ 1	6.59E-17	6.59E-17	1.98E-17	7.85	–
Si IX	<b>61.6490</b>	23 $\rightarrow$ 3	1.11E-16	2.42E-17	8.91E-17	7.73	–
Si IX	<b>61.6970</b>	22 $\rightarrow$ 2	4.86E-17	4.86E-17	1.46E-17	7.85	–
Si IX	<b>61.8440</b>	22 $\rightarrow$ 3	8.53E-17	8.53E-17	2.56E-17	7.85	–
Mg VIII	61.8880	24 $\rightarrow$ 1	1.30E-18	1.30E-18	5.17E-19	7.77	–
Mg IX	61.9210	28 $\rightarrow$ 2	5.57E-18	1.42E-18	5.57E-18	13.69	–
Mg IX	<b>61.9240</b>	23 $\rightarrow$ 4	3.15E-17	4.96E-18	3.15E-17	13.73	8.23
Mg IX	<b>61.9260</b>	31 $\rightarrow$ 3	1.43E-17	2.84E-18	1.43E-17	13.70	–
Mg VIII	61.9340	40 $\rightarrow$ 2	1.51E-18	9.22E-19	1.21E-18	7.53	–
Mg IX	61.9640	28 $\rightarrow$ 3	3.44E-18	8.73E-19	3.44E-18	13.69	–
Mg IX	62.0200	31 $\rightarrow$ 4	3.92E-18	7.80E-19	3.92E-18	13.70	–
Al IX	62.3270	45 $\rightarrow$ 11	4.28E-19	1.48E-20	4.28E-19	14.08	–
Al IX	62.3690	60 $\rightarrow$ 11	6.59E-19	1.67E-20	6.59E-19	14.06	–
Si X	<b>62.6160</b>	87 $\rightarrow$ 7	2.61E-17	1.10E-17	1.98E-17	8.72	–
Si X	62.6170	87 $\rightarrow$ 6	2.65E-18	1.12E-18	2.01E-18	8.72	–
Mg IX	<b>62.6610</b>	15 $\rightarrow$ 1	1.50E-16	5.77E-17	1.50E-16	13.74	–
Si X	<b>62.6950</b>	73 $\rightarrow$ 6	3.19E-17	3.19E-17	1.12E-17	8.86	–
Mg IX	<b>62.7510</b>	13 $\rightarrow$ 1	4.52E-16	4.52E-16	2.08E-16	13.64	–
Al IX	62.9120	96 $\rightarrow$ 9	2.14E-18	2.14E-18	1.08E-18	8.14	–
Si IX	<b>62.9750</b>	24 $\rightarrow$ 4	7.38E-17	1.67E-17	7.07E-17	10.78	–
Al IX	63.2910	58 $\rightarrow$ 11	6.36E-19	4.24E-20	6.36E-19	14.12	–
Si X	63.4040	52 $\rightarrow$ 11	3.33E-18	1.16E-19	3.33E-18	14.38	–
Si IX	63.4690	23 $\rightarrow$ 4	4.96E-19	1.08E-19	3.97E-19	7.73	–
Si X	63.4840	35 $\rightarrow$ 11	5.58E-18	3.70E-19	5.58E-18	14.49	13.40
Al IX	<b>63.5090</b>	121 $\rightarrow$ 7	1.07E-17	4.73E-19	7.87E-18	7.82	–
Si X	63.5670	19 $\rightarrow$ 11	2.37E-18	3.55E-19	2.37E-18	14.55	8.82
Al IX	63.5680	113 $\rightarrow$ 10	2.85E-18	2.09E-18	1.97E-18	14.38	–
Al IX	63.6310	111 $\rightarrow$ 7	1.48E-18	1.48E-18	4.86E-19	7.94	–
Al IX	<b>63.6320</b>	111 $\rightarrow$ 6	1.69E-17	1.69E-17	5.55E-18	7.94	–
Si IX	63.6760	22 $\rightarrow$ 4	5.69E-18	5.69E-18	1.71E-18	7.85	–
Mg VIII	64.3800	22 $\rightarrow$ 2	3.20E-18	3.20E-18	2.21E-18	13.62	–
Mg VIII	<b>64.5000</b>	38 $\rightarrow$ 1	1.29E-17	1.29E-17	5.36E-18	7.83	–
Mg VIII	<b>64.5170</b>	21 $\rightarrow$ 1	1.01E-17	1.01E-17	4.04E-18	7.82	–
Al IX	64.6280	78 $\rightarrow$ 6	2.31E-18	2.31E-18	6.01E-19	7.93	–
Mg VIII	<b>64.6300</b>	37 $\rightarrow$ 2	1.54E-17	4.86E-18	1.09E-17	7.56	–
Mg VIII	64.6350	38 $\rightarrow$ 2	2.88E-18	2.88E-18	1.20E-18	7.83	–
Mg VIII	64.6540	21 $\rightarrow$ 2	5.75E-18	5.75E-18	2.30E-18	7.82	–
Mg VIII	<b>64.7020</b>	54 $\rightarrow$ 2	1.08E-17	6.55E-18	7.69E-18	7.46	–
Mg VIII	64.7610	101 $\rightarrow$ 3	7.44E-19	2.26E-20	7.44E-19	14.21	13.31
Mg VIII	64.8090	101 $\rightarrow$ 4	1.61E-18	4.88E-20	1.61E-18	14.21	13.31

Ion	$\lambda$ (Å)	Transition	Peak $\Lambda$	$\Lambda(\text{Low } n)$	$\Lambda(\text{High } n)$	$\log n_0$	$\log n_1$
Mg VIII	64.8800	101 $\rightarrow$ 5	2.71E-18	8.23E-20	2.71E-18	14.21	13.31
Al IX	64.9030	92 $\rightarrow$ 6	4.02E-18	4.02E-18	2.24E-18	7.93	-
Al IX	64.9780	94 $\rightarrow$ 7	1.71E-18	3.01E-19	1.18E-18	7.79	-
Si IX	<b>65.2290</b>	24 $\rightarrow$ 5	2.00E-17	4.52E-18	1.91E-17	10.78	-
Mg IX	65.6090	33 $\rightarrow$ 5	6.08E-18	1.10E-18	6.08E-18	13.74	8.25
Mg VIII	65.7340	115 $\rightarrow$ 4	1.10E-18	1.03E-19	1.10E-18	13.66	-
Mg VIII	65.8070	115 $\rightarrow$ 5	3.38E-18	3.18E-19	3.38E-18	13.66	-
Mg VIII	65.8250	99 $\rightarrow$ 3	1.22E-18	1.24E-19	1.22E-18	13.74	-
Mg VIII	65.8730	99 $\rightarrow$ 4	5.97E-19	6.08E-20	5.97E-19	13.74	-
Mg VIII	65.8960	83 $\rightarrow$ 4	1.33E-18	1.29E-19	1.33E-18	13.60	-
Mg VIII	65.9430	99 $\rightarrow$ 5	1.26E-18	1.29E-19	1.26E-18	13.74	-
Si X	65.9670	87 $\rightarrow$ 8	2.04E-18	8.59E-19	1.54E-18	8.72	-
Si IX	65.9810	22 $\rightarrow$ 5	9.88E-19	9.88E-19	2.96E-19	7.85	-
Al IX	66.0360	106 $\rightarrow$ 4	4.94E-19	2.06E-20	4.94E-19	14.05	7.92
Si X	66.0530	73 $\rightarrow$ 8	1.15E-18	1.15E-18	4.02E-19	8.86	-
Mg VIII	<b>66.0690</b>	123 $\rightarrow$ 5	2.27E-17	8.61E-19	2.27E-17	13.69	-
Al IX	66.1440	106 $\rightarrow$ 5	1.15E-18	2.15E-20	1.15E-18	14.05	7.89
Mg VIII	66.1830	114 $\rightarrow$ 4	2.81E-18	4.52E-19	2.81E-18	13.60	-
Mg VIII	66.1880	98 $\rightarrow$ 3	1.17E-18	2.63E-19	1.17E-18	13.74	-
Mg VIII	66.2200	82 $\rightarrow$ 3	1.05E-18	2.83E-19	1.05E-18	13.82	7.62
Mg VIII	66.2370	98 $\rightarrow$ 4	1.20E-18	2.69E-19	1.20E-18	13.74	-
Al IX	66.2390	79 $\rightarrow$ 8	1.93E-18	4.36E-19	1.46E-18	7.81	-
Al IX	66.2390	74 $\rightarrow$ 4	6.44E-19	6.44E-19	4.74E-19	7.87	14.02
Mg VIII	66.2540	114 $\rightarrow$ 5	8.56E-19	1.38E-19	8.56E-19	13.60	-
Al IX	66.3210	95 $\rightarrow$ 8	5.66E-18	5.66E-18	3.23E-18	8.11	-
Al IX	66.3630	67 $\rightarrow$ 13	8.58E-19	2.92E-20	8.58E-19	14.06	-
Al IX	66.9460	66 $\rightarrow$ 13	9.55E-19	3.11E-20	9.55E-19	14.36	13.46
Mg IX	<b>67.0900</b>	17 $\rightarrow$ 2	1.67E-16	4.83E-17	1.67E-16	13.69	-
Mg IX	<b>67.1350</b>	18 $\rightarrow$ 3	3.73E-16	8.76E-17	3.73E-16	13.71	-
Mg IX	<b>67.1410</b>	17 $\rightarrow$ 3	1.25E-16	3.62E-17	1.25E-16	13.69	-
Mg IX	<b>67.2390</b>	19 $\rightarrow$ 4	7.56E-16	1.67E-16	7.56E-16	13.73	8.22
Mg IX	<b>67.2460</b>	18 $\rightarrow$ 4	1.24E-16	2.92E-17	1.24E-16	13.71	-
Mg IX	67.2520	17 $\rightarrow$ 4	8.31E-18	2.41E-18	8.31E-18	13.69	-
Si X	67.2650	87 $\rightarrow$ 9	8.00E-19	3.37E-19	6.06E-19	8.72	-
Si X	67.3550	73 $\rightarrow$ 9	5.11E-18	5.11E-18	1.79E-18	8.86	-
Mg IX	67.3950	28 $\rightarrow$ 5	9.24E-19	2.35E-19	9.24E-19	13.69	-
Mg VIII	67.4400	85 $\rightarrow$ 6	7.38E-19	7.38E-19	2.27E-19	7.73	-
Si X	67.4490	87 $\rightarrow$ 10	5.24E-18	2.21E-18	3.97E-18	8.72	-
Si X	67.5390	73 $\rightarrow$ 10	1.91E-18	1.91E-18	6.68E-19	8.86	-
Si IX	67.5760	33 $\rightarrow$ 9	1.90E-18	2.72E-19	1.82E-18	10.75	-
Mg IX	67.7310	27 $\rightarrow$ 5	4.73E-18	8.64E-19	4.73E-18	13.68	-
Al IX	67.8260	78 $\rightarrow$ 8	1.38E-18	1.38E-18	3.58E-19	7.94	-
Si X	67.8820	65 $\rightarrow$ 13	1.45E-18	1.16E-20	4.91E-19	-Inf	8.82
Al IX	68.2720	94 $\rightarrow$ 8	1.58E-18	2.79E-19	1.09E-18	7.79	-
Si IX	<b>68.3470</b>	32 $\rightarrow$ 7	3.18E-17	3.05E-18	2.29E-17	8.04	-
Si IX	68.3490	32 $\rightarrow$ 8	2.27E-18	2.18E-19	1.64E-18	8.04	-
Si IX	<b>68.3610</b>	32 $\rightarrow$ 9	1.40E-16	1.35E-17	1.01E-16	8.04	-
Si IX	<b>68.4530</b>	31 $\rightarrow$ 7	9.19E-17	1.70E-17	4.87E-17	7.26	10.02
Si IX	<b>68.4550</b>	31 $\rightarrow$ 8	3.62E-17	6.69E-18	1.92E-17	7.26	10.02
Al IX	68.5310	55 $\rightarrow$ 11	2.01E-18	1.10E-20	2.01E-18	14.13	-

Ion	$\lambda$ (Å)	Transition	Peak $\Lambda$	$\Lambda$ (Low $n$ )	$\Lambda$ (High $n$ )	$\log n_0$	$\log n_1$
Si IX	<b>68.5480</b>	30 $\rightarrow$ 8	2.63E-16	2.63E-16	2.38E-17	7.77	–
Mg VIII	68.5500	124 $\rightarrow$ 7	3.37E-18	2.14E-18	2.38E-18	7.44	–
Mg VIII	68.5800	117 $\rightarrow$ 6	3.05E-18	3.05E-18	1.35E-18	7.87	–
Al IX	68.6370	39 $\rightarrow$ 11	1.36E-18	1.05E-20	1.36E-18	13.99	–
Al IX	68.6810	23 $\rightarrow$ 11	7.65E-19	1.08E-20	7.65E-19	14.16	–
Mg IX	68.6830	16 $\rightarrow$ 2	9.46E-19	1.98E-19	9.46E-19	13.73	8.23
Mg IX	68.7360	16 $\rightarrow$ 3	2.13E-18	4.47E-19	2.13E-18	13.73	8.23
Al IX	68.8230	78 $\rightarrow$ 9	2.29E-18	2.29E-18	5.96E-19	7.94	–
Mg IX	68.8530	16 $\rightarrow$ 4	1.66E-18	3.48E-19	1.66E-18	13.73	8.23
Mg IX	68.8990	14 $\rightarrow$ 4	1.04E-18	3.05E-19	1.04E-18	13.64	–
Mg IX	68.9490	37 $\rightarrow$ 6	5.11E-18	4.83E-19	5.11E-18	13.73	8.23
Al IX	68.9590	78 $\rightarrow$ 10	1.04E-18	1.04E-18	2.71E-19	7.94	–
Mg IX	68.9860	25 $\rightarrow$ 7	8.51E-18	7.91E-19	8.51E-18	13.73	8.23
Mg IX	69.0110	37 $\rightarrow$ 7	9.22E-18	8.71E-19	9.22E-18	13.73	8.23
Mg IX	69.0580	43 $\rightarrow$ 7	3.19E-18	3.14E-19	3.19E-18	13.74	8.25
Mg IX	<b>69.1140</b>	37 $\rightarrow$ 8	1.13E-17	1.07E-18	1.13E-17	13.73	8.23
Al IX	69.1360	92 $\rightarrow$ 9	1.43E-18	1.43E-18	7.96E-19	7.93	–
Mg IX	<b>69.1620</b>	43 $\rightarrow$ 8	3.95E-17	3.88E-18	3.95E-17	13.74	8.25
Mg IX	<b>69.3740</b>	36 $\rightarrow$ 6	1.80E-17	7.47E-19	1.80E-17	13.71	–
Mg IX	<b>69.4110</b>	42 $\rightarrow$ 7	4.08E-17	2.88E-18	4.08E-17	13.74	8.26
Mg VIII	<b>69.4150</b>	36 $\rightarrow$ 1	1.66E-16	1.66E-16	5.03E-17	7.76	–
Mg IX	<b>69.4370</b>	36 $\rightarrow$ 7	1.03E-17	4.28E-19	1.03E-17	13.71	–
Mg VIII	<b>69.4670</b>	53 $\rightarrow$ 2	1.25E-16	5.82E-18	9.36E-17	7.61	–
Mg IX	<b>69.4670</b>	45 $\rightarrow$ 8	6.66E-17	1.63E-18	6.66E-17	13.74	8.24
Mg IX	69.5150	42 $\rightarrow$ 8	7.10E-18	5.02E-19	7.10E-18	13.74	8.26
Mg VIII	<b>69.5750</b>	36 $\rightarrow$ 2	3.77E-17	3.77E-17	1.14E-17	7.76	–
Si IX	69.5820	28 $\rightarrow$ 7	2.05E-18	7.89E-19	1.95E-18	8.26	–
Si IX	<b>69.5960</b>	28 $\rightarrow$ 9	3.08E-17	1.19E-17	2.93E-17	8.26	–
Mg IX	69.6160	38 $\rightarrow$ 9	3.71E-18	3.71E-18	1.80E-18	13.65	–
Al IX	<b>69.7160</b>	89 $\rightarrow$ 7	1.89E-17	5.51E-19	1.31E-17	7.81	–
Al IX	69.7170	89 $\rightarrow$ 6	2.04E-18	5.95E-20	1.42E-18	7.81	–
Al IX	69.7580	94 $\rightarrow$ 10	2.02E-18	3.56E-19	1.40E-18	7.79	–
Si IX	<b>69.7910</b>	27 $\rightarrow$ 7	1.29E-17	1.29E-17	7.99E-18	7.75	–
Si IX	69.7930	27 $\rightarrow$ 8	1.89E-18	1.89E-18	1.17E-18	7.75	–
Si IX	69.8050	27 $\rightarrow$ 9	4.64E-18	4.64E-18	2.87E-18	7.75	–
Al IX	<b>69.8720</b>	75 $\rightarrow$ 6	3.25E-17	3.25E-17	7.56E-18	7.93	–
Mg IX	<b>69.9500</b>	46 $\rightarrow$ 9	1.77E-17	2.92E-18	1.77E-17	13.74	8.25
Si IX	70.1430	25 $\rightarrow$ 8	1.73E-18	1.73E-18	1.15E-18	8.05	–
Mg VIII	70.3440	35 $\rightarrow$ 1	5.30E-18	3.52E-19	5.30E-18	13.97	12.91
Mg VIII	<b>70.4550</b>	52 $\rightarrow$ 2	7.46E-17	2.37E-18	7.46E-17	13.68	–
Mg IX	<b>70.4580</b>	44 $\rightarrow$ 8	4.86E-17	2.29E-18	4.86E-17	13.74	8.31
Mg VIII	<b>70.5050</b>	35 $\rightarrow$ 2	1.47E-17	9.72E-19	1.47E-17	13.97	12.91
Mg IX	70.5670	40 $\rightarrow$ 8	6.88E-19	6.76E-20	6.88E-19	13.70	–
Si IX	70.8260	32 $\rightarrow$ 11	7.24E-19	6.96E-20	5.22E-19	8.04	–
Si IX	70.8350	32 $\rightarrow$ 12	5.38E-18	5.16E-19	3.87E-18	8.04	–
Mg VIII	70.9190	34 $\rightarrow$ 2	5.92E-18	5.06E-18	5.92E-18	13.77	–
Si IX	<b>70.9490</b>	31 $\rightarrow$ 12	1.82E-17	3.36E-18	9.64E-18	7.26	10.02
Mg VIII	<b>70.9520</b>	32 $\rightarrow$ 1	1.16E-17	8.16E-18	9.45E-18	7.49	–
Mg VIII	<b>71.0040</b>	17 $\rightarrow$ 1	4.27E-17	4.27E-17	1.62E-17	7.75	–
Si IX	<b>71.0400</b>	30 $\rightarrow$ 11	2.45E-17	2.45E-17	2.22E-18	7.77	–

Ion	$\lambda$ (Å)	Transition	Peak $\Lambda$	$\Lambda(\text{Low } n)$	$\Lambda(\text{High } n)$	$\log n_0$	$\log n_1$
Mg VIII	<b>71.1190</b>	32 $\rightarrow$ 2	4.72E-17	3.33E-17	3.86E-17	7.49	–
Mg VIII	<b>71.1710</b>	17 $\rightarrow$ 2	1.85E-17	1.85E-17	7.03E-18	7.75	–
Mg VIII	<b>71.3890</b>	18 $\rightarrow$ 1	1.88E-17	1.88E-17	8.85E-18	7.70	–
Mg VIII	71.4850	51 $\rightarrow$ 2	8.15E-18	5.41E-18	8.15E-18	13.76	–
Mg VIII	71.5540	18 $\rightarrow$ 2	8.11E-18	8.11E-18	3.81E-18	7.70	–
Si IX	71.7450	29 $\rightarrow$ 11	5.21E-18	3.69E-18	4.97E-18	7.76	–
Si IX	71.7550	29 $\rightarrow$ 12	7.98E-18	5.65E-18	7.61E-18	7.76	–
Mg IX	<b>71.8420</b>	11 $\rightarrow$ 2	1.35E-17	8.38E-18	1.35E-17	13.59	–
Mg IX	<b>71.9000</b>	11 $\rightarrow$ 3	4.07E-17	2.52E-17	4.07E-17	13.59	–
Mg IX	<b>72.0280</b>	11 $\rightarrow$ 4	6.84E-17	4.24E-17	6.84E-17	13.59	–
S VII	<b>72.0280</b>	5 $\rightarrow$ 1	7.90E-17	7.90E-17	5.53E-17	12.26	–
Si IX	<b>72.1620</b>	28 $\rightarrow$ 12	4.86E-17	1.87E-17	4.62E-17	8.26	–
Mg IX	<b>72.2260</b>	41 $\rightarrow$ 9	1.97E-17	1.89E-18	1.97E-17	13.74	8.25
Mg IX	<b>72.2800</b>	44 $\rightarrow$ 9	1.02E-17	4.80E-19	1.02E-17	13.74	8.31
Mg IX	<b>72.3120</b>	20 $\rightarrow$ 5	1.07E-15	1.07E-15	4.68E-16	13.65	–
Si IX	<b>72.3770</b>	27 $\rightarrow$ 11	1.98E-17	1.98E-17	1.23E-17	7.75	–
Si IX	72.3880	27 $\rightarrow$ 12	5.02E-18	5.02E-18	3.11E-18	7.75	–
Mg IX	<b>72.3950</b>	40 $\rightarrow$ 9	4.12E-17	4.05E-18	4.12E-17	13.70	–
S VII	<b>72.6630</b>	3 $\rightarrow$ 1	5.18E-17	4.30E-17	5.18E-17	12.78	–
Mg VIII	72.6780	113 $\rightarrow$ 7	5.29E-18	3.95E-18	3.75E-18	13.96	–
Mg VIII	72.6990	96 $\rightarrow$ 6	5.20E-18	5.20E-18	2.62E-18	7.95	–
Si IX	72.7540	25 $\rightarrow$ 11	2.05E-18	2.05E-18	1.36E-18	8.05	–
S VII	<b>72.8980</b>	2 $\rightarrow$ 1	5.72E-17	5.38E-17	8.81E-20	12.42	–
Mg VIII	73.2490	112 $\rightarrow$ 7	3.80E-18	3.80E-18	1.63E-18	7.80	–
Mg VIII	<b>73.2510</b>	112 $\rightarrow$ 6	5.16E-17	5.16E-17	2.21E-17	7.80	–
Mg VIII	<b>73.3170</b>	122 $\rightarrow$ 7	4.22E-17	1.64E-17	2.98E-17	7.54	–
Al IX	73.4530	89 $\rightarrow$ 8	3.68E-18	1.07E-19	2.56E-18	7.81	–
Al IX	73.6250	75 $\rightarrow$ 8	6.58E-18	6.58E-18	1.53E-18	7.93	–
Mg VIII	73.8000	77 $\rightarrow$ 3	3.42E-18	6.90E-20	3.42E-18	13.51	Bad Fit
Mg VIII	<b>73.8260</b>	93 $\rightarrow$ 3	1.47E-17	1.24E-18	1.47E-17	13.62	–
Mg VIII	<b>73.8620</b>	77 $\rightarrow$ 4	3.17E-17	6.39E-19	3.17E-17	13.51	Bad Fit
Mg VIII	<b>73.8890</b>	93 $\rightarrow$ 4	1.44E-17	1.21E-18	1.44E-17	13.62	–
Mg VIII	<b>73.9280</b>	110 $\rightarrow$ 4	1.08E-17	1.62E-18	1.08E-17	13.68	–
Mg VIII	<b>73.9800</b>	93 $\rightarrow$ 5	2.82E-17	2.37E-18	2.82E-17	13.62	–
Mg VIII	<b>74.0200</b>	110 $\rightarrow$ 5	9.37E-17	1.41E-17	9.37E-17	13.68	–
Mg VIII	74.1590	92 $\rightarrow$ 3	3.90E-18	3.90E-18	2.99E-18	7.59	–
Mg VIII	74.2220	92 $\rightarrow$ 4	7.29E-18	7.29E-18	5.58E-18	7.59	–
Mg IX	<b>74.2530</b>	39 $\rightarrow$ 7	4.02E-17	3.69E-19	4.02E-17	13.73	8.23
Mg VIII	<b>74.2740</b>	91 $\rightarrow$ 3	6.08E-17	9.22E-18	6.08E-17	13.74	–
Mg VIII	74.3150	92 $\rightarrow$ 5	1.14E-18	1.14E-18	8.74E-19	7.59	–
Mg VIII	<b>74.3180</b>	108 $\rightarrow$ 4	1.46E-16	2.33E-17	1.46E-16	13.58	–
Mg IX	<b>74.3280</b>	34 $\rightarrow$ 6	3.16E-17	3.69E-19	3.16E-17	13.73	–
Mg VIII	<b>74.3370</b>	91 $\rightarrow$ 4	5.67E-17	8.60E-18	5.67E-17	13.74	–
Mg VIII	<b>74.3660</b>	120 $\rightarrow$ 5	2.47E-16	1.12E-17	2.47E-16	13.69	–
Mg IX	<b>74.3730</b>	39 $\rightarrow$ 8	1.19E-16	1.09E-18	1.19E-16	13.73	8.23
Mg IX	<b>74.4000</b>	34 $\rightarrow$ 7	2.33E-17	2.72E-19	2.33E-17	13.73	–
Mg VIII	<b>74.4110</b>	108 $\rightarrow$ 5	2.86E-17	4.59E-18	2.86E-17	13.58	–
Mg VIII	74.4300	91 $\rightarrow$ 5	2.71E-18	4.11E-19	2.71E-18	13.74	–
Mg IX	<b>74.4610</b>	24 $\rightarrow$ 7	3.28E-17	4.24E-18	3.28E-17	13.74	8.26
Mg IX	<b>74.5200</b>	34 $\rightarrow$ 8	3.97E-17	4.64E-19	3.97E-17	13.73	–

Ion	$\lambda$ (Å)	Transition	Peak $\Lambda$	$\Lambda(\text{Low } n)$	$\Lambda(\text{High } n)$	$\log n_0$	$\log n_1$
Mg IX	<b>74.5200</b>	38 $\rightarrow$ 10	6.18E-17	6.18E-17	2.99E-17	13.65	-
Mg VIII	<b>74.5240</b>	76 $\rightarrow$ 3	5.46E-17	6.94E-18	5.46E-17	13.84	-
Mg VIII	74.5860	76 $\rightarrow$ 4	8.11E-18	1.03E-18	8.11E-18	13.84	-
Al IX	74.6240	89 $\rightarrow$ 9	4.94E-19	1.44E-20	3.43E-19	7.81	-
Mg IX	<b>74.7420</b>	35 $\rightarrow$ 9	2.60E-17	2.60E-17	1.26E-17	13.65	-
Al IX	74.7840	89 $\rightarrow$ 10	1.43E-18	4.17E-20	9.92E-19	7.81	-
Al IX	74.8020	75 $\rightarrow$ 9	1.40E-18	1.40E-18	3.26E-19	7.93	-
Mg VIII	<b>74.8580</b>	19 $\rightarrow$ 1	3.57E-17	4.30E-18	3.57E-17	13.87	-
Mg VIII	<b>74.8580</b>	31 $\rightarrow$ 1	1.37E-15	1.37E-15	4.07E-16	7.77	-
Al IX	74.9630	75 $\rightarrow$ 10	7.94E-19	7.94E-19	1.85E-19	7.93	-
Mg VIII	<b>75.0340</b>	50 $\rightarrow$ 2	1.07E-15	2.10E-16	7.55E-16	7.58	-
Mg VIII	75.0440	19 $\rightarrow$ 2	7.18E-18	8.66E-19	7.18E-18	13.87	-
Mg VIII	<b>75.0440</b>	31 $\rightarrow$ 2	2.73E-16	2.73E-16	8.14E-17	7.77	-
Mg VIII	75.2480	90 $\rightarrow$ 3	7.65E-18	7.65E-18	3.75E-18	7.64	-
Mg VIII	<b>75.2700</b>	107 $\rightarrow$ 4	1.88E-17	1.88E-17	1.20E-17	7.61	-
Mg VIII	75.3100	90 $\rightarrow$ 4	9.53E-18	9.53E-18	4.68E-18	7.64	-
Mg VIII	75.3620	107 $\rightarrow$ 5	7.70E-18	7.70E-18	4.93E-18	7.61	-
Mg VIII	75.4020	90 $\rightarrow$ 5	8.56E-19	8.56E-19	4.20E-19	7.64	-
Si IX	<b>75.8500</b>	33 $\rightarrow$ 13	1.81E-17	2.59E-18	1.73E-17	10.75	-
Mg VIII	75.9400	116 $\rightarrow$ 10	8.97E-19	2.79E-19	8.97E-19	13.62	-
Mg VIII	<b>76.0660</b>	97 $\rightarrow$ 8	1.16E-17	1.16E-17	6.14E-18	8.02	-
Mg VIII	76.1970	80 $\rightarrow$ 8	5.37E-18	1.78E-18	3.79E-18	7.55	-
Mg VIII	76.7140	27 $\rightarrow$ 11	3.29E-18	1.52E-19	3.29E-18	13.69	-
Mg VIII	76.7200	49 $\rightarrow$ 14	1.78E-18	1.78E-18	6.67E-19	7.80	-
Mg VIII	76.7400	45 $\rightarrow$ 11	6.58E-18	2.53E-19	6.58E-18	13.67	-
Mg VIII	76.7540	64 $\rightarrow$ 15	1.77E-18	6.96E-19	1.26E-18	7.54	-
Mg VIII	76.7880	60 $\rightarrow$ 11	9.75E-18	2.90E-19	9.75E-18	14.19	13.28
Al IX	<b>77.1930</b>	87 $\rightarrow$ 7	1.32E-17	5.71E-18	9.10E-18	7.75	-
Al IX	77.1960	87 $\rightarrow$ 6	1.37E-18	5.92E-19	9.44E-19	7.75	-
Si IX	<b>77.2370</b>	32 $\rightarrow$ 14	1.01E-17	9.71E-19	7.28E-18	8.04	-
Si IX	<b>77.2460</b>	34 $\rightarrow$ 15	2.01E-17	2.84E-18	1.93E-17	11.09	-
Al IX	<b>77.2810</b>	73 $\rightarrow$ 6	1.62E-17	1.62E-17	5.12E-18	7.96	-
Si IX	77.3720	31 $\rightarrow$ 14	8.27E-18	1.52E-18	4.38E-18	7.26	10.02
Mg VIII	77.4020	80 $\rightarrow$ 9	4.74E-18	1.57E-18	3.34E-18	7.55	-
Si IX	<b>77.4910</b>	30 $\rightarrow$ 14	1.61E-17	1.61E-17	1.45E-18	7.77	-
Mg VIII	77.5230	80 $\rightarrow$ 10	2.20E-18	7.27E-19	1.55E-18	7.55	-
Mg VIII	<b>77.5720</b>	96 $\rightarrow$ 9	3.77E-17	3.77E-17	1.90E-17	7.95	-
Mg VIII	77.5770	48 $\rightarrow$ 13	1.29E-18	6.48E-19	9.26E-19	7.51	-
Mg VIII	77.6500	29 $\rightarrow$ 12	1.56E-18	1.56E-18	5.62E-19	7.80	-
Mg VIII	<b>77.6710</b>	113 $\rightarrow$ 10	4.87E-17	3.64E-17	3.46E-17	13.96	-
Mg VIII	77.6820	97 $\rightarrow$ 9	3.78E-18	3.78E-18	2.00E-18	8.02	-
Mg VIII	77.6920	96 $\rightarrow$ 10	7.50E-18	7.50E-18	3.77E-18	7.95	-
Mg VIII	77.7370	70 $\rightarrow$ 13	1.11E-18	4.40E-19	1.11E-18	13.63	-
Mg IX	<b>77.7370</b>	12 $\rightarrow$ 5	9.95E-16	9.95E-16	3.81E-16	13.65	-
Mg VIII	<b>77.8010</b>	97 $\rightarrow$ 10	1.59E-17	1.59E-17	8.42E-18	8.03	-
Mg VIII	78.0060	79 $\rightarrow$ 6	8.45E-19	2.66E-19	6.39E-19	7.58	-
Mg VIII	78.0590	58 $\rightarrow$ 11	9.33E-18	4.68E-19	9.33E-18	13.75	-
Mg VIII	78.0750	95 $\rightarrow$ 7	2.13E-18	2.13E-18	1.22E-18	7.97	-
Al IX	78.2830	52 $\rightarrow$ 11	2.74E-18	7.97E-20	2.74E-18	14.11	-
Al IX	78.3720	35 $\rightarrow$ 11	3.93E-18	2.28E-19	3.93E-18	14.33	13.36

Ion	$\lambda$ (Å)	Transition	Peak $\Lambda$	$\Lambda$ (Low $n$ )	$\Lambda$ (High $n$ )	$\log n_0$	$\log n_1$
Mg VIII	78.3910	63 $\rightarrow$ 12	1.13E-18	3.45E-19	1.13E-18	7.84	-
Mg VIII	<b>78.4460</b>	121 $\rightarrow$ 7	1.86E-16	1.05E-17	1.38E-16	7.61	-
Al IX	78.4560	19 $\rightarrow$ 11	2.02E-18	1.98E-19	2.02E-18	14.15	-
Mg VIII	<b>78.5720</b>	111 $\rightarrow$ 7	2.47E-17	2.47E-17	1.34E-17	7.64	-
Mg VIII	<b>78.5740</b>	111 $\rightarrow$ 6	2.97E-16	2.97E-16	1.61E-16	7.64	-
Mg VIII	78.6360	47 $\rightarrow$ 12	3.76E-18	3.76E-18	1.11E-18	7.76	-
Mg VIII	78.7930	57 $\rightarrow$ 11	7.97E-19	3.65E-20	7.97E-19	14.18	13.27
Mg VIII	78.8550	62 $\rightarrow$ 13	2.63E-18	2.27E-19	1.94E-18	7.60	-
Si IX	<b>78.9130</b>	33 $\rightarrow$ 15	7.14E-17	1.02E-17	6.84E-17	10.75	-
Si IX	<b>79.1150</b>	25 $\rightarrow$ 13	2.69E-17	2.69E-17	1.79E-17	8.05	-
Mg VIII	79.7010	46 $\rightarrow$ 13	1.17E-18	1.17E-18	4.06E-19	7.73	-
Mg VIII	<b>79.7030</b>	78 $\rightarrow$ 6	3.73E-17	3.73E-17	1.00E-17	7.76	-
Mg VIII	79.7090	46 $\rightarrow$ 12	8.36E-18	8.36E-18	2.90E-18	7.73	-
Mg VIII	79.9090	110 $\rightarrow$ 7	1.11E-18	1.67E-19	1.11E-18	13.68	-
Si IX	79.9850	32 $\rightarrow$ 15	8.39E-19	8.06E-20	6.04E-19	8.04	-
Mg VIII	<b>80.2420</b>	94 $\rightarrow$ 7	2.74E-17	6.29E-18	1.94E-17	7.57	-
Mg VIII	80.2460	94 $\rightarrow$ 6	2.56E-18	5.88E-19	1.81E-18	7.57	-
Mg VIII	80.2530	92 $\rightarrow$ 7	7.36E-18	7.36E-18	5.64E-18	7.59	-
Mg VIII	<b>80.2550</b>	92 $\rightarrow$ 6	7.38E-17	7.38E-17	5.65E-17	7.59	-
Si IX	80.2580	30 $\rightarrow$ 15	3.23E-18	3.23E-18	2.92E-19	7.77	-
Mg VIII	80.3650	108 $\rightarrow$ 7	2.40E-18	3.85E-19	2.40E-18	13.58	-
Mg VIII	80.3890	91 $\rightarrow$ 6	6.65E-19	1.01E-19	6.65E-19	13.74	-
Mg IX	<b>80.4240</b>	35 $\rightarrow$ 10	1.26E-17	1.26E-17	6.11E-18	13.65	-
Mg VIII	80.8060	61 $\rightarrow$ 13	5.37E-18	5.07E-19	4.69E-18	7.65	-
Mg VIII	80.8110	61 $\rightarrow$ 12	9.46E-19	8.93E-20	8.26E-19	7.65	-
Mg VIII	80.8890	68 $\rightarrow$ 13	2.39E-18	3.39E-19	2.39E-18	13.64	-
Mg IX	81.2980	15 $\rightarrow$ 6	7.92E-18	3.05E-18	7.92E-18	13.74	-
Mg VIII	81.3040	48 $\rightarrow$ 15	3.17E-18	1.59E-18	2.27E-18	7.51	-
Mg IX	<b>81.3460</b>	16 $\rightarrow$ 7	7.01E-17	1.47E-17	7.01E-17	13.73	8.23
Mg VIII	81.3680	29 $\rightarrow$ 14	2.33E-18	2.33E-18	8.41E-19	7.80	-
Mg VIII	81.3800	29 $\rightarrow$ 15	1.05E-18	1.05E-18	3.77E-19	7.80	-
Mg IX	81.3840	15 $\rightarrow$ 7	5.43E-18	2.09E-18	5.43E-18	13.74	-
Mg IX	<b>81.4110</b>	14 $\rightarrow$ 7	5.40E-17	1.58E-17	5.40E-17	13.64	-
Mg IX	<b>81.4900</b>	16 $\rightarrow$ 8	1.94E-16	4.07E-17	1.94E-16	13.73	8.23
Mg IX	81.5280	15 $\rightarrow$ 8	8.21E-18	3.16E-18	8.21E-18	13.74	-
Mg VIII	81.7310	106 $\rightarrow$ 4	8.17E-18	1.41E-19	8.17E-18	13.63	7.71
Mg VIII	81.7900	88 $\rightarrow$ 3	7.63E-18	6.37E-18	7.63E-18	13.78	7.68
Mg VIII	<b>81.8440</b>	106 $\rightarrow$ 5	1.90E-17	3.27E-19	1.90E-17	13.63	7.71
Mg VIII	81.8670	74 $\rightarrow$ 3	2.02E-18	2.02E-18	1.53E-18	7.68	13.64
Mg VIII	81.8670	88 $\rightarrow$ 4	2.42E-18	2.02E-18	2.42E-18	13.78	7.68
Al IX	81.8870	87 $\rightarrow$ 8	9.15E-19	3.96E-19	6.32E-19	7.75	-
Mg VIII	81.8910	59 $\rightarrow$ 12	1.60E-18	4.78E-19	1.60E-18	13.71	-
Mg VIII	<b>81.9430</b>	74 $\rightarrow$ 4	1.00E-17	1.00E-17	7.62E-18	7.68	13.64
Mg VIII	81.9790	88 $\rightarrow$ 5	8.25E-18	6.89E-18	8.25E-18	13.78	7.68
Al IX	81.9820	73 $\rightarrow$ 8	6.32E-19	6.32E-19	1.99E-19	7.96	-
Ne VII	82.0080	38 $\rightarrow$ 1	5.03E-19	1.92E-20	5.03E-19	12.52	-
Mg VIII	<b>82.2380</b>	79 $\rightarrow$ 8	3.52E-17	1.11E-17	2.66E-17	7.58	-
Mg VIII	<b>82.3170</b>	95 $\rightarrow$ 8	9.91E-17	9.91E-17	5.70E-17	7.97	-
Mg VIII	<b>82.3280</b>	67 $\rightarrow$ 13	1.33E-17	4.89E-19	1.33E-17	14.12	13.20
Mg VIII	82.3600	44 $\rightarrow$ 13	8.39E-19	1.07E-19	8.39E-19	13.65	-

Ion	$\lambda$ (Å)	Transition	Peak $\Lambda$	$\Lambda$ (Low $n$ )	$\Lambda$ (High $n$ )	$\log n_0$	$\log n_1$
Mg VIII	82.3750	58 $\rightarrow$ 12	5.96E-19	2.99E-20	5.96E-19	13.75	-
Mg VIII	82.4450	107 $\rightarrow$ 7	2.47E-18	2.47E-18	1.58E-18	7.61	-
Mg VIII	82.4470	25 $\rightarrow$ 12	5.28E-19	2.12E-19	5.28E-19	13.57	7.59
Mg VIII	82.4970	90 $\rightarrow$ 6	5.78E-18	5.78E-18	2.83E-18	7.64	-
Mg VIII	<b>82.5980</b>	16 $\rightarrow$ 1	1.97E-17	1.97E-17	1.37E-17	13.65	-
Mg VIII	82.7090	62 $\rightarrow$ 15	3.34E-18	2.88E-19	2.46E-18	7.60	-
Mg VIII	82.7810	47 $\rightarrow$ 14	4.07E-18	4.07E-18	1.20E-18	7.76	-
Mg VIII	82.7930	47 $\rightarrow$ 15	6.69E-19	6.69E-19	1.97E-19	7.76	-
Mg VIII	<b>82.8230</b>	16 $\rightarrow$ 2	4.01E-17	4.01E-17	2.79E-17	13.65	-
Mg VIII	<b>83.1170</b>	66 $\rightarrow$ 13	1.46E-17	5.10E-19	1.46E-17	14.01	13.03
Mg VIII	83.1840	57 $\rightarrow$ 13	4.96E-18	2.27E-19	4.96E-18	14.18	13.27
Mg VIII	83.1940	57 $\rightarrow$ 12	4.72E-18	2.16E-19	4.72E-18	14.18	13.27
Mg VIII	83.2410	42 $\rightarrow$ 12	5.56E-18	3.14E-19	5.56E-18	13.79	-
Mg VII	<b>83.5110</b>	43 $\rightarrow$ 1	1.15E-17	1.15E-17	6.99E-18	9.38	-
Mg VII	<b>83.5600</b>	44 $\rightarrow$ 2	3.34E-17	1.83E-17	1.72E-17	9.43	Bad Fit
Mg VII	<b>83.5880</b>	43 $\rightarrow$ 2	3.71E-17	3.71E-17	2.25E-17	9.38	-
Mg VII	83.6370	42 $\rightarrow$ 2	1.35E-18	2.30E-19	9.85E-19	6.90	-
Mg VIII	83.6440	79 $\rightarrow$ 9	4.44E-18	1.40E-18	3.35E-18	7.58	-
Mg VII	<b>83.7150</b>	43 $\rightarrow$ 3	3.88E-17	3.88E-17	2.35E-17	9.38	-
Mg VII	<b>83.7640</b>	42 $\rightarrow$ 3	1.24E-16	2.11E-17	8.99E-17	6.90	-
Mg VIII	83.7850	79 $\rightarrow$ 10	1.52E-18	4.79E-19	1.15E-18	7.58	-
Mg VIII	83.8660	95 $\rightarrow$ 10	9.87E-18	9.87E-18	5.67E-18	7.97	-
Mg VII	<b>83.9100</b>	39 $\rightarrow$ 1	3.64E-16	3.64E-16	5.83E-17	6.68	8.79
Al IX	83.9300	73 $\rightarrow$ 9	2.41E-18	2.41E-18	7.60E-19	7.96	-
Mg VII	<b>83.9590</b>	40 $\rightarrow$ 2	2.51E-16	1.41E-16	1.28E-16	9.56	-
Mg VIII	83.9710	46 $\rightarrow$ 14	6.05E-18	6.05E-18	2.10E-18	7.73	-
Mg IX	<b>83.9770</b>	15 $\rightarrow$ 9	1.64E-17	6.32E-18	1.64E-17	13.74	-
Mg VIII	83.9840	46 $\rightarrow$ 15	1.38E-18	1.38E-18	4.78E-19	7.73	-
Mg VII	<b>83.9880</b>	39 $\rightarrow$ 2	1.73E-16	1.73E-16	2.77E-17	6.68	8.79
Mg VII	<b>84.0250</b>	41 $\rightarrow$ 3	2.88E-16	4.70E-17	2.02E-16	6.88	-
Al IX	84.0350	87 $\rightarrow$ 10	2.51E-18	1.09E-18	1.74E-18	7.75	-
Mg VII	<b>84.0870</b>	40 $\rightarrow$ 3	2.22E-17	1.25E-17	1.14E-17	9.56	-
Mg VII	84.1170	39 $\rightarrow$ 3	2.77E-18	2.77E-18	4.45E-19	6.68	8.79
Mg VIII	<b>84.1260</b>	78 $\rightarrow$ 8	2.83E-17	2.83E-17	7.60E-18	7.76	-
Al IX	84.1340	73 $\rightarrow$ 10	9.69E-19	9.69E-19	3.06E-19	7.96	-
Mg IX	<b>84.1400</b>	13 $\rightarrow$ 9	4.35E-17	4.35E-17	2.00E-17	13.64	-
Al IX	84.5640	65 $\rightarrow$ 13	6.80E-19	1.56E-20	8.74E-20	-Inf	7.82
Mg VII	84.7600	37 $\rightarrow$ 2	1.02E-18	3.96E-19	9.68E-19	9.56	-
Mg VIII	<b>84.8230</b>	94 $\rightarrow$ 8	2.93E-17	6.74E-18	2.08E-17	7.57	-
Mg VIII	84.8580	61 $\rightarrow$ 15	3.31E-18	3.13E-19	2.89E-18	7.65	-
Mg VIII	<b>84.9190</b>	55 $\rightarrow$ 11	3.01E-17	1.33E-20	3.01E-17	14.25	13.38
Mg VIII	<b>85.0640</b>	39 $\rightarrow$ 11	2.04E-17	1.76E-20	2.04E-17	13.97	12.90
Mg VIII	85.1530	23 $\rightarrow$ 11	9.91E-18	1.04E-20	9.91E-18	13.86	-
Mg VIII	85.2540	41 $\rightarrow$ 12	1.67E-18	1.67E-18	5.74E-19	7.79	-
Mg VII	85.3350	45 $\rightarrow$ 4	1.32E-18	2.74E-19	1.26E-18	10.13	-
Mg VII	<b>85.4070</b>	46 $\rightarrow$ 4	1.93E-16	1.85E-17	1.83E-16	9.61	-
Mg VIII	<b>85.5980</b>	78 $\rightarrow$ 9	3.64E-17	3.64E-17	9.79E-18	7.76	-
Mg VIII	<b>85.7450</b>	78 $\rightarrow$ 10	1.69E-17	1.69E-17	4.55E-18	7.76	-
Mg VIII	85.9870	110 $\rightarrow$ 10	4.48E-19	6.72E-20	4.48E-19	13.68	-
Mg VIII	<b>86.2350</b>	92 $\rightarrow$ 9	2.64E-17	2.64E-17	2.02E-17	7.59	-

Ion	$\lambda$ (Å)	Transition	Peak $\Lambda$	$\Lambda$ (Low $n$ )	$\Lambda$ (High $n$ )	$\log n_0$	$\log n_1$
Mg VIII	86.3460	56 $\rightarrow$ 13	1.24E-18	1.57E-19	8.88E-19	7.59	–
Mg VIII	86.3840	92 $\rightarrow$ 10	4.41E-18	4.41E-18	3.37E-18	7.59	–
Mg VIII	86.5150	108 $\rightarrow$ 10	8.58E-19	1.38E-19	8.58E-19	13.58	–
Mg VII	86.5200	42 $\rightarrow$ 4	7.07E-19	1.20E-19	5.14E-19	6.90	–
Mg VIII	86.8370	94 $\rightarrow$ 9	4.66E-18	1.07E-18	3.30E-18	7.57	–
Mg VIII	<b>86.8440</b>	89 $\rightarrow$ 7	3.22E-16	1.34E-17	2.28E-16	7.60	–
Mg VIII	<b>86.8470</b>	89 $\rightarrow$ 6	3.51E-17	1.46E-18	2.48E-17	7.60	–
Mg VIII	86.8510	26 $\rightarrow$ 14	1.16E-18	1.15E-18	1.16E-18	7.36	Bad Fit
Mg VIII	86.9290	44 $\rightarrow$ 14	7.50E-19	9.57E-20	7.50E-19	13.65	–
Mg VIII	86.9420	44 $\rightarrow$ 15	3.46E-18	4.41E-19	3.46E-18	13.65	–
Mg VIII	<b>86.9860</b>	94 $\rightarrow$ 10	3.28E-17	7.54E-18	2.32E-17	7.57	–
Mg VIII	87.0160	25 $\rightarrow$ 14	1.48E-18	5.96E-19	1.48E-18	13.57	7.59
Mg VIII	<b>87.0210</b>	75 $\rightarrow$ 6	5.50E-16	5.50E-16	1.29E-16	7.75	–
Mg VIII	87.0290	25 $\rightarrow$ 15	7.17E-19	2.88E-19	7.17E-19	13.57	7.59
Mg VIII	87.0830	43 $\rightarrow$ 15	2.39E-18	1.13E-18	2.39E-18	13.57	–
Ne VII	87.2240	35 $\rightarrow$ 1	4.42E-18	5.59E-19	4.42E-18	12.55	7.25
Si IX	87.6510	42 $\rightarrow$ 16	6.13E-19	3.64E-20	4.57E-19	8.05	–
Mg VII	<b>87.7220</b>	37 $\rightarrow$ 4	5.85E-17	2.26E-17	5.54E-17	9.56	–
Mg VII	<b>87.8890</b>	35 $\rightarrow$ 4	2.69E-17	2.69E-17	2.31E-17	6.31	–
Si IX	87.9770	41 $\rightarrow$ 16	2.60E-18	1.87E-19	1.87E-18	8.04	–
Mg VIII	88.0070	40 $\rightarrow$ 13	2.88E-18	1.76E-18	2.30E-18	7.53	–
Mg VIII	88.1750	24 $\rightarrow$ 12	3.20E-18	3.20E-18	1.27E-18	7.77	–
Si IX	88.5160	40 $\rightarrow$ 17	1.85E-18	3.79E-19	9.89E-19	7.25	10.06
Si IX	88.5850	39 $\rightarrow$ 17	2.05E-18	2.05E-18	2.48E-19	7.84	–
Mg VII	<b>88.6800</b>	45 $\rightarrow$ 5	4.36E-17	9.05E-18	4.14E-17	10.13	–
Si IX	88.7250	39 $\rightarrow$ 18	3.96E-18	3.96E-18	4.79E-19	7.84	–
Si IX	89.4230	46 $\rightarrow$ 19	1.02E-18	1.07E-19	9.81E-19	10.76	–
Mg VIII	89.4780	90 $\rightarrow$ 9	8.03E-19	8.03E-19	3.94E-19	7.64	–
O VII	91.0780	21 $\rightarrow$ 2	1.59E-18	1.24E-18	1.59E-18	11.33	–
O VII	91.2000	22 $\rightarrow$ 2	2.78E-18	2.08E-18	2.78E-18	11.40	–
Mg IX	91.4110	13 $\rightarrow$ 10	1.24E-18	1.24E-18	5.71E-19	13.64	–
Mg VIII	<b>92.1250</b>	89 $\rightarrow$ 8	6.00E-17	2.50E-18	4.25E-17	7.60	–
Mg VIII	92.1820	37 $\rightarrow$ 13	2.05E-18	6.46E-19	1.46E-18	7.56	–
Mg VIII	92.2360	21 $\rightarrow$ 12	2.67E-18	2.67E-18	1.07E-18	7.82	–
Mg VIII	<b>92.3220</b>	75 $\rightarrow$ 8	1.02E-16	1.02E-16	2.39E-17	7.75	–
Si IX	93.0620	37 $\rightarrow$ 19	9.51E-19	4.54E-19	9.08E-19	10.72	–
Mg VIII	93.2590	40 $\rightarrow$ 15	1.14E-18	6.94E-19	9.07E-19	7.53	–
Mg VIII	93.4200	24 $\rightarrow$ 14	9.10E-19	9.10E-19	3.62E-19	7.77	–
Fe VIII	<b>93.4690</b>	11 $\rightarrow$ 1	4.63E-17	4.63E-17	1.56E-17	8.95	–
Mg VIII	93.5620	38 $\rightarrow$ 13	1.34E-18	1.34E-18	5.58E-19	7.83	–
Fe VIII	<b>93.6160</b>	12 $\rightarrow$ 2	2.24E-17	4.16E-20	2.24E-17	8.95	–
Fe VIII	93.6300	11 $\rightarrow$ 2	5.06E-18	5.06E-18	1.71E-18	8.95	–
Mg VIII	93.8930	89 $\rightarrow$ 9	7.35E-18	3.06E-19	5.21E-18	7.60	–
Mg VIII	<b>94.0700</b>	89 $\rightarrow$ 10	2.52E-17	1.05E-18	1.79E-17	7.60	–
Mg VIII	<b>94.0970</b>	75 $\rightarrow$ 9	2.69E-17	2.69E-17	6.30E-18	7.75	–
Ne VII	94.2610	30 $\rightarrow$ 2	4.36E-19	2.06E-20	4.36E-19	12.55	–
Ne VII	94.2720	32 $\rightarrow$ 3	1.81E-18	1.21E-19	1.81E-18	12.55	7.27
Mg VIII	<b>94.2750</b>	75 $\rightarrow$ 10	1.44E-17	1.44E-17	3.36E-18	7.75	–
Ne VII	94.3140	21 $\rightarrow$ 3	5.41E-18	1.10E-18	5.41E-18	12.48	–
Ne VII	94.3600	32 $\rightarrow$ 4	5.88E-18	3.92E-19	5.88E-18	12.55	7.27

Ion	$\lambda$ (Å)	Transition	Peak $\Lambda$	$\Lambda(\text{Low } n)$	$\Lambda(\text{High } n)$	$\log n_0$	$\log n_1$
Ne VII	94.3900	30 $\rightarrow$ 4	7.38E-19	3.49E-20	7.38E-19	12.55	-
Ne VII	94.8550	29 $\rightarrow$ 2	7.78E-19	1.33E-19	7.78E-19	12.47	-
Ne VII	94.8960	29 $\rightarrow$ 3	2.01E-18	3.44E-19	2.01E-18	12.47	-
Ne VII	94.9850	29 $\rightarrow$ 4	2.22E-18	3.80E-19	2.22E-18	12.47	-
Mg VII	<b>95.2580</b>	23 $\rightarrow$ 2	2.51E-17	1.01E-17	1.94E-17	6.56	-
Mg VII	<b>95.3830</b>	22 $\rightarrow$ 1	3.88E-17	3.88E-17	1.37E-17	6.90	-
Mg VII	<b>95.4230</b>	23 $\rightarrow$ 3	7.54E-17	3.02E-17	5.83E-17	6.56	-
Mg VII	<b>95.4840</b>	22 $\rightarrow$ 2	2.88E-17	2.88E-17	1.02E-17	6.90	-
Mg VII	<b>95.5560</b>	21 $\rightarrow$ 2	2.44E-17	1.67E-17	1.33E-17	9.21	-
Mg VII	<b>95.6500</b>	22 $\rightarrow$ 3	4.93E-17	4.93E-17	1.74E-17	6.90	-
Ne VII	<b>95.7510</b>	23 $\rightarrow$ 4	2.74E-17	1.76E-18	2.74E-17	12.55	7.25
Ne VII	95.8140	31 $\rightarrow$ 3	3.62E-18	3.78E-19	3.62E-18	12.48	-
Ne VII	95.8690	28 $\rightarrow$ 2	4.26E-18	9.75E-19	4.26E-18	12.40	-
Ne VII	95.9050	31 $\rightarrow$ 4	1.02E-18	1.07E-19	1.02E-18	12.48	-
Ne VII	95.9100	28 $\rightarrow$ 3	2.82E-18	6.47E-19	2.82E-18	12.40	-
O VII	96.1260	26 $\rightarrow$ 6	1.88E-18	5.07E-19	1.88E-18	14.95	11.27
O VII	96.1900	25 $\rightarrow$ 5	8.33E-19	2.68E-19	8.33E-19	11.38	-
O VII	97.0760	18 $\rightarrow$ 6	7.57E-19	3.77E-19	7.57E-19	11.31	-
Ne VII	<b>97.2270</b>	15 $\rightarrow$ 1	3.59E-17	9.05E-18	3.59E-17	12.54	-
Mg VIII	97.4930	37 $\rightarrow$ 15	6.18E-19	1.95E-19	4.39E-19	7.56	-
Ne VII	<b>97.4950</b>	13 $\rightarrow$ 1	1.40E-16	1.40E-16	6.65E-17	12.48	-
Mg VIII	<b>97.6410</b>	87 $\rightarrow$ 7	2.23E-16	9.75E-17	1.58E-16	7.53	-
Mg VIII	<b>97.6470</b>	87 $\rightarrow$ 6	2.35E-17	1.03E-17	1.66E-17	7.53	-
Mg VIII	<b>97.7400</b>	73 $\rightarrow$ 6	2.77E-16	2.77E-16	8.76E-17	7.78	-
Mg VII	<b>98.0310</b>	24 $\rightarrow$ 4	5.31E-17	1.15E-17	5.03E-17	9.67	-
Si IX	98.1480	45 $\rightarrow$ 20	1.01E-18	2.35E-19	9.66E-19	11.09	-
Fe VIII	98.3710	9 $\rightarrow$ 1	4.41E-18	4.41E-18	3.41E-18	8.95	-
Fe VIII	<b>98.5480</b>	10 $\rightarrow$ 2	4.33E-17	8.03E-20	4.33E-17	8.95	-
Mg VIII	<b>99.2060</b>	52 $\rightarrow$ 11	5.49E-17	1.74E-18	5.49E-17	13.68	-
Mg VII	99.2600	22 $\rightarrow$ 4	1.42E-18	1.42E-18	5.02E-19	6.90	-
Mg VIII	<b>99.3040</b>	35 $\rightarrow$ 11	6.64E-17	4.41E-18	6.64E-17	13.97	12.91
Mg VIII	101.2600	51 $\rightarrow$ 11	6.14E-18	4.08E-18	6.14E-18	13.76	-
Ne VII	<b>102.2440</b>	22 $\rightarrow$ 5	1.66E-17	5.18E-19	1.66E-17	12.55	-
Mg VIII	102.3450	53 $\rightarrow$ 13	5.82E-19	2.70E-20	4.34E-19	7.61	-
Mg VII	<b>102.4720</b>	24 $\rightarrow$ 5	1.41E-17	3.05E-18	1.33E-17	9.67	-
Mg VIII	102.5860	36 $\rightarrow$ 12	9.07E-19	9.07E-19	2.76E-19	7.76	-
Ne VII	<b>103.0900</b>	33 $\rightarrow$ 5	1.29E-17	2.26E-18	1.29E-17	12.52	-
Ne VI	104.0900	123 $\rightarrow$ 5	5.72E-19	2.29E-20	5.66E-19	12.59	-
Mg VIII	<b>104.5080</b>	87 $\rightarrow$ 8	1.36E-17	5.98E-18	9.66E-18	7.53	-
Mg VIII	<b>104.6140</b>	73 $\rightarrow$ 8	1.10E-17	1.10E-17	3.48E-18	7.78	-
Si IX	104.8510	23 $\rightarrow$ 16	5.02E-19	1.09E-19	4.02E-19	7.73	-
Ne VII	<b>106.0410</b>	17 $\rightarrow$ 2	4.20E-17	1.35E-17	4.20E-17	12.52	-
Ne VII	<b>106.0860</b>	18 $\rightarrow$ 3	9.40E-17	2.30E-17	9.40E-17	12.53	-
Ne VII	<b>106.0920</b>	17 $\rightarrow$ 3	3.15E-17	1.01E-17	3.15E-17	12.52	-
Ne VII	<b>106.1900</b>	19 $\rightarrow$ 4	1.74E-16	4.71E-17	1.74E-16	12.39	-
Ne VII	<b>106.1980</b>	18 $\rightarrow$ 4	3.12E-17	7.65E-18	3.12E-17	12.53	-
Ne VII	106.2040	17 $\rightarrow$ 4	2.09E-18	6.73E-19	2.09E-18	12.52	-
Ne VII	107.0990	27 $\rightarrow$ 5	5.41E-18	1.04E-18	5.41E-18	12.51	-
Mg VII	107.4430	33 $\rightarrow$ 9	3.96E-19	6.04E-20	3.75E-19	9.61	-
Mg VIII	107.5830	87 $\rightarrow$ 9	7.16E-18	3.14E-18	5.07E-18	7.53	-

Ion	$\lambda$ (Å)	Transition	Peak $\Lambda$	$\Lambda(\text{Low } n)$	$\Lambda(\text{High } n)$	$\log n_0$	$\log n_1$
Mg VIII	<b>107.6950</b>	73 $\rightarrow$ 9	3.77E-17	3.77E-17	1.20E-17	7.78	–
Mg VIII	<b>107.8110</b>	87 $\rightarrow$ 10	3.99E-17	1.75E-17	2.83E-17	7.53	–
Fe VIII	<b>107.8680</b>	7 $\rightarrow$ 1	2.24E-16	2.24E-16	7.58E-17	8.95	–
Mg VIII	<b>107.9240</b>	73 $\rightarrow$ 10	1.61E-17	1.61E-17	5.11E-18	7.78	–
Fe VIII	<b>108.0770</b>	8 $\rightarrow$ 2	1.05E-16	1.95E-19	1.05E-16	8.95	–
Fe VIII	<b>108.0820</b>	7 $\rightarrow$ 2	1.63E-17	1.63E-17	5.51E-18	8.95	–
Mg VIII	<b>108.4110</b>	65 $\rightarrow$ 13	1.07E-17	3.81E-19	3.19E-19	13.64	7.69
Si IX	108.5370	24 $\rightarrow$ 19	3.80E-19	8.59E-20	3.64E-19	10.78	–
Mg VIII	108.6300	51 $\rightarrow$ 13	9.52E-19	6.32E-19	9.52E-19	13.76	–
Ne VII	109.7810	25 $\rightarrow$ 7	1.51E-18	6.30E-19	1.51E-18	12.51	–
Ne VII	109.8710	43 $\rightarrow$ 7	9.64E-19	1.89E-19	9.64E-19	12.50	–
Ne VII	109.9780	43 $\rightarrow$ 8	9.40E-18	1.85E-18	9.40E-18	12.50	–
N VI	110.3000	36 $\rightarrow$ 2	1.79E-18	9.84E-19	1.79E-18	14.55	–
Ne VII	110.5300	36 $\rightarrow$ 6	2.11E-18	6.62E-19	2.11E-18	12.49	–
Ne VII	110.5620	42 $\rightarrow$ 7	5.35E-18	9.38E-19	5.35E-18	12.45	–
Ne VII	110.5930	36 $\rightarrow$ 7	1.26E-18	3.97E-19	1.26E-18	12.49	–
Ne VII	110.6700	42 $\rightarrow$ 8	1.05E-18	1.84E-19	1.05E-18	12.45	–
Ne VI	111.0990	36 $\rightarrow$ 1	3.06E-18	3.06E-18	1.39E-18	12.32	–
Ne VI	111.1620	53 $\rightarrow$ 2	6.26E-18	3.47E-18	3.69E-18	6.46	12.56
Mg VI	111.1860	23 $\rightarrow$ 5	4.21E-19	1.21E-20	4.21E-19	9.84	–
Mg VI	111.5520	18 $\rightarrow$ 1	6.34E-18	6.34E-18	2.83E-18	8.83	–
Mg VII	111.6120	28 $\rightarrow$ 7	1.44E-18	7.27E-19	1.36E-18	7.32	–
Mg VII	<b>111.6220</b>	28 $\rightarrow$ 9	1.62E-17	8.22E-18	1.53E-17	7.32	–
Mg VI	111.7460	17 $\rightarrow$ 1	4.18E-18	4.18E-18	1.90E-18	9.00	–
Ne VII	<b>111.8070</b>	46 $\rightarrow$ 9	1.71E-17	1.71E-17	8.38E-18	12.48	–
Mg VI	111.8640	16 $\rightarrow$ 1	2.08E-18	2.08E-18	9.51E-19	9.11	–
Mg VII	<b>111.9840</b>	32 $\rightarrow$ 9	8.15E-17	1.53E-17	5.75E-17	6.88	–
Mg VII	<b>111.9970</b>	32 $\rightarrow$ 7	1.66E-17	3.11E-18	1.17E-17	6.88	–
Mg VII	112.0050	32 $\rightarrow$ 8	1.17E-18	2.20E-19	8.28E-19	6.88	–
Mg VII	<b>112.1100</b>	31 $\rightarrow$ 7	6.02E-17	3.43E-17	2.97E-17	9.43	–
Mg VII	<b>112.1180</b>	31 $\rightarrow$ 8	2.19E-17	1.25E-17	1.08E-17	9.43	–
Mg VII	<b>112.2690</b>	30 $\rightarrow$ 8	1.16E-16	1.16E-16	1.37E-17	6.49	7.77
Mg VI	113.1910	22 $\rightarrow$ 2	1.34E-18	1.04E-19	1.34E-18	8.76	–
Mg VI	113.1930	21 $\rightarrow$ 3	1.96E-18	3.50E-19	1.96E-18	9.29	–
Ne VI	113.4390	52 $\rightarrow$ 2	1.02E-18	3.86E-20	1.00E-18	12.59	–
Ne VI	114.1300	17 $\rightarrow$ 1	1.04E-18	1.04E-18	5.62E-19	12.43	–
Ne VI	114.2400	32 $\rightarrow$ 2	2.82E-18	1.93E-18	1.72E-18	6.45	12.56
Ne VII	115.3320	11 $\rightarrow$ 2	4.25E-18	2.89E-18	4.25E-18	12.46	–
Ne VII	<b>115.3920</b>	11 $\rightarrow$ 3	1.27E-17	8.65E-18	1.27E-17	12.46	–
Ne VII	<b>115.5250</b>	11 $\rightarrow$ 4	2.11E-17	1.44E-17	2.11E-17	12.46	–
Ne VII	115.9550	41 $\rightarrow$ 9	2.14E-18	4.03E-19	2.14E-18	12.55	7.25
Ne VII	<b>116.6930</b>	20 $\rightarrow$ 5	2.61E-16	2.61E-16	1.20E-16	12.48	–
N VI	116.8000	40 $\rightarrow$ 6	9.32E-19	2.99E-19	9.32E-19	15.07	10.72
Mg VI	116.9670	20 $\rightarrow$ 3	1.95E-18	9.90E-19	1.95E-18	9.74	–
Mg VI	116.9710	22 $\rightarrow$ 4	4.29E-19	3.33E-20	4.28E-19	8.76	–
Mg VI	116.9890	21 $\rightarrow$ 5	7.06E-19	1.26E-19	7.06E-19	9.29	–
Mg VII	<b>117.0380</b>	28 $\rightarrow$ 12	2.59E-17	1.31E-17	2.44E-17	7.32	–
Mg VI	117.2280	19 $\rightarrow$ 2	1.16E-18	4.45E-19	1.16E-18	8.74	–
Mg VII	<b>117.3000</b>	27 $\rightarrow$ 11	1.05E-17	1.05E-17	7.26E-18	6.66	–
Mg VII	117.5180	32 $\rightarrow$ 12	2.73E-18	5.10E-19	1.92E-18	6.88	–

Ion	$\lambda$ (Å)	Transition	Peak $\Lambda$	$\Lambda$ (Low $n$ )	$\Lambda$ (High $n$ )	$\log n_0$	$\log n_1$
Mg VII	117.6420	31 $\rightarrow$ 12	5.49E-18	3.13E-18	2.71E-18	9.43	–
Mg VII	117.8070	30 $\rightarrow$ 11	6.99E-18	6.99E-18	8.30E-19	6.49	7.77
Ne VI	118.6230	122 $\rightarrow$ 7	1.56E-18	9.94E-19	8.99E-19	6.46	12.56
Ne VI	118.6270	112 $\rightarrow$ 6	1.10E-18	1.10E-18	5.28E-19	12.41	–
Ne VII	120.2010	39 $\rightarrow$ 7	3.04E-18	2.96E-19	3.04E-18	12.55	7.27
Ne VI	120.2440	93 $\rightarrow$ 3	5.75E-19	4.76E-20	5.69E-19	12.63	–
Ne VI	120.2720	77 $\rightarrow$ 4	7.67E-19	4.71E-20	7.59E-19	12.42	–
Ne VII	120.2740	34 $\rightarrow$ 6	6.62E-18	7.53E-19	6.62E-18	12.51	–
Ne VII	120.3290	39 $\rightarrow$ 8	8.99E-18	8.74E-19	8.99E-18	12.55	7.27
O VII	<b>120.3310</b>	12 $\rightarrow$ 2	1.66E-17	1.02E-17	1.66E-17	11.43	–
Ne VII	120.3480	34 $\rightarrow$ 7	4.90E-18	5.57E-19	4.90E-18	12.51	–
Ne VI	120.3520	110 $\rightarrow$ 4	4.95E-19	6.05E-20	4.89E-19	12.56	–
Ne VI	120.4020	93 $\rightarrow$ 5	8.35E-19	6.92E-20	8.28E-19	12.63	–
Ne VI	120.4450	110 $\rightarrow$ 5	2.12E-18	2.60E-19	2.10E-18	12.56	–
C VI	120.4605	20 $\rightarrow$ 3	1.65E-18	8.92E-19	1.65E-18	14.06	–
Ne VII	120.4760	34 $\rightarrow$ 8	8.20E-18	9.32E-19	8.20E-18	12.51	–
O VII	120.5000	10 $\rightarrow$ 2	3.32E-18	2.01E-18	3.32E-18	11.43	–
O VII	120.5000	11 $\rightarrow$ 2	9.08E-18	6.07E-18	9.08E-18	11.34	–
C VI	120.5280	21 $\rightarrow$ 4	3.46E-18	1.87E-18	3.46E-18	14.06	–
C VI	120.5336	17 $\rightarrow$ 4	2.15E-18	1.35E-18	2.15E-18	14.06	–
Ne VII	120.8100	44 $\rightarrow$ 8	1.46E-18	1.46E-18	8.59E-19	12.48	–
Ne VII	<b>120.9540</b>	35 $\rightarrow$ 9	1.58E-17	2.01E-18	1.58E-17	12.55	7.25
Mg VI	121.0250	20 $\rightarrow$ 5	1.25E-18	6.32E-19	1.25E-18	9.74	–
Ne VI	121.0490	91 $\rightarrow$ 3	1.49E-18	1.15E-19	1.48E-18	12.61	–
Ne VI	121.0640	76 $\rightarrow$ 3	1.39E-18	1.01E-19	1.38E-18	12.76	–
Ne VI	121.1000	108 $\rightarrow$ 4	3.65E-18	2.70E-19	3.61E-18	12.43	–
Ne VI	121.1140	91 $\rightarrow$ 4	1.62E-18	1.25E-19	1.60E-18	12.61	–
Ne VI	121.1500	120 $\rightarrow$ 5	6.37E-18	2.94E-19	6.31E-18	12.60	–
Ne VI	121.1940	108 $\rightarrow$ 5	1.13E-18	8.35E-20	1.12E-18	12.43	–
Ne VII	121.7740	38 $\rightarrow$ 10	5.46E-18	2.08E-19	5.46E-18	12.52	–
Ne VI	122.4880	19 $\rightarrow$ 1	8.66E-19	6.11E-20	8.60E-19	12.81	–
Ne VI	<b>122.4880</b>	31 $\rightarrow$ 1	2.55E-17	2.55E-17	1.12E-17	12.35	–
N VI	122.5000	21 $\rightarrow$ 2	2.29E-18	1.58E-18	2.29E-18	10.81	–
N VI	122.5000	22 $\rightarrow$ 2	3.99E-18	2.59E-18	3.99E-18	10.86	–
Ne VI	122.6850	20 $\rightarrow$ 2	1.36E-18	1.08E-18	8.01E-19	4.48	12.65
Ne VI	122.6850	31 $\rightarrow$ 2	5.10E-18	5.10E-18	2.24E-18	12.35	–
Ne VI	<b>122.6850</b>	50 $\rightarrow$ 2	4.66E-17	2.73E-17	2.67E-17	6.46	12.56
Mg VII	<b>125.6420</b>	33 $\rightarrow$ 13	1.20E-17	1.84E-18	1.14E-17	9.61	–
Ne VII	<b>127.6650</b>	12 $\rightarrow$ 5	1.91E-16	1.91E-16	8.00E-17	12.48	–
Ne VI	128.0710	96 $\rightarrow$ 9	8.59E-19	8.59E-19	4.98E-19	12.53	–
Ne VII	<b>128.0770</b>	40 $\rightarrow$ 9	1.46E-17	7.46E-19	1.46E-17	12.55	7.27
Ne VI	128.1860	113 $\rightarrow$ 10	1.65E-18	1.26E-18	9.50E-19	6.43	12.56
O VII	128.4120	15 $\rightarrow$ 5	8.14E-18	9.52E-19	8.14E-18	11.36	–
O VII	128.5000	14 $\rightarrow$ 4	4.04E-18	4.15E-19	4.04E-18	14.78	11.27
O VII	128.5000	14 $\rightarrow$ 5	3.00E-18	3.07E-19	3.00E-18	14.78	11.27
O VII	128.5000	15 $\rightarrow$ 6	2.69E-18	3.15E-19	2.69E-18	11.36	–
O VII	<b>128.5000</b>	16 $\rightarrow$ 6	1.91E-17	1.80E-18	1.91E-17	14.92	11.27
Mg VII	<b>128.9010</b>	34 $\rightarrow$ 15	1.15E-17	1.63E-18	1.09E-17	10.12	–
Ne VI	130.2580	121 $\rightarrow$ 7	7.19E-18	4.01E-18	4.27E-18	6.46	12.56
Ne VI	130.3990	111 $\rightarrow$ 6	5.39E-18	5.39E-18	2.49E-18	12.34	–

Ion	$\lambda$ (Å)	Transition	Peak $\Lambda$	$\Lambda$ (Low $n$ )	$\Lambda$ (High $n$ )	$\log n_0$	$\log n_1$
N VI	130.4000	24 $\rightarrow$ 4	6.61E-19	1.66E-19	6.61E-19	15.02	10.72
N VI	130.4000	25 $\rightarrow$ 5	1.35E-18	3.61E-19	1.35E-18	14.96	10.72
N VI	130.4000	26 $\rightarrow$ 6	3.07E-18	6.76E-19	3.07E-18	15.07	10.72
Mg VII	130.9370	32 $\rightarrow$ 14	4.06E-18	7.59E-19	2.86E-18	6.88	–
Fe VIII	<b>130.9410</b>	5 $\rightarrow$ 1	8.51E-16	8.51E-16	2.87E-16	8.95	–
Mg VII	131.0920	31 $\rightarrow$ 14	3.55E-18	2.02E-18	1.76E-18	9.43	–
Fe VIII	<b>131.2400</b>	6 $\rightarrow$ 2	3.99E-16	7.39E-19	3.99E-16	8.95	–
Fe VIII	<b>131.2570</b>	5 $\rightarrow$ 2	6.14E-17	6.14E-17	2.08E-17	8.95	–
Mg VII	131.2980	30 $\rightarrow$ 14	4.94E-18	4.94E-18	5.87E-19	6.49	7.77
N VI	131.9000	18 $\rightarrow$ 5	6.62E-19	2.76E-19	6.62E-19	10.77	–
N VI	131.9000	18 $\rightarrow$ 6	1.10E-18	4.59E-19	1.10E-18	10.77	–
Mg VII	<b>132.5600</b>	33 $\rightarrow$ 15	3.90E-17	5.95E-18	3.70E-17	9.61	–
O VII	132.7770	8 $\rightarrow$ 5	4.52E-18	1.64E-18	4.52E-18	11.30	–
O VII	132.8000	8 $\rightarrow$ 4	1.53E-18	5.56E-19	1.53E-18	11.30	–
O VII	132.8740	8 $\rightarrow$ 6	7.50E-18	2.72E-18	7.50E-18	11.30	–
Ne VI	133.4710	109 $\rightarrow$ 7	2.67E-18	2.05E-18	1.74E-18	4.06	12.68
Ne VI	133.5120	92 $\rightarrow$ 6	1.75E-18	1.75E-18	1.10E-18	12.50	–
Ne VII	133.6400	35 $\rightarrow$ 10	3.47E-18	4.39E-19	3.47E-18	12.55	7.25
N VII	133.8743	9 $\rightarrow$ 4	6.45E-19	8.82E-20	6.45E-19	14.66	–
C VI	134.9075	13 $\rightarrow$ 3	5.89E-18	2.26E-18	5.89E-18	14.06	–
C VI	134.9177	10 $\rightarrow$ 3	1.91E-18	1.13E-18	1.91E-18	14.06	–
C VI	<b>134.9904</b>	14 $\rightarrow$ 4	1.25E-17	4.79E-18	1.25E-17	14.06	–
C VI	134.9940	13 $\rightarrow$ 4	2.35E-18	9.05E-19	2.35E-18	14.06	–
C VI	135.0042	10 $\rightarrow$ 4	7.63E-18	4.51E-18	7.63E-18	14.06	–
Ne VII	135.2840	15 $\rightarrow$ 6	3.24E-18	8.17E-19	3.24E-18	12.54	–
Ne VII	<b>135.3300</b>	16 $\rightarrow$ 7	2.05E-17	5.22E-18	2.05E-17	12.41	–
Ne VII	135.3770	15 $\rightarrow$ 7	2.36E-18	5.96E-19	2.36E-18	12.54	–
Ne VII	<b>135.4020</b>	14 $\rightarrow$ 7	1.59E-17	5.62E-18	1.59E-17	12.48	–
Ne VII	<b>135.4920</b>	16 $\rightarrow$ 8	5.91E-17	1.50E-17	5.91E-17	12.41	–
Ne VII	135.5390	15 $\rightarrow$ 8	3.83E-18	9.66E-19	3.83E-18	12.54	–
O VII	135.8200	17 $\rightarrow$ 7	6.67E-18	3.13E-18	6.67E-18	13.56	–
Ne VI	136.3400	106 $\rightarrow$ 5	5.16E-19	9.09E-20	5.10E-19	12.50	–
N VI	136.7000	27 $\rightarrow$ 7	9.90E-19	3.95E-19	9.90E-19	13.07	–
Ar XI	136.9240	9 $\rightarrow$ 1	6.06E-19	3.49E-20	6.06E-19	11.80	–
Ne VI	138.3870	16 $\rightarrow$ 1	1.04E-18	8.35E-19	6.04E-19	4.47	12.64
Ne VI	138.5510	79 $\rightarrow$ 8	1.44E-18	1.40E-18	8.61E-19	12.55	–
Ne VI	138.6300	95 $\rightarrow$ 8	2.95E-18	2.31E-18	1.75E-18	4.49	12.65
Ne VI	138.6390	16 $\rightarrow$ 2	2.10E-18	1.69E-18	1.22E-18	4.32	12.64
Ne VI	140.0680	66 $\rightarrow$ 13	3.65E-19	1.05E-20	3.57E-19	12.46	–
Ne VI	140.9630	94 $\rightarrow$ 8	1.60E-18	1.25E-18	9.46E-19	3.61	12.66
Ne VII	141.0840	15 $\rightarrow$ 9	1.36E-18	3.43E-19	1.36E-18	12.54	–
Ne VII	141.6490	13 $\rightarrow$ 9	4.52E-18	4.52E-18	2.15E-18	12.48	–
Ne VI	142.5210	39 $\rightarrow$ 11	4.98E-19	1.93E-20	4.93E-19	12.46	–
Ne VI	142.5210	55 $\rightarrow$ 11	7.38E-19	1.12E-20	7.31E-19	12.63	–
Ne VI	144.8960	94 $\rightarrow$ 10	7.91E-19	6.15E-19	4.67E-19	3.24	12.66
Ne VI	147.4690	109 $\rightarrow$ 10	1.10E-18	8.44E-19	7.17E-19	4.56	12.68
Ne VI	<b>147.5870</b>	89 $\rightarrow$ 7	1.07E-17	5.91E-18	6.15E-18	6.46	12.56
Ne VI	147.5930	89 $\rightarrow$ 6	1.18E-18	6.51E-19	6.78E-19	3.82	Bad Fit
Ne VI	147.7720	75 $\rightarrow$ 6	8.39E-18	8.39E-18	3.04E-18	6.52	12.51
Ni XII	147.8370	31 $\rightarrow$ 1	3.84E-18	1.34E-18	3.69E-18	10.29	–

Ion	$\lambda$ (Å)	Transition	Peak $\Lambda$	$\Lambda$ (Low $n$ )	$\Lambda$ (High $n$ )	$\log n_0$	$\log n_1$
Ar XII	149.9300	13 $\rightarrow$ 2	3.08E-19	1.62E-20	3.08E-19	11.62	–
Ar XI	<b>151.8610</b>	9 $\rightarrow$ 4	4.44E-17	2.56E-18	4.44E-17	11.80	–
Ni XII	<b>152.1400</b>	30 $\rightarrow$ 1	1.70E-17	1.15E-17	1.63E-17	10.28	–
Ni XII	<b>152.1540</b>	29 $\rightarrow$ 1	4.73E-16	4.73E-16	2.46E-16	10.29	–
Ni XII	<b>153.1890</b>	31 $\rightarrow$ 2	1.49E-16	5.18E-17	1.43E-16	10.29	–
Mg VII	153.6720	41 $\rightarrow$ 16	1.13E-18	1.83E-19	7.89E-19	6.88	–
Ni XII	<b>154.1620</b>	28 $\rightarrow$ 1	2.30E-16	2.30E-16	1.42E-16	10.29	–
Mg VII	154.3740	40 $\rightarrow$ 17	8.48E-19	4.77E-19	4.33E-19	9.56	–
Ar XII	154.4300	12 $\rightarrow$ 3	8.94E-19	4.52E-20	8.94E-19	11.79	9.63
Mg VII	154.4740	39 $\rightarrow$ 17	7.43E-19	7.43E-19	1.19E-19	6.68	8.79
Mg VII	154.6820	39 $\rightarrow$ 18	1.24E-18	1.24E-18	1.98E-19	6.68	8.79
Ni XIII	154.6890	45 $\rightarrow$ 2	3.85E-19	1.92E-20	3.78E-19	10.85	–
S X	154.8800	13 $\rightarrow$ 1	2.78E-19	1.61E-20	2.78E-19	10.69	–
C V	156.3000	34 $\rightarrow$ 2	7.71E-18	1.45E-18	7.71E-18	15.30	10.14
C V	156.3000	35 $\rightarrow$ 2	9.61E-18	4.77E-18	9.61E-18	10.29	–
C V	<b>156.3000</b>	36 $\rightarrow$ 2	2.51E-17	7.43E-18	2.51E-17	15.26	10.14
S X	157.0110	12 $\rightarrow$ 1	2.33E-18	1.20E-19	2.33E-18	11.11	8.68
Mg VII	157.3490	46 $\rightarrow$ 19	4.33E-19	4.14E-20	4.11E-19	9.61	–
Ni XIII	157.5510	46 $\rightarrow$ 4	5.42E-18	2.16E-19	5.33E-18	10.99	–
Ni XIII	<b>157.7290</b>	42 $\rightarrow$ 1	4.77E-17	4.77E-17	6.91E-18	9.71	–
Ni XII	<b>157.8130</b>	30 $\rightarrow$ 2	5.37E-17	3.65E-17	5.16E-17	10.28	–
Ni XIII	158.6400	44 $\rightarrow$ 2	1.68E-18	4.97E-19	1.04E-18	6.79	9.43
Ni XIII	158.7710	44 $\rightarrow$ 3	2.35E-18	6.95E-19	1.45E-18	6.79	9.43
Ne VI	159.8190	89 $\rightarrow$ 8	1.71E-18	9.45E-19	9.84E-19	3.83	Bad Fit
Ni XII	159.9900	28 $\rightarrow$ 2	2.69E-18	2.69E-18	1.66E-18	10.29	–
Ne VI	160.0290	75 $\rightarrow$ 8	1.26E-18	1.26E-18	4.59E-19	6.52	12.51
Ni XII	<b>160.5550</b>	27 $\rightarrow$ 1	1.01E-16	1.01E-16	7.66E-17	10.29	–
N VI	161.4000	10 $\rightarrow$ 2	4.56E-18	2.28E-18	4.56E-18	10.89	–
N VI	<b>161.4000</b>	11 $\rightarrow$ 2	1.25E-17	6.86E-18	1.25E-17	10.82	–
N VI	<b>161.4000</b>	12 $\rightarrow$ 2	2.29E-17	1.14E-17	2.29E-17	10.89	–
Ni XIII	161.5600	45 $\rightarrow$ 4	2.46E-18	1.22E-19	2.41E-18	10.85	–
Ni XIII	161.7830	47 $\rightarrow$ 5	1.45E-18	3.09E-20	1.44E-18	11.97	–
S IX	<b>162.3180</b>	9 $\rightarrow$ 1	2.37E-17	1.12E-18	2.37E-17	11.11	–
Ca IX	162.3740	15 $\rightarrow$ 3	1.07E-18	2.31E-19	1.07E-18	13.97	–
Ca IX	163.2320	15 $\rightarrow$ 4	1.78E-18	3.85E-19	1.78E-18	13.97	–
Fe XI	<b>163.8240</b>	47 $\rightarrow$ 2	1.53E-17	1.50E-20	1.47E-17	11.31	–
Ni XIII	<b>164.1500</b>	38 $\rightarrow$ 1	2.92E-17	2.92E-17	4.93E-18	9.69	–
S X	164.2620	11 $\rightarrow$ 1	7.55E-19	1.47E-20	7.55E-19	11.33	–
Fe XI	<b>164.2660</b>	47 $\rightarrow$ 3	2.41E-17	1.08E-20	2.32E-17	11.31	–
S IX	164.4500	9 $\rightarrow$ 2	6.05E-19	2.86E-20	6.05E-19	11.11	–
Ne VI	164.8950	89 $\rightarrow$ 10	8.91E-19	4.93E-19	5.13E-19	6.46	12.56
Ni XII	164.9240	26 $\rightarrow$ 1	7.06E-18	3.65E-18	6.99E-18	11.39	–
Fe XII	165.1580	41 $\rightarrow$ 1	2.49E-18	2.26E-20	1.83E-18	10.38	Bad Fit
S IX	165.1730	9 $\rightarrow$ 3	1.52E-18	7.18E-20	1.52E-18	11.11	–
Fe XII	<b>165.5820</b>	40 $\rightarrow$ 1	1.94E-17	4.42E-19	1.50E-17	10.60	–
Ni XII	<b>166.8860</b>	27 $\rightarrow$ 2	2.83E-17	2.83E-17	2.14E-17	10.30	–
Ni XII	166.9510	25 $\rightarrow$ 1	2.16E-18	1.49E-18	2.16E-18	11.34	–
C V	167.4000	38 $\rightarrow$ 4	5.00E-18	1.02E-18	5.00E-18	15.24	10.14
C V	167.4000	38 $\rightarrow$ 5	3.70E-18	7.55E-19	3.70E-18	15.24	10.14
C V	<b>167.4000</b>	39 $\rightarrow$ 5	1.05E-17	2.00E-18	1.05E-17	15.29	10.14

Ion	$\lambda$ (Å)	Transition	Peak $\Lambda$	$\Lambda$ (Low $n$ )	$\Lambda$ (High $n$ )	$\log n_0$	$\log n_1$
C V	167.4000	39 $\rightarrow$ 6	3.47E-18	6.63E-19	3.47E-18	15.29	10.14
C V	<b>167.4000</b>	40 $\rightarrow$ 6	2.12E-17	3.70E-18	2.12E-17	15.23	10.14
Fe XI	<b>168.3420</b>	46 $\rightarrow$ 1	3.59E-17	4.42E-19	3.43E-17	10.44	–
C V	168.5000	32 $\rightarrow$ 4	9.67E-19	2.55E-19	9.67E-19	10.19	–
C V	168.5000	32 $\rightarrow$ 5	2.85E-18	7.54E-19	2.85E-18	10.19	–
C V	168.5000	32 $\rightarrow$ 6	4.74E-18	1.25E-18	4.74E-18	10.19	–
Ne VI	168.7580	87 $\rightarrow$ 7	6.89E-18	4.70E-18	4.00E-18	4.22	12.70
Ne VI	168.7660	87 $\rightarrow$ 6	7.47E-19	5.09E-19	4.33E-19	4.71	12.70
Ne VI	168.8580	73 $\rightarrow$ 6	4.79E-18	4.79E-18	2.08E-18	12.34	–
Ni XIII	169.5900	38 $\rightarrow$ 2	4.59E-18	4.59E-18	7.74E-19	9.69	–
S XI	170.2790	15 $\rightarrow$ 2	4.06E-19	1.28E-20	3.96E-19	11.48	–
Fe X	<b>170.5770</b>	31 $\rightarrow$ 1	1.23E-15	9.96E-17	1.13E-15	9.95	–
Fe XI	<b>170.8420</b>	47 $\rightarrow$ 4	6.23E-17	2.79E-20	5.98E-17	11.31	–
Fe IX	<b>171.0730</b>	13 $\rightarrow$ 1	1.56E-13	1.56E-13	5.10E-14	10.37	–
O V	171.5740	15 $\rightarrow$ 1	1.39E-18	3.10E-19	1.37E-18	11.73	–
Ar XI	171.8530	9 $\rightarrow$ 5	3.24E-18	1.87E-19	3.24E-18	11.80	–
O V	<b>172.1690</b>	13 $\rightarrow$ 1	1.24E-17	1.24E-17	5.07E-18	11.71	–
Fe XI	172.7530	45 $\rightarrow$ 1	8.19E-18	3.20E-20	7.84E-18	10.39	–
Fe XII	173.0880	36 $\rightarrow$ 1	2.67E-18	2.56E-20	2.01E-18	10.45	Bad Fit
Fe XII	<b>173.3880</b>	37 $\rightarrow$ 1	2.11E-17	4.27E-19	1.29E-17	9.67	12.39
C V	<b>173.4000</b>	20 $\rightarrow$ 2	1.01E-17	3.76E-18	1.01E-17	10.32	–
C V	<b>173.4000</b>	21 $\rightarrow$ 2	2.93E-17	1.18E-17	2.93E-17	10.29	–
C V	<b>173.4000</b>	22 $\rightarrow$ 2	5.04E-17	1.90E-17	5.04E-17	10.32	–
Ni XII	173.6380	25 $\rightarrow$ 2	9.93E-19	6.85E-19	9.92E-19	11.34	–
N VI	174.0000	14 $\rightarrow$ 4	5.71E-18	4.93E-19	5.71E-18	15.04	10.71
N VI	174.0000	14 $\rightarrow$ 5	4.23E-18	3.65E-19	4.23E-18	15.04	10.71
N VI	<b>174.0000</b>	15 $\rightarrow$ 5	1.14E-17	1.09E-18	1.14E-17	14.96	10.72
N VI	174.0000	15 $\rightarrow$ 6	3.78E-18	3.60E-19	3.78E-18	14.96	10.72
N VI	<b>174.0000</b>	16 $\rightarrow$ 6	2.73E-17	2.06E-18	2.73E-17	15.09	10.72
Fe X	<b>174.5340</b>	30 $\rightarrow$ 1	1.00E-13	1.00E-13	5.40E-14	9.90	–

Table 4: Temperature =  $3.16228e + 06$  K

Ion	$\lambda$ ( $\text{\AA}$ )	Transition	Peak $\Lambda$	$\Lambda$ (Low $n$ )	$\Lambda$ (High $n$ )	$\log n_0$	$\log n_1$
Ar XIV	31.3960	89 $\rightarrow$ 8	1.77E-18	1.08E-20	1.70E-18	10.77	-
Ar XIV	31.5390	87 $\rightarrow$ 6	4.91E-19	2.10E-19	4.72E-19	10.76	-
Ar XIV	31.5480	87 $\rightarrow$ 7	5.55E-18	2.37E-18	5.34E-18	10.76	-
Ar XIV	31.5490	75 $\rightarrow$ 8	5.30E-18	5.30E-18	1.71E-18	10.78	-
S XIII	31.5550	32 $\rightarrow$ 3	5.88E-19	3.76E-20	5.88E-19	14.93	10.23
Ar XIV	31.5970	73 $\rightarrow$ 6	7.33E-18	7.33E-18	3.16E-18	10.78	-
S XIII	31.6520	32 $\rightarrow$ 4	2.56E-18	1.64E-19	2.56E-18	14.93	10.23
S XIII	31.7200	29 $\rightarrow$ 3	9.30E-19	1.01E-19	9.30E-19	14.97	10.23
S XIII	31.7220	30 $\rightarrow$ 4	1.54E-18	9.90E-20	1.54E-18	14.92	10.23
Ar XIV	31.7520	89 $\rightarrow$ 9	7.55E-19	1.09E-20	7.26E-19	10.79	-
S XIII	31.7820	21 $\rightarrow$ 3	5.30E-19	3.22E-20	5.30E-19	14.95	-
Ar XIV	31.8590	89 $\rightarrow$ 10	6.37E-19	2.04E-20	6.12E-19	10.81	-
S XIII	31.9440	23 $\rightarrow$ 4	8.61E-18	9.16E-19	8.61E-18	14.91	10.23
Ar XIV	32.6100	87 $\rightarrow$ 8	6.59E-19	2.82E-19	6.34E-19	10.76	-
S XII	32.6690	38 $\rightarrow$ 1	1.11E-18	1.11E-18	6.39E-19	9.91	-
S XII	32.8030	21 $\rightarrow$ 1	1.13E-18	1.13E-18	5.72E-19	9.90	-
S XII	32.8990	54 $\rightarrow$ 2	1.08E-18	4.17E-19	9.64E-19	9.83	-
S XII	32.9260	37 $\rightarrow$ 2	1.68E-18	2.62E-19	1.50E-18	9.84	-
S XII	32.9430	21 $\rightarrow$ 2	7.94E-19	7.94E-19	4.01E-19	9.90	-
Ar XIV	33.0050	73 $\rightarrow$ 9	1.54E-18	1.54E-18	6.62E-19	10.78	-
Ar XIV	33.0430	87 $\rightarrow$ 10	1.30E-18	5.55E-19	1.25E-18	10.76	-
S XII	33.4500	123 $\rightarrow$ 5	8.63E-19	6.65E-20	8.63E-19	14.96	-
S XIII	<b>33.8060</b>	17 $\rightarrow$ 2	1.37E-17	5.93E-18	1.37E-17	14.67	-
S XIII	<b>33.8520</b>	18 $\rightarrow$ 3	2.80E-17	1.07E-17	2.80E-17	14.76	-
S XIII	<b>33.8560</b>	17 $\rightarrow$ 3	1.02E-17	4.41E-18	1.02E-17	14.67	-
S XIII	<b>33.9510</b>	19 $\rightarrow$ 4	6.07E-17	2.00E-17	6.07E-17	14.90	10.23
S XIII	33.9640	18 $\rightarrow$ 4	9.18E-18	3.52E-18	9.18E-18	14.76	-
S XII	<b>34.5330</b>	36 $\rightarrow$ 1	1.90E-17	1.90E-17	7.00E-18	9.88	-
S XII	<b>34.5860</b>	53 $\rightarrow$ 2	1.41E-17	5.66E-20	1.27E-17	9.85	-
S XIII	34.6320	43 $\rightarrow$ 8	3.43E-18	4.09E-19	3.43E-18	14.93	10.23
S XII	34.6900	36 $\rightarrow$ 2	5.41E-18	5.41E-18	1.99E-18	9.88	-
S XIII	34.6940	42 $\rightarrow$ 7	3.46E-18	4.79E-19	3.46E-18	14.96	10.23
S XIII	34.7480	45 $\rightarrow$ 8	5.24E-18	1.83E-19	5.24E-18	14.93	10.23
S XII	34.7760	35 $\rightarrow$ 1	8.05E-19	1.01E-19	8.05E-19	14.58	-
S XII	34.8930	52 $\rightarrow$ 2	2.96E-18	1.97E-19	2.96E-18	14.97	9.85
S XII	34.9340	35 $\rightarrow$ 2	8.10E-19	1.01E-19	8.10E-19	14.58	-
S XIII	34.9670	25 $\rightarrow$ 7	7.32E-19	9.75E-20	7.32E-19	14.91	10.23
S XIII	34.9670	37 $\rightarrow$ 7	1.15E-18	1.64E-19	1.15E-18	14.91	10.23
S XIII	35.1400	36 $\rightarrow$ 6	1.54E-18	3.44E-19	1.54E-18	14.90	-
S XIII	35.1400	37 $\rightarrow$ 8	9.33E-19	1.33E-19	9.33E-19	14.91	10.23
S XII	35.2030	18 $\rightarrow$ 1	4.94E-18	4.94E-18	1.96E-18	9.88	-
S XII	35.2820	17 $\rightarrow$ 1	2.88E-18	2.88E-18	1.14E-18	9.87	-
S XIII	35.3140	46 $\rightarrow$ 9	1.32E-18	4.90E-19	1.32E-18	14.94	10.23
S XII	35.3660	18 $\rightarrow$ 2	1.70E-18	1.70E-18	6.73E-19	9.88	-
S XII	35.4450	17 $\rightarrow$ 2	1.01E-18	1.01E-18	4.00E-19	9.87	-
Ca XI	35.7370	2 $\rightarrow$ 1	5.70E-18	5.59E-18	2.57E-19	13.84	-
S XIII	35.8510	44 $\rightarrow$ 8	4.12E-18	3.48E-19	4.12E-18	14.98	10.23
S XII	35.9520	112 $\rightarrow$ 6	4.35E-18	4.35E-18	2.14E-18	9.89	-
S XII	35.9820	122 $\rightarrow$ 7	3.74E-18	1.03E-18	3.33E-18	9.83	-
S XII	36.1240	94 $\rightarrow$ 4	1.39E-18	1.64E-19	1.36E-18	9.86	-

Ion	$\lambda$ (Å)	Transition	Peak $\Lambda$	$\Lambda$ (Low $n$ )	$\Lambda$ (High $n$ )	$\log n_0$	$\log n_1$
S XII	36.1330	93 $\rightarrow$ 3	4.02E-19	2.21E-20	4.02E-19	14.69	9.86
S XII	36.1790	78 $\rightarrow$ 4	1.35E-18	1.27E-19	1.35E-18	14.60	9.93
S XII	36.1950	93 $\rightarrow$ 4	1.28E-18	7.03E-20	1.28E-18	14.70	9.86
S XII	36.2130	94 $\rightarrow$ 5	1.63E-18	1.92E-19	1.59E-18	9.86	–
S XII	36.2530	91 $\rightarrow$ 3	2.27E-18	1.17E-18	2.27E-18	-Inf	9.76
S XII	36.2530	110 $\rightarrow$ 5	4.09E-18	1.49E-18	4.09E-18	14.83	–
S XII	36.2700	92 $\rightarrow$ 3	1.38E-18	1.38E-18	6.94E-19	9.87	–
S XII	36.2820	93 $\rightarrow$ 5	1.64E-18	9.00E-20	1.64E-18	14.70	9.86
S XII	36.3160	91 $\rightarrow$ 4	1.42E-18	7.32E-19	1.42E-18	-Inf	9.76
S XII	36.3320	92 $\rightarrow$ 4	1.78E-18	1.78E-18	8.91E-19	9.87	–
S XII	36.3350	120 $\rightarrow$ 5	7.52E-18	5.41E-19	7.52E-18	14.99	9.85
S XII	36.3360	108 $\rightarrow$ 4	6.15E-18	3.68E-18	6.15E-18	14.60	9.82
S XII	36.3980	19 $\rightarrow$ 1	7.50E-19	3.09E-19	7.50E-19	-Inf	9.83
S XII	<b>36.3980</b>	31 $\rightarrow$ 1	1.15E-16	1.15E-16	4.21E-17	9.88	–
S XII	<b>36.5640</b>	50 $\rightarrow$ 2	8.08E-17	1.03E-17	7.20E-17	9.84	–
S XII	<b>36.5730</b>	31 $\rightarrow$ 2	2.29E-17	2.29E-17	8.37E-18	9.88	–
S XII	36.6490	90 $\rightarrow$ 3	5.40E-19	5.40E-19	2.31E-19	9.85	–
S XII	36.6770	107 $\rightarrow$ 4	1.30E-18	1.30E-18	7.29E-19	9.83	–
S XIII	36.6940	41 $\rightarrow$ 9	1.32E-18	2.64E-19	1.32E-18	14.95	10.23
S XII	36.7120	90 $\rightarrow$ 4	6.36E-19	6.36E-19	2.72E-19	9.85	–
S XII	36.7140	119 $\rightarrow$ 5	1.58E-18	1.58E-18	1.34E-18	-Inf	9.76
S XIII	36.7730	44 $\rightarrow$ 9	6.50E-19	5.48E-20	6.50E-19	14.98	10.23
S XII	36.8850	80 $\rightarrow$ 8	6.56E-19	1.31E-19	5.85E-19	9.84	–
S XII	36.8920	76 $\rightarrow$ 3	1.54E-18	4.91E-19	1.54E-18	-Inf	9.79
S XIII	36.9100	40 $\rightarrow$ 9	2.77E-18	4.86E-19	2.77E-18	14.97	10.23
S XII	37.4020	97 $\rightarrow$ 10	1.57E-18	1.57E-18	1.03E-18	9.93	–
S XII	37.4630	113 $\rightarrow$ 10	5.17E-18	3.70E-18	4.62E-18	9.79	–
S XIII	37.4860	39 $\rightarrow$ 7	2.93E-18	3.13E-20	2.93E-18	14.91	10.23
S XII	37.5670	96 $\rightarrow$ 9	3.85E-18	3.85E-18	2.41E-18	9.92	–
S XIII	37.5810	34 $\rightarrow$ 6	1.80E-18	1.71E-19	1.80E-18	14.98	–
S XII	<b>37.6030</b>	121 $\rightarrow$ 7	1.73E-17	2.13E-19	1.55E-17	9.84	–
S XIII	37.6520	39 $\rightarrow$ 8	8.00E-18	8.54E-20	8.00E-18	14.91	10.23
S XIII	37.6920	34 $\rightarrow$ 7	1.25E-18	1.19E-19	1.25E-18	14.98	–
S XII	<b>37.7150</b>	111 $\rightarrow$ 6	2.90E-17	2.90E-17	1.13E-17	9.88	–
S XII	37.7190	111 $\rightarrow$ 7	3.14E-18	3.14E-18	1.23E-18	9.88	–
S XIII	37.7680	24 $\rightarrow$ 7	2.38E-18	4.90E-19	2.38E-18	14.94	10.23
S XIII	37.8640	34 $\rightarrow$ 8	2.19E-18	2.08E-19	2.19E-18	14.98	–
S XII	38.0020	46 $\rightarrow$ 12	8.93E-19	8.93E-19	3.15E-19	9.88	–
S XII	38.0090	61 $\rightarrow$ 13	4.31E-19	3.16E-20	4.05E-19	9.85	–
S XII	38.1690	94 $\rightarrow$ 7	7.89E-19	9.30E-20	7.72E-19	9.86	–
S XII	38.4580	77 $\rightarrow$ 6	3.20E-18	3.20E-18	1.01E-18	9.88	–
S XII	38.6110	92 $\rightarrow$ 6	6.27E-18	6.27E-18	3.14E-18	9.87	–
S XI	38.6330	44 $\rightarrow$ 2	3.42E-18	1.20E-19	1.91E-18	8.49	11.28
S XIII	38.7820	16 $\rightarrow$ 7	6.40E-18	2.23E-18	6.40E-18	14.91	10.23
S XII	38.8240	79 $\rightarrow$ 8	2.62E-18	2.53E-19	2.36E-18	9.84	–
S XII	38.8810	95 $\rightarrow$ 8	9.62E-18	9.62E-18	6.18E-18	9.92	–
S XIII	<b>38.9040</b>	16 $\rightarrow$ 8	1.60E-17	5.60E-18	1.60E-17	14.91	10.23
S XII	38.9210	106 $\rightarrow$ 5	7.03E-19	1.07E-20	7.03E-19	14.71	9.87
S XII	39.0140	47 $\rightarrow$ 14	4.52E-19	4.52E-19	1.58E-19	9.88	–
S XI	39.1100	43 $\rightarrow$ 2	5.08E-18	1.66E-18	3.42E-18	8.63	11.74

Ion	$\lambda$ (Å)	Transition	Peak $\Lambda$	$\Lambda$ (Low $n$ )	$\Lambda$ (High $n$ )	$\log n_0$	$\log n_1$
S XI	39.1300	42 $\rightarrow$ 2	6.48E-19	1.11E-20	4.79E-19	9.09	–
S XII	39.1470	74 $\rightarrow$ 4	6.11E-19	6.11E-19	3.24E-19	9.80	–
S XII	39.2070	79 $\rightarrow$ 9	9.13E-19	8.82E-20	8.24E-19	9.84	–
S XII	39.2190	66 $\rightarrow$ 13	5.97E-19	3.56E-20	5.97E-19	14.67	–
S XI	39.2200	43 $\rightarrow$ 3	3.93E-18	1.29E-18	2.64E-18	8.63	11.74
S XI	<b>39.2400</b>	39 $\rightarrow$ 1	7.17E-17	7.17E-17	7.63E-18	8.98	–
S XI	<b>39.2400</b>	42 $\rightarrow$ 3	1.44E-17	2.21E-19	1.06E-17	9.25	12.05
S XI	39.2710	36 $\rightarrow$ 3	1.30E-18	6.64E-19	1.25E-18	9.29	–
S XII	39.2860	16 $\rightarrow$ 1	1.22E-18	1.22E-18	3.91E-19	9.88	–
S XI	<b>39.3000</b>	40 $\rightarrow$ 2	2.57E-17	1.48E-18	1.42E-17	8.48	11.30
S XI	<b>39.3200</b>	39 $\rightarrow$ 2	2.27E-17	2.27E-17	2.41E-18	8.98	–
S XI	<b>39.3230</b>	41 $\rightarrow$ 3	3.16E-17	5.62E-19	2.31E-17	9.30	12.05
S XII	39.3290	46 $\rightarrow$ 14	7.25E-19	7.25E-19	2.56E-19	9.88	–
S XII	39.3690	95 $\rightarrow$ 10	1.24E-18	1.24E-18	7.98E-19	9.92	–
S XII	39.4880	16 $\rightarrow$ 2	1.30E-18	1.30E-18	4.17E-19	9.88	–
S XII	39.4900	16 $\rightarrow$ 2	1.23E-18	1.23E-18	3.94E-19	9.88	–
S XII	39.5680	94 $\rightarrow$ 8	7.56E-19	8.92E-20	7.40E-19	9.86	–
S XI	39.5720	37 $\rightarrow$ 2	5.73E-19	1.50E-19	5.65E-19	11.64	–
S XI	<b>39.6480</b>	46 $\rightarrow$ 4	2.31E-17	6.26E-19	2.28E-17	11.63	–
S XII	39.9070	77 $\rightarrow$ 8	9.41E-19	9.41E-19	2.96E-19	9.88	–
S XII	40.0640	55 $\rightarrow$ 11	8.20E-19	1.15E-20	8.20E-19	15.00	–
S XII	40.0730	94 $\rightarrow$ 10	1.01E-18	1.19E-19	9.84E-19	9.86	–
S XI	40.1020	42 $\rightarrow$ 4	4.04E-19	1.59E-20	2.99E-19	9.10	–
S XII	40.1750	39 $\rightarrow$ 11	7.01E-19	1.05E-20	7.01E-19	14.59	–
S XIII	40.3770	14 $\rightarrow$ 7	4.82E-18	2.15E-18	4.82E-18	14.94	10.23
S XII	40.4150	77 $\rightarrow$ 9	3.53E-18	3.53E-18	1.11E-18	9.88	–
S XII	40.5310	77 $\rightarrow$ 10	1.49E-18	1.49E-18	4.70E-19	9.88	–
S XI	40.5660	37 $\rightarrow$ 4	3.92E-18	1.03E-18	3.87E-18	11.64	–
S XII	40.5850	92 $\rightarrow$ 9	2.12E-18	2.12E-18	1.06E-18	9.87	–
S XI	40.7070	45 $\rightarrow$ 5	4.03E-18	3.30E-19	3.98E-18	12.02	–
C V	<b>40.7302</b>	5 $\rightarrow$ 1	1.48E-17	1.19E-18	1.42E-17	10.30	–
S XII	40.8340	89 $\rightarrow$ 6	2.26E-18	1.40E-20	2.02E-18	9.84	–
S XII	<b>40.8370</b>	89 $\rightarrow$ 7	2.16E-17	1.33E-19	1.93E-17	9.84	–
S XII	<b>40.9830</b>	75 $\rightarrow$ 6	4.20E-17	4.20E-17	1.21E-17	9.88	–
C V	<b>41.4715</b>	2 $\rightarrow$ 1	1.44E-17	1.44E-17	1.80E-20	10.29	–
Ar IX	41.4760	27 $\rightarrow$ 1	1.04E-18	1.04E-18	5.61E-19	13.17	–
S XII	42.4720	89 $\rightarrow$ 8	4.35E-18	2.68E-20	3.88E-18	9.84	–
S XII	<b>42.6330</b>	75 $\rightarrow$ 8	1.06E-17	1.06E-17	3.04E-18	9.88	–
S XI	42.6350	21 $\rightarrow$ 2	8.74E-19	3.00E-19	5.33E-19	8.43	11.18
Si XI	42.8250	32 $\rightarrow$ 4	1.60E-18	5.06E-20	1.60E-18	14.52	9.32
Si XI	42.8670	30 $\rightarrow$ 4	8.18E-19	3.92E-20	8.18E-19	14.52	9.32
Si XI	42.9500	29 $\rightarrow$ 3	5.66E-19	3.31E-20	5.66E-19	14.52	9.33
S XI	42.9900	23 $\rightarrow$ 2	9.98E-19	1.47E-19	8.04E-19	8.87	–
S XII	43.0480	89 $\rightarrow$ 9	1.04E-18	1.34E-20	9.27E-19	9.86	–
S XI	43.0990	22 $\rightarrow$ 1	2.03E-18	2.03E-18	5.57E-19	9.00	–
S XI	43.1230	23 $\rightarrow$ 3	2.93E-18	4.31E-19	2.36E-18	8.87	–
S XII	43.1790	89 $\rightarrow$ 10	1.49E-18	1.21E-20	1.33E-18	9.85	–
S XI	43.1960	22 $\rightarrow$ 2	1.41E-18	1.41E-18	3.88E-19	9.00	–
S XII	43.2130	75 $\rightarrow$ 9	8.56E-19	8.56E-19	2.46E-19	9.88	–
Si XI	43.2900	23 $\rightarrow$ 4	5.04E-18	3.63E-19	5.04E-18	14.52	9.32

Ion	$\lambda$ (Å)	Transition	Peak $\Lambda$	$\Lambda$ (Low $n$ )	$\Lambda$ (High $n$ )	$\log n_0$	$\log n_1$
S XI	43.3300	22 $\rightarrow$ 3	2.68E-18	2.68E-18	7.36E-19	9.00	–
S XII	43.3460	75 $\rightarrow$ 10	7.94E-19	7.94E-19	2.29E-19	9.88	–
S XII	43.6470	87 $\rightarrow$ 6	1.20E-18	5.30E-19	1.08E-18	9.83	–
S XII	<b>43.6510</b>	87 $\rightarrow$ 7	1.26E-17	5.53E-18	1.12E-17	9.83	–
Si XI	43.6560	31 $\rightarrow$ 3	8.49E-19	1.50E-19	8.49E-19	14.49	–
S XII	<b>43.7180</b>	73 $\rightarrow$ 6	1.68E-17	1.68E-17	6.51E-18	9.88	–
Si XI	<b>43.7630</b>	13 $\rightarrow$ 1	3.48E-17	3.48E-17	2.11E-17	14.39	–
S XI	43.9000	24 $\rightarrow$ 4	1.88E-18	3.15E-19	1.85E-18	11.65	–
S XII	44.1630	35 $\rightarrow$ 11	8.54E-19	1.07E-19	8.54E-19	14.58	–
S XI	45.2050	24 $\rightarrow$ 5	5.27E-19	8.84E-20	5.20E-19	11.65	–
S XII	45.5240	87 $\rightarrow$ 8	1.22E-18	5.37E-19	1.09E-18	9.83	–
S XII	46.2650	73 $\rightarrow$ 9	3.10E-18	3.10E-18	1.20E-18	9.88	–
Si XI	<b>46.2980</b>	18 $\rightarrow$ 3	1.64E-17	3.89E-18	1.64E-17	14.48	–
S XII	46.3370	87 $\rightarrow$ 10	2.73E-18	1.20E-18	2.44E-18	9.83	–
Si XI	<b>46.3990</b>	19 $\rightarrow$ 4	3.25E-17	7.29E-18	3.25E-17	14.52	9.32
Si XI	46.4090	18 $\rightarrow$ 4	5.42E-18	1.28E-18	5.42E-18	14.48	–
S XII	46.4170	73 $\rightarrow$ 10	9.65E-19	9.65E-19	3.73E-19	9.88	–
S XII	46.6040	65 $\rightarrow$ 13	6.51E-19	1.28E-20	6.51E-19	9.95	–
S XI	46.8460	32 $\rightarrow$ 7	5.34E-19	5.93E-20	4.10E-19	9.15	–
S XI	46.8640	32 $\rightarrow$ 9	1.88E-18	2.09E-19	1.44E-18	9.15	–
S XI	46.9300	31 $\rightarrow$ 7	1.01E-18	2.01E-19	5.96E-19	8.47	11.27
S XI	46.9330	31 $\rightarrow$ 8	4.85E-19	9.59E-20	2.85E-19	8.47	11.27
Si XI	46.9960	17 $\rightarrow$ 2	7.61E-18	2.18E-18	7.61E-18	14.45	–
S XI	47.0300	30 $\rightarrow$ 8	4.16E-18	4.16E-18	3.85E-19	8.93	–
Si XI	47.0770	17 $\rightarrow$ 3	5.67E-18	1.62E-18	5.67E-18	14.45	–
Si XI	47.3540	37 $\rightarrow$ 7	6.06E-19	5.88E-20	6.06E-19	14.52	9.32
Si XI	47.4550	37 $\rightarrow$ 8	5.67E-19	5.50E-20	5.67E-19	14.52	9.32
Si XI	47.4880	43 $\rightarrow$ 8	2.10E-18	1.86E-19	2.10E-18	14.52	9.32
Si X	47.4890	36 $\rightarrow$ 1	1.84E-18	1.84E-18	5.45E-19	8.89	–
S XI	47.5400	28 $\rightarrow$ 9	6.67E-19	2.36E-19	6.56E-19	9.67	–
Si X	47.5450	53 $\rightarrow$ 2	1.29E-18	1.44E-20	1.01E-18	8.82	–
Si XI	47.6050	42 $\rightarrow$ 7	2.17E-18	1.73E-19	2.17E-18	14.52	9.33
Si XI	47.6530	45 $\rightarrow$ 8	3.25E-18	6.94E-20	3.25E-18	14.52	9.32
S XI	48.3290	31 $\rightarrow$ 12	6.70E-19	1.33E-19	3.94E-19	8.47	11.27
S XI	48.4190	30 $\rightarrow$ 11	1.07E-18	1.07E-18	9.90E-20	8.93	–
Si XI	48.6030	36 $\rightarrow$ 6	9.43E-19	7.60E-20	9.43E-19	14.50	–
S XI	48.9560	28 $\rightarrow$ 12	1.06E-18	3.76E-19	1.05E-18	9.67	–
Si XI	<b>49.2220</b>	20 $\rightarrow$ 5	7.71E-17	7.71E-17	4.46E-17	14.39	–
Si XI	49.2650	41 $\rightarrow$ 9	7.89E-19	9.63E-20	7.89E-19	14.52	9.32
Si XI	49.6720	44 $\rightarrow$ 8	2.73E-18	1.27E-19	2.73E-18	14.53	9.35
Si X	50.3050	108 $\rightarrow$ 4	7.11E-19	2.16E-19	7.11E-19	14.36	–
Si X	50.3330	120 $\rightarrow$ 5	1.13E-18	4.41E-20	1.13E-18	14.47	–
Si XI	50.4100	39 $\rightarrow$ 7	1.71E-18	1.14E-20	1.71E-18	14.52	9.32
Si X	<b>50.5240</b>	31 $\rightarrow$ 1	1.05E-17	1.05E-17	3.13E-18	8.89	–
Si XI	50.5240	39 $\rightarrow$ 8	4.87E-18	3.25E-20	4.87E-18	14.52	9.32
Si XI	50.6170	35 $\rightarrow$ 9	2.31E-18	2.31E-18	1.38E-18	14.39	–
Si X	50.6910	50 $\rightarrow$ 2	7.20E-18	8.17E-19	5.59E-18	8.80	–
Si X	50.7030	31 $\rightarrow$ 2	2.09E-18	2.09E-18	6.25E-19	8.89	–
Si XI	51.4080	40 $\rightarrow$ 9	1.87E-18	1.95E-19	1.87E-18	14.53	9.34
S XI	51.4950	32 $\rightarrow$ 14	4.37E-19	4.85E-20	3.35E-19	9.15	–

Ion	$\lambda$ (Å)	Transition	Peak $\Lambda$	$\Lambda$ (Low $n$ )	$\Lambda$ (High $n$ )	$\log n_0$	$\log n_1$
S XI	51.7140	30 $\rightarrow$ 14	7.16E-19	7.16E-19	6.62E-20	8.93	–
Si XI	<b>52.2980</b>	12 $\rightarrow$ 5	5.64E-17	5.64E-17	3.15E-17	14.39	–
S XI	52.4530	33 $\rightarrow$ 15	1.84E-18	2.62E-19	1.82E-18	11.61	–
Si X	52.4850	121 $\rightarrow$ 7	1.51E-18	1.99E-20	1.18E-18	8.81	–
Si X	52.6110	111 $\rightarrow$ 6	2.62E-18	2.62E-18	8.34E-19	8.89	–
Si XI	52.6720	34 $\rightarrow$ 6	1.27E-18	3.93E-20	1.27E-18	14.52	–
Mg XI	52.7400	16 $\rightarrow$ 6	6.54E-19	1.40E-19	6.54E-19	13.59	–
Si XI	52.7910	34 $\rightarrow$ 7	9.10E-19	2.81E-20	9.10E-19	14.52	–
Si XI	52.8810	24 $\rightarrow$ 7	1.38E-18	1.82E-19	1.38E-18	14.52	9.32
Si XI	52.9900	34 $\rightarrow$ 8	1.55E-18	4.79E-20	1.55E-18	14.52	–
Si X	54.5990	95 $\rightarrow$ 8	8.79E-19	8.79E-19	4.68E-19	8.95	–
Si IX	55.3050	39 $\rightarrow$ 1	8.49E-19	8.49E-19	9.48E-20	7.88	–
Si IX	55.4010	41 $\rightarrow$ 3	4.46E-19	2.10E-20	3.13E-19	8.27	11.33
Fe XV	55.6360	33 $\rightarrow$ 2	7.75E-18	4.93E-18	7.75E-18	10.27	–
Fe XV	55.8140	33 $\rightarrow$ 3	5.83E-18	3.70E-18	5.83E-18	10.27	–
Si IX	56.0270	46 $\rightarrow$ 4	2.95E-19	1.40E-20	2.85E-19	10.96	–
Fe XV	<b>56.2000</b>	35 $\rightarrow$ 4	4.09E-17	1.94E-17	4.09E-17	10.17	–
Si X	57.2090	89 $\rightarrow$ 7	1.83E-18	1.41E-20	1.42E-18	8.81	–
Si XI	57.3070	16 $\rightarrow$ 7	3.24E-18	7.90E-19	3.24E-18	14.52	9.32
Si X	57.3650	75 $\rightarrow$ 6	3.51E-18	3.51E-18	8.27E-19	8.88	–
Si XI	57.4130	14 $\rightarrow$ 7	2.45E-18	7.79E-19	2.45E-18	14.38	–
Si XI	57.5410	16 $\rightarrow$ 8	8.60E-18	2.09E-18	8.60E-18	14.52	9.32
Ne IX	58.4680	26 $\rightarrow$ 6	2.88E-18	1.65E-18	2.88E-18	12.73	–
Ne IX	58.5300	25 $\rightarrow$ 5	1.39E-18	8.29E-19	1.39E-18	12.65	–
Ne IX	58.9900	18 $\rightarrow$ 6	1.15E-18	7.32E-19	1.15E-18	12.61	–
Si X	59.9450	89 $\rightarrow$ 8	3.68E-19	1.03E-20	2.86E-19	8.83	–
Si X	60.1180	75 $\rightarrow$ 8	7.68E-19	7.68E-19	1.81E-19	8.88	–
Si X	62.6160	87 $\rightarrow$ 7	1.06E-18	4.71E-19	8.33E-19	8.77	–
Mg IX	62.6610	15 $\rightarrow$ 1	8.67E-19	4.46E-19	8.67E-19	13.94	–
Si X	62.6950	73 $\rightarrow$ 6	1.44E-18	1.44E-18	4.58E-19	8.89	–
Mg IX	62.7510	13 $\rightarrow$ 1	4.95E-18	4.95E-18	2.37E-18	13.86	–
Fe XV	65.3680	27 $\rightarrow$ 2	3.15E-18	1.76E-18	3.15E-18	10.20	–
Ne X	65.5816	9 $\rightarrow$ 4	1.58E-18	1.02E-18	1.58E-18	15.68	–
Fe XV	65.6150	27 $\rightarrow$ 3	9.53E-18	5.34E-18	9.53E-18	10.20	–
Fe XV	65.8950	39 $\rightarrow$ 7	2.97E-18	1.32E-20	2.97E-18	10.19	–
Fe XV	66.1110	39 $\rightarrow$ 8	7.51E-18	1.05E-20	7.51E-18	10.17	–
Fe XV	<b>66.2300</b>	27 $\rightarrow$ 4	1.65E-17	9.26E-18	1.65E-17	10.20	–
Fe XV	66.3300	38 $\rightarrow$ 6	1.48E-18	1.27E-19	1.48E-18	15.66	–
Fe XV	66.5560	38 $\rightarrow$ 7	1.13E-18	9.67E-20	1.13E-18	15.66	–
Fe XV	66.7760	38 $\rightarrow$ 8	1.10E-18	9.40E-20	1.10E-18	15.66	–
Fe XV	<b>66.8670</b>	39 $\rightarrow$ 9	2.01E-17	2.79E-20	2.01E-17	10.17	–
Fe XV	66.9470	37 $\rightarrow$ 8	5.09E-18	9.39E-19	5.09E-18	10.22	–
Mg IX	67.0900	17 $\rightarrow$ 2	1.14E-18	2.34E-19	1.14E-18	13.89	–
Mg IX	67.1350	18 $\rightarrow$ 3	2.51E-18	4.12E-19	2.51E-18	13.90	–
Mg IX	67.1410	17 $\rightarrow$ 3	8.52E-19	1.75E-19	8.52E-19	13.89	–
Mg IX	67.2390	19 $\rightarrow$ 4	5.24E-18	7.92E-19	5.24E-18	13.92	8.35
Mg IX	67.2460	18 $\rightarrow$ 4	8.36E-19	1.37E-19	8.36E-19	13.90	–
Fe XV	67.5480	38 $\rightarrow$ 9	1.12E-18	9.59E-20	1.12E-18	15.66	–
Mg IX	69.4670	45 $\rightarrow$ 8	5.01E-19	1.35E-20	5.01E-19	13.93	8.42
Fe XV	<b>70.0540</b>	43 $\rightarrow$ 13	7.78E-17	4.50E-17	7.78E-17	10.17	–

Ion	$\lambda$ (Å)	Transition	Peak $\Lambda$	$\Lambda$ (Low $n$ )	$\Lambda$ (High $n$ )	$\log n_0$	$\log n_1$
Mg IX	72.3120	20 $\rightarrow$ 5	9.87E-18	9.87E-18	4.65E-18	13.86	–
Ne IX	<b>74.3500</b>	12 $\rightarrow$ 2	2.18E-17	1.53E-17	2.18E-17	12.66	–
Mg IX	74.3730	39 $\rightarrow$ 8	7.51E-19	1.62E-20	7.51E-19	13.93	8.40
Ne IX	74.5300	10 $\rightarrow$ 2	4.19E-18	2.88E-18	4.19E-18	12.66	–
Ne IX	<b>74.5300</b>	11 $\rightarrow$ 2	1.25E-17	8.94E-18	1.25E-17	12.61	–
O VIII	<b>75.8403</b>	13 $\rightarrow$ 3	1.61E-17	1.05E-17	1.61E-17	14.87	–
O VIII	<b>75.9232</b>	14 $\rightarrow$ 4	3.41E-17	2.23E-17	3.41E-17	14.87	–
O VIII	75.9268	13 $\rightarrow$ 4	6.43E-18	4.20E-18	6.43E-18	14.87	–
Mg IX	77.7370	12 $\rightarrow$ 5	7.09E-18	7.09E-18	3.19E-18	13.86	–
Ne IX	<b>78.3000</b>	16 $\rightarrow$ 6	1.81E-17	4.22E-18	1.81E-17	12.70	–
Ne IX	78.3500	14 $\rightarrow$ 4	4.04E-18	9.63E-19	4.04E-18	12.66	–
Ne IX	78.3500	14 $\rightarrow$ 5	3.00E-18	7.14E-19	3.00E-18	12.66	–
Ne IX	78.3500	15 $\rightarrow$ 5	8.50E-18	2.17E-18	8.50E-18	12.64	–
Ne IX	78.3500	15 $\rightarrow$ 6	2.81E-18	7.19E-19	2.81E-18	12.64	–
Ne IX	80.4100	8 $\rightarrow$ 4	1.83E-18	9.12E-19	1.83E-18	12.60	–
Ne IX	80.4100	8 $\rightarrow$ 5	5.40E-18	2.69E-18	5.40E-18	12.60	–
Ne IX	80.4100	8 $\rightarrow$ 6	8.97E-18	4.46E-18	8.97E-18	12.60	–
Mg IX	81.4900	16 $\rightarrow$ 8	1.04E-18	1.90E-19	1.04E-18	13.93	8.36
O VII	81.9140	36 $\rightarrow$ 2	9.80E-18	6.99E-18	9.80E-18	11.61	–
O VII	82.0100	34 $\rightarrow$ 2	2.17E-18	1.36E-18	2.17E-18	11.86	–
Ne IX	<b>82.0200</b>	17 $\rightarrow$ 7	1.22E-17	7.41E-18	1.22E-17	14.44	–
Fe XV	82.5240	31 $\rightarrow$ 10	7.34E-19	1.64E-19	7.34E-19	10.17	–
Fe XV	<b>82.5890</b>	31 $\rightarrow$ 11	1.11E-17	2.48E-18	1.11E-17	10.17	–
Fe XV	<b>82.7000</b>	31 $\rightarrow$ 13	6.26E-17	1.40E-17	6.26E-17	10.17	–
Fe XV	<b>82.9910</b>	29 $\rightarrow$ 10	1.29E-17	4.84E-18	1.29E-17	10.21	–
O VII	86.5400	32 $\rightarrow$ 5	1.40E-18	9.18E-19	1.40E-18	11.43	–
O VII	86.5400	32 $\rightarrow$ 6	2.33E-18	1.52E-18	2.33E-18	11.43	–
Fe XVII	<b>90.5292</b>	28 $\rightarrow$ 2	3.26E-17	4.64E-18	3.26E-17	14.11	–
Fe XIX	91.0200	9 $\rightarrow$ 4	3.47E-18	6.33E-19	3.47E-18	14.01	–
O VII	<b>91.0780</b>	21 $\rightarrow$ 2	1.63E-17	1.24E-17	1.63E-17	11.44	–
O VII	91.2000	20 $\rightarrow$ 2	4.99E-18	3.54E-18	4.99E-18	11.48	–
O VII	<b>91.2000</b>	22 $\rightarrow$ 2	2.53E-17	1.81E-17	2.53E-17	11.48	–
Fe XVII	91.8810	28 $\rightarrow$ 3	8.80E-18	1.25E-18	8.80E-18	14.11	–
O VII	<b>96.1260</b>	26 $\rightarrow$ 6	2.63E-17	1.50E-17	2.63E-17	11.61	–
O VII	96.1900	24 $\rightarrow$ 4	6.02E-18	3.65E-18	6.02E-18	11.55	–
O VII	96.1900	24 $\rightarrow$ 5	4.46E-18	2.71E-18	4.46E-18	11.55	–
O VII	<b>96.1900</b>	25 $\rightarrow$ 5	1.22E-17	7.65E-18	1.22E-17	11.49	–
O VII	96.1900	25 $\rightarrow$ 6	4.05E-18	2.53E-18	4.05E-18	11.49	–
O VII	97.0760	18 $\rightarrow$ 6	7.29E-18	4.27E-18	7.29E-18	11.43	–
O VII	97.1500	18 $\rightarrow$ 4	1.49E-18	8.71E-19	1.49E-18	11.43	–
O VII	97.1500	18 $\rightarrow$ 5	4.39E-18	2.57E-18	4.39E-18	11.43	–
Ne VII	97.4950	13 $\rightarrow$ 1	1.53E-18	1.53E-18	6.54E-19	12.66	–
N VII	99.0882	13 $\rightarrow$ 3	1.07E-18	4.99E-19	1.07E-18	14.54	–
N VII	99.1711	14 $\rightarrow$ 4	2.27E-18	1.06E-18	2.27E-18	14.54	–
Fe XVII	99.6816	28 $\rightarrow$ 4	5.00E-18	7.11E-19	5.00E-18	14.11	–
Fe XVII	100.7570	28 $\rightarrow$ 5	7.73E-18	1.10E-18	7.73E-18	14.11	–
O VIII	<b>102.3476</b>	8 $\rightarrow$ 3	9.17E-17	3.16E-17	9.17E-17	14.87	–
O VIII	<b>102.3919</b>	5 $\rightarrow$ 3	3.75E-17	2.53E-17	3.75E-17	14.87	–
O VIII	<b>102.4897</b>	9 $\rightarrow$ 4	1.94E-16	6.69E-17	1.94E-16	14.87	–
O VIII	<b>102.5052</b>	8 $\rightarrow$ 4	3.67E-17	1.26E-17	3.67E-17	14.87	–

Ion	$\lambda$ (Å)	Transition	Peak $\Lambda$	$\Lambda$ (Low $n$ )	$\Lambda$ (High $n$ )	$\log n_0$	$\log n_1$
O VIII	<b>102.5497</b>	5 $\rightarrow$ 4	1.50E-16	1.01E-16	1.50E-16	14.87	–
Ne VII	106.0860	18 $\rightarrow$ 3	5.29E-19	9.16E-20	5.29E-19	12.70	–
Ne VII	106.1900	19 $\rightarrow$ 4	9.99E-19	1.92E-19	9.99E-19	12.72	7.38
Fe XIX	106.3300	8 $\rightarrow$ 3	1.20E-18	1.05E-20	1.18E-18	13.35	–
Fe XIX	108.3700	6 $\rightarrow$ 1	9.09E-18	9.09E-18	5.66E-18	13.62	–
Ca XIV	116.5050	12 $\rightarrow$ 1	1.68E-18	8.14E-20	1.68E-18	12.70	10.76
Ne VII	116.6930	20 $\rightarrow$ 5	1.92E-18	1.92E-18	8.30E-19	12.66	–
Ca XIII	117.6050	9 $\rightarrow$ 1	3.19E-18	2.26E-19	3.19E-18	12.70	–
Fe XIX	120.0000	6 $\rightarrow$ 3	2.46E-18	2.46E-18	1.53E-18	13.62	–
O VII	<b>120.3310</b>	12 $\rightarrow$ 2	1.31E-16	7.82E-17	1.31E-16	11.49	–
O VII	<b>120.5000</b>	10 $\rightarrow$ 2	2.53E-17	1.46E-17	2.53E-17	11.49	–
O VII	<b>120.5000</b>	11 $\rightarrow$ 2	7.34E-17	4.57E-17	7.34E-17	11.44	–
C VI	120.5280	21 $\rightarrow$ 4	2.64E-18	1.87E-18	2.64E-18	14.01	–
Ca XIV	121.1920	11 $\rightarrow$ 1	3.98E-19	1.18E-20	3.98E-19	12.68	–
N VI	122.5000	22 $\rightarrow$ 2	1.03E-18	6.10E-19	1.03E-18	10.91	–
Ca XV	125.4990	15 $\rightarrow$ 2	1.86E-18	1.73E-20	1.86E-18	13.38	12.36
Ne VII	127.6650	12 $\rightarrow$ 5	1.27E-18	1.27E-18	5.31E-19	12.67	–
Ca XIV	<b>128.2540</b>	13 $\rightarrow$ 2	5.96E-17	2.24E-18	5.96E-17	12.62	–
O VII	<b>128.4120</b>	15 $\rightarrow$ 5	6.28E-17	1.64E-17	6.28E-17	11.48	–
O VII	<b>128.5000</b>	14 $\rightarrow$ 4	3.15E-17	7.96E-18	3.15E-17	11.52	–
O VII	<b>128.5000</b>	14 $\rightarrow$ 5	2.34E-17	5.90E-18	2.34E-17	11.52	–
O VII	128.5000	14 $\rightarrow$ 6	1.58E-18	3.99E-19	1.58E-18	11.52	–
O VII	<b>128.5000</b>	15 $\rightarrow$ 6	2.08E-17	5.42E-18	2.08E-17	11.48	–
O VII	<b>128.5000</b>	16 $\rightarrow$ 6	1.46E-16	3.39E-17	1.46E-16	14.95	11.39
N VI	130.4000	26 $\rightarrow$ 6	1.17E-18	5.94E-19	1.17E-18	11.16	–
Ca XIII	<b>131.2180</b>	9 $\rightarrow$ 4	1.31E-16	9.27E-18	1.31E-16	12.70	–
O VII	<b>132.7770</b>	8 $\rightarrow$ 5	3.28E-17	1.45E-17	3.28E-17	11.43	–
O VII	<b>132.8000</b>	8 $\rightarrow$ 4	1.11E-17	4.91E-18	1.11E-17	11.43	–
O VII	<b>132.8740</b>	8 $\rightarrow$ 6	5.44E-17	2.40E-17	5.44E-17	11.43	–
Ca XIV	<b>132.9140</b>	12 $\rightarrow$ 2	4.48E-17	2.16E-18	4.48E-17	12.70	10.76
N VII	133.7323	8 $\rightarrow$ 3	7.24E-18	1.50E-18	7.24E-18	14.54	–
N VII	133.7764	5 $\rightarrow$ 3	3.45E-18	2.01E-18	3.45E-18	14.54	–
N VII	<b>133.8743</b>	9 $\rightarrow$ 4	1.53E-17	3.21E-18	1.53E-17	14.54	–
N VII	133.8899	8 $\rightarrow$ 4	2.89E-18	6.00E-19	2.89E-18	14.54	–
N VII	<b>133.9341</b>	5 $\rightarrow$ 4	1.38E-17	8.05E-18	1.38E-17	14.54	–
Ar XII	134.1440	12 $\rightarrow$ 1	8.44E-19	3.24E-20	8.44E-19	12.13	9.91
Ca XIV	<b>134.2750</b>	12 $\rightarrow$ 3	2.25E-16	1.09E-17	2.25E-16	12.70	10.76
C VI	134.9075	13 $\rightarrow$ 3	3.75E-18	2.10E-18	3.75E-18	14.01	–
C VI	134.9904	14 $\rightarrow$ 4	7.96E-18	4.45E-18	7.96E-18	14.01	–
C VI	134.9940	13 $\rightarrow$ 4	1.50E-18	8.38E-19	1.50E-18	14.01	–
O VII	<b>135.8200</b>	17 $\rightarrow$ 7	7.20E-17	5.17E-17	7.20E-17	13.78	–
Ar XI	136.9240	9 $\rightarrow$ 1	1.13E-18	5.81E-20	1.13E-18	12.16	–
Ca XIV	<b>139.0490</b>	11 $\rightarrow$ 2	3.38E-17	5.61E-19	3.38E-17	12.62	–
Ca XIV	<b>140.2120</b>	13 $\rightarrow$ 4	1.04E-17	3.90E-19	1.04E-17	12.62	–
Ca XV	<b>141.6870</b>	15 $\rightarrow$ 4	7.14E-17	6.62E-19	7.14E-17	13.38	12.36
Ca XIV	<b>142.3980</b>	13 $\rightarrow$ 5	6.93E-17	2.61E-18	6.93E-17	12.62	–
Ca XV	144.1490	14 $\rightarrow$ 3	5.31E-18	9.29E-20	5.31E-18	13.30	12.25
Ar XIII	145.1910	15 $\rightarrow$ 2	3.07E-18	2.63E-20	3.07E-18	12.36	–
Ca XIV	<b>145.8000</b>	12 $\rightarrow$ 4	1.52E-17	7.34E-19	1.52E-17	12.70	10.76
Ca XIV	<b>148.1660</b>	12 $\rightarrow$ 5	3.17E-17	1.53E-18	3.17E-17	12.70	10.76

Ion	$\lambda$ (Å)	Transition	Peak $\Lambda$	$\Lambda$ (Low $n$ )	$\Lambda$ (High $n$ )	$\log n_0$	$\log n_1$
Ca XIII	148.8790	9 $\rightarrow$ 5	9.52E-18	6.75E-19	9.52E-18	12.70	–
Ar XII	<b>149.9300</b>	13 $\rightarrow$ 2	8.19E-17	3.20E-18	8.19E-17	11.94	–
Ar XI	<b>151.8610</b>	9 $\rightarrow$ 4	8.29E-17	4.26E-18	8.29E-17	12.16	–
Ni XII	152.1540	29 $\rightarrow$ 1	2.05E-18	2.05E-18	9.77E-19	10.53	–
Ni XII	153.1890	31 $\rightarrow$ 2	5.92E-19	2.27E-19	5.79E-19	10.44	–
Ca XIV	<b>153.2160</b>	11 $\rightarrow$ 4	4.81E-17	7.99E-19	4.81E-17	12.62	–
Ar XII	<b>153.6380</b>	12 $\rightarrow$ 2	4.52E-17	1.73E-18	4.52E-17	12.13	9.91
Ni XII	154.1620	28 $\rightarrow$ 1	1.01E-18	1.01E-18	5.66E-19	10.54	–
Ar XII	<b>154.4300</b>	12 $\rightarrow$ 3	2.38E-16	9.10E-18	2.38E-16	12.13	9.91
Ca XVI	154.8800	10 $\rightarrow$ 1	9.75E-18	3.30E-18	9.62E-18	11.65	–
Ca XIV	<b>155.8310</b>	11 $\rightarrow$ 5	2.66E-17	4.42E-19	2.66E-17	12.62	–
Ca XIII	<b>156.6810</b>	7 $\rightarrow$ 1	7.31E-17	5.71E-17	5.02E-17	13.29	–
Ni XIII	157.5510	46 $\rightarrow$ 4	1.26E-18	5.94E-20	1.25E-18	10.99	–
Ni XIII	<b>157.7290</b>	42 $\rightarrow$ 1	1.47E-17	1.47E-17	1.54E-18	9.79	–
Ca XVI	157.7880	9 $\rightarrow$ 1	7.37E-18	4.82E-18	7.27E-18	11.65	–
Ar XIII	<b>159.0780</b>	14 $\rightarrow$ 1	6.57E-17	6.01E-17	4.62E-17	12.69	–
Ca XIII	<b>159.8350</b>	8 $\rightarrow$ 2	4.23E-17	3.83E-19	3.55E-17	11.30	–
Ni XIII	159.9700	43 $\rightarrow$ 2	1.14E-18	1.14E-18	7.67E-19	11.20	–
Ca XV	<b>161.0180</b>	14 $\rightarrow$ 4	1.42E-16	2.48E-18	1.42E-16	13.30	12.25
Ar XII	<b>161.1360</b>	11 $\rightarrow$ 2	2.30E-17	2.11E-19	2.30E-17	12.13	–
N VI	161.4000	10 $\rightarrow$ 2	1.09E-18	4.97E-19	1.09E-18	10.93	–
N VI	161.4000	11 $\rightarrow$ 2	3.08E-18	1.51E-18	3.08E-18	10.89	–
N VI	161.4000	12 $\rightarrow$ 2	5.50E-18	2.55E-18	5.50E-18	10.93	–
Ni XIII	161.5600	45 $\rightarrow$ 4	5.67E-19	3.50E-20	5.57E-19	10.80	–
Ar XIII	<b>161.6090</b>	14 $\rightarrow$ 2	1.93E-16	1.77E-16	1.36E-16	12.69	–
Ca XIII	<b>161.7420</b>	6 $\rightarrow$ 1	2.83E-16	2.83E-16	1.45E-16	11.99	–
Ni XIII	161.7830	47 $\rightarrow$ 5	3.45E-19	1.18E-20	3.44E-19	12.13	–
Ca XV	<b>162.1510</b>	15 $\rightarrow$ 5	1.88E-17	1.74E-19	1.88E-17	13.38	12.36
Ar XIII	162.3550	13 $\rightarrow$ 2	3.58E-19	1.39E-20	3.57E-19	12.31	–
Ca XIII	<b>162.9250</b>	7 $\rightarrow$ 2	3.86E-17	3.01E-17	2.65E-17	13.29	–
Ar XIII	<b>162.9610</b>	15 $\rightarrow$ 4	2.13E-16	1.83E-18	2.13E-16	12.36	–
Ar XII	<b>163.2460</b>	13 $\rightarrow$ 4	1.44E-17	5.63E-19	1.44E-17	11.94	–
Ni XV	163.6390	26 $\rightarrow$ 3	5.87E-18	4.27E-20	4.54E-18	10.62	–
Ca XIII	<b>164.1090</b>	7 $\rightarrow$ 3	4.92E-17	3.84E-17	3.38E-17	13.29	–
Ni XIII	164.1500	38 $\rightarrow$ 1	8.78E-18	8.78E-18	1.07E-18	9.79	–
Ca XVI	<b>164.1660</b>	10 $\rightarrow$ 2	5.51E-17	1.87E-17	5.44E-17	11.65	–
Ar XII	<b>164.5520</b>	13 $\rightarrow$ 5	5.95E-17	2.33E-18	5.95E-17	11.94	–
Ar XIII	<b>164.8190</b>	14 $\rightarrow$ 3	3.51E-16	3.21E-16	2.47E-16	12.69	–
Ca XIV	164.8590	10 $\rightarrow$ 2	1.40E-18	2.07E-20	1.40E-18	12.25	Bad Fit
Ca XIV	<b>165.3420</b>	9 $\rightarrow$ 2	1.79E-16	9.43E-19	1.79E-16	12.24	–
Ar XIII	165.5940	13 $\rightarrow$ 3	7.84E-18	1.35E-19	7.82E-18	12.25	–
Ca XIV	<b>166.9580</b>	10 $\rightarrow$ 3	2.32E-16	1.71E-19	2.32E-16	12.77	10.70
Ni XVI	167.1810	32 $\rightarrow$ 5	6.84E-19	1.12E-20	6.68E-19	10.45	–
Ca XVI	<b>167.4370</b>	9 $\rightarrow$ 2	2.65E-17	1.73E-17	2.61E-17	11.65	–
Ca XIV	167.4530	9 $\rightarrow$ 3	6.93E-18	3.66E-20	6.93E-18	12.24	–
Ar XII	<b>167.6520</b>	12 $\rightarrow$ 4	1.51E-17	5.77E-19	1.51E-17	12.13	9.91
Ca XIII	<b>168.4040</b>	6 $\rightarrow$ 2	8.62E-17	8.62E-17	4.41E-17	11.99	–
Ca XVI	<b>168.8680</b>	8 $\rightarrow$ 1	8.44E-17	8.44E-17	3.48E-17	11.66	–
Ar XII	<b>169.0300</b>	12 $\rightarrow$ 5	3.97E-17	1.52E-18	3.97E-17	12.13	9.91
Ni XIII	169.5900	38 $\rightarrow$ 2	1.38E-18	1.38E-18	1.68E-19	9.79	–

Ion	$\lambda$ (Å)	Transition	Peak $\Lambda$	$\Lambda(\text{Low } n)$	$\Lambda(\text{High } n)$	$\log n_0$	$\log n_1$
S XI	170.2790	15 $\rightarrow$ 2	7.48E-19	1.05E-20	7.38E-19	11.74	–
Ca XV	<b>171.5910</b>	11 $\rightarrow$ 1	6.42E-17	6.42E-17	1.96E-17	10.84	–
Ni XV	171.5970	23 $\rightarrow$ 1	4.72E-18	3.60E-18	2.45E-18	12.61	–
Ar XI	171.8530	9 $\rightarrow$ 5	6.05E-18	3.11E-19	6.05E-18	12.16	–
C V	173.4000	21 $\rightarrow$ 2	5.78E-19	2.22E-19	5.78E-19	10.38	–
C V	173.4000	22 $\rightarrow$ 2	9.20E-19	2.98E-19	9.20E-19	10.39	–
Ni XV	<b>173.7240</b>	26 $\rightarrow$ 4	7.45E-17	5.42E-19	5.77E-17	10.62	–
N VI	174.0000	14 $\rightarrow$ 4	1.47E-18	3.17E-19	1.47E-18	15.10	10.83
N VI	174.0000	14 $\rightarrow$ 5	1.09E-18	2.35E-19	1.09E-18	15.09	10.83
N VI	174.0000	15 $\rightarrow$ 5	2.93E-18	6.43E-19	2.93E-18	14.99	10.84
N VI	174.0000	15 $\rightarrow$ 6	9.70E-19	2.13E-19	9.70E-19	14.99	10.84
N VI	174.0000	16 $\rightarrow$ 6	6.89E-18	1.32E-18	6.89E-18	15.17	10.83
Ni XV	<b>174.9900</b>	25 $\rightarrow$ 2	2.36E-17	2.88E-19	1.61E-17	9.78	12.86

Table 5: Temperature = 1.00000e + 07 K

Ion	$\lambda$ (Å)	Transition	Peak $\Lambda$	$\Lambda$ (Low $n$ )	$\Lambda$ (High $n$ )	$\log n_0$	$\log n_1$
Fe XIX	31.0787	690 $\rightarrow$ 97	8.11E-19	8.11E-19	3.84E-19	13.44	–
Fe XIX	31.1071	432 $\rightarrow$ 23	1.27E-18	1.27E-18	6.08E-19	13.46	–
Fe XVIII	31.2092	305 $\rightarrow$ 10	6.81E-19	4.47E-20	6.81E-19	13.51	–
Fe XVIII	31.3157	213 $\rightarrow$ 5	1.97E-18	1.97E-18	1.42E-18	13.51	–
Fe XX	31.4462	725 $\rightarrow$ 111	6.45E-19	6.45E-19	2.39E-19	13.63	–
Fe XXII	33.6869	71 $\rightarrow$ 16	5.18E-18	2.41E-18	5.18E-18	13.57	–
Fe XXII	33.8428	70 $\rightarrow$ 16	5.39E-18	5.39E-18	2.83E-18	13.57	–
S XIII	33.9510	19 $\rightarrow$ 4	7.62E-19	1.89E-19	7.62E-19	15.05	10.32
Fe XIX	34.2218	443 $\rightarrow$ 53	7.89E-19	7.89E-19	3.96E-19	13.49	–
Fe XXII	34.5554	108 $\rightarrow$ 27	3.24E-19	1.00E-20	3.24E-19	13.59	–
Fe XXII	34.6590	86 $\rightarrow$ 23	6.38E-19	6.38E-19	2.58E-19	13.57	–
Fe XXII	35.1070	72 $\rightarrow$ 17	3.93E-18	3.93E-18	2.03E-18	13.57	–
Fe XXII	35.4503	73 $\rightarrow$ 18	3.21E-18	7.99E-19	3.21E-18	13.57	–
Fe XXI	35.4677	257 $\rightarrow$ 23	7.08E-19	3.64E-20	7.08E-19	14.14	12.84
Fe XXII	35.5007	72 $\rightarrow$ 18	7.89E-19	7.89E-19	4.07E-19	13.57	–
Fe XXI	35.5037	258 $\rightarrow$ 24	6.77E-19	2.23E-19	6.77E-19	14.51	–
Fe XXII	35.5720	110 $\rightarrow$ 33	6.82E-19	2.47E-20	6.82E-19	13.62	–
Fe XXII	35.6421	96 $\rightarrow$ 30	8.26E-19	8.26E-19	3.39E-19	13.57	–
Fe XXI	35.6704	240 $\rightarrow$ 21	2.16E-18	1.59E-18	1.83E-18	12.60	–
Fe XXI	<b>35.7162</b>	242 $\rightarrow$ 22	1.58E-17	1.58E-17	1.98E-18	12.70	–
Fe XXI	35.7372	252 $\rightarrow$ 23	1.07E-18	1.19E-19	1.03E-18	12.73	–
Fe XXI	35.7692	251 $\rightarrow$ 23	3.83E-18	1.69E-19	3.74E-18	12.42	–
Fe XXI	35.7817	250 $\rightarrow$ 23	1.84E-18	2.33E-19	1.84E-18	12.78	–
Fe XXI	35.7865	257 $\rightarrow$ 24	2.92E-18	1.50E-19	2.92E-18	14.14	12.84
Fe XXI	35.8247	281 $\rightarrow$ 34	1.09E-18	1.09E-18	2.37E-19	12.70	–
Fe XXI	35.8545	287 $\rightarrow$ 38	3.32E-19	1.22E-20	2.97E-19	12.65	–
Fe XXI	35.8574	249 $\rightarrow$ 23	4.96E-19	2.12E-20	4.72E-19	12.74	–
Fe XXII	35.8631	138 $\rightarrow$ 60	5.29E-19	1.32E-19	5.29E-19	13.57	–
Fe XXII	35.9309	99 $\rightarrow$ 32	1.14E-18	1.14E-18	4.61E-19	13.57	–
Fe XXI	35.9739	239 $\rightarrow$ 21	7.37E-19	7.37E-19	3.84E-19	12.88	–
Fe XXII	36.0385	117 $\rightarrow$ 40	3.94E-19	1.74E-20	3.94E-19	13.62	–
Fe XXI	36.0463	280 $\rightarrow$ 34	9.17E-19	9.17E-19	1.64E-19	12.70	–
Fe XXI	36.0934	251 $\rightarrow$ 24	1.16E-18	5.11E-20	1.13E-18	12.42	–
Fe XXI	36.0970	239 $\rightarrow$ 22	1.51E-18	1.51E-18	7.86E-19	12.88	–
Fe XXI	36.1833	249 $\rightarrow$ 24	1.73E-18	7.38E-20	1.65E-18	12.74	–
Fe XXI	36.8104	291 $\rightarrow$ 45	3.14E-19	1.10E-20	2.73E-19	12.72	–
Fe XXII	36.8633	93 $\rightarrow$ 35	6.13E-19	6.13E-19	2.44E-19	13.57	–
Fe XXI	36.8767	248 $\rightarrow$ 25	3.44E-18	3.44E-18	4.67E-19	12.70	–
Fe XXI	37.0576	283 $\rightarrow$ 42	1.43E-18	1.43E-18	1.59E-19	12.70	–
Fe XXII	37.2009	74 $\rightarrow$ 21	2.84E-18	2.84E-18	1.86E-18	13.57	–
Fe XXII	37.3113	75 $\rightarrow$ 22	2.48E-18	1.29E-18	2.48E-18	13.57	–
Fe XXII	37.4030	145 $\rightarrow$ 63	5.12E-19	1.51E-19	5.12E-19	13.57	–
Fe XXI	37.4659	260 $\rightarrow$ 29	1.31E-18	2.90E-20	1.29E-18	12.74	–
Fe XXI	37.4718	296 $\rightarrow$ 54	7.47E-19	7.47E-19	8.40E-20	12.70	–
Fe XXI	37.4743	290 $\rightarrow$ 51	1.18E-18	1.18E-18	2.01E-19	12.70	–
Fe XXI	37.4778	289 $\rightarrow$ 50	6.77E-19	6.77E-19	1.14E-19	12.70	–
Fe XXI	37.5218	289 $\rightarrow$ 51	4.71E-19	4.71E-19	7.93E-20	12.70	–
Fe XXI	37.5227	261 $\rightarrow$ 30	9.35E-19	1.81E-20	9.06E-19	12.40	–
Fe XXII	37.5355	88 $\rightarrow$ 37	3.24E-19	1.26E-20	3.24E-19	13.62	–
Fe XXII	37.5554	78 $\rightarrow$ 30	1.01E-18	1.01E-18	3.98E-19	13.57	–

Ion	$\lambda$ (Å)	Transition	Peak $\Lambda$	$\Lambda$ (Low $n$ )	$\Lambda$ (High $n$ )	$\log n_0$	$\log n_1$
Fe XXI	37.5695	264 $\rightarrow$ 31	3.97E-19	1.95E-20	3.56E-19	12.71	-
Fe XXI	37.5782	263 $\rightarrow$ 31	7.91E-19	2.54E-20	7.35E-19	12.65	-
Fe XXI	37.5793	262 $\rightarrow$ 31	7.29E-19	2.03E-20	7.29E-19	12.62	-
Fe XX	37.5982	334 $\rightarrow$ 23	6.75E-19	7.54E-20	6.75E-19	14.23	-
Fe XXI	37.6275	263 $\rightarrow$ 32	2.81E-19	1.00E-20	2.61E-19	12.67	-
Fe XXI	37.6286	262 $\rightarrow$ 32	6.95E-19	1.93E-20	6.95E-19	12.62	-
Fe XXI	37.6335	259 $\rightarrow$ 30	2.53E-18	3.63E-19	2.53E-18	13.85	12.41
Fe XXI	37.6414	316 $\rightarrow$ 61	3.67E-19	2.08E-20	3.49E-19	12.41	-
Fe XXI	37.6530	248 $\rightarrow$ 26	1.20E-18	1.20E-18	1.63E-19	12.70	-
Fe XX	37.6562	291 $\rightarrow$ 19	1.13E-18	2.98E-19	1.13E-18	13.18	-
Fe XXI	37.7148	261 $\rightarrow$ 32	1.81E-18	3.51E-20	1.75E-18	12.40	-
Fe XXI	37.7440	246 $\rightarrow$ 26	2.52E-18	1.21E-18	2.17E-18	12.65	-
Fe XX	37.7470	334 $\rightarrow$ 24	2.07E-18	2.31E-19	2.07E-18	14.23	-
Fe XXII	37.7759	130 $\rightarrow$ 60	4.40E-19	3.77E-20	4.40E-19	13.57	-
Fe XXI	37.7792	247 $\rightarrow$ 27	3.05E-18	1.18E-18	2.86E-18	12.31	-
Fe XXI	37.7953	429 $\rightarrow$ 129	7.79E-19	1.12E-20	7.79E-19	12.67	-
Fe XXI	37.8290	300 $\rightarrow$ 57	5.88E-19	1.98E-20	5.20E-19	12.67	-
Fe XXI	37.8292	313 $\rightarrow$ 62	6.46E-19	1.25E-20	6.17E-19	12.40	-
Fe XXI	37.8295	292 $\rightarrow$ 53	1.03E-18	1.03E-18	1.76E-19	12.70	-
Fe XXI	37.8582	363 $\rightarrow$ 93	3.57E-19	1.36E-20	3.57E-19	12.86	-
Fe XXI	37.8726	375 $\rightarrow$ 100	7.79E-19	2.66E-20	7.79E-19	13.85	-
Fe XXI	37.8787	408 $\rightarrow$ 114	6.51E-19	6.51E-19	1.69E-19	12.68	-
Fe XX	<b>37.8816</b>	289 $\rightarrow$ 19	1.87E-17	1.87E-17	7.28E-18	13.63	-
Fe XXII	37.8961	121 $\rightarrow$ 54	3.43E-19	1.57E-20	3.43E-19	13.62	-
Fe XXI	37.8973	248 $\rightarrow$ 28	6.14E-18	6.14E-18	8.34E-19	12.70	-
Si XIII	37.9000	15 $\rightarrow$ 5	1.53E-18	8.35E-19	1.53E-18	14.35	-
Si XIII	37.9000	16 $\rightarrow$ 6	2.99E-18	1.48E-18	2.99E-18	14.37	-
Fe XX	37.9621	277 $\rightarrow$ 16	6.92E-18	6.92E-18	3.59E-18	13.65	-
Fe XXI	37.9687	367 $\rightarrow$ 98	3.67E-19	2.15E-20	3.67E-19	13.95	-
Fe XXII	37.9750	78 $\rightarrow$ 32	1.73E-18	1.73E-18	6.83E-19	13.57	-
Fe XX	37.9909	288 $\rightarrow$ 19	2.98E-18	2.98E-18	2.10E-18	13.79	-
Fe XX	38.0146	362 $\rightarrow$ 37	9.15E-19	9.15E-19	3.38E-19	13.63	-
Fe XX	38.0340	281 $\rightarrow$ 17	4.15E-18	4.15E-18	2.00E-18	13.64	-
Fe XX	38.0399	321 $\rightarrow$ 23	4.90E-18	1.24E-19	4.90E-18	13.98	12.56
Fe XX	38.0492	345 $\rightarrow$ 32	1.23E-18	1.21E-20	1.23E-18	14.18	-
Fe XX	38.0574	320 $\rightarrow$ 23	1.38E-18	1.56E-19	1.38E-18	14.12	12.84
Fe XXI	38.0700	296 $\rightarrow$ 58	1.59E-18	1.59E-18	1.78E-19	12.70	-
Fe XXI	38.0753	410 $\rightarrow$ 116	7.39E-19	7.39E-19	1.54E-19	12.69	-
Fe XXII	38.0798	107 $\rightarrow$ 49	7.34E-19	7.34E-19	3.20E-19	13.57	-
Fe XX	38.0879	319 $\rightarrow$ 23	2.26E-18	1.85E-19	2.26E-18	13.57	-
Fe XX	38.0913	292 $\rightarrow$ 20	1.31E-18	4.39E-19	1.31E-18	13.90	-
Fe XX	38.1194	322 $\rightarrow$ 24	6.02E-19	2.80E-20	6.02E-19	13.86	-
Fe XX	38.1196	359 $\rightarrow$ 37	7.44E-19	7.44E-19	2.79E-19	13.62	-
Fe XX	38.1355	291 $\rightarrow$ 20	3.68E-18	9.66E-19	3.68E-18	13.18	-
Fe XX	38.1497	342 $\rightarrow$ 32	9.28E-19	1.22E-20	9.28E-19	13.97	-
Fe XXI	38.1630	311 $\rightarrow$ 63	3.61E-19	1.31E-20	3.14E-19	12.68	-
Fe XXI	38.1662	328 $\rightarrow$ 69	3.82E-19	2.15E-20	3.65E-19	12.42	-
Fe XX	38.1922	321 $\rightarrow$ 24	5.62E-19	1.43E-20	5.62E-19	13.98	12.56
Fe XXII	38.2052	88 $\rightarrow$ 40	7.42E-19	1.08E-20	7.42E-19	13.60	-
Fe XX	38.2405	319 $\rightarrow$ 24	8.83E-19	7.24E-20	8.83E-19	13.57	-

Ion	$\lambda$ (Å)	Transition	Peak $\Lambda$	$\Lambda$ (Low $n$ )	$\Lambda$ (High $n$ )	$\log n_0$	$\log n_1$
Fe XX	38.2574	275 $\rightarrow$ 16	1.61E-18	1.61E-18	8.99E-19	13.64	–
Fe XXI	38.2583	265 $\rightarrow$ 33	1.63E-18	3.19E-20	1.63E-18	14.31	13.35
Fe XX	38.2599	290 $\rightarrow$ 20	2.11E-18	6.70E-19	2.11E-18	13.61	–
Fe XX	38.2852	318 $\rightarrow$ 24	1.03E-18	9.54E-20	1.03E-18	14.15	12.88
Fe XX	38.2911	526 $\rightarrow$ 116	9.81E-19	9.81E-19	3.70E-19	13.63	–
Fe XX	38.5110	281 $\rightarrow$ 18	1.39E-18	1.39E-18	6.69E-19	13.64	–
Fe XXI	38.5223	296 $\rightarrow$ 60	7.22E-19	7.22E-19	8.12E-20	12.70	–
Si XIII	38.6000	8 $\rightarrow$ 6	1.69E-18	1.13E-18	1.69E-18	14.33	–
Fe XXII	38.6287	127 $\rightarrow$ 56	7.55E-19	2.82E-20	7.55E-19	13.62	–
Fe XXII	38.7921	71 $\rightarrow$ 22	8.20E-19	3.82E-19	8.20E-19	13.57	–
Fe XXII	38.8506	70 $\rightarrow$ 21	9.51E-19	9.51E-19	4.99E-19	13.57	–
Fe XXI	39.4828	276 $\rightarrow$ 51	4.84E-19	4.84E-19	5.17E-20	12.70	–
Fe XX	39.5744	364 $\rightarrow$ 54	7.49E-19	7.49E-19	2.78E-19	13.63	–
Fe XX	39.5756	297 $\rightarrow$ 25	1.81E-18	1.81E-18	8.90E-19	13.61	–
Fe XX	39.6147	306 $\rightarrow$ 29	1.21E-18	1.21E-18	4.78E-19	13.64	–
Fe XX	39.6941	305 $\rightarrow$ 29	2.95E-18	2.95E-18	1.34E-18	13.66	–
Fe XX	39.7337	285 $\rightarrow$ 21	2.88E-18	2.88E-18	1.57E-18	13.64	–
Fe XXI	39.7958	298 $\rightarrow$ 72	7.13E-19	7.13E-19	1.25E-19	12.70	–
Fe XXI	39.7990	254 $\rightarrow$ 35	7.76E-19	7.76E-19	1.62E-19	12.69	–
Fe XXI	39.8744	271 $\rightarrow$ 43	6.98E-19	8.86E-20	6.98E-19	13.80	12.41
Fe XXI	39.9168	299 $\rightarrow$ 73	1.01E-18	1.01E-18	2.44E-19	12.74	–
Fe XX	39.9565	300 $\rightarrow$ 26	4.33E-18	4.33E-18	1.79E-18	13.64	–
Fe XIX	40.0333	320 $\rightarrow$ 26	6.87E-19	1.26E-20	6.87E-19	14.47	8.95
Fe XX	40.0491	369 $\rightarrow$ 64	6.07E-19	6.07E-19	2.25E-19	13.63	–
Fe XX	40.0624	297 $\rightarrow$ 26	9.71E-19	9.71E-19	4.78E-19	13.61	–
Fe XXI	40.0689	267 $\rightarrow$ 44	8.56E-19	2.55E-20	8.54E-19	12.65	–
Fe XXI	40.0744	276 $\rightarrow$ 54	5.96E-19	5.96E-19	6.37E-20	12.70	–
Fe XXI	40.0836	442 $\rightarrow$ 152	3.76E-19	1.65E-20	3.76E-19	12.70	–
Fe XX	40.1006	300 $\rightarrow$ 27	2.14E-18	2.14E-18	8.86E-19	13.64	–
Fe XX	40.1533	371 $\rightarrow$ 65	1.15E-18	1.15E-18	4.26E-19	13.63	–
Fe XXI	40.1634	303 $\rightarrow$ 74	1.18E-18	1.18E-18	2.11E-19	12.70	–
Fe XX	40.1639	370 $\rightarrow$ 65	7.82E-19	7.82E-19	2.90E-19	13.63	–
Fe XX	40.1972	340 $\rightarrow$ 40	4.44E-19	1.00E-20	4.44E-19	13.30	Bad Fit
Fe XX	40.2236	335 $\rightarrow$ 38	1.32E-18	4.10E-20	1.32E-18	14.03	12.65
Fe XX	40.2459	286 $\rightarrow$ 22	6.28E-18	6.28E-18	2.96E-18	13.65	–
Fe XXI	40.2790	405 $\rightarrow$ 129	4.99E-19	1.17E-20	4.99E-19	12.68	–
Fe XX	40.2914	583 $\rightarrow$ 164	6.92E-19	3.89E-20	6.92E-19	14.23	13.27
Fe XX	40.3175	309 $\rightarrow$ 33	1.93E-18	1.93E-18	7.49E-19	13.62	–
Fe XIX	40.3256	267 $\rightarrow$ 16	2.78E-18	4.24E-19	2.78E-18	13.90	–
Fe XX	40.3402	336 $\rightarrow$ 40	1.75E-18	1.70E-19	1.75E-18	14.14	12.86
Fe XX	40.3580	361 $\rightarrow$ 55	6.79E-19	2.28E-20	6.79E-19	13.99	–
Fe XX	40.3606	306 $\rightarrow$ 33	2.79E-18	2.79E-18	1.10E-18	13.64	–
Fe XIX	40.3701	249 $\rightarrow$ 14	5.40E-19	9.54E-20	4.39E-19	8.85	–
Fe XIX	<b>40.3842</b>	263 $\rightarrow$ 15	1.22E-17	1.22E-17	5.95E-18	13.44	–
Fe XX	40.3905	338 $\rightarrow$ 41	4.45E-19	3.99E-20	4.45E-19	13.92	12.71
Fe XX	40.3914	337 $\rightarrow$ 41	5.87E-19	4.36E-20	5.87E-19	13.55	–
Fe XIX	40.3958	218 $\rightarrow$ 11	1.82E-18	1.82E-18	1.20E-18	13.68	–
Fe XXI	40.3982	346 $\rightarrow$ 100	6.05E-19	2.12E-20	6.05E-19	13.85	–
Fe XIX	40.4048	248 $\rightarrow$ 14	7.42E-19	1.75E-19	7.35E-19	13.31	–
Fe XXI	40.4085	358 $\rightarrow$ 114	5.66E-19	5.66E-19	7.60E-20	12.69	–

Ion	$\lambda$ (Å)	Transition	Peak $\Lambda$	$\Lambda$ (Low $n$ )	$\Lambda$ (High $n$ )	$\log n_0$	$\log n_1$
Fe XX	40.4145	302 $\rightarrow$ 30	1.65E-18	1.20E-18	1.63E-18	13.47	–
Fe XXI	40.4172	268 $\rightarrow$ 46	1.18E-18	3.62E-20	1.18E-18	13.65	12.31
Fe XIX	40.4194	281 $\rightarrow$ 21	1.32E-18	1.47E-20	1.04E-18	8.85	–
Fe XX	40.4217	372 $\rightarrow$ 66	2.24E-18	2.24E-18	8.29E-19	13.63	–
Fe XX	40.4400	371 $\rightarrow$ 66	6.52E-19	6.52E-19	2.41E-19	13.63	–
Fe XX	40.4431	305 $\rightarrow$ 33	1.31E-18	1.31E-18	5.94E-19	13.66	–
Fe XIX	40.4778	277 $\rightarrow$ 20	4.91E-19	2.67E-20	4.91E-19	13.35	8.97
Fe XX	40.5097	434 $\rightarrow$ 112	1.80E-18	1.29E-20	1.80E-18	13.31	–
Fe XXI	40.5215	414 $\rightarrow$ 144	7.75E-19	7.75E-19	2.03E-19	12.68	–
Fe XXI	40.5240	238 $\rightarrow$ 27	8.39E-19	8.39E-19	3.47E-19	12.80	–
Fe XIX	40.5267	217 $\rightarrow$ 11	1.23E-18	1.23E-18	7.98E-19	13.67	–
Fe XX	40.5353	490 $\rightarrow$ 126	5.79E-19	2.45E-20	5.79E-19	14.16	12.67
Fe XX	40.5407	315 $\rightarrow$ 34	8.99E-19	1.18E-19	8.99E-19	13.50	–
Fe XX	40.5489	428 $\rightarrow$ 108	4.79E-19	2.65E-20	4.79E-19	13.41	–
Fe XIX	40.5745	245 $\rightarrow$ 13	2.20E-18	2.20E-18	1.37E-18	13.39	–
Fe XIX	40.5800	278 $\rightarrow$ 21	1.08E-18	2.02E-19	1.08E-18	13.83	8.97
Fe XX	40.5841	317 $\rightarrow$ 35	1.81E-18	2.54E-19	1.81E-18	13.95	12.52
Fe XX	40.5856	582 $\rightarrow$ 166	9.23E-19	1.05E-20	9.23E-19	13.42	–
Fe XXI	40.5864	270 $\rightarrow$ 48	7.50E-19	3.98E-20	7.50E-19	13.81	12.36
Fe XXI	40.5930	269 $\rightarrow$ 47	4.86E-19	5.32E-20	4.82E-19	12.65	–
Fe XIX	40.6222	302 $\rightarrow$ 25	6.21E-19	1.41E-19	6.21E-19	13.67	–
Fe XX	40.6225	553 $\rightarrow$ 159	1.76E-18	1.76E-18	7.64E-19	13.64	–
Fe XX	40.6401	360 $\rightarrow$ 57	9.57E-19	1.04E-20	9.57E-19	14.22	–
Fe XX	40.6421	425 $\rightarrow$ 106	1.69E-18	3.77E-19	1.69E-18	13.52	–
Fe XX	40.6530	340 $\rightarrow$ 43	1.24E-18	2.78E-20	1.24E-18	13.97	12.55
Fe XXI	40.6876	257 $\rightarrow$ 40	8.89E-19	4.57E-20	8.89E-19	14.14	12.84
Fe XIX	40.6972	298 $\rightarrow$ 25	8.17E-19	3.75E-20	8.17E-19	13.34	–
Fe XX	40.7156	338 $\rightarrow$ 43	7.20E-19	6.44E-20	7.20E-19	13.92	12.71
Fe XIX	40.7236	263 $\rightarrow$ 16	1.35E-18	1.35E-18	6.61E-19	13.44	–
Fe XXI	40.7593	276 $\rightarrow$ 58	2.46E-18	2.46E-18	2.62E-19	12.70	–
Fe XIX	40.7647	262 $\rightarrow$ 16	1.23E-18	3.27E-19	1.22E-18	13.34	–
Fe XIX	40.7735	304 $\rightarrow$ 26	1.82E-18	1.04E-19	1.82E-18	13.87	–
Fe XX	40.7787	376 $\rightarrow$ 73	1.28E-18	1.28E-18	4.73E-19	13.63	–
Fe XIX	40.7925	303 $\rightarrow$ 26	4.85E-19	5.11E-20	4.85E-19	13.38	–
Fe XXI	40.7995	254 $\rightarrow$ 40	6.25E-18	6.25E-18	1.31E-18	12.69	–
Fe XX	40.8054	373 $\rightarrow$ 72	7.34E-19	7.34E-19	2.71E-19	13.63	–
Fe XIX	40.8159	221 $\rightarrow$ 12	8.39E-19	2.68E-19	6.01E-19	8.78	–
Fe XXI	40.8289	358 $\rightarrow$ 116	9.04E-19	9.04E-19	1.22E-19	12.69	–
Fe XXI	40.8755	417 $\rightarrow$ 149	8.59E-19	8.59E-19	2.23E-19	12.69	–
Fe XIX	40.8855	220 $\rightarrow$ 12	7.03E-18	7.03E-18	3.55E-18	13.49	–
Fe XXI	40.9219	285 $\rightarrow$ 69	6.80E-19	1.30E-20	6.51E-19	12.40	–
Fe XXI	40.9577	279 $\rightarrow$ 63	6.85E-19	2.17E-20	5.93E-19	12.72	–
Fe XXI	41.0752	285 $\rightarrow$ 71	5.47E-19	1.05E-20	5.24E-19	12.40	–
Fe XXI	41.2572	248 $\rightarrow$ 39	5.02E-19	5.02E-19	6.83E-20	12.70	–
Fe XXI	41.2782	276 $\rightarrow$ 60	1.39E-18	1.39E-18	1.49E-19	12.70	–
Fe XXI	41.3831	308 $\rightarrow$ 83	2.19E-18	2.19E-18	5.63E-19	12.78	–
Fe XX	41.4853	341 $\rightarrow$ 49	4.89E-19	2.58E-20	4.89E-19	14.10	–
Fe XXI	41.5611	321 $\rightarrow$ 92	4.86E-19	1.53E-20	4.23E-19	12.71	–
Fe XXI	41.5794	272 $\rightarrow$ 55	1.33E-18	8.32E-20	1.33E-18	14.10	12.67
Fe XXI	41.9066	308 $\rightarrow$ 86	4.72E-19	4.72E-19	1.21E-19	12.78	–

Ion	$\lambda$ (Å)	Transition	Peak $\Lambda$	$\Lambda$ (Low $n$ )	$\Lambda$ (High $n$ )	$\log n_0$	$\log n_1$
Fe XXI	42.0276	342 $\rightarrow$ 111	3.55E-19	2.05E-20	3.37E-19	12.41	–
Fe XXI	42.6854	251 $\rightarrow$ 46	4.64E-19	2.04E-20	4.53E-19	12.42	–
Fe XIX	42.6978	286 $\rightarrow$ 32	1.54E-18	1.54E-18	7.68E-19	13.42	–
Fe XIX	42.7134	235 $\rightarrow$ 18	1.58E-18	1.58E-18	9.91E-19	13.64	–
Fe XIX	42.7533	276 $\rightarrow$ 28	1.72E-18	1.72E-18	9.04E-19	13.43	–
Fe XXI	42.8659	276 $\rightarrow$ 70	4.73E-19	4.73E-19	5.06E-20	12.70	–
Fe XXI	42.9088	242 $\rightarrow$ 40	2.88E-18	2.88E-18	3.61E-19	12.70	–
Fe XIX	42.9164	318 $\rightarrow$ 38	5.01E-19	3.97E-20	5.01E-19	13.76	8.99
Fe XVIII	43.0023	158 $\rightarrow$ 10	3.34E-18	1.95E-19	3.34E-18	13.51	–
Fe XIX	43.0565	236 $\rightarrow$ 19	3.07E-18	3.07E-18	1.89E-18	13.64	–
Fe XIX	43.1703	276 $\rightarrow$ 30	1.07E-18	1.07E-18	5.62E-19	13.43	–
Fe XIX	43.2121	323 $\rightarrow$ 49	8.75E-19	1.59E-19	8.75E-19	13.71	–
Fe XVIII	43.2718	120 $\rightarrow$ 5	4.80E-18	4.80E-18	3.46E-18	13.51	–
Fe XIX	43.3284	321 $\rightarrow$ 41	8.39E-19	2.72E-19	8.39E-19	13.85	–
Fe XIX	43.3311	319 $\rightarrow$ 40	7.33E-19	2.64E-20	7.33E-19	13.38	9.06
Fe XX	43.3924	381 $\rightarrow$ 92	6.10E-19	6.10E-19	2.26E-19	13.63	–
Fe XX	43.3928	483 $\rightarrow$ 152	8.79E-19	8.79E-19	3.34E-19	13.63	–
Fe XIX	43.4036	243 $\rightarrow$ 23	3.66E-18	3.66E-18	1.76E-18	13.46	–
Fe XX	43.4281	382 $\rightarrow$ 93	8.49E-19	8.49E-19	3.14E-19	13.63	–
Fe XIX	43.4735	370 $\rightarrow$ 97	3.43E-18	3.43E-18	1.63E-18	13.44	–
Fe XVIII	43.4999	183 $\rightarrow$ 17	1.29E-18	6.40E-20	1.29E-18	13.51	–
Fe XIX	43.5053	367 $\rightarrow$ 95	1.03E-18	1.03E-18	4.88E-19	13.44	–
Fe XIX	43.5124	633 $\rightarrow$ 159	1.22E-18	1.22E-18	7.20E-19	13.35	–
Fe XX	43.5205	295 $\rightarrow$ 39	1.38E-18	1.38E-18	8.20E-19	13.65	–
Fe XIX	43.5377	385 $\rightarrow$ 105	1.22E-18	1.22E-18	7.96E-19	13.62	–
Fe XX	43.5508	278 $\rightarrow$ 31	8.12E-19	8.12E-19	4.26E-19	13.68	–
Fe XX	43.5659	307 $\rightarrow$ 45	1.29E-18	1.29E-18	7.70E-19	13.68	–
Fe XXI	43.6387	257 $\rightarrow$ 55	5.23E-19	2.69E-20	5.23E-19	14.14	12.84
Fe XVIII	43.6965	129 $\rightarrow$ 8	8.00E-19	1.84E-19	8.00E-19	13.51	–
Fe XX	43.7214	392 $\rightarrow$ 112	6.29E-19	1.25E-20	6.29E-19	13.35	–
Fe XX	43.7409	308 $\rightarrow$ 48	9.61E-19	9.61E-19	4.81E-19	13.65	–
Fe XIX	43.8043	502 $\rightarrow$ 134	5.15E-19	3.07E-20	5.15E-19	13.90	–
Fe XX	43.8292	483 $\rightarrow$ 159	1.90E-18	1.90E-18	7.21E-19	13.63	–
Fe XX	43.9217	296 $\rightarrow$ 42	2.99E-18	2.99E-18	1.55E-18	13.65	–
Fe XX	43.9408	390 $\rightarrow$ 106	6.18E-19	1.52E-19	6.18E-19	13.53	–
Fe XIX	44.0249	332 $\rightarrow$ 55	5.72E-19	5.00E-20	5.72E-19	13.89	–
Fe XX	44.0922	349 $\rightarrow$ 69	4.71E-19	3.18E-20	4.71E-19	14.06	12.95
Fe XIX	44.1033	288 $\rightarrow$ 37	1.27E-18	1.27E-18	6.36E-19	13.44	–
Fe XX	44.2224	348 $\rightarrow$ 70	4.91E-19	1.86E-20	4.91E-19	14.03	12.78
Fe XIX	44.2356	286 $\rightarrow$ 37	1.03E-18	1.03E-18	5.14E-19	13.42	–
Fe XX	44.2586	329 $\rightarrow$ 58	8.43E-19	8.43E-19	4.41E-19	13.68	–
Fe XX	44.2688	327 $\rightarrow$ 58	1.22E-18	1.22E-18	5.39E-19	13.63	–
Fe XIX	44.2913	301 $\rightarrow$ 39	5.59E-19	1.77E-19	5.59E-19	13.96	–
Fe XX	44.2981	308 $\rightarrow$ 51	1.43E-18	1.43E-18	7.18E-19	13.65	–
Fe XX	44.3198	367 $\rightarrow$ 85	4.48E-19	1.30E-20	4.48E-19	14.16	–
Fe XX	44.3994	356 $\rightarrow$ 72	1.89E-18	1.89E-18	7.07E-19	13.62	–
Fe XX	44.4092	356 $\rightarrow$ 73	2.69E-18	2.69E-18	1.01E-18	13.62	–
Fe XX	44.4602	326 $\rightarrow$ 60	9.07E-19	9.07E-19	3.72E-19	13.63	–
Fe XX	44.5437	356 $\rightarrow$ 75	9.84E-19	9.84E-19	3.68E-19	13.62	–
Fe XX	44.5661	366 $\rightarrow$ 86	4.37E-19	1.41E-20	4.37E-19	14.03	–

Ion	$\lambda$ (Å)	Transition	Peak $\Lambda$	$\Lambda$ (Low $n$ )	$\Lambda$ (High $n$ )	$\log n_0$	$\log n_1$
Fe XX	44.7106	331 $\rightarrow$ 61	9.64E-19	2.66E-19	9.64E-19	13.19	–
Fe XX	45.1993	392 $\rightarrow$ 118	5.65E-19	1.12E-20	5.65E-19	13.35	–
Fe XX	45.2335	350 $\rightarrow$ 81	5.68E-19	9.17E-20	5.68E-19	14.03	–
Fe XX	45.4803	384 $\rightarrow$ 107	1.49E-18	1.49E-18	5.50E-19	13.63	–
Fe XX	45.5148	385 $\rightarrow$ 109	9.86E-19	9.86E-19	3.65E-19	13.63	–
Fe XX	45.5891	386 $\rightarrow$ 110	6.19E-19	6.19E-19	2.30E-19	13.63	–
Fe XX	45.6253	383 $\rightarrow$ 111	2.15E-18	2.15E-18	7.96E-19	13.63	–
Fe XVIII	46.5244	165 $\rightarrow$ 23	7.03E-19	1.97E-19	7.03E-19	13.51	–
Fe XX	46.9699	277 $\rightarrow$ 42	1.27E-18	1.27E-18	6.61E-19	13.65	–
Fe XVIII	46.9917	353 $\rightarrow$ 79	6.65E-19	1.46E-20	6.65E-19	13.54	–
Fe XVIII	47.0667	196 $\rightarrow$ 38	5.38E-19	2.90E-20	5.38E-19	13.51	–
Fe XX	47.1602	289 $\rightarrow$ 56	9.80E-19	9.80E-19	3.81E-19	13.63	–
Fe XX	47.4215	289 $\rightarrow$ 58	1.80E-18	1.80E-18	7.01E-19	13.63	–
Fe XX	47.6129	291 $\rightarrow$ 61	6.57E-19	1.72E-19	6.57E-19	13.18	–
Fe XX	47.6298	289 $\rightarrow$ 60	1.10E-18	1.10E-18	4.27E-19	13.63	–
Fe XIX	47.7541	344 $\rightarrow$ 97	1.36E-18	1.36E-18	6.46E-19	13.44	–
Fe XX	47.8894	321 $\rightarrow$ 74	5.76E-19	1.46E-20	5.76E-19	13.98	12.56
Fe XIX	47.8943	345 $\rightarrow$ 105	7.95E-19	7.95E-19	4.09E-19	13.47	–
Fe XIX	49.2671	258 $\rightarrow$ 53	2.37E-18	2.37E-18	1.20E-18	13.48	–
Mg XI	50.4400	12 $\rightarrow$ 2	3.72E-18	2.65E-18	3.72E-18	13.68	–
Mg XI	50.6200	11 $\rightarrow$ 2	1.97E-18	1.35E-18	1.97E-18	13.66	–
Fe XVIII	52.7329	219 $\rightarrow$ 79	3.03E-19	1.57E-20	3.03E-19	13.56	–
Mg XI	52.7400	15 $\rightarrow$ 5	1.50E-18	7.53E-19	1.50E-18	13.68	–
Mg XI	52.7400	16 $\rightarrow$ 6	3.12E-18	1.52E-18	3.12E-18	13.73	–
Fe XIX	52.9317	263 $\rightarrow$ 71	1.10E-18	1.10E-18	5.37E-19	13.44	–
Fe XIX	53.2842	220 $\rightarrow$ 53	1.48E-18	1.48E-18	7.50E-19	13.49	–
Fe XIX	53.5685	263 $\rightarrow$ 74	1.07E-18	1.07E-18	5.21E-19	13.44	–
Mg XI	53.8800	8 $\rightarrow$ 6	1.33E-18	7.54E-19	1.33E-18	13.66	–
Fe XVIII	59.9347	183 $\rightarrow$ 61	3.78E-19	1.87E-20	3.78E-19	13.51	–
Fe XVIII	60.3107	158 $\rightarrow$ 57	4.19E-19	2.44E-20	4.19E-19	13.51	–
Fe XVIII	60.5462	158 $\rightarrow$ 58	4.81E-19	2.80E-20	4.81E-19	13.51	–
Ni XXI	66.9856	9 $\rightarrow$ 1	1.78E-18	3.80E-19	1.78E-18	14.14	–
Ni XXII	68.2219	12 $\rightarrow$ 1	1.34E-18	1.90E-19	1.34E-18	14.27	13.01
Ni XXII	70.8687	13 $\rightarrow$ 2	2.90E-18	1.09E-19	2.90E-18	14.37	–
Fe XX	73.6214	13 $\rightarrow$ 1	7.32E-19	2.20E-20	7.32E-19	14.11	–
Ne IX	74.3500	12 $\rightarrow$ 2	2.49E-18	1.62E-18	2.49E-18	12.77	–
Ne IX	74.5300	11 $\rightarrow$ 2	1.37E-18	8.76E-19	1.37E-18	12.75	–
Ni XXII	76.8310	12 $\rightarrow$ 2	4.87E-18	6.90E-19	4.87E-18	14.27	13.01
Ni XXI	<b>77.2503</b>	9 $\rightarrow$ 4	2.19E-17	4.66E-18	2.19E-17	14.14	–
Fe XXI	77.6389	455 $\rightarrow$ 238	1.34E-18	1.34E-18	1.69E-19	12.70	–
Ni XIX	78.0583	28 $\rightarrow$ 2	1.29E-18	2.04E-19	1.29E-18	14.34	–
Ne IX	78.3000	16 $\rightarrow$ 6	2.48E-18	1.23E-18	2.48E-18	12.84	–
Ne IX	78.3500	15 $\rightarrow$ 5	1.14E-18	5.83E-19	1.14E-18	12.78	–
Fe XIX	<b>78.9000</b>	9 $\rightarrow$ 1	4.79E-17	9.87E-18	4.79E-17	13.94	–
Fe XXI	79.6324	460 $\rightarrow$ 239	4.14E-19	4.14E-19	5.70E-20	12.70	–
Ni XXII	<b>79.7210</b>	12 $\rightarrow$ 3	3.19E-17	4.52E-18	3.19E-17	14.27	13.01
Ne IX	80.4100	8 $\rightarrow$ 6	8.73E-19	4.64E-19	8.73E-19	12.75	–
Fe XX	<b>80.5100</b>	12 $\rightarrow$ 1	4.74E-17	6.40E-18	4.74E-17	13.99	12.61
Ni XXII	80.7841	11 $\rightarrow$ 2	8.21E-18	9.54E-19	8.21E-18	14.08	–
Fe XXI	81.5507	460 $\rightarrow$ 242	8.38E-19	8.38E-19	1.16E-19	12.70	–

Ion	$\lambda$ (Å)	Transition	Peak $\Lambda$	$\Lambda$ (Low $n$ )	$\Lambda$ (High $n$ )	$\log n_0$	$\log n_1$
Ni XXII	81.6332	9 $\rightarrow$ 1	1.06E-18	1.37E-19	1.06E-18	13.91	–
Fe XX	<b>83.2400</b>	13 $\rightarrow$ 2	1.25E-16	3.75E-18	1.25E-16	14.11	–
Fe XIX	83.2724	9 $\rightarrow$ 3	3.50E-18	7.22E-19	3.50E-18	13.94	–
Ni XXII	83.4269	13 $\rightarrow$ 5	9.40E-18	3.54E-19	9.40E-18	14.37	–
Fe XX	<b>83.6900</b>	11 $\rightarrow$ 1	1.20E-17	1.29E-18	1.20E-17	13.76	–
Fe XIX	83.8900	9 $\rightarrow$ 2	5.85E-18	1.21E-18	5.85E-18	13.94	–
Fe XX	84.1839	560 $\rightarrow$ 278	7.45E-19	7.45E-19	2.97E-19	13.63	–
Fe XXI	<b>84.2600</b>	15 $\rightarrow$ 2	4.21E-17	1.15E-18	4.21E-17	14.37	13.42
Ni XXIV	85.6978	10 $\rightarrow$ 1	2.06E-18	5.98E-19	2.06E-18	13.94	–
Ni XXII	85.9144	12 $\rightarrow$ 4	2.85E-18	4.04E-19	2.85E-18	14.27	13.01
Fe XXI	86.0361	465 $\rightarrow$ 248	1.03E-18	1.03E-18	1.90E-19	12.71	–
Fe XXI	86.1288	15 $\rightarrow$ 3	2.10E-18	5.71E-20	2.10E-18	14.37	13.42
Ni XXIV	87.4334	9 $\rightarrow$ 1	4.69E-19	8.21E-20	4.69E-19	13.94	–
Fe XVIII	87.4664	78 $\rightarrow$ 10	1.78E-18	7.82E-20	1.78E-18	13.51	–
Fe XVIII	88.2604	103 $\rightarrow$ 50	3.46E-18	1.50E-18	3.46E-18	13.51	–
Fe XVIII	89.0790	107 $\rightarrow$ 54	2.47E-18	1.89E-18	2.47E-18	13.51	–
Ni XXI	89.2924	9 $\rightarrow$ 5	1.57E-18	3.34E-19	1.57E-18	14.14	–
Fe XXI	89.9450	606 $\rightarrow$ 296	8.15E-19	8.15E-19	9.32E-20	12.70	–
Fe XIX	89.9735	192 $\rightarrow$ 62	9.78E-19	9.78E-19	5.85E-19	13.31	–
Fe XIX	90.4388	117 $\rightarrow$ 15	1.90E-18	1.90E-18	1.22E-18	13.20	–
Fe XXI	90.4946	553 $\rightarrow$ 283	5.94E-19	5.94E-19	6.36E-20	12.70	–
Fe XVII	90.5292	28 $\rightarrow$ 2	8.16E-18	1.19E-18	8.16E-18	14.19	–
Fe XXI	90.5960	455 $\rightarrow$ 248	5.87E-19	5.87E-19	7.40E-20	12.70	–
Fe XX	<b>90.6000</b>	12 $\rightarrow$ 2	1.72E-16	2.32E-17	1.72E-16	13.99	12.61
Ni XXII	90.8875	11 $\rightarrow$ 4	6.92E-18	8.04E-19	6.92E-18	14.08	–
Ni XXI	90.9806	8 $\rightarrow$ 3	8.17E-18	1.61E-19	8.17E-18	13.54	–
Fe XIX	91.0015	192 $\rightarrow$ 63	7.75E-18	7.75E-18	4.64E-18	13.31	–
Fe XIX	<b>91.0200</b>	9 $\rightarrow$ 4	5.87E-16	1.21E-16	5.87E-16	13.94	–
Fe XIX	91.2008	191 $\rightarrow$ 64	1.99E-18	1.47E-18	1.94E-18	13.28	–
Fe XXI	<b>91.2800</b>	13 $\rightarrow$ 1	1.98E-16	1.52E-16	1.69E-16	12.00	–
Ni XXII	91.8144	12 $\rightarrow$ 5	3.02E-18	4.28E-19	3.02E-18	14.27	13.01
Fe XVII	91.8810	28 $\rightarrow$ 3	2.20E-18	3.22E-19	2.20E-18	14.19	–
Fe XX	<b>92.6300</b>	13 $\rightarrow$ 4	1.85E-17	5.56E-19	1.85E-17	14.11	–
Fe XIX	92.6919	472 $\rightarrow$ 227	9.14E-19	9.14E-19	4.72E-19	13.41	–
Ni XXI	<b>92.8129</b>	6 $\rightarrow$ 1	6.21E-17	6.21E-17	4.08E-17	13.71	–
Fe XXI	93.0286	14 $\rightarrow$ 2	9.36E-18	1.36E-19	9.36E-18	14.10	12.69
Fe XX	93.2583	10 $\rightarrow$ 1	4.49E-19	2.28E-20	4.49E-19	14.09	12.60
Fe XX	<b>93.7800</b>	12 $\rightarrow$ 3	1.13E-15	1.52E-16	1.13E-15	13.99	12.61
Ni XXII	<b>94.2735</b>	9 $\rightarrow$ 2	2.92E-17	3.75E-18	2.92E-17	13.91	–
Fe XX	94.5123	543 $\rightarrow$ 286	7.53E-19	7.53E-19	3.64E-19	13.64	–
Fe XX	94.6167	116 $\rightarrow$ 17	1.06E-18	1.06E-18	4.04E-19	13.63	–
Fe XX	<b>94.6400</b>	11 $\rightarrow$ 2	3.10E-16	3.34E-17	3.10E-16	13.76	–
Fe XIX	95.0073	197 $\rightarrow$ 83	1.01E-18	6.89E-20	1.01E-18	13.31	–
Fe XX	95.4566	201 $\rightarrow$ 53	6.72E-19	1.66E-20	6.72E-19	13.41	–
Fe XX	<b>95.9500</b>	9 $\rightarrow$ 1	3.70E-17	4.71E-18	3.70E-17	13.58	–
Ni XXII	<b>96.8827</b>	10 $\rightarrow$ 3	3.30E-17	1.58E-18	3.30E-17	14.33	12.99
Ni XXIV	<b>97.0474</b>	10 $\rightarrow$ 2	1.45E-17	4.22E-18	1.45E-17	13.94	–
Ni XXII	97.5173	11 $\rightarrow$ 5	5.74E-19	6.67E-20	5.74E-19	14.08	–
Fe XXI	<b>97.8800</b>	13 $\rightarrow$ 2	5.27E-16	4.05E-16	4.49E-16	12.01	–
Fe XXI	<b>98.3600</b>	15 $\rightarrow$ 4	5.95E-16	1.62E-17	5.95E-16	14.37	13.42

Ion	$\lambda$ (Å)	Transition	Peak $\Lambda$	$\Lambda$ (Low $n$ )	$\Lambda$ (High $n$ )	$\log n_0$	$\log n_1$
Fe XX	<b>98.3800</b>	13 $\rightarrow$ 5	4.04E-16	1.22E-17	4.04E-16	14.11	–
Fe XXI	98.6900	19 $\rightarrow$ 9	8.00E-19	1.94E-19	8.00E-19	13.17	–
Fe XX	98.8355	116 $\rightarrow$ 19	2.33E-18	2.33E-18	8.88E-19	13.63	–
Fe XXI	<b>99.0800</b>	14 $\rightarrow$ 3	1.97E-16	2.85E-18	1.97E-16	14.10	12.69
Ni XXIV	99.2780	9 $\rightarrow$ 2	6.20E-18	1.08E-18	6.20E-18	13.94	–
Fe XVII	99.6816	28 $\rightarrow$ 4	1.25E-18	1.83E-19	1.25E-18	14.19	–
Ni XXIV	<b>99.8023</b>	8 $\rightarrow$ 1	2.40E-17	2.40E-17	1.04E-17	13.94	–
Fe XVII	100.7570	28 $\rightarrow$ 5	1.93E-18	2.83E-19	1.93E-18	14.19	–
Fe XXII	<b>100.7800</b>	10 $\rightarrow$ 1	2.75E-16	1.53E-16	2.75E-16	13.57	–
Fe XX	<b>101.8300</b>	12 $\rightarrow$ 4	1.01E-16	1.36E-17	1.01E-16	13.99	12.61
Fe XVIII	102.0750	101 $\rightarrow$ 45	2.36E-18	1.19E-19	2.36E-18	13.51	–
Fe XXI	<b>102.2200</b>	13 $\rightarrow$ 3	1.25E-15	9.58E-16	1.06E-15	12.01	–
Fe XXII	<b>102.2300</b>	9 $\rightarrow$ 1	6.03E-17	8.54E-18	6.03E-17	13.57	–
Ni XXI	<b>102.3209</b>	6 $\rightarrow$ 3	1.68E-17	1.68E-17	1.10E-17	13.70	–
O VIII	<b>102.3476</b>	8 $\rightarrow$ 3	1.54E-17	7.02E-18	1.54E-17	14.89	–
Ni XXII	<b>102.3985</b>	8 $\rightarrow$ 1	4.64E-17	4.64E-17	2.08E-17	13.85	–
O VIII	<b>102.4897</b>	9 $\rightarrow$ 4	3.27E-17	1.49E-17	3.27E-17	14.89	–
O VIII	102.5052	8 $\rightarrow$ 4	6.17E-18	2.80E-18	6.17E-18	14.89	–
Fe XVIII	103.4060	88 $\rightarrow$ 35	3.53E-18	3.53E-18	2.54E-18	13.51	–
Fe XXI	103.7700	18 $\rightarrow$ 7	1.24E-18	4.63E-19	1.18E-18	12.66	–
Fe XXI	103.8300	18 $\rightarrow$ 8	1.82E-18	6.79E-19	1.73E-18	12.66	–
Fe XIX	103.8870	176 $\rightarrow$ 60	7.58E-19	1.04E-19	7.58E-19	13.91	–
Fe XVIII	104.2680	101 $\rightarrow$ 47	1.15E-18	5.80E-20	1.15E-18	13.51	–
Fe XXI	104.2900	17 $\rightarrow$ 7	3.88E-18	3.88E-18	1.11E-18	12.74	–
Fe XVIII	104.7420	88 $\rightarrow$ 37	2.14E-18	2.14E-18	1.54E-18	13.51	–
Fe XXII	104.8730	12 $\rightarrow$ 4	9.97E-19	9.97E-19	6.23E-19	13.54	–
Ni XXII	<b>105.2344</b>	7 $\rightarrow$ 1	9.05E-17	9.05E-17	4.10E-17	13.85	–
Fe XVIII	105.7940	101 $\rightarrow$ 48	5.23E-19	2.64E-20	5.23E-19	13.51	–
Fe XIX	106.1000	110 $\rightarrow$ 16	5.98E-19	1.59E-19	5.98E-19	13.95	–
Fe XIX	<b>106.1200</b>	9 $\rightarrow$ 5	4.21E-17	8.68E-18	4.21E-17	13.94	–
Fe XIX	<b>106.3300</b>	8 $\rightarrow$ 3	2.11E-16	4.58E-18	2.09E-16	13.31	–
Fe XX	<b>106.9800</b>	11 $\rightarrow$ 4	2.61E-16	2.82E-17	2.61E-16	13.76	–
Fe XX	107.4490	10 $\rightarrow$ 2	6.07E-19	3.08E-20	6.07E-19	14.09	12.60
Fe XIX	108.0980	176 $\rightarrow$ 63	1.10E-18	1.50E-19	1.10E-18	13.91	–
Fe XXI	<b>108.1200</b>	11 $\rightarrow$ 1	2.13E-16	2.13E-16	1.49E-16	13.49	–
Fe XIX	108.2660	176 $\rightarrow$ 64	2.11E-18	2.88E-19	2.11E-18	13.91	–
Ni XXII	108.3264	9 $\rightarrow$ 4	2.11E-18	2.71E-19	2.11E-18	13.91	–
Fe XIX	108.3480	173 $\rightarrow$ 62	1.79E-18	1.08E-18	1.79E-18	14.10	–
Fe XIX	<b>108.3700</b>	6 $\rightarrow$ 1	1.61E-15	1.61E-15	1.04E-15	13.50	–
Fe XX	<b>108.8300</b>	12 $\rightarrow$ 5	1.07E-16	1.44E-17	1.07E-16	13.99	12.61
Fe XX	108.9410	202 $\rightarrow$ 67	2.28E-18	2.79E-19	2.28E-18	13.94	–
Fe XX	109.2630	201 $\rightarrow$ 67	5.39E-19	1.33E-20	5.39E-19	13.41	–
Fe XIX	110.0160	173 $\rightarrow$ 64	9.99E-19	6.01E-19	9.99E-19	14.10	–
Fe XX	<b>110.6300</b>	9 $\rightarrow$ 2	1.02E-15	1.29E-16	1.02E-15	13.58	–
Fe XX	111.2110	201 $\rightarrow$ 68	5.55E-18	4.62E-20	5.55E-18	13.97	12.56
Fe XIX	111.3750	127 $\rightarrow$ 34	1.15E-18	2.90E-19	1.15E-18	13.92	–
Fe XXI	112.1470	82 $\rightarrow$ 22	5.23E-19	5.23E-19	6.80E-20	12.69	–
Fe XXII	112.2100	15 $\rightarrow$ 6	1.10E-18	2.65E-19	1.10E-18	13.58	–
Fe XXI	<b>112.4700</b>	15 $\rightarrow$ 5	1.56E-16	4.25E-18	1.56E-16	14.37	13.42
Fe XXI	<b>113.3000</b>	14 $\rightarrow$ 4	1.12E-15	1.62E-17	1.12E-15	14.10	12.69

Ion	$\lambda$ (Å)	Transition	Peak $\Lambda$	$\Lambda$ (Low $n$ )	$\Lambda$ (High $n$ )	$\log n_0$	$\log n_1$
Fe XX	<b>113.3400</b>	10 $\rightarrow$ 3	1.20E-15	6.11E-17	1.20E-15	14.09	12.60
Ni XXI	113.7560	6 $\rightarrow$ 4	3.37E-18	3.37E-18	2.22E-18	13.70	–
Fe XIX	114.0420	165 $\rightarrow$ 63	7.82E-19	9.56E-20	7.82E-19	13.91	–
Ni XXII	<b>114.3294</b>	6 $\rightarrow$ 1	1.29E-16	1.29E-16	6.05E-17	13.86	–
Fe XXII	<b>114.4100</b>	10 $\rightarrow$ 2	1.94E-15	1.08E-15	1.94E-15	13.57	–
Fe XX	114.4240	9 $\rightarrow$ 3	1.66E-18	2.12E-19	1.66E-18	13.58	–
Fe XX	<b>114.7200</b>	11 $\rightarrow$ 5	2.17E-17	2.34E-18	2.17E-17	13.76	–
Fe XXI	<b>115.1500</b>	12 $\rightarrow$ 2	2.62E-17	1.15E-18	2.49E-17	12.37	–
Fe XXII	115.1900	15 $\rightarrow$ 7	3.13E-18	7.54E-19	3.13E-18	13.58	–
Ni XXII	115.3468	10 $\rightarrow$ 5	6.13E-18	2.94E-19	6.13E-18	14.33	12.99
Fe XIX	115.4200	10 $\rightarrow$ 9	2.49E-18	1.63E-18	2.49E-18	13.27	–
Ni XXIV	<b>115.9892</b>	6 $\rightarrow$ 1	2.33E-17	2.33E-17	1.02E-17	13.94	–
Fe XXII	<b>116.2800</b>	9 $\rightarrow$ 2	7.97E-16	1.13E-16	7.97E-16	13.57	–
Fe XX	116.3030	202 $\rightarrow$ 74	5.01E-19	6.14E-20	5.01E-19	13.94	–
Fe XXII	<b>117.1700</b>	8 $\rightarrow$ 1	3.12E-15	3.12E-15	1.25E-15	13.57	–
Fe XXI	117.4000	13 $\rightarrow$ 4	5.13E-18	3.94E-18	4.37E-18	12.01	–
Fe XXI	<b>117.5100</b>	11 $\rightarrow$ 2	7.94E-16	7.94E-16	5.57E-16	13.48	–
Fe XXII	117.5200	11 $\rightarrow$ 3	9.79E-19	4.51E-19	9.79E-19	15.09	–
Ni XXII	117.8775	9 $\rightarrow$ 5	4.70E-19	6.05E-20	4.70E-19	13.91	–
Fe XIX	118.1790	138 $\rightarrow$ 46	5.49E-18	5.49E-18	2.76E-18	13.46	–
Fe XX	<b>118.6600</b>	8 $\rightarrow$ 1	1.55E-15	1.55E-15	6.10E-16	13.62	–
Fe XXI	<b>118.6900</b>	10 $\rightarrow$ 2	3.16E-16	6.38E-18	2.75E-16	12.69	–
Fe XX	119.6380	173 $\rightarrow$ 53	3.34E-18	8.54E-20	3.34E-18	14.08	12.60
Fe XIX	<b>120.0000</b>	6 $\rightarrow$ 3	4.35E-16	4.35E-16	2.82E-16	13.50	–
Fe XXII	120.0300	14 $\rightarrow$ 6	7.00E-18	7.00E-18	3.90E-18	13.56	–
Fe XXIII	120.0490	9 $\rightarrow$ 3	1.15E-18	3.62E-19	1.15E-18	13.66	–
O VII	120.3310	12 $\rightarrow$ 2	1.73E-18	9.31E-19	1.73E-18	11.64	–
O VII	120.5000	11 $\rightarrow$ 2	9.72E-19	5.24E-19	9.72E-19	11.62	–
Fe XXI	<b>121.2100</b>	12 $\rightarrow$ 3	1.22E-15	5.36E-17	1.16E-15	12.37	–
Fe XIX	121.2460	75 $\rightarrow$ 11	8.03E-19	8.03E-19	4.02E-19	13.45	–
Fe XX	<b>121.8300</b>	7 $\rightarrow$ 1	3.03E-15	3.03E-15	1.21E-15	13.62	–
Fe XXI	123.3300	17 $\rightarrow$ 11	2.09E-18	2.09E-18	5.96E-19	12.74	–
Fe XXI	<b>123.8300</b>	11 $\rightarrow$ 3	1.53E-16	1.53E-16	1.07E-16	13.48	–
Fe XIX	124.4350	126 $\rightarrow$ 44	1.98E-18	1.98E-18	9.88E-19	13.46	–
Fe XIX	124.9620	126 $\rightarrow$ 46	4.04E-18	4.04E-18	2.02E-18	13.46	–
Fe XXI	125.2900	18 $\rightarrow$ 12	1.36E-18	5.07E-19	1.29E-18	12.66	–
Fe XXII	125.7100	11 $\rightarrow$ 4	1.47E-18	6.76E-19	1.47E-18	15.09	–
Fe XIX	126.5400	176 $\rightarrow$ 83	7.09E-19	9.70E-20	7.09E-19	13.91	–
Fe XXI	127.0400	20 $\rightarrow$ 15	9.24E-19	5.02E-19	9.24E-19	14.69	–
Fe XX	<b>127.8600</b>	9 $\rightarrow$ 4	7.34E-17	9.35E-18	7.34E-17	13.58	–
Fe XIX	127.9140	95 $\rightarrow$ 19	4.00E-18	4.00E-18	1.91E-18	13.45	–
O VII	128.4120	15 $\rightarrow$ 5	9.25E-19	4.42E-19	9.25E-19	11.67	–
O VII	128.5000	16 $\rightarrow$ 6	2.13E-18	9.58E-19	2.13E-18	11.76	–
Fe XXI	<b>128.7300</b>	7 $\rightarrow$ 1	5.66E-15	5.66E-15	7.18E-16	12.70	–
Fe XIX	128.8050	69 $\rightarrow$ 11	2.20E-18	2.20E-18	1.07E-18	13.45	–
Fe XXII	129.1700	15 $\rightarrow$ 8	8.48E-19	2.05E-19	8.48E-19	13.58	–
Fe XIX	129.3300	138 $\rightarrow$ 53	6.52E-18	6.52E-18	3.28E-18	13.46	–
Fe XIX	130.0990	122 $\rightarrow$ 46	2.64E-18	2.64E-18	1.25E-18	13.44	–
Fe XIX	130.1320	93 $\rightarrow$ 18	8.47E-19	8.47E-19	4.13E-19	13.45	–
Fe XX	130.3800	173 $\rightarrow$ 61	4.99E-19	1.28E-20	4.99E-19	14.08	12.60

Ion	$\lambda$ (Å)	Transition	Peak $\Lambda$	$\Lambda$ (Low $n$ )	$\Lambda$ (High $n$ )	$\log n_0$	$\log n_1$
Fe XIX	<b>132.6300</b>	6 $\rightarrow$ 4	8.73E-17	8.73E-17	5.67E-17	13.50	–
Fe XX	<b>132.8500</b>	6 $\rightarrow$ 1	4.30E-15	4.30E-15	1.79E-15	13.63	–
O VII	132.8740	8 $\rightarrow$ 6	6.29E-19	3.03E-19	6.29E-19	11.61	–
Ni XXIV	133.1004	7 $\rightarrow$ 2	9.45E-18	3.76E-19	9.45E-18	13.94	–
N VII	133.7323	8 $\rightarrow$ 3	8.28E-19	2.18E-19	8.28E-19	14.55	–
Fe XIX	133.7560	116 $\rightarrow$ 43	9.55E-19	9.55E-19	4.74E-19	13.47	–
Fe XIX	133.7700	116 $\rightarrow$ 44	8.27E-19	8.27E-19	4.10E-19	13.47	–
Fe XIX	133.8240	115 $\rightarrow$ 44	1.12E-18	1.12E-18	5.45E-19	13.45	–
N VII	133.8743	9 $\rightarrow$ 4	1.76E-18	4.67E-19	1.76E-18	14.55	–
N VII	133.9341	5 $\rightarrow$ 4	1.74E-18	1.19E-18	1.74E-18	14.55	–
Fe XIX	134.4340	115 $\rightarrow$ 46	1.45E-18	1.45E-18	7.09E-19	13.45	–
Fe XXII	134.6500	11 $\rightarrow$ 5	1.85E-18	8.53E-19	1.85E-18	15.09	–
C VI	134.9904	14 $\rightarrow$ 4	1.20E-18	7.46E-19	1.20E-18	14.08	–
Fe XX	135.4160	151 $\rightarrow$ 52	2.34E-18	1.05E-20	2.34E-18	13.27	Bad Fit
Fe XXII	<b>135.7800</b>	6 $\rightarrow$ 1	2.27E-15	2.27E-15	1.14E-15	13.57	–
Fe XX	135.8550	151 $\rightarrow$ 53	2.01E-18	1.16E-20	2.01E-18	13.29	Bad Fit
Fe XX	<b>136.0600</b>	10 $\rightarrow$ 5	2.24E-16	1.14E-17	2.24E-16	14.09	12.60
Fe XXIII	<b>136.5300</b>	9 $\rightarrow$ 4	1.28E-17	4.00E-18	1.28E-17	13.66	–
Fe XX	<b>136.7100</b>	9 $\rightarrow$ 5	1.64E-17	2.08E-18	1.64E-17	13.58	–
Fe XXI	<b>138.1000</b>	13 $\rightarrow$ 5	1.28E-17	9.82E-18	1.09E-17	12.01	–
Fe XX	139.3620	138 $\rightarrow$ 46	1.19E-18	9.09E-20	1.19E-18	13.87	12.72
Fe XX	140.1620	108 $\rightarrow$ 31	1.74E-18	9.78E-20	1.74E-18	13.95	12.54
Ni XXII	140.7615	6 $\rightarrow$ 2	5.25E-18	5.25E-18	2.47E-18	13.86	–
Ca XV	141.6870	15 $\rightarrow$ 4	3.08E-19	1.36E-20	3.08E-19	13.16	–
Fe XXI	<b>142.1600</b>	8 $\rightarrow$ 2	1.28E-15	1.08E-16	1.12E-15	12.69	–
Fe XXI	<b>142.2700</b>	7 $\rightarrow$ 2	4.11E-16	4.11E-16	5.22E-17	12.70	–
Fe XXI	<b>142.4630</b>	12 $\rightarrow$ 4	1.29E-17	5.64E-19	1.22E-17	12.37	–
Fe XX	142.7270	144 $\rightarrow$ 53	1.32E-18	5.63E-20	1.32E-18	13.95	12.53
Fe XX	<b>142.7700</b>	8 $\rightarrow$ 2	2.09E-17	2.09E-17	8.20E-18	13.62	–
Fe XX	144.2120	140 $\rightarrow$ 52	4.26E-19	1.94E-20	4.26E-19	13.92	12.58
Fe XXIII	<b>144.3600</b>	8 $\rightarrow$ 3	2.67E-17	3.07E-18	2.67E-17	13.66	–
Fe XX	144.7100	140 $\rightarrow$ 53	6.46E-19	2.95E-20	6.46E-19	13.92	12.58
Fe XXI	144.7900	19 $\rightarrow$ 14	5.04E-18	1.22E-18	5.04E-18	13.17	–
Fe XXI	<b>145.6500</b>	9 $\rightarrow$ 3	1.08E-15	5.56E-17	1.08E-15	12.46	–
Fe XXI	<b>146.9000</b>	11 $\rightarrow$ 4	1.39E-17	1.39E-17	9.77E-18	13.48	–
Fe XXIII	<b>147.2400</b>	7 $\rightarrow$ 2	2.60E-17	7.30E-18	2.60E-17	13.66	–
Fe XX	<b>147.5510</b>	7 $\rightarrow$ 2	1.65E-17	1.65E-17	6.57E-18	13.62	–
Fe XXI	147.8730	98 $\rightarrow$ 30	1.21E-18	1.18E-20	1.21E-18	13.84	–
Fe XX	149.8770	151 $\rightarrow$ 61	1.86E-18	1.07E-20	1.86E-18	13.29	Bad Fit
Fe XXI	150.3270	121 $\rightarrow$ 43	1.37E-18	1.02E-20	1.37E-18	14.14	12.80
Ni XXII	150.7756	6 $\rightarrow$ 3	2.22E-18	2.22E-18	1.04E-18	13.86	–
Fe XXII	151.5400	12 $\rightarrow$ 6	3.80E-18	3.80E-18	2.37E-18	13.54	–
Fe XXI	<b>151.6000</b>	7 $\rightarrow$ 3	2.75E-17	2.75E-17	3.49E-18	12.70	–
Fe XXIII	<b>154.2700</b>	7 $\rightarrow$ 3	1.64E-17	4.60E-18	1.64E-17	13.66	–
Ca XVI	154.8800	10 $\rightarrow$ 1	1.14E-18	4.39E-19	1.12E-18	11.62	–
Fe XXI	155.0600	18 $\rightarrow$ 13	1.08E-18	4.01E-19	1.02E-18	12.66	–
Fe XXII	<b>155.9200</b>	7 $\rightarrow$ 2	1.18E-15	6.60E-17	1.18E-15	13.57	–
Fe XXI	156.2100	17 $\rightarrow$ 13	1.90E-18	1.90E-18	5.41E-19	12.74	–
Fe XX	156.9740	7 $\rightarrow$ 3	6.64E-18	6.64E-18	2.65E-18	13.62	–
Fe XXII	157.0300	12 $\rightarrow$ 7	2.42E-18	2.42E-18	1.51E-18	13.54	–

Ion	$\lambda$ (Å)	Transition	Peak $\Lambda$	$\Lambda$ (Low $n$ )	$\Lambda$ (High $n$ )	$\log n_0$	$\log n_1$
Fe XXII	157.3700	15 $\rightarrow$ 10	4.21E-18	1.02E-18	4.21E-18	13.58	-
Ca XV	161.0180	14 $\rightarrow$ 4	6.04E-19	1.14E-20	6.04E-19	13.01	-
Fe XXII	161.7400	6 $\rightarrow$ 2	9.28E-18	9.28E-18	4.66E-18	13.57	-
Fe XX	<b>163.2500</b>	6 $\rightarrow$ 2	1.76E-16	1.76E-16	7.31E-17	13.64	-
Ca XVI	164.1660	10 $\rightarrow$ 2	6.43E-18	2.48E-18	6.36E-18	11.62	-
Fe XVIII	164.8080	38 $\rightarrow$ 5	5.80E-19	1.40E-20	5.80E-19	13.51	-
Fe XXIII	<b>166.7400</b>	8 $\rightarrow$ 4	3.82E-17	4.38E-18	3.82E-17	13.66	-
Ca XVI	167.4370	9 $\rightarrow$ 2	3.01E-18	2.28E-18	2.98E-18	11.61	-
Ni XX	167.9903	38 $\rightarrow$ 8	3.52E-19	1.00E-20	3.52E-19	13.90	-
Ca XVI	<b>168.8680</b>	8 $\rightarrow$ 1	1.02E-17	1.02E-17	3.85E-18	11.63	-
Fe XXII	169.0800	14 $\rightarrow$ 9	2.81E-18	2.81E-18	1.56E-18	13.56	-
Fe XX	<b>171.8870</b>	8 $\rightarrow$ 4	1.60E-17	1.60E-17	6.29E-18	13.62	-
Ni XXII	174.3364	7 $\rightarrow$ 5	8.39E-19	8.39E-19	3.80E-19	13.85	-
Fe XX	<b>174.8640</b>	6 $\rightarrow$ 3	7.41E-17	7.41E-17	3.09E-17	13.64	-

Table 6: Temperature =  $3.16228e + 07$  K

Ion	$\lambda$ (Å)	Transition	Peak $\Lambda$	$\Lambda$ (Low $n$ )	$\Lambda$ (High $n$ )	$\log n_0$	$\log n_1$
Ni XXIV	85.6978	10 $\rightarrow$ 1	6.32E-19	1.87E-19	6.32E-19	13.84	-
Ni XXIV	97.0474	10 $\rightarrow$ 2	4.46E-18	1.32E-18	4.46E-18	13.84	-
Fe XXI	98.3600	15 $\rightarrow$ 4	6.67E-19	3.63E-20	6.67E-19	14.41	13.44
Ni XXIV	99.2780	9 $\rightarrow$ 2	1.95E-18	3.65E-19	1.95E-18	13.84	-
Ni XXIV	99.8023	8 $\rightarrow$ 1	7.19E-18	7.19E-18	3.00E-18	13.84	-
Fe XXII	100.7800	10 $\rightarrow$ 1	4.93E-18	2.36E-18	4.93E-18	13.58	-
Fe XXII	102.2300	9 $\rightarrow$ 1	1.13E-18	1.87E-19	1.13E-18	13.58	-
O VIII	102.3476	8 $\rightarrow$ 3	2.26E-18	1.17E-18	2.26E-18	14.98	-
O VIII	102.4897	9 $\rightarrow$ 4	4.81E-18	2.51E-18	4.81E-18	14.98	-
Fe XXI	113.3000	14 $\rightarrow$ 4	1.27E-18	2.20E-20	1.27E-18	14.16	12.54
Fe XXII	<b>114.4100</b>	10 $\rightarrow$ 2	3.48E-17	1.67E-17	3.48E-17	13.58	-
Ni XXIV	115.9892	6 $\rightarrow$ 1	7.11E-18	7.11E-18	3.02E-18	13.84	-
Fe XXII	<b>116.2800</b>	9 $\rightarrow$ 2	1.49E-17	2.47E-18	1.49E-17	13.58	-
Fe XXII	<b>117.1700</b>	8 $\rightarrow$ 1	5.54E-17	5.54E-17	2.20E-17	13.58	-
Fe XXI	118.6900	10 $\rightarrow$ 2	3.66E-19	1.08E-20	3.24E-19	12.77	-
Fe XXI	121.2100	12 $\rightarrow$ 3	1.68E-18	1.10E-19	1.56E-18	12.33	-
Ni XXV	123.7218	8 $\rightarrow$ 3	4.85E-19	7.78E-20	4.85E-19	13.93	-
Fe XXI	128.7300	7 $\rightarrow$ 1	6.44E-18	6.44E-18	8.15E-19	12.66	-
Ni XXIV	133.1004	7 $\rightarrow$ 2	3.06E-18	1.47E-19	3.06E-18	13.84	-
Fe XXII	<b>135.7800</b>	6 $\rightarrow$ 1	4.57E-17	4.57E-17	2.09E-17	13.58	-
Fe XXIII	136.5300	9 $\rightarrow$ 4	3.64E-18	1.66E-18	3.64E-18	13.75	-
Fe XXI	142.1600	8 $\rightarrow$ 2	1.49E-18	1.42E-19	1.33E-18	12.77	-
Fe XXI	142.2700	7 $\rightarrow$ 2	4.68E-19	4.68E-19	5.92E-20	12.66	-
Ni XXV	142.5101	8 $\rightarrow$ 4	6.92E-19	1.11E-19	6.92E-19	13.93	-
Fe XXIII	144.3600	8 $\rightarrow$ 3	6.50E-18	1.04E-18	6.50E-18	13.75	-
Fe XXI	145.6500	9 $\rightarrow$ 3	1.37E-18	6.49E-20	1.37E-18	12.39	-
Fe XXIII	147.2400	7 $\rightarrow$ 2	6.12E-18	1.76E-18	6.12E-18	13.75	-
Fe XXIII	154.2700	7 $\rightarrow$ 3	3.86E-18	1.11E-18	3.86E-18	13.75	-
Fe XXII	<b>155.9200</b>	7 $\rightarrow$ 2	2.30E-17	1.33E-18	2.30E-17	13.58	-
Fe XXIII	166.7400	8 $\rightarrow$ 4	9.29E-18	1.48E-18	9.29E-18	13.75	-

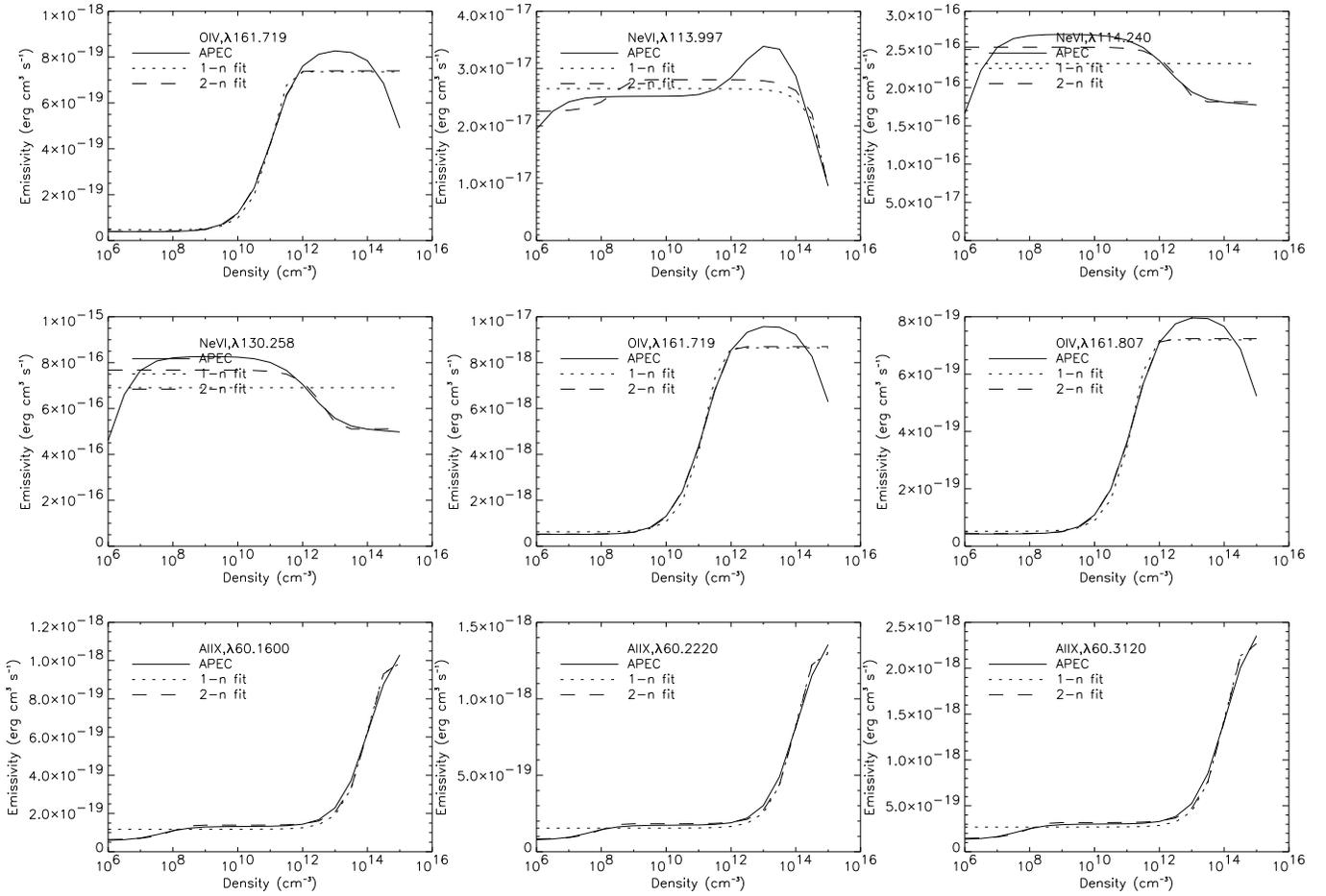


Figure 1: Poorly-fitting emission curves

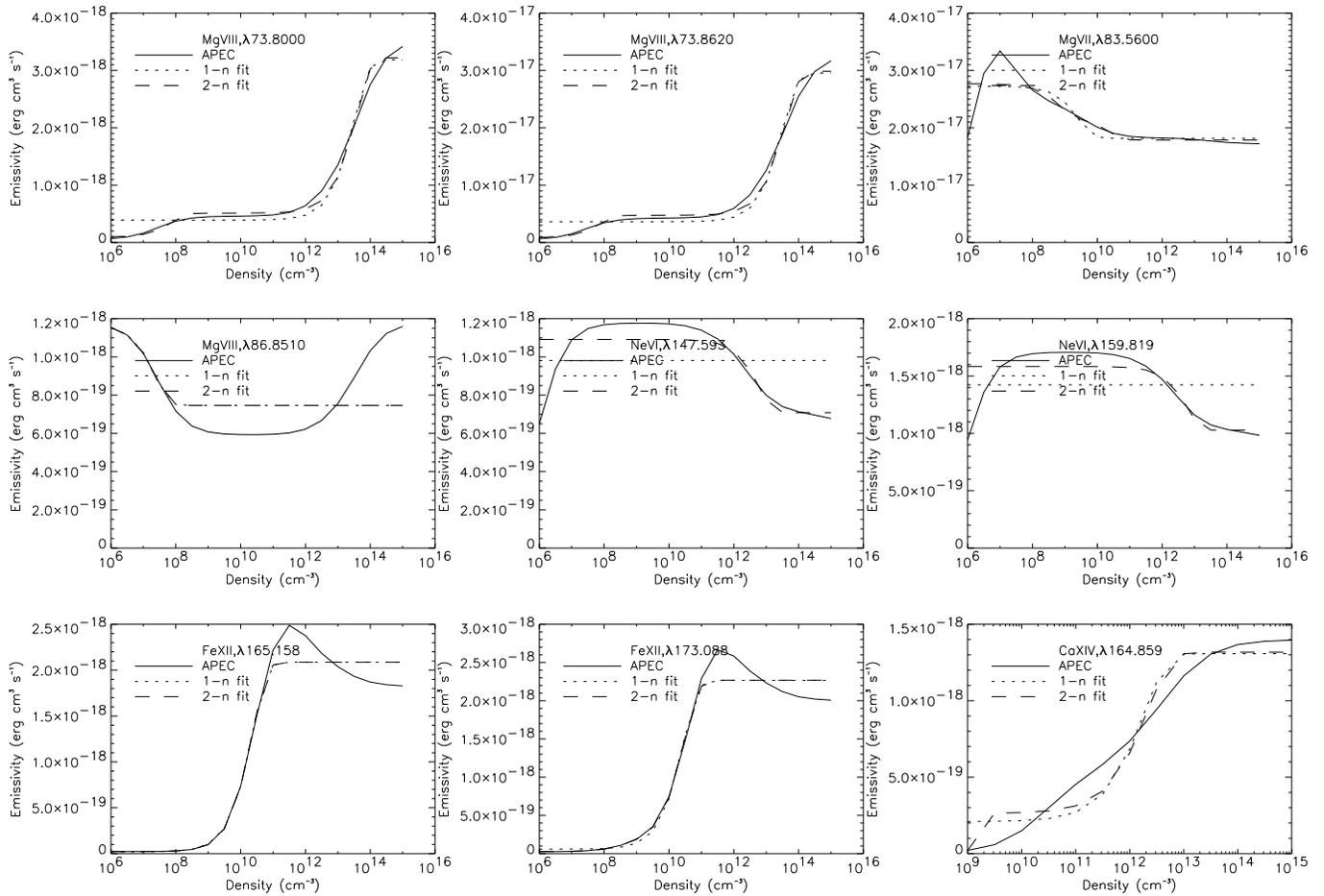


Figure 2: Poorly-fitting emission curves

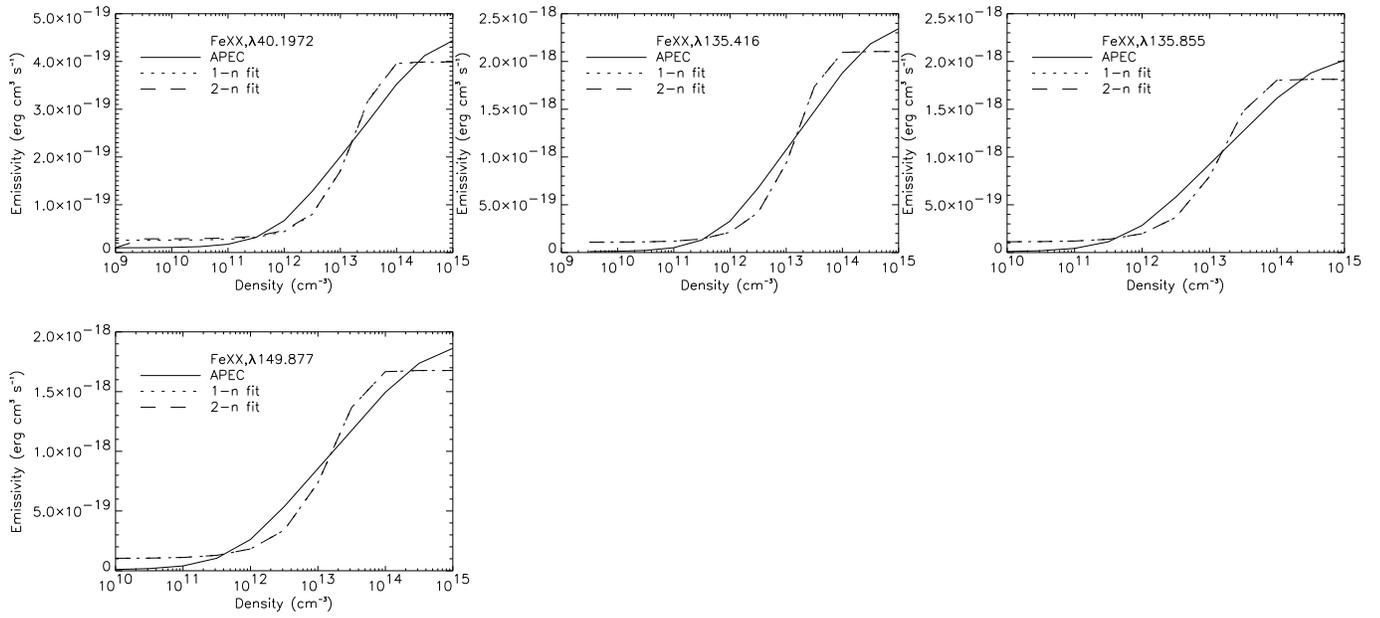


Figure 3: Poorly-fitting emission curves