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SPECTRUM TRANSITIONS AND THEIR WAVELENGTHS FROM 2000 TO 10,000 Å FOR RARE GAS ATOMS

October 1968

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HARRY DIAMOND LABORATORIES

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The air wavelengths between 2000 and 10,000 Å for all possible transitions of neutral rare gas atoms have been computed. The wavelengths are listed in two sets of tables: arranged by multiplets and arranged in order of decreasing wavelengths.

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by

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1. INTRODUCTION

Harrison (ref 1) in the MIT Wavelength Tables lists the air wavelengths between 2000 and 10,000 Å of spectrum lines for all the elements in their first two stages of ionization. Charlotte Moore (ref 2) in Atomic Energy Levels gives term values for the elements, based on a compilation of all the spectroscopic data available up to 1958. The present tables list all possible transitions and their air wavelengths for the neutral rare gas atoms in the range covered by the MIT tables. The tables were derived from a computer program based on the term values given by Moore.

Tables of the wavelengths in the 2000 to 10,000 Å range for multiplets of the rare gases are to be found in A Multiplet Table of Astrophysical Interest by Moore (ref 3) and wavelengths for selected transitions are given for helium and neon in Atomic Transition Probabilities of the National Standard Reference Data Series (ref 4). These two sets of tables are restricted to the most prominent lines, whereas the MIT tables also list much weaker lines. For example, in the Multiplet Table of Astrophysical Interest, 101 lines are given for Ne I, whereas in the MIT tables, Harrison lists a total of 700 lines. In addition to transitions giving rise to wavelengths between 2000 and 10,000 Å, Faust, McFarlane, Patel and Garrett (ref 5) give identifications of a large number of lines for neon, argon, krypton, and xenon between 2 and 35 μ, which have been observed in laser operation.

2. COMPUTER PROGRAM

All term differences that would result in wavelengths between 2000 and 10,000 Å were computed, subject to selection rules discussed below. The term values in Atomic Energy Levels were calculated by converting wavelengths in air into wave numbers in vacuum from the wave-number tables of Kayser (ref 6). Kayser's tables are based on the dispersion formula*

$$(n - 1) \times 10^7 = 2726.43 + 12.288/(\lambda^2 \times 10^{-8}) + 0.3555/(\lambda^4 \times 10^{-16})$$

where n is the index of refraction and λ is the wavelength in Angstrom units in dry air at 15°C and 76 cm Hg. From term differences one first obtains the vacuum wavelength, λ_{vac}. From $\lambda_{vac} = n\lambda$ and using the dispersion formula, one obtains the fourth-order equation:

* In 1952 the joint commission for spectroscopy recommended the use of a revised dispersion formula developed by Edlen (ref 7). A new table of wave numbers (ref 8) based on Edlen's formula has been published. However, to calculate air wavelengths from the term values given in reference 2, it is necessary to use the same dispersion formula used by Kayser.

$$(1 + 2.72643 \times 10^{-4})\lambda^4 - \lambda_{vac}\lambda^3 + (1.2288 \times 10^2)\lambda^2 + 3.555 \times 10^8 = 0.$$

For each λ_{vac} computed from term differences, the computer was programmed to solve this equation for the root closest to λ_{vac}.

All computations were carried out to 0.001 Å. Comparison of calculated wavelengths with those wavelengths of the MIT tables that are given to 0.001 Å show agreement to within 0.002 Å.

3. SPECTROSCOPIC NOTATION

The notation used follows that in the tables of Atomic Energy Levels (ref 2).

Helium

Terms are described by Russell-Saunders notation for LS coupling. A typical term is designated by $n\ell\ ^{A}L^{o}_{J}$, where n is the total quantum number of the excited electron and ℓ is its azimuthal quantum number. The value of ℓ is given by ℓ = s, p, d, f --- for ℓ = 0, 1, 2, 3 ---. In the range of wavelengths covered (2000 to 10,000 Å) only terms involving single electron excitation are involved. The superscript A is the multiplicity of the term and is equal to 2S + 1 where S is the total spin quantum number. Since helium has two electrons, S = 1/2 - 1/2 = 0 or S = 1/2 + 1/2 = 1, and hence A = 1 or 3. L is the total orbital angular momentum quantum number, and its value is given by L = S, P, D, F --- for L = 0, 1, 2, 3 ---. For helium, L = ℓ, since one electron is always in an s state. J = |L + S|, |L + S - 1|, ---|L - S| is the total angular momentum quantum number. The superscript o indicates odd parity; absence of the superscript indicates even parity.

Neon, Argon, Krypton, Xenon

For the heavier rare gases, a jℓ coupling notation devised by Racah (ref 9) is used. This supersedes the older Paschen notation. For the correspondence between Paschen and Racah designations consult reference 2. In the jℓ coupling envisaged for the heavier rare gases, the total electron orbital angular mementum and the total electron spin angular momentum of the ion core, couple to form a resultant core angular momentum vector: $\overline{j_c} = \overline{\ell_c} + \overline{s_c}$. The total core angular momentum couples to the orbital angular momentum of the excited electron to form the vector $\overline{K} = \overline{\ell_e} + \overline{j_c}$. This vector then couples with the spin of the excited electron to give the total angular momentum: $\overline{J} = \overline{K} + \overline{s_e}$. Terms are described by the notation: $n\ell_e[K]^{o}_{J}$ or $n\ell'_e[K]^{o}_{J}$; n is the total quantum number of the excited electron outside the ion core, and ℓ_e or ℓ'_e is the azimuthal quantum number of the excited electron. Unprimed values of ℓ indicate the ion core is in a $^{2}P^{o}_{3/2}$ (Russell-Saunders notation) ground state; if ℓ_e is primed,

the ion core is in a $^2P^o_{1/2}$ ground state. Values of l_e or l'_e are given by s, p, d, f --- as in the notation for LS coupling. K is the quantum number associated with $\overline{K}$, and $\overline{J}$ is the quantum number associated with the total angular momentum vector J. The superscript o indicates odd parity; absence of the superscript indicates even parity.

The tables were photocopied directly from the computer sheets. This required that terms be designated in a notation compatible with symbols available to the computer. Typical examples will make the changes from standard notation clear.

Helium

The term $7d\ ^3D_1$ in standard notation is written as 7D (3D)E-1, or the term $5p\ ^1P^o_o$ becomes 5P (1P)0-0. The E or 0 after the parenthesis indicates even or odd parity. The final integer is the value of J.

Neon, Argon, Krypton, Xenon

The term $4p\ [3/2]_2$ in standard notation transforms to 4P(1.5)E-2, or the term $6s'\ [1/2]^o_1$ transforms to 6S* [0.5]0-1.

4. SELECTION RULES

For LS coupling the rigorous selection rules for electric dipole radiation (ref 10) are:

(1) $\Delta J = 0, \pm 1\ (0 \not\leftrightarrow 0)$,

(2) Parity changes.

Approximate selection rules are:

(3) $\Delta S = 0$.

(4) One electron jump, $\Delta l = \pm 1$.

(5) $\Delta L = 0, \pm 1\ (0 \not\leftrightarrow 0)$.

For jl coupling the rigorous selection rules for electric dipole radiation are:

(1) $\Delta J = 0, \pm (0 \not\leftrightarrow 0)$.

(2) Parity changes.

Approximate selection rules (ref 5) are:

(3) One electron jump: $\Delta \ell_e = \pm 1$

(4) $\Delta j_c = 0$, where j_c is the ion core angular momentum quantum number.

(5) $\Delta K = 0, \pm 1$.

For helium, selection rules 1, 2, and 3 for LS coupling have been applied. With the exception of a few transitions from triplet levels to the ground state singlet level, there are no intercombination lines for helium. The wavelengths of any transitions to the ground state will be in the vacuum ultraviolet, and hence outside the range of these tables. The rule that the parity changes requires that if rules 4 and 5 are violated, $\Delta \ell$ (or ΔL) = ± 3 or greater. A careful comparison of calculated wavelengths with those listed in the MIT tables (ref 1) showed that no observed lines could be attributed to transitions with $\Delta \ell$ or $\Delta L = \pm 3$. However, an examination of the MIT tables for Ne showed several lines where $\Delta \ell = \pm 3$, and for sake of completeness, such transitions are included in the tables for He.

For neon, argon, krypton, and xenon selection rules 1 and 2 for $j\ell$ coupling have been applied. A study of listed Ne lines (ref 1) shows that there are certainly two and possibly nine lines for which $\Delta \ell = 3$. The selection rule on Δj_c is violated in a large number of cases and a substantial number of lines are observed for which $\Delta K = \pm 2$.

In addition to transitions barred by the selection rules, no wavelengths were computed for transitions from those upper state of atoms with a $^2P^0_{1/2}$ ion core that lie above the ionization limit of atoms with a $^2P^0_{3/2}$ ion core.

5. ARRANGEMENT OF TABLES

There are two sets of tables, one listing multiplets, the other listing transitions in order of decreasing wavelength. The tables for helium are subdivided into separate tables for singlets and triplets. The multiplet tables are arranged to give the wavelengths of transitions from an upper set of states to all possible lower states. The multiplets are listed in the order nS-mP, mF; nP-mS, mD; nD-mP, mF; nF-mS, mD, where n and m are running numbers. Wavelengths are air wavelengths in Angstroms.

6. ACKNOWLEDGEMENTS

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HELIUM SINGLET TRANSITIONS BY MULTIPLETS

Upper State	Lower State	λ	Upper State	Lower State	λ
3S (1S)E -0	2P (1P)O -1	7281.365	9P (1P)O -1	2S (1S)E -0	3296.787
4S (1S)E -0	2P (1P)O -1	5047.737	9P (1P)O -1	3S (1S)E -0	8518.091
5S (1S)E -0	2P (1P)O -1	4437.555	9P (1P)O -1	3D (1D)E -2	9524.521
6S (1S)E -0	2P (1P)O -1	4168.967	9P (1P)O -1	2S (1S)E -0	3301.317
7S (1S)E -0	2P (1P)O -1	4023.977	9P (1P)O -1	3S (1S)E -0	8548.399
8S (1S)E -0	2P (1P)O -1	3935.916	9P (1P)O -1	3D (1D)E -2	9562.430
8S (1S)E -0	3P (1P)O -1	9682.193	10P (1P)O -1	2S (1S)E -0	3231.267
9S (1S)E -0	2P (1P)O -1	3878.185	10P (1P)O -1	3S (1S)E -0	8094.059
9S (1S)E -0	3P (1P)O -1	9340.168	10P (1P)O -1	3D (1D)E -2	8997.470
10S (1S)E -0	2P (1P)O -1	3838.098	11P (1P)O -1	2S (1S)E -0	3211.568
10S (1S)E -0	3P (1P)O -1	9110.996	11P (1P)O -1	3S (1S)E -0	7971.581
12S (1S)E -0	2P (1P)O -1	3787.509	11P (1P)O -1	3D (1D)E -2	8846.381
12S (1S)E -0	3P (1P)O -1	8831.001	12P (1P)O -1	2S (1S)E -0	3196.740
13S (1S)E -0	2P (1P)O -1	3769.583	12P (1P)O -1	3S (1S)E -0	7880.851
13S (1S)E -0	3P (1P)O -1	8734.159	12P (1P)O -1	3D (1D)E -2	8734.785
3P (1P)O -1	2S (1S)E -0	5015.684	13P (1P)O -1	2S (1S)E -0	3185.292
4P (1P)O -1	2S (1S)E -0	3964.736	13P (1P)O -1	3S (1S)E -0	7811.643
5P (1P)O -1	2S (1S)E -0	3613.642	13P (1P)O -1	3D (1D)E -2	8649.847
6P (1P)O -1	2S (1S)E -0	3447.592	14P (1P)O -1	2S (1S)E -0	3176.264
6P (1P)O -1	3S (1S)E -0	9603.416	14P (1P)O -1	3S (1S)E -0	7757.572
7P (1P)O -1	2S (1S)E -0	3354.552	14P (1P)O -1	3D (1D)E -2	8583.599
7P (1P)O -1	3S (1S)E -0	8914.702	15P (1P)O -1	2S (1S)E -0	3169.018

HELIUM SINGLET TRANSITIONS BY MULTIPLETS

Upper State	Lower State	λ
15P (1P)0 -1	3S (1S)E -0	7714.490
15P (1P)0 -1	3D (1D)E -2	8530.885
16P (1P)0 -1	2S (1S)E -0	3163.110
16P (1P)0 -1	3S (1S)E -0	7679.574
16P (1P)0 -1	3D (1D)E -2	8488.208
17P (1P)0 -1	2S (1S)E -0	3158.230
17P (1P)0 -1	3S (1S)E -0	7650.875
17P (1P)0 -1	3D (1D)E -2	8453.161
18P (1P)0 -1	2S (1S)E -0	3154.152
18P (1P)0 -1	3S (1S)E -0	7626.984
18P (1P)0 -1	3D (1D)E -2	8424.006
19P (1P)0 -1	2S (1S)E -0	3150.708
19P (1P)0 -1	3S (1S)E -0	7606.882
19P (1P)0 -1	3D (1D)E -2	8399.490
20P (1P)0 -1	2S (1S)E -0	3147.775
20P (1P)0 -1	3S (1S)E -0	7589.809
20P (1P)0 -1	3D (1D)E -2	8378.679
3D (1D)E -2	2P (1P)0 -1	6678.154
4D (1D)E -2	2P (1P)0 -1	4921.935
5D (1D)E -2	2P (1P)0 -1	4387.924
6D (1D)E -2	2P (1P)0 -1	4143.764
7D (1D)E -2	2P (1P)0 -1	4009.272

Upper State	Lower State	λ
8D (1D)E -2	2P (1P)0 -1	3926.532
8D (1D)E -2	3P (1P)0 -1	9625.605
9D (1D)E -2	2P (1P)0 -1	3871.822
9D (1D)E -2	3P (1P)0 -1	9303.350
10D (1D)E -2	2P (1P)0 -1	3833.577
10D (1D)E -2	3P (1P)0 -1	9085.559
11D (1D)E -2	2P (1P)0 -1	3805.769
11D (1D)E -2	3P (1P)0 -1	8930.906
12D (1D)E -2	2P (1P)0 -1	3784.888
12D (1D)E -2	3P (1P)0 -1	8816.764
13D (1D)E -2	2P (1P)0 -1	3768.814
13D (1D)E -2	3P (1P)0 -1	8730.033
14D (1D)E -2	2P (1P)0 -1	3756.108
14D (1D)E -2	3P (1P)0 -1	8662.160
8F (1F)0 -3	3D (1D)E -2	9529.296
9F (1F)0 -3	3D (1D)E -2	9213.147

HELIUM SINGLET TRANSITIONS BY WAVELENGTHS

λ	Upper State	Lower State
9682.193	8S (1S)E -0	3P (1P)O -1
9625.605	8D (1D)E -2	3P (1P)O -1
9603.416	6P (1P)O -1	3S (1S)E -0
9562.430	9P (1P)O -1	3D (1D)E -2
9529.296	8F (1F)O -3	3D (1D)E -2
9524.521	8P (1P)O -1	3D (1D)E -2
9340.168	9S (1S)E -0	3P (1P)O -1
9303.350	9D (1D)E -2	3P (1P)O -1
9213.147	9F (1F)O -3	3D (1D)E -2
9110.996	10S (1S)E -0	3P (1P)O -1
9085.559	10D (1D)E -2	3P (1P)O -1
8997.470	10P (1P)O -1	3D (1D)E -2
8930.908	11D (1D)E -2	3P (1P)O -1
8914.702	7P (1P)O -1	3S (1S)E -0
8846.381	11P (1P)O -1	3D (1D)E -2
8831.001	12S (1S)E -0	3P (1P)O -1
8816.764	12D (1D)E -2	3P (1P)O -1
8734.785	12P (1P)O -1	3D (1D)E -2
8734.159	13S (1S)E -0	3P (1P)O -1
8730.033	13D (1D)E -2	3P (1P)O -1
8662.160	14D (1D)E -2	3P (1P)O -1
8649.847	13P (1P)O -1	3D (1D)E -2
8583.599	14P (1P)O -1	3D (1D)E -2
8548.399	9P (1P)O -1	3S (1S)E -0
8530.885	15P (1P)O -1	3D (1D)E -2
8518.091	8P (1P)O -1	3S (1S)E -0
8488.208	16P (1P)O -1	3D (1D)E -2
8453.161	17P (1P)O -1	3D (1D)E -2
8424.006	18P (1P)O -1	3D (1D)E -2
8399.490	19P (1P)O -1	3D (1D)E -2
8378.679	20P (1P)O -1	3D (1D)E -2
8094.059	10P (1P)O -1	3S (1S)E -0
7971.581	11P (1P)O -1	3S (1S)E -0
7880.851	12P (1P)O -1	3S (1S)E -0
7811.643	13P (1P)O -1	3S (1S)E -0
7757.572	14P (1P)O -1	3S (1S)E -0
7714.490	15P (1P)O -1	3S (1S)E -0
7679.574	16P (1P)O -1	3S (1S)E -0
7650.875	17P (1P)O -1	3S (1S)E -0
7626.984	18P (1P)O -1	3S (1S)E -0
7606.882	19P (1P)O -1	3S (1S)E -0
7589.809	20P (1P)O -1	3S (1S)E -0
7281.365	3S (1S)E -0	2P (1P)O -1
6678.154	3D (1D)E -2	2P (1P)O -1
5047.737	4S (1S)E -0	2P (1P)O -1
5015.684	3P (1P)O -1	2S (1S)E -0
4921.935	4D (1D)E -2	2P (1P)O -1
4437.555	5S (1S)E -0	2P (1P)O -1
4387.934	5D (1D)E -2	2P (1P)O -1
4168.967	6S (1S)E -0	2P (1P)O -1
4143.764	6D (1D)E -2	2P (1P)O -1
4023.977	7S (1S)E -0	2P (1P)O -1
4009.272	7D (1D)E -2	2P (1P)O -1
3964.736	4P (1P)O -1	2S (1S)E -0
3935.916	8S (1S)E -0	2P (1P)O -1
3926.532	8D (1D)E -2	2P (1P)O -1
3878.185	9S (1S)E -0	2P (1P)O -1
3871.822	9D (1D)E -2	2P (1P)O -1
3838.098	10S (1S)E -0	2P (1P)O -1
3833.577	10D (1D)E -2	2P (1P)O -1
3805.769	11D (1D)E -2	2P (1P)O -1
3787.509	12S (1S)E -0	2P (1P)O -1
3784.888	12D (1D)E -2	2P (1P)O -1
3769.583	13S (1S)E -0	2P (1P)O -1
3768.814	13D (1D)E -2	2P (1P)O -1
3756.108	14D (1D)E -2	2P (1P)O -1
3613.642	5P (1P)O -1	2S (1S)E -0
3447.592	6P (1P)O -1	2S (1S)E -0
3354.552	7P (1P)O -1	2S (1S)E -0
3301.317	9P (1P)O -1	2S (1S)E -0
3296.787	8P (1P)O -1	2S (1S)E -0
3231.267	10P (1P)O -1	2S (1S)E -0
3211.568	11P (1P)O -1	2S (1S)E -0
3196.740	12P (1P)O -1	2S (1S)E -0
3185.292	13P (1P)O -1	2S (1S)E -0
3176.264	14P (1P)O -1	2S (1S)E -0
3169.018	15P (1P)O -1	2S (1S)E -0
3163.110	16P (1P)O -1	2S (1S)E -0
3158.230	17P (1P)O -1	2S (1S)E -0
3154.152	18P (1P)O -1	2S (1S)E -0
3150.708	19P (1P)O -1	2S (1S)E -0
3147.775	20P (1P)O -1	2S (1S)E -0

HELIUM TRIPLET TRANSITIONS BY MULTIPLETS

Upper State	Lower State	λ
3S (3S)E -1	2P (3P)0 -2	7065.209
	2P (3P)0 -0	7065.746
	2P (3P)0 -1	7065.248
4S (3S)E -1	2P (3P)0 -2	4713.143
	2P (3P)0 -0	4713.382
	2P (3P)0 -1	4713.160
5S (3S)E -1	2P (3P)0 -2	4120.816
	2P (3P)0 -0	4120.999
	2P (3P)0 -1	4120.829
6S (3S)E -1	2P (3P)0 -2	3867.477
	2P (3P)0 -0	3867.636
	2P (3P)0 -1	3867.489
7S (3S)E -1	2P (3P)0 -2	3732.861
	2P (3P)0 -0	3733.011
	2P (3P)0 -1	3732.872
7S (3S)E -1	3P (3P)0 -2	9702.583
	3P (3P)0 -1	9702.740
	3P (3P)0 -0	9702.920
8S (3S)E -1	2P (3P)0 -2	3651.975
	2P (3P)0 -0	3652.118
	2P (3P)0 -1	3651.985
8S (3S)E -1	3P (3P)0 -2	9174.433
	3P (3P)0 -1	9174.573
	3P (3P)0 -0	9174.734
9S (3S)E -1	2P (3P)0 -2	3599.304
	2P (3P)0 -0	3599.443
	2P (3P)0 -1	3599.314
9S (3S)E -1	3P (3P)0 -2	8849.129
	3P (3P)0 -1	8849.259
	3P (3P)0 -0	8849.409
10S(3S)E -1	2P (3P)0 -2	3562.950
	2P (3P)0 -0	3563.086
	2P (3P)0 -1	3562.960
10S(3S)E -1	3P (3P)0 -2	8632.584
	3P (3P)0 -1	8632.708
	3P (3P)0 -0	8632.851
11S (3S)E -1	2P (3P)0 -2	3536.820
	2P (3P)0 -0	3536.954
	2P (3P)0 -1	3536.830

Upper State	Lower State	λ
11S (3S)E -1	3P (3P)0 -2	8480.782
	3P (3P)0 -1	8480.901
	3P (3P)0 -0	8481.039
12S (3S)E -1	2P (3P)0 -2	3517.328
	2P (3P)0 -0	3517.461
	2P (3P)0 -1	3517.337
12S (3S)E -1	3P (3P)0 -2	8369.568
	3P (3P)0 -1	8369.685
	3P (3P)0 -0	8369.819
13S (3S)E -1	2P (3P)0 -2	3502.381
	2P (3P)0 -0	3502.513
	2P (3P)0 -1	3502.391
13S (3S)E -1	3P (3P)0 -2	8285.435
	3P (3P)0 -1	8285.549
	3P (3P)0 -0	8285.681
14S (3S)E -1	2P (3P)0 -2	3490.623
	2P (3P)0 -0	3490.754
	2P (3P)0 -1	3490.632
14S (3S)E -1	3P (3P)0 -2	8219.933
	3P (3P)0 -1	8220.045
	3P (3P)0 -0	8220.175
15S (3S)E -1	2P (3P)0 -2	3481.445
	2P (3P)0 -0	3481.575
	2P (3P)0 -1	3481.454
15S (3S)E -1	3P (3P)0 -2	8169.220
	3P (3P)0 -1	8169.331
	3P (3P)0 -0	8169.459
3P (3P)0 -2	2S (3S)E -1	3888.651
3P (3P)0 -1	2S (3S)E -1	3888.626
3P (3P)0 -0	2S (3S)E -1	3888.597
4P (3P)0 -2	2S (3S)E -1	3187.745
4P (3P)0 -1	2S (3S)E -1	3187.745
4P (3P)0 -0	2S (3S)E -1	3187.745
5P (3P)0 -2	2S (3S)E -1	2945.105
5P (3P)0 -1	2S (3S)E -1	2945.105
5P (3P)0 -0	2S (3S)E -1	2945.105

HELIUM TRIPLET TRANSITIONS BY MULTIPLETS

Upper State	Lower State	λ
5P (3P)0 -2	3S (3S)E -1	9463.527
5P (3P)0 -1	3S (3S)E -1	9463.527
5P (3P)0 -0	3S (3S)E -1	9463.527
6P (3P)0 -2	2S (3S)E -1	2829.073
6P (3P)0 -1	2S (3S)E -1	2829.073
6P (3P)0 -0	2S (3S)E -1	2829.073
6P (3P)0 -2	3S (3S)E -1	8361.615
6P (3P)0 -1	3S (3S)E -1	8361.615
6P (3P)0 -0	3S (3S)E -1	8361.615
7P (3P)0 -2	2S (3S)E -1	2763.800
7P (3P)0 -1	2S (3S)E -1	2763.800
7P (3P)0 -0	2S (3S)E -1	2763.800
7P (3P)0 -2	3S (3S)E -1	7816.070
7P (3P)0 -1	3S (3S)E -1	7816.070
7P (3P)0 -0	3S (3S)E -1	7816.070
8P (3P)0 -2	2S (3S)E -1	2723.192
8P (3P)0 -1	2S (3S)E -1	2723.192
8P (3P)0 -0	2S (3S)E -1	2723.192
8P (3P)0 -2	3S (3S)E -1	7499.814
8P (3P)0 -1	3S (3S)E -1	7499.814
8P (3P)0 -0	3S (3S)E -1	7499.814
8P (3P)0 -2	3D (3D)E -3	9552.880
	3D (3D)E -2	9552.880
	3D (3D)E -1	9552.880
8P (3P)0 -1	3D (3D)E -2	9552.880
	3D (3D)E -1	9552.880
8P (3P)0 -0	3D (3D)E -1	9552.880
9P (3P)0 -2	2S (3S)E -1	2696.119
9P (3P)0 -1	2S (3S)E -1	2696.119
9P (3P)0 -0	2S (3S)E -1	2696.119
9P (3P)0 -2	3S (3S)E -1	7298.009
9P (3P)0 -1	3S (3S)E -1	7298.009
9P (3P)0 -0	3S (3S)E -1	7298.009
9P (3P)0 -2	3D (3D)E -3	9227.860
	3D (3D)E -2	9227.860
	3D (3D)E -1	9227.860
9P (3P)0 -1	3D (3D)E -2	9227.860
	3D (3D)E -1	9227.860
9P (3P)0 -0	3D (3D)E -1	9227.860
10P (3P)0 -2	2S (3S)E -1	2677.133
10P (3P)0 -1	2S (3S)E -1	2677.133
10P (3P)0 -0	2S (3S)E -1	2677.133
10P (3P)0 -2	3S (3S)E -1	7160.558
10P (3P)0 -1	3S (3S)E -1	7160.558
10P (3P)0 -0	3S (3S)E -1	7160.558
10P (3P)0 -2	3D (3D)E -3	9009.193
	3D (3D)E -2	9009.193
	3D (3D)E -1	9009.193
10P (3P)0 -1	3D (3D)E -2	9009.193
	3D (3D)E -1	9009.193
10P (3P)0 -0	3D (3D)E -1	9009.193
11P (3P)0 -2	2S (3S)E -1	2663.271
11P (3P)0 -1	2S (3S)E -1	2663.271
11P (3P)0 -0	2S (3S)E -1	2663.271
11P (3P)0 -2	3S (3S)E -1	7062.249
11P (3P)0 -1	3S (3S)E -1	7062.249
11P (3P)0 -0	3S (3S)E -1	7062.249
11P (3P)0 -2	3D (3D)E -3	8854.121
	3D (3D)E -2	8854.121
	3D (3D)E -1	8854.121
11P (3P)0 -1	3D (3D)E -2	8854.121
	3D (3D)E -1	8854.121
11P (3P)0 -0	3D (3D)E -1	8854.121

HELIUM TRIPLET TRANSITIONS BY MULTIPLETS

Upper State	Lower State	λ
12P (3P)0 -2	2S (3S)E -1	2652.849
12P (3P)0 -1	2S (3S)E -1	2652.849
12P (3P)0 -0	2S (3S)E -1	2652.849
12P (3P)0 -2	3S (3S)E -1	6989.441
12P (3P)0 -1	3S (3S)E -1	6989.441
12P (3P)0 -0	3S (3S)E -1	6989.441
12P (3P)0 -2	3D (3D)E -3	8739.978
	3D (3D)E -2	8739.978
	3D (3D)E -1	8739.978
12P (3P)0 -1	3D (3D)E -2	8739.978
	3D (3D)E -1	8739.978
12P (3P)0 -0	3D (3D)E -1	8739.978
13P (3P)0 -2	2S (3S)E -1	2644.803
13P (3P)0 -1	2S (3S)E -1	2644.803
13P (3P)0 -0	2S (3S)E -1	2644.803
13P (3P)0 -2	3S (3S)E -1	6933.870
13P (3P)0 -1	3S (3S)E -1	6933.870
13P (3P)0 -0	3S (3S)E -1	6933.870
13P (3P)0 -2	3D (3D)E -3	8653.259
	3D (3D)E -2	8653.259
	3D (3D)E -1	8653.259
13P (3P)0 -1	3D (3D)E -2	8653.259
	3D (3D)E -1	8653.259
13P (3P)0 -0	3D (3D)E -1	8653.259
14P (3P)0 -2	2S (3S)E -1	2638.463
14P (3P)0 -1	2S (3S)E -1	2638.463
14P (3P)0 -0	2S (3S)E -1	2638.463
14P (3P)0 -2	3S (3S)E -1	6890.462
14P (3P)0 -1	3S (3S)E -1	6890.462
14P (3P)0 -0	3S (3S)E -1	6890.462
14P (3P)0 -2	3D (3D)E -3	8585.759
	3D (3D)E -2	8585.759
	3D (3D)E -1	8585.759
14P (3P)0 -1	3D (3D)E -2	8585.759
	3D (3D)E -1	8585.759
14P (3P)0 -0	3D (3D)E -1	8585.759
15P (3P)0 -2	2S (3S)E -1	2633.374
15P (3P)0 -1	2S (3S)E -1	2633.374
15P (3P)E -0	2S (3S)E -1	2633.374
15P (3P)0 -2	3S (3S)E -1	6855.868
15P (3P)0 -1	3S (3S)E -1	6855.868
15P (3P)E -0	3S (3S)E -1	6855.868
15P (3P)0 -2	3D (3D)E -3	8532.115
	3D (3D)E -2	8532.115
	3D (3D)E -1	8532.115
15P (3P)0 -1	3D (3D)E -2	8532.115
	3D (3D)E -1	8532.115
15P (3P)E -0	3D (3D)E -1	8532.115
16P (3P)0 -2	2S (3S)E -1	2629.230
16P (3P)0 -1	2S (3S)E -1	2629.230
16P (3P)0 -0	2S (3S)E -1	2629.230
16P (3P)0 -2	3S (3S)E -1	6827.849
16P (3P)0 -1	3S (3S)E -1	6827.849
16P (3P)0 -0	3S (3S)E -1	6827.849
16P (3P)0 -2	3D (3D)E -3	8488.763
	3D (3D)E -2	8488.763
	3D (3D)E -1	8488.763
16P (3P)0 -1	3D (3D)E -2	8488.763
	3D (3D)E -1	8488.763
16P (3P)0 -0	3D (3D)E -1	8488.763
17P (3P)0 -2	2S (3S)E -1	2625.807
17P (3P)0 -1	2S (3S)E -1	2625.807
17P (3P)E -0	2S (3S)E -1	2625.807

HELIUM TRIPLET TRANSITIONS BY MULTIPLETS

Upper State	Lower State	λ
17P (3P)0 -2	3S (3S)E -1	6804.815
17P (3P)0 -1	3S (3S)E -1	6804.815
17P (3P)E -0	3S (3S)E -1	6804.815
17P (3P)0 -2	3D (3D)E -3	8453.189
	3D (3D)E -2	8453.189
	3D (3D)E -1	8453.189
17P (3P)0 -1	3D (3D)E -2	8453.189
	3D (3D)E -1	8453.189
17P (3P)E -0	3D (3D)E -1	8453.189
18P (3P)0 -2	2S (3S)E -1	2622.947
18P (3P)0 -1	2S (3S)E -1	2622.947
18P (3P)0 -0	2S (3S)E -1	2622.947
18P (3P)0 -2	3S (3S)E -1	6785.643
18P (3P)0 -1	3S (3S)E -1	6785.643
18P (3P)0 -0	3S (3S)E -1	6785.643
18P (3P)0 -2	3D (3D)E -3	8423.624
	3D (3D)E -2	8423.624
	3D (3D)E -1	8423.624
18P (3P)0 -1	3D (3D)E -2	8423.624
	3D (3D)E -1	8423.624
18P (3P)0 -0	3D (3D)E -1	8423.624
19P (3P)0 -2	2S (3S)E -1	2620.533
19P (3P)0 -1	2S (3S)E -1	2620.533
19P (3P)0 -0	2S (3S)E -1	2620.533
19P (3P)0 -2	3S (3S)E -1	6769.515
19P (3P)0 -1	3S (3S)E -1	6769.515
19P (3P)0 -0	3S (3S)E -1	6769.515
19P (3P)0 -2	3D (3D)E -3	8398.784
	3D (3D)E -2	8398.784
	3D (3D)E -1	8398.784
19P (3P)0 -1	3D (3D)E -2	8398.784
	3D (3D)E -1	8398.784
19P (3P)0 -0	3D (3D)E -1	8398.784

Upper State	Lower State	λ
20P (3P)0 -2	2S (3S)E -1	2618.477
20P (3P)0 -1	2S (3S)E -1	2618.477
20P (3P)0 -0	2S (3S)E -1	2618.477
20P (3P)0 -2	3S (3S)E -1	6755.813
20P (3P)0 -1	3S (3S)E -1	6755.813
20P (3P)0 -0	3S (3S)E -1	6755.813
20P (3P)0 -2	3D (3D)E -3	8377.704
	3D (3D)E -2	8377.704
	3D (3D)E -1	8377.704
20P (3P)0 -1	3D (3D)E -2	8377.704
	3D (3D)E -1	8377.704
20P (3P)0 -0	3D (3D)E -1	8377.704
21P (3P)0 -2	2S (3S)E -1	2616.712
21P (3P)0 -1	2S (3S)E -1	2616.712
21P (3P)0 -0	2S (3S)E -1	2616.712
21P (3P)0 -2	3S (3S)E -1	6744.074
21P (3P)0 -1	3S (3S)E -1	6744.074
21P (3P)0 -0	3S (3S)E -1	6744.074
21P (3P)0 -2	3D (3D)E -3	8359.658
	3D (3D)E -2	8359.658
	3D (3D)E -1	8359.658
21P (3P)0 -1	3D (3D)E -2	8359.658
	3D (3D)E -1	8359.658
21P (3P)0 -0	3D (3D)E -1	8359.658
22P (3P)0 -2	2S (3S)E -1	2615.184
22P (3P)0 -1	2S (3S)E -1	2615.184
22P (3P)E -0	2S (3S)E -1	2615.184
22P (3P)0 -2	3S (3S)E -1	6733.934
22P (3P)0 -1	3S (3S)E -1	6733.934
22P (3P)E -0	3S (3S)E -1	6733.934

HELIUM TRIPLET TRANSITIONS BY MULTIPLETS

Upper State	Lower State	λ
22P (3P)0 -2	3D (3D)E -3	8344.084
	3D (3D)E -2	8344.084
	3D (3D)E -1	8344.084
22P (3P)0 -1	3D (3D)E -2	8344.084
	3D (3D)E -1	8344.084
22P (3P)E -0	3D (3D)E -1	8344.084
3D (3D)E -3	2P (3P)0 -2	5875.616
3D (3D)E -2	2P (3P)0 -2	5875.616
	2P (3P)0 -1	5875.643
3D (3D)E -1	2P (3P)0 -2	5875.616
	2P (3P)0 -0	5875.987
	2P (3P)0 -1	5875.643
4D (3D)E -3	2P (3P)0 -2	4471.478
4D (3D)E -2	2P (3P)0 -2	4471.478
	2P (3P)0 -1	4471.493
4D (3D)E -1	2P (3P)0 -2	4471.478
	2P (3P)0 -0	4471.693
	2P (3P)0 -1	4471.493
5D (3D)E -3	2P (3P)0 -2	4026.193
5D (3D)E -2	2P (3P)0 -2	4026.193
	2P (3P)0 -1	4026.205
5D (3D)E -1	2P (3P)0 -2	4026.193
	2P (3P)0 -0	4026.367
	2P (3P)0 -1	4026.205
6D (3D)E -3	2P (3P)0 -2	3819.614
6D (3D)E -2	2P (3P)0 -2	3819.614
	2P (3P)0 -1	3819.625
6D (3D)E -1	2P (3P)0 -2	3819.614
	2P (3P)0 -0	3819.771
	2P (3P)0 -1	3819.625
7D (3D)E -3	2P (3P)0 -2	3705.002
7D (3D)E -2	2P (3P)0 -2	3705.002
	2P (3P)0 -1	3705.013
7D (3D)E -1	2P (3P)0 -2	3705.002
	2P (3P)0 -0	3705.150
	2P (3P)0 -1	3705.013
7D (3D)E -3	3P (3P)0 -2	9516.596
7D (3D)E -2	3P (3P)0 -2	9516.596
	3P (3P)0 -1	9516.747
7D (3D)E -1	3P (3P)0 -2	9516.596
	3P (3P)0 -1	9516.747
	3P (3P)0 -0	9516.920
8D (3D)E -3	2P (3P)0 -2	3634.233
8D (3D)E -2	2P (3P)0 -2	3634.233
	2P (3P)0 -1	3634.244
8D (3D)E -1	2P (3P)0 -2	3634.233
	2P (3P)0 -0	3634.375
	2P (3P)0 -1	3634.244
8D (3D)E -3	3P (3P)0 -2	9063.288
8D (3D)E -2	3P (3P)0 -2	9063.288
	3P (3P)0 -1	9063.424
8D (3D)E -1	3P (3P)0 -2	9063.288
	3P (3P)0 -1	9063.424
	3P (3P)0 -0	9063.581
9D (3D)E -3	2P (3P)0 -2	3587.258
9D (3D)E -2	2P (3P)0 -2	3587.258
	2P (3P)0 -1	3587.268
9D (3D)E -1	2P (3P)0 -2	3587.258
	2P (3P)0 -0	3587.397
	2P (3P)0 -1	3587.268
9D (3D)E -3	3P (3P)0 -2	8776.676
9D (3D)E -2	3P (3P)0 -2	8776.676
	3P (3P)0 -1	8776.804
9D (3D)E -1	3P (3P)0 -2	8776.676
	3P (3P)0 -1	8776.804
	3P (3P)0 -0	8776.952
10D (3D)E -3	2P (3P)0 -2	3554.394
10D (3D)E -2	2P (3P)0 -2	3554.394
	2P (3P)0 -1	3554.404
10D (3D)E -1	2P (3P)0 -2	3554.394
	2P (3P)0 -0	3554.530
	2P (3P)0 -1	3554.404

HELIUM TRIPLET TRANSITIONS BY MULTIPLETS

Upper State	Lower State	λ
10D (3D)E -3	3P (3P)0 -2	8582.530
10D (3D)E -2	3P (3P)0 -2	8582.530
	3P (3P)0 -1	8582.652
10D (3D)E -1	3P (3P)0 -2	8582.530
	3P (3P)0 -1	8582.652
	3P (3P)0 -0	8582.793
11D (3D)E -3	2P (3P)0 -2	3530.487
11D (3D)E -2	2P (3P)0 -2	3530.487
	2P (3P)0 -1	3530.497
11D (3D)E -1	2P (3P)0 -2	3530.487
	2P (3P)0 -0	3530.621
	2P (3P)0 -1	3530.497
11D (3D)E -3	3P (3P)0 -2	8444.464
11D (3D)E -2	3P (3P)0 -2	8444.464
	3P (3P)0 -1	8444.582
11D (3D)E -1	3P (3P)0 -2	8444.464
	3P (3P)0 -1	8444.582
	3P (3P)0 -0	8444.718
12D (3D)E -3	2P (3P)0 -2	3512.510
12D (3D)E -2	2P (3P)0 -2	3512.510
	2P (3P)0 -1	3512.520
12D (3D)E -1	2P (3P)0 -2	3512.510
	2P (3P)0 -0	3512.643
	2P (3P)0 -1	3512.520
12D (3D)E -3	3P (3P)0 -2	8342.344
12D (3D)E -2	3P (3P)0 -2	8342.344
	3P (3P)0 -1	8342.459
12D (3D)E -1	3P (3P)0 -2	8342.344
	3P (3P)0 -1	8342.459
	3P (3P)0 -0	8342.593
13D (3D)E -3	2P (3P)0 -2	3498.644
13D (3D)E -2	2P (3P)0 -2	3498.644
	2P (3P)0 -1	3498.653
13D (3D)E -1	2P (3P)0 -2	3498.644
	2P (3P)0 -0	3498.775
	2P (3P)0 -1	3498.653
13D (3D)E -3	3P (3P)0 -2	8264.551
13D (3D)E -2	3P (3P)0 -2	8264.551
	3P (3P)0 -1	8264.664
13D (3D)E -1	3P (3P)0 -2	8264.551
	3P (3P)0 -1	8264.664
	3P (3P)0 -0	8264.795
14D (3D)E -3	2P (3P)0 -2	3487.723
14D (3D)E -2	2P (3P)0 -2	3487.723
	2P (3P)0 -1	3487.733
14D (3D)E -1	2P (3P)0 -2	3487.723
	2P (3P)0 -0	3487.854
	2P (3P)0 -1	3487.733
14D (3D)E -3	3P (3P)0 -2	8203.873
14D (3D)E -2	3P (3P)0 -2	8203.873
	3P (3P)0 -1	8203.985
14D (3D)E -1	3P (3P)0 -2	8203.873
	3P (3P)0 -1	8203.985
	3P (3P)0 -0	8204.114
15D (3D)E -3	2P (3P)0 -2	3478.971
15D (3D)E -2	2P (3P)0 -2	3478.971
	2P (3P)0 -1	3478.980
15D (3D)E -1	2P (3P)0 -2	3478.971
	2P (3P)0 -0	3479.101
	2P (3P)0 -1	3478.980
15D (3D)E -3	3P (3P)0 -2	8155.612
15D (3D)E -2	3P (3P)0 -2	8155.612
	3P (3P)0 -1	8155.722
15D (3D)E -1	3P (3P)0 -2	8155.612
	3P (3P)0 -1	8155.722
	3P (3P)0 -0	8155.849
16D (3D)E -3	2P (3P)0 -2	3471.799
16D (3D)E -2	2P (3P)0 -2	3471.799
	2P (3P)0 -1	3471.808
16D (3D)E -1	2P (3P)0 -2	3471.799
	2P (3P)0 -0	3471.928
	2P (3P)0 -1	3471.808
16D (3D)E -3	3P (3P)0 -2	8116.309
16D (3D)E -2	3P (3P)0 -2	8116.309
	3P (3P)0 -1	8116.418
16D (3D)E -1	3P (3P)0 -2	8116.309
	3P (3P)0 -1	8116.418
	3P (3P)0 -0	8116.544

HELIUM TRIPLET TRANSITIONS BY MULTIPLETS

Upper State	Lower State	λ
17D (3D)E -3	2P (3P)0 -2	3465.910
17D (3D)E -2	2P (3P)0 -2	3465.910
	2P (3P)0 -1	3465.920
17D (3D)E -1	2P (3P)0 -2	3465.910
	2P (3P)0 -0	3466.040
	2P (3P)0 -1	3465.920
17D (3D)E -3	3P (3P)0 -2	8084.201
17D (3D)E -2	3P (3P)0 -2	8084.201
	3P (3P)0 -1	8084.310
17D (3D)E -1	3P (3P)0 -2	8084.201
	3P (3P)0 -1	8084.310
	3P (3P)0 -0	8084.435
18D (3D)E -3	2P (3P)0 -2	3460.940
18D (3D)E -2	2P (3P)0 -2	3460.940
	2P (3P)0 -1	3460.950
18D (3D)E -1	2P (3P)0 -2	3460.940
	2P (3P)0 -0	3461.069
	2P (3P)0 -1	3460.950
18D (3D)E -3	3P (3P)0 -2	8057.214
18D (3D)E -2	3P (3P)0 -2	8057.214
	3P (3P)0 -1	8057.322
18D (3D)E -1	3P (3P)0 -2	8057.214
	3P (3P)0 -1	8057.322
	3P (3P)0 -0	8057.447
19D (3D)E -3	2P (3P)0 -2	3456.790
19D (3D)E -2	2P (3P)0 -2	3456.790
	2P (3P)0 -1	3456.799
19D (3D)E -1	2P (3P)0 -2	3456.790
	2P (3P)0 -0	3456.918
	2P (3P)0 -1	3456.799
19D (3D)E -3	3P (3P)0 -2	8034.757
19D (3D)E -2	3P (3P)0 -2	8034.757
	3P (3P)0 -1	8034.865
19D (3D)E -1	3P (3P)0 -2	8034.757
	3P (3P)0 -1	8034.865
	3P (3P)0 -0	8034.988

Upper State	Lower State	λ
20D (3D)E -3	2P (3P)0 -2	3453.210
20D (3D)E -2	2P (3P)0 -2	3453.210
	2P (3P)0 -1	3453.220
20D (3D)E -1	2P (3P)0 -2	3453.210
	2P (3P)0 -0	3453.338
	2P (3P)0 -1	3453.220
20D (3D)E -3	3P (3P)0 -2	8015.444
20D (3D)E -2	3P (3P)0 -2	8015.444
	3P (3P)0 -1	8015.551
20D (3D)E -1	3P (3P)0 -2	8015.444
	3P (3P)0 -1	8015.551
	3P (3P)0 -0	8015.674
21D (3D)E -3	2P (3P)0 -2	3450.220
21D (3D)E -2	2P (3P)0 -2	3450.220
	2P (3P)0 -1	3450.229
21D (3D)E -1	2P (3P)0 -2	3450.220
	2P (3P)0 -0	3450.348
	2P (3P)0 -1	3450.229
21D (3D)E -3	3P (3P)0 -2	7999.352
21D (3D)E -2	3P (3P)0 -2	7999.352
	3P (3P)0 -1	7999.459
21D (3D)E -1	3P (3P)0 -2	7999.352
	3P (3P)0 -1	7999.459
	3P (3P)0 -0	7999.581
4F (3F)0 -2	2S (3S)E -1	3164.016
5F (3F)0 -2	2S (3S)E -1	2934.668
5F (3F)0 -2	3S (3S)E -1	9356.605
6F (3F)0 -2	2S (3S)E -1	2823.511
6F (3F)0 -2	3S (3S)E -1	8313.215
7F (3F)0 -2	2S (3S)E -1	2760.458
7F (3F)0 -2	3S (3S)E -1	7789.402

HELIUM TRIPLET TRANSITIONS BY MULTIPLETS

Upper State	Lower State	λ
8F (3F)0 -2	2S (3S)E -1	2721.017
8F (3F)0 -2	3S (3S)E -1	7483.343
8F (3F)0 -4	3D (3D)E -3	9526.173
8F (3F)0 -3	3D (3D)E -3	9526.173
	3D (3D)E -2	9526.173
8F (3F)0 -2	3D (3D)E -3	9526.173
	3D (3D)E -2	9526.173
	3D (3D)E -1	9526.173
9F (3F)0 -2	2S (3S)E -1	2694.616
9F (3F)0 -2	3S (3S)E -1	7287.008
9F (3F)0 -4	3D (3D)E -3	9210.279
9F (3F)0 -3	3D (3D)E -3	9210.279
	3D (3D)E -2	9210.279
9F (3F)0 -2	3D (3D)E -3	9210.279
	3D (3D)E -2	9210.279
	3D (3D)E -1	9210.279
10F (3F)0 -2	2S (3S)E -1	2676.032
10F (3F)0 -2	3S (3S)E -1	7152.684
10F (3F)0 -4	3D (3D)E -3	8996.733
10F (3F)0 -3	3D (3D)E -3	8996.733
	3D (3D)E -2	8996.733
10F (3F)0 -2	3D (3D)E -3	8996.733
	3D (3D)E -2	8996.733
	3D (3D)E -1	8996.733
11F (3F)0 -2	2S (3S)E -1	2662.447
11F (3F)0 -2	3S (3S)E -1	7056.457
11F (3F)0 -4	3D (3D)E -3	8845.019
11F (3F)0 -3	3D (3D)E -3	8845.019
	3D (3D)E -2	8845.019
11F (3F)0 -2	3D (3D)E -3	8845.019
	3D (3D)E -2	8845.019
	3D (3D)E -1	8845.019

HELIUM TRIPLET TRANSITIONS BY WAVELENGTHS

λ	Upper State	Lower State	λ	Upper State	Lower State
9702.920	7S (3S)E -1	3P (3P)O -0	9009.193	10P (3P)O -0	3D (3D)E -1
9702.740	7S (3S)E -1	3P (3P)O -1	9009.193	10P (3P)O -1	3D (3D)E -1
9702.583	7S (3S)E -1	3P (3P)O -2	8996.733	10F (3F)O -2	3D (3D)E -2
9552.880	8P (3P)O -0	3D (3D)E -1	8996.733	10F (3F)O -3	3D (3D)E -2
9552.880	8P (3P)O -1	3D (3D)E -1	8996.733	10F (3F)O -2	3D (3D)E -3
9552.880	8P (3P)O -2	3D (3D)E -1	8996.733	10F (3F)O -3	3D (3D)E -3
9552.880	8P (3P)O -1	3D (3D)E -2	8996.733	10F (3F)O -4	3D (3D)E -3
9552.880	8P (3P)O -2	3D (3D)E -2	8996.733	10F (3F)O -2	3D (3D)E -1
9552.880	8P (3P)O -2	3D (3D)E -3	8854.121	11P (3P)O -1	3D (3D)E -2
9526.173	8F (3F)O -2	3D (3D)E -1	8854.121	11P (3P)O -2	3D (3D)E -2
9526.173	8F (3F)O -2	3D (3D)E -2	8854.121	11P (3P)O -2	3D (3D)E -3
9526.173	8F (3F)O -3	3D (3D)E -2	8854.121	11P (3P)O -0	3D (3D)E -1
9526.173	8F (3F)O -2	3D (3D)E -3	8854.121	11P (3P)O -1	3D (3D)E -1
9526.173	8F (3F)O -3	3D (3D)E -3	8854.121	11P (3P)O -2	3D (3D)E -1
9526.173	8F (3F)O -4	3D (3D)E -3	8849.409	9S (3S)E -1	3P (3P)O -0
9516.920	7D (3D)E -1	3P (3P)O -0	8849.259	9S (3S)E -1	3P (3P)O -1
9516.747	7D (3D)E -1	3P (3P)O -1	8849.129	9S (3S)E -1	3P (3P)O -2
9516.747	7D (3D)E -2	3P (3P)O -1	8845.019	11F (3F)O -2	3D (3D)E -2
9516.596	7D (3D)E -1	3P (3P)O -2	8845.019	11F (3F)O -3	3D (3D)E -2
9516.596	7D (3D)E -2	3P (3P)O -2	8845.019	11F (3F)O -2	3D (3D)E -1
9516.596	7D (3D)E -3	3P (3P)O -2	8845.019	11F (3F)O -2	3D (3D)E -3
9463.527	5P (3P)O -0	3S (3S)E -1	8845.019	11F (3F)O -3	3D (3D)E -3
9463.527	5P (3P)O -1	3S (3S)E -1	8845.019	11F (3F)O -4	3D (3D)E -3
9463.527	5P (3P)O -2	3S (3S)E -1	8776.952	9D (3D)E -1	3P (3P)O -0
9356.605	5F (3F)O -2	3S (3S)E -1	8776.804	9D (3D)E -1	3P (3P)O -1
9227.860	9P (3P)O -0	3D (3D)E -1	8776.804	9D (3D)E -2	3P (3P)O -1
9227.860	9P (3P)O -1	3D (3D)E -1	8776.676	9D (3D)E -1	3P (3P)O -2
9227.860	9P (3P)O -2	3D (3D)E -1	8776.676	9D (3D)E -2	3P (3P)O -2
9227.860	9P (3P)O -1	3D (3D)E -2	8776.676	9D (3D)E -3	3P (3P)O -2
9227.860	9P (3P)O -2	3D (3D)E -2	8739.978	12P (3P)O -2	3D (3D)E -1
9227.860	9P (3P)O -2	3D (3D)E -3	8739.978	12P (3P)O -1	3D (3D)E -2
9210.279	9F (3F)O -2	3D (3D)E -1	8739.978	12P (3P)O -2	3D (3D)E -3
9210.279	9F (3F)O -2	3D (3D)E -2	8739.978	12P (3P)O -2	3D (3D)E -2
9210.279	9F (3F)O -3	3D (3D)E -2	8739.978	12P (3P)O -0	3D (3D)E -1
9210.279	9F (3F)O -2	3D (3D)E -3	8739.978	12P (3P)O -1	3D (3D)E -1
9210.279	9F (3F)O -3	3D (3D)E -3	8653.259	13P (3P)O -2	3D (3D)E -3
9210.279	9F (3F)O -4	3D (3D)E -3	8653.259	13P (3P)O -1	3D (3D)E -1
9174.734	8S (3S)E -1	3P (3P)O -0	8653.259	13P (3P)O -2	3D (3D)E -1
9174.573	8S (3S)E -1	3P (3P)O -1	8653.259	13P (3P)O -1	3D (3D)E -2
9174.433	8S (3S)E -1	3P (3P)O -2	8653.259	13P (3P)O -2	3D (3D)E -2
9063.581	8D (3D)E -1	3P (3P)O -0	8653.259	13P (3P)O -0	3D (3D)E -1
9063.424	8D (3D)E -1	3P (3P)O -1	8632.851	10S(3S)E -1	3P (3P)O -0
9063.424	8D (3D)E -2	3P (3P)O -1	8632.708	10S(3S)E -1	3P (3P)O -1
9063.288	8D (3D)E -1	3P (3P)O -2	8632.584	10S(3S)E -1	3P (3P)O -2
9063.288	8D (3D)E -2	3P (3P)O -2	8585.759	14P (3P)O -2	3D (3D)E -1
9063.288	8D (3D)E -3	3P (3P)O -2	8585.759	14P (3P)O -1	3D (3D)E -2
9009.193	10P (3P)O -1	3D (3D)E -2	8585.759	14P (3P)O -1	3D (3D)E -1
9009.193	10P (3P)O -2	3D (3D)E -2	8585.759	14P (3P)O -2	3D (3D)E -2
9009.193	10P (3P)O -2	3D (3D)E -3	8585.759	14P (3P)O -2	3D (3D)E -1
9009.193	10P (3P)O -2	3D (3D)E -1	8585.759	14P (3P)O -0	3D (3D)E -1

HELIUM TRIPLET TRANSITIONS BY WAVELENGTHS

λ	Upper State	Lower State	λ	Upper State	Lower State
8582.793	10D (3D)E -1	3P (3P)O -0	8377.704	20P (3P)O -1	3D (3D)E -1
8582.652	10D (3D)E -1	3P (3P)O -1	8369.819	12S (3S)E -1	3P (3P)O -0
8582.652	10D (3D)E -2	3P (3P)O -1	8369.685	12S (3S)E -1	3P (3P)O -1
8582.530	10D (3D)E -1	3P (3P)O -2	8369.568	12S (3S)E -1	3P (3P)O -2
8582.530	10D (3D)E -2	3P (3P)O -2	8361.615	6P (3P)O -0	3S (3S)E -1
8582.530	10D (3D)E -3	3P (3P)O -2	8361.615	6P (3P)O -1	3S (3S)E -1
8532.115	15P (3P)O -1	3D (3D)E -2	8361.615	6P (3P)O -2	3S (3S)E -1
8532.115	15P (3P)O -2	3D (3D)E -2	8359.658	21P (3P)O -2	3D (3D)E -2
8532.115	15P (3P)O -2	3D (3D)E -3	8359.658	21P (3P)O -2	3D (3D)E -1
8532.115	15P (3P)E -0	3D (3D)E -1	8359.658	21P (3P)O -0	3D (3D)E -1
8532.115	15P (3P)O -1	3D (3D)E -1	8359.658	21P (3P)O -1	3D (3D)E -1
8532.115	15P (3P)O -2	3D (3D)E -1	8359.658	21P (3P)O -1	3D (3D)E -2
8488.763	16P (3P)O -2	3D (3D)E -2	8359.658	21P (3P)O -2	3D (3D)E -3
8488.763	16P (3P)O -1	3D (3D)E -2	8344.084	22P (3P)O -2	3D (3D)E -2
8488.763	16P (3P)O -2	3D (3D)E -3	8344.084	22P (3P)O -1	3D (3D)E -1
8488.763	16P (3P)O -0	3D (3D)E -1	8344.084	22P (3P)O -1	3D (3D)E -2
8488.763	16P (3P)O -1	3D (3D)E -1	8344.084	22P (3P)O -2	3D (3D)E -3
8488.763	16P (3P)O -2	3D (3D)E -1	8344.084	22P (3P)O -2	3D (3D)E -1
8481.039	11S (3S)E -1	3P (3P)O -0	8344.084	22P (3P)E -0	3D (3D)E -1
8480.901	11S (3S)E -1	3P (3P)O -1	8342.593	12D (3D)E -1	3P (3P)O -0
8480.782	11S (3S)E -1	3P (3P)O -2	8342.459	12D (3D)E -1	3P (3P)O -1
8453.189	17P (3P)E -0	3D (3D)E -1	8342.459	12D (3D)E -2	3P (3P)O -1
8453.189	17P (3P)O -2	3D (3D)E -2	8342.344	12D (3D)E -1	3P (3P)O -2
8453.189	17P (3P)O -2	3D (3D)E -3	8342.344	12D (3D)E -2	3P (3P)O -2
8453.189	17P (3P)O -1	3D (3D)E -2	8342.344	12D (3D)E -3	3P (3P)O -2
8453.189	17P (3P)O -1	3D (3D)E -1	8313.215	6F (3F)O -2	3S (3S)E -1
8453.189	17P (3P)O -2	3D (3D)E -1	8285.681	13S (3S)E -1	3P (3P)O -0
8444.716	11D (3D)E -1	3P (3P)O -0	8285.549	13S (3S)E -1	3P (3P)O -1
8444.582	11D (3D)E -1	3P (3P)O -1	8285.435	13S (3S)E -1	3P (3P)O -2
8444.582	11D (3D)E -2	3P (3P)O -1	8264.795	13D (3D)E -1	3P (3P)O -0
8444.464	11D (3D)E -1	3P (3P)O -2	8264.664	13D (3D)E -2	3P (3P)O -1
8444.464	11D (3D)E -2	3P (3P)O -2	8264.[illegible]	13D (3D)E -1	3P (3P)O -1
8444.464	11D (3D)E -3	3P (3P)O -2	8264.552	13D (3D)E -1	3P (3P)O -2
8423.624	18P (3P)O -2	3D (3D)E -1	8264.551	13D (3D)E -2	3P (3P)O -2
8423.624	18P (3P)O -1	3D (3D)E -2	8264.551	13D (3D)E -3	3P (3P)O -2
8423.624	18P (3P)O -2	3D (3D)E -3	8220.175	14S (3S)E -1	3P (3P)O -0
8423.624	18P (3P)O -2	3D (3D)E -2	8220.045	14S (3S)E -1	3P (3P)O -1
8423.624	18P (3P)O -0	3D (3D)E -1	8219.933	14S (3S)E -1	3P (3P)O -2
8423.624	18P (3P)O -1	3D (3D)E -1	8204.114	14D (3D)E -1	3P (3P)O -0
8398.784	19P (3P)O -2	3D (3D)E -1	8203.985	14D (3D)E -1	3P (3P)O -1
8398.784	19P (3P)O -1	3D (3D)E -2	8203.985	14D (3D)E -2	3P (3P)O -1
8398.784	19P (3P)O -2	3D (3D)E -2	8203.873	14D (3D)E -1	3P (3P)O -2
8398.784	19P (3P)O -2	3D (3D)E -3	8203.873	14D (3D)E -2	3P (3P)O -2
8398.784	19P (3P)O -0	3D (3D)E -1	8203.873	14D (3D)E -3	3P (3P)O -2
8398.784	19P (3P)O -1	3D (3D)E -1	8169.459	15S (3S)E -1	3P (3P)O -0
8377.704	20P (3P)O -2	3D (3D)E -2	8169.331	15S (3S)E -1	3P (3P)O -1
8377.704	20P (3P)O -2	3D (3D)E -1	8169.220	15S (3S)E -1	3P (3P)O -2
8377.704	20P (3P)O -0	3D (3D)E -1	8155.849	15D (3D)E -1	3P (3P)O -0
8377.704	20P (3P)O -2	3D (3D)E -3	8155.722	15D (3D)E -1	3P (3P)O -1
8377.704	20P (3P)O -1	3D (3D)E -2	8155.722	15D (3D)E -2	3P (3P)O -1

HELIUM TRIPLET TRANSITIONS BY WAVELENGTHS

λ	Upper State	Lower State	λ	Upper State	Lower State
8155.612	15D (3D)E -3	3P (3P)0 -2	7287.008	9F (3F)0 -2	3S (3S)E -1
8155.612	15D (3D)E -2	3P (3P)0 -2	7160.558	10P (3P)0 -2	3S (3S)E -1
8155.612	15D (3D)E -1	3P (3P)0 -2	7160.558	10P (3P)0 -1	3S (3S)E -1
8116.544	16D (3D)E -1	3P (3P)0 -0	7160.558	10P (3P)0 -2	3S (3S)E -1
8116.418	16D (3D)E -1	3P (3P)0 -1	7152.684	10F (3F)0 -2	3S (3S)E -1
8116.418	16D (3D)E -2	3P (3P)0 -1	7065.746	3S (3S)E -1	2P (3P)0 -0
8116.309	16D (3D)E -3	3P (3P)0 -2	7065.248	3S (3S)E -1	2P (3P)0 -1
8116.309	16D (3D)E -1	3P (3P)0 -2	7065.209	3S (3S)E -1	2P (3P)0 -2
8116.309	16D (3D)E -2	3P (3P)0 -2	7062.249	11P (3P)0 -0	3S (3S)E -1
8084.435	17D (3D)E -1	3P (3P)0 -0	7062.249	11P (3P)0 -1	3S (3S)E -1
8084.310	17D (3D)E -2	3P (3P)0 -1	7062.249	11P (3P)0 -2	3S (3S)E -1
8084.310	17D (3D)E -1	3P (3P)0 -1	7056.457	11F (3F)0 -2	3S (3S)E -1
8084.201	17D (3D)E -1	3P (3P)0 -2	6989.441	12P (3P)0 -1	3S (3S)E -1
8084.201	17D (3D)E -2	3P (3P)0 -2	6989.441	12P (3P)0 -2	3S (3S)E -1
8084.201	17D (3D)E -3	3P (3P)0 -2	6989.441	12P (3P)0 -0	3S (3S)E -1
8057.447	18D (3D)E -1	3P (3P)0 -0	6933.870	13P (3P)0 -0	3S (3S)E -1
8057.322	18D (3D)E -2	3P (3P)0 -1	6933.870	13P (3P)0 -1	3S (3S)E -1
8057.322	18D (3D)E -1	3P (3P)0 -1	6933.870	13P (3P)0 -2	3S (3S)E -1
8057.214	18D (3D)E -2	3P (3P)0 -2	6890.462	14P (3P)0 -1	3S (3S)E -1
8057.214	18D (3D)E -1	3P (3P)0 -2	6890.462	14P (3P)0 -0	3S (3S)E -1
8057.214	18D (3D)E -3	3P (3P)0 -2	6890.462	14P (3P)0 -2	3S (3S)E -1
8034.988	19D (3D)E -1	3P (3P)0 -0	6855.868	15P (3P)0 -1	3S (3S)E -1
8034.865	19D (3D)E -1	3P (3P)0 -1	6855.868	15P (3P)0 -2	3S (3S)E -1
8034.865	19D (3D)E -2	3P (3P)0 -1	6855.868	15P (3P)E -0	3S (3S)E -1
8034.757	19D (3D)E -3	3P (3P)0 -2	6827.849	16P (3P)0 -0	3S (3S)E -1
8034.757	19D (3D)E -2	3P (3P)0 -2	6827.849	16P (3P)0 -1	3S (3S)E -1
8034.757	19D (3D)E -1	3P (3P)0 -2	6827.849	16P (3P)0 -2	3S (3S)E -1
8015.674	20D (3D)E -1	3P (3P)0 -0	6804.815	17P (3P)0 -2	3S (3S)E -1
8015.551	20D (3D)E -1	3P (3P)0 -1	6804.815	17P (3P)E -0	3S (3S)E -1
8015.551	20D (3D)E -2	3P (3P)0 -1	6804.815	17P (3P)0 -1	3S (3S)E -1
8015.444	20D (3D)E -3	3P (3P)0 -2	6785.643	18P (3P)0 -0	3S (3S)E -1
8015.444	20D (3D)E -1	3P (3P)0 -2	6785.643	18P (3P)0 -1	3S (3S)E -1
8015.444	20D (3D)E -2	3P (3P)0 -2	6785.643	18P (3P)0 -2	3S (3S)E -1
7999.581	21D (3D)E -1	3P (3P)0 -0	6769.515	19P (3P)0 -1	3S (3S)E -1
7999.459	21D (3D)E -2	3P (3P)0 -1	6769.515	19P (3P)0 -2	3S (3S)E -1
7999.459	21D (3D)E -1	3P (3P)0 -1	6769.515	19P (3P)0 -0	3S (3S)E -1
7999.352	21D (3D)E -2	3P (3P)0 -2	6755.813	20P (3P)0 -0	3S (3S)E -1
7999.352	21D (3D)E -1	3P (3P)0 -2	6755.813	20P (3P)0 -1	3S (3S)E -1
7999.352	21D (3D)E -3	3P (3P)0 -2	6755.813	20P (3P)0 -2	3S (3S)E -1
7816.070	7P (3P)0 -0	3S (3S)E -1	6744.074	21P (3P)0 -0	3S (3S)E -1
7816.070	7P (3P)0 -1	3S (3S)E -1	6744.074	21P (3P)0 -1	3S (3S)E -1
7816.070	7P (3P)0 -2	3S (3S)E -1	6744.074	21P (3P)0 -2	3S (3S)E -1
7789.402	7F (3F)0 -2	3S (3S)E -1	6733.934	22P (3P)E -0	3S (3S)E -1
7499.814	8P (3P)0 -0	3S (3S)E -1	6733.934	22P (3P)0 -2	3S (3S)E -1
7499.814	8P (3P)0 -1	3S (3S)E -1	6733.934	22P (3P)0 -1	3S (3S)E -1
7499.814	8P (3P)0 -2	3S (3S)E -1	5875.987	3D (3D)E -1	2P (3P)0 -0
7482.343	8F (3F)0 -2	3S (3S)E -1	5875.643	3D (3D)E -1	2P (3P)0 -1
7298.009	9P (3P)0 -0	3S (3S)E -1	5875.643	3D (3D)E -2	2P (3P)0 -1
7298.009	9P (3P)0 -1	3S (3S)E -1	5875.616	3D (3D)E -1	2P (3P)0 -2
7298.009	9P (3P)0 -2	3S (3S)E -1	5875.616	3D (3D)E -2	2P (3P)0 -2

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λ	Upper State	Lower State	λ	Upper State	Lower State
3875.616	3D (3D)E -3	2P (3P)O -2	3599.314	9S (3S)E -1	2P (3P)O -1
4713.382	4S (3S)E -1	2P (3P)O -0	3599.304	9S (3S)E -1	2P (3P)O -2
4713.160	4S (3S)E -1	2P (3P)O -1	3587.397	9D (3D)E -1	2P (3P)O -0
4713.143	4S (3S)E -1	2P (3P)O -2	3587.268	9D (3D)E -1	2P (3P)O -1
4471.693	4D (3D)E -1	2P (3P)O -0	3587.268	9D (3D)E -2	2P (3P)O -1
4471.493	4D (3D)E -1	2P (3P)O -1	3587.258	9D (3D)E -1	2P (3P)O -2
4471.493	4D (3D)E -2	2P (3P)O -1	3587.258	9D (3D)E -2	2P (3P)O -2
4471.478	4D (3D)E -1	2P (3P)O -2	3587.258	9D (3D)E -3	2P (3P)O -2
4471.478	4D (3D)E -2	2P (3P)O -2	3562.086	10S(3S)E -1	2P (3P)O -0
4471.478	4D (3D)E -3	2P (3P)O -2	3562.960	10S(3S)E -1	2P (3P)O -1
4120.999	5S (3S)E -1	2P (3P)O -0	3562.950	10S(3S)E -1	2P (3P)O -2
4120.829	5S (3S)E -1	2P (3P)O -1	3554.530	10D (3D)E -1	2P (3P)O -0
4120.816	5S (3S)E -1	2P (3P)O -2	3554.404	10D (3D)E -2	2P (3P)O -1
4026.367	5D (3D)E -1	2P (3P)O -0	3554.404	10D (3D)E -1	2P (3P)O -1
4026.205	5D (3D)E -1	2P (3P)O -1	3554.394	10D (3D)E -1	2P (3P)O -2
4026.205	5D (3D)E -2	2P (3P)O -1	3554.394	10D (3D)E -2	2P (3P)O -2
4026.193	5D (3D)E -1	2P (3P)O -2	3554.394	10D (3D)E -3	2P (3P)O -2
4026.193	5D (3D)E -2	2P (3P)O -2	3536.954	11S (3S)E -1	2P (3P)O -0
4026.193	5D (3D)E -3	2P (3P)O -2	3536.830	11S (3S)E -1	2P (3P)O -1
3888.651	3P (3P)O -2	2S (3S)E -1	3536.820	11S (3S)E -1	2P (3P)O -2
3888.626	3P (3P)O -1	2S (3S)E -1	3530.621	11D (3D)E -1	2P (3P)O -0
3888.597	3P (3P)O -0	2S (3S)E -1	3530.497	11D (3D)E -1	2P (3P)O -1
3867.638	6S (3S)E -1	2P (3P)O -0	3530.497	11D (3D)E -2	2P (3P)O -1
3867.489	6S (3S)E -1	2P (3P)O -1	3530.487	11D (3D)E -1	2P (3P)O -2
3867.477	6S (3S)E -1	2P (3P)O -2	3530.487	11D (3D)E -2	2P (3P)O -2
3819.771	6D (3D)E -1	2P (3P)O -0	3530.487	11D (3D)E -3	2P (3P)O -2
3819.625	6D (3D)E -1	2P (3P)O -1	3517.461	12S (3S)E -1	2P (3P)O -0
3819.625	6D (3D)E -2	2P (3P)O -1	3517.337	12S (3S)E -1	2P (3P)O -1
3819.614	6D (3D)E -1	2P (3P)O -2	3517.328	12S (3S)E -1	2P (3P)O -2
3819.614	6D (3D)E -2	2P (3P)O -2	3512.643	12D (3D)E -1	2P (3P)O -0
3819.614	6D (3D)E -3	2P (3P)O -2	3512.520	12D (3D)E -1	2P (3P)O -1
3732.011	7S (3S)E -1	2P (3P)O -0	3512.520	12D (3D)E -2	2P (3P)O -1
3732.872	7S (3S)E -1	2P (3P)O -1	3512.510	12D (3D)E -1	2P (3P)O -2
3732.861	7S (3S)E -1	2P (3P)O -2	3512.510	12D (3D)E -2	2P (3P)O -2
3705.150	7D (3D)E -1	2P (3P)O -0	3512.510	12D (3D)E -3	2P (3P)O -2
3705.013	7D (3D)E -1	2P (3P)O -1	3502.513	13S (3S)E -1	2P (3P)O -0
3705.013	7D (3D)E -2	2P (3P)O -1	3502.391	13S (3S)E -1	2P (3P)O -1
3705.002	7D (3D)E -1	2P (3P)O -2	3502.381	13S (3S)E -1	2P (3P)O -2
3705.002	7D (3D)E -2	2P (3P)O -2	3498.775	13D (3D)E -1	2P (3P)O -0
3705.002	7D (3D)E -3	2P (3P)O -2	3498.653	13D (3D)E -1	2P (3P)O -1
3652.118	8S (3S)E -1	2P (3P)O -0	3498.653	13D (3D)E -2	2P (3P)O -1
3651.985	8S (3S)E -1	2P (3P)O -1	3498.644	13D (3D)E -1	2P (3P)O -2
3651.975	8S (3S)E -1	2P (3P)O -2	3498.644	13D (3D)E -2	2P (3P)O -2
3634.375	8D (3D)E -1	2P (3P)O -0	3498.644	13D (3D)E -3	2P (3P)O -2
3634.244	8D (3D)E -2	2P (3P)O -1	3490.754	14S (3S)E -1	2P (3P)O -0
3634.244	8D (3D)E -1	2P (3P)O -1	3490.632	14S (3S)E -1	2P (3P)O -1
3634.233	8D (3D)E -1	2P (3P)O -2	3490.623	14S (3S)E -1	2P (3P)O -2
3634.233	8D (3D)E -2	2P (3P)O -2	3487.854	14D (3D)E -1	2P (3P)O -0
3634.233	8D (3D)E -3	2P (3P)O -2	3487.733	14D (3D)E -1	2P (3P)O -1
3599.443	9S (3S)E -1	2P (3P)O -0	3487.733	14D (3D)E -2	2P (3P)O -1

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λ	Upper State	Lower State
3487.723	14D (3D)E -1	2P (3P)0 -2
3487.723	14D (3D)E -2	2P (3P)0 -2
3487.723	14D (3D)E -3	2P (3P)0 -2
3481.575	15S (3S)E -1	2P (3P)0 -0
3481.454	15S (3S)E -1	2P (3P)0 -1
3481.445	15S (3S)E -1	2P (3P)0 -2
3479.101	15D (3D)E -1	2P (3P)0 -0
3478.980	15D (3D)E -2	2P (3P)0 -1
3478.980	15D (3D)E -1	2P (3P)0 -1
3478.971	15D (3D)E -1	2P (3P)0 -2
3478.971	15D (3D)E -3	2P (3P)0 -2
3478.971	15D (3D)E -2	2P (3P)0 -2
3471.928	16D (3D)E -1	2P (3P)0 -0
3471.808	16D (3D)E -1	2P (3P)0 -1
3471.808	16D (3D)E -2	2P (3P)0 -1
3471.799	16D (3D)E -1	2P (3P)0 -2
3471.799	16D (3D)E -2	2P (3P)0 -2
3471.799	16D (3D)E -3	2P (3P)0 -2
3466.040	17D (3D)E -1	2P (3P)0 -0
3465.920	17D (3D)E -2	2P (3P)0 -1
3465.920	17D (3D)E -1	2P (3P)0 -1
3465.910	17D (3D)E -1	2P (3P)0 -2
3465.910	17D (3D)E -3	2P (3P)0 -2
3465.910	17D (3D)E -2	2P (3P)0 -2
3461.069	18D (3D)E -1	2P (3P)0 -0
3460.950	18D (3D)E -1	2P (3P)0 -1
3460.950	18D (3D)E -2	2P (3P)0 -1
3460.940	18D (3D)E -2	2P (3P)0 -2
3460.940	18D (3D)E -3	2P (3P)0 -2
3460.940	18D (3D)E -1	2P (3P)0 -2
3456.918	19D (3D)E -1	2P (3P)0 -0
3456.799	19D (3D)E -2	2P (3P)0 -1
3456.799	19D (3D)E -1	2P (3P)0 -1
3456.790	19D (3D)E -1	2P (3P)0 -2
3456.790	19D (3D)E -2	2P (3P)0 -2
3456.790	19D (3D)E -3	2P (3P)0 -2
3453.338	20D (3D)E -1	2P (3P)0 -0
3453.220	20D (3D)E -2	2P (3P)0 -1
3453.220	20D (3D)E -1	2P (3P)0 -1
3453.210	20D (3D)E -1	2P (3P)0 -2
3453.210	20D (3D)E -2	2P (3P)0 -2
3453.210	20D (3D)E -3	2P (3P)0 -2
3450.348	21D (3D)E -1	2P (3P)0 -0
3450.229	21D (3D)E -2	2P (3P)0 -1
3450.229	21D (3D)E -1	2P (3P)0 -1
3450.220	21D (3D)E -1	2P (3P)0 -2
3450.220	21D (3D)E -3	2P (3P)0 -2
3450.220	21D (3D)E -2	2P (3P)0 -2
3187.745	4P (3P)0 -0	2S (3S)E -1
3187.745	4P (3P)0 -1	2S (3S)E -1
3187.745	4P (3P)0 -2	2S (3S)E -1
3164.016	4F (3F)0 -2	2S (3S)E -1
2945.105	5P (3P)0 -0	2S (3S)E -1
2945.105	5P (3P)0 -1	2S (3S)E -1
2945.105	5P (3P)0 -2	2S (3S)E -1
2934.668	5F (3F)0 -2	2S (3S)E -1
2829.073	6P (3P)0 -0	2S (3S)E -1
2829.073	6P (3P)0 -1	2S (3S)E -1
2829.073	6P (3P)0 -2	2S (3S)E -1
2823.511	6F (3F)0 -2	2S (3S)E -1

λ	Upper State	Lower State
2763.800	7P (3P)0 -0	2S (3S)E -1
2763.800	7P (3P)0 -1	2S (3S)E -1
2763.800	7P (3P)0 -2	2S (3S)E -1
2760.458	7F (3F)0 -2	2S (3S)E -1
2723.192	8P (3P)0 -0	2S (3S)E -1
2723.192	8P (3P)0 -1	2S (3S)E -1
2723.192	8P (3P)0 -2	2S (3S)E -1
2721.017	8F (3F)0 -2	2S (3S)E -1
2696.119	9P (3P)0 -0	2S (3S)E -1
2696.119	9P (3P)0 -1	2S (3S)E -1
2696.119	9P (3P)0 -2	2S (3S)E -1
2694.616	9F (3F)0 -2	2S (3S)E -1
2677.133	10P (3P)0 -0	2S (3S)E -1
2677.133	10P (3P)0 -1	2S (3S)E -1
2677.133	10P (3P)0 -2	2S (3S)E -1
2676.032	10F (3F)0 -2	2S (3S)E -1
2663.271	11P (3P)0 -0	2S (3S)E -1
2663.271	11P (3P)0 -1	2S (3S)E -1
2663.271	11P (3P)0 -2	2S (3S)E -1
2662.447	11F (3F)0 -2	2S (3S)E -1
2652.849	12P (3P)0 -2	2S (3S)E -1
2652.849	12P (3P)0 -1	2S (3S)E -1
2652.849	12P (3P)0 -0	2S (3S)E -1
2644.803	13P (3P)0 -0	2S (3S)E -1
2644.803	13P (3P)0 -1	2S (3S)E -1
2644.803	13P (3P)0 -2	2S (3S)E -1
2638.463	14P (3P)0 -2	2S (3S)E -1
2638.463	14P (3P)0 -0	2S (3S)E -1
2638.463	14P (3P)0 -1	2S (3S)E -1
2633.374	15P (3P)0 -2	2S (3S)E -1
2633.374	15P (3P)0 -1	2S (3S)E -1
2633.374	15P (3P)E -0	2S (3S)E -1
2629.230	16P (3P)0 -2	2S (3S)E -1
2629.230	16P (3P)0 -1	2S (3S)E -1
2629.230	16P (3P)0 -0	2S (3S)E -1
2625.807	17P (3P)E -0	2S (3S)E -1
2625.807	17P (3P)0 -1	2S (3S)E -1
2625.807	17P (3P)0 -2	2S (3S)E -1
2622.947	18P (3P)0 -2	2S (3S)E -1
2622.947	18P (3P)0 -0	2S (3S)E -1
2622.947	18P (3P)0 -1	2S (3S)E -1
2620.533	19P (3P)0 -2	2S (3S)E -1
2620.533	19P (3P)0 -1	2S (3S)E -1
2620.533	19P (3P)0 -0	2S (3S)E -1
2618.477	20P (3P)0 -2	2S (3S)E -1
2618.477	20P (3P)0 -1	2S (3S)E -1
2618.477	20P (3P)0 -0	2S (3S)E -1
2616.712	21P (3P)0 -0	2S (3S)E -1
2616.712	21P (3P)0 -1	2S (3S)E -1
2616.712	21P (3P)0 -2	2S (3S)E -1
2615.184	22P (3P)E -0	2S (3S)E -1
2615.184	22P (3P)0 -1	2S (3S)E -1
2615.184	22P (3P)0 -2	2S (3S)E -1

NEON TRANSITIONS BY MULTIPLETS

Upper State	Lower State	λ
4S (1.5)0-2	3P (0.5)E-1	9665.424
4S (1.5)0-1	3P (0.5)E-1	9486.681
4S*(0.5)0-0	3P (0.5)E-1	8988.568
4S*(0.5)0-1	3P (0.5)E-1	8865.314
5S (1.5)0-2	3P (0.5)E-1	5689.816
	3P (2.5)E-3	6182.148
	3P (2.5)E-2	6246.728
	3P (1.5)E-1	6364.997
	3P (1.5)E-2	6444.710
	3P*(1.5)E-1	6640.009
	3P*(1.5)E-2	6678.331
	3P*(0.5)E-1	6759.586
5S (1.5)0-1	3P (0.5)E-1	5662.547
	3P (2.5)E-2	6213.876
	3P (1.5)E-1	6330.892
	3P (1.5)E-2	6409.748
	3P (0.5)E-0	6666.890
	3P*(1.5)E-1	6602.902
	3P*(1.5)E-2	6640.796
	3P*(0.5)E-1	6721.134
	3P*(0.5)E-0	7724.624
5S*(0.5)0-0	3P (0.5)E-1	5448.508
	3P (1.5)E-1	6064.535
	3P*(1.5)E-1	6313.687
	3P*(0.5)E-1	6421.704
5S*(0.5)0-1	3P (0.5)E-1	5433.649
	3P (2.5)E-2	5939.316
	3P (1.5)E-1	6046.132
	3P (1.5)E-2	6118.013
	3P (0.5)E-0	6351.854
	3P*(1.5)E-1	6293.743
	3P*(1.5)E-2	6328.163
	3P*(0.5)E-1	6401.073
	3P*(0.5)E-0	7304.841
6S (1.5)0-2	3P (0.5)E-1	4837.312
	3P (2.5)E-3	5188.612
	3P (2.5)E-2	5234.027
	3P (1.5)E-1	5316.804
	3P (1.5)E-2	5372.310
	3P*(1.5)E-1	5507.341
	3P*(1.5)E-2	5533.678
	3P*(0.5)E-1	5589.350
6S (1.5)0-1	3P (0.5)E-1	4827.338
	3P (2.5)E-2	5222.352
	3P (1.5)E-1	5304.757
	3P (1.5)E-2	5360.010
	3P (0.5)E-0	5538.651
	3P*(1.5)E-1	5494.416
	3P*(1.5)E-2	5520.630
	3P*(0.5)E-1	5576.038
	3P*(0.5)E-0	6249.591
6S*(0.5)0-0	3P (0.5)E-1	4661.106
	3P (1.5)E-1	5104.700
	3P*(1.5)E-1	5280.088
	3P*(0.5)E-1	5355.422
6S*(0.5)0-1	3P (0.5)E-1	4656.394
	3P (2.5)E-2	5022.866
	3P (1.5)E-1	5099.049
	3P (1.5)E-2	5150.080
	3P (0.5)E-0	5314.787
	3P*(1.5)E-1	5274.042
	3P*(1.5)E-2	5298.191
	3P*(0.5)E-1	5349.203
	3P*(0.5)E-0	5966.041
7S (1.5)0-2	3P (0.5)E-1	4488.094
	3P (2.5)E-3	4788.926
	3P (2.5)E-2	4827.588
	3P (1.5)E-1	4897.921
	3P (1.5)E-2	4944.987
	3P*(1.5)E-1	5059.164
	3P*(1.5)E-2	5081.380
	3P*(0.5)E-1	5128.285
7S (1.5)0-1	3P (0.5)E-1	4483.195
	3P (2.5)E-2	4821.920
	3P (1.5)E-1	4892.088
	3P (1.5)E-2	4939.042
	3P (0.5)E-0	5090.328
	3P*(1.5)E-1	5052.940
	3P*(1.5)E-2	5075.102
	3P*(0.5)E-1	5121.890
	3P*(0.5)E-0	5684.660
7S*(0.5)0-0	3P (0.5)E-1	4336.222
	3P (1.5)E-1	4717.605
	3P*(1.5)E-1	4867.012
	3P*(0.5)E-1	4930.950
7S*(0.5)0-1	3P (0.5)E-1	4334.124
	3P (2.5)E-2	4649.905
	3P (1.5)E-1	4715.122
	3P (1.5)E-2	4758.725
	3P (0.5)E-0	4899.010
	3P*(1.5)E-1	4864.370
	3P*(1.5)E-2	4884.906
	3P*(0.5)E-1	4928.238
	3P*(0.5)E-0	5447.102
8S (1.5)0-2	3P (0.5)E-1	4306.251
	3P (2.5)E-3	4582.450
	3P (2.5)E-2	4617.838
	3P (1.5)E-1	4682.152
	3P (1.5)E-2	4725.145
	3P*(1.5)E-1	4829.287
	3P*(1.5)E-2	4849.527
	3P*(0.5)E-1	4892.231

NEON TRANSITIONS BY MULTIPLETS

Upper State	Lower State	λ
8S (1.5)0-1	3P (0.5)E-1	4303.254
	3P (2.5)E-2	4614.391
	3P (1.5)E-1	4678.609
	3P (1.5)E-2	4721.536
	3P (0.5)E-0	4859.605
	3P*(1.5)E-1	4825.518
	3P*(1.5)E-2	4845.726
	3P*(0.5)E-1	4888.363
	3P*(0.5)E-0	5398.431
8S*(0.5)0-0	3P (0.5)E-1	4166.093
	3P (1.5)E-1	4516.927
	3P*(1.5)E-1	4653.710
	3P*(0.5)E-1	4712.132
8S*(0.5)0-1	3P (0.5)E-1	4164.807
	3P (2.5)E-2	4455.571
	3P (1.5)E-1	4515.415
	3P (1.5)E-2	4555.387
	3P (0.5)E-0	4683.778
	3P*(1.5)E-1	4652.105
	3P*(1.5)E-2	4670.884
	3P*(0.5)E-1	4710.487
	3P*(0.5)E-0	5182.319
9S (1.5)0-2	3P (0.5)E-1	4198.098
	3P (2.5)E-3	4460.175
	3P (2.5)E-2	4493.693
	3P (1.5)E-1	4554.573
	3P (1.5)E-2	4595.244
	3P*(1.5)E-1	4593.680
	3P*(1.5)E-2	4712.797
	3P*(0.5)E-1	4753.117
9S (1.5)0-1	3P (0.5)E-1	4196.420
	3P (2.5)E-2	4491.771
	3P (1.5)E-1	4552.598
	3P (1.5)E-2	4593.234
	3P (0.5)E-0	4723.798
	3P*(1.5)E-1	4691.583
	3P*(1.5)E-2	4710.683
	3P*(0.5)E-1	4750.967
	3P*(0.5)E-0	5231.356
9S*(0.5)0-0	3P (0.5)E-1	4064.827
	3P (1.5)E-1	4398.131
	3P*(1.5)E-1	4527.711
	3P*(0.5)E-1	4582.994
9S*(0.5)0-1	3P (0.5)E-1	4064.027
	3P (2.5)E-2	4340.423
	3P (1.5)E-1	4397.194
	3P (1.5)E-2	4435.092
	3P (0.5)E-0	4556.701
	3P*(1.5)E-1	4526.718
	3P*(1.5)E-2	4544.496
	3P*(0.5)E-1	4581.977
	3P*(0.5)E-0	5027.199
9S*(0.5)0-0	4P (1.5)E-1	9673.892
9S*(0.5)0-1	4P (1.5)E-1	9669.362

Upper State	Lower State	λ
10S (1.5)0-2	3P (0.5)E-1	4128.076
	3P (2.5)E-3	4381.220
	3P (2.5)E-2	4413.557
	3P (1.5)E-1	4472.271
	3P (1.5)E-2	4511.480
	3P*(1.5)E-1	4606.323
	3P*(1.5)E-2	4624.733
	3P*(0.5)E-1	4663.555
10S (1.5)0-1	3P (0.5)E-1	4126.962
	3P (2.5)E-2	4412.284
	3P (1.5)E-1	4470.964
	3P (1.5)E-2	4510.149
	3P (0.5)E-0	4635.968
	3P*(1.5)E-1	4604.936
	3P*(1.5)E-2	4623.335
	3P*(0.5)E-1	4662.133
	3P*(0.5)E-0	5123.853
10S*(0.5)0-0	3P (0.5)E-1	3999.274
	3P (1.5)E-1	4371.489
	3P*(1.5)E-1	4446.528
	3P*(0.5)E-1	4499.835
10S*(0.5)0-1	3P (0.5)E-1	3998.607
	3P (2.5)E-2	4265.884
	3P (1.5)E-1	4320.710
	3P (1.5)E-2	4357.296
	3P (0.5)E-0	4474.620
	3P*(1.5)E-1	4445.703
	3P*(1.5)E-2	4462.850
	3P*(0.5)E-1	4498.990
	3P*(0.5)E-0	4927.478
10S*(0.5)0-0	4P (1.5)E-1	9310.698
	4P (1.5)E-1	9760.434
10S*(0.5)0-1	4P (1.5)E-1	9307.083
	4P (2.5)E-2	9649.571
	4P (1.5)E-1	9756.462
	4P (1.5)E-2	9781.023
11S (1.5)0-2	3P (0.5)E-1	4080.145
	3P (2.5)E-3	4327.269
	3P (2.5)E-2	4358.812
	3P (1.5)E-1	4416.069
	3P (1.5)E-2	4454.294
	3P*(1.5)E-1	4546.724
	3P*(1.5)E-2	4564.660
	3P*(0.5)E-1	4602.475
11S (1.5)0-1	3P (0.5)E-1	4079.352
	3P (2.5)E-2	4357.907
	3P (1.5)E-1	4415.140
	3P (1.5)E-2	4453.349
	3P (0.5)E-0	4575.976
	3P*(1.5)E-1	4545.739
	3P*(1.5)E-2	4563.668
	3P*(0.5)E-1	4601.466
	3P*(0.5)E-0	5050.669

NEON TRANSITIONS BY MULTIPLETS

Upper State	Lower State	λ
11S*(0.5)0-0	3P (0.5)E-1	3954.229
	3P (1.5)E-1	4268.941
	3P*(1.5)E-1	4390.914
	3P*(0.5)E-1	4442.888
11S*(0.5)0-1	3P (0.5)E-1	3953.716
	3P (2.5)E-2	4214.829
	3P (1.5)E-1	4268.243
	3P (1.5)E-2	4304.049
	3P (0.5)E-1	4418.479
	3P*(1.5)E-1	4390.282
	3P*(1.5)E-2	4407.093
	3P*(0.5)E-1	4442.241
	3P*(0.5)E-0	4859.485
11S (1.5)0-2	4P (1.5)E-1	9761.102
11S (1.5)0-1	4P (1.5)E-1	9756.566
11S*(0.5)0-0	4P (1.5)E-1	9070.153
	4P (1.5)E-1	9496.419
11S*(0.5)0-1	4P (1.5)E-1	9067.455
	4P (2.5)E-2	9392.227
	4P (1.5)E-1	9493.462
	4P (1.5)E-2	9516.715
	4P (0.5)E-0	9857.290
12S (1.5)0-2	3P (0.5)E-1	4045.681
	3P (2.5)E-3	4288.524
	3P (2.5)E-2	4319.503
	3P (1.5)E-1	4375.725
	3P (1.5)E-2	4413.252
	3P*(1.5)E-1	4505.969
	3P*(1.5)E-2	4521.568
	3P*(0.5)E-1	4558.670
12S (1.5)0-1	3P (0.5)E-1	4045.054
	3P (2.5)E-2	4318.788
	3P (1.5)E-1	4374.992
	3P (1.5)E-2	4412.506
	3P (0.5)E-0	4532.863
	3P*(1.5)E-1	4503.191
	3P*(1.5)E-2	4520.785
	3P*(0.5)E-1	4557.874
	3P*(0.5)E-0	4998.199
12S (1.5)0-2	4P (1.5)E-1	9566.152
	4P (2.5)E-3	9861.346
	4P (2.5)E-2	9928.343
12S (1.5)0-1	4P (1.5)E-1	9562.648
	4P (2.5)E-2	9924.568

Upper State	Lower State	
13S (1.5)0-2	3P (0.5)E-1	4020.056
	3P (2.5)E-3	4259.742
	3P (2.5)E-2	4290.304
	3P (1.5)E-1	4345.764
	3P (1.5)E-2	4382.777
	3P*(1.5)E-1	4472.232
	3P*(1.5)E-2	4489.585
	3P*(0.5)E-1	4526.161
13S (1.5)0-1	3P (0.5)E-1	4019.613
	3P (2.5)E-2	4289.800
	3P (1.5)E-1	4345.247
	3P (1.5)E-2	4382.250
	3P (0.5)E-0	4500.941
	3P*(1.5)E-1	4471.684
	3P*(1.5)E-2	4489.032
	3P*(0.5)E-1	4525.599
	3P*(0.5)E-0	4959.415
13S (1.5)0-2	4P (1.5)E-1	9424.114
	4P (2.5)E-3	9710.476
	4P (2.5)E-2	9775.432
	4P (1.5)E-1	9885.145
	4P (1.5)E-2	9910.359
13S (1.5)0-1	4P (1.5)E-1	9421.680
	4P (2.5)E-2	9772.813
	4P (1.5)E-1	9882.467
	4P (1.5)E-2	9907.667
3P (0.5)E-1	3S (1.5)0-2	7032.413
	3S (1.5)0-1	7245.166
	3S*(0.5)0-0	7438.899
	3S*(0.5)0-1	8082.459
3P (2.5)E-3	3S (1.5)0-2	6402.246
3P (2.5)E-2	3S (1.5)0-2	6334.427
	3S (1.5)0-1	6506.527
	3S*(0.5)0-1	7173.938
3P (1.5)E-1	3S (1.5)0-2	6217.281
	3S (1.5)0-1	6382.992
	3S*(0.5)0-0	6532.882
	3S*(0.5)0-1	7024.051
3P (1.5)E-2	3S (1.5)0-2	6143.063
	3S (1.5)0-1	6304.789
	3S*(0.5)0-1	6929.468
3P (0.5)E-0	3S (1.5)0-1	6074.338
	3S*(0.5)0-1	6652.093
3P*(1.5)E-1	3S (1.5)0-2	5975.534
	3S (1.5)0-1	6128.450
	3S*(0.5)0-0	6266.495
	3S*(0.5)0-1	6717.043
3P*(1.5)E-2	3S (1.5)0-2	5944.834
	3S (1.5)0-1	6096.163
	3S*(0.5)0-1	6678.276

NEON TRANSITIONS BY MULTIPLETS

Upper State	Lower State	λ
3P*(0.5)E-1	3S (1.5)0-2	5881.896
	3S (1.5)0-1	6029.997
	3S*(0.5)0-0	6163.595
	3S*(0.5)0-1	6598.954
3P*(1.5)E-0	3S (1.5)0-1	5400.562
	3S*(0.5)0-1	5852.488
4P (1.5)E-1	3S (1.5)0-2	3510.721
	3S (1.5)0-1	3562.954
	3S*(0.5)0-0	3609.180
	3S*(0.5)0-1	3754.216
4P (2.5)E-3	3S (1.5)0-2	3472.571
4P (2.5)E-2	3S (1.5)0-2	3464.339
	3S (1.5)0-1	3515.191
	3S*(0.5)0-1	3701.225
4P (1.5)E-1	3S (1.5)0-2	3450.765
	3S (1.5)0-1	3501.217
	3S*(0.5)0-0	3545.844
	3S*(0.5)0-1	3685.736
4P (1.5)E-2	3S (1.5)0-2	3447.703
	3S (1.5)0-1	3498.064
	3S*(0.5)0-1	3682.243
4P (0.5)E-0	3S (1.5)0-1	3454.195
	3S*(0.5)0-1	3633.665
4P*(1.5)E-1	3S (1.5)0-2	3375.649
	3S (1.5)0-1	3423.913
	3S*(0.5)0-0	346 579
	3S*(0.5)0-1	3600.169
4P*(1.5)E-2	3S (1.5)0-2	3369.808
	3S (1.5)0-1	3417.904
	3S*(0.5)0-1	3593.526
4P*(0.5)E-1	3S (1.5)0-2	3369.908
	3S (1.5)0-1	3418.006
	3S*(0.5)0-0	3460.525
	3S*(0.5)0-1	3593.640
4P*(0.5)E-0	3S (1.5)0-1	3351.749
	3S*(0.5)0-1	3520.472
5P (0.5)E-1	3S (1.5)0-2	2992.456
	3S (1.5)0-1	3030.324
	3S*(0.5)0-0	3063.697
	3S*(0.5)0-1	3167.577
5P (2.5)E-3	3S (1.5)0-2	2982.671
5P (2.5)E-2	3S (1.5)0-2	2979.813
	3S (1.5)0-1	3017.359
	3S*(0.5)0-1	3153.414

Upper State	Lower State	λ
5P (1.5)E-1	3S (1.5)0-2	2975.525
	3S (1.5)0-1	3012.962
	3S*(0.5)0-0	3045.952
	3S*(0.5)0-1	3148.612
5P (1.5)E-2	3S (1.5)0-2	2974.722
	3S (1.5)0-1	3012.159
	3S*(0.5)0-1	3147.713
5P (0.5)E-0	3S (1.5)0-1	2992.431
	3S*(0.5)0-1	3126.198
5P*(1.5)E-1	3S (1.5)0-2	2913.441
	3S (1.5)0-1	2949.323
	3S*(0.5)0-0	2980.928
	3S*(0.5)0-1	3079.181
5P*(1.5)E-2	3S (1.5)0-2	2911.468
	3S (1.5)0-1	2947.302
	3S*(0.5)0-1	3076.977
5P*(0.5)E-1	3S (1.5)0-2	2913.176
	3S (1.5)0-1	2949.051
	3S*(0.5)0-0	2980.649
	3S*(0.5)0-1	3078.884
5P*(0.5)E-0	3S (1.5)0-1	2929.326
	3S*(0.5)0-1	3057.390
6P (0.5)E-1	3S (1.5)0-2	2799.801
	3S (1.5)0-1	2832.923
	3S*(0.5)0-0	2862.070
	3S*(0.5)0-1	2952.526
6P (2.5)E-3	3S (1.5)0-2	2795.961
6P (2.5)E-2	3S (1.5)0-2	2794.597
	3S (1.5)0-1	2827.595
	3S*(0.5)0-1	2946.739
6P (1.5)E-1	3S (1.5)0-2	2792.657
	3S (1.5)0-1	2825.609
	3S*(0.5)0-0	2854.605
	3S*(0.5)0-1	2944.582
6P (1.5)E-2	3S (1.5)0-2	2792.319
	3S (1.5)0-1	2825.263
	3S*(0.5)0-1	2944.206
6P (0.5)E-0	3S (1.5)0-1	2814.690
	3S*(0.5)0-1	2932.726
6P*(1.5)E-1	3S (1.5)0-2	2735.683
	3S (1.5)0-1	2767.297
	3S*(0.5)0-0	2795.102
	3S*(0.5)0-1	2881.311
6P*(1.5)E-2	3S (1.5)0-2	2734.766
	3S (1.5)0-1	2766.359
	3S*(0.5)0-1	2880.294

Upper State	Lower State	λ
6P*(0.5)E-1	3S (1.5)0-2	2736.176
	3S (1.5)0-1	2767.802
	3S*(0.5)0-0	2795.617
	3S*(0.5)0-1	2981.859
6P*(0.5)E-0	3S (1.5)0-1	2759.323
	3S*(0.5)0-1	2872.669
6P (0.5)E-1	4S (1.5)0-2	8968.533
	4S (1.5)0-1	9128.120
	4S*(0.5)0-0	9642.262
	4S*(0.5)0-1	9798.244
6P (2.5)E-3	4S (1.5)0-2	8929.249
6P (2.5)E-2	4S (1.5)0-2	8915.354
	4S (1.5)0-1	9073.037
	4S*(0.5)0-1	9724.935
6P (1.5)E-1	4S (1.5)0-2	8895.641
	4S (1.5)0-1	9052.622
	4S*(0.5)0-0	9558.059
	4S*(0.5)0-1	9701.483
6P (1.5)E-2	4S (1.5)0-2	8892.208
	4S (1.5)0-1	9049.066
	4S*(0.5)0-1	9697.400
6P (0.5)E-0	4S (1.5)0-1	8941.495
	4S*(0.5)0-1	9573.968
6P*(1.5)E-1	4S (1.5)0-2	8342.261
	4S (1.5)0-1	8480.167
	4S*(0.5)0-0	8922.141
	4S*(0.5)0-1	9046.991
6P*(1.5)E-2	4S (1.5)0-2	8333.742
	4S (1.5)0-1	8471.364
	4S*(0.5)0-1	9036.973
6P*(0.5)E-1	4S (1.5)0-2	8346.851
	4S (1.5)0-1	8494.910
	4S*(0.5)0-0	8927.391
	4S*(0.5)0-1	9052.389
6P*(0.5)E-0	4S (1.5)0-1	8405.741
	4S*(0.5)0-1	8962.333
7P (0.5)E-1	3S (1.5)0-2	2704.277
	3S (1.5)0-1	2735.165
	3S*(0.5)0-0	2762.325
	3S*(0.5)0-1	2846.494
7P (2.5)E-3	3S (1.5)0-2	2702.559
7P (2.5)E-2	3S (1.5)0-2	2701.767
	3S (1.5)0-1	2732.597
	3S*(0.5)0-1	2843.713
7P (1.5)E-1	3S (1.5)0-2	2700.722
	3S (1.5)0-1	2731.529
	3S*(0.5)0-0	2758.616
	3S*(0.5)0-1	2842.556

Upper State	Lower State	λ
7P (1.5)E-2	3S (1.5)0-2	2700.560
	3S (1.5)0-1	2731.363
	3S*(0.5)0-1	2842.377
7P (0.5)E-0	3S (1.5)0-1	2724.764
	3S*(0.5)0-1	2835.232
7P*(1.5)E-1	3S (1.5)0-2	2646.087
	3S (1.5)0-1	2675.653
	3S*(0.5)0-0	2701.639
	3S*(0.5)0-1	2782.097
7P*(1.5)E-2	3S (1.5)0-2	2645.681
	3S (1.5)0-1	2675.238
	3S*(0.5)0-1	2781.648
7P*(0.5)E-1	3S (1.5)0-2	2645.492
	3S (1.5)0-1	2675.045
	3S*(0.5)0-0	2701.019
	3S*(0.5)0-1	2781.439
7P*(0.5)E-0	3S (1.5)0-1	2669.133
	3S*(0.5)0-1	2775.049
7P (0.5)E-1	4S (1.5)0-2	8056.948
	4S (1.5)0-1	8185.510
	4S*(0.5)0-0	8596.559
	4S*(0.5)0-1	8712.405
7P (2.5)E-3	4S (1.5)0-2	8041.724
7P (2.5)E-2	4S (1.5)0-2	8034.712
	4S (1.5)0-1	8162.559
	4S*(0.5)0-1	8686.409
7P (1.5)E-1	4S (1.5)0-2	8025.482
	4S (1.5)0-1	8153.033
	4S*(0.5)0-0	8560.746
	4S*(0.5)0-1	8675.622
7P (1.5)E-2	4S (1.5)0-2	8024.053
	4S (1.5)0-1	8151.558
	4S*(0.5)0-1	8673.952
7P (0.5)E-0	4S (1.5)0-1	8093.071
	4S*(0.5)0-1	8607.759
7P*(1.5)E-1	4S (1.5)0-2	7561.572
	4S (1.5)0-1	7674.700
	4S*(0.5)0-0	8034.919
	4S*(0.5)0-1	8136.033
7P*(1.5)E-2	4S (1.5)0-2	7558.256
	4S (1.5)0-1	7671.284
	4S*(0.5)0-1	8132.194
7P*(0.5)E-1	4S (1.5)0-2	7556.714
	4S (1.5)0-1	7669.695
	4S*(0.5)0-0	8029.433
	4S*(0.5)0-1	8130.409
7P*(0.5)E-0	4S (1.5)0-1	7621.305
	4S*(0.5)0-1	8076.051

NEON TRANSITIONS BY MULTIPLETS

Upper State	Lower State	λ
7P*(1.5)E-1	3D (0.5)0-0	9694.211
	3D (0.5)0-1	9707.903
	3D (1.5)0-2	9786.867
	3D (1.5)0-1	9815.075
	3D (2.5)0-2	9876.208
7P*(1.5)E-2	3D (0.5)0-1	9702.438
	3D (3.5)0-3	9766.842
	3D (1.5)0-2	9781.312
	3D (1.5)0-1	9809.488
	3D (2.5)0-2	9870.547
	3D (2.5)0-3	9872.290
7P*(0.5)E-1	3D (0.5)0-0	9686.227
	3D (0.5)0-1	9699.897
	3D (1.5)0-2	9778.730
	3D (1.5)0-1	9806.891
	3D (2.5)0-2	9867.917
7P*(0.5)E-0	3D (0.5)0-1	9622.627
	3D (1.5)0-1	9727.914
8P (0.5)E-1	3S (1.5)0-2	2651.000
	3S (1.5)0-1	2680.676
	3S*(0.5)0-0	2706.760
	3S*(0.5)0-1	2787.528
8P (2.5)E-3	3S (1.5)0-2	2648.555
8P (2.5)E-2	3S (1.5)0-2	2648.225
	3S (1.5)0-1	2677.839
	3S*(0.5)0-1	2784.461
8P (1.5)E-1	3S (1.5)0-2	2647.762
	3S (1.5)0-1	2677.366
	3S*(0.5)0-0	2703.385
	3S*(0.5)0-1	2783.949
8P (1.5)E-2	3S (1.5)0-2	2647.426
	3S (1.5)0-1	2677.022
	3S*(0.5)0-1	2783.577
8P (0.5)E-0	3S (1.5)0-1	2675.023
	3S*(0.5)0-1	2781.416
8P*(1.5)E-2	3S (1.5)0-2	2594.497
	3S (1.5)0-1	2622.915
	3S*(0.5)0-1	2725.124
8P*(0.5)E-1	3S (1.5)0-2	2595.211
	3S (1.5)0-1	2623.645
	3S*(0.5)0-0	2648.626
	3S*(0.5)0-1	2725.912
8P*(0.5)E-0	3S (1.5)0-1	2621.106
	3S*(0.5)0-1	2723.172
8P (0.5)E-1	4S (1.5)0-2	7601.821
	4S (1.5)0-1	7716.165
	4S*(0.5)0-0	8080.379
	4S*(0.5)0-1	8182.648
8P (2.5)E-3	4S (1.5)0-2	7581.758
8P (2.5)E-2	4S (1.5)0-2	7579.057
	4S (1.5)0-1	7692.712
	4S*(0.5)0-1	8156.278
8P (1.5)E-1	4S (1.5)0-2	7575.265
	4S (1.5)0-1	7688.806
	4S*(0.5)0-0	8050.382
	4S*(0.5)0-1	8151.888
8P (1.5)E-2	4S (1.5)0-2	7572.512
	4S (1.5)0-1	7685.969
	4S*(0.5)0-1	8148.699
8P (0.5)E-0	4S (1.5)0-1	7569.518
	4S*(0.5)0-1	8130.210
8P*(1.5)E-2	4S (1.5)0-2	7155.034
	4S (1.5)0-1	7256.243
	4S*(0.5)0-1	7667.293
8P*(0.5)E-1	4S (1.5)0-2	7160.466
	4S (1.5)0-1	7261.830
	4S*(0.5)0-0	7583.522
	4S*(0.5)0-1	7673.531
8P*(0.5)E-0	4S (1.5)0-1	7242.418
	4S*(0.5)0-1	7651.859
8P (0.5)E-1	3D (0.5)0-0	9760.463
	3D (0.5)0-1	9774.343
	3D (1.5)0-2	9854.396
	3D (1.5)0-1	9882.995
	3D (2.5)0-2	9944.975
8P (2.5)E-3	3D (3.5)0-4	9804.417
	3D (3.5)0-3	9806.121
	3D (1.5)0-2	9820.707
	3D (2.5)0-2	9910.665
	3D (2.5)0-3	9912.424
8P (2.5)E-2	3D (0.5)0-1	9736.741
	3D (3.5)0-3	9801.603
	3D (1.5)0-2	9816.176
	3D (1.5)0-1	9844.554
	3D (2.5)0-2	9906.051
	3D (2.5)0-3	9907.807
8P (1.5)E-1	3D (0.5)0-0	9716.729
	3D (0.5)0-1	9730.484
	3D (1.5)0-2	9809.817
	3D (1.5)0-1	9838.158
	3D (2.5)0-2	9899.575
8P (1.5)E-2	3D (0.5)0-1	9725.942
	3D (3.5)0-3	9790.659
	3D (1.5)0-2	9805.200
	3D (1.5)0-1	9833.514
	3D (2.5)0-2	9894.873
	3D (2.5)0-3	9896.626

NEON TRANSITIONS BY MULTIPLETS

Upper State	Lower State	λ
8P (1.5)E-0	3D (0.5)0-1	9699.614
	3D (1.5)0-1	9836.602
8P*(1.5)E-2	3D (0.5)0-1	9047.895
	3D (3.5)0-3	9103.877
	3D (1.5)0-2	9116.448
	3D (1.5)0-1	9140.920
	3D (2.5)0-2	9193.916
	3D (2.5)0-3	9195.429
	3D*(2.5)0-2	9835.194
	3D*(2.5)0-3	9836.667
	3D*(1.5)0-2	9846.165
	3D*(1.5)0-1	9861.413
8P*(0.5)E-1	3D (2.5)0-3	9044.665
	3D (0.5)0-1	9056.583
	3D (1.5)0-2	9125.269
	3D (1.5)0-1	9149.787
	3D (2.5)0-2	9202.887
	3D*(2.5)0-2	9845.461
	3D*(1.5)0-2	9856.455
	3D*(1.5)0-1	9871.734
8P*(0.5)E-0	3D (0.5)0-1	9026.411
	3D (1.5)0-1	9118.992
	3D*(1.5)0-1	9835.897
9P (0.5)E-1	3S (1.5)0-2	2615.199
	3S (1.5)0-1	2644.075
	3S*(0.5)0-1	2669.448
	3S*(0.5)0-1	2747.972
9P (2.5)E-3	3S (1.5)0-2	2614.255
9P (2.5)E-2	3S (1.5)0-2	2613.941
	3S (1.5)0-1	2642.789
	3S*(0.5)0-1	2746.583
9P (1.5)E-1	3S (1.5)0-2	2613.626
	3S (1.5)0-1	2642.467
	3S*(0.5)0-0	2667.810
	3S*(0.5)0-1	2746.236
9P (1.5)E-2	3S (1.5)0-2	2613.626
	3S (1.5)0-1	2642.467
	3S*(0.5)0-1	2746.236
9P (0.5)E-0	3S (1.5)0-1	2639.962
	3S*(0.5)0-1	2743.530
9P*(1.5)E-2	3S (1.5)0-2	2561.784
	3S (1.5)0-1	2589.486
	3S*(0.5)0-1	2689.058
9P*(0.5)E-0	3S (1.5)0-1	2587.348
	3S*(0.5)0-1	2686.752
9P (1.5)E-1	4S (1.5)0-2	7314.706
	4S (1.5)0-1	7420.516
	4S*(0.5)0-0	7756.747
	4S*(0.5)0-1	7850.940
9P (2.5)E-3	4S (1.5)0-2	7307.329
9P (2.5)E-2	4S (1.5)0-2	7304.872
	4S (1.5)0-1	7410.395
	4S*(0.5)0-1	7839.612
9P (1.5)E-1	4S (1.5)0-2	7302.417
	4S (1.5)0-1	7407.870
	4S*(0.5)0-0	7742.930
	4S*(0.5)0-1	7836.785
9P (1.5)E-2	4S (1.5)0-2	7302.417
	4S (1.5)0-1	7407.870
	4S*(0.5)0-1	7836.785
9P (0.5)E-0	4S (1.5)0-1	7388.215
	4S*(0.5)0-1	7814.793
9P*(1.5)E-2	4S (1.5)0-2	6911.656
	4S (1.5)0-1	7006.052
	4S*(0.5)0-1	7388.498
9P*(0.5)E-0	4S (1.5)0-1	6990.424
	4S*(0.5)0-1	7371.120
9P (0.5)E-1	3D (2.5)0-3	9292.161
	3D (0.5)0-1	9304.740
	3D (1.5)0-2	9377.257
	3D (1.5)0-1	9403.150
	3D (2.5)0-2	9459.240
9P (2.5)E-3	3D (3.5)0-4	9350.320
	3D (3.5)0-3	9351.870
	3D (1.5)0-2	9365.135
	3D (2.5)0-2	9446.906
	3D (2.5)0-3	9448.504
9P (2.5)E-2	3D (0.5)0-1	9288.832
	3D (3.5)0-3	9347.846
	3D (1.5)0-2	9361.100
	3D (1.5)0-1	9386.904
	3D (2.5)0-2	9442.800
	3D (2.5)0-3	9444.396
9P (1.5)E-1	3D (0.5)0-0	9272.339
	3D (0.5)0-1	9284.864
	3D (1.5)0-2	9357.070
	3D (1.5)0-1	9382.852
	3D (2.5)0-2	9438.700
9P (1.5)E-2	3D (0.5)0-1	9284.864
	3D (3.5)0-3	9343.827
	3D (1.5)0-2	9357.070
	3D (1.5)0-1	9382.852
	3D (2.5)0-2	9438.700
	3D (2.5)0-3	9440.294
9P (0.5)E-0	3D (0.5)0-1	9274.009
	3D (1.5)0-1	9381.344

NEON TRANSITIONS BY MULTIPLETS

Upper State	Lower State	λ
9P*(1.5)E-2	3D (0.5)0-1	8662.185
	3D (3.5)0-3	8713.483
	3D (1.5)0-2	8724.998
	3D (1.5)0-1	8747.410
	3D (2.5)0-2	8795.930
	3D (2.5)0-3	8797.315
	3D*(2.5)0-2	9381.124
	3D*(2.5)0-3	9382.463
	3D*(1.5)0-2	9391.105
	3D*(1.5)0-1	9404.975
9P*(0.5)E-0	3D (0.5)0-1	8638.308
	3D (1.5)0-1	8723.062
	3D*(1.5)0-1	9376.834
10P (0.5)E-1	3S (1.5)0-2	2591.430
	3S (1.5)0-1	2619.780
	3S*(0.5)0-0	2644.687
	3S*(0.5)0-1	2721.741
10P (2.5)E-3	3S (1.5)0-2	2591.148
10P (1.5)E-1	3S (1.5)0-2	2590.678
	3S (1.5)0-1	2619.012
	3S*(0.5)0-0	2643.904
	3S*(0.5)0-1	2720.911
10P (1.5)E-2	3S (1.5)0-2	2590.678
	3S (1.5)0-1	2619.012
	3S*(0.5)0-1	2720.911
10P (0.5)E-0	3S (1.5)0-1	2616.619
	3S*(0.5)0-1	2718.329
10P (0.5)E-1	4S (1.5)0-2	7131.759
	4S (1.5)0-1	7232.306
	4S*(0.5)0-0	7551.331
	4S*(0.5)0-1	7640.572
10P (2.5)E-3	4S (1.5)0-2	7129.623
10P (1.5)E-1	4S (1.5)0-2	7126.065
	4S (1.5)0-1	7226.451
	4S*(0.5)0-0	7544.948
	4S*(0.5)0-1	7634.038
10P (1.5)E-2	4S (1.5)0-2	7126.065
	4S (1.5)0-1	7226.451
	4S*(0.5)0-1	7634.038
10P (0.5)E-0	4S (1.5)0-1	7208.266
	4S*(0.5)0-1	7613.747

Upper State	Lower State	λ
10P (0.5)E-1	3D (0.5)0-0	8998.911
	3D (0.5)0-1	9010.708
	3D (1.5)0-2	9078.697
	3D (1.5)0-1	9102.966
	3D (2.5)0-2	9155.522
	3D*(2.5)0-2	9791.270
	3D*(1.5)0-2	9802.144
	3D*(1.5)0-1	9817.255
10P (2.5)E-3	3D (3.5)0-4	9061.324
	3D (3.5)0-3	9062.779
	3D (1.5)0-2	9075.237
	3D (2.5)0-2	9152.003
	3D (2.5)0-3	9153.501
	3D*(2.5)0-2	9787.245
	3D*(2.5)0-3	9788.703
	3D*(1.5)0-2	9798.109
10P (1.5)E-1	3D (0.5)0-0	8989.848
	3D (0.5)0-1	9001.622
	3D (1.5)0-2	9069.473
	3D (1.5)0-1	9093.693
	3D (2.5)0-2	9146.141
	3D*(2.5)0-2	9780.542
	3D*(1.5)0-2	9791.392
	3D*(1.5)0-1	9806.470
10P (1.5)E-2	3D (0.5)0-1	9001.622
	3D (3.5)0-3	9057.031
	3D (1.5)0-2	9069.473
	3D (1.5)0-1	9093.693
	3D (2.5)0-2	9146.141
	3D (2.5)0-3	9147.639
	3D*(2.5)0-2	9780.542
	3D*(2.5)0-3	9781.998
	3D*(1.5)0-2	9791.392
	3D*(1.5)0-1	9806.470
10P (0.5)E-0	3D (0.5)0-1	8973.423
	3D (1.5)0-1	9064.915
	3D*(1.5)0-1	9773.013
11P (1.5)E-1	3S (1.5)0-2	2574.551
	3S (1.5)0-1	2602.531
	3S*(0.5)0-0	2627.110
	3S*(0.5)0-1	2703.128
11P (1.5)E-2	3S (1.5)0-2	2574.551
	3S (1.5)0-1	2602.531
	3S*(0.5)0-1	2703.128
11P (1.5)E-1	4S (1.5)0-2	7005.373
	4S (1.5)0-1	7102.363
	4S*(0.5)0-0	7409.784
	4S*(0.5)0-1	7495.692
11P (1.5)E-2	4S (1.5)0-2	7005.373
	4S (1.5)0-1	7102.363
	4S*(0.5)0-1	7495.692

NEON TRANSITIONS BY MULTIPLETS

Upper State	Lower State	λ
11P (1.5)E-1	3D (0.5)0-1	8798.614
	3D (3.5)0-1	8809.891
	3D (1.5)0-2	8874.873
	3D (1.5)0-1	8898.063
	3D (2.5)0-2	8948.273
	3D*(2.5)0-2	9554.612
	3D*(1.5)0-2	9564.965
	3D*(1.5)0-1	9579.354
11P (1.5)E-2	3D (0.5)0-1	8809.891
	3D (3.5)0-3	8852.950
	3D (1.5)0-2	8874.873
	3D (1.5)0-1	8898.063
	3D (2.5)0-2	8948.273
	3D (2.5)0-3	8949.706
	3D*(2.5)0-2	9554.612
	3D*(2.5)0-3	9556.001
	3D*(1.5)0-2	9564.965
	3D*(1.5)0-1	9579.354
3D (0.5)0-0	3P (0.5)E-1	7544.046
	3P (1.5)E-1	8778.735
	3P*(1.5)E-1	9310.588
	3P*(0.5)E-1	9547.408
3D (0.5)0-1	3P (0.5)E-1	7535.775
	3P (2.5)E-2	8544.699
	3P (1.5)E-1	8767.537
	3P (1.5)E-2	8919.502
	3P (0.5)E-0	9425.381
	3P*(1.5)E-1	9297.993
	3P*(1.5)E-2	9373.311
	3P*(0.5)E-1	9534.165
3D (3.5)0-4	3P (2.5)E-3	8377.607
3D (3.5)0-3	3P (2.5)E-3	8376.363
	3P (2.5)E-2	8495.362
	3P (1.5)E-2	8865.758
	3P*(1.5)E-2	9313.976
3D (1.5)0-2	3P (0.5)E-1	7486.872
	3P (2.5)E-3	8365.749
	3P (2.5)E-2	8484.446
	3P (1.5)E-1	8704.113
	3P (1.5)E-2	8853.868
	3P*(1.5)E-1	9226.692
	3P*(1.5)E-2	9300.855
	3P*(0.5)E-1	9459.211
3D (1.5)0-1	3P (0.5)E-1	7472.439
	3P (2.5)E-2	8463.359
	3P (1.5)E-1	8681.921
	3P (1.5)E-2	8830.908
	3P (0.5)E-0	9326.508
	3P*(1.5)E-1	9201.760
	3P*(1.5)E-2	9275.521
	3P*(0.5)E-1	9433.008

Upper State	Lower State	λ
3D (2.5)0-2	3P (0.5)E-1	7437.392
	3P (2.5)E-3	8301.560
	3P (2.5)E-2	8418.430
	3P (1.5)E-1	8634.648
	3P (1.5)E-2	8782.002
	3P*(1.5)E-1	9148.674
	3P*(1.5)E-2	9221.582
	3P*(0.5)E-1	9377.228
3D (2.5)0-3	3P (2.5)E-3	8300.327
	3P (2.5)E-2	8417.161
	3P (1.5)E-2	8780.622
	3P*(1.5)E-2	9220.061
3D*(2.5)0-2	3P (0.5)E-1	7364.759
	3P (2.5)E-3	7839.989
	3P (2.5)E-2	7944.142
	3P (1.5)E-1	8136.405
	3P (1.5)E-2	8267.116
	3P*(1.5)E-1	8591.259
	3P*(1.5)E-2	8655.523
	3P*(0.5)E-1	8792.505
3D*(2.5)0-3	3P (2.5)E-3	7839.054
	3P (2.5)E-2	7943.182
	3P (1.5)E-2	8266.076
	3P*(1.5)E-2	8654.383
3D*(1.5)0-2	3P (0.5)E-1	7359.108
	3P (2.5)E-3	7833.031
	3P (2.5)E-2	7936.999
	3P (1.5)E-1	8128.912
	3P (1.5)E-2	8259.381
	3P*(1.5)E-1	8582.906
	3P*(1.5)E-2	8647.044
	3P*(0.5)E-1	8783.755
3D*(1.5)0-1	3P (0.5)E-1	7351.292
	3P (2.5)E-2	7927.118
	3P (1.5)E-1	8118.549
	3P (1.5)E-2	8248.682
	3P (0.5)E-0	8679.492
	3P*(1.5)E-1	8571.353
	3P*(1.5)E-2	8635.318
	3P*(0.5)E-1	8771.656
4D (0.5)0-0	3P (0.5)E-1	5343.284
	3P (1.5)E-1	5934.456
	3P*(1.5)E-1	6172.825
	3P*(0.5)E-1	6276.037
4D (0.5)0-1	3P (0.5)E-1	5341.091
	3P (2.5)E-2	5828.905
	3P (1.5)E-1	5931.751
	3P (1.5)E-2	6000.923
	3P (0.5)E-0	6225.734
	3P*(1.5)E-1	6169.899
	3P*(1.5)E-2	6202.974
	3P*(0.5)E-1	6273.012
	3P*(0.5)E-0	7138.535
4D (3.5)0-4	3P (2.5)E-3	5764.418

NEON TRANSITIONS BY MULTIPLETS

Upper State	Lower State	λ
4D (3.5)0-3	3P (2.5)E-3	5764.054
	3P (2.5)E-2	5820.155
	3P (1.5)E-2	5991.650
	3P*(1.5)E-2	6193.066
4D (1.5)0-2	3P (0.5)E-1	5330.777
	3P (2.5)E-3	5760.589
	3P (2.5)E-2	5816.623
	3P (1.5)E-1	5919.033
	3P (1.5)E-2	5987.906
	3P*(1.5)E-1	6156.139
	3P*(1.5)E-2	6189.066
	3P*(0.5)E-1	6258.789
4D (1.5)0-1	3P (0.5)E-1	5326.397
	3P (2.5)E-2	5811.408
	3P (1.5)E-1	5913.633
	3P (1.5)E-2	5982.380
	3P (0.5)E-0	6205.779
	3P*(1.5)E-1	6150.299
	3P*(1.5)E-2	6183.163
	3P*(0.5)E-1	6252.752
	3P*(0.5)E-0	7112.311
4D (2.5)0-2	3P (0.5)E-1	5320.551
	3P (2.5)E-3	5748.649
	3P (2.5)E-2	5804.450
	3P (1.5)E-1	5906.428
	3P (1.5)E-2	5975.007
	3P*(1.5)E-1	6142.506
	3P*(1.5)E-2	6175.287
	3P*(0.5)E-1	6244.697
4D (2.5)0-3	3P (2.5)E-3	5748.299
	3P (2.5)E-2	5804.093
	3P (1.5)E-2	5974.629
	3P*(1.5)E-2	6174.883
4D*(2.5)0-2	3P (0.5)E-1	5117.021
	3P (2.5)E-3	5511.778
	3P (2.5)E-2	5563.055
	3P (1.5)E-1	5656.659
	3P (1.5)E-2	5719.530
	3P*(1.5)E-1	5872.827
	3P*(1.5)E-2	5902.786
	3P*(0.5)E-1	5966.175
4D*(2.5)0-3	3P (2.5)E-3	5511.497
	3P (2.5)E-2	5562.768
	3P (1.5)E-2	5719.227
	3P*(1.5)E-2	5902.464
4D*(1.5)0-2	3P (0.5)E-1	5116.504
	3P (2.5)E-3	5511.179
	3P (2.5)E-2	5562.444
	3P (1.5)E-1	5656.027
	3P (1.5)E-2	5718.883
	3P*(1.5)E-1	5872.146
	3P*(1.5)E-2	5902.098
	3P*(0.5)E-1	5965.472

Upper State	Lower State	λ
4D*(1.5)0-1	3P (0.5)E-1	5113.675
	3P (2.5)E-2	5559.101
	3P (1.5)E-1	5652.570
	3P (1.5)E-2	5715.350
	3P (0.5)E-0	5918.911
	3P*(1.5)E-1	5868.421
	3P*(1.5)E-2	5898.334
	3P*(0.5)E-1	5961.627
	3P*(0.5)E-0	6738.039
5D (0.5)0-0	3P (0.5)E-1	4710.060
	3P (1.5)E-1	5163.474
	3P*(1.5)E-1	5342.994
	3P*(0.5)E-1	5420.148
5D (0.5)0-1	3P (0.5)E-1	4708.854
	3P (2.5)E-2	5083.962
	3P (1.5)E-1	5152.025
	3P (1.5)E-2	5214.331
	3P (0.5)E-0	5383.240
	3P*(1.5)E-1	5341.443
	3P*(1.5)E-2	5366.214
	3P*(0.5)E-1	5418.552
	3P*(0.5)E-0	6052.434
5D (3.5)0-4	3P (2.5)E-3	5037.751
5D (3.5)0-3	3P (2.5)E-3	5037.587
	3P (2.5)E-2	5080.386
	3P (1.5)E-2	5210.568
	3P*(1.5)E-2	5362.230
5D (1.5)0-2	3P (0.5)E-1	4704.395
	3P (2.5)E-3	5035.993
	3P (2.5)E-2	5078.765
	3P (1.5)E-1	5156.667
	3P (1.5)E-2	5208.863
	3P*(1.5)E-1	5335.706
	3P*(1.5)E-2	5360.424
	3P*(0.5)E-1	5412.648
5D (1.5)0-1	3P (0.5)E-1	4702.528
	3P (2.5)E-2	5076.589
	3P (1.5)E-1	5154.423
	3P (1.5)E-2	5206.574
	3P (0.5)E-0	5374.973
	3P*(1.5)E-1	5333.304
	3P*(1.5)E-2	5358.000
	3P*(0.5)E-1	5410.176
	3P*(0.5)E-0	6041.986
5D (2.5)0-2	3P (0.5)E-1	4700.479
	3P (2.5)E-3	5031.506
	3P (2.5)E-2	5074.201
	3P (1.5)E-1	5151.963
	3P (1.5)E-2	5204.064
	3P*(1.5)E-1	5330.669
	3P*(1.5)E-2	5355.341
	3P*(0.5)E-1	5407.465

NEON TRANSITIONS BY MULTIPLETS

Upper State	Lower State	λ
5D (2.5)0-3	3P (2.5)E-3	5031.349
	3P (2.5)E-2	5074.042
	3P (1.5)E-2	5203.895
	3P*(1.5)E-2	5355.162
5D*(2.5)0-2	3P (0.5)E-1	4537.679
	3P (2.5)E-3	4845.422
	3P (2.5)E-2	4885.005
	3P (1.5)E-1	4957.035
	3P (1.5)E-2	5005.249
	3P*(1.5)E-1	5122.258
	3P*(1.5)E-2	5145.034
	3P*(0.5)E-1	5193.126
5D*(2.5)0-3	3P (2.5)E-3	4845.338
	3P (2.5)E-2	4884.920
	3P (1.5)E-2	5005.159
	3P*(1.5)E-2	5144.938
5D*(1.5)0-2	3P (0.5)E-1	4537.752
	3P (2.5)E-3	4845.506
	3P (2.5)E-2	4885.091
	3P (1.5)E-1	4957.123
	3P (1.5)E-2	5005.339
	3P*(1.5)E-1	5122.352
	3P*(1.5)E-2	5145.128
	3P*(0.5)E-1	5193.223
5D*(1.5)0-1	3P (0.5)E-1	4536.301
	3P (2.5)E-2	4883.409
	3P (1.5)E-1	4955.391
	3P (1.5)E-2	5003.574
	3P (0.5)E-0	5158.901
	3P*(1.5)E-1	5120.503
	3P*(1.5)E-2	5143.263
	3P*(0.5)E-1	5191.322
	3P*(0.5)E-0	5770.315
5D (1.5)0-0	3P (0.5)E-1	4425.400
	3P (1.5)E-1	4823.351
	3P*(1.5)E-1	4979.642
	3P*(0.5)E-1	5046.594
5D (0.5)0-1	3P (0.5)E-1	4424.800
	3P (2.5)E-2	4754.435
	3P (1.5)E-1	4822.538
	3P (1.5)E-2	4868.262
	3P (0.5)E-0	5015.179
	3P*(1.5)E-1	4978.883
	3P*(1.5)E-2	5000.399
	3P*(0.5)E-1	5045.814
	3P*(0.5)E-0	5591.100
5D (3.5)0-4	3P (2.5)E-3	4715.344
5D (3.5)0-3	3P (2.5)E-3	4715.255
	3P (2.5)E-2	4752.732
	3P (1.5)E-2	4866.476
	3P*(1.5)E-2	4998.515

Upper State	Lower State	λ
5D (1.5)0-2	3P (0.5)E-1	4422.521
	3P (2.5)E-3	4714.341
	3P (2.5)E-2	4751.803
	3P (1.5)E-1	4819.931
	3P (1.5)E-2	4865.503
	3P*(1.5)E-1	4975.997
	3P*(1.5)E-2	4997.488
	3P*(0.5)E-1	5042.850
5D (1.5)0-1	3P (0.5)E-1	4421.549
	3P (2.5)E-2	4750.681
	3P (1.5)E-1	4818.776
	3P (1.5)E-2	4864.327
	3P (0.5)E-0	5011.003
	3P*(1.5)E-1	4974.767
	3P*(1.5)E-2	4996.247
	3P*(0.5)E-1	5041.586
	3P*(0.5)E-0	5585.910
5D (2.5)0-2	3P (0.5)E-1	4420.589
	3P (2.5)E-3	4712.145
	3P (2.5)E-2	4749.573
	3P (1.5)E-1	4817.636
	3P (1.5)E-2	4863.164
	3P*(1.5)E-1	4973.551
	3P*(1.5)E-2	4995.021
	3P*(0.5)E-1	5040.337
5D (2.5)0-3	3P (2.5)E-3	4712.062
	3P (2.5)E-2	4749.488
	3P (1.5)E-2	4863.075
	3P*(1.5)E-2	4994.927
5D*(2.5)0-2	3P (0.5)E-1	4275.158
	3P (2.5)E-3	4547.257
	3P (2.5)E-2	4582.101
	3P (1.5)E-1	4645.417
	3P (1.5)E-2	4687.734
	3P*(1.5)E-1	4790.217
	3P*(1.5)E-2	4810.130
	3P*(0.5)E-1	4852.140
5D*(2.5)0-3	3P (2.5)E-3	4547.196
	3P (2.5)E-2	4582.039
	3P (1.5)E-2	4687.669
	3P*(1.5)E-2	4810.062
5D*(1.5)0-2	3P (0.5)E-1	4275.558
	3P (2.5)E-3	4547.709
	3P (2.5)E-2	4582.560
	3P (1.5)E-1	4645.889
	3P (1.5)E-2	4688.215
	3P*(1.5)E-1	4790.719
	3P*(1.5)E-2	4810.636
	3P*(0.5)E-1	4852.655

Upper State	Lower State	λ
6D*(1.5)0-1	3P (0.5)E-1	4274.659
	3P (2.5)E-2	4581.528
	3P (1.5)E-1	4644.828
	3P (1.5)E-2	4687.134
	3P (0.5)E-0	4823.170
	3P*(1.5)E-1	4789.590
	3P*(1.5)E-2	4809.498
	3P*(0.5)E-1	4851.497
	3P*(0.5)E-0	5353.595
7D (0.5)0-0	3P (0.5)E-1	4270.227
	3P (1.5)E-1	4639.595
	3P*(1.5)E-1	4784.027
	3P*(0.5)E-1	4845.789
7D (0.5)0-1	3P (0.5)E-1	4269.724
	3P (2.5)E-2	4575.859
	3P (1.5)E-1	4639.001
	3P (1.5)E-2	4681.201
	3P (0.5)E-0	4816.888
	3P*(1.5)E-1	4783.395
	3P*(1.5)E-2	4803.252
	3P*(0.5)E-1	4845.141
	3P*(0.5)E-0	5345.767
7D (3.5)0-4	3P (2.5)E-3	4540.376
7D (3.5)0-3	3P (2.5)E-3	4540.323
	3P (2.5)E-2	4575.060
	3P (1.5)E-2	4680.365
	3P*(1.5)E-2	4802.371
7D (1.5)0-2	3P (0.5)E-1	4268.005
	3P (2.5)E-3	4539.165
	3P (2.5)E-2	4573.885
	3P (1.5)E-1	4636.972
	3P (1.5)E-2	4679.135
	3P*(1.5)E-1	4781.238
	3P*(1.5)E-2	4801.076
	3P*(0.5)E-1	4842.928
7D (1.5)0-1	3P (0.5)E-1	4267.718
	3P (2.5)E-2	4573.556
	3P (1.5)E-1	4636.634
	3P (1.5)E-2	4678.791
	3P (0.5)E-0	4814.336
	3P*(1.5)E-1	4780.879
	3P*(1.5)E-2	4800.714
	3P*(0.5)E-1	4842.559
	3P*(0.5)E-0	5342.624
7D (2.5)0-2	3P (0.5)E-1	4267.287
	3P (2.5)E-3	4538.354
	3P (2.5)E-2	4573.061
	3P (1.5)E-1	4636.126
	3P (1.5)E-2	4678.273
	3P*(1.5)E-1	4780.338
	3P*(1.5)E-2	4800.169
	3P*(0.5)E-1	4842.004
7D (2.5)0-3	3P (2.5)E-3	4538.302
	3P (2.5)E-2	4573.009
	3P (1.5)E-2	4678.218
	3P*(1.5)E-2	4800.111

Upper State	Lower State	λ
7D*(2.5)0-2	3P (0.5)E-1	4130.958
	3P (2.5)E-3	4384.467
	3P (2.5)E-2	4416.852
	3P (1.5)E-1	4475.654
	3P (1.5)E-2	4514.922
	3P*(1.5)E-1	4609.912
	3P*(1.5)E-2	4628.351
	3P*(0.5)E-1	4667.233
7D*(2.5)0-3	3P (2.5)E-3	4384.429
	3P (2.5)E-2	4416.814
	3P (1.5)E-2	4514.883
	3P*(1.5)E-2	4628.309
7D*(1.5)0-2	3P (0.5)E-1	4131.053
	3P (2.5)E-3	4384.574
	3P (2.5)E-2	4416.961
	3P (1.5)E-1	4475.766
	3P (1.5)E-2	4515.036
	3P*(1.5)E-1	4610.030
	3P*(1.5)E-2	4628.470
	3P*(0.5)E-1	4667.355
7D*(1.5)0-1	3P (0.5)E-1	4130.512
	3P (2.5)E-2	4416.342
	3P (1.5)E-1	4475.131
	3P (1.5)E-2	4514.390
	3P (0.5)E-0	4640.448
	3P*(1.5)E-1	4609.357
	3P*(1.5)E-2	4627.791
	3P*(0.5)E-1	4666.664
	3P*(0.5)E-0	5129.327
8D (0.5)0-0	3P (0.5)E-1	4175.486
	3P (1.5)E-1	4527.971
	3P*(1.5)E-1	4665.433
	3P*(0.5)E-1	4724.152
8D (0.5)0-1	3P (0.5)E-1	4175.219
	3P (2.5)E-2	4467.490
	3P (1.5)E-1	4527.657
	3P (1.5)E-2	4567.847
	3P (0.5)E-0	4696.951
	3P*(1.5)E-1	4665.100
	3P*(1.5)E-2	4683.985
	3P*(0.5)E-1	4723.811
	3P*(0.5)E-0	5198.451
8D (3.5)0-4	3P (2.5)E-3	4433.721
8D (3.5)0-3	3P (2.5)E-3	4433.688
	3P (2.5)E-2	4466.807
	3P (1.5)E-2	4567.134
	3P*(1.5)E-2	4683.235
8D (1.5)0-2	3P (0.5)E-1	4174.363
	3P (2.5)E-3	4433.395
	3P (2.5)E-2	4466.510
	3P (1.5)E-1	4526.650
	3P (1.5)E-2	4566.822
	3P*(1.5)E-1	4664.032
	3P*(1.5)E-2	4682.907
	3P*(0.5)E-1	4722.715

NEON TRANSITIONS BY MULTIPLETS

Upper State	Lower State	λ
8D (1.5)0-1	3P (0.5)E-1	4173.957
	3P (2.5)E-2	4466.045
	3P (1.5)E-1	4526.173
	3P (1.5)E-2	4566.326
	3P (0.5)E-2	4695.354
	3P*(1.5)E-1	4663.525
	3P*(1.5)E-2	4682.396
	3P*(0.5)E-1	4722.195
	3P*(0.5)E-2	5196.494
8D (2.5)0-2	3P (0.5)E-1	4173.610
	3P (2.5)E-3	4432.545
	3P (2.5)E-2	4465.647
	3P (1.5)E-1	4525.764
	3P (1.5)E-2	4565.920
	3P*(1.5)E-1	4663.091
	3P*(1.5)E-2	4681.959
	3P*(0.5)E-1	4721.751
8D (2.5)0-3	3P (2.5)E-3	4432.514
	3P (2.5)E-2	4465.616
	3P (1.5)E-2	4565.888
	3P*(1.5)E-2	4681.925
8D*(2.5)0-2	3P (0.5)E-1	4042.625
	3P (2.5)E-3	4285.091
	3P (2.5)E-2	4316.020
	3P (1.5)E-1	4372.151
	3P (1.5)E-2	4409.616
	3P*(1.5)E-1	4500.182
	3P*(1.5)E-2	4517.752
	3P*(0.5)E-1	4554.791
8D*(2.5)0-3	3P (2.5)E-3	4285.077
	3P (2.5)E-2	4316.005
	3P (1.5)E-2	4409.601
	3P*(1.5)E-2	4517.736
8D*(1.5)0-2	3P (0.5)E-1	4042.646
	3P (2.5)E-3	4285.114
	3P (2.5)E-2	4316.043
	3P (1.5)E-1	4372.175
	3P (1.5)E-2	4409.641
	3P*(1.5)E-1	4500.207
	3P*(1.5)E-2	4517.778
	3P*(0.5)E-1	4554.817
8D*(1.5)0-1	3P (0.5)E-1	4042.335
	3P (2.5)E-2	4315.589
	3P (1.5)E-1	4371.812
	3P (1.5)E-2	4409.271
	3P (0.5)E-2	4529.450
	3P*(1.5)E-1	4499.822
	3P*(1.5)E-2	4517.390
	3P*(0.5)E-1	4554.422
	3P*(0.5)E-2	4994.049
8D*(2.5)0-2	4P (1.5)E-1	9549.088
	4P (2.5)E-3	9843.213
	4P (2.5)E-2	9909.963
8D*(2.5)0-3	4P (2.5)E-3	9843.138
	4P (2.5)E-2	9909.886
8D*(1.5)0-2	4P (1.5)E-1	9549.202
	4P (2.5)E-3	9843.335
	4P (2.5)E-2	9910.086
8D*(1.5)0-1	4P (1.5)E-1	9547.469
	4P (2.5)E-2	9908.219
9D (.5)0-1	3P (0.5)E-1	4112.868
	3P (1.5)E-1	4454.427
	3P*(1.5)E-1	4587.395
	3P*(0.5)E-1	4644.154
9D (0.5)0-1	3P (0.5)E-1	4112.693
	3P (2.5)E-2	4395.978
	3P (1.5)E-1	4454.222
	3P (1.5)E-2	4493.114
	3P (0.5)E-2	4617.971
	3P*(1.5)E-1	4587.178
	3P*(1.5)E-2	4605.436
	3P*(0.5)E-1	4643.932
	3P*(0.5)E-2	5101.877
9D (2.5)0-4	3P (2.5)E-3	4363.524
9D (2.5)0-3	3P (2.5)E-3	4363.481
	3P (2.5)E-2	4395.556
	3P (1.5)E-2	4492.673
	3P*(1.5)E-2	4604.972
9D (1.5)0-2	3P (0.5)E-1	4112.103
	3P (2.5)E-3	4363.233
	3P (2.5)E-2	4395.304
	3P (1.5)E-1	4453.530
	3P (1.5)E-2	4492.409
	3P*(1.5)E-1	4586.444
	3P*(1.5)E-2	4604.696
	3P*(0.5)E-1	4643.180
9D (1.5)0-1	3P (0.5)E-1	4111.858
	3P (2.5)E-2	4395.024
	3P (1.5)E-1	4453.242
	3P (1.5)E-2	4492.116
	3P (0.5)E-2	4616.917
	3P*(1.5)E-1	4586.139
	3P*(1.5)E-2	4604.388
	3P*(0.5)E-1	4642.867
	3P*(0.5)E-2	5100.592
9D (2.5)0-2	3P (0.5)E-1	4111.638
	3P (2.5)E-3	4362.709
	3P (2.5)E-2	4394.773
	3P (1.5)E-1	4452.985
	3P (1.5)E-2	4491.854
	3P*(1.5)E-1	4585.865
	3P*(1.5)E-2	4604.112
	3P*(0.5)E-1	4642.587

Upper State	Lower State	λ
9D (2.5)0-3	3P (2.5)E-3	4362.690
	3P (2.5)E-2	4394.753
	3P (1.5)E-2	4491.834
	3P*(1.5)E-2	4604.091
9D*(2.5)0-2	3P (0.5)E-1	3984.259
	3P (2.5)E-3	4219.570
	3P (2.5)E-2	4249.557
	3P (1.5)E-1	4303.962
	3P (1.5)E-2	4340.263
	3P*(1.5)E-1	4427.974
	3P*(1.5)E-2	4444.983
	3P*(0.5)E-1	4480.834
9D*(2.5)0-3	3P (2.5)E-3	4219.561
	3P (2.5)E-2	4249.548
	3P (1.5)E-2	4340.253
	3P*(1.5)E-2	4444.973
9D*(1.5)0-2	3P (0.5)E-1	3984.252
	3P (2.5)E-3	4219.563
	3P (2.5)E-2	4249.549
	3P (1.5)E-1	4303.954
	3P (1.5)E-2	4340.255
	3P*(1.5)E-1	4427.966
	3P*(1.5)E-2	4444.975
	3P*(0.5)E-1	4480.825
9D*(1.5)0-1	3P (0.5)E-1	3984.052
	3P (2.5)E-2	4249.322
	3P (1.5)E-1	4303.721
	3P (1.5)E-2	4340.017
	3P (0.5)E-0	4456.401
	3P*(1.5)E-1	4427.718
	3P*(1.5)E-2	4444.726
	3P*(0.5)E-1	4480.573
	3P*(0.5)E-0	4905.393
9D (0.5)0-0	4P (1.5)E-1	9950.495
9D (0.5)0-1	4P (1.5)E-1	9949.473
9D (1.5)0-2	4P (1.5)E-1	9946.021
9D (1.5)0-1	4P (1.5)E-1	9944.585
9D (2.5)0-2	4P (1.5)E-1	9943.300
9D*(2.5)0-2	4P (1.5)E-1	9229.717
	4P (2.5)E-3	9504.215
	4P (2.5)E-2	9566.491
	4P (1.5)E-1	9671.478
	4P (1.5)E-2	9695.612
9D*(2.5)0-3	4P (2.5)E-3	9504.169
	4P (2.5)E-2	9566.385
	4P (1.5)E-2	9695.565
9D*(1.5)0-2	4P (1.5)E-1	9229.682
	4P (2.5)E-3	9504.177
	4P (2.5)E-2	9566.394
	4P (1.5)E-1	9671.439
	4P (1.5)E-2	9695.574

Upper State	Lower State	λ
9D*(1.5)0-1	4P (1.5)E-1	9228.609
	4P (2.5)E-2	9565.241
	4P (1.5)E-1	9670.261
	4P (1.5)E-2	9694.389
10D (0.5)0-0	3P (0.5)E-1	4069.391
	3P (1.5)E-1	4403.474
	3P*(1.5)E-1	4533.373
	3P*(0.5)E-1	4588.796
10D (0.5)0-1	3P (0.5)E-1	4069.245
	3P (2.5)E-2	4346.375
	3P (1.5)E-1	4403.303
	3P (1.5)E-2	4441.307
	3P (0.5)E-0	4563.262
	3P*(1.5)E-1	4533.192
	3P*(1.5)E-2	4551.022
	3P*(0.5)E-1	4588.610
	3P*(0.5)E-0	5035.185
10D (3.5)0-4	3P (2.5)E-3	4314.696
10D (3.5)0-3	3P (2.5)E-3	4314.680
	3P (2.5)E-2	4346.038
	3P (1.5)E-2	4440.956
	3P*(1.5)E-2	4550.653
10D (1.5)0-2	3P (0.5)E-1	4068.839
	3P (2.5)E-3	4314.555
	3P (2.5)E-2	4345.912
	3P (1.5)E-1	4402.828
	3P (1.5)E-2	4440.823
	3P*(1.5)E-1	4532.689
	3P*(1.5)E-2	4550.514
	3P*(0.5)E-1	4588.094
10D (1.5)0-1	3P (0.5)E-1	4068.606
	3P (2.5)E-2	4345.646
	3P (1.5)E-1	4402.555
	3P (1.5)E-2	4440.545
	3P (0.5)E-0	4562.458
	3P*(1.5)E-1	4532.399
	3P*(1.5)E-2	4550.222
	3P*(0.5)E-1	4587.797
	3P*(0.5)E-0	5034.207
10D (2.5)0-2	3P (0.5)E-1	4068.453
	3P (2.5)E-3	4314.121
	3P (2.5)E-2	4345.472
	3P (1.5)E-1	4402.377
	3P (1.5)E-2	4440.364
	3P*(1.5)E-1	4532.210
	3P*(1.5)E-2	4550.032
	3P*(0.5)E-1	4587.604
10D (2.5)0-3	3P (2.5)E-3	4314.113
	3P (2.5)E-2	4345.464
	3P (1.5)E-2	4440.356
	3P*(1.5)E-2	4550.023

NEON TRANSITIONS BY MULTIPLETS

Upper State	Lower State	λ
10D*(2.5)0-2	3P (0.5)E-1	3942.552
	3P (2.5)E-3	4173.941
	3P (2.5)E-2	4203.280
	3P (1.5)E-1	4256.499
	3P (1.5)E-2	4292.001
	3P*(1.5)E-1	4377.753
	3P*(1.5)E-2	4394.378
	3P*(0.5)E-1	4429.414
10D*(2.5)0-3	3P (2.5)E-3	4173.928
	3P (2.5)E-2	4203.268
	3P (1.5)E-2	4291.986
	3P*(1.5)E-2	4394.365
10D*(1.5)0-2	3P (0.5)E-1	3943.544
	3P (2.5)E-3	4173.932
	3P (2.5)E-2	4203.271
	3P (1.5)E-1	4256.490
	3P (1.5)E-2	4291.991
	3P*(1.5)E-1	4377.743
	3P*(1.5)E-2	4394.368
	3P*(0.5)E-1	4429.404
10D*(1.5)0-1	3P (0.5)E-1	3943.382
	3P (2.5)E-2	4203.088
	3P (1.5)E-1	4256.302
	3P (1.5)E-2	4291.800
	3P (0.5)E-0	4405.578
	3P*(1.5)E-1	4377.544
	3P*(1.5)E-2	4394.168
	3P*(0.5)E-1	4429.200
	3P*(0.5)E-0	4843.884
10D (2.5)0-0	4P (1.5)E-1	9699.779
10D (0.5)0-1	4P (1.5)E-1	9698.950
10D (3.5)0-4	4P (2.5)E-3	10000.837
10D (3.5)0-3	4P (2.5)E-3	10000.747
10D (1.5)0-2	4P (1.5)E-1	9696.646
	4P (2.5)E-3	10000.077
10D (1.5)0-1	4P (1.5)E-1	9695.320
10D (2.5)0-2	4P (1.5)E-1	9694.455
	4P (2.5)E-3	9997.746
10D (2.5)0-3	4P (2.5)E-3	9997.705
10D*(2.5)0-2	4P (1.5)E-1	9014.174
	4P (2.5)E-3	9275.819
	4P (2.5)E-2	9335.072
	4P (1.5)E-1	9435.072
	4P (1.5)E-2	9458.040
10D*(2.5)0-3	4P (2.5)E-3	9275.758
	4P (2.5)E-2	9335.010
	4P (1.5)E-2	9457.977
10D*(1.5)0-2	4P (1.5)E-1	9014.133
	4P (2.5)E-3	9275.775
	4P (2.5)E-2	9335.027
	4P (1.5)E-1	9435.027
	4P (1.5)E-2	9457.994
10D*(1.5)0-1	4P (1.5)E-1	9013.288
	4P (2.5)E-2	9334.122
	4P (1.5)E-1	9434.102
	4P (1.5)E-2	9457.064
	4P (0.5)E-1	9793.308
11D (0.5)0-0	3P (0.5)E-1	4037.697
	3P (1.5)E-1	4366.387
	3P*(1.5)E-1	4494.076
	3P*(0.5)E-1	4548.536
11D (0.5)0-1	3P (0.5)E-1	4037.617
	3P (2.5)E-2	4310.312
	3P (1.5)E-1	4366.294
	3P (1.5)E-2	4403.658
	3P (0.5)E-0	4523.527
	3P*(1.5)E-1	4493.977
	3P*(1.5)E-2	4511.499
	3P*(0.5)E-1	4548.434
	3P*(0.5)E-0	4986.850
11D (3.5)0-4	3P (2.5)E-3	4279.281
11D (3.5)0-3	3P (2.5)E-3	4279.289
	3P (2.5)E-2	4310.133
	3P (1.5)E-2	4403.472
	3P*(1.5)E-2	4511.303
11D (1.5)0-2	3P (0.5)E-1	4037.265
	3P (2.5)E-3	4279.069
	3P (2.5)E-2	4309.910
	3P (1.5)E-1	4365.882
	3P (1.5)E-2	4403.239
	3P*(1.5)E-1	4493.540
	3P*(1.5)E-2	4511.059
	3P*(0.5)E-1	4547.987
11D (2.5)0-2	3P (0.5)E-1	4037.113
	3P (2.5)E-3	4278.899
	3P (2.5)E-2	4309.738
	3P (1.5)E-1	4365.704
	3P (1.5)E-2	4403.059
	3P*(1.5)E-1	4493.353
	3P*(1.5)E-2	4510.870
	3P*(0.5)E-1	4547.795
11D (2.5)0-3	3P (2.5)E-3	4278.840
	3P (2.5)E-2	4309.678
	3P (1.5)E-2	4402.997
	3P*(1.5)E-2	4510.804

Upper State	Lower State	λ
11D*(2.5)0-2	3P (0.5)E-1	3913.936
	3P (2.5)E-3	4140.778
	3P (2.5)E-2	4169.651
	3P (1.5)E-1	4222.017
	3P (1.5)E-2	4256.943
	3P*(1.5)E-1	4341.286
	3P*(1.5)E-2	4357.635
	3P*(0.5)E-1	4392.085
11D*(2.5)0-3	3P (2.5)E-3	4140.767
	3P (2.5)E-2	4169.641
	3P (1.5)E-2	4256.932
	3P*(1.5)E-2	4357.624
11D*(1.5)0-1	3P (0.5)E-1	3913.862
	3P (2.5)E-2	4169.568
	3P (1.5)E-1	4221.931
	3P (1.5)E-2	4256.856
	3P (0.5)E-0	4368.764
	3P*(1.5)E-1	4341.196
	3P*(1.5)E-2	4357.544
	3P*(0.5)E-1	4391.992
	3P*(0.5)E-0	4799.419
11D (0.5)0-0	4P (1.5)E-1	9521.636
	4P (1.5)E-1	9992.496
11D (0.5)0-1	4P (1.5)E-1	9521.192
	4P (2.5)E-2	9879.922
	4P (1.5)E-1	9992.007
11D (3.5)0-4	4P (2.5)E-3	9812.612
11D (3.5)0-3	4P (2.5)E-3	9812.649
	4P (2.5)E-2	9878.984
11D (1.5)0-2	4P (1.5)E-1	9519.234
	4P (2.5)E-3	9811.495
	4P (2.5)E-2	9877.814
	4P (1.5)E-1	9989.850
11D (2.5)0-2	4P (1.5)E-1	9518.391
	4P (2.5)E-3	9810.600
	4P (2.5)E-2	9876.906
	4P (1.5)E-1	9988.922
11D (2.5)0-3	4P (2.5)E-3	9810.291
	4P (2.5)E-2	9876.594
11D*(2.5)0-2	4P (1.5)E-1	8860.917
	4P (2.5)E-3	9113.616
	4P (2.5)E-2	9170.809
	4P (1.5)E-1	9267.302
	4P (1.5)E-2	9289.459
	4P*(1.5)E-1	9856.296
	4P*(1.5)E-2	9906.431
	4P*(0.5)E-1	9905.566
11D*(2.5)0-3	4P (2.5)E-3	9113.566
	4P (2.5)E-2	9170.758
	4P (1.5)E-2	9289.407
	4P*(1.5)E-2	9906.371

Upper State	Lower State	λ
11D*(1.5)0-1	4P (1.5)E-1	8860.540
	4P (2.5)E-2	9170.405
	4P (1.5)E-1	9266.890
	4P (1.5)E-2	9289.045
	4P (0.5)E-0	9613.242
	4P*(1.5)E-1	9855.829
	4P*(1.5)E-2	9905.959
	4P*(0.5)E-1	9905.094
12D (0.5)0-1	3P (0.5)E-1	4013.996
	3P (2.5)E-2	4283.403
	3P (1.5)E-1	4338.684
	3P (1.5)E-2	4375.575
	3P (0.5)E-0	4493.900
	3P*(1.5)E-1	4464.734
	3P*(1.5)E-2	4482.028
	3P*(0.5)E-1	4518.481
	3P*(0.5)E-0	4950.867
12D (3.5)0-4	3P (2.5)E-3	4252.776
12D (3.5)0-3	3P (2.5)E-3	4252.781
	3P (2.5)E-2	4283.244
	3P (1.5)E-2	4375.409
	3P*(1.5)E-2	4481.853
12D (1.5)0-2	3P (0.5)E-1	4013.760
	3P (2.5)E-3	4252.673
	3P (2.5)E-2	4283.134
	3P (1.5)E-1	4338.407
	3P (1.5)E-2	4375.294
	3P*(1.5)E-1	4464.441
	3P*(1.5)E-2	4481.733
	3P*(0.5)E-1	4518.181
12D (2.5)0-2	3P (0.5)E-1	4013.581
	3P (2.5)E-3	4252.472
	3P (2.5)E-2	4282.930
	3P (1.5)E-1	4338.198
	3P (1.5)E-2	4375.081
	3P*(1.5)E-1	4464.220
	3P*(1.5)E-2	4481.510
	3P*(0.5)E-1	4517.954
12D (2.5)0-3	3P (2.5)E-3	4252.420
	3P (2.5)E-2	4282.877
	3P (1.5)E-2	4375.026
	3P*(1.5)E-2	4481.452
12D (0.5)0-1	4P (1.5)E-1	9390.881
	4P (2.5)E-2	9739.679
	4P (1.5)E-1	9848.587
	4P (1.5)E-2	9873.614
12D (3.5)0-4	4P (2.5)E-3	9674.353
12D (3.5)0-3	4P (2.5)E-3	9674.382
	4P (2.5)E-2	9738.855
	4P (1.5)E-2	9872.767

NEON TRANSITIONS BY MULTIPLETS

Upper State	Lower State	λ
12D (1.5)0-2	4P (1.5)E-1	9389.585
	4P (2.5)E-3	9673.821
	4P (2.5)E-2	9738.286
	4P (1.5)E-1	9847.162
	4P (1.5)E-2	9872.182
12D (2.5)0-2	4P (1.5)E-1	9388.605
	4P (2.5)E-3	9672.781
	4P (2.5)E-2	9737.231
	4P (1.5)E-1	9846.084
	4P (1.5)E-2	9871.099
12D (2.5)0-3	4P (2.5)E-3	9672.510
	4P (2.5)E-2	9736.957
	4P (1.5)E-2	9870.817
13D (0.5)0-1	3P (0.5)E-1	3995.723
	3P (2.5)E-2	4262.601
	3P (1.5)E-1	4317.342
	3P (1.5)E-2	4353.870
	3P (0.5)E-0	4471.008
	3P*(1.5)E-1	4442.138
	3P*(1.5)E-2	4459.257
	3P*(0.5)E-1	4495.339
	3P*(0.5)E-0	4923.098
13D (3.5)0-4	3P (2.5)E-3	4232.325
13D (3.5)0-3	3P (2.5)E-3	4232.312
	3P (2.5)E-2	4262.481
	3P (1.5)E-2	4353.745
	3P*(1.5)E-2	4459.126
13D (0.5)0-1	4P (1.5)E-1	9291.469
	4P (2.5)E-2	9632.788
	4P (1.5)E-1	9739.305
	4P (1.5)E-2	9763.779
13D (3.5)0-4	4P (2.5)E-3	9569.168
13D (3.5)0-3	4P (2.5)E-3	9569.105
	4P (2.5)E-2	9632.177
	4P (1.5)E-2	9763.152
4F (1.5)E-1	3S (1.5)0-2	3028.433
	3S (1.5)0-1	3067.222
	3S*(0.5)0-0	3101.418
	3S*(0.5)0-1	3207.915
4F (1.5)E-2	3S (1.5)0-2	3028.433
	3S (1.5)0-1	3067.222
	3S*(0.5)0-1	3207.915
4F (2.5)E-2	3S (1.5)0-2	3026.920
	3S (1.5)0-1	3065.671
	3S*(0.5)0-1	3206.219
4F (2.5)E-3	3S (1.5)0-2	3026.920
4F (3.5)E-3	3S (1.5)0-2	3026.186
4F*(2.5)E-2	3S (1.5)0-2	2957.291
	3S (1.5)0-1	2994.258
	3S*(0.5)0-1	3128.203
4F*(2.5)E-3	3S (1.5)0-2	2957.291
5F (1.5)E-1	3S (1.5)0-2	2816.992
	3S (1.5)0-1	2850.524
	3S*(0.5)0-0	2880.036
	3S*(0.5)0-1	2971.650
5F (1.5)E-2	3S (1.5)0-2	2816.992
	3S (1.5)0-1	2850.524
	3S*(0.5)0-1	2971.650
5F (2.5)E-2	3S (1.5)0-2	2816.305
	3S (1.5)0-1	2849.821
	3S*(0.5)0-1	2970.885
5F (2.5)E-3	3S (1.5)0-2	2816.305
5F (3.5)E-3	3S (1.5)0-2	2815.978
5F*(2.5)E-2	3S (1.5)0-2	2755.837
	3S (1.5)0-1	2787.921
	3S*(0.5)0-1	2903.676
5F*(2.5)E-3	3S (1.5)0-2	2755.837
5F (1.5)E-1	4S (1.5)0-2	9147.334
	4S (1.5)0-1	9313.407
	4S*(0.5)0-0	9849.246
	4S*(0.5)0-1	10001.612
5F (1.5)E-2	4S (1.5)0-2	9147.334
	4S (1.5)0-1	9313.407
	4S*(0.5)0-1	10001.612
5F (2.5)E-2	4S (1.5)0-2	9140.092
	4S (1.5)0-1	9305.899
	4S*(0.5)0-1	9992.955
5F (2.5)E-3	4S (1.5)0-2	9140.092
5F (3.5)E-3	4S (1.5)0-2	9136.651
5F*(2.5)E-2	4S (1.5)0-2	8532.529
	4S (1.5)0-1	8676.851
	4S*(0.5)0-1	9271.195
5F*(2.5)E-3	4S (1.5)0-2	8532.529
6F (1.5)E-1	3S (1.5)0-2	2714.085
	3S (1.5)0-1	2745.199
	3S*(0.5)0-0	2772.560
	3S*(0.5)0-1	2857.363
6F (1.5)E-2	3S (1.5)0-2	2714.085
	3S (1.5)0-1	2745.199
	3S*(0.5)0-1	2857.363

NEON TRANSITIONS BY MULTIPLETS

Upper State	Lower State	λ
6F (2.5)E-2	3S (1.5)0-2	2713.722
	3S (1.5)0-1	2744.827
	3S*(0.5)0-1	2856.961
6F (2.5)E-3	3S (1.5)0-2	2713.722
6F (3.5)E-3	3S (1.5)0-2	2713.553
6F*(3.5)E-3	3S (1.5)0-2	2657.507
6F*(2.5)E-2	3S (1.5)0-2	2657.521
	3S (1.5)0-1	2687.345
	3S*(0.5)0-1	2794.739
6F*(2.5)E-3	3S (1.5)0-2	2657.521
6F (1.5)E-1	4S (1.5)0-2	8144.636
	4S (1.5)0-1	8276.033
	4S*(0.5)0-0	8696.458
	4S*(0.5)0-1	8815.030
6F (1.5)E-2	4S (1.5)0-2	8144.636
	4S (1.5)0-1	8276.033
	4S*(0.5)0-1	8815.030
6F (2.5)E-2	4S (1.5)0-2	8141.366
	4S (1.5)0-1	8272.657
	4S*(0.5)0-1	8811.200
6F (2.5)E-3	4S (1.5)0-2	8141.366
6F (3.5)E-3	4S (1.5)0-2	8139.842
6F*(3.5)E-3	4S (1.5)0-2	7655.568
6F*(2.5)E-2	4S (1.5)0-2	7655.691
	4S (1.5)0-1	7771.674
	4S*(0.5)0-1	8245.099
6F*(2.5)E-3	4S (1.5)0-2	7655.691
6F*(3.5)E-3	3D (3.5)0-4	9928.201
	3D (3.5)0-3	9929.948
	3D (1.5)0-2	9944.906
6F*(3.5)E-4	3D (3.5)0-4	9928.201
	3D (3.5)0-3	9929.948
6F*(2.5)E-2	3D (0.5)0-1	9863.585
	3D (3.5)0-3	9930.154
	3D (1.5)0-2	9945.112
	3D (1.5)0-1	9974.241
6F*(2.5)E-3	3D (3.5)0-4	9928.407
	3D (3.5)0-3	9930.154
	3D (1.5)0-2	9945.112
7F (1.5)E-1	3S (1.5)0-2	2655.622
	3S (1.5)0-1	2685.402
	3S*(0.5)0-0	2711.579
	3S*(0.5)0-1	2792.638
7F (1.5)E-2	3S (1.5)0-2	2655.622
	3S (1.5)0-1	2685.402
	3S*(0.5)0-1	2792.638
7F (2.5)E-2	3S (1.5)0-2	2655.375
	3S (1.5)0-1	2685.150
	3S*(0.5)0-1	2792.365
7F (2.5)E-3	3S (1.5)0-2	2655.375
7F (3.5)E-3	3S (1.5)0-2	2655.286
7F*(3.5)E-3	3S (1.5)0-2	2601.516
7F*(2.5)E-2	3S (1.5)0-2	2601.516
	3S (1.5)0-1	2630.089
	3S*(0.5)0-1	2732.869
7F*(2.5)E-3	3S (1.5)0-2	2601.516
7F (1.5)E-1	4S (1.5)0-2	7639.947
	4S (1.5)0-1	7755.450
	4S*(0.5)0-0	8123.470
	4S*(0.5)0-1	8226.840
7F (1.5)E-2	4S (1.5)0-2	7639.947
	4S (1.5)0-1	7755.450
	4S*(0.5)0-1	8226.840
7F (2.5)E-2	4S (1.5)0-2	7637.904
	4S (1.5)0-1	7753.345
	4S*(0.5)0-1	8224.471
7F (2.5)E-3	4S (1.5)0-2	7637.904
7F (3.5)E-3	4S (1.5)0-2	7637.175
7F*(3.5)E-3	4S (1.5)0-2	7208.665
7F*(2.5)E-2	4S (1.5)0-2	7208.665
	4S (1.5)0-1	7311.408
	4S*(0.5)0-1	7728.911
7F*(2.5)E-3	4S (1.5)0-2	7208.665
7F (1.5)E-1	3D (0.5)0-0	-9823.406
	3D (0.5)0-1	9837.466
	3D (1.5)0-2	9918.560
	3D (1.5)0-1	9947.534
7F (1.5)E-2	3D (0.5)0-1	9837.466
	3D (3.5)0-3	9903.682
	3D (1.5)0-2	9918.560
	3D (1.5)0-1	9947.534
7F (4.5)E-4	3D (3.5)0-4	9900.592
	3D (3.5)0-3	9902.329
7F (4.5)E-5	3D (3.5)0-4	9900.592

NEON TRANSITIONS BY MULTIPLETS

Upper State	Lower State	λ
7F (2.5)E-2	3D (0.5)0-1	9834.079
	3D (3.5)0-3	9910.249
	3D (1.5)0-2	9915.117
	3D (1.5)0-1	9944.071
	3D (2.5)0-2	10006.821
7F (2.5)E-3	3D (3.5)0-4	9898.513
	3D (3.5)0-3	9900.249
	3D (1.5)0-2	9915.117
	3D (2.5)0-2	10006.821
7F (3.5)E-3	3D (3.5)0-4	9897.288
	3D (3.5)0-3	9899.024
	3D (1.5)0-2	9913.888
	3D (2.5)0-2	10005.570
7F (3.5)E-4	3D (3.5)0-4	9897.288
	3D (3.5)0-3	9899.024
7F*(3.5)E-3	3D (3.5)0-4	9189.384
	3D (3.5)0-3	9190.880
	3D (1.5)0-2	9203.693
	3D (2.5)0-2	9282.657
	3D (2.5)0-3	9284.199
	3D*(2.5)0-2	9936.814
	3D*(2.5)0-3	9938.317
	3D*(1.5)0-2	9948.014
7F*(3.5)E-4	3D (3.5)0-4	9189.384
	3D (3.5)0-3	9190.880
	3D (2.5)0-3	9284.199
	3D*(2.5)0-3	9938.317
7F*(2.5)E-2	3D (0.5)0-1	9133.826
	3D (3.5)0-3	9190.880
	3D (1.5)0-2	9203.693
	3D (1.5)0-1	9228.635
	3D (2.5)0-2	9282.657
	3D (2.5)0-3	9284.199
	3D*(2.5)0-2	9936.814
	3D*(2.5)0-3	9938.317
	3D*(1.5)0-2	9948.014
	3D*(1.5)0-1	9963.578
7F*(2.5)E-3	3D (3.5)0-4	9189.384
	3D (3.5)0-3	9190.880
	3D (1.5)0-2	9203.693
	3D (2.5)0-2	9282.657
	3D (2.5)0-3	9284.199
	3D*(2.5)0-2	9936.814
	3D*(2.5)0-3	9938.317
	3D*(1.5)0-2	9948.014
8F (1.5)E-1	3S (1.5)0-2	2619.018
	3S (1.5)0-1	2647.979
	3S*(0.5)0-1	2673.428
	3S*(0.5)0-1	2752.190
8F (1.5)E-2	3S (1.5)0-2	2619.018
	3S (1.5)0-1	2647.979
	3S*(0.5)0-1	2752.190
8F (2.5)E-2	3S (1.5)0-2	2618.878
	3S (1.5)0-1	2647.836
	3S*(0.5)0-1	2752.035
8F (2.5)E-3	3S (1.5)0-2	2618.878
8F (3.5)E-3	3S (1.5)0-2	2618.814
8F*(3.5)0-3	3S (1.5)0-2	2566.438
8F*(2.5)E-2	3S (1.5)0-2	2566.438
	3S (1.5)0-1	2594.242
	3S*(0.5)0-1	2694.186
8F*(2.5)E-3	3S (1.5)0-2	2566.438
8F (1.5)E-1	4S (1.5)0-2	7344.661
	4S (1.5)0-1	7451.345
	4S*(0.5)0-1	7790.440
	4S*(0.5)0-1	7885.458
8F (1.5)E-2	4S (1.5)0-2	7344.661
	4S (1.5)0-1	7451.345
	4S*(0.5)0-1	7885.458
8F (2.5)E-2	4S (1.5)0-2	7343.561
	4S (1.5)0-1	7450.213
	4S*(0.5)0-1	7884.190
8F (2.5)E-3	4S (1.5)0-2	7343.561
8F (3.5)E-3	4S (1.5)0-2	7343.053
8F*(3.5)0-3	4S (1.5)0-2	6945.639
8F*(2.5)E-2	4S (1.5)0-2	6945.639
	4S (1.5)0-1	7040.971
	4S*(0.5)0-1	7427.345
8F*(2.5)E-3	4S (1.5)0-2	6945.639
8F (1.5)E-1	3D (0.5)0-3	9340.554
	3D (0.5)0-1	9353.264
	3D (1.5)0-2	9426.542
	3D (1.5)0-1	9452.709
	3D (2.5)0-2	9509.394
8F (1.5)E-2	3D (0.5)0-1	9353.264
	3D (3.5)0-3	9413.102
	3D (1.5)0-2	9426.542
	3D (1.5)0-1	9452.709
	3D (2.5)0-2	9509.394
	3D (2.5)0-3	9511.012
8F (4.5)E-4	3D (3.5)0-4	9410.754
	3D (3.5)0-3	9412.323
	3D (2.5)0-3	9510.217
8F (4.5)E-5	3D (3.5)0-4	9410.754
8F (2.5)E-2	3D (0.5)0-1	9351.480
	3D (3.5)0-3	9411.295
	3D (1.5)0-2	9424.730
	3D (1.5)0-1	9450.887
	3D (2.5)0-2	9507.550
	3D (2.5)0-3	9509.167

Upper State	Lower State	λ
8F (2.5)E-3	3D (3.5)0-4	9409.726
	3D (3.5)0-3	9411.295
	3D (1.5)0-2	9424.730
	3D (2.5)0-2	9507.550
	3D (2.5)0-3	9509.167
8F (3.5)E-3	3D (3.5)0-4	9408.892
	3D (3.5)0-3	9410.461
	3D (1.5)0-2	9423.894
	3D (2.5)0-2	9506.698
	3D (2.5)0-3	9508.316
8F (3.5)E-4	3D (3.5)0-4	9408.892
	3D (3.5)0-3	9410.461
	3D (2.5)0-3	9508.316
8F*(3.5)0-3	3D (3.5)0-4	8766.201
	3D (3.5)0-3	8767.563
	3D (1.5)0-2	8779.222
	3D (2.5)0-2	8851.042
	3D (2.5)0-3	8852.444
	3D*(2.5)0-2	9443.839
	3D*(2.5)0-3	9445.196
	3D*(1.5)0-2	9453.953
8F*(3.5)E-4	3D (3.5)0-4	8766.201
	3D (3.5)0-3	8767.563
	3D (2.5)0-3	8852.444
	3D*(2.5)0-3	9445.196
8F*(2.5)E-2	3D (3.5)0-1	8715.628
	3D (3.5)0-3	8767.563
	3D (1.5)0-2	8779.222
	3D (1.5)0-1	8801.914
	3D (2.5)0-2	8851.042
	3D (2.5)0-3	8852.444
	3D*(2.5)0-2	9443.839
	3D*(2.5)0-3	9445.196
	3D*(1.5)0-2	9453.953
	3D*(1.5)0-1	9468.010
8F*(2.5)E-3	3D (3.5)0-4	8766.201
	3D (3.5)0-3	8767.563
	3D (1.5)0-2	8779.222
	3D (2.5)0-2	8851.042
	3D (2.5)0-3	8852.444
	3D*(2.5)0-2	9443.839
	3D*(2.5)0-3	9445.196
	3D*(1.5)0-2	9453.953
9F (2.5)E-2	3S (1.5)0-2	2594.402
	3S (1.5)0-1	2622.819
	3S*(0.5)0-1	2725.020
9F (2.5)E-3	3S (1.5)0-2	2594.402
9F (3.5)E-3	3S (1.5)0-2	2594.369
9F (2.5)E-2	4S (1.5)0-2	7154.317
	4S (1.5)0-1	7255.505
	4S*(0.5)0-1	7666.469

Upper State	Lower State	λ
9F (2.5)E-3	4S (1.5)0-2	7154.317
9F (3.5)E-3	4S (1.5)0-2	7154.061
9F (4.5)E-4	3D (3.5)0-4	9102.053
	3D (3.5)0-3	9103.521
	3D (2.5)0-3	9195.066
	3D*(2.5)0-3	9836.251
9F (4.5)E-5	3D (3.5)0-4	9102.053
9F (2.5)E-2	3D (3.5)0-1	9046.746
	3D (3.5)0-3	9102.717
	3D (1.5)0-2	9115.285
	3D (1.5)0-1	9139.749
	3D (2.5)0-2	9192.732
	3D (2.5)0-3	9194.245
	3D*(2.5)0-2	9833.839
	3D*(2.5)0-3	9835.311
	3D*(1.5)0-2	9844.808
	3D*(1.5)0-1	9860.051
9F (2.5)E-3	3D (3.5)0-4	9101.249
	3D (3.5)0-3	9102.717
	3D (1.5)0-2	9115.285
	3D (2.5)0-2	9192.732
	3D (2.5)0-3	9194.245
	3D*(2.5)0-2	9833.839
	3D*(2.5)0-3	9835.311
	3D*(1.5)0-2	9844.808
9F (3.5)E-3	3D (3.5)0-4	9100.834
	3D (3.5)0-3	9102.302
	3D (1.5)0-2	9114.869
	3D (2.5)0-2	9192.310
	3D (2.5)0-3	9193.822
	3D*(2.5)0-2	9833.356
	3D*(2.5)0-3	9834.828
	3D*(1.5)0-2	9844.323
9F (2.5)E-4	3D (3.5)0-4	9100.834
	3D (3.5)0-3	9102.302
	3D (2.5)0-3	9193.822
	3D*(2.5)0-3	9834.828

λ	Upper State	Lower State	λ	Upper State	Lower State
1[illegible]6.821	7F (2.5)E-3	3D (2.5)D-2	9907.837	8P (2.5)E-2	3D (2.5)D-3
1[illegible]6.821	7F (2.5)E-2	3D (2.5)D-2	9907.697	13S (1.5)E-1	4P (1.5)E-2
10005.570	7F (3.5)E-3	3D (2.5)D-2	9906.481	11D*(2.5)E-2	4P*(1.5)E-2
1[illegible]1.612	5F (1.5)E-2	4S*(0.5)D-1	9906.371	11D*(2.5)E-3	4P*(1.5)E-2
10[illegible]1.612	5F (1.5)E-1	4S*(0.5)D-1	9906.051	8P (2.5)E-2	3D (2.5)D-2
1[illegible]0.837	10D (3.5)E-4	4P (2.5)E-3	9905.959	11D*(1.5)E-1	4P*(1.5)E-2
10000.747	10D (3.5)E-3	4P (2.5)E-3	9905.566	11D*(2.5)E-2	4P*(0.5)E-1
10000.377	10D (1.5)E-2	4P (2.5)E-3	9905.094	11D*(1.5)E-1	4P*(0.5)E-1
9997.746	10D (2.5)E-2	4P (2.5)E-3	9903.682	7F (1.5)E-2	3D (3.5)D-3
9997.735	10D (2.5)E-3	4P (2.5)E-3	9902.329	7F (4.5)E-4	3D (3.5)D-3
9992.955	5F (2.5)E-2	4S*(0.5)D-1	9900.592	7F (4.5)E-3	3D (3.5)D-4
9992.496	11D (3.5)E-3	4P (1.5)E-1	9900.592	7F (4.5)E-4	3D (3.5)D-4
9992.037	11D (3.5)E-1	4P (1.5)E-1	9900.249	7F (2.5)E-3	3D (3.5)D-3
9989.850	11D (1.5)E-2	4P (1.5)E-1	9900.249	7F (2.5)E-2	3D (3.5)D-3
9988.922	11D (2.5)E-2	4P (1.5)E-1	9899.575	8P (1.5)E-1	3D (2.5)D-2
9974.241	6F*(2.5)E-2	3D (1.5)D-1	9899.024	7F (3.5)E-4	3D (3.5)D-3
9963.578	7F*(2.5)E-2	3D*(1.5)D-1	9899.024	7F (3.5)E-3	3D (3.5)D-3
9950.495	9D (0.5)D-3	4P (1.5)E-1	9898.513	7F (2.5)E-3	3D (3.5)D-4
9949.473	9D (0.5)E-1	4P (1.5)E-1	9897.244	7F (3.5)E-4	3D (3.5)D-4
9948.014	7F*(2.5)E-3	3D*(1.5)D-2	9897.288	7F (3.5)E-3	3D (3.5)D-4
9948.014	7F*(2.5)E-2	3D*(1.5)D-2	9896.626	8P (1.5)E-2	3D (2.5)D-3
9948.014	7F*(3.5)E-3	3D*(1.5)D-2	9894.873	8P (1.5)E-2	3D (2.5)D-2
9947.534	7F (1.5)E-2	3D (1.5)D-1	9885.145	13S (1.5)E-2	4P (1.5)E-1
9947.534	7F (1.5)E-1	3D (1.5)D-1	9882.995	8P (1.5)E-1	3D (1.5)D-1
9946.021	9D (1.5)D-2	4P (1.5)E-1	9882.467	13S (1.5)E-1	4P (1.5)E-1
9945.112	6F*(2.5)E-3	3D (1.5)D-2	9879.922	11D (3.5)E-1	4P (2.5)E-2
9945.112	6F*(2.5)E-2	3D (1.5)D-2	9878.984	11D (3.5)E-3	4P (2.5)E-2
9944.975	8P (0.5)E-1	3D (2.5)D-2	9877.814	11D (1.5)E-2	4P (2.5)E-2
9944.935	6F*(3.5)E-3	3D (1.5)D-2	9876.936	11D (2.5)E-2	4P (2.5)E-2
9944.585	9D (1.5)E-1	4P (1.5)E-1	9876.594	11D (2.5)E-3	4P (2.5)E-2
9944.071	7F (2.5)E-2	3D (1.5)D-1	9876.203	7P*(1.5)E-1	3D (2.5)D-2
9943.300	9D (2.5)D-2	4P (1.5)E-1	9873.614	12D (0.5)E-1	4P (1.5)E-2
9938.317	7F*(3.5)E-4	3D*(2.5)D-3	9872.767	12D (3.5)E-3	4P (1.5)E-2
9938.317	7F*(2.5)E-3	3D*(2.5)D-3	9872.290	7P*(1.5)E-2	3D (2.5)D-3
9938.317	7F*(2.5)E-2	3D*(2.5)D-3	9872.182	12D (1.5)E-2	4P (1.5)E-2
9938.317	7F*(3.5)E-3	3D*(2.5)D-3	9871.734	8P*(0.5)E-1	3D*(1.5)D-1
9936.814	7F*(2.5)E-3	3D*(2.5)D-2	9871.099	12D (2.5)E-2	4P (1.5)E-2
9936.814	7F*(2.5)E-2	3D*(2.5)D-2	9870.817	12D (2.5)E-3	4P (1.5)E-2
9936.814	7F*(3.5)E-3	3D*(2.5)D-2	9870.547	7P*(1.5)E-2	3D (2.5)D-2
9930.154	6F*(2.5)E-3	3D (3.5)D-3	9867.917	7P*(0.5)E-1	3D (2.5)D-2
9930.154	6F*(2.5)E-2	3D (3.5)D-3	9863.595	6F*(2.5)E-2	3D (0.5)D-1
9929.948	6F*(3.5)E-4	3D (3.5)D-3	9861.413	8P*(1.5)E-2	3D*(1.5)D-1
9929.948	6F*(3.5)E-3	3D (3.5)D-3	9861.346	12S (1.5)E-2	4P (2.5)E-3
9928.407	6F*(2.5)E-3	3D (3.5)D-4	9860.951	9F (2.5)E-2	3D*(1.5)D-1
9928.343	12S (1.5)E-2	4P (2.5)E-2	9857.290	11S*(0.5)E-1	4P (0.5)E-0
9928.201	6F*(3.5)E-4	3D (3.5)D-4	9856.455	8P*(0.5)E-1	3D*(1.5)D-2
9928.201	6F*(3.5)E-3	3D (3.5)D-4	9856.296	11D*(2.5)E-2	4P*(1.5)E-1
9924.568	12S (1.5)D-1	4P (2.5)E-2	9855.829	11D*(1.5)E-1	4P*(1.5)E-1
9918.560	7F (1.5)E-2	3D (1.5)D-2	9854.396	8P (0.5)E-1	3D (1.5)D-2
9918.560	7F (1.5)E-1	3D (1.5)D-2	9849.246	5F (1.5)E-1	4S*(0.5)D-0
9915.117	7F (2.5)E-3	3D (1.5)D-2	9848.587	12D (0.5)E-1	4P (1.5)E-1
9915.117	7F (2.5)E-2	3D (1.5)D-2	9847.162	12D (1.5)E-2	4P (1.5)E-1
9913.888	7F (3.5)E-3	3D (1.5)D-2	9846.165	8P*(1.5)E-2	3D*(1.5)D-2
9912.424	8P (2.5)E-3	3D (2.5)D-3	9846.084	12D (2.5)E-2	4P (1.5)E-1
9910.665	8P (2.5)E-3	3D (2.5)D-2	9845.461	8P*(0.5)E-1	3D*(2.5)D-2
9910.359	13S (1.5)D-2	4P (1.5)E-2	9844.808	9F (2.5)E-3	3D*(1.5)D-2
9910.085	8D*(1.5)D-2	4P (2.5)E-2	9844.808	9F (2.5)E-2	3D*(1.5)D-2
9909.953	8D*(2.5)D-2	4P (2.5)E-2	9844.554	8P (2.5)E-2	3D (1.5)D-1
9909.885	8D*(2.5)D-3	4P (2.5)E-2	9844.323	9F (3.5)E-3	3D*(1.5)D-2
9909.219	9D*(1.5)E-1	4P (2.5)E-2	9843.335	8D*(1.5)E-2	4P (2.5)E-3

λ	Upper State	Lower State	λ	Upper State	Lower State
9843.213	8D*(2.5)0-2	4P (2.5)E-3	9763.779	13D (0.5)0-1	4P (1.5)E-2
9843.138	8D*(2.5)0-3	4P (2.5)E-3	9760.152	13D (3.5)0-3	4P (1.5)E-2
9838.158	8P (1.5)E-1	3D (1.5)0-1	9761.102	11S (1.5)0-2	4P (1.5)E-1
9837.466	7F (1.5)E-2	3D (0.5)0-1	9760.463	8P (0.5)E-1	3D (0.5)0-0
9837.466	7F (1.5)E-1	3D (0.5)0-1	9760.434	10S*(0.5)0-0	4P (1.5)E-1
9836.667	8P*(1.5)E-2	3D*(2.5)0-3	9756.566	11S (1.5)0-1	4P (1.5)E-1
9836.251	9F (4.5)E-4	3D*(2.5)0-3	9756.462	10S*(0.5)0-1	4P (1.5)E-1
9835.897	8P*(0.5)E-0	3D*(1.5)0-1	9749.679	12D (0.5)0-1	4P (2.5)E-2
9835.311	9F (2.5)E-3	3D*(2.5)0-3	9739.305	13D (0.5)0-1	4P (1.5)E-1
9835.311	9F (2.5)E-2	3D*(2.5)0-3	9738.855	12D (3.5)0-3	4P (2.5)E-2
9835.194	8P*(1.5)E-2	3D*(2.5)0-2	9738.286	12D (1.5)0-2	4P (2.5)E-2
9834.828	9F (3.5)E-4	3D*(2.5)0-3	9737.231	12D (2.5)0-2	4P (2.5)E-2
9834.828	9F (3.5)E-3	3D*(2.5)0-3	9736.957	12D (2.5)0-3	4P (2.5)E-2
9834.079	7F (2.5)E-2	3D (0.5)0-1	9736.741	8P (2.5)E-2	3D (0.5)0-1
9833.839	9F (2.5)E-3	3D*(2.5)0-2	9730.484	8P (1.5)E-1	3D (0.5)0-1
9833.839	9F (2.5)E-2	3D*(2.5)0-2	9727.914	7P*(0.5)E-1	3D (1.5)0-1
9833.514	8P (1.5)E-2	3D (1.5)0-1	9725.942	8P (1.5)E-2	3D (0.5)0-1
9833.356	9F (3.5)E-3	3D*(2.5)0-2	9724.985	6P (2.5)E-2	4S*(0.5)0-1
9823.405	7F (1.5)E-1	3D (0.5)0-0	9716.729	8P (1.5)E-1	3D (0.5)0-0
9820.707	8P (2.5)E-2	3D (1.5)0-2	9710.476	13S (1.5)0-2	4P (2.5)E-3
9817.255	10P (0.5)E-1	3D*(1.5)0-1	9707.903	7P*(1.5)E-1	3D (0.5)0-1
9816.176	8P (2.5)E-2	3D (1.5)0-2	9702.438	7P*(1.5)E-2	3D (0.5)0-1
9815.075	7P*(1.5)E-1	3D (1.5)0-1	9701.483	6P (1.5)E-1	4S*(0.5)0-1
9812.649	11D (3.5)0-3	4P (2.5)E-3	9699.897	7P*(0.5)E-1	3D (0.5)0-1
9812.612	11D (3.5)0-4	4P (2.5)E-3	9699.779	10D (0.5)0-0	4P (1.5)E-1
9811.495	11D (1.5)0-2	4P (2.5)E-3	9699.614	8P (0.5)E-1	3D (0.5)0-1
9810.600	11D (2.5)0-2	4P (2.5)E-3	9698.950	10D (0.5)0-1	4P (1.5)E-1
9810.291	11D (2.5)0-3	4P (2.5)E-3	9697.400	6P (1.5)E-2	4S*(0.5)0-1
9809.817	8P (1.5)E-1	3D (1.5)0-2	9696.646	10D (1.5)0-2	4P (1.5)E-1
9809.488	7P*(1.5)E-2	3D (1.5)0-1	9695.612	9D*(2.5)0-2	4P (1.5)E-2
9806.891	7P*(0.5)E-1	3D (1.5)0-1	9695.574	9D*(1.5)0-2	4P (1.5)E-2
9806.602	8P (0.5)E-0	3D (1.5)0-1	9695.565	9D*(2.5)0-3	4P (1.5)E-2
9806.470	10P (1.5)E-2	3D*(1.5)0-1	9695.321	10D (1.5)0-1	4P (1.5)E-1
9806.470	10P (1.5)E-1	3D*(1.5)0-1	9694.455	10D (2.5)0-2	4P (1.5)E-1
9806.121	8P (2.5)E-3	3D (3.5)0-3	9694.389	9D*(1.5)0-1	4P (1.5)E-2
9805.200	8P (1.5)E-2	3D (1.5)0-2	9694.211	7P*(1.5)E-1	3D (0.5)0-0
9804.417	8P (2.5)E-3	3D (3.5)0-4	9686.227	7P*(0.5)E-1	3D (0.5)0-0
9802.144	10P (0.5)E-1	3D*(1.5)0-2	9674.382	12D (3.5)0-3	4P (2.5)E-3
9801.603	8P (2.5)E-2	3D (3.5)0-3	9674.353	12D (3.5)0-4	4P (2.5)E-3
9798.109	10P (2.5)E-3	3D*(1.5)0-2	9673.892	9S*(0.5)0-1	4P (1.5)E-1
9793.308	10D*(1.5)0-1	4P (0.5)E-0	9673.821	12D (1.5)0-2	4P (2.5)E-3
9791.392	10P (1.5)E-2	3D*(1.5)0-2	9672.781	12D (2.5)0-2	4P (2.5)E-3
9791.392	10P (1.5)E-1	3D*(1.5)0-2	9672.511	12D (2.5)0-3	4P (2.5)E-3
9791.270	10P (0.5)E-1	3D*(2.5)0-2	9671.478	9D*(2.5)0-2	4P (1.5)E-1
9790.659	8P (1.5)E-2	3D (3.5)0-3	9671.439	9D*(1.5)0-2	4P (1.5)E-1
9788.703	10P (2.5)E-3	3D*(2.5)0-3	9670.251	9D*(1.5)0-1	4P (1.5)E-1
9788.244	6P (0.5)E-1	4S*(0.5)0-1	9669.362	9S*(0.5)0-1	4P (1.5)E-1
9787.245	10P (2.5)E-3	3D*(2.5)0-2	9665.424	4S (1.5)0-2	3P (0.5)E-1
9786.867	7P*(1.5)E-1	3D (1.5)0-2	9649.571	10S*(0.5)0-1	4P (2.5)E-2
9781.998	10P (1.5)E-2	3D*(2.5)0-3	9642.262	6P (0.5)E-1	4S*(0.5)0-0
9781.312	7P*(1.5)E-2	3D (1.5)0-2	9632.798	13D (0.5)0-1	4P (2.5)E-2
9781.023	10S*(0.5)0-1	4P (1.5)E-2	9632.177	13D (3.5)0-3	4P (2.5)E-2
9780.542	10P (1.5)E-2	3D*(2.5)0-2	9622.627	7P*(0.5)E-1	3D (0.5)0-1
9780.542	10P (1.5)E-1	3D*(2.5)0-2	9613.242	11D*(1.5)0-1	4P (0.5)E-0
9778.730	7P*(0.5)E-1	3D (1.5)0-2	9579.354	11P (1.5)E-2	3D*(1.5)0-1
9775.402	13S (1.5)E-2	4P (2.5)E-2	9579.354	11P (1.5)E-1	3D*(1.5)0-1
9774.343	8P (0.5)E-1	3D (0.5)0-1	9573.960	6P (0.5)E-0	4S*(0.5)0-1
9773.013	10P (0.5)E-0	3D*(1.5)0-1	9569.168	13D (3.5)0-4	4P (2.5)E-3
9772.813	13S (1.5)0-1	4P (2.5)E-2	9569.105	13D (3.5)0-3	4P (2.5)E-3
9766.842	7P*(1.5)E-2	3D (3.5)0-3	9566.431	9D*(2.5)0-2	4P (2.5)E-2

λ	Upper State	Lower State	λ	Upper State	Lower State
9566.394	9D*(1.5)0-2	4P (2.5)E-2	9443.839	8F*(3.5) -3	3D*(2.5)0-2
9566.385	9D*(2.5)0-3	4P (2.5)E-2	9442.800	9P (2.5)E-2	3D (2.5)0-2
9564.152	12S (1.5)0-2	4P (1.5)E-1	9440.294	9P (1.5)E-2	3D (2.5)0-3
9563.241	9D*(1.5) -1	4P (2.5)E-2	9438.700	9P (1.5)E-1	3D (2.5)0-2
9564.965	11P (1.5)E-2	3D*(1.5)0-2	9438.700	9P (1.5)E-2	3D (2.5)0-2
9564.963	11P (1.5)E-1	3D*(1.5)0-2	9435.072	10D*(2.5)0-2	4P (1.5)E-1
9562.648	12S (1.5)0-1	4P (1.5)E-1	9435.027	10D*(1.5)0-2	4P (1.5)E-1
9558.039	6P (1.5)E-1	4S*(0.5)0-3	9434.102	10D*(1.5)0-1	4P (1.5)E-1
9556.301	11P (1.5)E-2	3D*(2.5)0-3	9433.028	3D (1.5)0-1	3P*(0.5)E-1
9554.612	11P (1.5)E-2	3D*(2.5)0-2	9426.542	8F (1.5)E-2	3D (1.5)0-2
9554.612	11P (1.5)E-1	3D*(2.5)0-2	9426.542	9F (1.5)E-1	3D (1.5)0-2
9549.252	8D*(1.5)0-2	4P (1.5)E-1	9425.381	3D (0.5)0-1	3P (0.5)E-0
9549.088	8D*(2.5)0-2	4P (1.5)E-1	9424.730	8F (2.5)E-3	3D (1.5)0-2
9547.469	8D*(1.5)0-1	4P (1.5)E-1	9424.730	8F (2.5)E-2	3D (1.5)0-2
9547.428	3D (0.5)0-3	3P*(0.5)E-1	9424.114	13S (1.5)0-2	4P (1.5)E-1
9534.165	3D (0.5)0-1	3P*(0.5)E-1	9423.894	8F (3.5)E-3	3D (1.5)0-2
9521.636	11D (0.5)0-3	4P (1.5)E-1	9421.680	13S (1.5)0-1	4P (1.5)E-1
9521.192	11D (2.5)0-1	4P (1.5)E-1	9413.102	8F (1.5)E-2	3D (3.5)0-3
9519.284	11D (1.5)0-2	4P (1.5)E-1	9412.323	8F (4.5)E-4	3D (3.5)0-3
9518.391	11D (2.5)0-2	4P (1.5)E-1	9411.295	8F (2.5)E-3	3D (3.5)0-3
9516.715	11S*(0.5)0-1	4P (1.5)E-2	9411.295	8F (2.5)E-2	3D (3.5)0-3
9511.012	8F (1.5)E-2	3D (2.5)0-3	9410.754	8F (4.5)E-3	3D (3.5)0-4
9510.217	8F (4.5)E-4	3D (2.5)0-3	9410.754	8F (4.5)E-4	3D (3.5)0-4
9509.394	8F (1.5)E-2	3D (2.5)0-2	9410.461	8F (3.5)E-4	3D (3.5)0-3
9509.394	8F (1.5)E-1	3D (2.5)0-2	9410.461	8F (3.5)E-3	3D (3.5)0-3
9509.167	8F (2.5)E-2	3D (2.5)0-3	9409.726	8F (2.5)E-3	3D (3.5)0-4
9509.157	8F (2.5)E-3	3D (2.5)0-3	9408.892	8F (3.5)E-4	3D (3.5)0-4
9508.316	8F (3.5)E-4	3D (2.5)0-3	9408.892	8F (3.5)E-3	3D (3.5)0-4
9508.316	8F (3.5)E-3	3D (2.5)0-3	9404.975	9P*(1.5)E-2	3D*(1.5)0-1
9507.550	8F (2.5)E-2	3D (2.5)0-2	9403.150	9P (0.5)E-1	3D (1.5)0-1
9507.550	8F (2.5)E-3	3D (2.5)0-2	9392.227	11S*(0.5)0-1	4P (2.5)E-2
9506.698	8F (3.5)E-3	3D (2.5)0-2	9391.105	9P*(1.5)E-2	3D*(1.5)0-2
9504.215	9D*(2.5)0-2	4P (2.5)E-3	9390.881	12D (0.5)0-1	4P (1.5)E-1
9504.177	9D*(1.5)0-2	4P (2.5)E-3	9389.599	12D (1.5)0-2	4P (1.5)E-1
9504.169	9D*(2.5)0-3	4P (2.5)E-3	9388.605	12D (2.5)0-2	4P (1.5)E-1
9496.419	11S*(0.5)0-2	4P (1.5)E-1	9386.904	9P (2.5)E-2	3D (1.5)0-1
9493.462	11S*(0.5)0-1	4P (1.5)E-1	9382.852	9P (1.5)E-2	3D (1.5)0-1
9485.681	4S (1.5)0-1	3P (0.5)E-1	9382.852	9P (1.5)E-1	3D (1.5)0-1
9468.010	8F*(2.5)E-2	3D*(1.5)0-1	9382.463	9P*(1.5)E-2	3D*(2.5)0-3
9459.240	9P (0.5)E-1	3D (2.5)0-2	9381.124	9P*(1.5)E-2	3D*(2.5)0-2
9459.211	3D (1.5)0-2	3P*(0.5)E-1	9377.257	9P (0.5)E-1	3D (1.5)0-2
9458.040	10D*(2.5)0-2	4P (1.5)E-2	9377.228	3D (2.5)0-2	3P*(0.5)E-1
9457.994	10D*(1.5)0-2	4P (1.5)E-2	9376.834	9P*(0.5)E-3	3D*(1.5)0-1
9457.977	10D*(2.5)0-3	4P (1.5)E-2	9373.311	3D (0.5)0-1	3P*(1.5)E-2
9457.064	10D*(1.5)0-1	4P (1.5)E-2	9365.135	9P (2.5)E-3	3D (1.5)0-2
9453.953	8F*(3.5)0-3	3D*(1.5)0-2	9361.100	9P (2.5)E-2	3D (1.5)0-2
9453.953	8F*(2.5)E-2	3D*(1.5)0-2	9357.070	9P (1.5)E-1	3D (1.5)0-2
9453.953	8F*(2.5)E-3	3D*(1.5)0-2	9357.070	9P (1.5)E-2	3D (1.5)0-2
9452.709	8F (1.5)E-2	3D (1.5)0-1	9353.264	8F (1.5)E-2	3D (0.5)0-1
9452.709	8F (1.5)E-1	3D (1.5)0-1	9353.264	8F (1.5)E-1	3D (0.5)0-1
9450.887	8F (2.5)E-2	3D (1.5)0-1	9351.870	9P (2.5)E-3	3D (3.5)0-3
9448.504	9P (2.5)E-3	3D (2.5)0-3	9351.480	8F (2.5)E-2	3D (0.5)0-1
9446.906	9P (2.5)E-3	3D (2.5)0-2	9351.344	9P (0.5)E-3	3D (1.5)0-1
9445.196	8F*(2.5)E-2	3D*(2.5)0-3	9350.320	9P (2.5)E-3	3D (3.5)0-4
9445.196	8F*(3.5)0-3	3D*(2.5)0-3	9347.846	9P (2.5)E-2	3D (3.5)0-3
9445.195	8F*(3.5)E-4	3D*(2.5)0-3	9343.827	9P (1.5)E-2	3D (3.5)0-3
9445.196	8F*(2.5)E-3	3D*(2.5)0-3	9340.554	8F (1.5)E-1	3D (0.5)0-0
9444.395	9P (2.5)E-2	3D (2.5)0-3	9335.072	10D*(2.5)0-2	4P (2.5)E-2
9443.839	8F*(2.5)E-3	3D*(2.5)0-2	9335.027	10D*(1.5)0-2	4P (2.5)E-2
9443.839	8F*(2.5)E-2	3D*(2.5)0-2	9335.010	10D*(2.5)0-3	4P (2.5)E-2

λ	Upper State	Lower State	λ	Upper State	Lower State
9334.122	10D*(1.5)0-1	4P (2.5)E-2	9190.880	7F*(3.5)E-4	3D (3.5)0-3
9326.508	3D (1.5)0-1	3P (0.5)E-2	9190.880	7F*(2.5)E-3	3D (3.5)0-3
9313.976	3D (3.5)0-3	3P*(1.5)E-2	9189.384	7F*(3.5)E-4	3D (3.5)0-4
9313.407	5F (1.5)E-2	4S (1.5)0-1	9189.384	7F*(2.5)E-3	3D (3.5)0-4
9313.407	5F (1.5)E-1	4S (1.5)0-1	9189.384	7F*(3.5)E-3	3D (3.5)0-4
9310.698	10S*(0.5)0-1	4P (1.5)E-1	9171.809	11D*(2.5)0-2	4P (2.5)E-2
9310.588	3D (0.5)0-1	3P*(1.5)E-1	9170.758	11D*(2.5)0-3	4P (2.5)E-2
9307.083	10S*(0.5)0-1	4P (1.5)E-1	9170.405	11D*(1.5)0-1	4P (2.5)E-2
9305.899	5F (2.5)E-2	4S (1.5)0-1	9155.522	10P (0.5)E-1	3D (2.5)0-2
9304.740	9P (0.5)E-1	3D (0.5)0-1	9153.591	10P (2.5)E-3	3D (2.5)0-3
9300.855	3D (1.5)0-2	3P*(1.5)E-2	9152.003	10P (2.5)E-3	3D (2.5)0-2
9297.993	3D (0.5)0-1	3P*(1.5)E-1	9149.787	8P*(0.5)E-1	3D (1.5)0-1
9292.161	9P (0.5)E-1	3D (0.5)0-0	9148.674	3D (2.5)0-2	3P*(1.5)E-1
9291.469	13D (0.5)0-1	4P (1.5)E-1	9147.639	10P (1.5)E-2	3D (2.5)0-3
9289.459	11D*(2.5)0-2	4P (1.5)E-2	9147.334	5F (1.5)E-2	4S (1.5)0-2
9289.407	11D*(2.5)0-3	4P (1.5)E-2	9147.334	5F (1.5)E-1	4S (1.5)0-2
9289.045	11D*(1.5)0-1	4P (1.5)E-2	9146.141	10P (1.5)E-2	3D (2.5)0-2
9288.832	9P (2.5)E-2	3D (0.5)0-1	9146.141	10P (1.5)E-1	3D (2.5)0-2
9284.854	9P (1.5)E-2	3D (0.5)0-1	9140.920	8P*(1.5)E-2	3D (1.5)0-1
9284.854	9P (1.5)E-1	3D (0.5)0-1	9140.092	5F (2.5)E-3	4S (1.5)0-2
9284.199	7F*(2.5)E-3	3D (2.5)0-3	9140.092	5F (2.5)E-2	4S (1.5)0-2
9284.199	7F*(2.5)E-2	3D (2.5)0-3	9139.749	9F (2.5)E-2	3D (1.5)0-1
9284.199	7F*(3.5)E-4	3D (2.5)0-3	9136.651	5F (3.5)E-3	4S (1.5)0-2
9284.199	7F*(3.5)E-3	3D (2.5)0-3	9133.826	7F*(2.5)E-2	3D (0.5)0-1
9282.657	7F*(2.5)E-2	3D (2.5)0-2	9128.120	6P (0.5)E-1	4S (1.5)0-1
9282.657	7F*(3.5)E-3	3D (2.5)0-2	9125.269	8P*(0.5)E-1	3D (1.5)0-2
9282.657	7F*(2.5)E-3	3D (2.5)0-2	9118.992	8P*(0.5)E-1	3D (1.5)0-1
9275.819	10D*(2.5)0-2	4P (2.5)E-3	9116.448	8P*(1.5)E-2	3D (1.5)0-2
9275.775	10D*(1.5)0-2	4P (2.5)E-3	9115.285	9F (2.5)E-2	3D (1.5)0-2
9275.758	10D*(2.5)0-3	4P (2.5)E-3	9115.285	9F (2.5)E-3	3D (1.5)0-2
9275.521	3D (1.5)0-1	3P*(1.5)E-2	9114.869	9F (3.5)E-3	3D (1.5)0-2
9272.339	9P (1.5)E-1	3D (0.5)0-0	9113.616	11D*(2.5)0-2	4P (2.5)E-3
9271.195	5F*(2.5)E-2	4S*(0.5)0-1	9113.566	11D*(2.5)0-3	4P (2.5)E-3
9267.302	11D*(2.5)0-2	4P (1.5)E-1	9113.877	8P*(1.5)E-2	3D (3.5)0-3
9266.890	11D*(1.5)0-1	4P (1.5)E-1	9103.521	9F (4.5)E-4	3D (3.5)0-3
9254.009	9P (0.5)E-3	3D (0.5)0-1	9102.966	10P (0.5)E-1	3D (1.5)0-1
9229.717	9D*(2.5)0-2	4P (1.5)E-1	9102.717	9F (2.5)E-3	3D (3.5)0-3
9229.682	9D*(1.5)0-2	4P (1.5)E-1	9102.717	9F (2.5)E-2	3D (3.5)0-3
9228.635	7F*(2.5)E-2	3D (1.5)0-1	9102.302	9F (3.5)E-4	3D (3.5)0-3
9228.609	9D*(1.5)0-1	4P (1.5)E-1	9102.302	9F (3.5)E-3	3D (3.5)0-3
9226.692	3D (1.5)0-2	3P*(1.5)E-1	9102.053	9F (4.5)E-5	3D (3.5)0-4
9221.582	3D (2.5)0-2	3P*(1.5)E-2	9102.053	9F (4.5)E-4	3D (3.5)0-4
9220.061	3D (2.5)0-3	3P*(1.5)E-2	9101.249	9F (2.5)E-3	3D (3.5)0-4
9203.693	7F*(2.5)E-3	3D (1.5)0-2	9100.834	9F (3.5)E-4	3D (3.5)0-4
9203.693	7F*(2.5)E-2	3D (1.5)0-2	9100.834	9F (3.5)E-3	3D (3.5)0-4
9203.693	7F*(3.5)E-3	3D (1.5)0-2	9093.693	10P (1.5)E-2	3D (1.5)0-1
9202.887	8P*(0.5)E-1	3D (2.5)0-2	9093.693	10P (1.5)E-1	3D (1.5)0-1
9201.760	3D (1.5)0-1	3P*(1.5)E-1	9078.697	10P (0.5)E-1	3D (1.5)0-2
9195.429	8P*(1.5)E-2	3D (2.5)0-3	9075.237	10P (2.5)E-3	3D (1.5)0-2
9195.066	9F (4.5)E-4	3D (2.5)0-3	9073.037	6P (2.5)E-2	4S (1.5)0-1
9194.245	9F (2.5)E-2	3D (2.5)0-3	9070.153	11S*(0.5)0-3	4P (1.5)E-1
9194.245	9F (2.5)E-3	3D (2.5)0-3	9069.473	10P (1.5)E-1	3D (1.5)0-2
9193.916	8P*(1.5)E-2	3D (2.5)0-2	9069.473	10P (1.5)E-2	3D (1.5)0-2
9193.822	9F (3.5)E-4	3D (2.5)0-3	9067.455	11S*(0.5)0-1	4P (1.5)E-1
9193.822	9F (3.5)E-3	3D (2.5)0-3	9064.915	10P (0.5)E-3	3D (1.5)0-1
9192.732	9F (2.5)E-3	3D (2.5)0-2	9062.779	10P (2.5)E-3	3D (3.5)0-3
9192.732	9F (2.5)E-2	3D (2.5)0-2	9061.324	10P (2.5)E-3	3D (3.5)0-4
9192.310	9F (3.5)E-3	3D (2.5)0-2	9057.031	10P (1.5)E-2	3D (3.5)0-3
9190.880	7F*(3.5)E-3	3D (3.5)0-3	9056.583	8P*(0.5)E-1	3D (0.5)0-1
9190.880	7F*(2.5)E-2	3D (3.5)0-3	9052.622	6P (1.5)E-1	4S (1.5)0-1

λ	Upper State	Lower State
9052.389	6P*(0.5)E-1	4S*(0.5)0-1
9049.066	6P (1.5)E-2	4S (1.5)0-1
9047.895	8P*(1.5)E-2	3D (0.5)0-1
9046.991	6P*(1.5)E-1	4S*(0.5)0-1
9046.748	9F (2.5)E-2	3D (0.5)0-1
9044.665	8P*(0.5)E-1	3D (0.5)0-0
9036.973	6P*(1.5)E-2	4S*(1.5)0-1
9026.411	8P*(0.5)E-0	3D (0.5)0-1
9014.174	10D*(2.5)0-2	4P (1.5)E-1
9014.133	10D*(1.5)0-2	4P (1.5)E-1
9013.288	10D*(1.5)0-1	4P (1.5)E-1
9010.708	10P (0.5)E-1	3D (0.5)0-1
9001.622	10P (1.5)E-2	3D (0.5)0-1
9001.622	10P (1.5)E-1	3D (0.5)0-1
8998.911	10P (0.5)E-1	3D (0.5)0-0
8989.848	10P (1.5)E-1	3D (0.5)0-0
8988.568	4S*(0.5)0-0	3P (0.5)E-1
8973.423	10P (0.5)E-0	3D (0.5)0-1
8968.533	6P (0.5)E-1	4S (1.5)0-2
8962.333	6P*(0.5)E-0	4S*(0.5)0-1
8949.706	11P (1.5)E-2	3D (2.5)0-3
8948.273	11P (1.5)E-1	3D (2.5)0-2
8948.273	11P (1.5)E-2	3D (2.5)0-2
8941.495	6P (0.5)E-0	4S (1.5)0-1
8929.249	6P (2.5)E-0	4S (1.5)0-2
8927.391	6P*(0.5)E-1	4S*(0.5)0-0
8922.141	6P*(1.5)E-1	4S*(0.5)0-0
8919.502	3D (0.5)0-1	3P (1.5)E-2
8915.354	6P (2.5)E-2	4S (1.5)0-2
8899.063	11P (1.5)E-1	3D (1.5)0-1
8898.063	11P (1.5)E-2	3D (1.5)0-1
8895.641	6P (1.5)E-1	4S (1.5)0-2
8892.208	6P (1.5)E-2	4S (1.5)0-2
8874.873	11P (1.5)E-1	3D (1.5)0-2
8874.873	11P (1.5)E-2	3D (1.5)0-2
8865.758	3D (3.5)0-3	3P (1.5)E-2
8865.314	4S*(0.5)0-1	3P (0.5)E-1
8862.959	11P (1.5)E-2	3D (3.5)0-3
8860.917	11D*(2.5)0-2	4P (1.5)E-1
8860.540	11D*(1.5)0-1	4P (1.5)E-1
8853.868	3D (1.5)0-2	3P (1.5)E-2
8852.444	8F*(2.5)E-0	3D (2.5)0-3
8852.444	8F*(3.5)E-4	3D (2.5)0-3
8852.444	8F*(3.5)0-0	3D (2.5)0-3
8852.444	8F*(2.5)E-2	3D (2.5)0-3
8851.042	8F*(2.5)0-2	3D (2.5)0-2
8851.042	8F*(3.5)0-3	3D (2.5)0-2
8851.042	8F*(2.5)E-0	3D (2.5)0-2
8830.908	3D (1.5)0-1	3P (1.5)E-2
8815.030	6F (1.5)E-1	4S*(0.5)0-1
8815.030	6F (1.5)E-2	4S*(0.5)0-1
8811.200	6F (2.5)E-2	4S*(0.5)0-1
8809.891	11P (1.5)E-2	3D (0.5)0-1
8809.891	11P (1.5)E-1	3D (0.5)0-1
8801.914	8F*(2.5)E-2	3D (1.5)0-1
8798.614	11P (1.5)E-1	3D (0.5)0-0
8797.315	9P*(1.5)E-2	3D (2.5)0-3
8795.930	9P*(1.5)E-2	3D (2.5)0-2
8792.505	3D*(2.5)0-2	3P*(0.5)E-1
8783.755	3D*(1.5)0-2	3P*(0.5)E-1
8782.002	3D (2.5)0-2	3P (1.5)E-2
8780.622	3D (2.5)0-3	3P (1.5)E-2
8779.222	8F*(3.5)0-3	3D (1.5)0-2
8779.222	8F*(2.5)E-2	3D (1.5)0-2
8779.222	8F*(2.5)E-3	3D (1.5)0-2
8778.735	3D (0.5)0-0	3P (1.5)E-1
8771.636	3D*(1.5)0-1	3P*(0.5)E-1
8767.563	8F*(2.5)E-2	3D (3.5)0-3
8767.563	8F*(3.5)0-3	3D (3.5)0-3
8767.563	8F*(3.5)E-4	3D (3.5)0-3
8767.563	8F*(2.5)E-3	3D (3.5)0-3
8767.537	3D (0.5)0-1	3P (1.5)E-1
8766.201	8F*(3.5)E-4	3D (3.5)0-4
8766.201	8F*(3.5)0-3	3D (3.5)0-4
8766.201	8F*(2.5)E-3	3D (3.5)0-4
8747.410	9P*(1.5)E-2	3D (1.5)0-1
8724.998	9P*(1.5)E-2	3D (1.5)0-2
8723.062	9P*(0.5)E-0	3D (1.5)0-1
8715.628	8F*(2.5)E-2	3D (0.5)0-1
8713.493	9P*(1.5)E-2	3D (3.5)0-3
8712.405	7P (0.5)E-1	4S*(0.5)0-1
8704.113	3D (1.5)0-2	3P (1.5)E-1
8696.458	5F (1.5)E-1	4S*(0.5)0-0
8686.409	7P (2.5)E-2	4S*(0.5)0-1
8681.921	3D (1.5)0-1	3P (1.5)E-1
8679.492	3D*(1.5)0-1	3P (0.5)E-0
8676.851	5F*(2.5)E-2	4S (1.5)0-1
8675.622	7P (1.5)E-1	4S*(0.5)0-1
8673.952	7P (1.5)E-2	4S*(0.5)0-1
8662.185	9P*(1.5)E-2	3D (0.5)0-1
8655.523	3D*(2.5)0-2	3P*(1.5)E-2
8654.383	3D*(2.5)0-3	3P*(1.5)E-2
8647.044	3D*(1.5)0-2	3P*(1.5)E-2
8638.308	9P*(0.5)E-0	3D (0.5)0-1
8635.318	3D*(1.5)0-1	3P*(1.5)E-2
8634.648	3D (2.5)0-2	3P (1.5)E-1
8607.759	7P (0.5)E-0	4S*(0.5)0-1
8596.559	7P (0.5)E-1	4S*(0.5)0-0
8591.259	3D*(2.5)0-2	3P*(1.5)E-1
8582.906	3D*(1.5)0-2	3P*(1.5)E-1
8571.353	3D*(1.5)0-1	3P*(1.5)E-1
8567.745	7P (1.5)E-1	4S*(0.5)0-0
8544.699	3D (0.5)0-1	3P (2.5)E-2
8532.529	5F*(2.5)E-3	4S (1.5)0-2
8532.529	5F*(2.5)E-2	4S (1.5)0-2
8495.363	3D (3.5)0-3	3P (2.5)E-2
8484.910	6P*(0.5)E-1	4S (1.5)0-1
8484.446	3D (1.5)0-2	3P (2.5)E-2
8480.167	6P*(1.5)E-1	4S (1.5)0-1
8471.364	6P*(1.5)E-2	4S (1.5)0-1
8463.359	3D (1.5)0-1	3P (2.5)E-2
8418.430	3D (2.5)0-2	3P (2.5)E-2
8417.161	3D (2.5)0-3	3P (2.5)E-2
8405.741	6P*(0.5)E-0	4S (1.5)0-1
8377.607	3D (3.5)0-4	3P (2.5)E-3
8376.363	3D (3.5)0-3	3P (2.5)E-3
8365.749	3D (1.5)0-2	3P (2.5)E-3
8346.851	6P*(0.5)E-1	4S (1.5)0-2
8342.261	6P*(1.5)E-1	4S (1.5)0-2
8333.742	6P*(1.5)E-2	4S (1.5)0-2

λ	Upper State	Lower State	λ	Upper State	Lower State
8301.561	3D (2.5)E-2	3P (2.5)E-3	7814.793	9P (0.5)E-1	4S*(0.5)0-1
8300.327	3D (2.5)0-3	3P (2.5)E-3	7790.440	8F (1.5)E-1	4S*(0.5)0-0
8276.033	6F (1.5)E-1	4S (1.5)0-1	7771.674	6F*(2.5)E-2	4S (1.5)0-1
8276.033	6F (1.5)E-2	4S (1.5)0-1	7756.747	9P (0.5)E-1	4S*(0.5)0-0
8272.657	6F (2.5)E-2	4S (1.5)0-1	7755.450	7F (1.5)E-1	4S (1.5)0-1
8267.116	3D*(2.5)0-2	3P (1.5)E-2	7755.450	7F (1.5)E-2	4S (1.5)0-1
8266.076	3D*(2.5)0-3	3P (1.5)E-2	7753.345	7F (2.5)E-2	4S (1.5)0-1
8259.381	3D*(1.5)0-2	3P (1.5)E-2	7742.930	9P (1.5)E-1	4S*(0.5)0-0
8248.682	3D*(1.5)0-1	3P (1.5)E-2	7728.911	7F*(2.5)E-2	4S*(0.5)0-1
8245.099	6F*(2.5)E-2	4S*(0.5)0-1	7724.624	5S (1.5)0-1	3P*(0.5)E-0
8226.840	7F (1.5)E-2	4S*(0.5)0-1	7716.165	8P (0.5)E-1	4S (1.5)0-1
8226.840	7F (1.5)E-1	4S*(0.5)0-1	7692.712	8P (2.5)E-2	4S (1.5)0-1
8224.471	7F (2.5)E-2	4S*(0.5)0-1	7688.806	8P (1.5)E-1	4S (1.5)0-1
8185.510	7P (0.5)E-1	4S (1.5)0-1	7685.969	8P (1.5)E-2	4S (1.5)0-1
8182.648	8P (0.5)E-1	4S*(0.5)0-1	7674.700	7P*(1.5)E-1	4S (1.5)0-1
8162.559	7P (2.5)E-2	4S (1.5)0-1	7673.581	8P*(0.5)E-1	4S*(0.5)0-1
8156.278	8P (2.5)E-2	4S*(0.5)0-1	7671.284	7P*(1.5)E-2	4S (1.5)0-1
8153.033	7P (1.5)E-1	4S (1.5)0-1	7669.695	7P*(0.5)E-1	4S (1.5)0-1
8151.888	8P (1.5)E-1	4S*(0.5)0-1	7669.518	8P (0.5)E-0	4S (1.5)0-1
8151.558	7P (1.5)E-2	4S (1.5)0-1	7667.293	8P*(1.5)E-2	4S*(0.5)0-1
8148.699	8P (1.5)E-2	4S*(0.5)0-1	7666.469	9F (2.5)E-2	4S*(0.5)0-1
8144.636	6F (1.5)E-2	4S (1.5)0-2	7655.691	6F*(2.5)E-3	4S (1.5)0-2
8144.636	6F (1.5)E-1	4S (1.5)0-2	7655.691	6F*(2.5)E-2	4S (1.5)0-2
8141.366	6F (2.5)E-3	4S (1.5)0-2	7655.568	6F*(3.5)E-3	4S (1.5)0-2
8141.366	6F (2.5)E-2	4S (1.5)0-2	7651.859	8P*(0.5)E-0	4S*(0.5)0-1
8139.842	6F (3.5)E-3	4S (1.5)0-2	7649.572	10P (0.5)E-1	4S*(0.5)0-1
8136.405	3D*(2.5)0-2	3P (1.5)E-1	7639.947	7F (1.5)E-2	4S (1.5)0-2
8136.033	7P*(1.5)E-1	4S*(0.5)0-1	7639.947	7F (1.5)E-1	4S (1.5)0-2
8132.194	7P*(1.5)E-2	4S*(0.5)0-1	7637.904	7F (2.5)E-2	4S (1.5)0-2
8130.409	7P*(0.5)E-1	4S*(0.5)0-1	7637.904	7F (2.5)E-3	4S (1.5)0-2
8130.210	8P (0.5)E-0	4S*(0.5)0-1	7637.175	7F (3.5)E-3	4S (1.5)0-2
8128.912	3D*(1.5)0-2	3P (1.5)E-1	7634.038	10P (1.5)E-2	4S*(0.5)0-1
8123.470	7F (1.5)E-1	4S*(0.5)0-0	7634.038	10P (1.5)E-1	4S*(0.5)0-1
8118.549	3D*(1.5)0-1	3P (1.5)E-1	7621.305	7P*(0.5)E-0	4S (1.5)0-1
8093.071	7P (0.5)E-0	4S (1.5)0-1	7613.747	10P (0.5)E-0	4S*(0.5)0-1
8082.459	3P (0.5)E-1	3S*(0.5)0-1	7601.821	8P (0.5)E-1	4S (1.5)0-2
8080.379	8P (0.5)E-1	4S*(0.5)0-0	7583.522	8P*(0.5)E-1	4S*(0.5)0-0
8076.051	7P*(0.5)E-0	4S*(0.5)0-1	7581.758	8P (2.5)E-3	4S (1.5)0-2
8056.948	7P (0.5)E-1	4S (1.5)0-2	7579.057	8P (2.5)E-2	4S (1.5)0-2
8050.382	8P (1.5)E-1	4S*(0.5)0-0	7575.265	8P (1.5)E-1	4S (1.5)0-2
8041.724	7P (2.5)E-3	4S (1.5)0-2	7572.512	8P (1.5)E-2	4S (1.5)0-2
8034.919	7P*(1.5)E-1	4S*(0.5)0-0	7561.572	7P*(1.5)E-1	4S (1.5)0-2
8034.712	7P (2.5)E-2	4S (1.5)0-2	7558.256	7P*(1.5)E-2	4S (1.5)0-2
8029.433	7P*(0.5)E-1	4S*(0.5)0-0	7556.714	7P*(0.5)E-1	4S (1.5)0-2
8025.482	7P (1.5)E-1	4S (1.5)0-2	7551.331	10P (0.5)E-1	4S*(0.5)0-0
8024.053	7P (1.5)E-2	4S (1.5)0-2	7544.948	10P (1.5)E-1	4S*(0.5)0-0
7944.142	3D*(2.5)0-2	3P (2.5)E-2	7544.046	3D (0.5)0-0	3P (0.5)E-1
7943.182	3D*(2.5)0-3	3P (2.5)E-2	7535.775	3D (0.5)0-1	3P (0.5)E-1
7936.999	3D*(1.5)0-2	3P (2.5)E-2	7495.692	11P (1.5)E-2	4S*(0.5)0-1
7927.118	3D*(1.5)0-1	3P (2.5)E-2	7495.692	11P (1.5)E-1	4S*(0.5)0-1
7885.458	8F (1.5)E-1	4S*(0.5)0-1	7488.872	3D (1.5)0-2	3P (0.5)E-1
7885.458	8F (1.5)E-2	4S*(0.5)0-1	7472.439	3D (1.5)0-1	3P (0.5)E-1
7884.190	8F (2.5)E-2	4S*(0.5)0-1	7451.345	8F (1.5)E-2	4S (1.5)0-1
7850.940	9P (0.5)E-1	4S*(0.5)0-1	7451.345	8F (1.5)E-1	4S (1.5)0-1
7839.989	3D*(2.5)0-2	3P (2.5)E-3	7450.213	8F (2.5)E-2	4S (1.5)0-1
7839.612	9P (2.5)E-2	4S*(0.5)0-1	7438.899	3P (0.5)E-1	3S*(0.5)0-0
7839.054	3D*(2.5)0-1	3P (2.5)E-3	7427.392	3D (2.5)0-2	3P (0.5)E-1
7836.785	9P (1.5)E-2	4S*(0.5)0-1	7427.345	8F*(2.5)E-2	4S*(0.5)0-1
7836.785	9P (1.5)E-1	4S*(0.5)0-1	7420.516	9P (0.5)E-1	4S (1.5)0-1
7833.031	3D*(1.5)0-2	3P (2.5)E-3	7418.395	9P (2.5)E-2	4S (1.5)0-1

NEON TRANSITIONS BY WAVELENGTHS

λ	Upper State	Lower State	λ	Upper State	Lower State
7409.784	11P (1.5)E-1	4S*(0.5)0-0	6738.039	4D*(1.5)0-1	3P*(0.5)E-0
7407.870	9P (1.5)E-2	4S (1.5)0-1	6721.184	5S (1.5)0-1	3P*(0.5)E-1
7407.870	9P (1.5)E-1	4S (1.5)0-1	6717.043	3P*(1.5)E-1	3S*(0.5)0-1
7388.498	9P*(1.5)E-2	4S*(0.5)0-1	6678.331	5S (1.5)0-2	3P*(1.5)E-2
7388.215	9P (0.5)E-0	4S (1.5)0-1	6678.276	3P*(1.5)E-2	3S*(0.5)0-1
7371.120	9P*(0.5)E-0	4S*(0.5)0-1	6666.893	5S (1.5)0-1	3P (0.5)E-0
7344.661	8F (1.5)E-2	4S (1.5)0-2	6652.043	3P (0.5)0-0	3S*(0.5)0-1
7344.661	8F (1.5)E-1	4S (1.5)0-2	6640.796	5S (1.5)0-1	3P*(1.5)E-2
7343.561	8F (2.5)E-2	4S (1.5)0-2	6640.009	5S (1.5)0-2	3P*(1.5)E-1
7343.561	8F (2.5)E-3	4S (1.5)0-2	6632.902	5S (1.5)0-1	3P*(1.5)E-1
7343.053	8F (3.5)E-3	4S (1.5)0-2	6598.954	3P*(0.5)E-1	3S*(0.5)0-1
7314.706	9P (0.5)E-1	4S (1.5)0-2	6532.883	3P (1.5)E-1	3S*(0.5)0-0
7311.408	7F*(2.5)E-2	4S (1.5)0-1	6506.527	3P (2.5)E-2	3S (1.5)0-1
7307.329	9P (2.5)E-3	4S (1.5)0-2	6444.710	5S (1.5)0-2	3P (1.5)E-2
7304.872	9P (2.5)E-2	4S (1.5)0-2	6421.734	5S*(0.5)0-0	3P*(0.5)E-1
7304.841	5S*(0.5)0-1	3P*(0.5)E-0	6409.746	5S (1.5)0-1	3P (1.5)E-2
7302.417	9P (1.5)E-2	4S (1.5)0-2	6402.246	3P (2.5)E-3	3S (1.5)0-2
7302.417	9P (1.5)E-1	4S (1.5)0-2	6401.073	5S*(0.5)0-1	3P*(0.5)E-1
7261.830	8P*(0.5)E-1	4S (1.5)0-1	6382.992	3P (1.5)E-1	3S (1.5)0-1
7256.243	8P*(1.5)E-2	4S (1.5)0-1	6364.997	5S (1.5)0-2	3P (1.5)E-1
7255.505	9F (2.5)E-2	4S (1.5)0-1	6351.854	5S*(0.5)0-1	3P (0.5)E-0
7245.166	3P (0.5)E-1	3S (1.5)0-1	6334.427	3P (2.5)E-2	3S (1.5)0-2
7242.418	8P*(0.5)E-0	4S (1.5)0-1	6330.892	5S (1.5)0-1	3P (1.5)E-1
7232.306	10P (0.5)E-1	4S (1.5)0-1	6328.163	5S*(0.5)0-1	3P*(1.5)E-2
7226.451	10P (1.5)E-1	4S (1.5)0-1	6313.687	5S*(0.5)0-0	3P*(1.5)E-1
7225.451	10P (1.5)E-2	4S (1.5)0-1	6304.789	3P (1.5)E-2	3S (1.5)0-1
7208.665	7F*(2.5)E-2	4S (1.5)0-2	6293.743	5S*(0.5)0-1	3P*(1.5)E-1
7208.665	7F*(3.5)E-3	4S (1.5)0-2	6276.037	4D (0.5)0-0	3P*(0.5)E-1
7208.665	7F*(2.5)E-3	4S (1.5)0-2	6273.012	4D (0.5)0-1	3P*(0.5)E-1
7208.266	10P (0.5)E-0	4S (1.5)0-1	6256.495	3P*(1.5)E-1	3S*(0.5)0-0
7173.938	3P (2.5)E-2	3S*(0.5)0-1	6258.789	4D (1.5)0-2	3P*(0.5)E-1
7160.466	8P*(0.5)E-1	4S (1.5)0-2	6252.752	4D (1.5)0-1	3P*(0.5)E-1
7155.034	8P*(1.5)E-2	4S (1.5)0-2	6249.591	5S (1.5)0-1	3P*(0.5)E-0
7154.317	9F (2.5)E-3	4S (1.5)0-2	6246.728	5S (1.5)0-2	3P (2.5)E-2
7154.317	9F (2.5)E-2	4S (1.5)0-2	6244.697	4D (2.5)0-2	3P*(0.5)E-1
7154.061	9F (3.5)E-3	4S (1.5)0-2	6225.734	4D (0.5)0-1	3P (0.5)E-0
7138.535	4D (0.5)0-1	3P*(0.5)E-0	6217.281	3P (1.5)E-1	3S (1.5)0-2
7131.759	10P (0.5)E-1	4S (1.5)0-2	6213.876	5S (1.5)0-1	3P (2.5)E-2
7129.623	10P (2.5)E-3	4S (1.5)0-2	6205.779	4D (1.5)0-1	3P (0.5)E-0
7126.065	10P (1.5)E-1	4S (1.5)0-2	6202.974	4D (0.5)0-1	3P*(1.5)E-2
7126.065	10P (1.5)E-2	4S (1.5)0-2	6193.066	4D (3.5)0-3	3P*(1.5)E-2
7112.311	4D (1.5)0-1	3P*(0.5)E-0	6189.066	4D (1.5)0-2	3P*(1.5)E-2
7102.363	11P (1.5)E-2	4S (1.5)0-1	6183.163	4D (1.5)0-1	3P*(1.5)E-2
7102.363	11P (1.5)E-1	4S (1.5)0-1	6182.148	5S (1.5)0-2	3P (2.5)E-3
7064.759	3D*(2.5)0-2	3P (0.5)E-1	6175.287	4D (2.5)0-2	3P*(1.5)E-2
7059.108	3D*(1.5)0-2	3P (0.5)E-1	6174.883	4D (2.5)0-3	3P*(1.5)E-2
7051.292	3D*(1.5)0-1	3P (0.5)E-1	6172.825	4D (0.5)0-0	3P*(1.5)E-1
7040.971	8F*(2.5)E-2	4S (1.5)0-1	6169.899	4D (0.5)0-1	3P*(1.5)E-1
7032.413	3P (0.5)E-1	3S (1.5)0-2	6163.595	3P*(0.5)E-1	3S*(0.5)0-0
7024.051	3P (1.5)E-1	3S*(0.5)0-1	6156.139	4D (1.5)0-2	3P*(1.5)E-1
7006.052	9P*(1.5)E-2	4S (1.5)0-1	6150.299	4D (1.5)0-1	3P*(1.5)E-1
7005.373	11P (1.5)E-2	4S (1.5)0-2	6143.063	3P (1.5)E-2	3S (1.5)0-2
7005.373	11P (1.5)E-1	4S (1.5)0-2	6142.506	4D (2.5)0-2	3P*(1.5)E-1
6990.424	9P*(0.5)E-0	4S (1.5)0-1	6128.450	3P*(1.5)E-1	3S (1.5)0-1
6945.639	8F*(2.5)E-3	4S (1.5)0-2	6118.013	5S*(0.5)0-1	3P (1.5)E-2
6945.639	8F*(3.5)0-3	4S (1.5)0-2	6096.163	3P*(1.5)E-2	3S (1.5)0-1
6945.639	8F*(2.5)E-2	4S (1.5)0-2	6074.338	3P (0.5)E-0	3S (1.5)0-1
6929.468	3P (1.5)E-2	3S*(0.5)0-1	6064.535	5S*(0.5)0-0	3P (1.5)E-1
6911.656	9P*(1.5)E-2	4S (1.5)0-2	6052.434	5D (0.5)0-1	3P*(0.5)E-0
6759.586	5S (1.5)0-2	3P*(0.5)E-1	6046.132	5S*(0.5)0-1	3P (1.5)E-1

λ	Upper State	Lower State
6041.986	5D (1.5)0-1	3P*(0.5)E-0
6029.997	3P*(0.5)E-1	3S (1.5)0-1
6000.923	4D (0.5)0-1	3P (1.5)E-2
5991.650	4D (3.5)0-3	3P (1.5)E-2
5987.906	4D (1.5)0-2	3P (1.5)E-2
5982.380	4D (1.5)0-1	3P (1.5)E-2
5975.534	3P*(1.5)E-1	3S (1.5)0-2
5975.007	4D (2.5)0-2	3P (1.5)E-2
5974.629	4D (2.5)0-3	3P (1.5)E-2
5966.175	4D*(2.5)0-2	3P*(0.5)E-1
5966.041	6S*(0.5)0-1	3P*(0.5)E-0
5965.472	4D*(1.5)0-2	3P*(0.5)E-1
5961.627	4D*(1.5)0-1	3P*(0.5)E-1
5944.834	3P*(1.5)E-2	3S (1.5)0-2
5939.316	5S*(0.5)0-1	3P (2.5)E-2
5934.456	4D (0.5)0-0	3P (1.5)E-1
5931.751	4D (0.5)0-1	3P (1.5)E-1
5919.033	4D (1.5)0-2	3P (1.5)E-1
5918.911	4D*(1.5)0-1	3P (0.5)E-0
5913.633	4D (1.5)0-1	3P (1.5)E-1
5906.428	4D (2.5)0-2	3P (1.5)E-1
5902.786	4D*(2.5)0-2	3P*(1.5)E-2
5902.464	4D*(2.5)0-3	3P*(1.5)E-2
5902.098	4D*(1.5)0-2	3P*(1.5)E-2
5898.334	4D*(1.5)0-1	3P*(1.5)E-2
5881.896	3P*(0.5)E-1	3S (1.5)0-2
5872.827	4D*(2.5)0-2	3P*(1.5)E-1
5872.146	4D*(1.5)0-2	3P*(1.5)E-1
5868.421	4D*(1.5)0-1	3P*(1.5)E-1
5852.488	3P*(0.5)E-0	3S*(0.5)0-1
5828.905	4D (0.5)0-1	3P (2.5)E-2
5820.155	4D (3.5)0-3	3P (2.5)E-2
5816.623	4D (1.5)0-2	3P (2.5)E-2
5811.408	4D (1.5)0-1	3P (2.5)E-2
5804.450	4D (2.5)0-2	3P (2.5)E-2
5804.093	4D (2.5)0-3	3P (2.5)E-2
5770.315	5D*(1.5)0-1	3P*(0.5)E-0
5764.418	4D (3.5)0-4	3P (2.5)E-3
5764.054	4D (3.5)0-3	3P (2.5)E-3
5760.589	4D (1.5)0-2	3P (2.5)E-3
5748.649	4D (2.5)0-2	3P (2.5)E-3
5748.299	4D (2.5)0-3	3P (2.5)E-3
5719.533	4D*(2.5)0-2	3P (1.5)E-2
5719.227	4D*(2.5)0-3	3P (1.5)E-2
5718.883	4D*(1.5)0-2	3P (1.5)E-2
5715.350	4D*(1.5)0-1	3P (1.5)E-2
5689.816	5S (1.5)0-2	3P (0.5)E-1
5684.660	7S (1.5)0-1	3P*(0.5)E-0
5662.547	5S (1.5)0-1	3P (0.5)E-1
5656.659	4D*(2.5)0-2	3P (1.5)E-1
5656.027	4D*(1.5)0-2	3P (1.5)E-1
5652.570	4D*(1.5)0-1	3P (1.5)E-1
5591.100	6D (0.5)0-1	3P*(0.5)E-0
5589.350	6S (1.5)0-2	3P*(0.5)E-1
5585.910	6D (1.5)0-1	3P*(0.5)E-0
5576.038	6S (1.5)0-1	3P*(0.5)E-1
5563.055	4D*(2.5)0-2	3P (2.5)E-2
5562.768	4D*(2.5)0-3	3P (2.5)E-2
5562.444	4D*(1.5)0-2	3P (2.5)E-2
5559.101	4D*(1.5)0-1	3P (2.5)E-2
5538.651	6S (1.5)0-1	3P (0.5)E-0
5533.678	6S (1.5)0-2	3P*(1.5)E-2
5520.630	6S (1.5)0-1	3P*(1.5)E-2
5511.778	4D*(2.5)0-2	3P (2.5)E-3
5511.497	4D*(2.5)0-3	3P (2.5)E-3
5511.179	4D*(1.5)0-2	3P (2.5)E-3
5507.341	6S (1.5)0-2	3P*(1.5)E-1
5494.416	6S (1.5)0-1	3P*(1.5)E-1
5448.538	5S*(0.5)0-0	3P (0.5)E-1
5447.132	7S*(0.5)0-1	3P*(0.5)E-0
5429.649	5S*(0.5)0-1	3P (0.5)E-1
5420.148	5D (0.5)0-0	3P*(0.5)E-1
5418.552	5D (0.5)0-1	3P*(0.5)E-1
5412.648	5D (1.5)0-2	3P*(0.5)E-1
5410.176	5D (1.5)0-1	3P*(0.5)E-1
5407.465	5D (2.5)0-2	3P*(0.5)E-1
5400.562	3P*(0.5)E-0	3S (1.5)0-1
5398.431	8S (1.5)0-1	3P*(0.5)E-0
5383.240	5D (1.5)0-1	3P (0.5)E-0
5374.973	5D (1.5)0-1	3P (0.5)E-0
5372.310	6S (1.5)0-2	3P (1.5)E-2
5366.214	5D (0.5)0-1	3P*(1.5)E-2
5362.230	5D (3.5)0-3	3P*(1.5)E-2
5360.424	5D (1.5)0-2	3P*(1.5)E-2
5350.010	6S (1.5)0-1	3P (1.5)E-2
5338.000	5D (1.5)0-1	3P*(1.5)E-2
5355.422	6S*(0.5)0-0	3P*(0.5)E-1
5355.341	5D (2.5)0-2	3P*(1.5)E-2
5355.162	5D (2.5)0-3	3P*(1.5)E-2
5353.505	6D*(1.5)0-1	3P*(0.5)E-0
5349.203	6S*(0.5)0-1	3P*(0.5)E-1
5345.767	7D (0.5)0-1	3P*(0.5)E-0
5343.284	4D (0.5)0-3	3P (0.5)E-1
5342.994	5D (0.5)0-3	3P*(1.5)E-1
5342.624	7D (1.5)0-1	3P*(0.5)E-0
5341.443	5D (0.5)0-1	3P*(1.5)E-1
5341.091	4D (0.5)0-1	3P (0.5)E-1
5335.706	5D (1.5)0-2	3P*(1.5)E-1
5333.304	5D (1.5)0-1	3P*(1.5)E-1
5330.777	4D (1.5)0-2	3P (0.5)E-1
5330.669	5D (2.5)0-2	3P*(1.5)E-1
5326.397	4D (1.5)0-1	3P (0.5)E-1
5320.551	4D (2.5)0-2	3P (0.5)E-1
5316.804	6S (1.5)0-2	3P (1.5)E-1
5314.787	6S*(0.5)0-1	3P (0.5)E-0
5304.757	6S (1.5)0-1	3P (1.5)E-1
5298.191	6S*(0.5)0-1	3P*(1.5)E-2
5280.088	6S*(0.5)0-0	3P*(1.5)E-1
5274.042	6S*(0.5)0-1	3P*(1.5)E-1
5234.027	6S (1.5)0-2	3P (2.5)E-2
5231.356	9S (1.5)0-1	3P*(0.5)E-0
5222.352	6S (1.5)0-1	3P (2.5)E-2
5214.331	5D (0.5)0-1	3P (1.5)E-2
5210.568	5D (3.5)0-3	3P (1.5)E-2
5208.863	5D (1.5)0-2	3P (1.5)E-2
5206.574	5D (1.5)0-1	3P (1.5)E-2
5204.064	5D (2.5)0-2	3P (1.5)E-2
5203.895	5D (2.5)0-3	3P (1.5)E-2
5198.451	8D (0.5)0-1	3P*(0.5)E-0
5196.494	8D (1.5)0-1	3P*(0.5)E-0

λ	Upper State	Lower State	λ	Upper State	Lower State
5193.225	5D*(1.5)[illegible]-2	3P*(0.5)E-1	[illegible].159	5D*(2.5)[illegible]-3	3P (1.5)E-2
5193.125	5D*(2.5)C-2	3P*(0.5)E-1	[illegible].874	5D*(1.5)[illegible]-1	3P (1.5)E-2
5191.322	5D*(1.5)C-1	3P*(0.5)E-1	5000.309	6D (0.5)C-1	3P*(1.5)E-2
5189.612	6S (1.5) -2	3P (2.5)E-3	4999.515	6D (3.5)[illegible]-3	3P*(1.5)E-2
5182.519	8S*(0.5)[illegible]-1	3P*([illegible].5)E-2	4998.199	12S (1.5)[illegible]-1	3P*(0.5)E-0
5163.474	5D (0.5)C-3	3P (1.5)E-1	4997.484	6D (1.5) -2	3P*(1.5)E-2
5162.025	5D (0.5)C-1	3P (1.5)E-1	4996.247	6D (1.5)C-1	3P*(1.5)E-2
5158.901	5D*(1.5)[illegible]-1	3P (0.5)E-0	4995.021	6D (2.5)C-2	3P*(1.5)E-2
5156.667	5D (1.5)[illegible]-2	3P (1.5)E-1	4994.927	6D (2.5)[illegible]-3	3P*(1.5)E-2
5154.423	5D (1.5)C-1	3P (1.5)E-1	4994.049	8D*(1.5)[illegible]-1	3P*(0.5)E-0
5151.963	5D (2.5)C-2	3P (1.5)E-1	4986.850	11D (0.5)C-1	3P*(0.5)E-0
5150.089	6S*(0.5)[illegible]-1	3P (1.5)E-2	4979.642	6D (0.5)C-[illegible]	3P*(1.5)E-1
5145.128	5D*(1.5)D-2	3P*(1.5)E-2	4978.893	6D (0.5)D-1	3P*(1.5)E-1
5145.034	5D*(2.5)C-2	3P*(1.5)E-2	4975.997	6D (1.5)C-2	3P*(1.5)E-1
5144.938	5D*(2.5)[illegible]-3	3P*(1.5)E-2	4974.767	6D (1.5)[illegible]-1	3P*(1.5)E-1
5143.263	5D*(1.5)C-1	3P*(1.5)E-2	4973.561	6D (2.5)C-2	3P*(1.5)E-1
5129.327	7D*(1.5)C-1	3P*(0.5)E-0	4959.415	13S (1.5)[illegible]-1	3P*(0.5)E-0
5128.285	7S (1.5)[illegible]-2	3P*(0.5)E-1	4957.123	5D*(1.5)C-2	3P (1.5)E-1
5123.853	10S (1.5)[illegible]-1	3P*(0.5)E-0	4957.035	5D*(2.5)C-2	3P (1.5)E-1
5122.352	5D*(1.5) -2	3P*(1.5)E-1	4955.391	5D*(1.5)C-1	3P (1.5)E-1
5122.258	5D*(2.5)[illegible]-2	3P*(1.5)E-1	4950.857	12D (0.5)C-1	3P*(0.5)E-0
5121.890	7S (1.5)C-1	3P*(0.5)E-1	4944.987	7S (1.5)C-2	3P (1.5)E-2
5120.533	5D*(1.5)[illegible]-1	3P*(1.5)E-1	4939.042	7S (1.5)C-1	3P (1.5)E-2
5117.021	4D*(2.5)C-2	3P (0.5)E-1	4933.950	7S*(0.5)D-3	3P*(0.5)E-1
5116.504	4D*(1.5)C-2	3P (0.5)E-1	4928.238	7S*(0.5)C-1	3P*(0.5)E-1
5113.675	4D*(1.5)C-1	3P (0.5)E-1	4927.478	10S*(0.5)[illegible]-1	3P*(0.5)E-0
5104.701	6S*(0.5)D-3	3P (1.5)E-1	4923.098	13D (0.5)C-1	3P*(0.5)E-0
5101.877	9D (0.5)C-1	3P*(0.5)E-0	4905.393	9D*(1.5)D-1	3P*(0.5)E-0
5100.592	9D (1.5)C-1	3P*(0.5)E-0	4899.011	7S*(0.5)D-1	3P (0.5)E-0
5099.049	6S*(0.5)C-1	3P (1.5)E-1	4897.921	7S (1.5)C-2	3P (1.5)E-1
5090.328	7S (1.5)C-1	3P (0.5)E-0	4892.231	8S (1.5)C-2	3P*(0.5)E-1
5083.962	5D (0.5)C-1	3P (2.5)E-2	4892.088	7S (1.5)C-1	3P (1.5)E-1
5081.380	7S (1.5)C-2	3P*(1.5)E-2	4888.363	8S (1.5)C-1	3P*(0.5)E-1
5080.386	5D (3.5)D-3	3P (2.5)E-2	4885.091	5D*(1.5)C-2	3P (2.5)E-2
5078.765	5D (1.5)D-2	3P (2.5)E-2	4885.005	5D*(2.5)C-2	3P (2.5)E-2
5076.589	5D (1.5)C-1	3P (2.5)E-2	4884.920	5D*(2.5)C-3	3P (2.5)E-2
5075.102	7S (1.5)C-1	3P*(1.5)E-2	4884.906	7S*(0.5)D-1	3P*(1.5)E-2
5074.201	5D (2.5)C-2	3P (2.5)E-2	4883.409	5D*(1.5)C-1	3P (2.5)E-2
5074.042	5D (2.5)C-3	3P (2.5)E-2	4868.262	6D (0.5)C-1	3P (1.5)E-2
5059.164	7S (1.5)D-2	3P*(1.5)E-1	4867.012	7S*(0.5)C-3	3P*(1.5)E-1
5052.940	7S (1.5)C-1	3P*(1.5)E-1	4864.476	6D (3.5)C-3	3P (1.5)E-2
5050.669	11S (1.5)C-1	3P*(0.5)E-0	4865.503	6D (1.5)D-2	3P (1.5)E-2
5046.594	6D (0.5)C-3	3P*(0.5)E-1	4864.371	7S*(0.5)D-1	3P*(1.5)E-1
5045.814	6D (0.5)D-1	3P*(0.5)E-1	4864.327	6D (1.5)[illegible]-1	3P (1.5)E-2
5042.859	6D (1.5)C-2	3P*(0.5)E-1	4863.154	6D (2.5)C-2	3P (1.5)E-2
5041.586	6D (1.5)C-1	3P*(0.5)E-1	4863.075	6D (2.5)D-3	3P (1.5)E-2
5040.307	6D (2.5)D-2	3P*(0.5)E-1	4859.603	8S (1.5)C-1	3P (0.5)E-0
5037.751	5D (3.5)C-4	3P (2.5)E-3	4859.486	11S*(0.5)D-1	3P*(0.5)E-0
5037.587	5D (3.5)D-3	3P (2.5)E-3	4852.655	6D*(1.5)[illegible]-2	3P*(0.5)E-1
5035.993	5D (1.5)C-2	3P (2.5)E-3	4852.140	6D*(2.5)C-2	3P*(0.5)E-1
5035.185	10D (0.5)D-1	3P*(0.5)E-0	4851.497	6D*(1.5)D-1	3P*(0.5)E-1
5034.207	10D (1.5)D-1	3P*(0.5)E-0	4849.527	8S (1.5)C-2	3P*(1.5)E-2
5031.506	5D (2.5)D-2	3P (2.5)E-3	4845.789	7D (0.5)D-0	3P*(0.5)E-1
5031.349	5D (2.5)C-3	3P (2.5)E-3	4845.725	8S (1.5)D-1	3P*(1.5)E-2
5027.199	9S*(0.5)D-1	3P*(0.5)E-0	4845.595	5D*(1.5)C-2	3P (2.5)E-3
5022.866	6S*(0.5)D-1	3P (2.5)E-2	4845.422	5D*(2.5)D-2	3P (2.5)E-3
5015.179	6D (0.5)C-1	3P (0.5)E-0	4845.338	5D*(2.5)C-3	3P (2.5)E-3
5011.033	6D (1.5)D-1	3P (0.5)E-0	4845.141	7D (0.5)D-1	3P*(0.5)E-1
5010.339	5D*(1.5)C-2	3P (1.5)E-2	4843.884	10D*(1.5)C-1	3P*(0.5)E-0
5009.249	5D*(2.5)C-2	3P (1.5)E-2	4842.928	7D (1.5)[illegible]-2	3P*(0.5)E-1

λ	Upper State	Lower State
4842.559	7D (1.5)0-1	3P*(0.5)E-1
4842.004	7D (2.5)0-2	3P*(0.5)E-1
4837.312	6S (1.5)0-2	3P (0.5)E-1
4829.287	8S (1.5)0-2	3P*(1.5)E-1
4827.584	7S (1.5)0-2	3P (2.5)E-2
4827.334	6S (1.5)0-1	3P (0.5)E-1
4825.518	8S (1.5)0-1	3P*(1.5)E-1
4823.351	6D (0.5)0-0	3P (1.5)E-1
4823.170	6D*(1.5)0-1	3P (0.5)E-0
4822.638	6D (0.5)0-1	3P (1.5)E-1
4821.920	7S (1.5)0-1	3P (2.5)E-2
4819.931	6D (1.5)0-2	3P (1.5)E-1
4818.776	6D (1.5)0-1	3P (1.5)E-1
4817.636	6D (2.5)0-2	3P (1.5)E-1
4816.888	7D (0.5)0-1	3P (0.5)E-0
4814.335	7D (1.5)0-1	3P (0.5)E-0
4810.636	6D*(1.5)0-2	3P*(1.5)E-2
4810.130	6D*(2.5)0-2	3P*(1.5)E-2
4810.062	6D*(2.5)0-3	3P*(1.5)E-2
4809.494	6D*(1.5)0-1	3P*(1.5)E-2
4803.252	7D (0.5)0-1	3P*(1.5)E-2
4802.371	7D (3.5)0-3	3P*(1.5)E-2
4801.076	7D (1.5)0-2	3P*(1.5)E-2
4800.714	7D (1.5)0-1	3P*(1.5)E-2
4800.169	7D (2.5)0-2	3P*(1.5)E-2
4800.111	7D (2.5)0-3	3P*(1.5)E-2
4799.419	11D*(1.5)0-1	3P*(0.5)E-0
4790.719	6D*(1.5)0-2	3P*(1.5)E-1
4790.217	6D*(2.5)0-2	3P*(1.5)E-1
4789.590	6D*(1.5)0-1	3P*(1.5)E-1
4788.926	7S (1.5)0-2	3P (2.5)E-3
4784.027	7D (0.5)0-0	3P*(1.5)E-1
4783.395	7D (0.5)0-1	3P*(1.5)E-1
4781.238	7D (1.5)0-2	3P*(1.5)E-1
4780.879	7D (1.5)0-1	3P*(1.5)E-1
4780.338	7D (2.5)0-2	3P*(1.5)E-1
4758.725	7S*(0.5)0-1	3P (1.5)E-2
4754.435	6D (0.5)0-1	3P (2.5)E-2
4753.117	9S (1.5)0-2	3P*(0.5)E-1
4752.732	6D (3.5)0-3	3P (2.5)E-2
4751.803	6D (1.5)0-2	3P (2.5)E-2
4750.967	9S (1.5)0-1	3P*(0.5)E-1
4750.681	6D (1.5)0-1	3P (2.5)E-2
4749.573	6D (2.5)0-2	3P (2.5)E-2
4749.488	6D (2.5)0-3	3P (2.5)E-2
4725.145	8S (1.5)0-2	3P (1.5)E-2
4724.152	8D (0.5)0-0	3P*(0.5)E-1
4723.811	8D (0.5)0-1	3P*(0.5)E-1
4722.798	9S (1.5)0-1	3P (0.5)E-0
4722.715	8D (1.5)0-2	3P*(0.5)E-1
4722.195	8D (1.5)0-1	3P*(0.5)E-1
4721.751	8D (2.5)0-2	3P*(0.5)E-1
4721.536	8S (1.5)0-1	3P (1.5)E-2
4717.605	7S*(0.5)0-0	3P (1.5)E-1
4715.344	6D (3.5)0-4	3P (2.5)E-3
4715.255	6D (3.5)0-3	3P (2.5)E-3
4715.122	7S*(0.5)0-1	3P (1.5)E-1
4714.341	6D (1.5)0-2	3P (2.5)E-3
4712.797	9S (1.5)0-2	3P*(1.5)E-2
4712.145	6D (2.5)0-2	3P (2.5)E-3
4712.132	8S*(0.5)0-1	3P*(1.5)E-1
4712.052	6D (2.5)0-3	3P (2.5)E-3
4710.698	9S (1.5)0-1	3P*(1.5)E-2
4710.497	8S*(0.5)0-1	3P*(0.5)E-1
4710.040	6D (0.5)0-1	3P (0.5)E-1
4708.834	6D (0.5)0-1	3P (0.5)E-1
4704.395	6D (1.5)0-2	3P (0.5)E-1
4702.528	6D (1.5)0-1	3P (0.5)E-1
4700.470	6D (2.5)0-2	3P (0.5)E-1
4696.951	8D (0.5)0-1	3P (0.5)E-0
4695.354	8D (1.5)0-1	3P (0.5)E-0
4693.680	9S (1.5)0-2	3P*(1.5)E-1
4691.583	9S (1.5)0-1	3P*(1.5)E-1
4688.215	6D*(1.5)0-2	3P (1.5)E-2
4687.734	6D*(2.5)0-2	3P (1.5)E-2
4687.669	6D*(2.5)0-3	3P (1.5)E-2
4687.134	6D*(1.5)0-1	3P (1.5)E-2
4683.985	8D (0.5)0-1	3P*(1.5)E-2
4683.778	8S*(0.5)0-1	3P (0.5)E-0
4683.235	8D (3.5)0-3	3P*(1.5)E-2
4682.907	8D (1.5)0-2	3P*(1.5)E-2
4682.396	8D (1.5)0-1	3P*(1.5)E-2
4682.152	8S (1.5)0-2	3P (1.5)E-1
4681.959	8D (2.5)0-2	3P*(1.5)E-2
4681.925	8D (2.5)0-3	3P*(1.5)E-2
4681.201	7D (0.5)0-1	3P (1.5)E-2
4680.365	7D (3.5)0-3	3P (1.5)E-2
4679.135	7D (1.5)0-2	3P (1.5)E-2
4678.791	7D (1.5)0-1	3P (1.5)E-2
4678.509	8S (1.5)0-1	3P (1.5)E-1
4678.273	7D (2.5)0-2	3P (1.5)E-2
4678.218	7D (2.5)0-3	3P (1.5)E-2
4670.884	8S*(0.5)0-1	3P*(1.5)E-2
4667.355	7D*(1.5)0-2	3P*(0.5)E-1
4667.233	7D*(2.5)0-2	3P*(0.5)E-1
4666.664	7D*(1.5)0-1	3P*(0.5)E-1
4665.433	8D (0.5)0-0	3P*(1.5)E-1
4665.100	8D (0.5)0-1	3P*(1.5)E-1
4664.032	8D (1.5)0-2	3P*(1.5)E-1
4663.555	10S (1.5)0-2	3P*(0.5)E-1
4663.525	8D (1.5)0-1	3P*(1.5)E-1
4663.091	8D (2.5)0-2	3P*(1.5)E-1
4662.133	10S (1.5)0-1	3P*(0.5)E-1
4661.106	6S*(0.5)0-0	3P (0.5)E-1
4656.394	6S*(0.5)0-1	3P (0.5)E-1
4653.710	8S*(0.5)0-0	3P*(1.5)E-1
4652.105	8S*(0.5)0-1	3P*(1.5)E-1
4649.905	7S*(0.5)0-1	3P (2.5)E-2
4645.889	6D*(1.5)0-2	3P (1.5)E-1
4645.417	6D*(2.5)0-2	3P (1.5)E-1
4644.828	6D*(1.5)0-1	3P (1.5)E-1
4644.154	9D (0.5)0-0	3P*(0.5)E-1
4643.932	9D (0.5)0-1	3P*(0.5)E-1
4643.180	9D (1.5)0-2	3P*(0.5)E-1
4642.867	9D (1.5)0-1	3P*(0.5)E-1
4642.587	9D (2.5)0-2	3P*(0.5)E-1
4640.448	7D*(1.5)0-1	3P (0.5)E-0
4639.595	7D (0.5)0-0	3P (1.5)E-1
4639.001	7D (0.5)0-1	3P (1.5)E-1
4636.972	7D (1.5)0-2	3P (1.5)E-1

NEON TRANSITIONS BY WAVELENGTHS

λ	Upper State	Lower State
4636.634	7D (1.5)0-1	3P (1.5)E-1
4626.126	7D (2.5)0-2	3P (1.5)E-1
4618.968	10S (1.5)0-1	3P (0.5)E-0
4628.473	7D*(1.5)0-2	3P*(1.5)E-2
4629.351	7D*(2.5)0-2	3P*(1.5)E-2
4628.309	7D*(2.5)0-3	3P*(1.5)E-2
4627.791	7D*(1.5)0-1	3P*(1.5)E-2
4624.733	10S (1.5)0-2	3P*(1.5)E-2
4620.835	10S (1.5)0-1	3P*(1.5)E-2
4617.971	9D (2.5)0-1	3P (0.5)E-0
4617.838	8S (1.5)0-2	3P (2.5)E-2
4616.917	9D (1.5)0-1	3P (0.5)0-0
4614.391	8S (1.5)0-1	3P (2.5)E-2
4610.033	7D*(1.5)0-2	3P*(1.5)E-1
4609.912	7D*(2.5)0-2	3P*(1.5)E-1
4609.357	7D*(1.5)0-1	3P*(1.5)E-1
4606.323	10S (1.5)0-2	3P*(1.5)E-1
4605.436	9D (2.5)0-1	3P*(1.5)E-2
4604.972	9D (3.5)0-3	3P*(1.5)E-2
4604.936	10S (1.5)0-1	3P*(1.5)E-1
4604.696	9D (1.5)0-2	3P*(1.5)E-2
4604.388	9D (1.5)0-1	3P*(1.5)E-2
4604.112	9D (2.5)0-2	3P*(1.5)E-2
4604.091	9D (2.5)0-3	3P*(1.5)E-2
4602.475	11S (1.5)0-2	3P*(0.5)E-1
4601.466	11S (1.5)0-1	3P*(0.5)E-1
4595.244	9S (1.5)0-2	3P (1.5)E-2
4593.234	9S (1.5)0-1	3P (1.5)E-2
4588.796	10D (2.5)0-2	3P*(0.5)E-1
4588.610	10D (2.5)0-1	3P*(0.5)E-1
4588.094	10D (1.5)0-2	3P*(0.5)E-1
4587.797	10D (1.5)0-1	3P*(0.5)E-1
4587.604	10D (2.5)0-2	3P*(0.5)E-1
4587.395	9D (2.5)0-0	3P*(1.5)E-1
4587.178	9D (2.5)0-1	3P*(1.5)E-1
4586.444	9D (1.5)0-2	3P*(1.5)E-1
4586.139	9D (1.5)0-1	3P*(1.5)E-1
4585.865	9D (2.5)0-2	3P*(1.5)E-1
4582.994	9S*(1.5)0-3	3P*(0.5)E-1
4582.561	6D*(1.5)0-2	3P (2.5)E-2
4582.451	8S (1.5)0-2	3P (2.5)E-3
4582.101	6D*(2.5)0-2	3P (2.5)E-2
4582.039	6D*(2.5)0-3	3P (2.5)E-2
4581.977	9S*(0.5)0-1	3P*(0.5)E-1
4581.528	6D*(1.5)0-1	3P (2.5)E-2
4575.976	11S (1.5) -1	3P (1.5)E-0
4575.859	7D (3.5)0-1	3P (2.5)E-2
4575.060	7D (3.5)0-3	3P (2.5)E-2
4573.895	7D (1.5)0-2	3P (2.5)E-2
4573.556	7D (1.5)0-1	3P (2.5)E-2
4573.061	7D (2.5)0-2	3P (2.5)E-2
4572.039	7D (2.5)0-3	3P (2.5)E-2
4567.847	8D (0.5)0-1	3P (1.5)E-2
4567.134	8D (3.5)0-3	3P (1.5)E-2
4566.822	8D (1.5)0-2	3P (1.5)E-2
4566.336	8D (1.5)0-1	3P (1.5)E-2
4563.920	8D (2.5)0-2	3P (1.5)E-2
4565.888	8D (2.5)0-3	3P (1.5)E-2
4564.650	11S (1.5)0-2	3P*(1.5)E-2
4563.656	11S (1.5)0-1	3P*(1.5)E-2
4563.242	10D (0.5)0-1	3P (0.5)E-0
4562.488	10D (1.5)0-1	3P (0.5)E-0
4558.671	12S (1.5)0-2	3P*(0.5)E-1
4557.874	12S (1.5)0-1	3P*(0.5)E-1
4556.701	9S*(0.5)0-1	3P (0.5)E-0
4555.387	8S*(0.5)0-1	3P (1.5)E-2
4554.817	8D*(1.5)0-2	3P*(0.5)E-1
4554.791	8D*(2.5)0-2	3P*(0.5)E-1
4554.573	9S (1.5)0-2	3P (1.5)E-1
4554.422	8D*(1.5)0-1	3P*(0.5)E-1
4552.598	9S (1.5)0-1	3P (1.5)E-1
4551.022	10D (0.5)0-1	3P*(1.5)E-2
4550.653	10D (3.5)0-3	3P*(1.5)E-2
4550.514	10D (1.5)0-2	3P*(1.5)E-2
4550.222	10D (1.5)0-1	3P*(1.5)E-2
4550.032	10D (2.5)0-2	3P*(1.5)E-2
4550.023	10D (2.5)0-3	3P*(1.5)E-2
4548.536	11D (0.5)0-2	3P*(0.5)E-1
4548.434	11D (0.5)0-1	3P*(0.5)E-1
4547.987	11D (1.5)0-2	3P*(0.5)E-1
4547.795	11D (2.5)0-2	3P*(0.5)E-1
4547.709	6D*(1.5)0-2	3P (2.5)E-3
4547.237	6D*(2.5)0-2	3P (2.5)E-3
4547.196	6D*(2.5)0-3	3P (2.5)E-3
4546.724	11S (1.5)0-2	3P*(1.5)E-1
4545.739	11S (1.5)0-1	3P*(1.5)E-1
4544.496	9S*(0.5)0-1	3P*(1.5)E-2
4540.376	7D (3.5)0-4	3P (2.5)E-3
4540.323	7D (3.5)0-3	3P (2.5)E-3
4539.165	7D (1.5)0-2	3P (2.5)E-3
4538.354	7D (2.5)0-2	3P (2.5)E-3
4538.332	7D (2.5)0-3	3P (2.5)E-3
4537.752	5D*(1.5)0-2	3P (0.5)E-1
4537.679	5D*(2.5)0-2	3P (0.5)E-1
4536.301	5D*(1.5)0-1	3P (0.5)E-1
4533.373	10D (0.5)0-2	3P*(1.5)E-1
4533.192	10D (0.5)0-1	3P*(1.5)E-1
4532.863	12S (1.5)0-1	3P (0.5)E-0
4532.599	10D (1.5)0-2	3P*(1.5)E-1
4532.399	10D (1.5)0-1	3P*(1.5)E-1
4532.210	10D (2.5)0-2	3P*(1.5)E-1
4529.450	8D*(1.5)0-1	3P (0.5)E-0
4527.971	8D (0.5)0-1	3P (1.5)E-1
4527.711	9S*(0.5)0-2	3P*(1.5)E-1
4527.657	8D (0.5)0-1	3P (1.5)E-1
4526.718	9S*(0.5)0-1	3P*(1.5)E-1
4526.650	8D (1.5)0-2	3P (1.5)E-1
4526.173	8D (1.5)0-1	3P (1.5)E-1
4526.151	13S (1.5)0-2	3P*(0.5)E-1
4525.764	8D (2.5)0-2	3P (1.5)E-1
4525.599	13S (1.5)0-1	3P*(0.5)E-1
4523.527	11D (0.5)0-1	3P (0.5)E-0
4521.568	12S (1.5)0-2	3P*(1.5)E-2
4520.785	12S (1.5)0-1	3P*(1.5)E-2
4518.481	12D (0.5)0-1	3P*(0.5)E-1
4518.181	12D (1.5)0-2	3P*(0.5)E-1
4517.954	12D (2.5)0-2	3P*(0.5)E-1
4517.778	8D*(1.5)0-2	3P*(1.5)E-2
4517.752	8D*(2.5)0-2	3P*(1.5)E-2
4517.736	8D*(2.5)0-3	3P*(1.5)E-2

λ	Upper State	Lower State
4517.390	8D*(1.5)0-1	3P*(1.5)E-2
4516.927	8S*(0.5)0-	3P (1.5)E-1
4515.415	8S*(0.5)0-1	3P (1.5)E-1
4515.035	7D*(1.5)0-2	3P (1.5)E-2
4514.922	7D*(2.5)0-2	3P (1.5)E-2
4514.883	7D*(2.5)0-3	3P (1.5)E-2
4514.390	7D*(1.5)0-1	3P (1.5)E-2
4511.499	11D (0.5)0-1	3P*(1.5)E-2
4511.430	10S (1.5)0-2	3P (1.5)E-2
4511.303	11D (3.5)0-3	3P*(1.5)E-2
4511.089	11D (1.5)0-2	3P*(1.5)E-2
4510.870	11D (2.5)0-2	3P*(1.5)E-2
4510.804	11D (2.5)0-3	3P*(1.5)E-2
4510.149	10S (1.5)0-1	3P (1.5)E-2
4509.969	12S (1.5)0-2	3P*(1.5)E-1
4509.191	12S (1.5)0-1	3P*(1.5)E-1
4508.941	13S (1.5)0-1	3P (0.5)E-0
4508.207	8D*(1.5)0-2	3P*(1.5)E-1
4508.182	8D*(2.5)0-2	3P*(1.5)E-1
4499.835	10S*(0.5)0-3	3P*(0.5)E-1
4499.822	8D*(1.5)0-1	3P*(1.5)E-1
4498.990	10S*(0.5)0-1	3P*(0.5)E-1
4495.359	13D (0.5)0-1	3P*(1.5)E-1
4494.076	11D (0.5)0-3	3P*(1.5)E-1
4493.977	11D (0.5)0-1	3P*(1.5)E-1
4493.910	12D (0.5)0-1	3P (0.5)E-0
4493.693	9S (1.5)0-2	3P (2.5)E-2
4493.540	11D (1.5)0-2	3P*(1.5)E-1
4493.353	11D (2.5)0-2	3P*(1.5)E-1
4493.114	9D (0.5)0-1	3P (1.5)E-2
4492.673	9D (3.5)0-3	3P (1.5)E-2
4492.409	9D (1.5)0-2	3P (1.5)E-2
4492.116	9D (1.5)0-1	3P (1.5)E-2
4491.854	9D (2.5)0-2	3P (1.5)E-2
4491.834	9D (2.5)0-3	3P (1.5)E-2
4491.771	9S (1.5)0-1	3P (2.5)E-2
4489.585	13S (1.5)0-2	3P*(1.5)E-2
4489.032	13S (1.5)0-1	3P*(1.5)E-2
4488.094	7S (1.5)0-2	3P (0.5)E-1
4483.195	7S (1.5)0-1	3P (0.5)E-1
4482.028	12D (0.5)0-1	3P*(1.5)E-2
4481.853	12D (3.5)0-3	3P*(1.5)E-2
4481.733	12D (1.5)0-2	3P*(1.5)E-2
4481.510	12D (2.5)0-2	3P*(1.5)E-2
4481.452	12D (2.5)0-3	3P*(1.5)E-2
4480.834	9D*(2.5)0-2	3P*(0.5)E-1
4480.825	9D*(1.5)0-2	3P*(0.5)E-1
4480.573	9D*(1.5)0-1	3P*(0.5)E-1
4475.756	7D*(1.5)0-2	3P (1.5)E-1
4475.654	7D*(2.5)0-2	3P (1.5)E-1
4475.131	7D*(1.5)0-1	3P (1.5)E-1
4474.620	10S*(0.5)0-1	3P (0.5)E-0
4472.271	10S (1.5)0-2	3P (1.5)E-1
4472.232	13S (1.5)0-2	3P*(1.5)E-1
4471.684	13S (1.5)0-1	3P*(1.5)E-1
4471.009	13D (0.5)0-1	3P (0.5)E-0
4470.964	10S (1.5)0-1	3P (1.5)E-1
4467.493	8D (0.5)0-1	3P (2.5)E-2
4466.807	8D (3.5)0-3	3P (2.5)E-2
4466.510	8D (1.5)0-2	3P (2.5)E-2
4466.345	8D (1.5)0-1	3P (2.5)E-2
4465.947	8D (2.5)0-2	3P (2.5)E-2
4465.616	8D (2.5)0-3	3P (2.5)E-2
4464.734	12D (0.5)0-1	3P*(1.5)E-1
4464.441	12D (1.5)0-2	3P*(1.5)E-1
4464.220	12D (2.5)0-2	3P*(1.5)E-1
4462.860	10S*(0.5)0-1	3P*(1.5)E-2
4459.173	9S (1.5)0-2	3P (2.5)E-3
4459.257	13D (0.5)0-1	3P*(1.5)E-2
4459.126	13D (3.5)0-3	3P*(1.5)E-2
4456.431	9D*(1.5)0-1	3P (0.5)E-0
4455.571	8S*(0.5)0-1	3P (2.5)E-2
4454.427	9D (0.5)0-3	3P (1.5)E-1
4454.294	11S (1.5)0-2	3P (1.5)E-2
4454.222	9D (0.5)0-1	3P (1.5)E-1
4453.503	9D (1.5)0-2	3P (1.5)E-1
4453.349	11S (1.5)0-1	3P (1.5)E-2
4453.242	9D (1.5)0-1	3P (1.5)E-1
4452.985	9D (2.5)0-2	3P (1.5)E-1
4445.528	10S*(0.5)0-3	3P*(1.5)E-1
4445.703	10S*(0.5)0-1	3P*(1.5)E-1
4444.983	9D*(2.5)0-2	3P*(1.5)E-2
4444.975	9D*(1.5)0-2	3P*(1.5)E-2
4444.973	9D*(2.5)0-3	3P*(1.5)E-2
4444.726	9D*(1.5)0-1	3P*(1.5)E-2
4442.883	11S*(0.5)0-3	3P*(0.5)E-1
4442.241	11S*(0.5)0-1	3P*(0.5)E-1
4442.138	13D (0.5)0-1	3P*(1.5)E-1
4441.307	10D (0.5)0-1	3P (1.5)E-2
4440.956	10D (3.5)0-3	3P (1.5)E-2
4440.823	10D (1.5)0-2	3P (1.5)E-2
4440.545	10D (1.5)0-1	3P (1.5)E-2
4440.354	10D (2.5)0-2	3P (1.5)E-2
4440.356	10D (2.5)0-3	3P (1.5)E-2
4435.092	9S*(0.5)0-1	3P (1.5)E-2
4433.721	8D (3.5)0-4	3P (2.5)E-3
4433.688	8D (3.5)0-3	3P (2.5)E-3
4433.395	8D (1.5)0-2	3P (2.5)E-3
4432.545	8D (2.5)0-2	3P (2.5)E-3
4432.514	8D (2.5)0-3	3P (2.5)E-3
4429.414	10D*(2.5)0-2	3P*(0.5)E-1
4429.404	10D*(1.5)0-2	3P*(0.5)E-1
4429.200	10D*(1.5)0-1	3P*(0.5)E-1
4427.974	9D*(2.5)0-2	3P*(1.5)E-1
4427.956	9D*(1.5)0-2	3P*(1.5)E-1
4427.718	9D*(1.5)0-1	3P*(1.5)E-1
4425.400	6D (0.5)0-3	3P (0.5)E-1
4424.801	6D (0.5)0-1	3P (0.5)E-1
4422.521	6D (1.5)0-2	3P (0.5)E-1
4421.549	6D (1.5)0-1	3P (0.5)E-1
4420.589	6D (2.5)0-2	3P (0.5)E-1
4418.479	11S*(0.5)0-1	3P (0.5)E-0
4416.961	7D*(1.5)0-2	3P (2.5)E-2
4416.852	7D*(2.5)0-2	3P (2.5)E-2
4416.814	7D*(2.5)0-3	3P (2.5)E-2
4416.342	7D*(1.5)0-1	3P (2.5)E-2
4416.069	11S (1.5)0-2	3P (1.5)E-1
4415.140	11S (1.5)0-1	3P (1.5)E-1
4413.557	10S (1.5)0-2	3P (2.5)E-2
4413.252	12S (1.5)0-2	3P (1.5)E-2

λ	Upper State	Lower State	λ	Upper State	Lower State
4412.506	12S (1.5)0-1	3P (1.5)E-2	4363.233	9D (1.5)0-2	3P (2.5)E-3
4412.284	10S (1.5)0-1	3P (2.5)E-2	4362.709	9D (2.5)0-2	3P (2.5)E-3
4409.641	8D*(1.5)0-2	3P (1.5)E-2	4362.690	9D (2.5)0-3	3P (2.5)E-3
4409.615	8D*(2.5)0-2	3P (1.5)E-2	4358.812	11S (1.5)0-2	3P (2.5)E-2
4409.601	8D*(2.5)0-3	3P (1.5)E-2	4357.907	11S (1.5)0-1	3P (2.5)E-2
4409.271	8D*(1.5)0-1	3P (1.5)E-2	4357.615	11D*(2.5)0-2	3P*(1.5)E-2
4407.013	11S*(0.5)0-1	3P*(1.5)E-2	4357.624	11D*(2.5)0-3	3P*(1.5)E-2
4405.578	10D*(1.5)0-1	3P (0.5)E-0	4357.544	11D*(1.5)0-1	3P*(1.5)E-2
4403.658	11D (0.5)0-1	3P (1.5)E-2	4357.296	10S*(0.5)0-1	3P (1.5)E-2
4403.474	10D (0.5)0-3	3P (1.5)E-1	4353.870	13D (0.5)0-1	3P (1.5)E-2
4403.472	11D (3.5)0-3	3P (1.5)E-2	4352.745	13D (3.5)0-3	3P (1.5)E-2
4403.309	10D (0.5)0-1	3P (1.5)E-1	4346.375	10D (0.5)0-1	3P (2.5)E-2
4403.239	11D (1.5)0-2	3P (1.5)E-2	4346.038	10D (3.5)0-3	3P (2.5)E-2
4403.059	11D (2.5)0-2	3P (1.5)E-2	4345.912	10D (1.5)0-2	3P (2.5)E-2
4402.997	11D (2.5)0-3	3P (1.5)E-2	4345.754	13S (1.5)0-2	3P (1.5)E-1
4402.828	10D (1.5)0-2	3P (1.5)E-1	4345.646	10D (1.5)0-1	3P (2.5)E-2
4402.555	10D (1.5)0-1	3P (1.5)E-1	4345.472	10D (2.5)0-2	3P (2.5)E-2
4402.377	10D (2.5)0-2	3P (1.5)E-1	4345.454	10D (2.5)0-3	3P (2.5)E-2
4398.131	9S*(0.5)0-3	3P (1.5)E-1	4345.247	13S (1.5)0-1	3P (1.5)E-1
4397.194	9S*(0.5)0-1	3P (1.5)E-1	4341.286	11D*(2.5)0-2	3P*(1.5)E-1
4395.978	9D (0.5)0-1	3P (2.5)E-2	4341.196	11D*(1.5)0-1	3P*(1.5)E-1
4395.556	9D (3.5)0-3	3P (2.5)E-2	4340.423	9S*(0.5)0-1	3P (2.5)E-2
4395.304	9D (1.5)0-2	3P (2.5)E-2	4340.263	9D*(2.5)0-2	3P (1.5)E-2
4395.024	9D (1.5)0-1	3P (2.5)E-2	4340.255	9D*(1.5)0-2	3P (1.5)E-2
4394.773	9D (2.5)0-2	3P (2.5)E-2	4340.253	9D*(2.5)0-3	3P (1.5)E-2
4394.753	9D (2.5)0-3	3P (2.5)E-2	4340.017	9D*(1.5)0-1	3P (1.5)E-2
4394.378	10D*(2.5)0-2	3P*(1.5)E-2	4338.684	12D (0.5)0-1	3P (1.5)E-1
4394.368	10D*(1.5)0-2	3P*(1.5)E-2	4338.497	12D (1.5)0-2	3P (1.5)E-1
4394.365	10D*(2.5)0-3	3P*(1.5)E-2	4338.198	12D (2.5)0-2	3P (1.5)E-1
4394.168	10D*(1.5)0-1	3P*(1.5)E-2	4336.222	7S*(0.5)0-3	3P (0.5)E-1
4392.385	11D*(2.5)0-2	3P*(0.5)E-1	4334.124	7S*(0.5)0-1	3P (0.5)E-1
4391.992	11D*(1.5)0-1	3P*(0.5)E-1	4327.259	11S (1.5)0-2	3P (2.5)E-3
4390.914	11S*(0.5)0-3	3P*(1.5)E-1	4321.489	10S*(0.5)0-3	3P (1.5)E-1
4390.282	11S*(0.5)0-1	3P*(1.5)E-1	4320.713	10S*(0.5)0-1	3P (1.5)E-1
4384.574	7D*(1.5)0-2	3P (2.5)E-3	4319.503	12S (1.5)0-2	3P (2.5)E-2
4384.467	7D*(2.5)0-2	3P (2.5)E-3	4318.788	12S (1.5)0-1	3P (2.5)E-2
4384.429	7D*(2.5)0-3	3P (2.5)E-3	4317.342	13D (0.5)0-1	3P (1.5)E-1
4382.777	13S (1.5)0-2	3P (1.5)E-2	4316.043	8D*(1.5)0-2	3P (2.5)E-2
4382.250	13S (1.5)0-1	3P (1.5)E-2	4316.023	8D*(2.5)0-2	3P (2.5)E-2
4381.220	10S (1.5)0-2	3P (2.5)E-3	4316.005	8D*(2.5)0-3	3P (2.5)E-2
4377.753	10D*(2.5)0-2	3P*(1.5)E-1	4315.689	8D*(1.5)0-1	3P (2.5)E-2
4377.743	10D*(1.5)0-2	3P*(1.5)E-1	4314.696	10D (3.5)0-4	3P (2.5)E-3
4377.544	10D*(1.5)0-1	3P*(1.5)E-1	4314.680	10D (3.5)0-3	3P (2.5)E-3
4375.725	12S (1.5)0-2	3P (1.5)E-1	4314.555	10D (1.5)0-2	3P (2.5)E-3
4375.575	12D (0.5)0-1	3P (1.5)E-2	4314.121	10D (2.5)0-2	3P (2.5)E-3
4375.409	12D (3.5)0-3	3P (1.5)E-2	4314.113	10D (2.5)0-3	3P (2.5)E-3
4375.294	12D (1.5)0-2	3P (1.5)E-2	4310.312	11D (0.5)0-1	3P (2.5)E-2
4375.081	12D (2.5)0-2	3P (1.5)E-2	4310.133	11D (3.5)0-3	3P (2.5)E-2
4375.026	12D (2.5)0-3	3P (1.5)E-2	4309.910	11D (1.5)0-2	3P (2.5)E-2
4374.992	12S (1.5)0-1	3P (1.5)E-1	4309.738	11D (2.5)0-2	3P (2.5)E-2
4372.175	8D*(1.5)0-2	3P (1.5)E-1	4309.678	11D (2.5)0-3	3P (2.5)E-2
4372.151	8D*(2.5)0-2	3P (1.5)E-1	4306.251	8S (1.5)0-2	3P (0.5)E-1
4371.812	8D*(1.5)0-1	3P (1.5)E-1	4304.043	11S*(0.5)0-1	3P (1.5)E-2
4368.764	11D*(1.5)0-1	3P (0.5)E-0	4303.962	9D*(2.5)0-2	3P (1.5)E-1
4366.387	11D (0.5)0-3	3P (1.5)E-1	4303.954	9D*(1.5)0-2	3P (1.5)E-1
4366.294	11D (0.5)0-1	3P (1.5)E-1	4303.721	9D*(1.5)0-1	3P (1.5)E-1
4365.882	11D (1.5)0-2	3P (1.5)E-1	4303.254	8S (1.5)0-1	3P (0.5)E-1
4365.704	11D (2.5)0-2	3P (1.5)E-1	4292.021	10D*(2.5)0-2	3P (1.5)E-2
4363.524	9D (3.5)0-4	3P (2.5)E-3	4291.991	10D*(1.5)0-2	3P (1.5)E-2
4363.481	9D (3.5)0-3	3P (2.5)E-3	4291.988	10D*(2.5)0-3	3P (1.5)E-2

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λ	Upper State	Lower State
4291.800	10D*(1.5)0-1	3P (1.5)E-2
4290.304	13S (1.5)0-2	3P (2.5)E-2
4289.800	13S (1.5)0-1	3P (2.5)E-2
4288.524	12S (1.5)0-2	3P (2.5)E-3
4285.114	8D*(1.5)0-2	3P (2.5)E-3
4285.091	8D*(2.5)0-2	3P (2.5)E-3
4285.077	8D*(2.5)0-3	3P (2.5)E-3
4283.403	12D (0.5)0-1	3P (2.5)E-2
4283.244	12D (3.5)0-3	3P (2.5)E-2
4283.134	12D (1.5)0-2	3P (2.5)E-2
4282.933	12D (2.5)0-2	3P (2.5)E-2
4282.877	12D (2.5)0-3	3P (2.5)E-2
4279.289	11D (3.5)0-3	3P (2.5)E-3
4279.281	11D (3.5)0-4	3P (2.5)E-3
4279.069	11D (1.5)0-2	3P (2.5)E-3
4278.899	11D (2.5)0-2	3P (2.5)E-3
4278.840	11D (2.5)0-3	3P (2.5)E-3
4275.558	6D*(1.5)0-2	3P (0.5)E-1
4275.158	6D*(2.5)0-2	3P (0.5)E-1
4274.659	6D*(1.5)0-1	3P (0.5)E-1
4270.227	7D (0.5)0-0	3P (0.5)E-1
4269.724	7D (0.5)0-1	3P (0.5)E-1
4268.941	11S*(0.5)0-0	3P (1.5)E-1
4268.343	11S*(0.5)0-1	3P (1.5)E-1
4268.005	7D (1.5)0-2	3P (0.5)E-1
4267.718	7D (1.5)0-1	3P (0.5)E-1
4267.287	7D (2.5)0-2	3P (0.5)E-1
4265.834	10S*(0.5)0-1	3P (2.5)E-2
4262.601	13D (0.5)0-1	3P (2.5)E-2
4262.481	13D (3.5)0-3	3P (2.5)E-2
4259.742	13S (1.5)0-2	3P (2.5)E-3
4256.943	11D*(2.5)0-2	3P (1.5)E-2
4256.932	11D*(2.5)0-3	3P (1.5)E-2
4256.856	11D*(1.5)0-1	3P (1.5)E-2
4256.499	10D*(2.5)0-2	3P (1.5)E-1
4256.490	10D*(1.5)0-2	3P (1.5)E-1
4256.302	10D*(1.5)0-1	3P (1.5)E-1
4252.781	12D (3.5)0-3	3P (2.5)E-3
4252.776	12D (3.5)0-4	3P (2.5)E-3
4252.673	12D (1.5)0-2	3P (2.5)E-3
4252.472	12D (2.5)0-2	3P (2.5)E-3
4252.420	12D (2.5)0-3	3P (2.5)E-3
4249.557	9D*(2.5)0-2	3P (2.5)E-2
4249.549	9D*(1.5)0-2	3P (2.5)E-2
4249.548	9D*(2.5)0-3	3P (2.5)E-2
4249.322	9D*(1.5)0-1	3P (2.5)E-2
4232.325	13D (3.5)0-4	3P (2.5)E-3
4232.312	13D (3.5)0-3	3P (2.5)E-3
4222.017	11D*(2.5)0-2	3P (1.5)E-1
4221.931	11D*(1.5)0-1	3P (1.5)E-1
4219.570	9D*(2.5)0-2	3P (2.5)E-3
4219.563	9D*(1.5)0-2	3P (2.5)E-3
4219.561	9D*(2.5)0-3	3P (2.5)E-3
4214.829	11S*(0.5)0-1	3P (2.5)E-2
4203.280	10D*(2.5)0-2	3P (2.5)E-2
4203.271	10D*(1.5)0-2	3P (2.5)E-2
4203.268	10D*(2.5)0-3	3P (2.5)E-2
4203.098	10D*(1.5)0-1	3P (2.5)E-2
4198.098	9S (1.5)0-2	3P (0.5)E-1
4196.420	9S (1.5)0-1	3P (0.5)E-1
4175.486	8D (0.5)0-0	3P (0.5)E-1
4175.219	8D (0.5)0-1	3P (0.5)E-1
4174.353	8D (1.5)0-2	3P (0.5)E-1
4173.957	8D (1.5)0-1	3P (0.5)E-1
4173.941	10D*(2.5)0-2	3P (2.5)E-3
4173.932	10D*(1.5)0-2	3P (2.5)E-3
4173.928	10D*(2.5)0-3	3P (2.5)E-3
4173.610	8D (2.5)0-2	3P (0.5)E-1
4169.651	11D*(2.5)0-2	3P (2.5)E-2
4169.641	11D*(2.5)0-3	3P (2.5)E-2
4169.568	11D*(1.5)0-1	3P (2.5)E-2
4166.093	8S*(0.5)0-0	3P (0.5)E-1
4164.807	8S*(0.5)0-1	3P (0.5)E-1
4140.778	11D*(2.5)0-2	3P (2.5)E-3
4140.767	11D*(2.5)0-3	3P (2.5)E-3
4131.053	7D*(1.5)0-2	3P (0.5)E-1
4130.958	7D*(2.5)0-2	3P (0.5)E-1
4130.512	7D*(1.5)0-1	3P (0.5)E-1
4128.076	10S (1.5)0-2	3P (0.5)E-1
4126.962	10S (1.5)0-1	3P (0.5)E-1
4112.868	9D (0.5)0-0	3P (0.5)E-1
4112.693	9D (0.5)0-1	3P (0.5)E-1
4112.103	9D (1.5)0-2	3P (0.5)E-1
4111.858	9D (1.5)0-1	3P (0.5)E-1
4111.638	9D (2.5)0-2	3P (0.5)E-1
4080.145	11S (1.5)0-2	3P (0.5)E-1
4079.352	11S (1.5)0-1	3P (0.5)E-1
4069.391	10D (0.5)0-0	3P (0.5)E-1
4069.245	10D (0.5)0-1	3P (0.5)E-1
4068.839	10D (1.5)0-2	3P (0.5)E-1
4068.606	10D (1.5)0-1	3P (0.5)E-1
4068.453	10D (2.5)0-2	3P (0.5)E-1
4064.827	9S*(0.5)0-0	3P (0.5)E-1
4064.027	9S*(0.5)0-1	3P (0.5)E-1
4045.681	12S (1.5)0-2	3P (0.5)E-1
4045.054	12S (1.5)0-1	3P (0.5)E-1
4042.646	8D*(1.5)0-2	3P (0.5)E-1
4042.625	8D*(2.5)0-2	3P (0.5)E-1
4042.335	8D*(1.5)0-1	3P (0.5)E-1
4037.697	11D (0.5)0-0	3P (0.5)E-1
4037.617	11D (0.5)0-1	3P (0.5)E-1
4037.265	11D (1.5)0-2	3P (0.5)E-1
4037.113	11D (2.5)0-2	3P (0.5)E-1
4020.036	13S (1.5)0-2	3P (0.5)E-1
4019.613	13S (1.5)0-1	3P (0.5)E-1
4013.996	12D (0.5)0-1	3P (0.5)E-1
4013.760	12D (1.5)0-2	3P (0.5)E-1
4013.581	12D (2.5)0-2	3P (0.5)E-1
3999.274	10S*(0.5)0-0	3P (0.5)E-1
3998.607	10S*(0.5)0-1	3P (0.5)E-1
3995.723	13D (0.5)0-1	3P (0.5)E-1
3984.259	9D*(2.5)0-2	3P (0.5)E-1
3984.252	9D*(1.5)0-2	3P (0.5)E-1
3984.052	9D*(1.5)0-1	3P (0.5)E-1
3954.229	11S*(0.5)0-0	3P (0.5)E-1
3953.716	11S*(0.5)0-1	3P (0.5)E-1
3943.552	10D*(2.5)0-2	3P (0.5)E-1
3943.544	10D*(1.5)0-2	3P (0.5)E-1
3943.382	10D*(1.5)0-1	3P (0.5)E-1
3913.936	11D*(2.5)0-2	3P (0.5)E-1

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λ	Upper State	Lower State	λ	Upper State	Lower State
3913.862	11D*(1.5)0-1	3P (0.5)E-1	2992.456	5P (0.5)E-1	3S (1.5)0-2
3754.216	4P (1.5)E-1	3S*(0.5)0-1	2992.431	5P (0.5)E-0	3S (1.5)0-1
3701.225	4P (2.5)E-2	3S*(0.5)0-1	2982.671	5P (2.5)E-0	3S (1.5)0-2
3685.736	4P (1.5)E-1	3S*(0.5)0-1	2980.928	5P*(1.5)E-1	3S*(0.5)0-0
3682.243	4P (1.5)E-2	3S*(0.5)0-1	2980.649	5P*(0.5)E-1	3S*(0.5)0-0
3633.665	4P (0.5)E-0	3S*(0.5)0-1	2979.813	5P (2.5)E-2	3S (1.5)0-2
3609.180	4P (1.5)E-1	3S*(0.5)0-0	2975.525	5P (1.5)E-1	3S (1.5)0-2
3600.169	4P*(1.5)E-1	3S*(0.5)0-1	2974.722	5P (1.5)E-2	3S (1.5)0-2
3593.640	4P*(0.5)E-1	3S*(0.5)0-1	2971.650	5F (1.5)E-1	3S*(0.5)0-1
3593.526	4P*(1.5)E-2	3S*(0.5)0-1	2971.650	5F (1.5)E-2	3S*(0.5)0-1
3562.934	4P (1.5)E-1	3S (1.5)0-1	2970.885	5F (2.5)E-2	3S*(0.5)0-1
3545.844	4P (1.5)E-1	3S*(0.5)0-0	2957.291	4F*(2.5)E-3	3S (1.5)0-2
3520.472	4P*(0.5)E-0	3S*(0.5)0-1	2957.291	4F*(2.5)E-2	3S (1.5)0-2
3515.191	4P (2.5)E-2	3S (1.5)0-1	2952.526	6P (0.5)E-1	3S*(0.5)0-1
3510.721	4P (1.5)E-1	3S (1.5)0-2	2949.323	5P*(1.5)E-1	3S (1.5)0-1
3501.217	4P (1.5)E-1	3S (1.5)0-1	2949.051	5P*(0.5)E-1	3S (1.5)0-1
3498.064	4P (1.5)E-2	3S (1.5)0-1	2947.302	5P*(1.5)E-2	3S (1.5)0-1
3472.571	4P (2.5)E-0	3S (1.5)0-2	2946.739	6P (2.5)E-2	3S*(0.5)0-1
3466.579	4P*(1.5)E-1	3S*(0.5)0-0	2944.582	6P (1.5)E-1	3S*(0.5)0-1
3464.339	4P (2.5)E-2	3S (1.5)0-2	2944.206	6P (1.5)E-2	3S*(0.5)0-1
3460.525	4P*(0.5)E-1	3S*(0.5)0-0	2932.726	6P (0.5)E-0	3S*(0.5)0-1
3454.195	4P (0.5)E-0	3S (1.5)0-1	2929.326	5P*(0.5)E-0	3S (1.5)0-1
3450.765	4P (1.5)E-1	3S (1.5)0-2	2913.441	5P*(1.5)E-1	3S (1.5)0-2
3447.703	4P (1.5)E-2	3S (1.5)0-2	2913.176	5P*(0.5)E-1	3S (1.5)0-2
3423.913	4P*(1.5)E-1	3S (1.5)0-1	2911.468	5P*(1.5)E-2	3S (1.5)0-2
3418.006	4P*(0.5)E-1	3S (1.5)0-1	2903.676	5F*(2.5)E-2	3S*(0.5)0-1
3417.904	4P*(1.5)E-2	3S (1.5)0-1	2881.859	6P*(0.5)E-1	3S*(0.5)0-1
3375.649	4P*(1.5)E-1	3S (1.5)0-2	2881.311	6P*(1.5)E-1	3S*(0.5)0-1
3369.908	4P*(0.5)E-1	3S (1.5)0-2	2880.294	6P*(1.5)E-2	3S*(0.5)0-1
3369.808	4P*(1.5)E-2	3S (1.5)0-2	2880.036	5F (1.5)E-1	3S*(0.5)0-0
3351.749	4P*(0.5)E-0	3S (1.5)0-1	2872.669	6P*(0.5)E-0	3S*(0.5)0-1
3207.915	4F (1.5)E-1	3S*(0.5)0-1	2862.070	6P (0.5)E-1	3S*(0.5)0-0
3207.915	4F (1.5)E-2	3S*(0.5)0-1	2857.363	6F (1.5)E-1	3S*(0.5)0-1
3206.219	4F (2.5)E-2	3S*(0.5)0-1	2857.363	6F (1.5)E-2	3S*(0.5)0-1
3167.577	5P (0.5)E-1	3S*(0.5)0-1	2856.961	6F (2.5)E-2	3S*(0.5)0-1
3153.414	5P (2.5)E-2	3S*(0.5)0-1	2854.695	6P (1.5)E-1	3S*(0.5)0-0
3148.612	5P (1.5)E-1	3S*(0.5)0-1	2850.524	5F (1.5)E-2	3S (1.5)0-1
3147.713	5P (1.5)E-2	3S*(0.5)0-1	2850.524	5F (1.5)E-1	3S (1.5)0-1
3128.203	4F*(2.5)E-2	3S*(0.5)0-1	2849.821	5F (2.5)E-2	3S (1.5)0-1
3126.198	5P (0.5)E-0	3S*(0.5)0-1	2846.494	7P (0.5)E-1	3S*(0.5)0-1
3111.418	4F (1.5)E-1	3S*(0.5)0-0	2843.713	7P (2.5)E-2	3S*(0.5)0-1
3079.181	5P*(1.5)E-1	3S*(0.5)0-1	2842.556	7P (1.5)E-1	3S*(0.5)0-1
3078.884	5P*(0.5)E-1	3S*(0.5)0-1	2842.377	7P (1.5)E-2	3S*(0.5)0-1
3076.977	5P*(1.5)E-2	3S*(0.5)0-1	2835.232	7P (0.5)E-0	3S*(0.5)0-1
3067.222	4F (1.5)E-2	3S (1.5)0-1	2832.923	6P (0.5)E-1	3S (1.5)0-1
3067.222	4F (1.5)E-1	3S (1.5)0-1	2827.595	6P (2.5)E-2	3S (1.5)0-1
3065.671	4F (2.5)E-2	3S (1.5)0-1	2825.609	6P (1.5)E-1	3S (1.5)0-1
3063.697	5P (0.5)E-1	3S*(0.5)0-0	2825.263	6P (1.5)E-2	3S (1.5)0-1
3057.390	5P*(0.5)E-0	3S*(0.5)0-1	2816.992	5F (1.5)E-2	3S (1.5)0-2
3045.952	5P (1.5)E-1	3S*(0.5)0-0	2816.992	5F (1.5)E-1	3S (1.5)0-2
3030.324	5P (0.5)E-1	3S (1.5)0-1	2816.305	5F (2.5)E-3	3S (1.5)0-2
3028.433	4F (1.5)E-2	3S (1.5)0-2	2816.305	5F (2.5)E-2	3S (1.5)0-2
3028.433	4F (1.5)E-1	3S (1.5)0-2	2815.978	5F (3.5)E-3	3S (1.5)0-2
3026.920	4F (2.5)E-3	3S (1.5)0-2	2814.690	6P (0.5)E-0	3S (1.5)0-1
3026.920	4F (2.5)E-2	3S (1.5)0-2	2799.801	6P (0.5)E-1	3S (1.5)0-2
3026.186	4F (3.5)E-3	3S (1.5)0-2	2795.961	6P (2.5)E-3	3S (1.5)0-2
3017.359	5P (2.5)E-2	3S (1.5)0-1	2795.617	6P*(0.5)E-1	3S*(0.5)0-0
3012.962	5P (1.5)E-1	3S (1.5)0-1	2795.102	6P*(1.5)E-1	3S*(0.5)0-0
3012.139	5P (1.5)E-2	3S (1.5)0-1	2794.739	6F*(2.5)E-2	3S*(0.5)0-1
2994.268	4F*(2.5)E-2	3S (1.5)0-1	2794.597	6P (2.5)E-2	3S (1.5)0-2

NEON TRANSITIONS BY WAVELENGTHS

λ	Upper State	Lower State
2792.657	6P (1.5)E-1	3S (1.5)0-2
2792.638	7F (1.5)E-1	3S*(0.5)0-1
2792.638	7F (1.5)E-2	3S*(0.5)0-1
2792.365	7F (2.5)E-2	3S*(0.5)0-1
2792.319	6P (1.5)E-2	3S (1.5)0-2
2787.921	5F*(2.5)E-2	3S (1.5)0-1
2787.528	8P (0.5)E-1	3S*(0.5)0-1
2784.461	8P (2.5)E-2	3S*(0.5)0-1
2783.949	8P (1.5)E-1	3S*(0.5)0-1
2783.577	8P (1.5)E-2	3S*(0.5)0-1
2782.097	7P*(1.5)E-1	3S*(0.5)0-1
2781.648	7P*(1.5)E-2	3S*(0.5)0-1
2781.439	7P*(0.5)E-1	3S*(0.5)0-1
2781.416	8P (0.5)E-2	3S*(0.5)0-1
2775.049	7P*(0.5)E-2	3S*(0.5)0-1
2772.560	6F (1.5)E-1	3S*(0.5)0-0
2767.802	6P*(0.5)E-1	3S (1.5)0-1
2767.297	6P*(1.5)E-1	3S (1.5)0-1
2766.359	6P*(1.5)E-2	3S (1.5)0-1
2762.325	7P (0.5)E-1	3S*(0.5)0-0
2759.323	6P*(0.5)E-2	3S (1.5)0-1
2758.616	7P (1.5)E-1	3S*(0.5)0-0
2755.837	5F*(2.5)E-3	3S (1.5)0-2
2755.837	5F*(2.5)E-2	3S (1.5)0-2
2752.190	8F (1.5)E-2	3S*(0.5)0-1
2752.190	8F (1.5)E-1	3S*(0.5)0-1
2752.035	8F (2.5)E-2	3S*(0.5)0-1
2747.972	9P (0.5)E-1	3S*(0.5)0-1
2746.583	9P (2.5)E-2	3S*(0.5)0-1
2746.236	9P (1.5)E-1	3S*(0.5)0-1
2746.236	9P (1.5)E-2	3S*(0.5)0-1
2745.199	6F (1.5)E-1	3S (1.5)0-1
2745.199	6F (1.5)E-2	3S (1.5)0-1
2744.827	6F (2.5)E-2	3S (1.5)0-1
2743.530	9P (0.5)E-2	3S*(0.5)0-1
2736.176	6P*(0.5)E-1	3S (1.5)0-2
2735.683	6P*(1.5)E-1	3S (1.5)0-2
2735.165	7P (0.5)E-1	3S (1.5)0-1
2734.766	6P*(1.5)E-2	3S (1.5)0-2
2732.869	7F*(2.5)E-2	3S*(0.5)0-1
2732.597	7P (2.5)E-2	3S (1.5)0-1
2731.529	7P (1.5)E-1	3S (1.5)0-1
2731.363	7P (1.5)E-2	3S (1.5)0-1
2725.912	8P*(0.5)E-1	3S*(0.5)0-1
2725.124	8P*(1.5)E-2	3S*(0.5)0-1
2725.020	9F (2.5)E-2	3S*(0.5)0-1
2724.764	7P (0.5)E-2	3S (1.5)0-1
2723.172	8P*(0.5)E-2	3S*(0.5)0-1
2721.741	10P (0.5)E-1	3S*(0.5)0-1
2720.911	10P (1.5)E-1	3S*(0.5)0-1
2720.911	10P (1.5)E-2	3S*(0.5)0-1
2718.329	10P (0.5)E-2	3S*(0.5)0-1
2714.085	6F (1.5)E-2	3S (1.5)0-2
2714.085	6F (1.5)E-1	3S (1.5)0-2
2713.722	6F (2.5)E-3	3S (1.5)0-2
2713.722	6F (2.5)E-2	3S (1.5)0-2
2713.553	6F (3.5)E-3	3S (1.5)0-2
2711.579	7F (1.5)E-1	3S*(0.5)0-0
2706.760	8P (0.5)E-1	3S*(0.5)0-0
2704.277	7P (0.5)E-1	3S (1.5)0-2
2703.385	8P (1.5)E-1	3S*(0.5)0-0
2703.128	11P (1.5)E-2	3S*(0.5)0-1
2703.128	11P (1.5)E-1	3S*(0.5)0-1
2702.559	7P (2.5)E-3	3S (1.5)0-2
2701.767	7P (2.5)E-2	3S (1.5)0-2
2701.639	7P*(1.5)E-1	3S*(0.5)0-0
2701.019	7P*(0.5)E-1	3S*(0.5)0-0
2700.722	7P (1.5)E-1	3S (1.5)0-2
2700.560	7P (1.5)E-2	3S (1.5)0-2
2694.186	8F*(2.5)E-2	3S*(0.5)0-1
2689.058	9P*(1.5)E-2	3S*(0.5)0-1
2687.345	6F*(2.5)E-2	3S (1.5)0-1
2686.752	9P*(0.5)E-2	3S*(0.5)0-1
2685.402	7F (1.5)E-2	3S (1.5)0-1
2685.402	7F (1.5)E-1	3S (1.5)0-1
2685.150	7F (2.5)E-2	3S (1.5)0-1
2680.676	8P (0.5)E-1	3S (1.5)0-1
2677.839	8P (2.5)E-2	3S (1.5)0-1
2677.366	8P (1.5)E-1	3S (1.5)0-1
2677.022	8P (1.5)E-2	3S (1.5)0-1
2675.653	7P*(1.5)E-1	3S (1.5)0-1
2675.238	7P*(1.5)E-2	3S (1.5)0-1
2675.045	7P*(0.5)E-1	3S (1.5)0-1
2675.023	8P (0.5)E-2	3S (1.5)0-1
2673.428	8F (1.5)E-1	3S*(0.5)0-0
2669.448	9P (0.5)E-1	3S*(0.5)0-0
2669.133	7P*(0.5)E-2	3S (1.5)0-1
2667.810	9P (1.5)E-1	3S*(0.5)0-0
2657.521	6F*(2.5)E-2	3S (1.5)0-2
2657.521	6F*(2.5)E-3	3S (1.5)0-2
2657.507	6F*(3.5)E-3	3S (1.5)0-2
2655.622	7F (1.5)E-1	3S (1.5)0-2
2655.622	7F (1.5)E-2	3S (1.5)0-2
2655.375	7F (2.5)E-2	3S (1.5)0-2
2655.375	7F (2.5)E-3	3S (1.5)0-2
2655.286	7F (3.5)E-3	3S (1.5)0-2
2651.000	8P (0.5)E-1	3S (1.5)0-2
2648.626	8P*(0.5)E-1	3S*(0.5)0-0
2648.555	8P (2.5)E-3	3S (1.5)0-2
2648.225	8P (2.5)E-2	3S (1.5)0-2
2647.979	8F (1.5)E-2	3S (1.5)0-1
2647.979	8F (1.5)E-1	3S (1.5)0-1
2647.836	8F (2.5)E-2	3S (1.5)0-1
2647.762	8P (1.5)E-1	3S (1.5)0-2
2647.426	8P (1.5)E-2	3S (1.5)0-2
2646.087	7P*(1.5)E-1	3S (1.5)0-2
2645.681	7P*(1.5)E-2	3S (1.5)0-2
2645.492	7P*(0.5)E-1	3S (1.5)0-2
2644.687	10P (0.5)E-1	3S*(0.5)0-0
2644.075	9P (0.5)E-1	3S (1.5)0-1
2643.934	10P (1.5)E-1	3S*(0.5)0-0
2642.789	9P (2.5)E-2	3S (1.5)0-1
2642.467	9P (1.5)E-1	3S (1.5)0-1
2642.467	9P (1.5)E-2	3S (1.5)0-1
2639.962	9P (0.5)E-2	3S (1.5)0-1
2630.089	7F*(2.5)E-2	3S (1.5)0-1
2627.110	11P (1.5)E-1	3S*(0.5)0-0
2623.645	8P*(0.5)E-1	3S (1.5)0-1
2622.915	8P*(1.5)E-2	3S (1.5)0-1
2622.819	9F (2.5)E-2	3S (1.5)0-1

NEON TRANSITIONS BY WAVELENGTHS

λ	Upper State	Lower State
2621.106	8P*(0.5)E-3	3S (1.5)0-1
2619.780	10P (0.5)E-1	3S (1.5)0-1
2619.018	8F (1.5)E-2	3S (1.5)0-2
2619.018	8F (1.5)E-1	3S (1.5)0-2
2619.012	10P (1.5)E-2	3S (1.5)0-1
2619.012	10P (1.5)E-1	3S (1.5)0-1
2618.878	8F (2.5)E-3	3S (1.5)0-2
2618.878	8F (2.5)E-2	3S (1.5)0-2
2618.814	8F (3.5)E-3	3S (1.5)0-2
2616.619	10P (0.5)E-3	3S (1.5)0-1
2615.199	9P (0.5)E-1	3S (1.5)0-2
2614.255	9P (2.5)E-3	3S (1.5)0-2
2613.941	9P (2.5)E-2	3S (1.5)0-2
2613.626	9P (1.5)E-1	3S (1.5)0-2
2613.626	9P (1.5)E-2	3S (1.5)0-2
2602.531	11P (1.5)E-2	3S (1.5)0-1
2602.531	11P (1.5)E-1	3S (1.5)0-1
2601.516	7F*(2.5)E-2	3S (1.5)0-2
2601.516	7F*(3.5)E-3	3S (1.5)0-2
2601.516	7F*(2.5)E-3	3S (1.5)0-2
2595.211	8P*(0.5)E-1	3S (1.5)0-2
2594.497	8P*(1.5)E-2	3S (1.5)0-2
2594.402	9F (2.5)E-2	3S (1.5)0-2
2594.402	9F (2.5)E-3	3S (1.5)0-2
2594.369	9F (3.5)E-3	3S (1.5)0-2
2594.242	8F*(2.5)E-2	3S (1.5)0-1
2591.430	10P (0.5)E-1	3S (1.5)0-2
2591.148	10P (2.5)E-3	3S (1.5)0-2
2590.678	10P (1.5)E-2	3S (1.5)0-2
2590.678	10P (1.5)E-1	3S (1.5)0-2
2589.486	9P*(1.5)E-2	3S (1.5)0-1
2587.348	9P*(0.5)E-3	3S (1.5)0-1
2574.551	11P (1.5)E-2	3S (1.5)0-2
2574.551	11P (1.5)E-1	3S (1.5)0-2
2566.438	8F*(2.5)E-3	3S (1.5)0-2
2566.438	8F*(3.5)E-3	3S (1.5)0-2
2566.438	8F*(2.5)E-2	3S (1.5)0-2
2561.784	9P*(1.5)E-2	3S (1.5)0-2

ARGON TRANSITIONS BY MULTIPLETS

Upper State	Lower State	λ
5S*(0.5)0-0	4P (0.5)E-1	9291.543
5S*(0.5)0-1	4P (0.5)E-1	9194.635
6S (1.5)0-2	4P (0.5)E-1	6416.316
	4P (2.5)E-3	7030.261
	4P (2.5)E-2	7107.488
	4P (1.5)E-1	7353.186
	4P (1.5)E-2	7435.379
	4P*(1.5)E-1	7965.078
	4P*(1.5)E-2	8066.618
	4P*(0.5)E-1	8203.448
6S (1.5)0-1	4P (0.5)E-1	6384.719
	4P (2.5)E-2	7068.738
	4P (1.5)E-1	7311.719
	4P (1.5)E-2	7392.982
	4P (0.5)E-0	7868.198
	4P*(1.5)E-1	7916.445
	4P*(1.5)E-2	8016.741
	4P*(0.5)E-1	8151.870
	4P*(0.5)E-0	9057.497
6S*(0.5)0-0	4P (0.5)E-1	5882.621
	4P (1.5)E-1	6660.672
	4P*(1.5)E-1	7158.833
	4P*(0.5)E-1	7350.808
6S*(0.5)0-1	4P (0.5)E-1	5860.315
	4P (2.5)E-2	6491.560
	4P (1.5)E-1	6632.089
	4P (1.5)E-2	6698.879
	4P (0.5)E-0	7086.711
	4P*(1.5)E-1	7125.826
	4P*(1.5)E-2	7206.986
	4P*(0.5)E-1	7316.011
	4P*(0.5)E-0	8037.226
7S (1.5)0-2	4P (0.5)E-1	5451.657
	4P (2.5)E-3	5888.588
	4P (2.5)E-2	5942.674
	4P (1.5)E-1	6113.471
	4P (1.5)E-2	6170.179
	4P*(1.5)E-1	6530.580
	4P*(1.5)E-2	6598.684
	4P*(0.5)E-1	6689.964
7S (1.5)0-1	4P (0.5)E-1	5439.984
	4P (2.5)E-2	5928.806
	4P (1.5)E-1	6098.795
	4P (1.5)E-2	6155.230
	4P (0.5)E-0	6481.137
	4P*(1.5)E-1	6513.837
	4P*(1.5)E-2	6581.589
	4P*(0.5)E-1	6672.394
	4P*(0.5)E-0	7267.138
7S*(0.5)0-0	4P (0.5)E-1	5056.526
	4P (1.5)E-1	5620.916
	4P*(1.5)E-1	5971.596
	4P*(0.5)E-1	6104.585
7S*(0.5)0-1	4P (0.5)E-1	5054.167
	4P (2.5)E-2	5473.440
	4P (1.5)E-1	5618.002
	4P (1.5)E-2	5665.855
	4P (0.5)E-0	5940.842
	4P*(1.5)E-1	5968.306
	4P*(1.5)E-2	6025.136
	4P*(0.5)E-1	6101.147
	4P*(0.5)E-0	6594.649
8S (1.5)0-2	4P (0.5)E-1	5048.808
	4P (2.5)E-3	5421.346
	4P (2.5)E-2	5467.156
	4P (1.5)E-1	5611.382
	4P (1.5)E-2	5659.121
	4P*(1.5)E-1	5960.834
	4P*(1.5)E-2	6017.521
	4P*(0.5)E-1	6093.339
8S (1.5)0-1	4P (0.5)E-1	5040.490
	4P (2.5)E-2	5457.404
	4P (1.5)E-1	5601.109
	4P (1.5)E-2	5648.673
	4P (0.5)E-0	5921.955
	4P*(1.5)E-1	5949.244
	4P*(1.5)E-2	6005.710
	4P*(0.5)E-1	6081.228
	4P*(0.5)E-0	6571.384
8S*(0.5)0-0	4P (0.5)E-1	4708.424
	4P (1.5)E-1	5194.053
	4P*(1.5)E-1	5492.080
	4P*(0.5)E-1	5604.368
8S*(0.5)0-1	4P (0.5)E-1	5193.049
	4P (2.5)E-2	5636.691
	4P (1.5)E-1	5790.126
	4P (1.5)E-2	5840.970
	4P (0.5)E-0	6133.656
	4P*(1.5)E-1	6162.936
	4P*(1.5)E-2	6223.551
	4P*(0.5)E-1	6304.685
	4P*(0.5)E-0	6833.088
9S (1.5)0-2	4P (0.5)E-1	4836.693
	4P (2.5)E-3	5177.530
	4P (2.5)E-2	5219.296
	4P (1.5)E-1	5350.585
	4P (1.5)E-2	5393.973
	4P*(1.5)E-1	5667.393
	4P*(1.5)E-2	5718.612
	4P*(0.5)E-1	5787.042
9S (1.5)0-1	4P (0.5)E-1	4834.097
	4P (2.5)E-2	5216.273
	4P (1.5)E-1	5347.408
	4P (1.5)E-2	5390.744
	4P (0.5)E-0	5639.090
	4P*(1.5)E-1	5663.829
	4P*(1.5)E-2	5714.984
	4P*(0.5)E-1	5783.326
	4P*(0.5)E-0	6224.893

Upper State	Lower State	λ
9S*(0.5)0-0	4P (0.5)E-1	4523.484
	4P (1.5)E-1	4969.904
	4P*(1.5)E-1	5242.091
	4P*(0.5)E-1	5344.294
9S*(0.5)0-1	4P (0.5)E-1	4521.694
	4P (2.5)E-2	4854.371
	4P (1.5)E-1	4967.744
	4P (1.5)E-2	5005.123
	4P (0.5)E-0	5218.507
	4P*(1.5)E-1	5239.687
	4P*(1.5)E-2	5283.437
	4P*(0.5)E-1	5341.795
	4P*(0.5)E-0	5716.330
10S (1.5)0-2	4P (0.5)E-1	4709.480
	4P (2.5)E-3	5032.026
	4P (2.5)E-2	5071.469
	4P (1.5)E-1	5195.337
	4P (1.5)E-2	5236.235
	4P*(1.5)E-1	5493.516
	4P*(1.5)E-2	5541.628
	4P*(0.5)E-1	5605.863
10S (1.5)0-1	4P (0.5)E-1	4709.050
	4P (2.5)E-2	5070.970
	4P (1.5)E-1	5194.814
	4P (1.5)E-2	5235.703
	4P (0.5)E-0	5469.659
	4P*(1.5)E-1	5492.931
	4P*(1.5)E-2	5541.032
	4P*(0.5)E-1	5605.254
	4P*(0.5)E-0	6019.074
11S (1.5)0-2	4P (0.5)E-1	4626.773
	4P (2.5)E-3	4937.716
	4P (2.5)E-2	4975.688
	4P (1.5)E-1	5094.867
	4P (1.5)E-2	5134.192
	4P*(1.5)E-1	5381.307
	4P*(1.5)E-2	5427.465
	4P*(0.5)E-1	5489.067
11S (1.5)0-1	4P (0.5)E-1	4625.478
	4P (2.5)E-2	4974.190
	4P (1.5)E-1	5093.297
	4P (1.5)E-2	5132.597
	4P (0.5)E-0	5357.232
	4P*(1.5)E-1	5379.555
	4P*(1.5)E-2	5425.683
	4P*(0.5)E-1	5487.244
	4P*(0.5)E-0	5883.208
12S (1.5)0-2	4P (0.5)E-1	4569.679
	4P (2.5)E-3	4872.744
	4P (2.5)E-2	4909.720
	4P (1.5)E-1	5025.723
	4P (1.5)E-2	5063.983
	4P*(1.5)E-1	5304.228
	4P*(1.5)E-2	5349.068
	4P*(0.5)E-1	5408.893
12S (1.5)0-1	4P (0.5)E-1	4568.647
	4P (2.5)E-2	4908.529
	4P (1.5)E-1	5024.475
	4P (1.5)E-2	5062.717
	4P (0.5)E-0	5281.146
	4P*(1.5)E-1	5302.839
	4P*(1.5)E-2	5347.654
	4P*(0.5)E-1	5407.448
	4P*(0.5)E-0	5791.576
13S (1.5)0-2	4P (0.5)E-1	4528.515
	4P (2.5)E-3	4825.967
	4P (2.5)E-2	4862.234
	4P (1.5)E-1	4975.978
	4P (1.5)E-2	5013.482
	4P*(1.5)E-1	5248.848
	4P*(1.5)E-2	5292.752
	4P*(0.5)E-1	5351.317
13S (1.5)0-1	4P (0.5)E-1	4527.893
	4P (2.5)E-2	4861.517
	4P (1.5)E-1	4975.227
	4P (1.5)E-2	5012.720
	4P (0.5)E-0	5226.766
	4P*(1.5)E-1	5248.013
	4P*(1.5)E-2	5291.903
	4P*(0.5)E-1	5350.450
	4P*(0.5)E-0	5726.241
14S (1.5)0-2	4P (0.5)E-1	4497.845
	4P (2.5)E-3	4791.151
	4P (2.5)E-2	4826.895
	4P (1.5)E-1	4938.972
	4P (1.5)E-2	4975.919
	4P*(1.5)E-1	5207.689
	4P*(1.5)E-2	5250.905
	4P*(0.5)E-1	5308.543
14S (1.5)0-1	4P (0.5)E-1	4497.197
	4P (2.5)E-2	4826.149
	4P (1.5)E-1	4938.192
	4P (1.5)E-2	4975.126
	4P (0.5)E-0	5185.906
	4P*(1.5)E-1	5206.821
	4P*(1.5)E-2	5250.022
	4P*(0.5)E-1	5307.641
	4P*(0.5)E-0	5677.236
4P (0.5)E-1	4S (1.5)0-2	9122.966
	4S (1.5)0-1	9657.785
4P (2.5)E-3	4S (1.5)0-2	8115.311
4P (2.5)E-2	4S (1.5)0-2	8014.785
	4S (1.5)0-1	8424.647
	4S*(0.5)0-1	9784.502
4P (1.5)E-1	4S (1.5)0-2	7723.760
	4S (1.5)0-1	810..693
	4S*(0.5)0-0	8667.944
	4S*(0.5)0-1	9354.219

ARGON TRANSITIONS BY MULTIPLETS

Upper State	Lower State	λ
4P (1.5)E-2	4S (1.5)0-2	7635.106
	4S (1.5)0-1	8006.157
	4S*(0.5)0-1	9224.499
4P (0.5)E-0	4S (1.5)0-1	7514.651
	4S*(0.5)0-1	8578.061
4P*(1.5)E-1	4S (1.5)0-2	7147.041
	4S (1.5)0-1	7471.164
	4S*(0.5)0-0	7948.176
	4S*(0.5)0-1	8521.442
4P*(1.5)E-2	4S (1.5)0-2	7067.218
	4S (1.5)0-1	7383.980
	4S*(0.5)0-1	8408.209
4P*(0.5)E-1	4S (1.5)0-2	6965.431
	4S (1.5)0-1	7272.936
	4S*(0.5)0-0	7724.207
	4S*(0.5)0-1	8264.522
4P*(0.5)E-0	4S (1.5)0-1	6677.281
	4S*(0.5)0-1	7503.868
5P (0.5)E-1	4S (1.5)0-2	4251.098
	4S (1.5)0-1	4363.703
	4S*(0.5)0-0	4522.224
	4S*(0.5)0-1	4702.209
5P (2.5)E-3	4S (1.5)0-2	4200.675
5P (2.5)E-2	4S (1.5)0-2	4190.713
	4S (1.5)0-1	4300.101
	4S*(0.5)0-1	4628.441
5P (1.5)E-1	4S (1.5)0-2	4164.180
	4S (1.5)0-1	4272.170
	4S*(0.5)0-0	4423.995
	4S*(0.5)0-1	4596.097
5P (1.5)E-2	4S (1.5)0-2	4158.591
	4S (1.5)0-1	4266.287
	4S*(0.5)0-1	4589.289
5P (0.5)E-0	4S (1.5)0-1	4198.318
	4S*(0.5)0-1	4510.733
5P*(1.5)E-1	4S (1.5)0-2	3957.134
	4S (1.5)0-1	4054.526
	4S*(0.5)0-0	4191.030
	4S*(0.5)0-1	4345.168
5P*(1.5)E-2	4S (1.5)0-2	3947.505
	4S (1.5)0-1	4044.418
	4S*(0.5)0-1	4333.561
5P*(0.5)E-1	4S (1.5)0-2	3948.979
	4S (1.5)0-1	4045.966
	4S*(0.5)0-0	4181.884
	4S*(0.5)0-1	4335.338
5P*(0.5)E-0	4S (1.5)0-1	3979.716
	4S*(0.5)0-1	4259.362
6P (0.5)E-1	4S (1.5)0-2	3580.002
	4S (1.5)0-1	3659.530
	4S*(0.5)0-0	3770.369
	4S*(0.5)0-1	3894.661
6P (2.5)E-3	4S (1.5)0-2	3567.657
6P (2.5)E-2	4S (1.5)0-2	3564.287
	4S (1.5)0-1	3643.111
	4S*(0.5)0-1	3876.069
6P (1.5)E-1	4S (1.5)0-2	3556.007
	4S (1.5)0-1	3634.461
	4S*(0.5)0-0	3743.765
	4S*(0.5)0-1	3866.279
6P (1.5)E-2	4S (1.5)0-2	3554.306
	4S (1.5)0-1	3632.684
	4S*(0.5)0-1	3864.269
6P (0.5)E-0	4S (1.5)0-1	3606.522
	4S*(0.5)0-1	3834.679
6P*(1.5)E-1	4S (1.5)0-2	3392.776
	4S (1.5)0-1	3464.121
	4S*(0.5)0-0	3563.280
	4S*(0.5)0-1	3674.092
6P*(1.5)E-2	4S (1.5)0-2	3389.858
	4S (1.5)0-1	3461.078
	4S*(0.5)0-1	3670.670
6P*(0.5)E-1	4S (1.5)0-2	3393.752
	4S (1.5)0-1	3465.138
	4S*(0.5)0-0	3564.356
	4S*(0.5)0-1	3675.236
6P*(0.5)E-0	4S (1.5)0-1	3442.546
	4S*(0.5)0-1	3649.833
6P*(1.5)E-1	3D (0.5)0-0	9136.685
	3D (0.5)0-1	9263.867
	3D (1.5)0-2	9547.771
6P*(1.5)E-2	3D (0.5)0-1	9242.142
	3D (1.5)0-2	9524.695
6P*(0.5)E-1	3D (0.5)0-0	9143.762
	3D (0.5)0-1	9271.144
	3D (1.5)0-2	9555.501
6P*(0.5)E-0	3D (0.5)0-1	9111.177
7P (0.5)E-1	4S (1.5)0-2	3329.239
	4S (1.5)0-1	3397.909
	4S*(0.5)0-0	3493.262
	4S*(0.5)0-1	3599.697

Upper State	Lower State	λ
7P (2.5)E-3	4S (1.5)0-2	3325.502
7P (2.5)E-2	4S (1.5)0-2	3323.855
	4S (1.5)0-1	3392.301
	4S*(0.5)0-1	3593.404
7P (1.5)E-1	4S (1.5)0-2	3320.073
	4S (1.5)0-1	3388.361
	4S*(0.5)0-0	3483.172
	4S*(0.5)0-1	3588.984
7P (1.5)E-2	4S (1.5)0-2	3319.345
	4S (1.5)0-1	3387.603
	4S*(0.5)0-1	3588.133
7P (0.5)E-0	4S (1.5)0-1	3373.481
	4S*(0.5)0-1	3572.294
7P*(1.5)E-1	4S (1.5)0-2	3173.714
	4S (1.5)0-1	3236.059
	4S*(0.5)0-0	3322.429
	4S*(0.5)0-1	3418.567
7P*(1.5)E-2	4S (1.5)0-2	3172.206
	4S (1.5)0-1	3234.491
	4S*(0.5)0-1	3416.816
7P*(0.5)E-1	4S (1.5)0-2	3172.958
	4S (1.5)0-1	3235.272
	4S*(0.5)0-0	3321.600
	4S*(0.5)0-1	3417.689
7P*(0.5)E-0	4S (1.5)0-1	3224.957
	4S*(0.5)0-1	3406.179
7P*(1.5)E-1	5S (1.5)0-2	8946.101
	5S (1.5)0-1	9088.186
7P*(1.5)E-2	5S (1.5)0-2	8934.125
	5S (1.5)0-1	9075.827
7P*(0.5)E-1	5S (1.5)0-2	8940.093
	5S (1.5)0-1	9081.986
7P*(0.5)E-0	5S (1.5)0-1	9001.163
7P (0.5)E-1	3D (0.5)0-0	8690.079
	3D (0.5)0-1	8805.054
	3D (1.5)0-2	9061.144
7P (2.5)E-3	3D (3.5)0-4	9561.623
	3D (3.5)0-3	9815.247
	3D (1.5)0-2	9033.519
7P (2.5)E-2	3D (0.5)0-1	8767.494
	3D (3.5)0-3	9800.909
	3D (1.5)0-2	9021.372
7P (1.5)E-1	3D (0.5)0-0	8627.905
	3D (0.5)0-1	8741.230
	3D (1.5)0-2	8993.568

Upper State	Lower State	λ
7P (1.5)E-2	3D (0.5)0-1	8736.187
	3D (3.5)0-3	9761.804
	3D (1.5)0-2	8988.229
7P (0.5)E-0	3D (0.5)0-1	8642.883
7P*(1.5)E-1	3D (0.5)0-0	7704.614
	3D (0.5)0-1	7794.856
	3D (1.5)0-2	7994.887
	3D (1.5)0-1	9525.020
	3D (2.5)0-2	8912.206
	3D*(2.5)0-2	9994.763
7P*(1.5)E-2	3D (0.5)0-1	7785.762
	3D (3.5)0-3	8590.089
	3D (1.5)0-2	7985.322
	3D (1.5)0-1	9511.445
	3D (2.5)0-2	8900.321
	3D (2.5)0-3	9136.668
	3D*(2.5)0-2	9979.818
7P*(0.5)E-1	3D (0.5)0-0	7700.158
	3D (0.5)0-1	7790.294
	3D (1.5)0-2	7990.089
	3D (1.5)0-1	9518.209
	3D (2.5)0-2	8906.244
	3D*(2.5)0-2	9987.265
7P*(0.5)E-0	3D (0.5)0-1	7730.752
	3D (1.5)0-1	9429.474
8P (0.5)E-1	4S (1.5)0-2	3207.504
	4S (1.5)0-1	3271.196
	4S*(0.5)0-0	3359.478
	4S*(0.5)0-1	3457.803
8P (2.5)E-3	4S (1.5)0-2,	3203.667
8P (2.5)E-2	4S (1.5)0-2	3202.878
	4S (1.5)0-1	3266.385
	4S*(0.5)0-1	3452.428
8P (1.5)E-1	4S (1.5)0-2	3200.863
	4S (1.5)0-1	3264.289
	4S*(0.5)0-0	3352.194
	4S*(0.5)0-1	3450.086
8P (1.5)E-2	4S (1.5)0-2	3200.389
	4S (1.5)0-1	3263.796
	4S*(0.5)0-1	3449.535
8P (0.5)E-0	4S (1.5)0-1	3257.585
	4S*(0.5)0-1	3442.598
8P*(1.5)E-1	4S (1.5)0-2	3062.838
	4S (1.5)0-1	3120.863
	4S*(0.5)0-0	3201.118
	4S*(0.5)0-1	3290.269
8P*(1.5)E-2	4S (1.5)0-2	3062.074
	4S (1.5)0-1	3120.070
	4S*(0.5)0-1	3289.388

ARGON TRANSITIONS BY MULTIPLETS

Upper State	Lower State	λ
8P*(0.5)E-1	4S (1.5)0-2	3063.448
	4S (1.5)0-1	3121.497
	4S*(0.5)0-0	3201.784
	4S*(0.5)0-1	3290.973
8P*(0.5)E-0	4S (1.5)0-1	3116.227
	4S*(0.5)0-1	3285.117
8P (0.5)E-1	5S (1.5)0-2	9219.868
	5S (1.5)0-1	9370.856
8P (2.5)E-3	5S (1.5)0-2	9188.244
8P (2.5)E-2	5S (1.5)0-2	9181.754
	5S (1.5)0-1	9331.486
8P (1.5)E-1	5S (1.5)0-2	9165.214
	5S (1.5)0-1	9314.403
8P (1.5)E-2	5S (1.5)0-2	9161.325
	5S (1.5)0-1	9310.386
8P (0.5)E-0	5S (1.5)0-1	9260.023
8P*(1.5)E-1	5S (1.5)0-2	8117.785
	5S (1.5)0-1	8234.606
	5S*(0.5)0-0	9153.214
	5S*(0.5)0-1	9249.246
8P*(1.5)E-2	5S (1.5)0-2	8112.423
	5S (1.5)0-1	8229.088
	5S*(0.5)0-1	9242.285
8P*(0.5)E-1	5S (1.5)0-2	8122.072
	5S (1.5)0-1	8239.017
	5S*(0.5)0-0	9158.665
	5S*(0.5)0-1	9254.812
8P*(0.5)E-0	5S (1.5)0-1	8202.412
	5S*(0.5)0-1	9208.649
8P (0.5)E-1	3D (0.5)0-0	7906.812
	3D (0.5)0-1	8001.882
	3D (1.5)0-2	8212.823
	3D (1.5)0-1	9835.981
	3D (2.5)0-2	9183.872
8P (2.5)E-3	3D (3.5)0-4	8619.202
	3D (3.5)0-3	8824.757
	3D (1.5)0-2	8187.721
	3D (2.5)0-2	9152.494
	3D (2.5)0-3	9402.611
8P (2.5)E-2	3D (0.5)0-1	7973.157
	3D (3.5)0-3	8818.770
	3D (1.5)0-2	8182.567
	3D (1.5)0-1	9792.615
	3D (2.5)0-2	9146.054
	3D (2.5)0-3	9395.815
8P (1.5)E-1	3D (0.5)0-0	7866.582
	3D (0.5)0-1	7960.681
	3D (1.5)0-2	8169.428
	3D (1.5)0-1	9773.803
	3D (2.5)0-2	9129.642
8P (1.5)E-2	3D (0.5)0-1	7957.747
	3D (3.5)0-3	8799.923
	3D (1.5)0-2	8166.339
	3D (1.5)0-1	9769.381
	3D (2.5)0-2	9125.784
	3D (2.5)0-3	9374.424
8P (0.5)E-0	3D (0.5)0-1	7920.926
	3D (1.5)0-1	9713.944
8P*(1.5)E-1	3D (0.5)0-0	7082.246
	3D (0.5)0-1	7158.425
	3D (1.5)0-2	7326.774
	3D (1.5)0-1	8591.625
	3D (2.5)0-2	8089.867
	3D*(2.5)0-2	8971.978
	3D*(1.5)0-2	9106.116
	3D*(1.5)0-1	9597.156
8P*(1.5)E-2	3D (0.5)0-1	7154.255
	3D (3.5)0-3	7827.752
	3D (1.5)0-2	7322.405
	3D (1.5)0-1	8585.618
	3D (2.5)0-2	8084.541
	3D (2.5)0-3	8279.075
	3D*(2.5)0-2	8965.427
	3D*(2.5)0-3	9113.313
	3D*(1.5)0-2	9099.369
	3D*(1.5)0-1	9589.662
8P*(0.5)E-1	3D (0.5)0-0	7085.509
	3D (0.5)0-1	7161.759
	3D (1.5)0-2	7330.266
	3D (1.5)0-1	8596.427
	3D (2.5)0-2	8094.124
	3D*(2.5)0-2	8977.214
	3D*(1.5)0-2	9111.511
	3D*(1.5)0-1	9603.148
8P*(0.5)E-0	3D (0.5)0-1	7134.084
	3D (1.5)0-1	8556.585
	3D*(1.5)0-1	9553.455
9P (0.5)E-1	4S (1.5)0-2	3135.877
	4S (1.5)0-1	3196.730
	4S*(0.5)0-0	3280.986
	4S*(0.5)0-1	3374.707
9P (2.5)E-3	4S (1.5)0-2	3132.880
9P (2.5)E-2	4S (1.5)0-2	3132.320
	4S (1.5)0-1	3193.033
	4S*(0.5)0-1	3370.588

ARGON TRANSITIONS BY MULTIPLETS

Upper State	Lower State	λ
9P (1.5)E-1	4S (1.5)0-2	3131.064
	4S (1.5)0-1	3191.729
	4S*(0.5)0-0	3275.718
	4S*(0.5)0-1	3369.134
9P (1.5)E-2	4S (1.5)0-2	3130.839
	4S (1.5)0-1	3191.494
	4S*(0.5)0-1	3368.872
9P (0.5)E-0	4S (1.5)0-1	3186.648
	4S*(0.5)0-1	3363.473
9P*(0.5)E-0	4S (1.5)0-1	3050.356
	4S*(0.5)0-1	3211.996
9P (0.5)E-1	5S (1.5)0-2	8651.852
	5S (1.5)0-1	8784.675
	5S*(0.5)0-0	9837.956
	5S*(0.5)0-1	9948.980
9P (2.5)E-3	5S (1.5)0-2	8629.075
9P (2.5)E-2	5S (1.5)0-2	8624.831
	5S (1.5)0-1	8756.820
	5S*(0.5)0-1	9913.267
9P (1.5)E-1	5S (1.5)0-2	8615.318
	5S (1.5)0-1	8747.013
	5S*(0.5)0-0	9790.746
	5S*(0.5)0-1	9900.701
9P (1.5)E-2	5S (1.5)0-2	8613.610
	5S (1.5)0-1	8745.252
	5S*(0.5)0-1	9898.446
9P (0.5)E-0	5S (1.5)0-1	8708.959
	5S*(0.5)0-1	9851.975
9P*(0.5)E-0	5S (1.5)0-1	7761.276
	5S*(0.5)0-1	8656.286
9P (0.5)E-1	3D (0.5)0-0	7485.366
	3D (0.5)0-1	7570.516
	3D (1.5)0-2	7759.060
	3D (1.5)0-1	9192.164
	3D (2.5)0-2	8620.146
	3D*(2.5)0-2	9628.898
	3D*(1.5)0-2	9783.569
9P (2.5)E-3	3D (3.5)0-4	8125.287
	3D (3.5)0-3	8307.709
	3D (1.5)0-2	7740.736
	3D (2.5)0-2	8597.536
	3D (2.5)0-3	8817.877
	3D*(2.5)0-2	9600.695
	3D*(2.5)0-3	9770.479
	3D*(1.5)0-2	9754.453

Upper State	Lower State	λ
9P (2.5)E-2	3D (0.5)0-1	7549.820
	3D (3.5)0-3	8303.776
	3D (1.5)0-2	7737.321
	3D (1.5)0-1	9161.670
	3D (2.5)0-2	8593.323
	3D (2.5)0-3	8813.446
	3D*(2.5)0-2	9595.442
	3D*(2.5)0-3	9765.039
	3D*(1.5)0-2	9749.031
9P (1.5)E-1	3D (0.5)0-0	7458.003
	3D (0.5)0-1	7542.529
	3D (1.5)0-2	7729.664
	3D (1.5)0-1	9150.936
	3D (2.5)0-2	8583.879
	3D*(2.5)0-2	9583.669
	3D*(1.5)0-2	9736.878
9P (1.5)E-2	3D (0.5)0-1	7541.220
	3D (3.5)0-3	8293.374
	3D (1.5)0-2	7728.289
	3D (1.5)0-1	9149.009
	3D (2.5)0-2	8582.184
	3D (2.5)0-3	8801.728
	3D*(2.5)0-2	9581.555
	3D*(2.5)0-3	9750.657
	3D*(1.5)0-2	9734.696
9P (0.5)E-0	3D (0.5)0-1	7514.216
	3D (1.5)0-1	9109.294
9P*(0.5)E-0	3D (0.5)0-1	6798.022
	3D (1.5)0-1	8077.643
	3D*(1.5)0-1	8960.285
10P (0.5)E-1	4S (1.5)0-2	3089.178
	4S (1.5)0-1	3148.215
	4S*(0.5)0-0	3229.902
	4S*(0.5)0-1	3320.686
10P (2.5)E-3	4S (1.5)0-2	3087.804
10P (1.5)E-1	4S (1.5)0-2	3086.699
	4S (1.5)0-1	3145.640
	4S*(0.5)0-0	3227.190
	4S*(0.5)0-1	3317.820
10P (1.5)E-2	4S (1.5)0-2	3086.479
	4S (1.5)0-1	3145.412
	4S*(0.5)0-1	3317.567
10P (0.5)E-0	4S (1.5)0-1	3142.634
	4S*(0.5)0-1	3314.476
10P (0.5)E-1	5S (1.5)0-2	8305.473
	5S (1.5)0-1	8427.798
	5S*(0.5)0-0	9392.540
	5S*(0.5)0-1	9493.687
10P (2.5)E-3	5S (1.5)0-2	8295.548

ARGON TRANSITIONS BY MULTIPLETS

Upper State	Lower State	λ
10P (1.5)E-1	5S (1.5)0-2	8287.572
	5S (1.5)0-1	8409.366
	5S*(0.5)0-0	9369.653
	5S*(0.5)0-1	9470.305
10P (1.5)E-2	5S (1.5)0-2	8285.992
	5S (1.5)0-1	8407.740
	5S*(0.5)0-1	9468.242
10P (0.5)E-0	5S (1.5)0-1	8387.917
	5S*(0.5)0-1	9443.110
10P (0.5)E-1	3D (0.5)0-0	7224.684
	3D (0.5)0-1	7303.975
	3D (1.5)0-2	7479.323
	3D (1.5)0-1	8802.147
	3D (2.5)0-2	8276.251
	3D*(2.5)0-2	9201.801
	3D*(1.5)0-2	9342.954
	3D*(1.5)0-1	9860.594
10P (2.5)E-3	3D (3.5)0-4	7828.899
	3D (3.5)0-3	7998.117
	3D (1.5)0-2	7471.274
	3D (2.5)0-2	8266.396
	3D (2.5)0-3	8469.890
	3D*(2.5)0-2	9189.620
	3D*(2.5)0-3	9345.059
	3D*(1.5)0-2	9330.397
10P (1.5)E-1	3D (0.5)0-0	7211.134
	3D (0.5)0-1	7290.127
	3D (1.5)0-2	7464.803
	3D (1.5)0-1	8782.043
	3D (2.5)0-2	8258.475
	3D*(2.5)0-2	9179.832
	3D*(1.5)0-2	9320.307
	3D*(1.5)0-1	9835.372
10P (1.5)E-2	3D (0.5)0-1	7288.905
	3D (3.5)0-3	7989.233
	3D (1.5)0-2	7463.521
	3D (1.5)0-1	8780.269
	3D (2.5)0-2	8256.907
	3D (2.5)0-3	8459.928
	3D*(2.5)0-2	9177.894
	3D*(2.5)0-3	9332.933
	3D*(1.5)0-2	9318.309
	3D*(1.5)0-1	9833.147
10P (0.5)E-0	3D (0.5)0-1	7274.002
	3D (1.5)0-1	8758.653
	3D*(1.5)0-1	9806.044
11P (0.5)E-1	4S (1.5)0-2	3057.171
	4S (1.5)0-1	3114.980
	4S*(0.5)0-0	3194.928
	4S*(0.5)0-1	3283.730

Upper State	Lower State	λ
11P (1.5)E-1	4S (1.5)0-2	3056.330
	4S (1.5)0-1	3114.106
	4S*(0.5)0-0	3194.010
	4S*(0.5)0-1	3282.760
11P (1.5)E-2	4S (1.5)0-2	3056.283
	4S (1.5)0-1	3114.058
	4S*(0.5)0-1	3282.706
11P (0.5)E-0	4S (1.5)0-1	3110.657
	4S*(0.5)0-1	3278.927
11P (0.5)E-1	5S (1.5)0-2	8078.100
	5S (1.5)0-1	8193.773
	5S*(0.5)0-0	9102.792
	5S*(0.5)0-1	9197.763
11P (1.5)E-1	5S (1.5)0-2	8072.230
	5S (1.5)0-1	8187.734
	5S*(0.5)0-0	9095.338
	5S*(0.5)0-1	9190.153
11P (1.5)E-2	5S (1.5)0-2	8071.904
	5S (1.5)0-1	8187.398
	5S*(0.5)0-1	9189.731
11P (0.5)E-0	5S (1.5)0-1	8163.930
	5S*(0.5)0-1	9160.175
11P (0.5)E-1	3D (0.5)0-0	7052.021
	3D (0.5)0-1	7127.549
	3D (1.5)0-2	7294.431
	3D (1.5)0-1	8547.185
	3D (2.5)0-2	8050.454
	3D*(2.5)0-2	8923.527
	3D*(1.5)0-2	9056.210
	3D*(1.5)0-1	9541.739
11P (1.5)E-1	3D (0.5)0-0	7047.547
	3D (0.5)0-1	7122.978
	3D (1.5)0-2	7289.644
	3D (1.5)0-1	8540.613
	3D (2.5)0-2	8044.624
	3D*(2.5)0-2	8916.364
	3D*(1.5)0-2	9048.833
	3D*(1.5)0-1	9533.550
11P (1.5)E-2	3D (0.5)0-1	7122.724
	3D (3.5)0-3	7790.021
	3D (1.5)0-2	7289.378
	3D (1.5)0-1	8540.248
	3D (2.5)0-2	8044.300
	3D (2.5)0-3	8236.879
	3D*(2.5)0-2	8915.966
	3D*(2.5)0-3	9062.212
	3D*(1.5)0-2	9048.423
	3D*(1.5)0-1	9533.095
11P (0.5)E-0	3D (0.5)0-1	7104.956
	3D (1.5)0-1	8514.717
	3D*(1.5)0-1	9501.293

ARGON TRANSITIONS BY MULTIPLETS

Upper State	Lower State	λ
12P (0.5)E-1	4S (1.5)0-2	3035.974
	4S (1.5)0-1	3092.977
	4S*(0.5)0-0	3171.786
	4S*(0.5)0-1	3259.289
12P (0.5)E-0	4S (1.5)0-1	3090.194
	4S*(0.5)0-1	3256.199
12P (0.5)E-1	5S (1.5)0-2	7931.779
	5S (1.5)0-1	8043.271
	5S*(0.5)0-0	8917.422
	5S*(0.5)0-1	9008.545
12P (0.5)E-0	5S (1.5)0-1	8024.483
	5S*(0.5)0-1	8984.984
12P (0.5)E-1	3D (0.5)0-0	6940.254
	3D (0.5)0-1	7013.393
	3D (1.5)0-2	7174.912
	3D (1.5)0-1	8383.550
	3D (2.5)0-2	7905.124
	3D*(2.5)0-2	8745.314
	3D*(1.5)0-2	8872.713
	3D*(1.5)0-1	9338.260
12P (0.5)E-0	3D (0.5)0-1	6999.104
	3D (1.5)0-1	8363.140
	3D*(1.5)0-1	9312.945
13P (0.5)E-0	4S (1.5)0-1	3074.201
	4S*(0.5)0-1	3238.446
13P (0.5)E-0	5S (1.5)0-1	7917.526
	5S*(0.5)0-1	8851.103
13P (0.5)E-0	3D (0.5)0-1	6917.596
	3D (1.5)0-1	8247.030
	3D*(1.5)0-1	9169.190
3D (1.5)0-1	4P (0.5)E-1	9951.875
3D*(2.5)0-2	4P (0.5)E-1	9486.060
3D*(1.5)0-2	4P (0.5)E-1	9340.583
3D*(1.5)0-1	4P (0.5)E-1	8874.811
4D (0.5)0-0	4P (0.5)E-1	6937.702
	4P (1.5)E-1	8046.168
	4P*(1.5)E-1	8784.617
	4P*(0.5)E-1	9075.459
4D (0.5)0-1	4P (0.5)E-1	6871.289
	4P (2.5)E-2	7670.057
	4P (1.5)E-1	7956.973
	4P (1.5)E-2	8053.307
	4P (0.5)E-0	8620.460
	4P*(1.5)E-1	8678.407
	4P*(1.5)E-2	8799.087
	4P*(0.5)E-1	8962.145

Upper State	Lower State	λ
4D (3.5)0-4	4P (2.5)E-3	7372.117
4D (3.5)0-3	4P (2.5)E-3	7270.661
	4P (2.5)E-2	7353.291
	4P (1.5)E-2	7704.814
	4P*(1.5)E-2	8384.721
4D (1.5)0-2	4P (0.5)E-1	6752.833
	4P (2.5)E-3	7436.295
	4P (2.5)E-2	7522.755
	4P (1.5)E-1	7798.559
	4P (1.5)E-2	7891.073
	4P*(1.5)E-1	8490.304
	4P*(1.5)E-2	8605.774
	4P*(0.5)E-1	8761.683
4D (1.5)0-1	4P (0.5)E-1	6349.202
	4P (2.5)E-2	7025.229
	4P (1.5)E-1	7265.177
	4P (1.5)E-2	7345.404
	4P (0.5)E-0	7814.329
	4P*(1.5)E-1	7861.915
	4P*(1.5)E-2	7960.825
	4P*(0.5)E-1	8094.061
	4P*(0.5)E-0	8986.186
4D (2.5)0-2	4P (0.5)E-1	6515.946
	4P (2.5)E-3	7150.046
	4P (2.5)E-2	7229.943
	4P (1.5)E-1	7484.331
	4P (1.5)E-2	7569.499
	4P*(1.5)E-1	8119.186
	4P*(1.5)E-2	8224.719
	4P*(0.5)E-1	8367.013
4D (2.5)0-3	4P (2.5)E-3	7088.585
	4P (2.5)E-2	7167.106
	4P (1.5)E-2	7500.650
	4P*(1.5)E-2	8143.499
4D*(2.5)0-2	4P (0.5)E-1	6052.721
	4P (2.5)E-3	6596.110
	4P (2.5)E-2	6664.048
	4P (1.5)E-1	6879.579
	4P (1.5)E-2	6951.474
	4P*(1.5)E-1	7412.333
	4P*(1.5)E-2	7500.191
	4P*(0.5)E-1	7618.340
4D*(2.5)0-3	4P (2.5)E-3	6538.114
	4P (2.5)E-2	6604.856
	4P (1.5)E-2	6887.090
	4P*(1.5)E-2	7425.297
4D*(1.5)0-2	4P (0.5)E-1	6059.373
	4P (2.5)E-3	6604.011
	4P (2.5)E-2	6672.112
	4P (1.5)E-1	6888.174
	4P (1.5)E-2	6960.249
	4P*(1.5)E-1	7422.311
	4P*(1.5)E-2	7510.408
	4P*(0.5)E-1	7628.881

ARGON TRANSITIONS BY MULTIPLETS

Upper State	Lower State	λ
4D*(1.5)0-1	4P (0.5)E-1	5912.084
	4P (2.5)E-2	6493.967
	4P (1.5)E-1	6698.468
	4P (1.5)E-2	6766.609
	4P (0.5)E-0	7162.554
	4P*(1.5)E-1	7202.513
	4P*(1.5)E-2	7285.441
	4P*(0.5)E-1	7396.870
	4P*(0.5)E-0	8134.920
5D (0.5)0-0	4P (0.5)E-1	5650.703
	4P (1.5)E-1	6364.892
	4P*(1.5)E-1	6818.287
	4P*(0.5)E-1	6992.209
5D (0.5)0-1	4P (0.5)E-1	5606.732
	4P (2.5)E-2	6127.414
	4P (1.5)E-1	6309.158
	4P (1.5)E-2	6369.572
	4P (0.5)E-0	6719.216
	4P*(1.5)E-1	6754.370
	4P*(1.5)E-2	6827.246
	4P*(0.5)E-1	6925.006
	4P*(0.5)E-0	7567.805
5D (3.5)0-4	4P (2.5)E-3	6032.124
5D (3.5)0-3	4P (2.5)E-3	5987.296
	4P (2.5)E-2	6043.218
	4P (1.5)E-2	6278.640
	4P*(1.5)E-2	6722.884
5D (1.5)0-2	4P (0.5)E-1	5558.702
	4P (2.5)E-3	6013.677
	4P (2.5)E-2	6070.095
	4P (1.5)E-1	6248.405
	4P (1.5)E-2	6307.656
	4P*(1.5)E-1	6684.787
	4P*(1.5)E-2	6756.162
	4P*(0.5)E-1	6851.883
5D (1.5)0-1	4P (0.5)E-1	5429.692
	4P (2.5)E-2	5916.584
	4P (1.5)E-1	6085.863
	4P (1.5)E-2	6142.058
	4P (0.5)E-0	6466.534
	4P*(1.5)E-1	6499.087
	4P*(1.5)E-2	6566.532
	4P*(0.5)E-1	6656.919
	4P*(0.5)E-0	7248.785
5D (2.5)0-2	4P (0.5)E-1	5499.030
	4P (2.5)E-3	5943.897
	4P (2.5)E-2	5999.008
	4P (1.5)E-1	6173.106
	4P (1.5)E-2	6230.931
	4P*(1.5)E-1	6598.676
	4P*(1.5)E-2	6668.215
	4P*(0.5)E-1	6761.442
5D (2.5)0-3	4P (2.5)E-3	5927.128
	4P (2.5)E-2	5981.927
	4P (1.5)E-2	6212.506
	4P*(1.5)E-2	6647.117
5D*(2.5)0-2	4P (0.5)E-1	5152.307
	4P (2.5)E-3	5540.863
	4P (2.5)E-2	5588.723
	4P (1.5)E-1	5739.523
	4P (1.5)E-2	5789.478
	4P*(1.5)E-1	6105.639
	4P*(1.5)E-2	6165.127
	4P*(0.5)E-1	6244.734
5D*(2.5)0-3	4P (2.5)E-3	5524.963
	4P (2.5)E-2	5572.548
	4P (1.5)E-2	5772.121
	4P*(1.5)E-2	6145.449
5D*(1.5)0-2	4P (0.5)E-1	5187.746
	4P (2.5)E-3	5581.870
	4P (2.5)E-2	5630.444
	4P (1.5)E-1	5783.535
	4P (1.5)E-2	5834.262
	4P*(1.5)E-1	6155.469
	4P*(1.5)E-2	6215.937
	4P*(0.5)E-1	6296.870
5D*(1.5)0-1	4P (0.5)E-1	5071.286
	4P (2.5)E-2	5493.522
	4P (1.5)E-1	5639.161
	4P (1.5)E-2	5687.377
	4P (0.5)E-0	5964.508
	4P*(1.5)E-1	5992.192
	4P*(1.5)E-2	6049.479
	4P*(0.5)E-1	6126.110
	4P*(0.5)E-0	6623.823
6D (0.5)0-0	4P (0.5)E-1	5151.398
	4P (1.5)E-1	5738.395
	4P*(1.5)E-1	6104.362
	4P*(0.5)E-1	6243.399
6D (0.5)0-1	4P (0.5)E-1	5162.284
	4P (2.5)E-2	5600.465
	4P (1.5)E-1	5751.907
	4P (1.5)E-2	5802.078
	4P (0.5)E-0	6090.784
	4P*(1.5)E-1	6119.655
	4P*(1.5)E-2	6179.418
	4P*(0.5)E-1	6259.397
	4P*(0.5)E-0	6779.924
6D (3.5)0-4	4P (2.5)E-3	5495.872
6D (3.5)0-3	4P (2.5)E-3	5459.650
	4P (2.5)E-2	5506.112
	4P (1.5)E-2	5700.872
	4P*(1.5)E-2	6064.750
6D (1.5)0-2	4P (0.5)E-1	5073.069
	4P (2.5)E-3	5449.330
	4P (2.5)E-2	5495.615
	4P (1.5)E-1	5641.367
	4P (1.5)E-2	5689.620
	4P*(1.5)E-1	5994.682
	4P*(1.5)E-2	6052.018
	4P*(0.5)E-1	6128.712

ARGON TRANSITIONS BY MULTIPLETS

Upper State	Lower State	λ
6D (2.5)0-2	4P (0.5)E-1	5068.375
	4P (2.5)E-3	5443.914
	4P (2.5)E-2	5490.107
	4P (1.5)E-1	5635.563
	4P (1.5)E-2	5683.717
	4P*(1.5)E-1	5988.129
	4P*(1.5)E-2	6045.339
	4P*(0.5)E-1	6121.863
6D (2.5)0-3	4P (2.5)E-3	5442.240
	4P (2.5)E-2	5488.404
	4P (1.5)E-2	5681.892
	4P*(1.5)E-2	6043.274
6D*(2.5)0-2	4P (0.5)E-1	4758.009
	4P (2.5)E-3	5087.469
	4P (2.5)E-2	5127.789
	4P (1.5)E-1	5254.459
	4P (1.5)E-2	5296.296
	4P*(1.5)E-1	5559.662
	4P*(1.5)E-2	5608.944
	4P*(0.5)E-1	5674.759
6D*(2.5)0-3	4P (2.5)E-3	5078.032
	4P (2.5)E-2	5118.202
	4P (1.5)E-2	5286.069
	4P*(1.5)E-2	5597.475
6D*(1.5)0-2	4P (0.5)E-1	4768.672
	4P (2.5)E-3	5099.662
	4P (2.5)E-2	5140.176
	4P (1.5)E-1	5267.465
	4P (1.5)E-2	5309.511
	4P*(1.5)E-1	5574.225
	4P*(1.5)E-2	5623.767
	4P*(0.5)E-1	5689.933
6D*(1.5)0-1	4P (0.5)E-1	4719.197
	4P (2.5)E-2	5082.739
	4P (1.5)E-1	5207.166
	4P (1.5)E-2	5248.250
	4P (0.5)E-0	5483.354
	4P*(1.5)E-1	5506.743
	4P*(1.5)E-2	5555.087
	4P*(0.5)E-1	5619.637
	4P*(0.5)E-0	6035.663
7D (0.5)0-0	4P (0.5)E-1	4894.693
	4P (1.5)E-1	5421.654
	4P*(1.5)E-1	5747.190
	4P*(0.5)E-1	5870.269
7D (0.5)0-1	4P (0.5)E-1	4887.946
	4P (2.5)E-2	5279.029
	4P (1.5)E-1	5413.378
	4P (1.5)E-2	5457.795
	4P (0.5)E-0	5712.503
	4P*(1.5)E-1	5737.891
	4P*(1.5)E-2	5790.399
	4P*(0.5)E-1	5860.568
	4P*(0.5)E-0	6314.471
7D (3.5)0-4	4P (2.5)E-3	5221.270
7D (3.5)0-3	4P (2.5)E-3	5210.485
	4P (2.5)E-2	5252.786
	4P (1.5)E-2	5429.750
	4P*(1.5)E-2	5758.841
7D (1.5)0-2	4P (0.5)E-1	4876.260
	4P (2.5)E-3	5222.896
	4P (2.5)E-2	5265.400
	4P (1.5)E-1	5399.047
	4P (1.5)E-2	5443.228
	4P*(1.5)E-1	5721.794
	4P*(1.5)E-2	5774.006
	4P*(0.5)E-1	5843.776
7D (1.5)0-1	4P (0.5)E-1	4832.784
	4P (2.5)E-2	5214.744
	4P (1.5)E-1	5345.801
	4P (1.5)E-2	5389.111
	4P (0.5)E-0	5637.303
	4P*(1.5)E-1	5662.026
	4P*(1.5)E-2	5713.148
	4P*(0.5)E-1	5781.446
	4P*(0.5)E-0	6222.715
7D (2.5)0-2	4P (0.5)E-1	4855.404
	4P (2.5)E-3	5198.977
	4P (2.5)E-2	5241.091
	4P (1.5)E-1	5373.492
	4P (1.5)E-2	5417.254
	4P*(1.5)E-1	5693.099
	4P*(1.5)E-2	5744.787
	4P*(0.5)E-1	5813.848
7D (2.5)0-3	4P (2.5)E-3	5192.728
	4P (2.5)E-2	5234.740
	4P (1.5)E-2	5410.469
	4P*(1.5)E-2	5737.158
7D*(2.5)0-2	4P (0.5)E-1	4551.974
	4P (2.5)E-3	4852.618
	4P (2.5)E-2	4889.288
	4P (1.5)E-1	5004.316
	4P (1.5)E-2	5042.250
	4P*(1.5)E-1	5280.389
	4P*(1.5)E-2	5324.925
	4P*(0.5)E-1	5384.106
7D*(2.5)0-3	4P (2.5)E-3	4846.722
	4P (2.5)E-2	4883.303
	4P (1.5)E-2	5035.885
	4P*(1.5)E-2	5317.727
7D*(1.5)0-2	4P (0.5)E-1	4554.315
	4P (2.5)E-3	4855.279
	4P (2.5)E-2	4891.989
	4P (1.5)E-1	5007.146
	4P (1.5)E-2	5045.123
	4P*(1.5)E-1	5283.540
	4P*(1.5)E-2	5328.029
	4P*(0.5)E-1	5387.382

ARGON TRANSITIONS BY MULTIPLETS

Upper State	Lower State	λ
8D (0.5)0-0	4P (0.5)E-1	4746.822
	4P (1.5)E-1	5240.818
	4P*(1.5)E-1	5544.393
	4P*(0.5)E-1	5658.853
8D (0.5)0-1	4P (0.5)E-1	4752.938
	4P (2.5)E-2	5121.900
	4P (1.5)E-1	5248.275
	4P (1.5)E-2	5290.013
	4P (0.5)E-0	5528.959
	4P*(1.5)E-1	5552.739
	4P*(1.5)E-2	5601.898
	4P*(0.5)E-1	5667.547
	4P*(0.5)E-0	6090.964
8D (3.5)0-4	4P (2.5)E-3	5060.071
8D (3.5)0-3	4P (2.5)E-3	5047.390
	4P (2.5)E-2	5087.074
	4P (1.5)E-2	5252.872
	4P*(1.5)E-2	5560.266
8D (1.5)0-2	4P (0.5)E-1	4719.935
	4P (2.5)E-3	5043.964
	4P (2.5)E-2	5083.595
	4P (1.5)E-1	5208.064
	4P (1.5)E-2	5249.162
	4P*(1.5)E-1	5507.747
	4P*(1.5)E-2	5556.109
	4P*(0.5)E-1	5620.683
8D (2.5)0-2	4P (0.5)E-1	4718.046
	4P (2.5)E-3	5041.807
	4P (2.5)E-2	5081.404
	4P (1.5)E-1	5205.764
	4P (1.5)E-2	5246.826
	4P*(1.5)E-1	5505.175
	4P*(1.5)E-2	5553.492
	4P*(0.5)E-1	5618.005
8D (2.5)0-3	4P (2.5)E-3	5041.248
	4P (2.5)E-2	5080.835
	4P (1.5)E-2	5246.220
	4P*(1.5)E-2	5552.813
9D (0.5)0-0	4P (0.5)E-1	4651.387
	4P (1.5)E-1	5124.730
	4P*(1.5)E-1	5414.633
	4P*(0.5)E-1	5523.745
9D (0.5)0-1	4P (0.5)E-1	4647.492
	4P (2.5)E-2	4999.659
	4P (1.5)E-1	5120.003
	4P (1.5)E-2	5159.718
	4P (0.5)E-0	5386.786
	4P*(1.5)E-1	5409.356
	4P*(1.5)E-2	5455.998
	4P*(0.5)E-1	5518.253
	4P*(0.5)E-0	5918.869
9D (3.5)0-4	4P (2.5)E-3	4956.753
9D (3.5)0-3	4P (2.5)E-3	4951.757
	4P (2.5)E-2	4989.946
	4P (1.5)E-2	5149.374
	4P*(1.5)E-2	5444.434
9D (1.5)0-2	4P (0.5)E-1	4642.138
	4P (2.5)E-3	4955.220
	4P (2.5)E-2	4993.463
	4P (1.5)E-1	5113.505
	4P (1.5)E-2	5153.120
	4P*(1.5)E-1	5402.104
	4P*(1.5)E-2	5448.621
	4P*(0.5)E-1	5510.707
9D (1.5)0-1	4P (0.5)E-1	4624.917
	4P (2.5)E-2	4973.542
	4P (1.5)E-1	5092.617
	4P (1.5)E-2	5131.907
	4P (0.5)E-0	5356.480
	4P*(1.5)E-1	5378.797
	4P*(1.5)E-2	5424.911
	4P*(0.5)E-1	5486.455
	4P*(0.5)E-0	5882.301
9D (2.5)0-2	4P (0.5)E-1	4634.907
	4P (2.5)E-3	4946.981
	4P (2.5)E-2	4985.096
	4P (1.5)E-1	5104.732
	4P (1.5)E-2	5144.210
	4P*(1.5)E-1	5392.314
	4P*(1.5)E-2	5438.661
	4P*(0.5)E-1	5500.519
9D (2.5)0-3	4P (2.5)E-3	4944.781
	4P (2.5)E-2	4982.863
	4P (1.5)E-2	5141.831
	4P*(1.5)E-2	5436.003
10D (0.5)0-0	4P (0.5)E-1	4587.227
	4P (1.5)E-1	5046.956
	4P*(1.5)E-1	5327.886
	4P*(0.5)E-1	5433.496
10D (0.5)0-1	4P (0.5)E-1	4586.613
	4P (2.5)E-2	4929.273
	4P (1.5)E-1	5046.213
	4P (1.5)E-2	5084.787
	4P (0.5)E-0	5305.167
	4P*(1.5)E-1	5327.057
	4P*(1.5)E-2	5372.285
	4P*(0.5)E-1	5432.634
	4P*(0.5)E-0	5820.477
10D (3.5)0-4	4P (2.5)E-3	4886.291
10D (3.5)0-3	4P (2.5)E-3	4883.889
	4P (2.5)E-2	4921.035
	4P (1.5)E-2	5076.022
	4P*(1.5)E-2	5362.502

ARGON TRANSITIONS BY MULTIPLETS

Upper State	Lower State	λ
10D (1.5)0-2	4P (0.5)E-1	4584.936
	4P (2.5)E-3	4890.096
	4P (2.5)E-2	4927.336
	4P (1.5)E-1	5044.183
	4P (1.5)E-2	5082.727
	4P*(1.5)E-1	5324.796
	4P*(1.5)E-2	5369.985
	4P*(0.5)E-1	5430.282
10D (2.5)0-2	4P (0.5)E-1	4576.727
	4P (2.5)E-3	4880.759
	4P (2.5)E-2	4917.857
	4P (1.5)E-1	5034.249
	4P (1.5)E-2	5072.640
	4P*(1.5)E-1	5313.727
	4P*(1.5)E-2	5358.728
	4P*(0.5)E-1	5418.770
10D (2.5)0-3	4P (2.5)E-3	4877.977
	4P (2.5)E-2	4915.032
	4P (1.5)E-2	5069.635
	4P*(1.5)E-2	5355.375
11D (0.5)0-0	4P (0.5)E-1	4541.601
	4P (1.5)E-1	4991.782
	4P*(1.5)E-1	5266.436
	4P*(0.5)E-1	5369.600
11D (0.5)0-1	4P (0.5)E-1	4544.733
	4P (2.5)E-2	4880.935
	4P (1.5)E-1	4995.566
	4P (1.5)E-2	5033.367
	4P (0.5)E-0	5249.218
	4P*(1.5)E-1	5270.648
	4P*(1.5)E-2	5314.919
	4P*(0.5)E-1	5373.979
	4P*(0.5)E-0	5753.201
11D (3.5)0-4	4P (2.5)E-3	4835.970
11D (3.5)0-3	4P (2.5)E-3	4831.499
	4P (2.5)E-2	4867.849
	4P (1.5)E-2	5019.453
	4P*(1.5)E-2	5299.407
11D (1.5)0-2	4P (0.5)E-1	4532.286
	4P (2.5)E-3	4830.250
	4P (2.5)E-2	4866.582
	4P (1.5)E-1	4980.531
	4P (1.5)E-2	5018.105
	4P*(1.5)E-1	5253.915
	4P*(1.5)E-2	5297.904
	4P*(0.5)E-1	5356.584
11D (2.5)0-2	4P (0.5)E-1	4531.752
	4P (2.5)E-3	4829.644
	4P (2.5)E-2	4865.966
	4P (1.5)E-1	4979.886
	4P (1.5)E-2	5017.450
	4P*(1.5)E-1	5253.197
	4P*(1.5)E-2	5297.174
	4P*(0.5)E-1	5355.838
11D (2.5)0-3	4P (2.5)E-3	4829.471
	4P (2.5)E-2	4865.790
	4P (1.5)E-2	5017.263
	4P*(1.5)E-2	5296.967
12D (0.5)0-0	4P (0.5)E-1	4507.478
	4P (1.5)E-1	4950.590
	4P*(1.5)E-1	5220.607
	4P*(0.5)E-1	5321.966
12D (0.5)0-1	4P (0.5)E-1	4505.160
	4P (2.5)E-2	4835.320
	4P (1.5)E-1	4947.794
	4P (1.5)E-2	4984.872
	4P (0.5)E-0	5196.497
	4P*(1.5)E-1	5217.498
	4P*(1.5)E-2	5260.877
	4P*(0.5)E-1	5318.736
	4P*(0.5)E-0	5689.931
12D (3.5)0-4	4P (2.5)E-3	4798.743
12D (3.5)0-3	4P (2.5)E-3	4796.558
	4P (2.5)E-2	4832.282
	4P (1.5)E-2	4981.751
	4P*(1.5)E-2	5257.400
12D (1.5)0-2	4P (0.5)E-1	4503.153
	4P (2.5)E-3	4797.175
	4P (2.5)E-2	4833.009
	4P (1.5)E-1	4945.374
	4P (1.5)E-2	4982.416
	4P*(1.5)E-1	5214.807
	4P*(1.5)E-2	5258.141
	4P*(0.5)E-1	5315.939
12D (2.5)0-2	4P (0.5)E-1	4501.024
	4P (2.5)E-3	4794.759
	4P (2.5)E-2	4830.557
	4P (1.5)E-1	4942.806
	4P (1.5)E-2	4979.810
	4P*(1.5)E-1	5211.952
	4P*(1.5)E-2	5255.239
	4P*(0.5)E-1	5312.972
12D (2.5)0-3	4P (2.5)E-3	4794.069
	4P (2.5)E-2	4829.856
	4P (1.5)E-2	4979.066
	4P*(1.5)E-2	5254.410
13D (0.5)0-1	4P (0.5)E-1	4480.872
	4P (2.5)E-2	4807.353
	4P (1.5)E-1	4918.515
	4P (1.5)E-2	4955.154
	4P (0.5)E-0	5164.210
	4P*(1.5)E-1	5184.950
	4P*(1.5)E-2	5227.788
	4P*(0.5)E-1	5284.916
	4P*(0.5)E-0	5651.244
13D (3.5)0-4	4P (2.5)E-3	4770.381

ARGON TRANSITIONS BY MULTIPLETS

Upper State	Lower State	λ
13D (3.5)0-3	4P (2.5)E-3	4768.920
	4P (2.5)E-2	4804.331
	4P (1.5)E-2	4951.944
	4P*(1.5)E-2	5224.214
13D (1.5)0-2	4P (0.5)E-1	4479.304
	4P (2.5)E-3	4770.119
	4P (2.5)E-2	4805.548
	4P (1.5)E-1	4916.625
	4P (1.5)E-2	4953.237
	4P*(1.5)E-1	5182.851
	4P*(1.5)E-2	5225.653
	4P*(0.5)E-1	5282.735
13D (2.5)0-2	4P (0.5)E-1	4477.037
	4P (2.5)E-3	4767.549
	4P (2.5)E-2	4802.939
	4P (1.5)E-1	4913.895
	4P (1.5)E-2	4950.465
	4P*(1.5)E-1	5179.816
	4P*(1.5)E-2	5222.569
	4P*(0.5)E-1	5279.583
13D (2.5)0-3	4P (2.5)E-3	4766.776
	4P (2.5)E-2	4802.155
	4P (1.5)E-2	4949.632
	4P*(1.5)E-2	5221.641
14D (0.5)0-0	4P (0.5)E-1	4461.851
	4P (1.5)E-1	4895.606
	4P*(1.5)E-1	5159.499
	4P*(0.5)E-1	5258.477
14D (0.5)0-1	4P (0.5)E-1	4461.461
	4P (2.5)E-2	4785.017
	4P (1.5)E-1	4895.136
	4P (1.5)E-2	4931.428
	4P (0.5)E-0	5138.444
	4P*(1.5)E-1	5158.977
	4P*(1.5)E-2	5201.385
	4P*(0.5)E-1	5257.935
	4P*(0.5)E-0	5620.404
14D (3.5)0-4	4P (2.5)E-3	4748.231
14D (3.5)0-3	4P (2.5)E-3	4747.261
	4P (2.5)E-2	4782.350
	4P (1.5)E-2	4928.595
	4P*(1.5)E-2	5198.234
14D (1.5)0-2	4P (0.5)E-1	4460.517
	4P (2.5)E-3	4748.820
	4P (2.5)E-2	4783.932
	4P (1.5)E-1	4894.001
	4P (1.5)E-2	4930.275
	4P*(1.5)E-1	5157.716
	4P*(1.5)E-2	5200.102
	4P*(0.5)E-1	5256.625
14D (2.5)0-3	4P (2.5)E-3	4745.371
	4P (2.5)E-2	4780.432
	4P (1.5)E-2	4926.557
	4P*(1.5)E-2	5195.967

Upper State	Lower State	λ
4F (1.5)E-1	4S (1.5)0-2	3696.556
	4S (1.5)0-1	3781.407
	4S*(0.5)0-0	3899.872
	4S*(0.5)0-1	4032.998
4F (1.5)E-2	4S (1.5)0-2	3696.512
	4S (1.5)0-1	3781.361
	4S*(0.5)0-1	4032.946
4F (2.5)E-3	4S (1.5)0-2	3690.896
4F (2.5)E-2	4S (1.5)0-2	3678.637
	4S (1.5)0-1	3762.659
	4S*(0.5)0-1	4011.679
4F (3.5)E-3	4S (1.5)0-2	3688.127
4F*(3.5)E-3	4S (1.5)0-2	3506.591
4F*(2.5)E-3	4S (1.5)0-2	3506.478
4F*(2.5)E-2	4S (1.5)0-2	3506.446
	4S (1.5)0-1	3582.704
	4S*(0.5)0-1	3807.764
5F (1.5)E-1	4S (1.5)0-2	3383.997
	4S (1.5)0-1	3454.969
	4S*(0.5)0-0	3553.597
	4S*(0.5)0-1	3663.799
5F (1.5)E-2	4S (1.5)0-2	3383.974
	4S (1.5)0-1	3454.945
	4S*(0.5)0-1	3663.772
5F (2.5)E-3	4S (1.5)0-2	3381.509
5F (2.5)E-2	4S (1.5)0-2	3381.481
	4S (1.5)0-1	3452.347
	4S*(0.5)0-1	3660.850
5F (3.5)E-3	4S (1.5)0-2	3380.370
5F*(3.5)E-3	4S (1.5)0-2	3225.717
5F*(2.5)E-3	4S (1.5)0-2	3225.556
5F*(2.5)E-2	4S (1.5)0-2	3225.539
	4S (1.5)0-1	3289.957
	4S*(0.5)0-1	3478.772
5F*(3.5)E-3	5S (1.5)0-2	9371.971
5F*(2.5)E-3	5S (1.5)0-2	9370.610
5F*(2.5)E-2	5S (1.5)0-2	9370.469
	5S (1.5)0-1	9526.472
5F (1.5)E-1	3D (0.5)0-0	9073.298
	3D (0.5)0-1	9198.710
	3D (1.5)0-2	9478.574

ARGON TRANSITIONS BY MULTIPLETS

Upper State	Lower State	λ
5F (1.5)E-2	3D (0.5)C-1	9198.541
	3D (1.5)C-2	9478.394
5F (2.5)E-3	3D (1.5)C-2	9459.077
5F (2.5)E-2	3D (0.5)C-1	9180.144
	3D (1.5)C-2	9458.863
5F (3.5)E-3	3D (1.5)C-2	9450.171
5F*(3.5)E-3	3D (3.5)C-4	8780.677
	3D (3.5)C-3	8994.101
	3D (1.5)C-2	8333.297
	3D (2.5)C-2	9334.780
	3D (2.5)C-3	9595.102
5F*(3.5)E-4	3D (3.5)C-4	8780.677
	3D (3.5)C-3	8994.101
	3D (2.5)C-3	9595.102
5F*(2.5)E-3	3D (3.5)C-4	8779.482
	3D (3.5)C-3	8992.848
	3D (1.5)C-2	8332.220
	3D (2.5)C-2	9333.429
	3D (2.5)C-3	9593.675
5F*(2.5)E-2	3D (0.5)C-1	8115.076
	3D (3.5)C-3	8992.718
	3D (1.5)C-2	8332.109
	3D (2.5)C-2	9333.290
	3D (2.5)C-3	9593.527
6F (1.5)E-1	4S (1.5)C-2	3235.588
	4S (1.5)C-1	3300.412
	4S*(0.5)C-1	3390.299
	4S*(0.5)C-1	3490.463
6F (1.5)E-2	4S (1.5)C-2	3235.569
	4S (1.5)C-1	3300.392
	4S*(0.5)C-1	3490.441
6F (2.5)E-3	4S (1.5)C-2	3234.516
6F (2.5)E-2	4S (1.5)C-2	3234.494
	4S (1.5)C-1	3299.273
	4S*(0.5)C-1	3489.190
6F (3.5)E-3	4S (1.5)C-2	3233.792
6F*(3.5)E-3	4S (1.5)C-2	3091.357
6F*(2.5)E-3	4S (1.5)C-2	3091.313
6F*(2.5)E-2	4S (1.5)C-2	3091.295
	4S (1.5)C-1	3150.414
	4S*(0.5)C-1	3323.132
6F (1.5)E-1	5S (1.5)C-2	9455.775
	5S (1.5)C-1	9614.655
6F (1.5)E-2	5S (1.5)C-2	9455.615
	5S (1.5)C-1	9614.489
6F (2.5)E-3	5S (1.5)C-2	9446.625
6F (2.5)E-2	5S (1.5)C-2	9446.438
	5S (1.5)C-1	9605.002
6F (3.5)E-3	5S (1.5)C-2	9440.453
6F*(3.5)E-3	5S (1.5)C-2	8321.235
6F*(2.5)E-3	5S (1.5)C-2	8320.916
6F*(2.5)E-2	5S (1.5)C-2	8320.792
	5S (1.5)C-1	8443.572
	5S*(0.5)C-1	9513.708
6F (1.5)E-1	3D (0.5)C-3	8079.680
	3D (0.5)C-1	8178.978
	3D (1.5)C-2	8399.489
	3D (2.5)C-2	9417.917
6F (1.5)E-2	3D (0.5)C-1	8178.856
	3D (3.5)C-3	9071.108
	3D (1.5)C-2	8399.362
	3D (2.5)C-2	9417.757
	3D (2.5)C-3	9682.794
6F (4.5)E-4	3D (3.5)C-4	8849.935
	3D (3.5)C-3	9066.781
	3D (2.5)C-3	9677.863
6F (4.5)E-5	3D (3.5)C-4	8849.935
6F (2.5)E-3	3D (3.5)C-4	8846.176
	3D (3.5)C-3	9062.835
	3D (1.5)C-2	8392.269
	3D (2.5)C-2	9408.840
	3D (2.5)C-3	9673.368
6F (2.5)E-2	3D (0.5)C-1	8171.992
	3D (3.5)C-3	9062.662
	3D (1.5)C-2	8392.121
	3D (2.5)C-2	9408.654
	3D (2.5)C-3	9673.171
6F (3.5)E-3	3D (3.5)C-4	8840.762
	3D (3.5)C-3	9057.153
	3D (1.5)C-2	8387.396
	3D (2.5)C-2	9402.717
	3D (2.5)C-3	9666.895
6F (3.5)E-4	3D (3.5)C-4	8840.762
	3D (3.5)C-3	9057.153
	3D (2.5)C-3	9666.895
6F*(3.5)E-3	3D (3.5)C-4	7851.772
	3D (3.5)C-3	8021.991
	3D (1.5)C-2	7492.103
	3D (2.5)C-2	8291.902
	3D (2.5)C-3	8496.669
	3D*(2.5)C-2	9221.152
	3D*(2.5)C-3	9377.668
	3D*(1.5)C-2	9362.904

ARGON TRANSITIONS BY MULTIPLETS

Upper State	Lower State	λ
6F•(3.5)E-4	3D (3.5)0-4	7851.772
	3D (3.5)0-3	8021.991
	3D (2.5)0-3	8496.669
	3D•(2.5)0-3	9377.668
6F•(2.5)E-3	3D (3.5)0-4	7851.489
	3D (3.5)0-3	8021.695
	3D (1.5)0-2	7491.844
	3D (2.5)0-2	8291.586
	3D (2.5)0-3	8496.337
	3D•(2.5)0-2	9220.761
	3D•(2.5)0-3	9377.264
	3D•(1.5)0-2	9362.501
6F•(2.5)E-2	3D (0.5)0-1	7315.820
	3D (3.5)0-3	8021.580
	3D (1.5)0-2	7491.743
	3D (1.5)0-1	8819.354
	3D (2.5)0-2	8291.462
	3D (2.5)0-3	8496.207
	3D•(2.5)0-2	9220.608
	3D•(2.5)0-3	9377.106
	3D•(1.5)0-2	9362.343
	3D•(1.5)0-1	9882.194
7F (1.5)E-1	4S (1.5)0-2	3152.325
	4S (1.5)0-1	3213.824
	4S•(0.5)0-0	3298.996
	4S•(0.5)0-1	3393.762
7F (1.5)E-2	4S (1.5)0-2	3152.310
	4S (1.5)0-1	3213.808
	4S•(0.5)0-1	3393.748
7F (2.5)E-3	4S (1.5)0-2	3151.552
7F (2.5)E-2	4S (1.5)0-2	3151.537
	4S (1.5)0-1	3213.005
	4S•(0.5)0-1	3392.850
7F (3.5)E-3	4S (1.5)0-2	3151.182
7F•(3.5)E-3	4S (1.5)0-2	3015.615
7F•(2.5)E-3	4S (1.5)0-2	3015.605
7F (1.5)E-1	5S (1.5)0-2	8778.211
	5S (1.5)0-1	8914.972
	5S•(0.5)0-0	10001.663
7F (1.5)E-2	5S (1.5)0-2	8778.095
	5S (1.5)0-1	8914.853
7F (2.5)E-3	5S (1.5)0-2	8772.226
7F (2.5)E-2	5S (1.5)0-2	8772.110
	5S (1.5)0-1	8908.680
7F (3.5)E-3	5S (1.5)0-2	8769.356
7F•(3.5)E-3	5S (1.5)0-2	7794.309
7F•(2.5)E-3	5S (1.5)0-2	7794.236

Upper State	Lower State	λ
7F (1.5)E-1	3D (0.5)0-0	7579.763
	3D (0.5)0-1	7667.087
	3D (1.5)0-2	7860.534
	3D (1.5)0-1	9334.929
	3D (2.5)0-2	8745.574
	3D•(2.5)0-2	9785.667
	3D•(1.5)0-2	9945.456
7F (1.5)E-2	3D (0.5)0-1	7666.999
	3D (3.5)0-3	8445.747
	3D (1.5)0-2	7860.441
	3D (1.5)0-1	9334.798
	3D (2.5)0-2	8745.459
	3D (2.5)0-3	8973.548
	3D•(2.5)0-2	9785.523
	3D•(2.5)0-3	9961.967
	3D•(1.5)0-2	9945.307
7F (4.5)E-4	3D (3.5)0-4	8255.086
	3D (3.5)0-3	8443.451
	3D (2.5)0-3	8970.955
	3D•(2.5)0-3	9958.772
7F (4.5)E-5	3D (3.5)0-4	8255.086
7F (2.5)E-3	3D (3.5)0-4	8252.088
	3D (3.5)0-3	8440.314
	3D (1.5)0-2	7855.734
	3D (2.5)0-2	8739.633
	3D (2.5)0-3	8967.414
	3D•(2.5)0-2	9778.229
	3D•(2.5)0-3	9954.408
	3D•(1.5)0-2	9937.774
7F (2.5)E-2	3D (0.5)0-1	7662.432
	3D (3.5)0-3	8440.207
	3D (1.5)0-2	7855.641
	3D (1.5)0-1	9328.030
	3D (2.5)0-2	8739.519
	3D (2.5)0-3	8967.293
	3D•(2.5)0-2	9778.085
	3D•(2.5)0-3	9954.259
	3D•(1.5)0-2	9937.625
7F (3.5)E-3	3D (3.5)0-4	8249.548
	3D (3.5)0-3	8437.657
	3D (1.5)0-2	7853.433
	3D (2.5)0-2	8736.785
	3D (2.5)0-3	8964.415
	3D•(2.5)0-2	9774.664
	3D•(2.5)0-3	9950.713
	3D•(1.5)0-2	9934.091
7F (3.5)E-4	3D (3.5)0-4	8249.548
	3D (3.5)0-3	8437.657
	3D (2.5)0-3	8964.415
	3D•(2.5)0-3	9950.713
7F•(3.5)E-3	3D (3.5)0-4	7380.943
	3D (3.5)0-3	7531.164
	3D (1.5)0-2	7062.239
	3D (2.5)0-2	7768.567
	3D (2.5)0-3	7948.023
	3D•(2.5)0-2	8578.494
	3D•(2.5)0-3	8713.794
	3D•(1.5)0-2	8701.045

ARGON TRANSITIONS BY MULTIPLETS

Upper State	Lower State	λ
7F*(3.5)E-4	3D (3.5)0-4	7380.943
	3D (3.5)0-3	7531.164
	3D (2.5)0-3	7948.023
	3D*(2.5)0-3	8715.794
7F*(2.5)E-3	3D (3.5)0-4	7380.878
	3D (3.5)0-3	7531.096
	3D (1.5)0-2	7062.179
	3D (2.5)0-2	7768.496
	3D (2.5)0-3	7947.948
	3D*(2.5)0-2	8578.406
	3D*(2.5)0-3	8713.704
	3D*(1.5)0-2	8700.955
8F (1.5)E-1	4S (1.5)0-2	3100.589
	4S (1.5)0-1	3160.067
	4S*(0.5)0-0	3242.377
	4S*(0.5)0-1	3333.874
8F (1.5)E-2	4S (1.5)0-2	3100.589
	4S (1.5)0-1	3160.067
	4S*(0.5)0-1	3333.874
8F (2.5)E-3	4S (1.5)0-2	3100.144
8F (2.5)E-2	4S (1.5)0-2	3100.131
	4S (1.5)0-1	3159.592
	4S*(0.5)0-1	3333.345
8F (3.5)E-3	4S (1.5)0-2	3099.879
8F (1.5)E-1	5S (1.5)0-2	8388.466
	5S (1.5)0-1	8513.267
	5S*(0.5)0-0	9498.819
	5S*(0.5)0-1	9602.281
8F (1.5)E-2	5S (1.5)0-2	8388.466
	5S (1.5)0-1	8513.267
	5S*(0.5)0-1	9602.281
8F (2.5)E-3	5S (1.5)0-2	8385.208
8F (2.5)E-2	5S (1.5)0-2	8385.117
	5S (1.5)0-1	8509.817
	5S*(0.5)0-1	9597.893
8F (3.5)E-3	5S (1.5)0-2	8383.275
8F (1.5)E-1	3D (0.5)0-0	7287.401
	3D (0.5)0-1	7368.083
	3D (1.5)0-2	7546.560
	3D (1.5)0-1	8895.419
	3D (2.5)0-2	8358.658
	3D*(2.5)0-2	9303.784
	3D*(1.5)0-2	9448.108
	3D*(1.5)0-1	9977.796

Upper State	Lower State	λ
8F (1.5)E-2	3D (0.5)0-1	7368.083
	3D (3.5)0-3	8084.456
	3D (1.5)0-2	7546.560
	3D (1.5)0-1	8895.419
	3D (2.5)0-2	8358.658
	3D (2.5)0-3	8566.777
	3D*(2.5)0-2	9303.784
	3D*(2.5)0-3	9463.142
	3D*(1.5)0-2	9448.108
	3D*(1.5)0-1	9977.796
8F (4.5)E-4	3D (3.5)0-4	7910.202
	3D (3.5)0-3	8082.992
	3D (2.5)0-3	8565.133
	3D*(2.5)0-3	9461.136
8F (4.5)E-5	3D (3.5)0-4	7910.202
8F (2.5)E-3	3D (3.5)0-4	7908.707
	3D (3.5)0-3	8081.430
	3D (1.5)0-2	7543.923
	3D (2.5)0-2	8355.424
	3D (2.5)0-3	8563.380
	3D*(2.5)0-2	9299.777
	3D*(2.5)0-3	9458.997
	3D*(1.5)0-2	9443.975
8F (2.5)E-2	3D (0.5)0-1	7365.499
	3D (3.5)0-3	8081.346
	3D (1.5)0-2	7543.849
	3D (1.5)0-1	8891.653
	3D (2.5)0-2	8355.333
	3D (2.5)0-3	8563.284
	3D*(2.5)0-2	9299.664
	3D*(2.5)0-3	9458.880
	3D*(1.5)0-2	9443.860
	3D*(1.5)0-1	9973.058
8F (3.5)E-3	3D (3.5)0-4	7906.987
	3D (3.5)0-3	8079.634
	3D (1.5)0-2	7542.358
	3D (2.5)0-2	8353.504
	3D (2.5)0-3	8561.363
	3D*(2.5)0-2	9297.398
	3D*(2.5)0-3	9456.536
	3D*(1.5)0-2	9441.523
8F (3.5)E-4	3D (3.5)0-4	7906.987
	3D (3.5)0-3	8079.634
	3D (2.5)0-3	8561.363
	3D*(2.5)0-3	9456.536
9F (1.5)E-1	4S (1.5)0-2	3066.117
	4S (1.5)0-1	3124.267
	4S*(0.5)0-0	3204.699
	4S*(0.5)0-1	3294.053
9F (1.5)E-2	4S (1.5)0-2	3066.117
	4S (1.5)0-1	3124.267
	4S*(0.5)0-1	3294.053
9F (2.5)E-3	4S (1.5)0-2	3065.750
9F (3.5)E-3	4S (1.5)0-2	3065.617

ARGON TRANSITIONS BY MULTIPLETS

Upper State	Lower State	λ
9F (1.5)E-1	5S (1.5)0-2	8140.855
	5S (1.5)0-1	8258.345
	5S*(0.5)0-0	9182.555
	5S*(0.5)0-1	9279.207
9F (1.5)E-2	5S (1.5)0-2	8140.855
	5S (1.5)0-1	8258.345
	5S*(0.5)0-1	9279.207
9F (2.5)E-3	5S (1.5)0-2	8138.271
9F (3.5)E-3	5S (1.5)0-2	8137.337
9F (1.5)E-1	3D (0.5)0-1	7099.799
	3D (0.5)0-1	7176.359
	3D (1.5)0-2	7345.562
	3D (1.5)0-1	8617.471
	3D (2.5)0-2	8112.778
	3D*(2.5)0-2	9000.166
	3D*(1.5)0-2	9135.156
	3D*(1.5)0-1	9629.417
9F (1.5)E-2	3D (0.5)0-1	7176.359
	3D (3.5)0-3	7854.221
	3D (1.5)0-2	7345.562
	3D (1.5)0-1	8617.471
	3D (2.5)0-2	8112.778
	3D (2.5)0-3	8308.690
	3D*(2.5)0-2	9000.166
	3D*(2.5)0-3	9149.210
	3D*(1.5)0-2	9135.156
	3D*(1.5)0-1	9629.417
9F (4.5)E-4	3D (3.5)0-4	7690.094
	3D (3.5)0-3	7853.302
	3D (2.5)0-3	8307.661
	3D*(2.5)0-3	9147.963
9F (4.5)E-5	3D (3.5)0-4	7690.094
9F (2.5)E-3	3D (3.5)0-4	7688.669
	3D (3.5)0-3	7851.816
	3D (1.5)0-2	7343.458
	3D (2.5)0-2	8110.212
	3D (2.5)0-3	8305.998
	3D*(2.5)0-2	8997.008
	3D*(2.5)0-3	9145.946
	3D*(1.5)0-2	9131.902
9F (3.5)E-3	3D (3.5)0-4	7687.835
	3D (3.5)0-3	7850.946
	3D (1.5)0-2	7342.697
	3D (2.5)0-2	8109.284
	3D (2.5)0-3	8305.025
	3D*(2.5)0-2	8995.866
	3D*(2.5)0-3	9144.766
	3D*(1.5)0-2	9130.726
9F (3.5)E-4	3D (3.5)0-4	7687.835
	3D (3.5)0-3	7850.946
	3D (2.5)0-3	8305.025
	3D*(2.5)0-3	9144.766

ARGON TRANSITIONS BY WAVELENGTHS

λ	Upper State	Lower State
10001.663	7F (1.5)E-1	5S*(0.5)0-0
9994.763	7P*(1.5)E-1	3D*(2.5)0-2
9987.265	7P*(0.5)E-1	3D*(2.5)0-2
9979.818	7P*(1.5)E-2	3D*(2.5)0-2
9977.796	8F (1.5)E-2	3D*(1.5)0-1
9977.796	8F (1.5)E-1	3D*(1.5)0-1
9973.058	8F (2.5)E-2	3D*(1.5)0-1
9961.967	7F (1.5)E-2	3D*(2.5)0-3
9958.772	7F (4.5)E-4	3D*(2.5)0-3
9954.408	7F (2.5)E-3	3D*(2.5)0-3
9954.259	7F (2.5)E-2	3D*(2.5)0-3
9951.875	3D (1.5)0-1	4P (0.5)E-1
9950.713	7F (3.5)E-4	3D*(2.5)0-3
9950.713	7F (3.5)E-3	3D*(2.5)0-3
9948.980	9P (0.5)E-1	5S*(0.5)0-1
9945.456	7F (1.5)E-1	3D*(1.5)0-2
9945.307	7F (1.5)E-2	3D*(1.5)0-2
9937.774	7F (2.5)E-3	3D*(1.5)0-2
9937.625	7F (2.5)E-2	3D*(1.5)0-2
9934.091	7F (3.5)E-3	3D*(1.5)0-2
9913.267	9P (2.5)E-2	5S*(0.5)0-1
9900.701	9P (1.5)E-1	5S*(0.5)0-1
9898.446	9P (1.5)E-2	5S*(0.5)0-1
9882.194	6F*(2.5)E-2	3D*(1.5)0-1
9860.594	10P (0.5)E-1	3D*(1.5)0-1
9851.975	9P (0.5)E-0	5S*(0.5)0-1
9837.956	9P (0.5)E-1	5S*(0.5)0-0
9835.981	8P (0.5)E-1	3D (1.5)0-1
9835.372	10P (1.5)E-1	3D*(1.5)0-1
9833.147	10P (1.5)E-2	3D*(1.5)0-1
9815.247	7P (2.5)E-3	3D (3.5)0-3
9806.044	10P (0.5)E-0	3D*(1.5)0-1
9800.909	7P (2.5)E-2	3D (3.5)0-3
9792.615	8P (2.5)E-2	3D (1.5)0-1
9790.746	9P (1.5)E-1	5S*(0.5)0-0
9785.667	7F (1.5)E-1	3D*(2.5)0-2
9785.523	7F (1.5)E-2	3D*(2.5)0-2
9784.502	4P (2.5)E-2	4S*(0.5)0-1
9783.569	9P (0.5)E-1	3D*(1.5)0-2
9778.229	7F (2.5)E-3	3D*(2.5)0-2
9778.085	7F (2.5)E-2	3D*(2.5)0-2
9774.664	7F (3.5)E-3	3D*(2.5)0-2
9773.803	8P (1.5)E-1	3D (1.5)0-1
9770.479	9P (2.5)E-3	3D*(2.5)0-3
9769.381	8P (1.5)E-2	3D (1.5)0-1
9765.039	9P (2.5)E-2	3D*(2.5)0-3
9761.804	7P (1.5)E-2	3D (3.5)0-3
9754.453	9P (2.5)E-3	3D*(1.5)0-2
9750.657	9P (1.5)E-2	3D*(2.5)0-3
9749.031	9P (2.5)E-2	3D*(1.5)0-2
9736.878	9P (1.5)E-1	3D*(1.5)0-2
9734.696	9P (1.5)E-2	3D*(1.5)0-2
9713.944	8P (0.5)E-0	3D (1.5)0-1
9682.794	6F (1.5)E-2	3D (2.5)0-3
9677.863	6F (4.5)E-4	3D (2.5)0-3
9673.368	6F (2.5)E-3	3D (2.5)0-3
9673.171	6F (2.5)E-2	3D (2.5)0-3
9666.895	6F (3.5)E-4	3D (2.5)0-3
9666.895	6F (3.5)E-3	3D (2.5)0-3
9657.785	4P (0.5)E-1	4S (1.5)0-1
9629.417	9F (1.5)E-1	3D*(1.5)0-1
9629.417	9F (1.5)E-2	3D*(1.5)0-1
9628.898	9P (0.5)E-1	3D*(2.5)0-2
9614.655	6F (1.5)E-1	5S (1.5)0-1
9614.489	6F (1.5)E-2	5S (1.5)0-1
9605.002	6F (2.5)E-2	5S (1.5)0-1
9603.148	8P*(0.5)E-1	3D*(1.5)0-1
9602.281	8F (1.5)E-2	5S*(0.5)0-1
9602.281	8F (1.5)E-1	5S*(0.5)0-1
9600.695	9P (2.5)E-3	3D*(2.5)0-2
9597.893	8F (2.5)E-2	5S*(0.5)0-1
9597.156	8P*(1.5)E-1	3D*(1.5)0-1
9595.442	9P (2.5)E-2	3D*(2.5)0-2
9595.102	5F*(3.5)E-4	3D (2.5)0-3
9595.102	5F*(3.5)E-3	3D (2.5)0-3
9593.675	5F*(2.5)E-3	3D (2.5)0-3
9593.527	5F*(2.5)E-2	3D (2.5)0-3
9589.662	8P*(1.5)E-2	3D*(1.5)0-1
9583.669	9P (1.5)E-1	3D*(2.5)0-2
9581.555	9P (1.5)E-2	3D*(2.5)0-2
9561.623	7P (2.5)E-3	3D (3.5)0-4
9555.501	6P*(0.5)E-1	3D (1.5)0-2
9553.455	8P*(0.5)E-0	3D*(1.5)0-1
9547.771	6P*(1.5)E-1	3D (1.5)0-2
9541.739	11P (0.5)E-1	3D*(1.5)0-1
9533.550	11P (1.5)E-1	3D*(1.5)0-1
9533.095	11P (1.5)E-2	3D*(1.5)0-1
9526.472	5F*(2.5)E-2	5S (1.5)0-1
9525.020	7P*(1.5)E-1	3D (1.5)0-1
9524.695	6P*(1.5)E-2	3D (1.5)0-2
9518.209	7P*(0.5)E-1	3D (1.5)0-1
9513.708	6F*(2.5)E-2	5S*(0.5)0-1
9511.445	7P*(1.5)E-2	3D (1.5)0-1
9501.293	11P (0.5)E-0	3D*(1.5)0-1
9498.819	8F (1.5)E-1	5S*(0.5)0-0
9493.687	10P (0.5)E-1	5S*(0.5)0-1
9486.060	3D*(2.5)0-2	4P (0.5)E-1
9478.574	5F (1.5)E-1	3D (1.5)0-2
9478.394	5F (1.5)E-2	3D (1.5)0-2
9470.305	10P (1.5)E-1	5S*(0.5)0-1
9468.242	10P (1.5)E-2	5S*(0.5)0-1
9463.142	8F (1.5)E-2	3D*(2.5)0-3
9461.136	8F (4.5)E-4	3D*(2.5)0-3
9459.077	5F (2.5)E-3	3D (1.5)0-2
9458.997	8F (2.5)E-3	3D*(2.5)0-3
9458.880	8F (2.5)E-2	3D*(2.5)0-3
9458.863	5F (2.5)E-2	3D (1.5)0-2
9456.536	8F (3.5)E-3	3D*(2.5)0-3
9456.536	8F (3.5)E-4	3D*(2.5)0-3
9455.775	6F (1.5)E-1	5S (1.5)0-2
9455.615	6F (1.5)E-2	5S (1.5)0-2
9450.171	5F (3.5)E-3	3D (1.5)0-2
9448.108	8F (1.5)E-1	3D*(1.5)0-2
9448.108	8F (1.5)E-2	3D*(1.5)0-2
9446.625	6F (2.5)E-3	5S (1.5)0-2
9446.438	6F (2.5)E-2	5S (1.5)0-2
9443.975	8F (2.5)E-3	3D*(1.5)0-2
9443.860	8F (2.5)E-2	3D*(1.5)0-2
9443.110	10P (0.5)E-0	5S*(0.5)0-1
9441.523	8F (3.5)E-3	3D*(1.5)0-2

λ	Upper State	Lower State	λ	Upper State	Lower State
9440.453	6F (3.5)E-3	5S (1.5)0-2	9220.608	6F*(2.5)E-2	3D*(2.5)0-2
9429.474	7P*(0.5)E-3	3D (1.5)0-1	9219.868	8P (0.5)E-1	5S (1.5)0-2
9417.917	6F (1.5)E-1	3D (2.5)0-2	9218.649	8P*(0.5)E-3	5S*(0.5)0-1
9417.757	6F (1.5)E-2	3D (2.5)0-2	9201.801	10P (0.5)E-1	3D*(2.5)0-2
9408.840	6F (2.5)E-3	3D (2.5)0-2	9198.710	5F (1.5)E-1	3D (0.5)0-1
9408.654	6F (2.5)E-2	3D (2.5)0-2	9198.541	5F (1.5)E-2	3D (0.5)0-1
9402.717	6F (3.5)E-3	3D (2.5)0-2	9197.763	11P (0.5)E-1	5S*(0.5)0-1
9402.611	8P (2.5)E-3	3D (2.5)0-3	9194.635	5S*(0.5)0-1	4P (0.5)E-1
9395.815	8P (2.5)E-2	3D (2.5)0-3	9192.164	9P (0.5)E-1	3D (1.5)0-1
9392.540	10P (0.5)E-1	5S*(0.5)0-0	9190.153	11P (1.5)E-1	5S*(0.5)0-1
9377.668	6F*(3.5)E-4	3D*(2.5)0-3	9189.731	11P (1.5)E-2	5S*(0.5)0-1
9377.668	6F*(3.5)E-3	3D*(2.5)0-3	9189.620	10P (2.5)E-3	3D*(2.5)0-2
9377.264	6F*(2.5)E-3	3D*(2.5)0-3	9188.244	8P (2.5)E-3	5S (1.5)0-2
9377.106	6F*(2.5)E-2	3D*(2.5)0-3	9183.872	8P (0.5)E-1	3D (2.5)0-2
9374.424	8P (1.5)E-2	3D (2.5)0-3	9182.555	9F (1.5)E-1	5S*(0.5)0-0
9371.971	5F*(3.5)E-3	5S (1.5)0-2	9181.754	8P (2.5)E-2	5S (1.5)0-2
9370.856	8P (0.5)E-1	5S (1.5)0-1	9180.144	5F (2.5)E-2	3D (0.5)0-1
9370.610	5F*(2.5)E-3	5S (1.5)0-2	9179.832	10P (1.5)E-1	3D*(2.5)0-2
9370.469	5F*(2.5)E-2	5S (1.5)0-2	9177.894	10P (1.5)E-2	3D*(2.5)0-2
9369.653	10P (1.5)E-1	5S*(0.5)0-0	9169.190	13P (0.5)E-0	3D*(1.5)0-1
9362.904	6F*(3.5)E-3	3D*(1.5)0-2	9165.214	8P (1.5)E-1	5S (1.5)0-2
9362.501	6F*(2.5)E-3	3D*(1.5)0-2	9161.670	9P (2.5)E-2	3D (1.5)0-1
9362.343	6F*(2.5)E-2	3D*(1.5)0-2	9161.325	8P (1.5)E-2	5S (1.5)0-2
9354.219	4P (1.5)E-1	4S*(0.5)0-1	9160.175	11P (0.5)E-0	5S*(0.5)0-1
9345.059	10P (2.5)E-3	3D*(2.5)0-3	9158.665	8P*(0.5)E-1	5S*(0.5)0-0
9342.954	10P (0.5)E-1	3D*(1.5)0-2	9153.214	8P*(1.5)E-1	5S*(0.5)0-0
9340.583	3D*(1.5)0-2	4P (0.5)E-1	9152.494	8P (2.5)E-3	3D (2.5)0-2
9338.260	12P (0.5)E-1	3D*(1.5)0-1	9150.936	9P (1.5)E-1	3D (1.5)0-1
9334.929	7F (1.5)E-1	3D (1.5)0-1	9149.210	9F (1.5)E-2	3D*(2.5)0-3
9334.798	7F (1.5)E-2	3D (1.5)0-1	9149.009	9P (1.5)E-2	3D (1.5)0-1
9334.780	5F*(3.5)E-3	3D (2.5)0-2	9147.963	9F (4.5)E-4	3D*(2.5)0-3
9333.429	5F*(2.5)E-3	3D (2.5)0-2	9146.054	8P (2.5)E-2	3D (2.5)0-2
9333.290	5F*(2.5)E-2	3D (2.5)0-2	9145.946	9F (2.5)E-3	3D*(2.5)0-3
9332.933	10P (1.5)E-2	3D*(2.5)0-3	9144.766	9F (3.5)E-4	3D*(2.5)0-3
9331.486	8P (2.5)E-2	5S (1.5)0-1	9144.766	9F (3.5)E-3	3D*(2.5)0-3
9330.397	10P (2.5)E-3	3D*(1.5)0-2	9143.762	6P*(0.5)E-1	3D (0.5)0-0
9328.030	7F (2.5)E-2	3D (1.5)0-1	9136.685	6P*(1.5)E-1	3D (0.5)0-0
9320.307	10P (1.5)E-1	3D*(1.5)0-2	9136.668	7P*(1.5)E-2	3D (2.5)0-3
9318.309	10P (1.5)E-2	3D*(1.5)0-2	9135.156	9F (1.5)E-1	3D*(1.5)0-2
9314.403	8P (1.5)E-1	5S (1.5)0-1	9135.156	9F (1.5)E-2	3D*(1.5)0-2
9312.945	12P (0.5)E-0	3D*(1.5)0-1	9131.902	9F (2.5)E-3	3D*(1.5)0-2
9310.386	8P (1.5)E-2	5S (1.5)0-1	9130.726	9F (3.5)E-3	3D*(1.5)0-2
9303.784	8F (1.5)E-2	3D*(2.5)0-2	9129.642	8P (1.5)E-1	3D (2.5)0-2
9303.784	8F (1.5)E-1	3D*(2.5)0-2	9125.784	8P (1.5)E-2	3D (2.5)0-2
9299.777	8F (2.5)E-3	3D*(2.5)0-2	9122.966	4P (0.5)E-1	4S (1.5)0-2
9299.664	8F (2.5)E-2	3D*(2.5)0-2	9113.313	8P*(1.5)E-2	3D*(2.5)0-3
9297.398	8F (3.5)E-3	3D*(2.5)0-2	9111.511	8P*(0.5)E-1	3D*(1.5)0-2
9291.543	5S*(0.5)0-0	4P (0.5)E-1	9111.177	6P*(0.5)E-0	3D (0.5)0-1
9279.207	9F (1.5)E-2	5S*(0.5)0-1	9109.294	9P (0.5)E-0	3D (1.5)0-1
9279.207	9F (1.5)E-1	5S*(0.5)0-1	9106.116	8P*(1.5)E-1	3D*(1.5)0-2
9271.144	6P*(0.5)E-1	3D (0.5)0-1	9102.792	11P (0.5)E-1	5S*(0.5)0-0
9263.867	6P*(1.5)E-1	3D (0.5)0-1	9099.369	8P*(1.5)E-2	3D*(1.5)0-2
9260.023	8P (0.5)E-0	5S (1.5)0-1	9095.338	11P (1.5)E-1	5S*(0.5)0-0
9254.812	8P*(0.5)E-1	5S*(0.5)0-1	9088.186	7P*(1.5)E-1	5S (1.5)0-1
9249.246	8P*(1.5)E-1	5S*(0.5)0-1	9081.986	7P*(0.5)E-1	5S (1.5)0-1
9242.285	8P*(1.5)E-2	5S*(0.5)0-1	9075.827	7P*(1.5)E-2	5S (1.5)0-1
9242.142	6P*(1.5)E-2	3D (0.5)0-1	9075.459	4D (0.5)0-0	4P*(0.5)E-1
9224.499	4P (1.5)E-2	4S*(0.5)0-1	9073.298	5F (1.5)E-1	3D (0.5)0-0
9221.152	6F*(3.5)E-3	3D*(2.5)0-2	9071.108	6F (1.5)E-2	3D (3.5)0-3
9220.761	6F*(2.5)E-3	3D*(2.5)0-2	9066.781	6F (4.5)E-4	3D (3.5)0-3

ARGON TRANSITIONS BY WAVELENGTHS

λ	Upper State	Lower State	λ	Upper State	Lower State
9062.835	6F (2.5)E-3	3D (3.5)0-3	8840.762	6F (3.5)E-3	3D (3.5)0-4
9062.662	6F (2.5)E-2	3D (3.5)0-3	8824.757	8P (2.5)E-3	3D (3.5)0-3
9062.212	11P (1.5)E-2	3D*(2.5)0-3	8819.354	6F*(2.5)E-2	3D (1.5)0-1
9061.144	7P (0.5)E-1	3D (1.5)0-2	8818.770	8P (2.5)E-2	3D (3.5)0-3
9057.497	6S (1.5)0-1	4P*(0.5)E-0	8817.877	9P (2.5)E-3	3D (2.5)0-3
9057.153	6F (3.5)E-4	3D (3.5)0-3	8813.446	9P (2.5)E-2	3D (2.5)0-3
9057.153	6F (3.5)E-3	3D (3.5)0-3	8805.054	7P (0.5)E-1	3D (0.5)0-1
9056.210	11P (0.5)E-1	3D*(1.5)0-2	8802.147	10P (0.5)E-1	3D (1.5)0-1
9048.833	11P (1.5)E-1	3D*(1.5)0-2	8801.728	9P (1.5)E-2	3D (2.5)0-3
9048.423	11P (1.5)E-2	3D*(1.5)0-2	8799.923	8P (1.5)E-2	3D (3.5)0-3
9033.519	7P (2.5)E-3	3D (1.5)0-2	8799.087	4D (0.5)0-1	4P*(1.5)E-2
9021.372	7P (2.5)E-2	3D (1.5)0-2	8784.675	9P (0.5)E-1	5S (1.5)0-1
9008.545	12P (0.5)E-1	5S*(0.5)0-1	8784.617	4D (0.5)0-0	4P*(1.5)E-1
9001.163	7P*(0.5)E-0	5S (1.5)0-1	8782.043	10P (1.5)E-1	3D (1.5)0-1
9000.166	9F (1.5)E-2	3D*(2.5)0-2	8780.677	5F*(3.5)E-4	3D (3.5)0-4
9000.166	9F (1.5)E-1	3D*(2.5)0-2	8780.677	5F*(3.5)E-3	3D (3.5)0-4
8997.008	9F (2.5)E-3	3D*(2.5)0-2	8780.269	10P (1.5)E-2	3D (1.5)0-1
8995.866	9F (3.5)E-3	3D*(2.5)0-2	8779.482	5F*(2.5)E-3	3D (3.5)0-4
8994.101	5F*(3.5)E-4	3D (3.5)0-3	8778.211	7F (1.5)E-1	5S (1.5)0-2
8994.101	5F*(3.5)E-3	3D (3.5)0-3	8778.095	7F (1.5)E-2	5S (1.5)0-2
8993.568	7P (1.5)E-1	3D (1.5)0-2	8772.226	7F (2.5)E-3	5S (1.5)0-2
8992.848	5F*(2.5)E-3	3D (3.5)0-3	8772.110	7F (2.5)E-2	5S (1.5)0-2
8992.718	5F*(2.5)E-2	3D (3.5)0-3	8769.356	7F (3.5)E-3	5S (1.5)0-2
8988.229	7P (1.5)E-2	3D (1.5)0-2	8767.494	7P (2.5)E-2	3D (0.5)0-1
8986.186	4D (1.5)0-1	4P*(0.5)E-0	8761.683	4D (1.5)0-2	4P*(0.5)E-1
8984.984	12P (0.5)E-0	5S*(0.5)0-1	8758.653	10P (0.5)E-0	3D (1.5)0-1
8977.214	8P*(0.5)E-1	3D*(2.5)0-2	8756.820	9P (2.5)E-2	5S (1.5)0-1
8973.548	7F (1.5)E-2	3D (2.5)0-3	8747.013	9P (1.5)E-1	5S (1.5)0-1
8971.978	8P*(1.5)E-1	3D*(2.5)0-2	8745.574	7F (1.5)E-1	3D (2.5)0-2
8970.955	7F (4.5)E-4	3D (2.5)0-3	8745.459	7F (1.5)E-2	3D (2.5)0-2
8967.414	7F (2.5)E-3	3D (2.5)0-3	8745.314	12P (0.5)E-1	3D*(2.5)0-2
8967.293	7F (2.5)E-2	3D (2.5)0-3	8745.252	9P (1.5)E-2	5S (1.5)0-1
8965.427	8P*(1.5)E-2	3D*(2.5)0-2	8741.230	7P (1.5)E-1	3D (0.5)0-1
8964.415	7F (3.5)E-3	3D (2.5)0-3	8739.633	7F (2.5)E-3	3D (2.5)0-2
8964.415	7F (3.5)E-4	3D (2.5)0-3	8739.519	7F (2.5)E-2	3D (2.5)0-2
8962.145	4D (0.5)0-1	4P*(0.5)E-1	8736.785	7F (3.5)E-3	3D (2.5)0-2
8960.285	9P*(0.5)E-0	3D*(1.5)0-1	8736.187	7P (1.5)E-2	3D (0.5)0-1
8946.101	7P*(1.5)E-1	5S (1.5)0-2	8713.794	7F*(3.5)E-4	3D*(2.5)0-3
8940.093	7P*(0.5)E-1	5S (1.5)0-2	8713.794	7F*(3.5)E-3	3D*(2.5)0-3
8934.125	7P*(1.5)E-2	5S (1.5)0-2	8713.704	7F*(2.5)E-3	3D*(2.5)0-3
8923.527	11P (0.5)E-1	3D*(2.5)0-2	8708.959	9P (0.5)E-0	5S (1.5)0-1
8917.422	12P (0.5)E-1	5S*(0.5)0-0	8701.045	7F*(3.5)E-3	3D*(1.5)0-2
8916.364	11P (1.5)E-1	3D*(2.5)0-2	8700.955	7F*(2.5)E-3	3D*(1.5)0-2
8915.966	11P (1.5)E-2	3D*(2.5)0-2	8690.079	7P (0.5)E-1	3D (0.5)0-0
8914.972	7F (1.5)E-1	5S (1.5)0-1	8678.407	4D (0.5)0-1	4P*(1.5)E-1
8914.853	7F (1.5)E-2	5S (1.5)0-1	8667.944	4P (1.5)E-1	4S*(0.5)0-0
8912.206	7P*(1.5)E-1	3D (2.5)0-2	8656.286	9P*(0.5)E-0	5S*(0.5)0-1
8908.680	7F (2.5)E-2	5S (1.5)0-1	8651.852	9P (0.5)E-1	5S (1.5)0-2
8906.244	7P*(0.5)E-1	3D (2.5)0-2	8642.883	7P (0.5)E-0	3D (0.5)0-1
8900.321	7P*(1.5)E-2	3D (2.5)0-2	8629.075	9P (2.5)E-3	5S (1.5)0-2
8895.419	8F (1.5)E-1	3D (1.5)0-1	8627.905	7P (1.5)E-1	3D (0.5)0-0
8895.419	8F (1.5)E-2	3D (1.5)0-1	8624.831	9P (2.5)E-2	5S (1.5)0-2
8891.653	8F (2.5)E-2	3D (1.5)0-1	8620.460	4D (0.5)0-1	4P (0.5)E-0
8874.811	3D*(1.5)0-1	4P (0.5)E-1	8620.146	9P (0.5)E-1	3D (2.5)0-2
8872.713	12P (0.5)E-1	3D*(1.5)0-2	8619.202	8P (2.5)E-3	3D (3.5)0-4
8851.103	13P (0.5)E-0	5S*(0.5)0-1	8617.471	9F (1.5)E-1	3D (1.5)0-1
8849.935	6F (4.5)E-5	3D (3.5)0-4	8617.471	9F (1.5)E-2	3D (1.5)0-1
8849.935	6F (4.5)E-4	3D (3.5)0-4	8615.318	9P (1.5)E-1	5S (1.5)0-2
8846.176	6F (2.5)E-3	3D (3.5)0-4	8613.610	9P (1.5)E-2	5S (1.5)0-2
8840.762	6F (3.5)E-4	3D (3.5)0-4	8605.774	4D (1.5)0-2	4P*(1.5)E-2

λ	Upper State	Lower State
8597.536	9P (2.5)E-3	3D (2.5)0-2
8596.427	8P*(0.5)E-1	3D (1.5)0-1
8593.323	9P (2.5)E-2	3D (2.5)0-2
8591.625	8P*(1.5)E-1	3D (1.5)0-1
8590.089	7P*(1.5)E-2	3D (3.5)0-3
8585.618	8P*(1.5)E-2	3D (1.5)0-1
8583.879	9P (1.5)E-1	3D (2.5)0-2
8582.184	9P (1.5)E-2	3D (2.5)0-2
8578.494	7F*(3.5)E-3	3D*(2.5)0-2
8578.406	7F*(2.5)E-3	3D*(2.5)0-2
8578.061	4P (0.5)E-0	4S*(0.5)0-1
8566.777	8F (1.5)E-2	3D (2.5)0-3
8565.133	8F (4.5)E-4	3D (2.5)0-3
8563.380	8F (2.5)E-3	3D (2.5)0-3
8563.284	8F (2.5)E-2	3D (2.5)0-3
8561.363	8F (3.5)E-3	3D (2.5)0-3
8561.363	8F (3.5)E-4	3D (2.5)0-3
8556.585	8P*(0.5)E-0	3D (1.5)0-1
8547.185	11P (0.5)E-1	3D (1.5)0-1
8540.613	11P (1.5)E-1	3D (1.5)0-1
8540.248	11P (1.5)E-2	3D (1.5)0-1
8521.442	4P*(1.5)E-1	4S*(0.5)0-1
8514.717	11P (0.5)E-0	3D (1.5)0-1
8513.267	8F (1.5)E-2	5S (1.5)0-1
8513.267	8F (1.5)E-1	5S (1.5)0-1
8509.817	8F (2.5)E-2	5S (1.5)0-1
8496.669	6F*(3.5)E-4	3D (2.5)0-3
8496.669	6F*(3.5)E-3	3D (2.5)0-3
8496.337	6F*(2.5)E-3	3D (2.5)0-3
8496.207	6F*(2.5)E-2	3D (2.5)0-3
8490.304	4D (1.5)0-2	4P*(1.5)E-1
8469.890	10P (2.5)E-3	3D (2.5)0-3
8459.928	10P (1.5)E-2	3D (2.5)0-3
8445.747	7F (1.5)E-2	3D (3.5)0-3
8443.572	6F*(2.5)E-2	5S (1.5)0-1
8443.451	7F (4.5)E-4	3D (3.5)0-3
8440.314	7F (2.5)E-3	3D (3.5)0-3
8440.207	7F (2.5)E-2	3D (3.5)0-3
8437.657	7F (3.5)E-3	3D (3.5)0-3
8437.657	7F (3.5)E-4	3D (3.5)0-3
8427.798	10P (0.5)E-1	5S (1.5)0-1
8424.647	4P (2.5)E-2	4S (1.5)0-1
8409.366	10P (1.5)E-1	5S (1.5)0-1
8408.209	4P*(1.5)E-2	4S*(0.5)0-1
8407.740	10P (1.5)E-2	5S (1.5)0-1
8399.489	6F (1.5)E-1	3D (1.5)0-2
8399.362	6F (1.5)E-2	3D (1.5)0-2
8392.269	6F (2.5)E-3	3D (1.5)0-2
8392.121	6F (2.5)E-2	3D (1.5)0-2
8388.466	8F (1.5)E-2	5S (1.5)0-2
8388.466	8F (1.5)E-1	5S (1.5)0-2
8387.917	10P (0.5)E-0	5S (1.5)0-1
8387.396	6F (3.5)E-3	3D (1.5)0-2
8385.208	8F (2.5)E-3	5S (1.5)0-2
8385.117	8F (2.5)E-2	5S (1.5)0-2
8384.721	4D (3.5)0-3	4P*(1.5)E-2
8383.550	12P (0.5)E-1	3D (1.5)0-1
8383.275	8F (3.5)E-3	5S (1.5)0-2
8367.013	4D (2.5)0-2	4P*(0.5)E-1
8363.140	12P (0.5)E-0	3D (1.5)0-1
8358.658	8F (1.5)E-1	3D (2.5)0-2
8358.658	8F (1.5)E-2	3D (2.5)0-2
8355.424	8F (2.5)E-3	3D (2.5)0-2
8355.333	8F (2.5)E-2	3D (2.5)0-2
8353.504	8F (3.5)E-3	3D (2.5)0-2
8333.297	5F*(3.5)E-3	3D (1.5)0-2
8332.220	5F*(2.5)E-3	3D (1.5)0-2
8332.109	5F*(2.5)E-2	3D (1.5)0-2
8321.235	6F*(3.5)E-3	5S (1.5)0-2
8320.916	6F*(2.5)E-3	5S (1.5)0-2
8320.792	6F*(2.5)E-2	5S (1.5)0-2
8308.690	9F (1.5)E-2	3D (2.5)0-3
8307.709	9P (2.5)E-3	3D (3.5)0-3
8307.661	9F (4.5)E-4	3D (2.5)0-3
8305.998	9F (2.5)E-3	3D (2.5)0-3
8305.473	10P (0.5)E-1	5S (1.5)0-2
8305.025	9F (3.5)E-3	3D (2.5)0-3
8305.025	9F (3.5)E-4	3D (2.5)0-3
8303.776	9P (2.5)E-2	3D (3.5)0-3
8295.548	10P (2.5)E-3	5S (1.5)0-2
8293.374	9P (1.5)E-2	3D (3.5)0-3
8291.902	6F*(3.5)E-3	3D (2.5)0-2
8291.586	6F*(2.5)E-3	3D (2.5)0-2
8291.462	6F*(2.5)E-2	3D (2.5)0-2
8287.572	10P (1.5)E-1	5S (1.5)0-2
8285.992	10P (1.5)E-2	5S (1.5)0-2
8279.075	8P*(1.5)E-2	3D (2.5)0-3
8276.251	10P (0.5)E-1	3D (2.5)0-2
8266.396	10P (2.5)E-3	3D (2.5)0-2
8264.522	4P*(0.5)E-1	4S*(0.5)0-1
8258.475	10P (1.5)E-1	3D (2.5)0-2
8258.345	9F (1.5)E-2	5S (1.5)0-1
8258.345	9F (1.5)E-1	5S (1.5)0-1
8256.907	10P (1.5)E-2	3D (2.5)0-2
8255.086	7F (4.5)E-5	3D (3.5)0-4
8255.086	7F (4.5)E-4	3D (3.5)0-4
8252.088	7F (2.5)E-3	3D (3.5)0-4
8249.548	7F (3.5)E-3	3D (3.5)0-4
8249.548	7F (3.5)E-4	3D (3.5)0-4
8247.030	13P (0.5)E-0	3D (1.5)0-1
8239.017	8P*(0.5)E-1	5S (1.5)0-1
8236.879	11P (1.5)E-2	3D (2.5)0-3
8234.600	8P*(1.5)E-1	5S (1.5)0-1
8229.088	8P*(1.5)E-2	5S (1.5)0-1
8224.719	4D (2.5)0-2	4P*(1.5)E-2
8212.823	8P (0.5)E-1	3D (1.5)0-2
8203.448	6S (1.5)0-2	4P*(0.5)E-1
8202.412	8P*(0.5)E-0	5S (1.5)0-1
8193.773	11P (0.5)E-1	5S (1.5)0-1
8187.734	11P (1.5)E-1	5S (1.5)0-1
8187.721	8P (2.5)E-3	3D (1.5)0-2
8187.398	11P (1.5)E-2	5S (1.5)0-1
8182.567	8P (2.5)E-2	3D (1.5)0-2
8178.978	6F (1.5)E-1	3D (0.5)0-1
8178.858	6F (1.5)E-2	3D (0.5)0-1
8171.992	6F (2.5)E-2	3D (0.5)0-1
8169.428	8P (1.5)E-1	3D (1.5)0-2
8166.339	8P (1.5)E-2	3D (1.5)0-2
8163.930	11P (0.5)E-0	5S (1.5)0-1
8151.870	6S (1.5)0-1	4P*(0.5)E-1

λ	Upper State	Lower State
8143.499	4D (2.5)E-3	4P*(1.5)E-2
8140.855	9F (1.5)E-2	5S (1.5)0-2
8140.855	9F (1.5)E-1	5S (1.5)0-2
8138.271	9F (2.5)E-3	5S (1.5)0-2
8137.337	9F (3.5)E-3	5S (1.5)0-2
8134.920	4D*(1.5)0-1	4P*(0.5)E-0
8125.287	9P (2.5)E-3	3D (3.5)0-4
8122.072	8P*(0.5)E-1	5S (1.5)0-2
8119.186	4D (2.5)0-2	4P*(1.5)E-1
8117.785	8P*(1.5)E-1	5S (1.5)0-2
8115.311	4P (2.5)E-3	4S (1.5)0-2
8115.076	5F*(2.5)E-2	3D (0.5)0-1
8112.778	9F (1.5)E-1	3D (2.5)0-2
8112.778	9F (1.5)E-2	3D (2.5)0-2
8112.423	8P*(1.5)E-2	5S (1.5)0-2
8110.212	9F (2.5)E-3	3D (2.5)0-2
8109.284	9F (3.5)E-3	3D (2.5)0-2
8103.693	4P (1.5)E-1	4S (1.5)0-1
8094.124	8P*(0.5)E-1	3D (2.5)0-2
8094.061	4D (1.5)0-1	4P*(0.5)E-1
8089.867	8P*(1.5)E-1	3D (2.5)0-2
8084.541	8P*(1.5)E-2	3D (2.5)0-2
8084.456	8F (1.5)E-2	3D (3.5)0-3
8082.992	8F (4.5)E-4	3D (3.5)0-3
8081.430	8F (2.5)E-3	3D (3.5)0-3
8081.346	8F (2.5)E-2	3D (3.5)0-3
8079.680	6F (1.5)E-1	3D (0.5)0-0
8079.634	8F (3.5)E-3	3D (3.5)0-3
8079.634	8F (3.5)E-4	3D (3.5)0-3
8078.100	11P (0.5)E-1	5S (1.5)0-2
8077.643	9P*(0.5)E-1	3D (1.5)0-1
8072.230	11P (1.5)E-1	5S (1.5)0-2
8071.904	11P (1.5)E-2	5S (1.5)0-2
8066.618	6S (1.5)0-2	4P*(1.5)E-2
8053.307	4D (0.5)0-1	4P (1.5)E-2
8050.454	11P (0.5)E-1	3D (2.5)0-2
8046.168	4D (0.5)0-0	4P (1.5)E-1
8044.624	11P (1.5)E-1	3D (2.5)0-2
8044.300	11P (1.5)E-2	3D (2.5)0-2
8043.271	12P (0.5)E-1	5S (1.5)0-1
8037.226	6S*(0.5)0-1	4P*(0.5)E-0
8024.483	12P (0.5)E-1	5S (1.5)0-1
8021.991	6F*(3.5)E-3	3D (3.5)0-3
8021.991	6F*(3.5)E-4	3D (3.5)0-3
8021.695	6F*(2.5)E-3	3D (3.5)0-3
8021.580	6F*(2.5)E-2	3D (3.5)0-3
8016.741	6S (1.5)0-1	4P*(1.5)E-2
8014.785	4P (2.5)E-2	4S (1.5)0-2
8006.157	4P (1.5)E-2	4S (1.5)0-1
8001.882	8P (0.5)E-1	3D (0.5)0-1
7998.117	10P (2.5)E-3	3D (3.5)0-3
7994.887	7P*(1.5)E-1	3D (1.5)0-2
7990.089	7P*(0.5)E-1	3D (1.5)0-2
7989.233	10P (1.5)E-2	3D (3.5)0-3
7985.322	7P*(1.5)E-2	3D (1.5)0-2
7973.157	8P (2.5)E-2	3D (0.5)0-1
7965.078	6S (1.5)0-2	4P*(1.5)E-1
7960.825	4D (1.5)0-1	4P*(1.5)E-2
7960.681	8P (1.5)E-1	3D (0.5)0-1
7957.747	8P (1.5)E-2	3D (0.5)0-1
7956.973	4D (0.5)0-1	4P (1.5)E-1
7948.176	4P*(1.5)E-1	4S*(0.5)0-0
7948.023	7F*(3.5)E-4	3D (2.5)0-3
7948.023	7F*(3.5)E-3	3D (2.5)0-3
7947.948	7F*(2.5)E-3	3D (2.5)0-3
7931.779	12P (0.5)E-1	5S (1.5)0-2
7920.926	8P (0.5)E-1	3D (0.5)0-1
7917.526	13P (0.5)E-0	5S (1.5)0-1
7916.445	6S (1.5)0-1	4P*(1.5)E-1
7910.202	8F (4.5)E-5	3D (3.5)0-4
7910.202	8F (4.5)E-4	3D (3.5)0-4
7908.707	8F (2.5)E-3	3D (3.5)0-4
7908.987	8F (3.5)E-3	3D (3.5)0-4
7906.987	8F (3.5)E-4	3D (3.5)0-4
7906.812	8P (0.5)E-1	3D (0.5)0-0
7905.124	12P (0.5)E-1	3D (2.5)0-2
7891.073	4D (1.5)0-2	4P (1.5)E-2
7868.198	6S (1.5)0-1	4P (0.5)E-0
7866.582	8P (1.5)E-1	3D (0.5)0-0
7861.915	4D (1.5)0-1	4P*(1.5)E-1
7860.534	7F (1.5)E-1	3D (1.5)0-2
7860.441	7F (1.5)E-2	3D (1.5)0-2
7855.734	7F (2.5)E-3	3D (1.5)0-2
7855.641	7F (2.5)E-2	3D (1.5)0-2
7854.221	9F (1.5)E-2	3D (3.5)0-3
7853.433	7F (3.5)E-3	3D (1.5)0-2
7853.302	9F (4.5)E-4	3D (3.5)0-3
7851.816	9F (2.5)E-3	3D (3.5)0-3
7851.772	6F*(3.5)E-3	3D (3.5)0-4
7851.772	6F*(3.5)E-4	3D (3.5)0-4
7851.489	6F*(2.5)E-3	3D (3.5)0-4
7850.946	9F (3.5)E-4	3D (3.5)0-3
7850.946	9F (3.5)E-3	3D (3.5)0-3
7828.899	10P (2.5)E-3	3D (3.5)0-4
7827.752	8P*(1.5)E-2	3D (3.5)0-3
7814.329	4D (1.5)0-1	4P (0.5)E-0
7798.559	4D (1.5)0-2	4P (1.5)E-1
7794.856	7P*(1.5)E-1	3D (0.5)0-1
7794.309	7F*(3.5)E-3	5S (1.5)0-2
7794.236	7F*(2.5)E-3	5S (1.5)0-2
7790.294	7P*(0.5)E-1	3D (0.5)0-1
7790.021	11P (1.5)E-2	3D (3.5)0-3
7785.762	7P*(1.5)E-2	3D (0.5)0-1
7768.567	7F*(3.5)E-3	3D (2.5)0-2
7768.496	7F*(2.5)E-3	3D (2.5)0-2
7761.276	9P*(0.5)E-0	5S (1.5)0-1
7759.060	9P (0.5)E-1	3D (1.5)0-2
7740.736	9P (2.5)E-3	3D (1.5)0-2
7737.321	9P (2.5)E-2	3D (1.5)0-2
7730.752	7P*(0.5)E-0	3D (0.5)0-1
7729.664	9P (1.5)E-1	3D (1.5)0-2
7728.289	9P (1.5)E-2	3D (1.5)0-2
7724.207	4P*(0.5)E-1	4S*(0.5)0-0
7723.760	4P (1.5)E-1	4S (1.5)0-2
7704.814	4D (3.5)0-3	4P (1.5)E-2
7704.614	7P*(1.5)E-1	3D (0.5)0-0
7700.158	7P*(0.5)E-1	3D (0.5)0-0
7690.094	9F (4.5)E-4	3D (3.5)0-4
7690.094	9F (4.5)E-5	3D (3.5)0-4
7688.669	9F (2.5)E-3	3D (3.5)0-4

λ	Upper State	Lower State	λ	Upper State	Lower State
7687.835	9F (3.5)E-4	3D (3.5)0-4	7345.562	9F (1.5)E-2	3D (1.5)0-2
7687.835	9F (3.5)E-3	3D (3.5)0-4	7345.562	9F (1.5)E-1	3D (1.5)0-2
7670.057	4D (0.5)0-1	4P (2.5)E-2	7345.404	4D (1.5)0-1	4P (1.5)E-2
7667.087	7F (1.5)E-1	3D (0.5)0-1	7343.458	9F (2.5)E-3	3D (1.5)0-2
7666.999	7F (1.5)E-2	3D (0.5)0-1	7342.697	9F (3.5)E-3	3D (1.5)0-2
7662.432	7F (2.5)E-2	3D (0.5)0-1	7330.266	8P*(0.5)E-1	3D (1.5)0-2
7635.106	4P (1.5)E-2	4S (1.5)0-2	7326.774	8P*(1.5)E-1	3D (1.5)0-2
7628.881	4D*(1.5)0-2	4P*(0.5)E-1	7322.405	8P*(1.5)E-2	3D (1.5)0-2
7618.340	4D*(2.5)0-2	4P*(0.5)E-1	7316.011	6S*(0.5)0-1	4P*(0.5)E-1
7579.763	7F (1.5)E-1	3D (0.5)0-0	7315.820	6F*(2.5)E-2	3D (0.5)0-1
7570.516	9P (0.5)E-1	3D (0.5)0-1	7311.719	6S (1.5)0-1	4P (1.5)E-1
7569.499	4D (2.5)0-2	4P (1.5)E-2	7303.975	10P (0.5)E-1	3D (0.5)0-1
7567.805	5D (0.5)0-1	4P*(0.5)E-0	7294.431	11P (0.5)E-1	3D (1.5)0-2
7549.820	9P (2.5)E-2	3D (0.5)0-1	7290.127	10P (1.5)E-1	3D (0.5)0-1
7546.560	8F (1.5)E-2	3D (1.5)0-2	7289.644	11P (1.5)E-1	3D (1.5)0-2
7546.560	8F (1.5)E-1	3D (1.5)0-2	7289.378	11P (1.5)E-2	3D (1.5)0-2
7543.923	8F (2.5)E-3	3D (1.5)0-2	7288.905	10P (1.5)E-2	3D (0.5)0-1
7543.849	8F (2.5)E-2	3D (1.5)0-2	7287.401	8F (1.5)E-1	3D (0.5)0-0
7542.529	9P (1.5)E-1	3D (0.5)0-1	7285.441	4D*(1.5)0-1	4P*(1.5)E-2
7542.358	8F (3.5)E-3	3D (1.5)0-2	7274.002	10P (0.5)E-0	3D (0.5)0-1
7541.220	9P (1.5)E-2	3D (0.5)0-1	7272.936	4P*(0.5)E-1	4S (1.5)0-1
7531.164	7F*(3.5)E-4	3D (3.5)0-3	7270.661	4D (3.5)0-3	4P (2.5)E-3
7531.164	7F*(3.5)E-3	3D (3.5)0-3	7267.138	7S (1.5)0-1	4P*(0.5)E-0
7531.096	7F*(2.5)E-3	3D (3.5)0-3	7265.177	4D (1.5)0-1	4P (1.5)E-1
7522.755	4D (1.5)0-2	4P (2.5)E-2	7248.785	5D (1.5)0-1	4P*(0.5)E-0
7514.651	4P (0.5)E-0	4S (1.5)0-1	7229.943	4D (2.5)0-2	4P (2.5)E-2
7514.216	9P (0.5)E-0	3D (0.5)0-1	7224.684	10P (0.5)E-1	3D (0.5)0-0
7510.408	4D*(1.5)0-2	4P*(1.5)E-2	7211.134	10P (1.5)E-1	3D (0.5)0-0
7503.868	4P*(0.5)E-0	4S*(0.5)0-1	7206.986	6S*(0.5)0-1	4P*(1.5)E-2
7500.650	4D (2.5)0-3	4P (1.5)E-2	7202.513	4D*(1.5)0-1	4P*(1.5)E-1
7500.191	4D*(2.5)0-2	4P*(1.5)E-2	7176.359	9F (1.5)E-2	3D (0.5)0-1
7492.103	6F*(3.5)E-3	3D (1.5)0-2	7176.359	9F (1.5)E-1	3D (0.5)0-1
7491.844	6F*(2.5)E-3	3D (1.5)0-2	7174.912	12P (0.5)E-1	3D (1.5)0-2
7491.743	6F*(2.5)E-2	3D (1.5)0-2	7167.106	4D (2.5)0-3	4P (2.5)E-2
7485.366	9P (0.5)E-1	3D (0.5)0-0	7162.554	4D*(1.5)0-1	4P (0.5)E-0
7484.331	4D (2.5)0-2	4P (1.5)E-1	7161.759	8P*(0.5)E-1	3D (0.5)0-1
7479.323	10P (0.5)E-1	3D (1.5)0-2	7158.833	6S*(0.5)0-0	4P*(1.5)E-1
7471.274	10P (2.5)E-3	3D (1.5)0-2	7158.425	8P*(1.5)E-1	3D (0.5)0-1
7471.164	4P*(1.5)E-1	4S (1.5)0-1	7154.255	8P*(1.5)E-2	3D (0.5)0-1
7464.803	10P (1.5)E-1	3D (1.5)0-2	7150.046	4D (2.5)0-2	4P (2.5)E-3
7463.521	10P (1.5)E-2	3D (1.5)0-2	7147.041	4P*(1.5)E-1	4S (1.5)0-2
7458.003	9P (1.5)E-1	3D (0.5)0-0	7134.084	8P*(0.5)E-0	3D (0.5)0-1
7436.295	4D (1.5)0-2	4P (2.5)E-3	7127.549	11P (0.5)E-1	3D (0.5)0-1
7435.379	6S (1.5)0-2	4P (1.5)E-2	7125.826	6S*(0.5)0-1	4P*(1.5)E-1
7425.297	4D*(2.5)0-3	4P*(1.5)E-2	7122.978	11P (1.5)E-1	3D (0.5)0-1
7422.311	4D*(1.5)0-2	4P*(1.5)E-1	7122.724	11P (1.5)E-2	3D (0.5)0-1
7412.333	4D*(2.5)0-2	4P*(1.5)E-1	7107.488	6S (1.5)0-2	4P (2.5)E-2
7396.870	4D*(1.5)0-1	4P*(0.5)E-1	7104.956	11P (0.5)E-0	3D (0.5)0-1
7392.092	6S (1.5)0-1	4P (1.5)E-2	7099.799	9F (1.5)E-1	3D (0.5)0-0
7383.990	4P*(1.5)E-2	4S (1.5)0-1	7088.585	4D (2.5)0-3	4P (2.5)E-3
7380.943	7F*(3.5)E-3	3D (3.5)0-4	7086.711	6S*(0.5)0-1	4P (0.5)E-0
7380.943	7F*(3.5)E-4	3D (3.5)0-4	7085.509	8P*(0.5)E-1	3D (0.5)0-0
7380.878	7F*(2.5)E-3	3D (3.5)0-4	7082.246	8P*(1.5)E-1	3D (0.5)0-0
7372.117	4D (3.5)0-4	4P (2.5)E-3	7068.738	6S (1.5)0-1	4P (2.5)E-2
7368.083	8F (1.5)E-2	3D (0.5)0-1	7067.218	4P*(1.5)E-2	4S (1.5)0-2
7368.083	8F (1.5)E-1	3D (0.5)0-1	7062.239	7F*(3.5)E-3	3D (1.5)0-2
7365.499	8F (2.5)E-2	3D (0.5)0-1	7062.179	7F*(2.5)E-3	3D (1.5)0-2
7353.291	4D (3.5)0-3	4P (2.5)E-2	7052.021	11P (0.5)E-1	3D (0.5)0-0
7353.186	6S (1.5)0-2	4P (1.5)E-1	7047.547	11P (1.5)E-1	3D (0.5)0-0
7350.808	6S*(0.5)0-3	4P*(0.5)E-1	7030.261	6S (1.5)0-2	4P (2.5)E-3

λ	Upper State	Lower State
7025.229	4D (1.5)0-1	4P (2.5)E-2
7013.393	12P (0.5)E-1	3D (0.5)0-1
6999.104	12P (0.5)E-0	3D (0.5)0-1
6992.209	5D (0.5)0-0	4P*(0.5)E-1
6965.431	4P*(0.5)E-1	4S (1.5)0-2
6960.249	4D*(1.5)0-2	4P (1.5)E-2
6951.474	4D*(2.5)0-2	4P (1.5)E-2
6940.254	12P (0.5)E-1	3D (0.5)0-0
6937.703	4D (0.5)0-0	4P (0.5)E-1
6925.006	5D (0.5)0-1	4P*(0.5)E-1
6917.596	13P (0.5)E-0	3D (0.5)0-1
6888.174	4D*(1.5)0-2	4P (1.5)E-1
6887.090	4D*(2.5)0-3	4P (1.5)E-2
6879.579	4D*(2.5)0-2	4P (1.5)E-1
6871.289	4D (0.5)0-1	4P (0.5)E-1
6851.883	5D (1.5)0-2	4P*(0.5)E-1
6833.088	8S*(0.5)0-1	4P*(0.5)E-0
6827.246	5D (0.5)0-1	4P*(1.5)E-2
6818.287	5D (0.5)0-0	4P*(1.5)E-1
6798.022	9P*(0.5)E-0	3D (0.5)0-1
6779.924	6D (0.5)0-1	4P*(0.5)E-0
6766.609	4D*(1.5)0-1	4P (1.5)E-2
6761.442	5D (2.5)0-2	4P*(0.5)E-1
6756.162	5D (1.5)0-2	4P*(1.5)E-2
6754.370	5D (0.5)0-1	4P*(1.5)E-1
6752.833	4D (1.5)0-2	4P (0.5)E-1
6722.884	5D (3.5)0-3	4P*(1.5)E-2
6719.216	5D (0.5)0-1	4P (0.5)E-0
6698.879	6S*(0.5)0-1	4P (1.5)E-2
6698.468	4D*(1.5)0-1	4P (1.5)E-1
6689.964	7S (1.5)0-2	4P*(0.5)E-1
6684.787	5D (1.5)0-2	4P*(1.5)E-1
6677.281	4P*(0.5)E-0	4S (1.5)0-1
6672.394	7S (1.5)0-1	4P*(0.5)E-1
6672.112	4D*(1.5)0-2	4P (2.5)E-2
6668.215	5D (2.5)0-2	4P*(1.5)E-2
6664.048	4D*(2.5)0-2	4P (2.5)E-2
6660.672	6S*(0.5)0-0	4P (1.5)E-1
6656.919	5D (1.5)0-1	4P*(0.5)E-1
6647.117	5D (2.5)0-3	4P*(1.5)E-2
6632.089	6S*(0.5)0-1	4P (1.5)E-1
6623.823	5D*(1.5)0-1	4P*(0.5)E-0
6604.856	4D*(2.5)0-3	4P (2.5)E-2
6604.011	4D*(1.5)0-2	4P (2.5)E-3
6598.684	7S (1.5)0-2	4P*(1.5)E-2
6598.676	5D (2.5)0-2	4P*(1.5)E-1
6596.110	4D*(2.5)0-2	4P (2.5)E-3
6594.649	7S*(0.5)0-1	4P*(0.5)E-0
6581.589	7S (1.5)0-1	4P*(1.5)E-2
6571.384	8S (1.5)0-1	4P*(0.5)E-0
6566.532	5D (1.5)0-1	4P*(1.5)E-2
6538.114	4D*(2.5)0-3	4P (2.5)E-3
6530.580	7S (1.5)0-2	4P*(1.5)E-1
6515.946	4D (2.5)0-2	4P (0.5)E-1
6513.837	7S (1.5)0-1	4P*(1.5)E-1
6499.087	5D (1.5)0-1	4P*(1.5)E-1
6493.967	4D*(1.5)0-1	4P (2.5)E-2
6481.137	7S (1.5)0-1	4P (0.5)E-0
6466.534	5D (1.5)0-1	4P (0.5)E-0
6431.560	6S*(0.5)0-1	4P (2.5)E-2
6416.316	6S (1.5)0-2	4P (0.5)E-1
6384.719	6S (1.5)0-1	4P (0.5)E-1
6369.572	5D (0.5)0-1	4P (1.5)E-2
6364.892	5D (0.5)0-0	4P (1.5)E-1
6349.202	4D (1.5)0-1	4P (0.5)E-1
6314.471	7D (0.5)0-1	4P*(0.5)E-0
6309.158	5D (0.5)0-1	4P (1.5)E-1
6307.656	5D (1.5)0-2	4P (1.5)E-2
6304.685	8S*(0.5)0-1	4P*(0.5)E-1
6296.870	5D*(1.5)0-2	4P*(0.5)E-1
6278.640	5D (3.5)0-3	4P (1.5)E-2
6259.397	6D (0.5)0-1	4P*(0.5)E-1
6248.405	5D (1.5)0-2	4P (1.5)E-1
6244.734	5D*(2.5)0-2	4P*(0.5)E-1
6243.399	6D (0.5)0-0	4P*(0.5)E-1
6230.931	5D (2.5)0-2	4P (1.5)E-2
6224.893	9S (1.5)0-1	4P*(0.5)E-0
6223.551	8S*(0.5)0-1	4P*(1.5)E-2
6222.715	7D (1.5)0-1	4P*(0.5)E-0
6215.937	5D*(1.5)0-2	4P*(1.5)E-2
6212.506	5D (2.5)0-3	4P (1.5)E-2
6179.418	6D (0.5)0-1	4P*(1.5)E-2
6173.106	5D (2.5)0-2	4P (1.5)E-1
6170.179	7S (1.5)0-2	4P (1.5)E-2
6165.127	5D*(2.5)0-2	4P*(1.5)E-2
6162.936	8S*(0.5)0-1	4P*(1.5)E-1
6155.469	5D*(1.5)0-2	4P*(1.5)E-1
6155.230	7S (1.5)0-1	4P (1.5)E-2
6145.449	5D*(2.5)0-3	4P*(1.5)E-2
6142.058	5D (1.5)0-1	4P (1.5)E-2
6133.656	8S*(0.5)0-1	4P (0.5)E-0
6128.712	6D (1.5)0-2	4P*(0.5)E-1
6127.414	5D (0.5)0-1	4P (2.5)E-2
6126.110	5D*(1.5)0-1	4P*(0.5)E-1
6121.863	6D (2.5)0-2	4P*(0.5)E-1
6119.655	6D (0.5)0-1	4P*(1.5)E-1
6113.471	7S (1.5)0-2	4P (1.5)E-1
6105.639	5D*(2.5)0-2	4P*(1.5)E-1
6104.585	7S*(0.5)0-0	4P*(0.5)E-1
6104.362	6D (0.5)0-0	4P*(1.5)E-1
6101.147	7S*(0.5)0-1	4P*(0.5)E-1
6098.795	7S (1.5)0-1	4P (1.5)E-1
6093.339	8S (1.5)0-2	4P*(0.5)E-1
6090.964	8D (0.5)0-1	4P*(0.5)E-0
6090.784	6D (0.5)0-1	4P (0.5)E-0
6085.863	5D (1.5)0-1	4P (1.5)E-1
6081.228	8S (1.5)0-1	4P*(0.5)E-1
6070.095	5D (1.5)0-2	4P (2.5)E-2
6064.750	6D (3.5)0-3	4P*(1.5)E-2
6059.373	4D*(1.5)0-2	4P (0.5)E-1
6052.721	4D*(2.5)0-2	4P (0.5)E-1
6052.018	6D (1.5)0-2	4P*(1.5)E-2
6049.479	5D*(1.5)0-1	4P*(1.5)E-2
6045.339	6D (2.5)0-2	4P*(1.5)E-2
6043.274	6D (2.5)0-3	4P*(1.5)E-2
6043.218	5D (3.5)0-3	4P (2.5)E-2
6035.663	6D*(1.5)0-1	4P*(0.5)E-0
6032.124	5D (3.5)0-4	4P (2.5)E-3
6025.136	7S*(0.5)0-1	4P*(1.5)E-2
6019.074	10S (1.5)0-1	4P*(0.5)E-0

ARGON TRANSITIONS BY WAVELENGTHS

λ	Upper State	Lower State
6017.521	8S (1.5)0-2	4P*(1.5)E-2
6013.677	5D (1.5)0-2	4P (2.5)E-3
6005.710	8S (1.5)0-1	4P*(1.5)E-2
5999.008	5D (2.5)0-2	4P (2.5)E-2
5994.682	6D (1.5)0-2	4P*(1.5)E-1
5992.192	5D*(1.5)0-1	4P*(1.5)E-1
5988.129	6D (2.5)0-2	4P*(1.5)E-1
5987.296	5D (3.5)0-3	4P (2.5)E-3
5981.927	5D (2.5)0-3	4P (2.5)E-2
5971.596	7S*(0.5)0-0	4P*(1.5)E-1
5968.306	7S*(0.5)0-1	4P*(1.5)E-1
5964.508	5D*(1.5)0-1	4P (0.5)E-0
5960.834	8S (1.5)0-2	4P*(1.5)E-1
5949.244	8S (1.5)0-1	4P*(1.5)E-1
5943.897	5D (2.5)0-2	4P (2.5)E-3
5942.674	7S (1.5)0-2	4P (2.5)E-2
5940.842	7S*(0.5)0-1	4P (0.5)E-0
5928.806	7S (1.5)0-1	4P (2.5)E-2
5927.128	5D (2.5)0-3	4P (2.5)E-3
5921.955	8S (1.5)0-1	4P (0.5)E-0
5918.869	9D (0.5)0-1	4P*(0.5)E-0
5916.584	5D (1.5)0-1	4P (2.5)E-2
5912.084	4D*(1.5)0-1	4P (0.5)E-1
5888.588	7S (1.5)0-2	4P (2.5)E-3
5883.208	11S (1.5)0-1	4P*(0.5)E-0
5882.621	6S*(0.5)0-0	4P (0.5)E-1
5882.301	9D (1.5)0-1	4P*(0.5)E-0
5870.269	7D (0.5)0-0	4P*(0.5)E-1
5860.568	7D (0.5)0-1	4P*(0.5)E-1
5860.315	6S*(0.5)0-1	4P (0.5)E-1
5843.776	7D (1.5)0-2	4P*(0.5)E-1
5840.970	8S*(0.5)0-1	4P (1.5)E-2
5834.262	5D*(1.5)0-2	4P (1.5)E-2
5820.477	10D (0.5)0-1	4P*(0.5)E-0
5813.848	7D (2.5)0-2	4P*(0.5)E-1
5802.078	6D (0.5)0-1	4P (1.5)E-2
5791.576	12S (1.5)0-1	4P*(0.5)E-0
5790.399	7D (0.5)0-1	4P*(1.5)E-2
5790.126	8S*(0.5)0-1	4P (1.5)E-1
5789.478	5D*(2.5)0-2	4P (1.5)E-2
5787.042	9S (1.5)0-2	4P*(0.5)E-1
5783.535	5D*(1.5)0-2	4P (1.5)E-1
5783.326	9S (1.5)0-1	4P*(0.5)E-1
5781.446	7D (1.5)0-1	4P*(0.5)E-1
5774.006	7D (1.5)0-2	4P*(1.5)E-2
5772.121	5D*(2.5)0-3	4P (1.5)E-2
5758.841	7D (3.5)0-3	4P*(1.5)E-2
5753.201	11D (0.5)0-1	4P*(0.5)E-0
5751.907	6D (0.5)0-1	4P (1.5)E-1
5747.190	7D (0.5)0-0	4P*(1.5)E-1
5744.787	7D (2.5)0-2	4P*(1.5)E-2
5739.523	5D*(2.5)0-2	4P (1.5)E-1
5738.395	6D (0.5)0-0	4P (1.5)E-1
5737.891	7D (0.5)0-1	4P*(1.5)E-1
5737.158	7D (2.5)0-3	4P*(1.5)E-2
5726.241	13S (1.5)0-1	4P*(0.5)E-0
5721.794	7D (1.5)0-2	4P*(1.5)E-1
5718.612	9S (1.5)0-2	4P*(1.5)E-2
5716.330	9S*(0.5)0-1	4P*(0.5)E-0
5714.984	9S (1.5)0-1	4P*(1.5)E-2
5713.148	7D (1.5)0-1	4P*(1.5)E-2
5712.503	7D (0.5)0-1	4P (0.5)E-0
5700.872	6D (3.5)0-3	4P (1.5)E-2
5693.099	7D (2.5)0-2	4P*(1.5)E-1
5689.933	6D*(1.5)0-2	4P*(0.5)E-1
5689.931	12D (0.5)0-1	4P*(0.5)E-0
5689.620	6D (1.5)0-2	4P (1.5)E-2
5687.377	5D*(1.5)0-1	4P (1.5)E-2
5683.717	6D (2.5)0-2	4P (1.5)E-2
5681.892	6D (2.5)0-3	4P (1.5)E-2
5677.236	14S (1.5)0-1	4P*(0.5)E-0
5674.759	6D*(2.5)0-2	4P*(0.5)E-1
5667.547	8D (0.5)0-1	4P*(0.5)E-1
5667.393	9S (1.5)0-2	4P*(1.5)E-1
5665.855	7S*(0.5)0-1	4P (1.5)E-2
5663.829	9S (1.5)0-1	4P*(1.5)E-1
5662.026	7D (1.5)0-1	4P*(1.5)E-1
5659.121	8S (1.5)0-2	4P (1.5)E-2
5658.853	8D (0.5)0-0	4P*(0.5)E-1
5651.244	13D (0.5)0-1	4P*(0.5)E-0
5650.703	5D (0.5)0-0	4P (0.5)E-1
5648.673	8S (1.5)0-1	4P (1.5)E-2
5641.367	6D (1.5)0-2	4P (1.5)E-1
5639.161	5D*(1.5)0-1	4P (1.5)E-1
5639.090	9S (1.5)0-1	4P (0.5)E-0
5637.303	7D (1.5)0-1	4P (0.5)E-0
5636.691	8S*(0.5)0-1	4P (2.5)E-2
5635.563	6D (2.5)0-2	4P (1.5)E-1
5630.444	5D*(1.5)0-2	4P (2.5)E-2
5623.767	6D*(1.5)0-2	4P*(1.5)E-2
5620.918	7S*(0.5)0-0	4P (1.5)E-1
5620.683	8D (1.5)0-2	4P*(0.5)E-1
5620.404	14D (0.5)0-1	4P*(0.5)E-0
5619.637	6D*(1.5)0-1	4P*(0.5)E-1
5618.005	8D (2.5)0-2	4P*(0.5)E-1
5618.002	7S*(0.5)0-1	4P (1.5)E-1
5611.382	8S (1.5)0-2	4P (1.5)E-1
5608.944	6D*(2.5)0-2	4P*(1.5)E-2
5606.732	5D (0.5)0-1	4P (0.5)E-1
5605.863	10S (1.5)0-2	4P*(0.5)E-1
5605.254	10S (1.5)0-1	4P*(0.5)E-1
5604.368	8S*(0.5)0-0	4P*(0.5)E-1
5601.898	8D (0.5)0-1	4P*(1.5)E-2
5601.109	8S (1.5)0-1	4P (1.5)E-1
5600.465	6D (0.5)0-1	4P (2.5)E-2
5597.475	6D*(2.5)0-3	4P*(1.5)E-2
5588.723	5D*(2.5)0-2	4P (2.5)E-2
5581.870	5D*(1.5)0-2	4P (2.5)E-3
5574.225	6D*(1.5)0-2	4P*(1.5)E-1
5572.548	5D*(2.5)0-3	4P (2.5)E-2
5560.266	8D (3.5)0-3	4P*(1.5)E-2
5559.662	6D*(2.5)0-2	4P*(1.5)E-1
5558.702	5D (1.5)0-2	4P (0.5)E-1
5556.109	8D (1.5)0-2	4P*(1.5)E-2
5555.087	6D*(1.5)0-1	4P*(1.5)E-2
5553.492	8D (2.5)0-2	4P*(1.5)E-2
5552.813	8D (2.5)0-3	4P*(1.5)E-2
5552.739	8D (0.5)0-1	4P*(1.5)E-1
5544.393	8D (0.5)0-0	4P*(1.5)E-1
5541.628	10S (1.5)0-2	4P*(1.5)E-2

ARGON TRANSITIONS BY WAVELENGTHS

λ	Upper State	Lower State
5541.032	10S (1.5)0-1	4P*(1.5)E-2
5540.863	5D*(2.5)0-2	4P (2.5)E-3
5528.959	8D (0.5)0-1	4P (0.5)E-0
5524.963	5D*(2.5)0-3	4P (2.5)E-3
5523.745	9D (0.5)0-1	4P*(0.5)E-1
5518.253	9D (0.5)0-1	4P*(0.5)E-1
5510.707	9D (1.5)0-2	4P*(0.5)E-1
5507.747	8D (1.5)0-2	4P*(1.5)E-1
5506.743	6D*(1.5)0-1	4P*(1.5)E-1
5506.112	6D (3.5)0-3	4P (2.5)E-2
5505.175	8D (2.5)0-2	4P*(1.5)E-1
5500.519	9D (2.5)0-2	4P*(0.5)E-1
5499.030	5D (2.5)0-2	4P (0.5)E-1
5495.872	6D (3.5)0-4	4P (2.5)E-3
5495.615	6D (1.5)0-2	4P (2.5)E-2
5493.522	5D*(1.5)0-1	4P (2.5)E-2
5493.516	10S (1.5)0-2	4P*(1.5)E-1
5492.931	10S (1.5)0-1	4P*(1.5)E-1
5492.080	8S*(0.5)0-3	4P*(1.5)E-1
5490.107	6D (2.5)0-2	4P (2.5)E-2
5489.067	11S (1.5)0-2	4P*(0.5)E-1
5488.404	6D (2.5)0-3	4P (2.5)E-2
5487.244	11S (1.5)0-1	4P*(0.5)E-1
5486.455	9D (1.5)0-1	4P*(0.5)E-1
5483.354	6D*(1.5)0-1	4P (0.5)E-0
5473.440	7S*(0.5)0-1	4P (2.5)E-2
5469.659	10S (1.5)0-1	4P (0.5)E-0
5467.156	8S (1.5)0-2	4P (2.5)E-2
5459.650	6D (3.5)0-3	4P (2.5)E-3
5457.795	7D (0.5)0-1	4P (1.5)E-2
5457.404	8S (1.5)0-1	4P (2.5)E-2
5455.998	9D (0.5)0-1	4P*(1.5)E-2
5451.657	7S (1.5)0-2	4P (0.5)E-1
5449.330	6D (1.5)0-2	4P (2.5)E-3
5448.621	9D (1.5)0-2	4P*(1.5)E-2
5444.434	9D (3.5)0-3	4P*(1.5)E-2
5443.914	6D (2.5)0-2	4P (2.5)E-3
5443.228	7D (1.5)0-2	4P (1.5)E-2
5442.240	6D (2.5)0-3	4P (2.5)E-3
5439.984	7S (1.5)0-1	4P (0.5)E-1
5438.661	9D (2.5)0-2	4P*(1.5)E-2
5436.003	9D (2.5)0-3	4P*(1.5)E-2
5433.496	10D (0.5)0-1	4P*(0.5)E-1
5432.634	10D (0.5)0-1	4P*(0.5)E-1
5430.282	10D (1.5)0-2	4P*(0.5)E-1
5429.750	7D (3.5)0-3	4P (1.5)E-2
5429.692	5D (1.5)0-1	4P (0.5)E-1
5427.465	11S (1.5)0-2	4P*(1.5)E-2
5425.683	11S (1.5)0-1	4P*(1.5)E-2
5424.911	9D (1.5)0-1	4P*(1.5)E-2
5421.654	7D (0.5)0-0	4P (1.5)E-1
5421.346	8S (1.5)0-2	4P (2.5)E-3
5418.770	10D (2.5)0-2	4P*(0.5)E-1
5417.254	7D (2.5)0-2	4P (1.5)E-2
5414.633	9D (0.5)0-0	4P*(1.5)E-1
5413.378	7D (0.5)0-1	4P (1.5)E-1
5410.469	7D (2.5)0-3	4P (1.5)E-2
5409.356	9D (0.5)0-1	4P*(1.5)E-1
5408.893	12S (1.5)0-2	4P*(0.5)E-1
5407.448	12S (1.5)0-1	4P*(0.5)E-1
5402.104	9D (1.5)0-2	4P*(1.5)E-1
5399.047	7D (1.5)0-2	4P (1.5)E-1
5393.973	9S (1.5)0-2	4P (1.5)E-2
5392.314	9D (2.5)0-2	4P*(1.5)E-1
5390.744	9S (1.5)0-1	4P (1.5)E-2
5389.111	7D (1.5)0-1	4P (1.5)E-2
5387.382	7D*(1.5)0-2	4P*(0.5)E-1
5386.786	9D (0.5)0-1	4P (0.5)E-0
5384.106	7D*(2.5)0-2	4P*(0.5)E-1
5381.307	11S (1.5)0-2	4P*(1.5)E-1
5379.555	11S (1.5)0-1	4P*(1.5)E-1
5378.797	9D (1.5)0-1	4P*(1.5)E-1
5373.979	11D (0.5)0-1	4P*(0.5)E-1
5373.492	7D (2.5)0-2	4P (1.5)E-1
5372.285	10D (0.5)0-1	4P*(1.5)E-2
5369.985	10D (1.5)0-2	4P*(1.5)E-2
5369.600	11D (0.5)0-0	4P*(0.5)E-1
5362.502	10D (3.5)0-3	4P*(1.5)E-2
5358.728	10D (2.5)0-2	4P*(1.5)E-2
5357.232	11S (1.5)0-1	4P (0.5)E-0
5356.584	11D (1.5)0-2	4P*(0.5)E-1
5356.480	9D (1.5)0-1	4P (0.5)E-0
5355.838	11D (2.5)0-2	4P*(0.5)E-1
5355.375	10D (2.5)0-3	4P*(1.5)E-2
5351.317	13S (1.5)0-2	4P*(0.5)E-1
5350.585	9S (1.5)0-2	4P (1.5)E-1
5350.450	13S (1.5)0-1	4P*(0.5)E-1
5349.068	12S (1.5)0-2	4P*(1.5)E-2
5347.654	12S (1.5)0-1	4P*(1.5)E-2
5347.408	9S (1.5)0-1	4P (1.5)E-1
5345.801	7D (1.5)0-1	4P (1.5)E-1
5344.294	9S*(0.5)0-0	4P*(0.5)E-1
5341.795	9S*(0.5)0-1	4P*(0.5)E-1
5328.029	7D*(1.5)0-2	4P*(1.5)E-2
5327.886	10D (0.5)0-0	4P*(1.5)E-1
5327.057	10D (0.5)0-1	4P*(1.5)E-1
5324.825	7D*(2.5)0-2	4P*(1.5)E-2
5324.796	10D (1.5)0-2	4P*(1.5)E-1
5321.966	12D (0.5)0-0	4P*(0.5)E-1
5318.736	12D (0.5)0-1	4P*(0.5)E-1
5317.727	7D*(2.5)0-3	4P*(1.5)E-2
5315.939	12D (1.5)0-2	4P*(0.5)E-1
5314.919	11D (0.5)0-1	4P*(1.5)E-2
5313.727	10D (2.5)0-2	4P*(1.5)E-1
5312.972	12D (2.5)0-2	4P*(0.5)E-1
5309.511	6D*(1.5)0-2	4P (1.5)E-2
5308.543	14S (1.5)0-2	4P*(0.5)E-1
5307.641	14S (1.5)0-1	4P*(0.5)E-1
5305.167	10D (0.5)0-1	4P (0.5)E-0
5304.228	12S (1.5)0-2	4P*(1.5)E-1
5302.839	12S (1.5)0-1	4P*(1.5)E-1
5299.407	11D (3.5)0-3	4P*(1.5)E-2
5297.904	11D (1.5)0-2	4P*(1.5)E-2
5297.174	11D (2.5)0-2	4P*(1.5)E-2
5296.967	11D (2.5)0-3	4P*(1.5)E-2
5296.296	6D*(2.5)0-2	4P (1.5)E-2
5292.752	13S (1.5)0-2	4P*(1.5)E-2
5291.903	13S (1.5)0-1	4P*(1.5)E-2
5290.013	8D (0.5)0-1	4P (1.5)E-2
5286.069	6D*(2.5)0-3	4P (1.5)E-2

λ	Upper State	Lower State	λ	Upper State	Lower State
5284.916	13D (0.5)0-1	4P*(0.5)E-1	5207.689	14S (1.5)0-2	4P*(1.5)E-1
5283.540	7D*(1.5)0-2	4P*(1.5)E-1	5207.166	6D*(1.5)0-1	4P (1.5)E-1
5283.437	9S*(0.5)0-1	4P*(1.5)E-2	5206.821	14S (1.5)0-1	4P*(1.5)E-1
5282.735	13D (1.5)0-2	4P*(0.5)E-1	5205.764	8D (2.5)0-2	4P (1.5)E-1
5281.146	12S (1.5)0-1	4P (0.5)E-0	5201.385	14D (0.5)0-1	4P*(1.5)E-2
5280.389	7D*(2.5)0-2	4P*(1.5)E-1	5200.102	14D (1.5)0-2	4P*(1.5)E-2
5279.583	13D (2.5)0-2	4P*(0.5)E-1	5198.977	7D (2.5)0-2	4P (2.5)E-3
5279.029	7D (0.5)0-1	4P (2.5)E-2	5198.234	14D (3.5)0-3	4P*(1.5)E-2
5270.648	11D (0.5)0-1	4P*(1.5)E-1	5196.497	12D (0.5)0-1	4P (0.5)E-0
5267.465	6D*(1.5)0-2	4P (1.5)E-1	5195.967	14D (2.5)0-3	4P*(1.5)E-2
5266.436	11D (0.5)0-0	4P*(1.5)E-1	5195.337	10S (1.5)0-2	4P (1.5)E-1
5265.400	7D (1.5)0-2	4P (2.5)E-2	5194.814	10S (1.5)0-1	4P (1.5)E-1
5260.877	12D (0.5)0-1	4P*(1.5)E-2	5194.053	8S*(0.5)0-0	4P (1.5)E-1
5258.477	14D (0.5)0-0	4P*(0.5)E-1	5193.049	8S*(0.5)0-1	4P (0.5)E-1
5258.141	12D (1.5)0-2	4P*(1.5)E-2	5192.728	7D (2.5)0-3	4P (2.5)E-3
5257.935	14D (0.5)0-1	4P*(0.5)E-1	5187.746	5D*(1.5)0-2	4P (0.5)E-1
5257.400	12D (3.5)0-3	4P*(1.5)E-2	5185.906	14S (1.5)0-1	4P (0.5)E-0
5256.625	14D (1.5)0-2	4P*(0.5)E-1	5184.950	13D (0.5)0-1	4P*(1.5)E-1
5255.239	12D (2.5)0-2	4P*(1.5)E-2	5182.851	13D (1.5)0-2	4P*(1.5)E-1
5254.459	6D*(2.5)0-2	4P (1.5)E-1	5179.816	13D (2.5)0-2	4P*(1.5)E-1
5254.410	12D (2.5)0-3	4P*(1.5)E-2	5177.530	9S (1.5)0-2	4P (2.5)E-3
5253.915	11D (1.5)0-2	4P*(1.5)E-1	5164.210	13D (0.5)0-1	4P (0.5)E-0
5253.197	11D (2.5)0-2	4P*(1.5)E-1	5162.284	6D (0.5)0-1	4P (0.5)E-1
5252.872	8D (3.5)0-3	4P (1.5)E-2	5159.718	9D (0.5)0-1	4P (1.5)E-2
5252.786	7D (3.5)0-3	4P (2.5)E-2	5159.499	14D (0.5)0-0	4P*(1.5)E-1
5250.905	14S (1.5)0-2	4P*(1.5)E-2	5158.977	14D (0.5)0-1	4P*(1.5)E-1
5250.022	14S (1.5)0-1	4P*(1.5)E-2	5157.716	14D (1.5)0-2	4P*(1.5)E-1
5249.218	11D (0.5)0-1	4P (0.5)E-0	5153.120	9D (1.5)0-2	4P (1.5)E-2
5249.162	8D (1.5)0-2	4P (1.5)E-2	5152.307	5D*(2.5)0-2	4P (0.5)E-1
5248.848	13S (1.5)0-2	4P*(1.5)E-1	5151.398	6D (0.5)0-0	4P (0.5)E-1
5248.275	8D (0.5)0-1	4P (1.5)E-1	5149.374	9D (3.5)0-3	4P (1.5)E-2
5248.250	6D*(1.5)0-1	4P (1.5)E-2	5144.210	9D (2.5)0-2	4P (1.5)E-2
5248.013	13S (1.5)0-1	4P*(1.5)E-1	5141.831	9D (2.5)0-3	4P (1.5)E-2
5246.826	8D (2.5)0-2	4P (1.5)E-2	5140.176	6D*(1.5)0-2	4P (2.5)E-2
5246.220	8D (2.5)0-3	4P (1.5)E-2	5138.444	14D (0.5)0-1	4P (0.5)E-0
5242.091	9S*(0.5)0-0	4P*(1.5)E-1	5134.192	11S (1.5)0-2	4P (1.5)E-2
5241.091	7D (2.5)0-2	4P (2.5)E-2	5132.597	11S (1.5)0-1	4P (1.5)E-2
5240.818	8D (0.5)0-0	4P (1.5)E-1	5131.907	9D (1.5)0-1	4P (1.5)E-2
5239.687	9S*(0.5)0-1	4P*(1.5)E-1	5127.789	6D*(2.5)0-2	4P (2.5)E-2
5236.235	10S (1.5)0-2	4P (1.5)E-2	5124.730	9D (0.5)0-0	4P (1.5)E-1
5235.703	10S (1.5)0-1	4P (1.5)E-2	5121.900	8D (0.5)0-1	4P (2.5)E-2
5234.740	7D (2.5)0-3	4P (2.5)E-2	5120.003	9D (0.5)0-1	4P (1.5)E-1
5227.788	13D (0.5)0-1	4P*(1.5)E-2	5118.202	6D*(2.5)0-3	4P (2.5)E-2
5226.766	13S (1.5)0-1	4P (0.5)E-0	5113.505	9D (1.5)0-2	4P (1.5)E-1
5225.653	13D (1.5)0-2	4P*(1.5)E-2	5104.732	9D (2.5)0-2	4P (1.5)E-1
5224.214	13D (3.5)0-3	4P*(1.5)E-2	5099.662	6D*(1.5)0-2	4P (2.5)E-3
5222.896	7D (1.5)0-2	4P (2.5)E-3	5094.867	11S (1.5)0-2	4P (1.5)E-1
5222.569	13D (2.5)0-2	4P*(1.5)E-2	5093.297	11S (1.5)0-1	4P (1.5)E-1
5221.641	13D (2.5)0-3	4P*(1.5)E-2	5092.617	9D (1.5)0-1	4P (1.5)E-1
5221.270	7D (3.5)0-4	4P (2.5)E-3	5087.469	6D*(2.5)0-2	4P (2.5)E-3
5220.607	12D (0.5)0-0	4P*(1.5)E-1	5087.074	8D (3.5)0-3	4P (2.5)E-2
5219.296	9S (1.5)0-2	4P (2.5)E-2	5084.787	10D (0.5)0-1	4P (1.5)E-2
5218.507	9S*(0.5)0-1	4P (0.5)E-0	5083.595	8D (1.5)0-2	4P (2.5)E-2
5217.498	12D (0.5)0-1	4P*(1.5)E-1	5082.739	6D*(1.5)0-1	4P (2.5)E-2
5216.273	9S (1.5)0-1	4P (2.5)E-2	5082.727	10D (1.5)0-2	4P (1.5)E-2
5214.807	12D (1.5)0-2	4P*(1.5)E-1	5081.404	8D (2.5)0-2	4P (2.5)E-2
5214.744	7D (1.5)0-1	4P (2.5)E-2	5080.835	8D (2.5)0-3	4P (2.5)E-2
5211.952	12D (2.5)0-2	4P*(1.5)E-1	5078.032	6D*(2.5)0-3	4P (2.5)E-3
5210.485	7D (3.5)0-3	4P (2.5)E-3	5076.022	10D (3.5)0-3	4P (1.5)E-2
5208.064	8D (1.5)0-2	4P (1.5)E-1	5073.069	6D (1.5)0-2	4P (0.5)E-1

ARGON TRANSITIONS BY WAVELENGTHS

λ	Upper State	Lower State	λ	Upper State	Lower State
5072.640	10D (2.5)C-2	4P (1.5)E-2	4956.753	9D (3.5)C-4	4P (2.5)E-3
5071.469	10S (1.5)C-2	4P (2.5)E-2	4955.220	9D (1.5)C-2	4P (2.5)E-3
5071.286	5D*(1.5)C-1	4P (0.5)E-1	4955.154	13D (0.5)C-1	4P (1.5)E-2
5070.970	10S (1.5)C-1	4P (2.5)E-2	4953.237	13D (1.5)C-2	4P (1.5)E-2
5069.635	10D (2.5)C-3	4P (1.5)E-2	4951.944	13D (3.5)C-3	4P (1.5)E-2
5068.375	6D (2.5)C-2	4P (0.5)E-1	4951.757	9D (3.5)C-3	4P (2.5)E-3
5063.983	12S (1.5)C-2	4P (1.5)E-2	4950.590	12D (0.5)C-0	4P (1.5)E-1
5062.717	12S (1.5)C-1	4P (1.5)E-2	4950.465	13D (2.5)C-2	4P (1.5)E-2
5060.071	8D (3.5)C-4	4P (2.5)E-3	4949.632	13D (2.5)C-3	4P (1.5)E-2
5056.526	7S*(0.5)C-0	4P (0.5)E-1	4947.794	12D (0.5)C-1	4P (1.5)E-1
5054.167	7S*(0.5)C-1	4P (0.5)E-1	4946.981	9D (2.5)C-2	4P (2.5)E-3
5048.808	8S (1.5)C-2	4P (0.5)E-1	4945.374	12D (1.5)C-2	4P (1.5)E-1
5047.390	8D (3.5)C-3	4P (2.5)E-3	4944.781	9D (2.5)C-3	4P (2.5)E-3
5046.956	10D (0.5)C-0	4P (1.5)E-1	4942.806	12D (2.5)C-2	4P (1.5)E-1
5046.213	10D (0.5)C-1	4P (1.5)E-1	4938.972	14S (1.5)C-2	4P (1.5)E-1
5045.123	7D*(1.5)C-2	4P (1.5)E-2	4938.192	14S (1.5)C-1	4P (1.5)E-1
5044.183	10D (1.5)C-2	4P (1.5)E-1	4937.716	11S (1.5)C-2	4P (2.5)E-3
5043.964	8D (1.5)C-2	4P (2.5)E-3	4931.428	14D (0.5)C-1	4P (1.5)E-2
5042.250	7D*(2.5)C-2	4P (1.5)E-2	4930.275	14D (1.5)C-2	4P (1.5)E-2
5041.807	8D (2.5)C-2	4P (2.5)E-3	4929.273	10D (0.5)C-1	4P (2.5)E-2
5041.248	8D (2.5)C-3	4P (2.5)E-3	4928.595	14D (3.5)C-3	4P (1.5)E-2
5040.490	8S (1.5)C-1	4P (0.5)E-1	4927.336	10D (1.5)C-2	4P (2.5)E-2
5035.885	7D*(2.5)C-3	4P (1.5)E-2	4926.557	14D (2.5)C-3	4P (1.5)E-2
5034.249	10D (2.5)C-2	4P (1.5)E-1	4921.035	10D (3.5)C-3	4P (2.5)E-2
5033.367	11D (0.5)C-1	4P (1.5)E-2	4918.515	13D (0.5)C-1	4P (1.5)E-1
5032.026	10S (1.5)C-2	4P (2.5)E-3	4917.857	10D (2.5)C-2	4P (2.5)E-2
5025.723	12S (1.5)C-2	4P (1.5)E-1	4916.625	13D (1.5)C-2	4P (1.5)E-1
5024.475	12S (1.5)C-1	4P (1.5)E-1	4915.032	10D (2.5)C-3	4P (2.5)E-2
5019.453	11D (3.5)C-3	4P (1.5)E-2	4913.895	13D (2.5)C-2	4P (1.5)E-1
5018.105	11D (1.5)C-2	4P (1.5)E-2	4909.720	12S (1.5)C-2	4P (2.5)E-2
5017.450	11D (2.5)C-2	4P (1.5)E-2	4908.529	12S (1.5)C-1	4P (2.5)E-2
5017.263	11D (2.5)C-3	4P (1.5)E-2	4895.606	14D (0.5)C-0	4P (1.5)E-1
5013.482	13S (1.5)C-2	4P (1.5)E-2	4895.136	14D (0.5)C-1	4P (1.5)E-1
5012.720	13S (1.5)C-1	4P (1.5)E-2	4894.693	7D (0.5)C-0	4P (0.5)E-1
5007.146	7D*(1.5)C-2	4P (1.5)E-1	4894.001	14D (1.5)C-2	4P (1.5)E-1
5005.123	9S*(0.5)C-1	4P (1.5)E-2	4891.989	7D*(1.5)C-2	4P (2.5)E-2
5004.316	7D*(2.5)C-2	4P (1.5)E-1	4890.096	10D (1.5)C-2	4P (2.5)E-3
4999.659	9D (0.5)C-1	4P (2.5)E-2	4889.288	7D*(2.5)C-2	4P (2.5)E-2
4995.566	11D (0.5)C-1	4P (1.5)E-1	4887.946	7D (0.5)C-1	4P (0.5)E-1
4993.463	9D (1.5)C-2	4P (2.5)E-2	4886.291	10D (3.5)C-4	4P (2.5)E-3
4991.782	11D (0.5)C-0	4P (1.5)E-1	4883.889	10D (3.5)C-3	4P (2.5)E-3
4989.946	9D (3.5)C-3	4P (2.5)E-2	4883.303	7D*(2.5)C-3	4P (2.5)E-2
4985.096	9D (2.5)C-2	4P (2.5)E-2	4880.935	11D (0.5)C-1	4P (2.5)E-2
4984.873	12D (0.5)C-1	4P (1.5)E-2	4880.759	10D (2.5)C-2	4P (2.5)E-3
4982.863	9D (2.5)C-3	4P (2.5)E-2	4877.977	10D (2.5)C-3	4P (2.5)E-3
4982.416	12D (1.5)C-2	4P (1.5)E-2	4876.260	7D (1.5)C-2	4P (0.5)E-1
4981.751	12D (3.5)C-3	4P (1.5)E-2	4872.744	12S (1.5)C-2	4P (2.5)E-3
4980.531	11D (1.5)C-2	4P (1.5)E-1	4867.849	11D (3.5)C-3	4P (2.5)E-2
4979.886	11D (2.5)C-2	4P (1.5)E-1	4866.582	11D (1.5)C-2	4P (2.5)E-2
4979.810	12D (2.5)C-2	4P (1.5)E-2	4865.966	11D (2.5)C-2	4P (2.5)E-2
4979.066	12D (2.5)C-3	4P (1.5)E-2	4865.790	11D (2.5)C-3	4P (2.5)E-2
4975.978	13S (1.5)C-2	4P (1.5)E-1	4862.234	13S (1.5)C-2	4P (2.5)E-2
4975.919	14S (1.5)C-2	4P (1.5)E-2	4861.517	13S (1.5)C-1	4P (2.5)E-2
4975.688	11S (1.5)C-2	4P (2.5)E-2	4855.404	7D (2.5)C-2	4P (0.5)E-1
4975.227	13S (1.5)C-1	4P (1.5)E-1	4855.279	7D*(1.5)C-2	4P (2.5)E-3
4975.126	14S (1.5)C-1	4P (1.5)E-2	4854.371	9S*(0.5)C-1	4P (2.5)E-2
4974.190	11S (1.5)C-1	4P (2.5)E-2	4852.618	7D*(2.5)C-2	4P (2.5)E-3
4973.542	9D (1.5)C-1	4P (2.5)E-2	4846.722	7D*(2.5)C-3	4P (2.5)E-3
4969.904	9S*(0.5)C-0	4P (1.5)E-1	4836.693	9S (1.5)C-2	4P (0.5)E-1
4967.744	9S*(0.5)C-1	4P (1.5)E-1	4835.970	11D (3.5)C-4	4P (2.5)E-3

ARGON TRANSITIONS BY WAVELENGTHS

λ	Upper State	Lower State	λ	Upper State	Lower State
4835.320	12D (0.5)0-1	4P (2.5)E-2	4586.613	10D (0.5)0-1	4P (0.5)E-1
4834.097	9S (1.5)0-1	4P (0.5)E-1	4584.936	10D (1.5)0-2	4P (0.5)E-1
4833.009	12D (1.5)0-2	4P (2.5)E-2	4576.727	10D (2.5)0-2	4P (0.5)E-1
4832.784	7D (1.5)0-1	4P (0.5)E-1	4569.679	12S (1.5)0-2	4P (0.5)E-1
4832.382	12D (3.5)0-3	4P (2.5)E-2	4568.647	12S (1.5)0-1	4P (0.5)E-1
4831.499	11D (3.5)0-3	4P (2.5)E-3	4554.315	7D*(1.5)0-2	4P (0.5)E-1
4830.557	12D (2.5)0-2	4P (2.5)E-2	4551.974	7D*(2.5)0-2	4P (0.5)E-1
4830.250	11D (1.5)0-2	4P (2.5)E-3	4544.733	11D (0.5)0-1	4P (0.5)E-1
4829.856	12D (2.5)0-3	4P (2.5)E-2	4541.601	11D (0.5)0-1	4P (0.5)E-1
4829.644	11D (2.5)0-2	4P (2.5)E-3	4532.286	11D (1.5)0-2	4P (0.5)E-1
4829.471	11D (2.5)0-3	4P (2.5)E-3	4531.752	11D (2.5)0-2	4P (0.5)E-1
4826.895	14S (1.5)0-2	4P (2.5)E-2	4528.515	13S (1.5)0-2	4P (0.5)E-1
4826.149	14S (1.5)0-1	4P (2.5)E-2	4527.893	13S (1.5)0-1	4P (0.5)E-1
4825.967	13S (1.5)0-2	4P (2.5)E-3	4523.484	9S*(0.5)0-0	4P (0.5)E-1
4807.353	13D (0.5)0-1	4P (2.5)E-2	4522.224	5P (0.5)E-1	4S*(0.5)0-0
4805.548	13D (1.5)0-2	4P (2.5)E-2	4521.694	9S*(0.5)0-1	4P (0.5)E-1
4804.331	13D (3.5)0-3	4P (2.5)E-2	4510.733	5P (0.5)E-0	4S*(0.5)0-1
4802.939	13D (2.5)0-2	4P (2.5)E-2	4507.478	12D (0.5)0-0	4P (0.5)E-1
4802.195	13D (2.5)0-3	4P (2.5)E-2	4505.160	12D (0.5)0-1	4P (0.5)E-1
4798.743	12D (3.5)0-4	4P (2.5)E-3	4503.153	12D (1.5)0-2	4P (0.5)E-1
4797.175	12D (1.5)0-2	4P (2.5)E-3	4501.024	12D (2.5)0-2	4P (0.5)E-1
4796.558	12D (3.5)0-3	4P (2.5)E-3	4497.845	14S (1.5)0-2	4P (0.5)E-1
4794.759	12D (2.5)0-2	4P (2.5)E-3	4497.197	14S (1.5)0-1	4P (0.5)E-1
4794.069	12D (2.5)0-3	4P (2.5)E-3	4480.872	13D (0.5)0-1	4P (0.5)E-1
4791.151	14S (1.5)0-2	4P (2.5)E-3	4479.304	13D (1.5)0-2	4P (0.5)E-1
4785.017	14D (0.5)0-1	4P (2.5)E-2	4477.037	13D (2.5)0-2	4P (0.5)E-1
4783.932	14D (1.5)0-2	4P (2.5)E-2	4461.851	14D (0.5)0-1	4P (0.5)E-1
4782.350	14D (3.5)0-3	4P (2.5)E-2	4461.461	14D (0.5)0-1	4P (0.5)E-1
4780.432	14D (2.5)0-3	4P (2.5)E-2	4460.517	14D (1.5)0-2	4P (0.5)E-1
4770.381	13D (3.5)0-4	4P (2.5)E-3	4423.995	5P (1.5)E-1	4S*(0.5)0-0
4770.119	13D (1.5)0-2	4P (2.5)E-3	4363.703	5P (0.5)E-1	4S (1.5)0-1
4768.920	13D (3.5)0-3	4P (2.5)E-3	4345.168	5P*(1.5)E-1	4S*(0.5)0-1
4768.672	6D*(1.5)0-2	4P (0.5)E-1	4335.338	5P*(0.5)E-1	4S*(0.5)0-1
4767.549	13D (2.5)0-2	4P (2.5)E-3	4333.561	5P*(1.5)E-2	4S*(0.5)0-1
4766.776	13D (2.5)0-3	4P (2.5)E-3	4300.101	5P (2.5)E-2	4S (1.5)0-1
4758.009	6D*(2.5)0-2	4P (0.5)E-1	4272.170	5P (1.5)E-1	4S (1.5)0-1
4752.938	8D (0.5)0-1	4P (0.5)E-1	4266.287	5P (1.5)E-2	4S (1.5)0-1
4748.820	14D (1.5)0-2	4P (2.5)E-3	4259.362	5P*(0.5)E-0	4S*(0.5)0-1
4748.231	14D (3.5)0-4	4P (2.5)E-3	4251.098	5P (0.5)E-1	4S (1.5)0-2
4747.261	14D (3.5)0-3	4P (2.5)E-3	4200.675	5P (2.5)E-3	4S (1.5)0-2
4746.822	8D (0.5)0-0	4P (0.5)E-1	4198.318	5P (0.5)E-0	4S (1.5)0-1
4745.371	14D (2.5)0-3	4P (2.5)E-3	4191.030	5P*(1.5)E-1	4S*(0.5)0-0
4719.935	8D (1.5)0-2	4P (0.5)E-1	4190.713	5P (2.5)E-2	4S (1.5)0-2
4719.197	6D*(1.5)0-1	4P (0.5)E-1	4181.884	5P*(0.5)E-1	4S*(0.5)0-0
4718.046	8D (2.5)0-2	4P (0.5)E-1	4164.180	5P (1.5)E-1	4S (1.5)0-2
4709.480	10S (1.5)0-2	4P (0.5)E-1	4158.591	5P (1.5)E-2	4S (1.5)0-2
4709.050	10S (1.5)0-1	4P (0.5)E-1	4054.526	5P*(1.5)E-1	4S (1.5)0-1
4708.424	8S*(0.5)0-0	4P (0.5)E-1	4045.966	5P*(0.5)E-1	4S (1.5)0-1
4702.209	5P (0.5)E-1	4S*(0.5)0-1	4044.418	5P*(1.5)E-2	4S (1.5)0-1
4651.387	9D (0.5)0-0	4P (0.5)E-1	4032.998	4F (1.5)E-1	4S*(0.5)0-1
4647.492	9D (0.5)0-1	4P (0.5)E-1	4032.946	4F (1.5)E-2	4S*(0.5)0-1
4642.138	9D (1.5)0-2	4P (0.5)E-1	4011.679	4F (2.5)E-2	4S*(0.5)0-1
4634.907	9D (2.5)0-2	4P (0.5)E-1	3979.716	5P*(0.5)E-0	4S (1.5)0-1
4628.441	5P (2.5)E-2	4S*(0.5)0-1	3957.134	5P*(1.5)E-1	4S (1.5)0-2
4626.773	11S (1.5)0-2	4P (0.5)E-1	3948.979	5P*(0.5)E-1	4S (1.5)0-2
4625.478	11S (1.5)0-1	4P (0.5)E-1	3947.505	5P*(1.5)E-2	4S (1.5)0-2
4624.917	9D (1.5)0-1	4P (0.5)E-1	3899.872	4F (1.5)E-1	4S*(0.5)0-0
4596.097	5P (1.5)E-1	4S*(0.5)0-1	3894.661	6P (0.5)E-1	4S*(0.5)0-1
4589.289	5P (1.5)E-2	4S*(0.5)0-1	3876.069	6P (2.5)E-2	4S*(0.5)0-1
4587.227	10D (0.5)0-1	4P (0.5)E-1	3866.279	6P (1.5)E-1	4S*(0.5)0-1

ARGON TRANSITIONS BY WAVELENGTHS

λ	Upper State	Lower State
3864.269	6P (1.5)E-2	4S*(0.5)0-1
3834.679	6P (0.5)E-0	4S*(0.5)0-1
3807.764	4F*(2.5)E-2	4S*(0.5)0-1
3781.407	4F (1.5)E-1	4S (1.5)0-1
3781.361	4F (1.5)E-2	4S (1.5)0-1
3770.369	6P (0.5)E-1	4S*(0.5)0-0
3762.659	4F (2.5)E-2	4S (1.5)0-1
3743.765	6P (1.5)E-1	4S*(0.5)0-(
3696.556	4F (1.5)E-1	4S (1.5)0-2
3696.512	4F (1.5)E-2	4S (1.5)0-2
3690.896	4F (2.5)E-3	4S (1.5)0-2
3688.127	4F (3.5)E-3	4S (1.5)0-2
3678.637	4F (2.5)E-2	4S (1.5)0-2
3675.236	6P*(0.5)E-1	4S*(0.5)0-1
3674.092	6P*(1.5)E-1	4S*(0.5)0-1
3670.670	6P*(1.5)E-2	4S*(0.5)0-1
3663.799	5F (1.5)E-1	4S*(0.5)0-1
3663.772	5F (1.5)E-2	4S*(0.5)0-1
3660.850	5F (2.5)E-2	4S*(0.5)0-1
3659.530	6P (0.5)E-1	4S (1.5)0-1
3649.833	6P*(0.5)E-0	4S*(0.5)0-1
3643.111	6P (2.5)E-2	4S (1.5)0-1
3634.461	6P (1.5)E-1	4S (1.5)0-1
3632.684	6P (1.5)E-2	4S (1.5)0-1
3606.522	6P (0.5)E-0	4S (1.5)0-1
3599.697	7P (0.5)E-1	4S*(0.5)0-1
3593.404	7P (2.5)E-2	4S*(0.5)0-1
3588.984	7P (1.5)E-1	4S*(0.5)0-1
3588.133	7P (1.5)E-2	4S*(0.5)0-1
3582.704	4F*(2.5)E-2	4S (1.5)0-1
3580.002	6P (0.5)E-1	4S (1.5)0-2
3572.294	7P (0.5)E-0	4S*(0.5)0-1
3567.657	6P (2.5)E-3	4S (1.5)0-2
3564.356	6P*(0.5)E-1	4S*(0.5)0-0
3564.287	6P (2.5)E-2	4S (1.5)0-2
3563.280	6P*(1.5)E-1	4S*(0.5)0-0
3556.007	6P (1.5)E-1	4S (1.5)0-2
3554.306	6P (1.5)E-2	4S (1.5)0-2
3553.597	5F (1.5)E-1	4S*(0.5)0-0
3506.591	4F*(3.5)E-3	4S (1.5)0-2
3506.478	4F*(2.5)E-3	4S (1.5)0-2
3506.446	4F*(2.5)E-2	4S (1.5)0-2
3493.262	7P (0.5)E-1	4S*(0.5)0-0
3490.463	6F (1.5)E-1	4S*(0.5)0-1
3490.441	6F (1.5)E-2	4S*(0.5)0-1
3489.190	6F (2.5)E-2	4S*(0.5)0-1
3483.172	7P (1.5)E-1	4S*(0.5)0-0
3478.772	5F*(2.5)E-2	4S*(0.5)0-1
3465.138	6P*(0.5)E-1	4S (1.5)0-1
3464.121	6P*(1.5)E-1	4S (1.5)0-1
3461.078	6P*(1.5)E-2	4S (1.5)0-1
3457.803	8P (0.5)E-1	4S*(0.5)0-1
3454.969	5F (1.5)E-1	4S (1.5)0-1
3454.945	5F (1.5)E-2	4S (1.5)0-1
3452.428	8P (2.5)E-2	4S*(0.5)0-1
3452.347	5F (2.5)E-2	4S (1.5)0-1
3450.086	8P (1.5)E-1	4S*(0.5)0-1
3449.535	8P (1.5)E-2	4S*(0.5)0-1
3442.598	8P (0.5)E-0	4S*(0.5)0-1
3442.546	6P*(0.5)E-0	4S (1.5)0-1
3418.567	7P*(1.5)E-1	4S*(0.5)0-1
3417.689	7P*(0.5)E-1	4S*(0.5)0-1
3416.816	7P*(1.5)E-2	4S*(0.5)0-1
3406.179	7P*(0.5)E-0	4S*(0.5)0-1
3397.909	7P (0.5)E-1	4S (1.5)0-1
3393.762	7F (1.5)E-1	4S*(0.5)0-1
3393.752	6P*(0.5)E-1	4S (1.5)0-2
3393.745	7F (1.5)E-2	4S*(0.5)0-1
3392.850	7F (2.5)E-2	4S*(0.5)0-1
3392.776	6P*(1.5)E-1	4S (1.5)0-2
3392.301	7P (2.5)E-2	4S (1.5)0-1
3390.299	6F (1.5)E-1	4S*(0.5)0-0
3389.858	6P*(1.5)E-2	4S (1.5)0-2
3388.361	7P (1.5)E-1	4S (1.5)0-1
3387.603	7P (1.5)E-2	4S (1.5)0-1
3383.997	5F (1.5)E-1	4S (1.5)0-2
3383.974	5F (1.5)E-2	4S (1.5)0-2
3381.509	5F (2.5)E-3	4S (1.5)0-2
3381.481	5F (2.5)E-2	4S (1.5)0-2
3380.370	5F (3.5)E-3	4S (1.5)0-2
3374.707	9P (0.5)E-1	4S*(0.5)0-1
3373.481	7P (0.5)E-0	4S (1.5)0-1
3370.588	9P (2.5)E-2	4S*(0.5)0-1
3369.134	9P (1.5)E-1	4S*(0.5)0-1
3368.872	9P (1.5)E-2	4S*(0.5)0-1
3363.473	9P (0.5)E-0	4S*(0.5)0-1
3359.478	8P (0.5)E-1	4S*(0.5)0-0
3352.194	8P (1.5)E-1	4S*(0.5)0-0
3333.874	8F (1.5)E-2	4S*(0.5)0-1
3333.874	8F (1.5)E-1	4S*(0.5)0-1
3333.345	8F (2.5)E-2	4S*(0.5)0-1
3329.239	7P (0.5)E-1	4S (1.5)0-2
3325.502	7P (2.5)E-3	4S (1.5)0-2
3323.855	7P (2.5)E-2	4S (1.5)0-2
3323.132	6F*(2.5)E-2	4S*(0.5)0-1
3322.429	7P*(1.5)E-1	4S*(0.5)0-0
3321.600	7P*(0.5)E-1	4S*(0.5)0-0
3320.686	10P (0.5)E-1	4S*(0.5)0-1
3320.073	7P (1.5)E-1	4S (1.5)0-2
3319.345	7P (1.5)E-2	4S (1.5)0-2
3317.820	10P (1.5)E-1	4S*(0.5)0-1
3317.567	10P (1.5)E-2	4S*(0.5)0-1
3314.476	10P (0.5)E-0	4S*(0.5)0-1
3300.412	6F (1.5)E-1	4S (1.5)0-1
3300.392	6F (1.5)E-2	4S (1.5)0-1
3299.273	6F (2.5)E-2	4S (1.5)0-1
3298.996	7F (1.5)E-1	4S*(0.5)0-0
3294.053	9F (1.5)E-2	4S*(0.5)0-1
3294.053	9F (1.5)E-1	4S*(0.5)0-1
3290.973	8P*(0.5)E-1	4S*(0.5)0-1
3290.269	8P*(1.5)E-1	4S*(0.5)0-1
3289.957	5F*(2.5)E-2	4S (1.5)0-1
3289.388	8P*(1.5)E-2	4S*(0.5)0-1
3285.117	8P*(0.5)E-0	4S*(0.5)0-1
3283.730	11P (0.5)E-1	4S*(0.5)0-1
3282.760	11P (1.5)E-1	4S*(0.5)0-1
3282.706	11P (1.5)E-2	4S*(0.5)0-1
3280.986	9P (0.5)E-1	4S*(0.5)0-0
3278.927	11P (0.5)E-0	4S*(0.5)0-1
3275.718	9P (1.5)E-1	4S*(0.5)0-0

λ	Upper State	Lower State
3271.196	8P (0.5)E-1	4S (1.5)0-1
3266.385	8P (2.5)E-2	4S (1.5)0-1
3264.289	8P (1.5)E-1	4S (1.5)0-1
3263.796	8P (1.5)E-2	4S (1.5)0-1
3259.289	12P (0.5)E-1	4S*(0.5)0-1
3257.585	8P (0.5)E-0	4S (1.5)0-1
3256.199	12P (0.5)E-0	4S*(0.5)0-1
3242.377	8F (1.5)E-1	4S*(0.5)0-0
3238.446	13P (0.5)E-0	4S*(0.5)0-1
3236.059	7P*(1.5)E-1	4S (1.5)0-1
3235.588	6F (1.5)E-1	4S (1.5)0-2
3235.569	6F (1.5)E-2	4S (1.5)0-2
3235.272	7P*(0.5)E-1	4S (1.5)0-1
3234.516	6F (2.5)E-3	4S (1.5)0-2
3234.494	6F (2.5)E-2	4S (1.5)0-2
3234.491	7P*(1.5)E-2	4S (1.5)0-1
3233.792	6F (3.5)E-3	4S (1.5)0-2
3229.902	10P (0.5)E-1	4S*(0.5)0-0
3227.190	10P (1.5)E-1	4S*(0.5)0-0
3225.717	5F*(3.5)E-3	4S (1.5)0-2
3225.556	5F*(2.5)E-3	4S (1.5)0-2
3225.539	5F*(2.5)E-2	4S (1.5)0-2
3224.957	7P*(0.5)E-0	4S (1.5)0-1
3213.824	7F (1.5)E-1	4S (1.5)0-1
3213.808	7F (1.5)E-2	4S (1.5)0-1
3213.005	7F (2.5)E-2	4S (1.5)0-1
3211.996	9P*(0.5)E-0	4S*(0.5)0-1
3207.504	8P (0.5)E-1	4S (1.5)0-2
3204.699	9F (1.5)E-1	4S*(0.5)0-0
3203.667	8P (2.5)E-3	4S (1.5)0-2
3202.878	8P (2.5)E-2	4S (1.5)0-2
3201.784	8P*(0.5)E-1	4S*(0.5)0-0
3201.118	8P*(1.5)E-1	4S*(0.5)0-0
3200.863	8P (1.5)E-1	4S (1.5)0-2
3200.389	8P (1.5)E-2	4S (1.5)0-2
3196.730	9P (0.5)E-1	4S (1.5)0-1
3194.928	11P (0.5)E-1	4S*(0.5)0-0
3194.010	11P (1.5)E-1	4S*(0.5)0-0
3193.033	9P (2.5)E-2	4S (1.5)0-1
3191.729	9P (1.5)E-1	4S (1.5)0-1
3191.494	9P (1.5)E-2	4S (1.5)0-1
3186.648	9P (0.5)E-0	4S (1.5)0-1
3173.714	7P*(1.5)E-1	4S (1.5)0-2
3172.958	7P*(0.5)E-1	4S (1.5)0-2
3172.206	7P*(1.5)E-2	4S (1.5)0-2
3171.786	12P (0.5)E-1	4S*(0.5)0-0
3160.067	8F (1.5)E-2	4S (1.5)0-1
3160.067	8F (1.5)E-1	4S (1.5)0-1
3159.592	8F (2.5)E-2	4S (1.5)0-1
3152.325	7F (1.5)E-1	4S (1.5)0-2
3152.310	7F (1.5)E-2	4S (1.5)0-2
3151.552	7F (2.5)E-3	4S (1.5)0-2
3151.537	7F (2.5)E-2	4S (1.5)0-2
3151.182	7F (3.5)E-3	4S (1.5)0-2
3150.414	6F*(2.5)E-2	4S (1.5)0-1
3148.215	10P (0.5)E-1	4S (1.5)0-1
3145.640	10P (1.5)E-1	4S (1.5)0-1
3145.412	10P (1.5)E-2	4S (1.5)0-1
3142.634	10P (0.5)E-0	4S (1.5)0-1
3135.877	9P (0.5)E-1	4S (1.5)0-2
3132.880	9P (2.5)E-3	4S (1.5)0-2
3132.320	9P (2.5)E-2	4S (1.5)0-2
3131.064	9P (1.5)E-1	4S (1.5)0-2
3130.839	9P (1.5)E-2	4S (1.5)0-2
3124.267	9F (1.5)E-2	4S (1.5)0-1
3124.267	9F (1.5)E-1	4S (1.5)0-1
3121.497	8P*(0.5)E-1	4S (1.5)0-1
3120.863	8P*(1.5)E-1	4S (1.5)0-1
3120.070	8P*(1.5)E-2	4S (1.5)0-1
3116.227	8P*(0.5)E-0	4S (1.5)0-1
3114.980	11P (0.5)E-1	4S (1.5)0-1
3114.106	11P (1.5)E-1	4S (1.5)0-1
3114.058	11P (1.5)E-2	4S (1.5)0-1
3110.657	11P (0.5)E-0	4S (1.5)0-1
3100.589	8F (1.5)E-2	4S (1.5)0-2
3100.589	8F (1.5)E-1	4S (1.5)0-2
3100.144	8F (2.5)E-3	4S (1.5)0-2
3100.131	8F (2.5)E-2	4S (1.5)0-2
3099.879	8F (3.5)E-3	4S (1.5)0-2
3092.977	12P (0.5)E-1	4S (1.5)0-1
3091.357	6F*(3.5)E-3	4S (1.5)0-2
3091.313	6F*(2.5)E-3	4S (1.5)0-2
3091.295	6F*(2.5)E-2	4S (1.5)0-2
3090.194	12P (0.5)E-0	4S (1.5)0-1
3089.178	10P (0.5)E-1	4S (1.5)0-2
3087.804	10P (2.5)E-3	4S (1.5)0-2
3086.699	10P (1.5)E-1	4S (1.5)0-2
3086.479	10P (1.5)E-2	4S (1.5)0-2
3074.201	13P (0.5)E-0	4S (1.5)0-1
3066.117	9F (1.5)E-1	4S (1.5)0-2
3066.117	9F (1.5)E-2	4S (1.5)0-2
3065.750	9F (2.5)E-3	4S (1.5)0-2
3065.617	9F (3.5)E-3	4S (1.5)0-2
3063.448	8P*(0.5)E-1	4S (1.5)0-2
3062.838	8P*(1.5)E-1	4S (1.5)0-2
3062.074	8P*(1.5)E-2	4S (1.5)0-2
3057.171	11P (0.5)E-1	4S (1.5)0-2
3056.330	11P (1.5)E-1	4S (1.5)0-2
3056.283	11P (1.5)E-2	4S (1.5)0-2
3050.356	9P*(0.5)E-0	4S (1.5)0-1
3035.974	12P (0.5)E-1	4S (1.5)0-2
3015.615	7F*(3.5)E-3	4S (1.5)0-2
3015.605	7F*(2.5)E-3	4S (1.5)0-2

KRYPTON TRANSITIONS BY MULTIPLETS

Upper State	Lower State	λ
6S*(0.5)0-0	5P (0.5)E-1	7180.474
	5P (1.5)E-1	8243.837
6S*(0.5)0-1	5P (0.5)E-1	7152.225
	5P (2.5)E-2	7786.658
	5P (1.5)E-1	8206.623
	5P (1.5)E-2	8315.116
	5P (0.5)E-0	9044.455
7S (1.5)0-2	5P (0.5)E-1	6904.682
	5P (2.5)E-3	7486.865
	5P (2.5)E-2	7494.148
	5P (1.5)E-1	7882.368
	5P (1.5)E-2	7982.404
7S (1.5)0-1	5P (0.5)E-1	6846.404
	5P (2.5)E-2	7425.545
	5P (1.5)E-1	7806.509
	5P (1.5)E-2	7904.617
	5P (0.5)E-0	8560.880
7S*(0.5)0-1	5P (0.5)E-1	5040.325
	5P (2.5)E-2	5347.365
	5P (1.5)E-1	5542.134
	5P (1.5)E-2	5591.402
	5P (0.5)E-0	5911.982
	5P*(1.5)E-1	7456.700
	5P*(1.5)E-2	7656.142
	5P*(0.5)E-1	7640.917
	5P*(0.5)E-0	8229.604
8S (1.5)E-2	5P (0.5)E-1	5827.085
	5P (2.5)E-3	6236.344
	5P (2.5)E-2	6241.397
	5P (1.5)E-1	6508.361
	5P (1.5)E-2	6576.412
	5P*(1.5)E-1	9317.900
	5P*(1.5)E-2	9631.421
	5P*(0.5)E-1	9607.339
8S (1.5)E-1	5P (0.5)E-1	5810.807
	5P (2.5)E-2	6222.726
	5P (1.5)E-1	6488.061
	5P (1.5)E-2	6555.686
	5P (0.5)E-0	7000.772
	5P*(1.5)E-1	9276.346
	5P*(1.5)E-2	9587.031
	5P*(0.5)E-1	9563.170
9S (1.5)E-2	5P (0.5)E-1	5379.647
	5P (2.5)E-3	5726.599
	5P (2.5)E-2	5730.859
	5P (1.5)E-1	5955.151
	5P (1.5)E-2	6012.074
	5P*(1.5)E-1	8224.118
	5P*(1.5)E-2	8467.393
	5P*(0.5)E-1	8448.775
9S (1.5)0-1	5P (0.5)E-1	5371.736
	5P (2.5)E-2	5721.882
	5P (1.5)E-1	5945.458
	5P (1.5)E-2	6002.195
	5P (0.5)E-0	6373.171
	5P*(1.5)E-1	8205.642
	5P*(1.5)E-2	8447.810
	5P*(0.5)E-1	8429.277
	5P*(0.5)E-0	9151.447
10S (1.5)0-2	5P (0.5)E-1	5142.653
	5P (2.5)E-3	5458.812
	5P (2.5)E-2	5462.682
	5P (1.5)E-1	5666.102
	5P (1.5)E-2	5717.609
	5P*(1.5)E-1	7682.859
	5P*(1.5)E-2	7894.754
	5P*(0.5)E-1	7878.567
10S (1.5)0-1	5P (0.5)E-1	5139.837
	5P (2.5)E-2	5459.505
	5P (1.5)E-1	5662.683
	5P (1.5)E-2	5714.128
	5P (0.5)E-0	6049.357
	5P*(1.5)E-1	7676.576
	5P*(1.5)E-2	7888.120
	5P*(0.5)E-1	7871.959
	5P*(0.5)E-0	8498.244
11S (1.5)0-2	5P (0.5)E-1	5002.142
	5P (2.5)E-3	5300.759
	5P (2.5)E-2	5304.409
	5P (1.5)E-1	5496.005
	5P (1.5)E-2	5544.453
	5P*(1.5)E-1	7373.434
	5P*(1.5)E-2	7568.389
	5P*(0.5)E-1	7553.511
11S (1.5)0-1	5P (0.5)E-1	4998.034
	5P (2.5)E-2	5299.789
	5P (1.5)E-1	5491.045
	5P (1.5)E-2	5539.405
	5P (0.5)E-0	5853.883
	5P*(1.5)E-1	7364.510
	5P*(1.5)E-2	7558.987
	5P*(0.5)E-1	7544.146
	5P*(0.5)E-0	8117.456
12S (1.5)0-2	5P (0.5)E-1	4910.392
	5P (2.5)E-3	5197.840
	5P (2.5)E-2	5201.350
	5P (1.5)E-1	5385.444
	5P (1.5)E-2	5431.954
	5P*(1.5)E-1	7175.797
	5P*(1.5)E-2	7360.309
	5P*(0.5)E-1	7346.237

KRYPTON TRANSITIONS BY MULTIPLETS

Upper State	Lower State	λ
12S (1.5)0-1	5P (2.5)E-1	4908.271
	5P (2.5)E-2	5198.969
	5P (1.5)E-1	5382.892
	5P (1.5)E-2	5429.358
	5P (0.5)E-1	5731.124
	5P*(1.5)E-1	7171.267
	5P*(1.5)E-2	7355.544
	5P*(0.5)E-1	7341.490
	5P*(0.5)E-0	7883.307
5P (0.5)E-1	5S (1.5)0-2	8928.692
	5S (1.5)0-1	9751.758
5P (2.5)E-3	5S (1.5)0-2	8112.901
5P (2.5)E-2	5S (1.5)0-2	8104.366
	5S (1.5)0-1	8776.749
5P (1.5)E-1	5S (1.5)0-2	7694.540
	5S (1.5)0-1	8298.108
5P (1.5)E-2	5S (1.5)0-2	7601.546
	5S (1.5)0-1	8190.055
5P (0.5)E-0	5S (1.5)0-1	7587.413
5P*(1.5)E-1	5S (1.5)0-2	5672.452
	5S (1.5)0-1	5993.851
	5S*(0.5)0-0	8059.505
	5S*(0.5)0-1	8508.871
5P*(1.5)E-2	5S (1.5)0-2	5562.226
	5S (1.5)0-1	5870.916
	5S*(0.5)0-1	8263.241
5P*(0.5)E-1	5S (1.5)0-2	5570.290
	5S (1.5)0-1	5879.900
	5S*(0.5)0-0	7854.822
	5S*(0.5)0-1	8281.050
5P*(0.5)E-0	5S (1.5)0-1	5573.118
	5S*(0.5)0-1	7685.246
6P (0.5)E-1	5S (1.5)0-2	4362.643
	5S (1.5)0-1	4550.299
	5S*(0.5)0-0	5649.562
	5S*(0.5)0-1	5866.750
6P (2.5)E-3	5S (1.5)0-2	4319.580
6P (2.5)E-2	5S (1.5)0-2	4318.553
	5S (1.5)0-1	4502.355
	5S*(0.5)0-1	5787.295
6P (1.5)E-1	5S (1.5)0-2	4282.968
	5S (1.5)0-1	4463.690
	5S*(0.5)0-0	5516.666
	5S*(0.5)0-1	5723.569
6P (1.5)E-2	5S (1.5)0-2	4273.970
	5S (1.5)0-1	4453.918
	5S*(0.5)0-1	5707.511

Upper State	Lower State	λ
6P (0.5)E-0	5S (1.5)0-1	4376.122
	5S*(0.5)0-1	5580.386
6P*(1.5)E-1	5S (1.5)0-2	3511.896
	5S (1.5)0-1	3632.490
	5S*(0.5)0-0	4300.488
	5S*(0.5)0-1	4425.191
6P*(1.5)E-2	5S (1.5)0-2	3495.990
	5S (1.5)0-1	3615.476
	5S*(0.5)0-1	4399.967
6P*(0.5)E-1	5S (1.5)0-2	3502.554
	5S (1.5)0-1	3622.496
	5S*(0.5)0-0	4286.488
	5S*(0.5)0-1	4410.369
6P*(0.5)E-0	5S (1.5)0-1	3582.591
	5S*(0.5)0-1	4351.361
6P*(1.5)E-1	4D (0.5)0-0	8569.006
	4D (0.5)0-1	8905.772
	4D (1.5)0-2	9299.349
6P*(1.5)E-2	4D (0.5)0-1	8706.454
	4D (3.5)0-3	9667.126
	4D (1.5)0-2	9188.655
6P*(0.5)E-1	4D (0.5)0-0	8513.601
	4D (0.5)0-1	8747.273
	4D (1.5)0-2	9234.134
6P*(0.5)E-0	4D (0.5)0-1	8518.177
7P (0.5)E-1	5S (1.5)0-2	3698.045
	5S (1.5)0-1	3832.005
	5S*(0.5)0-0	4582.981
	5S*(0.5)0-1	4724.875
7P (2.5)E-3	5S (1.5)0-2	3679.561
7P (2.5)E-2	5S (1.5)0-2	3679.612
	5S (1.5)0-1	3812.216
	5S*(0.5)0-1	4694.825
7P (1.5)E-1	5S (1.5)0-2	3668.737
	5S (1.5)0-1	3800.544
	5S*(0.5)0-0	4538.052
	5S*(0.5)0-1	4677.136
7P (1.5)E-2	5S (1.5)0-2	3665.326
	5S (1.5)0-1	3796.884
	5S*(0.5)0-1	4671.594
7P (0.5)E-0	5S (1.5)0-1	3773.424
	5S*(0.5)0-1	4636.131
7P (0.5)E-1	4D (0.5)0-0	9768.795
7P (2.5)E-2	4D (0.5)0-1	9941.973
7P (1.5)E-1	4D (0.5)0-0	9566.908
	4D (0.5)0-1	9862.983

KRYPTON TRANSITIONS BY MULTIPLETS

Upper State	Lower State	λ
7P (1.5)E-2	4D (0.5)0-1	9838.373
7P (0.5)E-0	4D (0.5)0-1	9582.398
8P (0.5)E-1	5S (1.5)0-2	3434.142
	5S (1.5)0-1	3549.367
	5S*(0.5)0-0	4184.473
	5S*(0.5)0-1	4302.446
8P (2.5)E-3	5S (1.5)0-2	3431.722
8P (2.5)E-2	5S (1.5)0-2	3431.430
	5S (1.5)0-1	3546.471
	5S*(0.5)0-1	4298.192
8P (1.5)E-1	5S (1.5)0-2	3426.265
	5S (1.5)0-1	3540.954
	5S*(0.5)0-0	4172.784
	5S*(0.5)0-1	4290.090
8P (1.5)E-2	5S (1.5)0-2	3424.943
	5S (1.5)0-1	3539.542
	5S*(0.5)0-1	4288.018
8P (0.5)E-0	5S (1.5)0-1	3522.675
	5S*(0.5)0-1	4263.288
8P (0.5)E-1	4D (0.5)0-0	8120.409
	4D (0.5)0-1	8332.727
	4D (1.5)0-2	8775.373
	4D (2.5)0-2	9786.499
8P (2.5)E-3	4D (3.5)0-4	8842.470
	4D (3.5)0-3	9191.170
	4D (1.5)0-2	8757.597
	4D (2.5)0-2	9766.874
	4D (2.5)0-3	9973.409
8P (2.5)E-2	4D (0.5)0-1	8316.783
	4D (3.5)0-3	9189.080
	4D (1.5)0-2	8755.700
	4D (2.5)0-2	9764.514
	4D (2.5)0-3	9970.949
8P (1.5)E-1	4D (0.5)0-0	8076.507
	4D (0.5)0-1	8286.506
	4D (1.5)0-2	8722.149
	4D (2.5)0-2	9722.805
8P (1.5)E-2	4D (0.5)0-1	8278.779
	4D (3.5)0-3	9142.707
	4D (1.5)0-2	8713.588
	4D (2.5)0-2	9712.168
	4D (2.5)0-3	9916.373
8P (0.5)E-0	4D (0.5)0-1	8187.092
9P (0.5)E-1	5S (1.5)0-2	3309.396
	5S (1.5)0-1	3416.272
	5S*(0.5)0-0	4000.721
	5S*(0.5)0-1	4108.428
9P (2.5)E-3	5S (1.5)0-2	3306.169
9P (2.5)E-2	5S (1.5)0-2	3306.137
	5S (1.5)0-1	3412.800
	5S*(0.5)0-1	4103.408
9P (1.5)E-1	5S (1.5)0-2	3303.406
	5S (1.5)0-1	3409.890
	5S*(0.5)0-0	3991.971
	5S*(0.5)0-1	4099.201
9P (1.5)E-2	5S (1.5)0-2	3302.535
	5S (1.5)0-1	3408.962
	5S*(0.5)0-1	4097.860
9P (0.5)E-0	5S (1.5)0-1	3401.387
	5S*(0.5)0-1	4086.919
9P (0.5)E-1	6S (1.5)0-2	9473.203
	6S (1.5)0-1	9719.252
9P (2.5)E-3	6S (1.5)0-2	9446.814
9P (2.5)E-2	6S (1.5)0-2	9446.555
	6S (1.5)0-1	9691.204
9P (1.5)E-1	6S (1.5)0-2	9424.292
	6S (1.5)0-1	9667.774
9P (1.5)E-2	6S (1.5)0-2	9417.207
	6S (1.5)0-1	9660.319
9P (0.5)E-0	6S (1.5)0-1	9599.736
9P (0.5)E-1	4D (0.5)0-0	7455.872
	4D (0.5)0-1	7634.480
	4D (1.5)0-2	8002.740
	4D (1.5)0-1	9490.604
	4D (2.5)0-2	8837.238
9P (2.5)E-3	4D (3.5)0-4	8054.378
	4D (3.5)0-3	8342.678
	4D (1.5)0-2	7983.899
	4D (2.5)0-2	8814.269
	4D (2.5)0-3	8982.135
9P (2.5)E-2	4D (0.5)0-1	7617.163
	4D (3.5)0-3	8342.477
	4D (1.5)0-2	7983.714
	4D (1.5)0-1	9463.858
	4D (2.5)0-2	8814.044
	4D (2.5)0-3	8981.901
9P (1.5)E-1	4D (0.5)0-0	7425.541
	4D (0.5)0-1	7602.682
	4D (1.5)0-2	7967.807
	4D (1.5)0-1	9441.514
	4D (2.5)0-2	8794.659

KRYPTON TRANSITIONS BY MULTIPLETS

Upper State	Lower State	λ
9P (1.5)E-2	4D (0.5)0-1	7598.070
	4D (3.5)0-3	8319.580
	4D (1.5)0-2	7962.742
	4D (1.5)0-1	9434.403
	4D (2.5)0-2	8788.489
	4D (2.5)0-3	8955.365
9P (0.5)E-0	4D (0.5)0-1	7560.542
	4D (1.5)0-1	9376.613
10P (0.5)E-1	5S (1.5)0-2	3235.244
	5S (1.5)0-1	3337.311
	5S*(0.5)0-0	3892.860
	5S*(0.5)0-1	3994.764
10P (1.5)E-2	5S (1.5)0-2	3230.681
	5S (1.5)0-1	3332.456
	5S*(0.5)0-1	3987.810
10P (0.5)E-0	5S (1.5)0-1	3328.000
	5S*(0.5)0-1	3981.430
10P (0.5)E-1	6S (1.5)0-2	8889.969
	6S (1.5)0-1	9106.308
10P (1.5)E-2	6S (1.5)0-2	8855.603
	6S (1.5)0-1	9070.252
10P (0.5)E-0	6S (1.5)0-1	9037.315
10P (0.5)E-1	4D (0.5)0-2	7089.790
	4D (0.5)0-1	7251.099
	4D (1.5)0-2	7582.499
	4D (1.5)0-1	8905.292
	4D (2.5)0-2	8327.577
10P (1.5)E-2	4D (0.5)0-1	7228.220
	4D (3.5)0-3	7878.193
	4D (1.5)0-2	7557.484
	4D (1.5)0-1	8870.807
	4D (2.5)0-2	8297.414
	4D (2.5)0-3	8446.005
10P (0.5)E-0	4D (0.5)0-1	7207.287
	4D (1.5)0-1	8839.301
11P (0.5)E-0	5S (1.5)0-1	3280.594
	5S*(0.5)0-1	3913.771
11P (0.5)E-0	6S (1.5)0-1	8696.089
11P (0.5)E-0	4D (0.5)0-1	6988.590
	4D (1.5)0-1	8512.593
4D*(2.5)0-2	5P (0.5)E-1	8144.970
	5P (2.5)E-3	8967.550
	5P (2.5)E-2	8978.002
	5P (1.5)E-1	9540.950
	5P (1.5)E-2	9687.907
4D*(2.5)0-3	5P (2.5)E-3	8764.112
	5P (2.5)E-2	8774.095
	5P (1.5)E-2	9450.904
4D*(1.5)0-2	5P (0.5)E-1	8263.693
	5P (2.5)E-3	9111.677
	5P (2.5)E-2	9122.467
	5P (1.5)E-1	9704.264
	5P (1.5)E-2	9856.335
4D*(1.5)0-1	5P (0.5)E-1	7287.263
	5P (2.5)E-2	7946.983
	5P (1.5)E-1	8384.906
	5P (1.5)E-2	8498.197
	5P (0.5)E-0	9261.480
5D (0.5)0-0	5P (0.5)E-1	7746.828
	5P (1.5)E-1	8999.176
5D (0.5)0-1	5P (0.5)E-1	7913.425
	5P (2.5)E-2	8697.487
	5P (1.5)E-1	9224.774
	5P (1.5)E-2	9362.082
5D (3.5)0-4	5P (2.5)E-3	8104.018
5D (3.5)0-3	5P (2.5)E-3	7920.447
	5P (2.5)E-2	7928.599
	5P (1.5)E-2	8477.178
5D (1.5)0-2	5P (0.5)E-1	7224.104
	5P (2.5)E-3	7863.894
	5P (2.5)E-2	7871.930
	5P (1.5)E-1	8301.397
	5P (1.5)E-2	8412.428
5D (1.5)0-1	5P (0.5)E-1	6904.207
	5P (2.5)E-2	7493.589
	5P (1.5)E-1	7881.749
	5P (1.5)E-2	7981.770
	5P (0.5)E-0	8651.449
5D (2.5)0-2	5P (0.5)E-1	7143.450
	5P (2.5)E-3	7768.415
	5P (2.5)E-2	7776.257
	5P (1.5)E-1	8195.072
	5P (1.5)E-2	8303.257
5D (2.5)0-3	5P (2.5)E-3	7741.360
	5P (2.5)E-2	7749.147
	5P (1.5)E-2	8272.355
5D*(2.5)0-2	5P (0.5)E-1	5274.588
	5P (2.5)E-3	5607.702
	5P (2.5)E-2	5611.787
	5P (1.5)E-1	5826.681
	5P (1.5)E-2	5881.163
	5P*(1.5)E-1	7981.099
	5P*(1.5)E-2	8210.010
	5P*(0.5)E-1	8192.505

KRYPTON TRANSITIONS BY MULTIPLETS

Upper State	Lower State	λ
5D*(2.5)0-3	5P (2.5)E-3	5871.655
	5P (2.5)E-2	5575.688
	5P (1.5)E-2	5841.527
	5P*(1.5)E-2	8132.974
5D*(1.5)0-2	5P (0.5)E-1	5279.834
	5P (2.5)E-3	5613.631
	5P (2.5)E-2	5617.725
	5P (1.5)E-1	5833.082
	5P (1.5)E-2	5887.685
	5P*(1.5)E-1	7993.115
	5P*(1.5)E-2	8222.726
	5P*(0.5)E-1	8205.166
5D*(1.5)0-1	5P (0.5)E-1	5109.812
	5P (2.5)E-2	5425.641
	5P (1.5)E-1	5626.260
	5P (1.5)E-2	5677.043
	5P (0.5)E-0	6007.808
	5P*(1.5)E-1	7509.792
	5P*(1.5)E-2	7817.622
	5P*(0.5)E-1	7801.749
	5P*(0.5)E-0	8416.475
6D (2.5)0-3	5P (0.5)E-1	6082.853
	5P (1.5)E-1	6829.077
	5P*(1.5)E-1	9989.558
6D (0.5)0-1	5P (0.5)E-1	6056.128
	5P (2.5)E-2	6304.906
	5P (1.5)E-1	6795.412
	5P (1.5)E-2	6869.632
	5P (0.5)E-0	7359.962
	5P*(1.5)E-1	9917.687
6D (3.5)0-4	5P (2.5)E-3	6456.290
6D (3.5)0-3	5P (2.5)E-3	6415.681
	5P (2.5)E-2	6421.028
	5P (1.5)E-2	6776.153
6D (1.5)0-2	5P (0.5)E-1	6012.159
	5P (2.5)E-3	6448.802
	5P (2.5)E-2	6454.205
	5P (1.5)E-1	6740.101
	5P (1.5)E-2	6813.111
	5P*(1.5)E-1	9800.312
6D (1.5)0-1	5P (0.5)E-1	5849.663
	5P (2.5)E-2	6267.307
	5P (1.5)E-1	6536.541
	5P (1.5)E-2	6605.185
	5P (0.5)E-0	7057.250
	5P*(1.5)E-1	9375.767
	5P*(1.5)E-2	9693.261
	5P*(0.5)E-1	9668.869
6D (2.5)0-2	5P (0.5)E-1	5942.151
	5P (2.5)E-3	6368.325
	5P (2.5)E-2	6373.594
	5P (1.5)E-1	6652.239
	5P (1.5)E-2	6723.348
	5P*(1.5)E-1	9615.647
	5P*(1.5)E-2	9949.885
	5P*(0.5)E-1	9924.186

Upper State	Lower State	λ
6D (2.5)0-3	5P (2.5)E-3	6346.681
	5P (2.5)E-2	6351.914
	5P (1.5)E-2	6699.228
	5P*(1.5)E-2	9897.151
7D (0.5)0-0	5P (0.5)E-1	5504.344
	5P (1.5)E-1	6108.334
	5P*(1.5)E-1	8519.156
	5P*(0.5)E-1	8760.458
7D (0.5)0-1	5P (0.5)E-1	5500.710
	5P (2.5)E-2	5868.447
	5P (1.5)E-1	6103.859
	5P (1.5)E-2	6163.674
	5P (0.5)E-0	6555.532
	5P*(1.5)E-1	8510.453
	5P*(1.5)E-2	8771.233
	5P*(0.5)E-1	8751.255
	5P*(0.5)E-0	9532.205
7D (3.5)0-4	5P (2.5)E-3	5832.857
7D (3.5)0-3	5P (2.5)E-3	5820.105
	5P (2.5)E-2	5824.506
	5P (1.5)E-2	6115.219
	5P*(1.5)E-2	8673.432
7D (1.5)0-2	5P (0.5)E-1	5490.924
	5P (2.5)E-3	5852.860
	5P (2.5)E-2	5857.311
	5P (1.5)E-1	6091.812
	5P (1.5)E-2	6151.390
	5P*(1.5)E-1	8487.052
	5P*(1.5)E-2	8746.377
	5P*(0.5)E-1	8726.513
7D (1.5)0-1	5P (0.5)E-1	5398.000
	5P (2.5)E-2	5751.691
	5P (1.5)E-1	5977.648
	5P (1.5)E-2	6035.005
	5P (0.5)E-0	6410.175
	5P*(1.5)E-1	8267.086
	5P*(1.5)E-2	8512.948
	5P*(0.5)E-1	8494.129
	5P*(0.5)E-0	9227.937
7D (2.5)0-2	5P (0.5)E-1	5445.397
	5P (2.5)E-3	5801.162
	5P (2.5)E-2	5805.534
	5P (1.5)E-1	6035.826
	5P (1.5)E-2	6094.309
	5P*(1.5)E-1	8378.776
	5P*(1.5)E-2	8631.428
	5P*(0.5)E-1	8612.082
7D (2.5)0-3	5P (2.5)E-3	5783.890
	5P (2.5)E-2	5788.236
	5P (1.5)E-2	6075.251
	5P*(1.5)E-2	8593.249

Upper State	Lower State	λ
8D (0.5)0-0	5P (0.5)E-1	5215.810
	5P (1.5)E-1	5758.038
	5P*(1.5)E-1	7847.291
	5P*(0.5)E-1	8051.576
8D (0.5)0-1	5P (0.5)E-1	5228.172
	5P (2.5)E-2	5559.276
	5P (1.5)E-1	5770.091
	5P (1.5)E-2	5823.516
	5P (0.5)E-0	6172.093
	5P*(1.5)E-1	7875.306
	5P*(1.5)E-2	8098.104
	5P*(0.5)E-1	8081.072
	5P*(0.5)E-0	8742.469
8D (3.5)0-4	5P (2.5)E-3	5520.519
8D (3.5)0-3	5P (2.5)E-3	5500.085
	5P (2.5)E-2	5504.015
	5P (1.5)E-2	5752.905
	5P*(1.5)E-2	7981.374
8D (1.5)0-2	5P (0.5)E-1	5168.058
	5P (2.5)E-3	5487.445
	5P (2.5)E-2	5491.356
	5P (1.5)E-1	5696.956
	5P (1.5)E-2	5749.029
	5P*(1.5)E-1	7739.698
	5P*(1.5)E-2	7954.7
	5P*(0.5)E-1	7938.349
8D (1.5)0-1	5P (0.5)E-1	5167.719
	5P (2.5)E-2	5490.973
	5P (1.5)E-1	5696.544
	5P (1.5)E-2	5748.609
	5P (0.5)E-0	6086.016
	5P*(1.5)E-1	7738.937
	5P*(1.5)E-2	7953.980
	5P*(0.5)E-1	7937.549
	5P*(0.5)E-0	8574.736
8D (2.5)0-2	5P (0.5)E-1	5172.363
	5P (2.5)E-3	5492.298
	5P (2.5)E-2	5496.217
	5P (1.5)E-1	5702.188
	5P (1.5)E-2	5754.357
	5P*(1.5)E-1	7749.357
	5P*(1.5)E-2	7964.988
	5P*(0.5)E-1	7948.511
8D (2.5)0-3	5P (2.5)E-3	5488.855
	5P (2.5)E-2	5492.768
	5P (1.5)E-2	5750.577
	5P*(1.5)E-2	7957.747
9D (0.5)0-0	5P (0.5)E-1	5058.082
	5P (1.5)E-1	5563.610
	5P*(1.5)E-1	7495.629
	5P*(0.5)E-1	7681.798
9D (3.5)0-4	5P (2.5)E-3	5339.130
9D (3.5)0-3	5P (2.5)E-3	5331.086
	5P (2.5)E-2	5334.778
	5P (1.5)E-2	5577.642
	5P*(1.5)E-2	7630.366
9D (1.5)0-2	5P (0.5)E-1	5029.151
	5P (2.5)E-3	5331.098
	5P (2.5)E-2	5334.790
	5P (1.5)E-1	5528.627
	5P (1.5)E-2	5577.654
	5P*(1.5)E-1	7432.269
	5P*(1.5)E-2	7630.389
	5P*(0.5)E-1	7615.266
9D (1.5)0-1	5P (0.5)E-1	5005.195
	5P (2.5)E-2	5307.842
	5P (1.5)E-1	5499.690
	5P (1.5)E-2	5548.204
	5P (0.5)E-0	5863.709
	5P*(1.5)E-1	7380.070
	5P*(1.5)E-2	7575.380
	5P*(0.5)E-1	7560.474
	5P*(0.5)E-0	8136.364
9D (2.5)0-2	5P (0.5)E-1	5022.990
	5P (2.5)E-3	5324.176
	5P (2.5)E-2	5327.858
	5P (1.5)E-1	5521.182
	5P (1.5)E-2	5570.078
	5P*(1.5)E-1	7418.823
	5P*(1.5)E-2	7616.217
	5P*(0.5)E-1	7601.150
9D (2.5)0-3	5P (2.5)E-3	5322.019
	5P (2.5)E-2	5325.698
	5P (1.5)E-2	5567.717
	5P*(1.5)E-2	7611.804
10D (0.5)0-0	5P (0.5)E-1	4938.381
	5P (1.5)E-1	5419.129
	5P*(1.5)E-1	7235.726
	5P*(0.5)E-1	7409.060
10D (0.5)0-1	5P (0.5)E-1	4934.450
	5P (2.5)E-2	5228.351
	5P (1.5)E-1	5414.395
	5P (1.5)E-2	5461.409
	5P (0.5)E-0	5766.848
	5P*(1.5)E-1	7227.289
	5P*(1.5)E-2	7414.494
	5P*(0.5)E-1	7400.213
	5P*(0.5)E-0	7951.058
10D (3.5)0-4	5P (2.5)E-3	5223.571
10D (3.5)0-3	5P (2.5)E-3	5218.842
	5P (2.5)E-2	5222.380
	5P (1.5)E-2	5454.895
	5P*(1.5)E-2	7402.493

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Upper State	Lower State	λ
10D (1.5)0-2	5P (0.5)E-1	4930.357
	5P (2.5)E-3	5220.216
	5P (2.5)E-2	5223.756
	5P (1.5)E-1	5409.467
	5P (1.5)E-2	5456.395
	5P*(1.5)E-1	7218.511
	5P*(1.5)E-2	7405.256
	5P*(0.5)E-1	7391.012
10D (2.5)0-2	5P (0.5)E-1	4925.023
	5P (2.5)E-3	5214.237
	5P (2.5)E-2	5217.768
	5P (1.5)E-1	5403.047
	5P (1.5)E-2	5449.863
	5P*(1.5)E-1	7207.084
	5P*(1.5)E-2	7393.230
	5P*(0.5)E-1	7379.031
10D (2.5)0-3	5P (2.5)E-3	5212.407
	5P (2.5)E-2	5215.936
	5P (1.5)E-2	5447.865
	5P*(1.5)E-2	7389.552
11D (0.5)0-0	5P (0.5)E-1	4867.242
	5P (1.5)E-1	5333.585
	5P*(1.5)E-1	7084.021
	5P*(0.5)E-1	7250.080
11D (0.5)0-1	5P (0.5)E-1	4864.911
	5P (2.5)E-2	5150.348
	5P (1.5)E-1	5330.787
	5P (1.5)E-2	5376.354
	5P (0.5)E-0	5672.096
	5P*(1.5)E-1	7079.085
	5P*(1.5)E-2	7258.596
	5P*(0.5)E-1	7244.910
	5P*(0.5)E-0	7772.053
11D (3.5)0-4	5P (2.5)E-3	5145.039
11D (3.5)0-3	5P (2.5)E-3	5141.956
	5P (2.5)E-2	5145.391
	5P (1.5)E-2	5370.952
	5P*(1.5)E-2	7248.754
11D (1.5)0-2	5P (0.5)E-1	4861.841
	5P (2.5)E-3	5143.470
	5P (2.5)E-2	5146.906
	5P (1.5)E-1	5327.100
	5P (1.5)E-2	5372.604
	5P*(1.5)E-1	7072.585
	5P*(1.5)E-2	7251.762
	5P*(0.5)E-1	7238.101
11D (2.5)0-3	5P (2.5)E-3	5137.335
	5P (2.5)E-2	5140.763
	5P (1.5)E-2	5365.911
	5P*(1.5)E-2	7239.573
12D (3.5)0-4	5P (2.5)E-3	5089.121
12D (3.5)0-3	5P (2.5)E-3	5086.997
	5P (2.5)E-2	5090.359
	5P (1.5)E-2	5311.018
	5P*(1.5)E-2	7140.010
13D (3.5)0-4	5P (2.5)E-3	5047.740
4F (1.5)E-1	5S (1.5)0-2	3846.144
	5S (1.5)0-1	3991.259
	5S*(0.5)0-1	4812.637
	5S*(0.5)0-1	4969.351
4F (1.5)E-2	5S (1.5)0-2	3845.978
	5S (1.5)0-1	3991.080
	5S*(0.5)0-1	4969.074
4F (2.5)E-3	5S (1.5)0-2	3837.816
4F (2.5)E-2	5S (1.5)0-2	3837.703
	5S (1.5)0-1	3982.170
	5S*(0.5)0-1	4955.270
4F (3.5)E-3	5S (1.5)0-2	3833.911
4F*(3.5)E-3	5S (1.5)0-2	3183.119
4F*(2.5)E-3	5S (1.5)0-2	3182.928
4F*(2.5)E-2	5S (1.5)0-2	3182.838
	5S (1.5)0-1	3281.576
	5S*(0.5)0-1	3915.169
4F*(3.5)E-3	6S (1.5)0-2	8507.189
4F*(2.5)E-3	6S (1.5)0-2	8505.821
4F*(2.5)E-2	6S (1.5)0-2	8505.184
	6S (1.5)0-1	8702.992
4F*(3.5)E-4	4D (3.5)0-4	7361.448
	4D (3.5)0-3	7601.537
	4D (2.5)0-3	8128.835
4F*(3.5)E-3	4D (3.5)0-4	7361.171
	4D (3.5)0-3	7601.242
	4D (1.5)0-2	7302.257
	4D (2.5)0-2	7990.778
	4D (2.5)0-3	8128.498
4F*(2.5)E-3	4D (3.5)0-4	7360.147
	4D (3.5)0-3	7600.150
	4D (1.5)0-2	7301.250
	4D (2.5)0-2	7989.571
	4D (2.5)0-3	8127.249
4F*(2.5)E-2	4D (0.5)0-1	6993.048
	4D (3.5)0-3	7599.641
	4D (1.5)0-2	7300.780
	4D (1.5)0-1	8519.208
	4D (2.5)0-2	7989.009
	4D (2.5)0-3	8126.667

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Upper State	Lower State	λ
5F (1.5)E-1	5S (1.5)0-2	3506.662
	5S (1.5)0-1	3626.890
	5S*(0.5)0-0	4292.642
	5S*(0.5)0-1	4416.884
5F (1.5)E-2	5S (1.5)0-2	3507.846
	5S (1.5)0-1	3628.157
	5S*(0.5)0-1	4418.763
5F (2.5)E-3	5S (1.5)0-2	3503.898
5F (2.5)E-2	5S (1.5)0-2	3503.828
	5S (1.5)0-1	3623.859
	5S*(0.5)0-1	4412.389
5F (3.5)E-3	5S (1.5)0-2	3502.214
5F (1.5)E-1	4D (0.5)0-0	8537.913
	4D (0.5)0-1	8772.940
	4D (1.5)0-2	9262.742
5F (1.5)E-2	4D (0.5)0-1	8780.356
	4D (3.5)0-3	9758.323
	4D (1.5)0-2	9271.010
5F (4.5)E-5	4D (3.5)0-4	9352.341
5F (4.5)E-4	4D (3.5)0-4	9352.211
	4D (3.5)0-3	9743.160
5F (2.5)E-3	4D (3.5)0-4	9338.089
	4D (3.5)0-3	9727.834
	4D (1.5)0-2	9243.486
5F (2.5)E-2	4D (0.5)0-1	8755.224
	4D (3.5)0-3	9727.290
	4D (1.5)0-2	9242.994
5F (3.5)E-3	4D (3.5)0-4	9326.134
	4D (3.5)0-3	9714.861
	4D (1.5)0-2	9231.771
5F (3.5)E-4	4D (3.5)0-4	9326.134
	4D (3.5)0-3	9714.861
6F (1.5)E-1	5S (1.5)0-2	3347.509
	5S (1.5)0-1	3456.902
	5S*(0.5)0-0	4056.555
	5S*(0.5)0-1	4167.331
6F (1.5)E-2	5S (1.5)0-2	3347.440
	5S (1.5)0-1	3456.828
	5S*(0.5)0-1	4167.223
6F (2.5)E-3	5S (1.5)0-2	3345.709
6F (2.5)E-2	5S (1.5)0-2	3345.648
	5S (1.5)0-1	3454.918
	5S*(0.5)0-1	4164.447
6F (3.5)E-3	5S (1.5)0-2	3344.801

Upper State	Lower State	λ
6F (1.5)E-1	6S (1.5)0-2	9792.337
6F (1.5)E-2	6S (1.5)0-2	9791.743
6F (2.5)E-3	6S (1.5)0-2	9776.948
6F (2.5)E-2	6S (1.5)0-2	9776.432
6F (3.5)E-3	6S (1.5)0-2	9769.199
6F (1.5)E-1	4D (0.5)0-0	7652.151
	4D (0.5)0-1	7840.405
	4D (1.5)0-2	8229.305
	4D (1.5)0-1	9810.931
	4D (2.5)0-2	9114.335
6F (1.5)E-2	4D (0.5)0-1	7840.024
	4D (3.5)0-3	8610.547
	4D (1.5)0-2	8228.885
	4D (1.5)0-1	9810.335
	4D (2.5)0-2	9113.820
	4D (2.5)0-3	9293.406
6F (4.5)E-5	4D (3.5)0-4	8299.475
6F (4.5)E-4	4D (3.5)0-4	8299.399
	4D (3.5)0-3	8605.839
	4D (2.5)0-3	9287.923
6F (2.5)E-3	4D (3.5)0-4	8293.134
	4D (3.5)0-3	8599.104
	4D (1.5)0-2	8218.434
	4D (2.5)0-2	9101.002
	4D (2.5)0-3	9280.078
6F (2.5)E-2	4D (0.5)0-1	7830.205
	4D (3.5)0-3	8598.704
	4D (1.5)0-2	8218.069
	4D (1.5)0-1	9794.966
	4D (2.5)0-2	9100.554
	4D (2.5)0-3	9279.613
6F (3.5)E-3	4D (3.5)0-4	8287.558
	4D (3.5)0-3	8593.109
	4D (1.5)0-2	8212.958
	4D (2.5)0-2	9094.287
	4D (2.5)0-3	9273.096
6F (3.5)E-4	4D (3.5)0-4	8287.558
	4D (3.5)0-3	8593.109
	4D (2.5)0-3	9273.096
7F (1.5)E-1	5S (1.5)0-2	3258.123
	5S (1.5)0-1	3361.662
	5S*(0.5)0-0	3926.032
	5S*(0.5)0-1	4029.703
7F (1.5)E-2	5S (1.5)0-2	3258.063
	5S (1.5)0-1	3361.599
	5S*(0.5)0-1	4029.612
7F (2.5)E-3	5S (1.5)0-2	3257.698

Upper State	Lower State	λ
7F (2.5)E-2	5S (1.5)0-2	3257.329
	5S (1.5)0-1	3060.498
	5S*(0.5)0-1	4028.031
7F (3.5)E-3	5S (1.5)0-2	3256.507
7F (1.5)E-1	6S (1.5)0-2	9064.873
	6S (1.5)0-1	9289.916
7F (1.5)E-2	6S (1.5)0-2	9064.413
	6S (1.5)0-1	9289.433
7F (2.5)E-3	6S (1.5)0-2	9061.587
7F (2.5)E-2	6S (1.5)0-2	9056.415
	6S (1.5)0-1	9281.033
7F (3.5)E-3	6S (1.5)0-2	9052.381
7F (1.5)E-1	4D (0.5)0-0	7200.590
	4D (0.5)0-1	7367.041
	4D (1.5)0-2	7709.373
	4D (1.5)0-1	9080.806
	4D (2.5)0-2	8480.862
7F (1.5)E-2	4D (0.5)0-1	7366.737
	4D (3.5)0-3	8043.025
	4D (1.5)0-2	7709.040
	4D (1.5)0-1	9080.344
	4D (2.5)0-2	8480.459
	4D (2.5)0-3	8635.739
7F (4.5)E-4	4D (3.5)0-4	7772.379
	4D (3.5)0-3	8040.508
	4D (2.5)0-3	8632.838
7F (4.5)E-5	4D (3.5)0-4	7772.379
7F (2.5)E-3	4D (3.5)0-4	7772.651
	4D (3.5)0-3	8040.800
	4D (1.5)0-2	7706.996
	4D (2.5)0-2	8477.985
	4D (2.5)0-3	8633.173
7F (2.5)E-2	4D (0.5)0-1	7361.453
	4D (3.5)0-3	8036.727
	4D (1.5)0-2	7703.255
	4D (1.5)0-1	9072.318
	4D (2.5)0-2	8473.458
	4D (2.5)0-3	8628.479
7F (3.5)E-3	4D (3.5)0-4	7765.877
	4D (3.5)0-3	8033.550
	4D (1.5)0-2	7700.335
	4D (2.5)0-2	8469.926
	4D (2.5)0-3	8624.817
7F (3.5)E-4	4D (3.5)0-4	7765.877
	4D (3.5)0-3	8033.550
	4D (2.5)0-3	8624.817

Upper State	Lower State	λ
9F (1.5)E-1	5S (1.5)0-2	3202.687
	5S (1.5)0-1	3002.679
	5S*(0.5)0-1	3845.819
	5S*(0.5)0-1	3945.244
9F (2.5)E-3	5S (1.5)0-2	3202.059
9F (2.5)E-2	5S (1.5)0-2	3202.025
	5S (1.5)0-1	3301.975
	5S*(0.5)0-1	3944.240
9F (1.5)E-1	6S (1.5)0-2	8648.401
	6S (1.5)0-1	8853.007
9F (2.5)E-3	6S (1.5)0-2	8643.825
9F (2.5)E-2	6S (1.5)0-2	8643.578
	6S (1.5)0-1	8847.953
9F (1.5)E-1	4D (0.5)0-0	6935.299
	4D (0.5)0-1	7089.579
	4D (1.5)0-2	7406.057
	4D (1.5)0-1	8662.902
	4D (2.5)0-2	8115.241
9F (4.5)E-4	4D (3.5)0-4	7465.014
	4D (3.5)0-3	7712.020
	4D (2.5)0-3	8255.304
9F (4.5)E-5	4D (3.5)0-4	7465.014
9F (2.5)E-3	4D (3.5)0-4	7463.253
	4D (3.5)0-3	7710.140
	4D (1.5)0-2	7402.701
	4D (2.5)0-2	8111.212
	4D (2.5)0-3	8253.151
9F (2.5)E-2	4D (0.5)0-1	7086.337
	4D (3.5)0-3	7709.944
	4D (1.5)0-2	7402.520
	4D (1.5)0-1	8658.063
	4D (2.5)0-2	8110.994
	4D (2.5)0-3	8252.926
9F (1.5)E-1	5S (1.5)0-2	3165.772
	5S (1.5)0-1	3263.437
	5S*(0.5)0-3	3792.714
	5S*(0.5)0-1	3889.378
9F (2.5)E-3	5S (1.5)0-2	3165.245
9F (1.5)E-1	6S (1.5)0-2	8384.407
	6S (1.5)0-1	8576.574
9F (2.5)E-3	6S (1.5)0-2	8380.710

KRYPTON TRANSITIONS BY MULTIPLETS

Upper State	Lower State	λ
9F (1.5)E-1	4D (0.5)0-0	6764.499
	4D (0.5)0-1	6911.193
	4D (1.5)0-2	7211.608
	4D (1.5)0-1	8398.035
	4D (2.5)0-2	7882.355
9F (4.5)E-5	4D (3.5)0-4	7268.079
9F (2.5)E-3	4D (3.5)0-4	7266.284
	4D (3.5)0-3	7500.107
	4D (1.5)0-2	7208.873
	4D (2.5)0-2	7879.087
	4D (2.5)0-3	8012.952
10F (1.5)E-1	5S (1.5)0-2	3140.008
	5S (1.5)0-1	3236.065
	5S*(0.5)0-0	3755.795
	5S*(0.5)0-1	3850.562
10F (2.5)E-3	5S (1.5)0-2	3139.633
10F (1.5)E-1	6S (1.5)0-2	8206.088
	6S (1.5)0-1	8390.078
10F (2.5)E-3	6S (1.5)0-2	8203.529
10F (1.5)E-1	4D (0.5)0-0	6647.948
	4D (0.5)0-1	6789.578
	4D (1.5)0-2	7079.292
	4D (1.5)0-1	8219.142
	4D (2.5)0-2	7724.551
10F (4.5)E-5	4D (3.5)0-4	7133.682
10F (2.5)E-3	4D (3.5)0-4	7132.715
	4D (3.5)0-3	7357.888
	4D (1.5)0-2	7077.388
	4D (2.5)0-2	7722.283
	4D (2.5)0-3	7850.829

KRYPTON TRANSITIONS BY WAVELENGTHS

λ	Upper State	Lower State
9989.559	6D (0.5)0-0	5P*(1.5)E-1
9973.409	8P (2.5)E-3	4D (2.5)0-3
9970.949	8P (2.5)E-2	4D (2.5)0-3
9949.885	6D (2.5)0-2	5P*(1.5)E-2
9941.973	7P (2.5)E-2	4D (0.5)0-1
9924.186	6D (2.5)0-2	5P*(0.5)E-1
9917.687	6D (0.5)0-1	5P*(1.5)E-1
9916.373	8P (1.5)E-2	4D (2.5)0-3
9897.151	6D (2.5)0-3	5P*(1.5)E-2
9862.983	7P (1.5)E-1	4D (0.5)0-1
9856.335	4D*(1.5)0-2	5P (1.5)E-2
9838.373	7P (1.5)E-2	4D (0.5)0-1
9810.931	6F (1.5)E-1	4D (1.5)0-1
9810.335	6F (1.5)E-2	4D (1.5)0-1
9800.312	6D (1.5)0-2	5P*(1.5)E-1
9794.966	6F (2.5)E-2	4D (1.5)0-1
9792.337	6F (1.5)E-1	6S (1.5)0-2
9791.743	6F (1.5)E-2	6S (1.5)0-2
9786.499	8P (0.5)E-1	4D (2.5)0-2
9776.948	6F (2.5)E-3	6S (1.5)0-2
9776.432	6F (2.5)E-2	6S (1.5)0-2
9769.199	6F (3.5)E-3	6S (1.5)0-2
9768.795	7P (0.5)E-1	4D (0.5)0-0
9766.874	8P (2.5)E-3	4D (2.5)0-2
9764.514	8P (2.5)E-2	4D (2.5)0-2
9758.323	5F (1.5)E-2	4D (3.5)0-3
9751.758	5P (0.5)E-1	5S (1.5)0-1
9743.160	5F (4.5)E-4	4D (3.5)0-3
9727.834	5F (2.5)E-3	4D (3.5)0-3
9727.290	5F (2.5)E-2	4D (3.5)0-3
9722.805	8P (1.5)E-1	4D (2.5)0-2
9719.252	9P (0.5)E-1	6S (1.5)0-1
9714.861	5F (3.5)E-4	4D (3.5)0-3
9714.861	5F (3.5)E-3	4D (3.5)0-3
9712.168	8P (1.5)E-2	4D (2.5)0-2
9704.264	4D*(1.5)0-2	5P (1.5)E-1
9693.261	6D (1.5)0-1	5P*(1.5)E-2
9691.204	9P (2.5)E-2	6S (1.5)0-1
9687.907	4D*(2.5)0-2	5P (1.5)E-2
9682.399	7P (0.5)E-0	4D (0.5)0-1
9668.869	6D (1.5)0-1	5P*(0.5)E-1
9667.774	9P (1.5)E-1	6S (1.5)0-1
9667.126	6P*(1.5)E-2	4D (3.5)0-3
9660.319	9P (1.5)E-2	6S (1.5)0-1
9631.421	8S (1.5)E-2	5P*(1.5)E-2
9615.647	6D (2.5)0-2	5P*(1.5)E-1
9607.339	8S (1.5)E-2	5P*(0.5)E-1
9599.736	9P (0.5)E-0	6S (1.5)0-1
9587.031	8S (1.5)E-1	5P*(1.5)E-2
9566.908	7P (1.5)E-1	4D (0.5)0-0
9563.170	8S (1.5)E-1	5P*(0.5)E-1
9540.950	4D*(2.5)0-2	5P (1.5)E-1
9532.205	7D (0.5)0-1	5P*(0.5)E-0
9490.604	9P (0.5)E-1	4D (1.5)0-1
9473.203	9P (0.5)E-1	6S (1.5)0-2
9463.858	9P (2.5)E-2	4D (1.5)0-1
9450.904	4D*(2.5)0-3	5P (1.5)E-2
9446.814	9P (2.5)E-3	6S (1.5)0-2
9446.555	9P (2.5)E-2	6S (1.5)0-2
9441.514	9P (1.5)E-1	4D (1.5)0-1
9434.403	9P (1.5)E-2	4D (1.5)0-1
9424.292	9P (1.5)E-1	6S (1.5)0-2
9417.207	9P (1.5)E-2	6S (1.5)0-2
9376.613	9P (0.5)E-0	4D (1.5)0-1
9375.767	6D (1.5)0-1	5P*(1.5)E-1
9362.082	5D (0.5)0-1	5P (1.5)E-2
9352.341	5F (4.5)E-5	4D (3.5)0-4
9352.211	5F (4.5)E-4	4D (3.5)0-4
9338.089	5F (2.5)E-3	4D (3.5)0-4
9326.134	5F (3.5)E-4	4D (3.5)0-4
9326.134	5F (3.5)E-3	4D (3.5)0-4
9317.900	8S (1.5)E-2	5P*(1.5)E-1
9299.349	6P*(1.5)E-1	4D (1.5)0-2
9293.406	6F (1.5)E-2	4D (2.5)0-3
9289.916	7F (1.5)E-1	6S (1.5)0-1
9289.433	7F (1.5)E-2	6S (1.5)0-1
9287.923	6F (4.5)E-4	4D (2.5)0-3
9281.033	7F (2.5)E-2	6S (1.5)0-1
9280.078	6F (2.5)E-3	4D (2.5)0-3
9279.613	6F (2.5)E-2	4D (2.5)0-3
9276.346	8S (1.5)E-1	5P*(1.5)E-1
9273.096	6F (3.5)E-3	4D (2.5)0-3
9273.096	6F (3.5)E-4	4D (2.5)0-3
9271.010	5F (1.5)E-2	4D (1.5)0-2
9262.742	5F (1.5)E-1	4D (1.5)0-2
9261.480	4D*(1.5)0-1	5P (0.5)E-0
9243.486	5F (2.5)E-3	4D (1.5)0-2
9242.994	5F (2.5)E-2	4D (1.5)0-2
9234.134	6P*(0.5)E-1	4D (1.5)0-2
9231.771	5F (3.5)E-3	4D (1.5)0-2
9227.937	7D (1.5)0-1	5P*(0.5)E-0
9224.774	5D (0.5)0-1	5P (1.5)E-1
9191.170	8P (2.5)E-3	4D (3.5)0-3
9189.080	8P (2.5)E-2	4D (3.5)0-3
9188.655	6P*(1.5)E-2	4D (1.5)0-2
9151.447	9S (1.5)0-1	5P*(0.5)E-0
9142.707	8P (1.5)E-2	4D (3.5)0-3
9122.467	4D*(1.5)0-2	5P (2.5)E-2
9114.335	6F (1.5)E-1	4D (2.5)0-2
9113.820	6F (1.5)E-2	4D (2.5)0-2
9111.677	4D*(1.5)0-2	5P (2.5)E-3
9106.308	10P (0.5)E-1	6S (1.5)0-1
9101.002	6F (2.5)E-3	4D (2.5)0-2
9100.554	6F (2.5)E-2	4D (2.5)0-2
9094.287	6F (3.5)E-3	4D (2.5)0-2
9080.806	7F (1.5)E-1	4D (1.5)0-1
9080.344	7F (1.5)E-2	4D (1.5)0-1
9072.318	7F (2.5)E-2	4D (1.5)0-1
9070.252	10P (1.5)E-2	6S (1.5)0-1
9064.873	7F (1.5)E-1	6S (1.5)0-2
9064.413	7F (1.5)E-2	6S (1.5)0-2
9061.587	7F (2.5)E-3	6S (1.5)0-2
9056.415	7F (2.5)E-2	6S (1.5)0-2
9052.381	7F (3.3)E-3	6S (1.5)0-2
9044.455	6S*(0.5)0-1	5P (0.5)E-0
9037.315	10P (0.5)E-0	6S (1.5)0-1
8999.176	5D (0.5)0-0	5P (1.5)E-1
8982.135	9P (2.5)E-3	4D (2.5)0-3
8981.901	9P (2.5)E-2	4D (2.5)0-3
8978.002	4D*(2.5)0-2	5P (2.5)E-2

KRYPTON TRANSITIONS BY WAVELENGTHS

λ	Upper State	Lower State	λ	Upper State	Lower State
8967.550	4D*(2.5)0-2	5P (2.5)E-3	8593.109	6F (3.5)E-3	4D (3.5)0-3
8955.365	9P (1.5)E-2	4D (2.5)0-3	8576.574	9F (1.5)E-1	6S (1.5)0-1
8928.692	5P (0.5)E-1	5S (1.5)0-2	8574.736	8D (1.5)0-1	5P*(0.5)E-0
8905.292	10P (0.5)E-1	4D (1.5)0-1	8569.006	6P*(1.5)E-1	4D (0.5)0-0
8889.969	10P (0.5)E-1	6S (1.5)0-2	8560.880	7S (1.5)0-1	5P (0.5)E-0
8870.807	10P (1.5)E-2	4D (1.5)0-1	8537.913	5F (1.5)E-1	4D (0.5)0-0
8855.603	10P (1.5)E-2	6S (1.5)0-2	8519.208	4F*(2.5)E-2	4D (1.5)0-1
8853.007	8F (1.5)E-1	6S (1.5)0-1	8519.156	7D (0.5)0-0	5P*(1.5)E-1
8847.953	8F (2.5)E-2	6S (1.5)0-1	8518.177	6P*(0.5)E-0	4D (0.5)0-1
8842.470	8P (2.5)E-3	4D (3.5)0-4	8513.601	6P*(0.5)E-1	4D (0.5)0-0
8839.301	10P (0.5)E-0	4D (1.5)0-1	8512.948	7D (1.5)0-1	5P*(1.5)E-2
8837.238	9P (0.5)E-1	4D (2.5)0-2	8512.593	11P (0.5)E-0	4D (1.5)0-1
8814.269	9P (2.5)E-3	4D (2.5)0-2	8510.453	7D (0.5)0-1	5P*(1.5)E-1
8814.044	9P (2.5)E-2	4D (2.5)0-2	8508.871	5P*(1.5)E-1	5S*(0.5)0-1
8805.772	6P*(1.5)E-1	4D (0.5)0-1	8507.189	4F*(3.5)E-3	6S (1.5)0-2
8794.659	9P (1.5)E-1	4D (2.5)0-2	8505.821	4F*(2.5)E-3	6S (1.5)0-2
8788.489	9P (1.5)E-2	4D (2.5)0-2	8505.194	4F*(2.5)E-2	6S (1.5)0-2
8780.356	5F (1.5)E-2	4D (0.5)0-1	8498.244	10S (1.5)0-1	5P*(0.5)E-0
8776.749	5P (2.5)E-2	5S (1.5)0-1	8498.197	4D*(1.5)0-1	5P (1.5)E-2
8774.095	4D*(2.5)0-3	5P (2.5)E-2	8494.129	7D (1.5)0-1	5P*(0.5)E-1
8773.373	8P (0.5)E-1	4D (1.5)0-2	8487.052	7D (1.5)0-2	5P*(1.5)E-1
8772.940	5F (1.5)E-1	4D (0.5)0-1	8480.862	7F (1.5)E-1	4D (2.5)0-2
8771.233	7D (0.5)0-1	5P*(1.5)E-2	8480.459	7F (1.5)E-2	4D (2.5)0-2
8764.112	4D*(2.5)0-3	5P (2.5)E-3	8477.985	7F (2.5)E-3	4D (2.5)0-2
8760.458	7D (0.5)0-0	5P*(0.5)E-1	8477.178	5D (3.5)0-3	5P (1.5)E-2
8757.597	8P (2.5)E-3	4D (1.5)0-2	8473.458	7F (2.5)E-2	4D (2.5)0-2
8755.700	8P (2.5)E-2	4D (1.5)0-2	8469.926	7F (3.5)E-3	4D (2.5)0-2
8755.224	5F (2.5)E-2	4D (0.5)0-1	8467.393	9S (1.5)E-2	5P*(1.5)E-2
8751.255	7D (0.5)0-1	5P*(0.5)E-1	8448.775	9S (1.5)E-2	5P*(0.5)E-1
8747.273	6P*(0.5)E-1	4D (0.5)0-1	8447.810	9S (1.5)0-1	5P*(1.5)E-2
8746.377	7D (1.5)0-2	5P*(1.5)E-2	8446.005	10P (1.5)E-2	4D (2.5)0-3
8742.469	8D (0.5)0-1	5P*(0.5)E-0	8429.277	9S (1.5)0-1	5P*(0.5)E-1
8726.513	7D (1.5)0-2	5P*(0.5)E-1	8416.475	5D*(1.5)0-1	5P*(0.5)E-0
8722.149	8P (1.5)E-1	4D (1.5)0-2	8412.428	5D (1.5)0-2	5P (1.5)E-2
8713.588	8P (1.5)E-2	4D (1.5)0-2	8398.035	9F (1.5)E-1	4D (1.5)0-1
8706.454	6P*(1.5)E-2	4D (0.5)0-1	8390.078	10F (1.5)E-1	6S (1.5)0-1
8702.992	4F*(2.5)E-2	6S (1.5)0-1	8384.906	4D*(1.5)0-1	5P (1.5)E-1
8697.487	5D (0.5)0-1	5P (2.5)E-2	8384.407	9F (1.5)E-1	6S (1.5)0-2
8696.089	11P (0.5)E-0	6S (1.5)0-1	8380.710	9F (2.5)E-3	6S (1.5)0-2
8673.432	7D (3.5)0-3	5P*(1.5)E-2	8378.776	7D (2.5)0-2	5P*(1.5)E-1
8662.902	8F (1.5)E-1	4D (1.5)0-1	8342.678	9P (2.5)E-3	4D (3.5)0-3
8658.063	8F (2.5)E-2	4D (1.5)0-1	8342.477	9P (2.5)E-2	4D (3.5)0-3
8651.449	5D (1.5)0-1	5P (0.5)E-0	8332.727	8P (0.5)E-1	4D (0.5)0-1
8648.401	8F (1.5)E-1	6S (1.5)0-2	8327.577	10P (0.5)E-1	4D (2.5)0-2
8643.825	8F (2.5)E-3	6S (1.5)0-2	8319.580	9P (1.5)E-2	4D (3.5)0-3
8643.578	8F (2.5)E-2	6S (1.5)0-2	8316.783	8P (2.5)E-2	4D (0.5)0-1
8635.739	7F (1.5)E-2	4D (2.5)0-3	8315.116	6S*(0.5)0-1	5P (1.5)E-2
8633.173	7F (2.5)E-3	4D (2.5)0-3	8303.257	5D (2.5)0-2	5P (1.5)E-2
8632.838	7F (4.5)E-4	4D (2.5)0-3	8301.397	5D (1.5)0-2	5P (1.5)E-1
8631.428	7D (2.5)0-2	5P*(1.5)E-2	8299.475	6F (4.5)E-3	4D (3.5)0-4
8628.479	7F (2.5)E-2	4D (2.5)0-3	8299.399	6F (4.5)E-4	4D (3.5)0-4
8624.817	7F (3.5)E-4	4D (2.5)0-3	8298.108	5P (1.5)E-1	5S (1.5)0-1
8624.817	7F (3.5)E-3	4D (2.5)0-3	8297.414	10P (1.5)E-2	4D (2.5)0-2
8612.082	7D (2.5)0-2	5P*(0.5)E-1	8293.134	6F (2.5)E-3	4D (3.5)0-4
8610.547	6F (1.5)E-2	4D (3.5)0-3	8287.558	6F (3.5)E-4	4D (3.5)0-4
8605.839	6F (4.5)E-4	4D (3.5)0-3	8287.558	6F (3.5)E-3	4D (3.5)0-4
8599.104	6F (2.5)E-3	4D (3.5)0-3	8286.506	8P (1.5)E-1	4D (0.5)0-1
8598.704	6F (2.5)E-2	4D (3.5)0-3	8281.050	5P*(0.5)E-1	5S*(0.5)0-1
8593.249	7D (2.5)0-3	5P*(1.5)E-2	8278.779	8P (1.5)E-2	4D (0.5)0-1
8593.109	6F (3.5)E-4	4D (3.5)0-3	8272.355	5D (2.5)0-3	5P (1.5)E-2

λ	Upper State	Lower State
8267.086	7D (1.5)0-1	5P*(1.5)E-1
8263.693	4D*(1.5)0-2	3P (0.5)E-1
8257.241	5P*(1.5)E-2	3S*(0.5)0-1
8255.304	8F (4.5)E-4	4D (2.5)0-3
8253.151	8F (2.5)E-3	4D (2.5)0-3
8252.925	8F (2.5)E-2	4D (2.5)0-3
8240.837	6S*(0.5)0-2	5P (1.5)E-1
8229.604	7S*(0.5)0-1	5P*(0.5)E-0
8229.305	6F (1.5)E-1	4D (1.5)0-2
8228.885	6F (1.5)E-2	4D (1.5)0-2
8224.118	9S (1.5)E-2	5P*(1.5)E-1
8222.726	5D*(1.5)0-2	5P*(1.5)E-2
8219.142	10F (1.5)E-1	4D (1.5)0-1
8218.434	6F (2.5)E-3	4D (1.5)0-2
8218.069	6F (2.5)E-2	4D (1.5)0-2
8212.958	6F (3.5)E-3	4D (1.5)0-2
8210.010	5D*(2.5)0-2	5P*(1.5)E-2
8206.623	6S*(0.5)0-1	5P (1.5)E-1
8206.088	10F (1.5)E-1	6S (1.5)0-2
8205.642	9S (1.5)0-1	5P*(1.5)E-1
8205.166	5D*(1.5)0-2	5P*(0.5)E-1
8203.529	10F (2.5)E-3	6S (1.5)0-2
8195.072	5D (2.5)0-2	5P (1.5)E-1
8192.505	5D*(2.5)0-2	3P*(0.5)E-1
8190.055	5P (1.5)E-2	5S (1.5)0-1
8187.092	8P (0.5)E-3	4D (0.5)0-1
8144.970	4D*(2.5)0-2	5P (0.5)E-1
8136.364	9D (1.5)0-1	3P*(0.5)E-0
8132.974	5D*(2.5)0-3	5P*(1.5)E-2
8128.835	4F*(3.5)E-4	4D (2.5)0-3
8128.498	4F*(3.5)E-3	4D (2.5)0-3
8127.249	4F*(2.5)E-3	4D (2.5)0-3
8126.667	4F*(2.5)E-2	4D (2.5)0-3
8120.409	8P (0.5)E-1	4D (0.5)0-0
8117.456	11S (1.5)0-1	5P*(0.5)E-0
8115.241	8F (1.5)E-1	4D (2.5)0-2
8112.901	5P (2.5)E-3	5S (1.5)0-2
8111.212	8F (2.5)E-3	4D (2.5)0-2
8110.994	8F (2.5)E-2	4D (2.5)0-2
8104.366	5P (2.5)E-2	5S (1.5)0-2
8104.018	5D (3.5)0-4	5P (2.5)E-3
8098.104	8D (0.5)0-1	5P*(1.5)E-2
8081.072	8D (0.5)0-1	5P*(0.5)E-1
8076.507	8P (1.5)E-1	4D (0.5)0-0
8059.505	5P*(1.5)E-1	5S*(0.5)0-0
8054.378	9P (2.5)E-3	4D (3.5)0-4
8051.576	8D (0.5)0-2	5P*(0.5)E-1
8043.025	7F (1.5)E-2	4D (3.5)0-3
8040.800	7F (2.5)E-3	4D (3.5)0-3
8040.508	7F (4.5)E-4	4D (3.5)0-3
8036.727	7F (2.5)E-2	4D (3.5)0-3
8033.550	7F (3.5)E-3	4D (3.5)0-3
8033.553	7F (3.5)E-4	4D (3.5)0-3
8012.952	9F (2.5)E-3	4D (2.5)0-3
8002.740	9P (0.5)E-1	4D (1.5)0-2
7993.115	5D*(1.5)0-2	5P*(1.5)E-1
7990.778	4F*(3.5)E-3	4D (2.5)0-2
7989.571	4F*(2.5)E-3	4D (2.5)0-2
7989.009	4F*(2.5)E-2	4D (2.5)0-2
7983.899	9P (2.5)E-3	4D (1.5)0-2
7983.714	9P (2.5)E-2	4D (1.5)0-2
7962.404	7S (1.5)0-2	3P (1.5)E-2
7961.771	5D (1.5)0-1	5P (1.5)E-2
7961.374	8D (2.5)0-3	5P*(1.5)E-2
7961.099	5D*(2.5)0-2	5P*(1.5)E-1
7957.807	9P (1.5)E-1	4D (1.5)0-2
7954.988	8D (2.5)0-2	5P*(1.5)E-2
7952.742	9P (1.5)E-2	4D (1.5)0-2
7947.747	8D (2.5)0-3	5P*(1.5)E-2
7944.794	8D (1.5)0-2	5P*(1.5)E-2
7943.980	8D (1.5)0-1	5P*(1.5)E-2
7941.058	10D (0.5)0-1	5P*(0.5)E-0
7938.511	8D (2.5)0-2	5P*(0.5)E-1
7936.983	4D*(1.5)0-1	5P (2.5)E-2
7938.349	8D (1.5)0-2	5P*(0.5)E-1
7937.549	8D (1.5)0-1	5P*(0.5)E-1
7928.599	5D (3.5)0-3	5P (2.5)E-2
7920.447	5D (3.5)0-3	5P (2.5)E-3
7913.425	5D (0.5)0-1	5P (0.5)E-1
7904.617	7S (1.5)0-1	5P (1.5)E-2
7894.754	10S (1.5)0-2	5P*(1.5)E-2
7888.120	10S (1.5)0-1	5P*(1.5)E-2
7883.307	12S (1.5)0-1	5P*(0.5)E+0
7882.368	7S (1.5)0-2	5P (1.5)E-1
7882.355	9F (1.5)E-1	4D (2.5)0-2
7881.749	5D (1.5)0-1	5P (1.5)E-1
7879.037	9F (2.5)E-3	4D (2.5)0-2
7878.567	10S (1.5)0-2	5P*(0.5)E-1
7878.193	10P (1.5)E-2	4D (3.5)0-3
7875.306	8D (0.5)0-1	5P*(1.5)E-1
7871.959	10S (1.5)0-1	5P*(0.5)E-1
7871.930	5D (1.5)0-2	5P (2.5)E-2
7863.894	5D (1.5)0-2	5P (2.5)E-3
7854.822	5P*(0.5)E-1	3S*(0.5)0-0
7850.829	10F (2.5)E-3	4D (2.5)0-3
7847.291	8D (0.5)0-3	5P*(1.5)E-1
7840.405	6F (1.5)E-1	4D (0.5)0-1
7840.024	6F (1.5)E-2	4D (0.5)0-1
7830.205	6F (2.5)E-2	4D (0.5)0-1
7817.622	5D*(1.5)0-1	5P*(1.5)E-2
7806.509	7S (1.5)0-1	5P (1.5)E-1
7801.749	5D*(1.5)0-1	5P*(0.5)E-1
7786.658	6S*(0.5)0-1	5P (2.5)E-2
7776.257	5D (2.5)0-2	5P (2.5)E-2
7772.651	7F (2.5)E-3	4D (3.5)0-4
7772.379	7F (4.5)E-5	4D (3.5)0-4
7772.379	7F (4.5)E-4	4D (3.5)0-4
7772.053	11D (0.5)0-1	5P*(0.5)E-0
7768.415	5D (2.5)0-2	5P (2.5)E-3
7765.877	7F (3.5)E-3	4D (3.5)0-4
7765.877	7F (3.5)E-4	4D (3.5)0-4
7749.357	8D (2.5)0-2	5P*(1.5)E-1
7749.147	5D (2.5)0-3	5P (2.5)E-2
7746.828	5D (0.5)0-3	5P (0.5)E-1
7741.360	5D (2.5)0-3	5P (2.5)E-3
7739.698	8D (1.5)0-2	5P*(1.5)E-1
7738.937	8D (1.5)0-1	5P*(1.5)E-1
7724.551	10F (1.5)E-1	4D (2.5)0-2
7722.283	10F (2.5)E-3	4D (2.5)0-2
7712.020	8F (4.5)E-4	4D (3.5)0-3

λ	Upper State	Lower State	λ	Upper State	Lower State
7710.140	8F (2.5)E-3	4D (3.5)0-3	7402.520	8F (2.5)E-2	4D (1.5)0-2
7709.944	8F (2.5)E-2	4D (3.5)0-3	7402.493	10D (3.5)E-3	5P*(1.5)E-2
7709.373	7F (1.5)E-1	4D (1.5)0-2	7400.213	10D (0.5)0-1	5P*(0.5)E-1
7709.040	7F (1.5)E-2	4D (1.5)0-2	7398.230	10D (2.5)0-2	5P*(1.5)E-2
7706.996	7F (2.5)E-3	4D (1.5)0-2	7391.012	10D (1.5)0-2	5P*(0.5)E-1
7703.255	7F (2.5)E-2	4D (1.5)0-2	7389.552	10D (2.5)0-2	5P*(1.5)E-2
7700.335	7F (3.5)E-3	4D (1.5)0-2	7380.070	9D (1.5)0-1	5P*(1.5)E-1
7694.540	5P (1.5)E-1	5S (1.5)0-2	7379.031	10D (2.5)E-2	5P*(0.5)E-1
7685.246	5P*(0.5)E-1	5S*(0.5)0-1	7373.434	11S (1.5)0-2	5P*(1.5)E-1
7682.959	10S (1.5)0-2	5P*(1.5)E-1	7367.041	7F (1.5)E-1	4D (0.5)0-1
7681.798	9D (0.5)0-1	5P*(0.5)E-1	7366.747	7F (1.5)E-2	4D (0.5)0-1
7676.576	10S (1.5)0-1	5P*(1.5)E-1	7364.510	11S (1.5)0-1	5P*(1.5)E-1
7656.142	7S*(0.5)0-1	5P*(1.5)E-2	7361.453	7F (2.5)E-2	4D (0.5)0-1
7652.151	6F (1.5)E-1	4D (0.5)0-0	7361.448	4F*(3.5)E-4	4D (3.5)0-4
7640.917	7S*(0.5)0-1	5P*(0.5)E-1	7361.171	4F*(3.5)E-3	4D (3.5)0-4
7634.480	9P (0.5)E-1	4D (0.5)0-1	7360.309	12S (1.5)0-2	5P*(1.5)E-2
7630.389	9D (1.5)0-2	5P*(1.5)E-2	7360.147	4F*(2.5)E-3	4D (3.5)0-4
7630.366	9D (3.5)0-3	5P*(1.5)E-2	7359.962	6D (0.5)0-1	5P (0.5)E-0
7617.163	9P (2.5)E-2	4D (0.5)0-1	7357.888	10F (2.5)E-3	4D (3.5)0-3
7616.217	9D (2.5)0-2	5P*(1.5)E-2	7355.544	12S (1.5)0-1	5P*(1.5)E-2
7615.266	9D (1.5)0-2	5P*(0.5)E-1	7346.237	12S (1.5)0-2	5P*(0.5)E-1
7611.804	9D (2.5)0-3	5P*(1.5)E-2	7341.490	12S (1.5)0-1	5P*(0.5)E-1
7609.792	5D*(1.5)0-1	5P*(1.5)E-1	7302.257	4F*(3.5)E-3	4D (1.5)0-2
7602.682	9P (1.5)E-1	4D (0.5)0-1	7301.253	4F*(2.5)E-3	4D (1.5)0-2
7601.546	5P (1.5)E-2	5S (1.5)0-2	7300.780	4F*(2.5)E-2	4D (1.5)0-2
7601.537	4F*(3.5)E-4	4D (3.5)0-3	7287.263	4D*(1.5)0-1	5P (0.5)E-1
7601.242	4F*(3.5)E-3	4D (3.5)0-3	7268.079	9F (4.5)E-3	4D (3.5)0-4
7601.150	9D (2.5)0-2	5P*(0.5)E-1	7266.284	9F (2.5)E-3	4D (3.5)0-4
7600.150	4F*(2.5)E-3	4D (3.5)0-3	7258.595	11D (0.5)0-1	5P*(1.5)E-2
7599.641	4F*(2.5)E-2	4D (3.5)0-3	7251.762	11D (1.5)0-2	5P*(1.5)E-2
7598.070	9P (1.5)E-2	4D (0.5)0-1	7251.099	10P (0.5)E-1	4D (0.5)0-1
7587.413	5P (0.5)E-0	5S (1.5)0-1	7250.080	11D (0.5)0-0	5P*(0.5)E-1
7582.499	10P (0.5)E-1	4D (1.5)0-2	7248.754	11D (3.5)0-3	5P*(1.5)E-2
7575.380	9D (1.5)0-1	5P*(1.5)E-2	7244.910	11D (0.5)0-1	5P*(0.5)E-1
7568.389	11S (1.5)0-2	5P*(1.5)E-2	7239.573	11D (2.5)0-3	5P*(1.5)E-2
7560.542	9P (0.5)E-0	4D (0.5)0-1	7238.101	11D (1.5)0-2	5P*(0.5)E-1
7560.474	9D (1.5)0-1	5P*(0.5)E-1	7235.726	10D (0.5)0-0	5P*(1.5)E-1
7558.987	11S (1.5)0-1	5P*(1.5)E-2	7228.220	10P (1.5)E-2	4D (0.5)0-1
7557.484	10P (1.5)E-2	4D (1.5)0-2	7227.289	10D (0.5)0-1	5P*(1.5)E-1
7553.511	11S (1.5)0-2	5P*(0.5)E-1	7224.104	5D (1.5)0-2	5P (0.5)E-1
7544.146	11S (1.5)0-1	5P*(0.5)E-1	7218.511	10D (1.5)0-2	5P*(1.5)E-1
7500.107	9F (2.5)E-3	4D (3.5)0-3	7211.638	9F (1.5)E-1	4D (1.5)0-2
7495.629	9D (0.5)0-0	5P*(1.5)E-1	7208.873	9F (2.5)E-3	4D (1.5)0-2
7494.148	7S (1.5)0-2	5P (2.5)E-2	7207.287	10P (0.5)E-0	4D (0.5)0-1
7493.589	5D (1.5)0-1	5P (2.5)E-2	7207.084	10D (2.5)0-2	5P*(1.5)E-1
7486.865	7S (1.5)0-2	5P (2.5)E-3	7200.590	7F (1.5)E-1	4D (0.5)0-0
7465.014	8F (4.5)E-5	4D (3.5)0-4	7180.474	6S*(0.5)0-0	5P (0.5)E-1
7465.014	8F (4.5)E-4	4D (3.5)0-4	7175.797	12S (1.5)0-2	5P*(1.5)E-1
7463.253	8F (2.5)E-3	4D (3.5)0-4	7171.267	12S (1.5)0-1	5P*(1.5)E-1
7456.700	7S*(0.5)0-1	5P*(1.5)E-1	7152.225	6S*(0.5)0-1	5P (0.5)E-1
7455.872	9P (0.5)E-1	4D (0.5)0-0	7143.450	5D (2.5)0-2	5P (0.5)E-1
7432.269	9D (1.5)0-2	5P*(1.5)E-1	7140.010	12D (3.5)0-3	5P*(1.5)E-2
7425.545	7S (1.5)0-1	5P (2.5)E-2	7133.682	10F (4.5)E-5	4D (3.5)0-4
7425.541	9P (1.5)E-1	4D (0.5)0-0	7132.715	10F (2.5)E-3	4D (3.5)0-4
7418.823	9D (2.5)0-2	5P*(1.5)E-1	7099.790	10P (0.5)E-1	4D (0.5)0-0
7414.494	10D (0.5)0-1	5P*(1.5)E-2	7089.579	8F (1.5)E-1	4D (0.5)0-1
7409.060	10D (0.5)0-0	5P*(0.5)E-1	7086.337	8F (2.5)E-2	4D (0.5)0-1
7406.057	8F (1.5)E-1	4D (1.5)0-2	7084.021	11D (0.5)0-0	5P*(1.5)E-1
7405.256	10D (1.5)0-2	5P*(1.5)E-2	7079.292	10F (1.5)E-1	4D (1.5)0-2
7402.701	8F (2.5)E-3	4D (1.5)0-2	7079.085	11D (0.5)0-1	5P*(1.5)E-1

KRYPTON TRANSITIONS BY WAVELENGTHS

λ	Upper State	Lower State	λ	Upper State	Lower State
7077.388	10F (2.5)E-3	4D (1.5)0-2	6035.095	7D (1.5)0-1	5P (1.5)E-2
7072.585	11D (1.5) -2	5P*(1.5)E-1	6012.139	6D (1.5)0-2	5P (0.5)E-1
7057.250	6D (1.5)0-1	5P (0.5)E-0	6012.074	9S (1.5)E-2	5P (1.5)E-2
7000.772	8S (1.5)E-1	5P (0.5)E-0	6007.809	5D*(1.5)0-1	5P (0.5)E-0
6993.048	4F*(2.5)E-2	4D (0.5)0-1	6002.195	9S (1.5)0-1	5P (1.5)E-2
6988.590	11P (0.5)E-0	4D (0.5)0-1	5993.851	5P*(1.5)E-1	5S (1.5)0-1
6935.299	8F (1.5)E-1	4D (0.5)0-0	5977.648	7D (1.5)0-1	5P (1.5)E-1
6911.193	9F (1.5)E-1	4D (0.5)0-1	5955.151	9S (1.5)E-2	5P (1.5)E-1
6904.582	7S (1.5)0-2	5P (0.5)E-1	5945.458	9S (1.5)0-1	5P (1.5)E-1
6904.207	5D (1.5)0-1	5P (0.5)E-1	5942.151	6D (2.5)0-2	5P (0.5)E-1
6869.632	6D (0.5)0-1	5P (1.5)E-2	5911.982	7S*(0.5)0-1	5P (0.5)E-0
6846.404	7S (1.5)0-1	5P (0.5)E-1	5887.685	5D*(1.5)0-2	5P (1.5)E-2
6829.077	6D (0.5)0-0	5P (1.5)E-1	5881.163	5D*(2.5)0-2	5P (1.5)E-2
6813.111	6D (1.5)0-2	5P (1.5)E-2	5879.900	5P*(0.5)E-1	5S (1.5)0-1
6795.412	6D (0.5)0-1	5P (1.5)E-1	5870.916	5P*(1.5)E-2	5S (1.5)0-1
6789.578	10F (1.5)E-1	4D (0.5)0-1	5868.447	7D (0.5)0-1	5P (2.5)E-2
6776.153	6D (3.5)0-3	5P (1.5)E-2	5866.750	6P (0.5)E-1	5S*(0.5)0-1
6764.499	9F (1.5)E-1	4D (0.5)0-0	5863.709	9D (1.5)0-1	5P (0.5)E-0
6740.101	6D (1.5)0-2	5P (1.5)E-1	5857.311	7D (1.5)0-2	5P (2.5)E-2
6723.348	6D (2.5)0-2	5P (1.5)E-2	5853.883	11S (1.5)0-1	5P (0.5)E-0
6699.228	6D (2.5)0-3	5P (1.5)E-2	5852.860	7D (1.5)0-2	5P (2.5)E-3
6652.239	6D (2.5)0-2	5P (1.5)E-1	5849.663	6D (1.5)0-1	5P (0.5)E-1
6647.948	10F (1.5)E-1	4D (0.5)0-0	5841.527	5D*(2.5)0-3	5P (1.5)E-2
6605.185	6D (1.5)0-1	5P (1.5)E-2	5833.082	5D*(1.5)0-2	5P (1.5)E-1
6576.412	8S (1.5)E-2	5P (1.5)E-2	5832.857	7D (3.5)0-4	5P (2.5)E-3
6555.685	8S (1.5)E-1	5P (1.5)E-2	5827.085	8S (1.5)E-2	5P (0.5)E-1
6555.532	7D (0.5)0-1	5P (0.5)E-0	5826.681	5D*(2.5)0-2	5P (1.5)E-1
6536.541	6D (1.5)0-1	5P (1.5)E-1	5824.506	7D (3.5)0-3	5P (2.5)E-2
6528.361	8S (1.5)E-2	5P (1.5)E-1	5823.516	8D (0.5)0-1	5P (1.5)E-2
6504.906	6D (0.5)0-1	5P (2.5)E-2	5820.105	7D (3.5)0-3	5P (2.5)E-3
6488.061	8S (1.5)E-1	5P (1.5)E-1	5810.807	8S (1.5)E-1	5P (0.5)E-1
6456.290	6D (3.5)0-4	5P (2.5)E-3	5805.534	7D (2.5)0-2	5P (2.5)E-2
6454.205	6D (1.5)0-2	5P (2.5)E-2	5801.162	7D (2.5)0-2	5P (2.5)E-3
6448.802	6D (1.5)0-2	5P (2.5)E-3	5788.236	7D (2.5)0-3	5P (2.5)E-2
6421.028	6D (3.5)0-3	5P (2.5)E-2	5787.295	6P (2.5)E-2	5S*(0.5)0-1
6415.681	6D (3.5)0-3	5P (2.5)E-3	5783.890	7D (2.5)0-3	5P (2.5)E-3
6410.175	7D (1.5)0-1	5P (0.5)E-0	5770.091	8D (0.5)0-1	5P (1.5)E-1
6373.594	6D (2.5)0-2	5P (2.5)E-2	5766.848	10D (0.5)0-1	5P (0.5)E-0
6373.171	9S (1.5)0-1	5P (0.5)E-0	5762.905	8D (3.5)0-3	5P (1.5)E-2
6368.325	6D (2.5)0-2	5P (2.5)E-3	5755.038	8D (0.5)0-0	5P (1.5)E-1
6351.914	5D (2.5)0-3	5P (2.5)E-2	5754.357	8D (2.5)0-2	5P (1.5)E-2
6346.681	6D (2.5)0-3	5P (2.5)E-3	5751.691	7D (1.5)0-1	5P (2.5)E-2
6267.307	6D (1.5)0-1	5P (2.5)E-2	5750.577	8D (2.5)0-3	5P (1.5)E-2
6241.397	8S (1.5)E-2	5P (2.5)E-2	5749.029	8D (1.5)0-2	5P (1.5)E-2
6236.344	8S (1.5)E-2	5P (2.5)E-3	5748.609	8D (1.5)0-1	5P (1.5)E-2
6222.726	8S (1.5)E-1	5P (2.5)E-2	5731.124	12S (1.5)0-1	5P (0.5)E-0
6172.093	8D (0.5)0-1	5P (0.5)E-0	5730.859	9S (1.5)E-2	5P (2.5)E-2
6163.674	7D (0.5)0-1	5P (1.5)E-2	5726.599	9S (1.5)E-2	5P (2.5)E-3
6151.390	7D (1.5)0-2	5P (1.5)E-2	5723.569	6P (1.5)E-1	5S*(0.5)0-1
6115.219	7D (3.5)0-3	5P (1.5)E-2	5721.882	9S (1.5)0-1	5P (2.5)E-2
6108.334	7D (0.5)0-0	5P (1.5)E-1	5717.609	10S (1.5)0-2	5P (1.5)E-2
6103.859	7D (0.5)0-1	5P (1.5)E-1	5714.128	10S (1.5)0-1	5P (1.5)E-2
6094.309	7D (2.5)0-2	5P (1.5)E-2	5707.511	6P (1.5)E-2	5S*(0.5)0-1
6091.812	7D (1.5)0-2	5P (1.5)E-1	5702.188	8D (2.5)0-2	5P (1.5)E-1
6088.016	8D (1.5)0-1	5P (0.5)E-0	5696.956	8D (1.5)0-2	5P (1.5)E-1
6082.853	6D (0.5)0-0	5P (0.5)E-1	5696.544	8D (1.5)0-1	5P (1.5)E-1
6075.251	7D (2.5)0-3	5P (1.5)E-2	5677.043	5D*(1.5)0-1	5P (1.5)E-2
6056.128	6D (0.5)0-1	5P (0.5)E-1	5672.452	5P*(1.5)E-1	5S (1.5)0-2
6049.357	10S (1.5)0-1	5P (0.5)E-0	5672.096	11D (0.5)0-1	5P (0.5)E-0
6035.826	7D (2.5)0-2	5P (1.5)E-1	5666.102	10S (1.5)0-2	5P (1.5)E-1

KRYPTON TRANSITIONS BY WAVELENGTHS

λ	Upper State	Lower State	λ	Upper State	Lower State
5662.683	10S (1.5)0-1	5P (1.5)E-1	5385.444	12S (1.5)0-2	5P (1.5)E-1
5649.562	6P (0.5)E-1	5S*(0.5)0-0	5382.892	12S (1.5)0-1	5P (1.5)E-1
5626.260	5D*(1.5)0-1	5P (1.5)E-1	5379.647	9S (1.5)E-2	5P (0.5)E-1
5617.725	5D*(1.5)0-2	5P (2.5)E-2	5376.354	11D (0.5)0-1	5P (1.5)E-2
5613.631	5D*(1.5)0-2	5P (2.5)E-3	5372.604	11D (1.5)0-2	5P (1.5)E-2
5611.787	5D*(2.5)0-2	5P (2.5)E-2	5371.736	9S (1.5)0-1	5P (0.5)E-1
5607.702	5D*(2.5)0-2	5P (2.5)E-3	5370.952	11D (3.5)0-3	5P (1.5)E-2
5591.402	7S*(0.5)0-1	5P (1.5)E-2	5365.911	11D (2.5)0-3	5P (1.5)E-2
5580.386	6P (0.5)E-0	5S*(0.5)0-1	5347.365	7S*(0.5)0-1	5P (2.5)E-2
5577.654	9D (1.5)0-2	5P (1.5)E-2	5339.130	9D (3.5)0-4	5P (2.5)E-3
5577.642	9D (3.5)0-3	5P (1.5)E-2	5334.790	9D (1.5)0-2	5P (2.5)E-2
5575.688	5D*(2.5)0-3	5P (2.5)E-2	5334.778	9D (3.5)0-3	5P (2.5)E-2
5573.118	5P*(0.5)E-0	5S (1.5)0-1	5333.585	11D (0.5)0-0	5P (1.5)E-1
5571.655	5D*(2.5)0-3	5P (2.5)E-3	5331.098	9D (1.5)0-2	5P (2.5)E-3
5570.290	5P*(0.5)E-1	5S (1.5)0-2	5331.086	9D (3.5)0-3	5P (2.5)E-3
5570.078	9D (2.5)0-2	5P (1.5)E-2	5330.787	11D (3.5)0-1	5P (1.5)E-1
5567.717	9D (2.5)0-3	5P (1.5)E-2	5327.858	9D (2.5)0-2	5P (2.5)E-2
5563.610	9D (0.5)0-3	5P (1.5)E-1	5327.100	11D (1.5)0-2	5P (1.5)E-1
5562.226	5P*(1.5)E-2	5S (1.5)0-2	5325.698	9D (2.5)0-3	5P (2.5)E-2
5559.276	8D (0.5)0-1	5P (2.5)E-2	5324.176	9D (2.5)0-2	5P (2.5)E-3
5548.204	9D (1.5)0-1	5P (1.5)E-2	5322.019	9D (2.5)0-3	5P (2.5)E-3
5544.453	11S (1.5)0-2	5P (1.5)E-2	5311.018	12D (3.5)0-3	5P (1.5)E-2
5542.134	7S*(0.5)0-1	5P (1.5)E-1	5307.842	9D (1.5)0-1	5P (2.5)E-2
5539.405	11S (1.5)0-1	5P (1.5)E-2	5304.409	11S (1.5)0-2	5P (2.5)E-2
5528.627	9D (1.5)0-2	5P (1.5)E-1	5300.759	11S (1.5)0-2	5P (2.5)E-3
5521.182	9D (2.5)0-2	5P (1.5)E-1	5299.789	11S (1.5)0-1	5P (2.5)E-2
5520.519	8D (3.5)0-4	5P (2.5)E-3	5279.834	5D*(1.5)0-2	5P (0.5)E-1
5516.666	6P (1.5)E-1	5S*(0.5)0-0	5274.588	5D*(2.5)0-2	5P (0.5)E-1
5504.344	7D (0.5)0-0	5P (0.5)E-1	5228.351	10D (0.5)0-1	5P (2.5)E-2
5504.015	8D (3.5)0-3	5P (2.5)E-2	5228.172	8D (0.5)0-1	5P (0.5)E-1
5500.710	7D (0.5)0-1	5P (0.5)E-1	5223.756	10D (1.5)0-2	5P (2.5)E-2
5500.085	8D (3.5)0-3	5P (2.5)E-3	5223.571	10D (3.5)0-4	5P (2.5)E-3
5499.690	9D (1.5)0-1	5P (1.5)E-1	5222.380	10D (3.5)0-3	5P (2.5)E-2
5496.217	8D (2.5)0-2	5P (2.5)E-2	5220.216	10D (1.5)0-2	5P (2.5)E-3
5496.005	11S (1.5)0-2	5P (1.5)E-1	5218.842	10D (3.5)0-3	5P (2.5)E-3
5492.768	8D (2.5)0-3	5P (2.5)E-2	5217.768	10D (2.5)0-2	5P (2.5)E-2
5492.298	8D (2.5)0-2	5P (2.5)E-3	5215.936	10D (2.5)0-3	5P (2.5)E-2
5491.356	8D (1.5)0-2	5P (2.5)E-2	5215.810	8D (0.5)0-0	5P (0.5)E-1
5491.045	11S (1.5)0-1	5P (1.5)E-1	5214.237	10D (2.5)0-2	5P (2.5)E-3
5490.973	8D (1.5)0-1	5P (2.5)E-2	5212.407	10D (2.5)0-3	5P (2.5)E-3
5490.924	7D (1.5)0-2	5P (0.5)E-1	5201.350	12S (1.5)0-2	5P (2.5)E-2
5488.855	8D (2.5)0-3	5P (2.5)E-3	5198.969	12S (1.5)0-1	5P (2.5)E-2
5487.445	8D (1.5)0-2	5P (2.5)E-3	5197.840	12S (1.5)0-2	5P (2.5)E-3
5462.682	10S (1.5)0-2	5P (2.5)E-2	5172.363	8D (2.5)0-2	5P (0.5)E-1
5461.409	10D (0.5)0-1	5P (1.5)E-2	5168.058	8D (1.5)0-2	5P (0.5)E-1
5459.503	10S (1.5)0-1	5P (2.5)E-2	5167.719	8D (1.5)0-1	5P (0.5)E-1
5458.812	10S (1.5)0-2	5P (2.5)E-3	5150.348	11D (0.5)0-1	5P (2.5)E-2
5456.395	10D (1.5)0-2	5P (1.5)E-2	5146.906	11D (1.5)0-2	5P (2.5)E-2
5454.895	10D (3.5)0-3	5P (1.5)E-2	5145.391	11D (3.5)0-3	5P (2.5)E-2
5449.863	10D (2.5)0-2	5P (1.5)E-2	5145.039	11D (3.5)0-4	5P (2.5)E-3
5447.865	10D (2.5)0-3	5P (1.5)E-2	5143.470	11D (1.5)0-2	5P (2.5)E-3
5445.397	7D (2.5)0-2	5P (0.5)E-1	5142.653	10S (1.5)0-2	5P (0.5)E-1
5431.954	12S (1.5)0-2	5P (1.5)E-2	5141.956	11D (3.5)0-3	5P (2.5)E-3
5429.358	12S (1.5)0-1	5P (1.5)E-2	5140.763	11D (2.5)0-3	5P (2.5)E-2
5425.641	5D*(1.5)0-1	5P (2.5)E-2	5139.837	10S (1.5)0-1	5P (0.5)E-1
5419.129	10D (0.5)0-0	5P (1.5)E-1	5137.335	11D (2.5)0-3	5P (2.5)E-3
5414.395	10D (0.5)0-1	5P (1.5)E-1	5109.812	5D*(1.5)0-1	5P (0.5)E-1
5409.467	10D (1.5)0-2	5P (1.5)E-1	5090.359	12D (3.5)0-3	5P (2.5)E-2
5403.047	10D (2.5)0-2	5P (1.5)E-1	5089.121	12D (3.5)0-4	5P (2.5)E-3
5398.000	7D (1.5)0-1	5P (0.5)E-1	5086.997	12D (3.5)0-3	5P (2.5)E-3

λ	Upper State	Lower State	λ	Upper State	Lower State
5088.382	9D (0.5)0-1	5P (0.5)E-1	4099.221	9P (1.5)E-1	5S*(0.5)0-1
5047.740	13D (3.5)0-1	5P (2.5)E-3	4097.860	9P (1.5)E-2	5S*(0.5)0-1
5040.325	7S*(0.5)0-1	5P (0.5)E-1	4086.919	9P (0.5)E-0	5S*(0.5)0-1
5029.151	9D (1.5)0-2	5P (0.5)E-1	4056.555	6F (1.5)E-1	5S*(0.5)0-0
5022.977	9D (2.5)0-2	5P (0.5)E-1	4029.720	7F (1.5)E-1	5S*(0.5)0-1
5015.195	9D (1.5)0-1	5P (0.5)E-1	4029.612	7F (1.5)E-2	5S*(0.5)0-1
5002.142	11S (1.5)0-2	5P (0.5)E-1	4020.031	7F (2.5)E-2	5S*(0.5)0-1
4998.034	11S (1.5)0-1	5P (0.5)E-1	4000.721	9P (0.5)E-1	5S*(0.5)0-0
4969.351	4F (1.5)E-1	5S*(0.5)0-1	3994.764	10P (0.5)E-1	5S*(0.5)0-1
4969.074	4F (1.5)E-2	5S*(0.5)0-1	3991.971	9P (1.5)E-1	5S*(0.5)0-0
4965.270	4F (2.5)E-2	5S*(0.5)0-1	3991.259	4F (1.5)E-1	5S (1.5)0-1
4938.381	10D (0.5)0-1	5P (0.5)E-1	3991.030	4F (1.5)E-2	5S (1.5)0-1
4934.453	10D (0.5)0-1	5P (0.5)E-1	3987.810	10P (1.5)E-2	5S*(0.5)0-1
4930.357	10D (1.5)0-2	5P (0.5)E-1	3982.170	4F (2.5)E-2	5S (1.5)0-1
4925.023	10D (2.5)0-2	5P (0.5)E-1	3981.430	10P (0.5)E-0	5S*(0.5)0-1
4919.392	12S (1.5)0-2	5P (0.5)E-1	3945.244	8F (1.5)E-1	5S*(0.5)0-1
4908.271	12S (1.5)0-1	5P (0.5)E-1	3944.249	8F (2.5)E-2	5S*(0.5)0-1
4867.242	11D (0.5)0-1	5P (0.5)E-1	3925.032	7F (1.5)E-1	5S*(0.5)0-0
4864.911	11D (0.5)0-1	5P (0.5)E-1	3915.159	4F*(2.5)E-2	5S*(0.5)0-1
4861.841	11D (1.5)0-2	5P (0.5)E-1	3913.771	11P (0.5)E-0	5S*(0.5)0-1
4812.637	4F (1.5)E-1	5S*(0.5)0-0	3892.860	10P (0.5)E-1	5S*(0.5)0-0
4724.875	7P (0.5)E-1	5S*(0.5)0-1	3889.378	9F (1.5)E-1	5S*(0.5)0-1
4694.825	7P (2.5)E-2	5S*(0.5)0-1	3850.562	10F (1.5)E-1	5S*(0.5)0-1
4677.136	7P (1.5)E-1	5S*(0.5)0-1	3846.144	4F (1.5)E-1	5S (1.5)0-2
4671.594	7P (1.5)E-2	5S*(0.5)0-1	3845.978	4F (1.5)E-2	5S (1.5)0-2
4656.131	7P (0.5)E-1	5S*(0.5)0-1	3845.819	8F (1.5)E-1	5S*(0.5)0-0
4582.981	7P (0.5)E-1	5S*(0.5)0-0	3837.816	4F (2.5)E-1	5S (1.5)0-2
4530.299	6P (0.5)E-1	5S (1.5)0-1	3837.713	4F (2.5)E-2	5S (1.5)0-2
4528.052	7P (1.5)E-1	5S*(0.5)0-0	3833.911	4F (3.5)E-3	5S (1.5)0-2
4502.335	6P (2.5)E-2	5S (1.5)0-1	3832.005	7P (0.5)E-1	5S (1.5)0-1
4463.690	6P (1.5)E-1	5S (1.5)0-1	3812.216	7P (2.5)E-2	5S (1.5)0-1
4453.918	6P (1.5)E-2	5S (1.5)0-1	3800.544	7P (1.5)E-1	5S (1.5)0-1
4425.191	6P*(1.5)E-1	5S*(0.5)0-1	3796.884	7P (1.5)E-2	5S (1.5)0-1
4418.765	5F (1.5)E-2	5S*(0.5)0-1	3792.714	9F (1.5)E-1	5S*(0.5)0-0
4416.884	5F (1.5)E-1	5S*(0.5)0-1	3773.424	7P (0.5)E-0	5S (1.5)0-1
4412.389	5F (2.5)E-2	5S*(0.5)0-1	3735.795	10F (1.5)E-1	5S*(0.5)0-0
4410.369	6P*(0.5)E-1	5S*(0.5)0-1	3698.045	7P (0.5)E-1	5S (1.5)0-2
4399.967	6P*(1.5)E-2	5S*(0.5)0-1	3679.612	7P (2.5)E-2	5S (1.5)0-2
4376.122	6P (0.5)E-0	5S (1.5)0-1	3679.561	7P (2.5)E-3	5S (1.5)0-2
4362.643	6P (0.5)E-1	5S (1.5)0-2	3668.737	7P (1.5)E-1	5S (1.5)0-2
4351.351	6P*(0.5)E-0	5S*(0.5)0-1	3665.326	7P (1.5)E-2	5S (1.5)0-2
4319.580	6P (2.5)E-3	5S (1.5)0-2	3652.493	6P*(1.5)E-1	5S (1.5)0-1
4318.553	6P (2.5)E-2	5S (1.5)0-2	3628.157	5F (1.5)E-2	5S (1.5)0-1
4302.445	8P (0.5)E-1	5S*(0.5)0-1	3626.890	5F (1.5)E-1	5S (1.5)0-1
4300.488	6P*(1.5)E-1	5S*(0.5)0-0	3623.859	5F (2.5)E-2	5S (1.5)0-1
4298.192	8P (2.5)E-2	5S*(0.5)0-1	3622.496	6P*(0.5)E-1	5S (1.5)0-1
4292.542	5F (1.5)E-1	5S*(0.5)0-0	3615.476	6P*(1.5)E-2	5S (1.5)0-1
4290.090	8P (1.5)E-1	5S*(0.5)0-1	3582.591	6P*(0.5)E-0	5S (1.5)0-1
4288.018	8P (1.5)E-2	5S*(0.5)0-1	3549.067	8P (0.5)E-1	5S (1.5)0-1
4286.498	6P*(0.5)E-1	5S*(0.5)0-0	3546.471	8P (2.5)E-2	5S (1.5)0-1
4282.968	6P (1.5)E-1	5S (1.5)0-2	3540.954	8P (1.5)E-1	5S (1.5)0-1
4273.970	6P (1.5)E-2	5S (1.5)0-2	3539.542	8P (1.5)E-2	5S (1.5)0-1
4263.298	8P (0.5)E-0	5S*(0.5)0-1	3522.675	8P (0.5)E-0	5S (1.5)0-1
4184.473	8P (0.5)E-1	5S*(0.5)0-0	3511.896	6P*(1.5)E-1	5S (1.5)0-2
4172.784	8P (1.5)E-1	5S*(0.5)0-0	3507.845	5F (1.5)E-2	5S (1.5)0-2
4167.331	6F (1.5)E-1	5S*(0.5)0-1	3506.662	5F (1.5)E-1	5S (1.5)0-2
4167.223	6F (1.5)E-2	5S*(0.5)0-1	3503.898	5F (2.5)E-3	5S (1.5)0-2
4164.447	6F (2.5)E-2	5S*(0.5)0-1	3503.828	5F (2.5)E-2	5S (1.5)0-2
4138.428	9P (0.5)E-1	5S*(0.5)0-1	3502.554	6P*(0.5)E-1	5S (1.5)0-2
4103.498	9P (2.5)E-2	5S*(0.5)0-1	3502.214	5F (3.5)E-3	5S (1.5)0-2

KRYPTON TRANSITIONS BY WAVELENGTHS

λ	Upper State	Lower State
3495.990	6P*(1.5)E-2	5S (1.5)0-2
3456.902	6F (1.5)E-1	5S (1.5)0-1
3456.828	6F (1.5)E-2	5S (1.5)0-1
3454.918	6F (2.5)E-2	5S (1.5)0-1
3434.142	8P (0.5)E-1	5S (1.5)0-2
3431.722	8P (2.5)E-3	5S (1.5)0-2
3431.431	8P (2.5)E-2	5S (1.5)0-2
3426.265	8P (1.5)E-1	5S (1.5)0-2
3424.943	8P (1.5)E-2	5S (1.5)0-2
3416.272	9P (0.5)E-1	5S (1.5)0-1
3412.800	9P (2.5)E-2	5S (1.5)0-1
3409.890	9P (1.5)E-1	5S (1.5)0-1
3408.962	9P (1.5)E-2	5S (1.5)0-1
3401.387	9P (0.5)E-3	5S (1.5)0-1
3361.662	7F (1.5)E-1	5S (1.5)0-1
3361.599	7F (1.5)E-2	5S (1.5)0-1
3360.498	7F (2.5)E-2	5S (1.5)0-1
3347.509	6F (1.5)E-1	5S (1.5)0-2
3347.440	6F (1.5)E-2	5S (1.5)0-2
3345.709	6F (2.5)E-3	5S (1.5)0-2
3345.648	6F (2.5)E-2	5S (1.5)0-2
3344.801	6F (3.5)E-3	5S (1.5)0-2
3337.311	10P (0.5)E-1	5S (1.5)0-1
3332.456	10P (1.5)E-2	5S (1.5)0-1
3328.000	10P (0.5)E-3	5S (1.5)0-1
3309.396	9P (0.5)E-1	5S (1.5)0-2
3306.169	9P (2.5)E-3	5S (1.5)0-2
3306.137	9P (2.5)E-2	5S (1.5)0-2
3303.406	9P (1.5)E-1	5S (1.5)0-2
3302.679	8F (1.5)E-1	5S (1.5)0-1
3282.535	9P (1.5)E-2	5S (1.5)0-2
3281.975	8F (2.5)E-2	5S (1.5)0-1
3281.576	4F*(2.5)E-2	5S (1.5)0-1
3280.594	11P (0.5)E-3	5S (1.5)0-1
3263.437	9F (1.5)E-1	5S (1.5)0-1
3258.123	7F (1.5)E-1	5S (1.5)0-2
3258.063	7F (1.5)E-2	5S (1.5)0-2
3257.698	7F (2.5)E-3	5S (1.5)0-2
3257.029	7F (2.5)E-2	5S (1.5)0-2
3256.507	7F (3.5)E-3	5S (1.5)0-2
3236.066	10F (1.5)E-1	5S (1.5)0-1
3235.244	10P (0.5)E-1	5S (1.5)0-2
3230.681	10P (1.5)E-2	5S (1.5)0-2
3202.687	8F (1.5)E-1	5S (1.5)0-2
3202.439	8F (2.5)E-3	5S (1.5)0-2
3202.025	8F (2.5)E-2	5S (1.5)0-2
3183.119	4F*(3.5)E-3	5S (1.5)0-2
3182.929	4F*(2.5)E-3	5S (1.5)0-2
3182.838	4F*(2.5)E-2	5S (1.5)0-2
3165.772	9F (1.5)E-1	5S (1.5)0-2
3165.245	9F (2.5)E-3	5S (1.5)0-2
3142.008	10F (1.5)E-1	5S (1.5)0-2
3139.633	10F (2.5)E-3	5S (1.5)0-2

XENON TRANSITIONS BY MULTIPLETS

Upper State	Lower State	λ
7S*(1.5)0-0	6P (0.5)E-1	5418.021
	6P (1.5)E-1	5963.188
7S*(1.5)0-1	6P (0.5)E-1	5394.738
	6P (2.5)E-2	5654.291
	6P (1.5)E-1	5934.997
	6P (1.5)E-2	6026.745
	6P (0.5)E-0	6375.134
8S (1.5)0-2	6P (0.5)E-1	7386.006
	6P (2.5)E-2	7881.322
	6P (2.5)E-3	8061.338
	6P (1.5)E-1	8437.567
	6P (1.5)E-2	8624.217
8S (1.5)0-1	6P (0.5)E-1	7316.869
	6P (2.5)E-2	7802.651
	6P (1.5)E-1	8347.463
	6P (1.5)E-2	8530.105
	6P (0.5)E-0	9245.195
9S (1.5)0-2	6P (0.5)E-1	6198.260
	6P (2.5)E-2	6543.361
	6P (2.5)E-3	6666.965
	6P (1.5)E-1	6922.237
	6P (1.5)E-2	7047.369
9S (0.5)0-1	6P (0.5)E-1	6189.105
	6P (2.5)E-2	6533.159
	6P (1.5)E-1	6910.821
	6P (1.5)E-2	7035.537
	6P (0.5)E-0	7514.956
10S (1.5)0-2	6P (0.5)E-1	5715.716
	6P (2.5)E-2	6007.909
	6P (2.5)E-3	6111.952
	6P (1.5)E-1	6325.810
	6P (1.5)E-2	6430.145
10S (1.5)0-1	6P (0.5)E-1	5706.850
	6P (2.5)E-2	5998.115
	6P (1.5)E-1	6314.952
	6P (1.5)E-2	6418.927
	6P (0.5)E-0	6815.625
11S (1.5)0-2	6P (0.5)E-1	5460.037
	6P (2.5)E-2	5726.066
	6P (2.5)E-3	5820.499
	6P (1.5)E-1	6014.125
	6P (1.5)E-2	6108.355
11S (1.5)0-1	6P (0.5)E-1	5456.458
	6P (2.5)E-2	5722.129
	6P (1.5)E-1	6009.782
	6P (1.5)E-2	6103.876
	6P (0.5)E-0	6461.504
12S (1.5)0-2	6P (0.5)E-1	5306.361
	6P (2.5)E-2	5557.281
	6P (2.5)E-3	5646.186
	6P (1.5)E-1	5828.207
	6P (1.5)E-2	5916.659
12S (1.5)0-1	6P (0.5)E-1	5302.547
	6P (2.5)E-2	5553.099
	6P (1.5)E-1	5823.607
	6P (1.5)E-2	5911.918
	6P (0.5)E-0	6246.789
13S (1.5)0-2	6P (0.5)E-1	5206.077
	6P (2.5)E-2	5447.388
	6P (2.5)E-3	5532.784
	6P (1.5)E-1	5707.453
	6P (1.5)E-2	5792.252
13S (1.5)0-1	6P (0.5)E-1	5203.776
	6P (2.5)E-2	5444.869
	6P (1.5)E-1	5704.688
	6P (1.5)E-2	5789.404
	6P (0.5)E-0	6110.163
14S (1.5)0-2	6P (0.5)E-1	5136.744
	6P (2.5)E-2	5371.525
	6P (2.5)E-3	5454.541
	6P (1.5)E-1	5624.230
	6P (1.5)E-2	5706.555
14S (1.5)0-1	6P (0.5)E-1	5135.142
	6P (2.5)E-2	5369.773
	6P (1.5)E-1	5622.310
	6P (1.5)E-2	5704.578
	6P (0.5)E-0	6015.755
15S (1.5)0-2	6P (0.5)E-1	5086.622
	6P (2.5)E-2	5316.741
	6P (2.5)E-3	5398.060
	6P (1.5)E-1	5564.199
	6P (1.5)E-2	5644.764
6P (0.5)E-1	6S (1.5)0-2	9799.697
6P (2.5)E-2	6S (1.5)0-2	9045.447
	6S (1.5)0-1	9920.195
6P (2.5)E-3	6S (1.5)0-2	8819.413
6P (1.5)E-1	6S (1.5)0-2	8409.189
	6S (1.5)0-1	9162.656
6P (1.5)E-2	6S (1.5)0-2	8231.634
	6S (1.5)0-1	8952.256
6P (0.5)E-0	6S (1.5)0-1	8280.117
6P*(1.5)E-1	6S (1.5)0-2	4690.972
	6S (1.5)0-1	4916.507
	6S*(0.5)E-1	8206.340
	6S*(0.5)0-1	8930.838

Upper State	Lower State	λ
6P*(1.5)E-2	6S (1.5)0-2	4524.681
	6S (1.5)0-1	4734.153
	6S*(0.5)0-1	8346.822
6P*(0.5)E-1	6S (1.5)0-2	4500.978
	6S (1.5)0-1	4708.211
	6S*(0.5)0-0	7642.025
	6S*(0.5)0-1	8266.517
6P*(0.5)E-0	6S (1.5)0-1	4582.748
	6S*(0.5)0-1	7887.393
7P (0.5)E-1	6S (1.5)0-2	4792.619
	6S (1.5)0-1	5028.280
	6S*(0.5)0-0	8522.549
	6S*(0.5)0-1	9306.622
7P (2.5)E-2	6S (1.5)0-2	4697.021
	6S (1.5)0-1	4923.152
	6S*(0.5)0-1	8952.789
7P (2.5)E-3	6S (1.5)0-2	4671.226
7P (1.5)E-1	6S (1.5)0-2	4611.890
	6S (1.5)0-1	4829.708
	6S*(0.5)0-0	7967.343
	6S*(0.5)0-1	8648.505
7P (1.5)E-2	6S (1.5)0-2	4624.276
	6S (1.5)0-1	4843.294
	6S*(0.5)0-1	8692.164
7P (0.5)E-0	6S (1.5)0-1	4807.019
	6S*(0.5)0-1	8576.021
8P (0.5)E-1	6S (1.5)0-2	3985.202
	6S (1.5)0-1	4146.811
	6S*(0.5)0-0	6265.303
	6S*(0.5)0-1	6678.968
8P (2.5)E-2	6S (1.5)0-2	3974.417
	6S (1.5)0-1	4135.134
	6S*(0.5)0-1	6648.729
8P (2.5)E-3	6S (1.5)0-2	3967.542
8P (1.5)E-1	6S (1.5)0-2	3956.845
	6S (1.5)0-1	4116.115
	6S*(0.5)0-0	6195.499
	6S*(0.5)0-1	6599.700
8P (1.5)E-2	6S (1.5)0-2	3950.925
	6S (1.5)0-1	4109.710
	6S*(0.5)0-1	6583.249
8P (0.5)E-0	6S (1.5)0-1	4078.821
	6S*(0.5)0-1	6504.345
8P (0.5)E-1	5D (0.5)0-0	8074.016
	5D (0.5)0-1	8216.935
	5D (1.5)0-2	8450.389
	5D (2.5)0-2	9774.626
8P (2.5)E-2	5D (0.5)0-1	8171.215
	5D (3.5)0-3	8885.698
	5D (1.5)0-2	8402.042
	5D (2.5)0-2	9709.997
8P (2.5)E-3	5D (3.5)0-4	8283.891
	5D (3.5)0-3	8851.408
	5D (1.5)0-2	8371.376
	5D (2.5)0-2	9669.064
8P (1.5)E-1	5D (0.5)0-0	7958.463
	5D (0.5)0-1	8097.286
	5D (1.5)0-2	8323.897
	5D (2.5)0-2	9605.779
8P (1.5)E-2	5D (0.5)0-1	8072.535
	5D (3.5)0-3	8769.130
	5D (1.5)0-2	8297.744
	5D (2.5)0-2	9570.968
8P (0.5)E-0	5D (0.5)0-1	7954.215
9P (0.5)E-1	6S (1.5)0-2	3702.735
	6S (1.5)0-1	3841.847
	6S*(0.5)0-0	5594.369
	6S*(0.5)0-1	5921.867
9P (2.5)E-2	6S (1.5)0-2	3696.819
	6S (1.5)0-1	3835.479
	6S*(0.5)0-1	5906.752
9P (2.5)E-3	6S (1.5)0-2	3693.490
9P (1.5)E-1	6S (1.5)0-2	3688.811
	6S (1.5)0-1	3826.859
	6S*(0.5)0-0	5562.646
	6S*(0.5)0-1	5886.333
9P (1.5)E-2	6S (1.5)0-2	3685.903
	6S (1.5)0-1	3823.730
	6S*(0.5)0-1	5878.932
9P (0.5)E-0	6S (1.5)0-1	3809.848
	6S*(0.5)0-1	5846.183
9P (0.5)E-1	5D (0.5)0-0	6993.204
	5D (0.5)0-1	7100.168
	5D (1.5)0-2	7273.806
	5D (1.5)0-1	9823.397
	5D (2.5)0-2	8234.009
9P (2.5)E-2	5D (0.5)0-1	7078.450
	5D (3.5)0-3	7608.415
	5D (1.5)0-2	7251.015
	5D (1.5)0-1	9781.874
	5D (2.5)0-2	8204.815
	5D (2.5)0-3	8559.339
9P (2.5)E-3	5D (3.5)0-4	7172.719
	5D (3.5)0-3	7594.324
	5D (1.5)0-2	7238.216
	5D (2.5)0-2	8188.431
	5D (2.5)0-3	8541.510

XENON TRANSITIONS BY MULTIPLETS

Upper State	Lower State	λ
9P (1.5)E-1	5D (0.5)0-0	6943.704
	5D (0.5)0-1	7049.147
	5D (1.5)0-2	7220.270
	5D (1.5)0-1	9726.003
	5D (2.5)0-2	8165.471
9P (1.5)E-2	5D (0.5)0-1	7038.536
	5D (3.5)0-3	7562.321
	5D (1.5)0-2	7209.138
	5D (1.5)0-1	9705.815
	5D (2.5)0-2	8151.237
	5D (2.5)0-3	8501.047
9P (0.5)E-0	5D (0.5)0-1	6991.645
	5D (1.5)0-1	9616.875
10P (0.5)E-1	6S (1.5)0-2	3559.374
	6S (1.5)0-1	3687.737
	6S*(0.5)0-0	5273.469
	6S*(0.5)0-1	5563.500
10P (2.5)E-2	6S (1.5)0-2	3555.919
	6S (1.5)0-1	3684.028
	6S*(0.5)0-1	5555.063
10P (2.5)E-3	6S (1.5)0-2	3554.039
10P (1.5)E-1	6S (1.5)0-2	3551.523
	6S (1.5)0-1	3679.309
	6S*(0.5)0-0	5256.254
	6S*(0.5)0-1	5544.342
10P (1.5)E-2	6S (1.5)0-2	3549.867
	6S (1.5)0-1	3677.532
	6S*(0.5)0-1	5540.308
10P (0.5)E-0	6S (1.5)0-1	3669.909
	6S*(0.5)0-1	5523.023
10P (2.5)E-2	7S (1.5)0-2	10004.405
10P (2.5)E-3	7S (1.5)0-2	9989.540
10P (1.5)E-1	7S (1.5)0-2	9969.686
10P (1.5)E-2	7S (1.5)0-2	9956.649
10P (0.5)E-1	5D (0.5)0-0	6498.856
	5D (0.5)0-1	6591.132
	5D (1.5)0-2	6740.504
	5D (1.5)0-1	8875.084
	5D (2.5)0-2	7557.165
10P (2.5)E-2	5D (0.5)0-1	6579.294
	5D (3.5)0-3	7034.747
	5D (1.5)0-2	6728.124
	5D (1.5)0-1	8853.635
	5D (2.5)0-2	7541.607
	5D (2.5)0-3	7840.092
10P (2.5)E-3	5D (3.5)0-4	6664.883
	5D (3.5)0-3	7027.394
	5D (1.5)0-2	6721.398
	5D (2.5)0-2	7533.157
	5D (2.5)0-3	7830.959
10P (1.5)E-1	5D (0.5)0-0	6472.730
	5D (0.5)0-1	6564.261
	5D (1.5)0-2	6712.404
	5D (1.5)0-1	8826.432
	5D (2.5)0-2	7521.861
10P (1.5)E-2	5D (0.5)0-1	6558.607
	5D (3.5)0-3	7011.101
	5D (1.5)0-2	6706.492
	5D (1.5)0-1	8816.212
	5D (2.5)0-2	7514.437
	5D (2.5)0-3	7810.733
10P (0.5)E-0	5D (0.5)0-1	6534.398
	5D (1.5)0-1	8772.525
11P (0.5)E-1	6S (1.5)0-2	3475.667
	6S (1.5)0-1	3597.959
	6S*(0.5)0-0	5091.789
	6S*(0.5)0-1	5361.668
11P (2.5)E-2	6S (1.5)0-2	3473.517
	6S (1.5)0-1	3595.656
	6S*(0.5)0-1	5356.555
11P (2.5)E-3	6S (1.5)0-2	3472.360
11P (1.5)E-1	6S (1.5)0-2	3470.852
	6S (1.5)0-1	3592.800
	6S*(0.5)0-0	5081.462
	6S*(0.5)0-1	5350.219
11P (1.5)E-2	6S (1.5)0-2	3469.803
	6S (1.5)0-1	3591.675
	6S*(0.5)0-1	5347.727
11P (0.5)E-0	6S (1.5)0-1	3587.019
	6S*(0.5)0-1	5337.411
11P (0.5)E-1	7S (1.5)0-2	9394.164
	7S (1.5)0-1	9621.290
11P (2.5)E-2	7S (1.5)0-2	9378.478
	7S (1.5)0-1	9604.837
11P (2.5)E-3	7S (1.5)0-2	9370.047
11P (1.5)E-1	7S (1.5)0-2	9359.074
	7S (1.5)0-1	9584.486
11P (1.5)E-2	7S (1.5)0-2	9351.449
	7S (1.5)0-1	9576.489
11P (0.5)E-0	7S (1.5)0-1	9543.460

XENON TRANSITIONS BY MULTIPLETS

Upper State	Lower State	λ
11P (0.5)E-1	5D (0.5)0-0	6225.125
	5D (0.5)0-1	6309.741
	5D (1.5)0-2	6446.499
	5D (1.5)0-1	8372.330
	5D (2.5)0-2	7189.545
11P (2.5)E-2	5D (0.5)0-1	6302.660
	5D (3.5)0-3	6719.406
	5D (1.5)0-2	6439.108
	5D (1.5)0-1	8359.868
	5D (2.5)0-2	7180.354
	5D (2.5)0-3	7450.416
11P (2.5)E-3	5D (3.5)0-4	6383.311
	5D (3.5)0-3	6715.077
	5D (1.5)0-2	6435.133
	5D (2.5)0-2	7175.411
	5D (2.5)0-3	7445.095
11P (1.5)E-1	5D (0.5)0-0	6209.697
	5D (0.5)0-1	6293.891
	5D (1.5)0-2	6429.955
	5D (1.5)0-1	8344.446
	5D (2.5)0-2	7168.974
11P (1.5)E-2	5D (0.5)0-1	6290.442
	5D (3.5)0-3	6705.519
	5D (1.5)0-2	6426.355
	5D (1.5)0-1	8338.384
	5D (2.5)0-2	7164.499
	5D (2.5)0-3	7433.348
11P (0.5)E-0	5D (0.5)0-1	6276.174
	5D (1.5)0-1	8313.332
12P (0.5)E-1	6S (1.5)0-2	3422.267
	6S (1.5)0-1	3540.766
	6S*(0.5)0-0	4977.999
	6S*(0.5)0-1	5235.646
12P (2.5)E-2	6S (1.5)0-2	3420.803
	6S (1.5)0-1	3539.199
	6S*(0.5)0-1	5232.221
12P (2.5)E-3	6S (1.5)0-2	3420.000
12P (1.5)E-1	6S (1.5)0-2	3419.075
	6S (1.5)0-1	3537.250
	6S*(0.5)0-0	4971.248
	6S*(0.5)0-1	5228.179
12P (1.5)E-2	6S (1.5)0-2	3418.370
	6S (1.5)0-1	3536.595
	6S*(0.5)0-1	5226.531
12P (0.5)E-0	6S (1.5)0-1	3533.479
	6S*(0.5)0-1	5219.728
12P (0.5)E-1	7S (1.5)0-2	9014.019
	7S (1.5)0-1	9222.931
12P (2.5)E-2	7S (1.5)0-2	9003.871
	7S (1.5)0-1	9212.307
12P (2.5)E-3	7S (1.5)0-2	8998.311
12P (1.5)E-1	7S (1.5)0-2	8991.909
	7S (1.5)0-1	9199.786
12P (1.5)E-2	7S (1.5)0-2	8987.0[illegible]
	7S (1.5)0-1	9194.6[illegible]
12P (0.5)E-0	7S (1.5)0-1	9173.649
12P (0.5)E-1	5D (0.5)0-0	6055.885
	5D (0.5)0-1	6135.934
	5D (1.5)0-2	6265.184
	5D (1.5)0-1	8069.051
	5D (2.5)0-2	6964.753
12P (2.5)E-2	5D (0.5)0-1	6131.230
	5D (3.5)0-3	6524.905
	5D (1.5)0-2	6260.280
	5D (1.5)0-1	8060.918
	5D (2.5)0-2	6958.693
	5D (2.5)0-3	7212.045
12P (2.5)E-3	5D (3.5)0-4	6208.579
	5D (3.5)0-3	6521.985
	5D (1.5)0-2	6257.592
	5D (2.5)0-2	6955.372
	5D (2.5)0-3	7208.477
12P (1.5)E-1	5D (0.5)0-0	6045.898
	5D (0.5)0-1	6125.681
	5D (1.5)0-2	6254.495
	5D (1.5)0-1	8051.329
	5D (2.5)0-2	6951.546
12P (1.5)E-2	5D (0.5)0-1	6123.418
	5D (3.5)0-3	6516.059
	5D (1.5)0-2	6252.136
	5D (1.5)0-1	8047.421
	5D (2.5)0-2	6948.633
	5D (2.5)0-3	7201.239
12P (0.5)E-0	5D (0.5)0-1	6114.082
	5D (1.5)0-1	8031.304
13P (2.5)E-3	6S (1.5)0-2	3384.360
13P (1.5)E-2	6S (1.5)0-2	3383.200
	6S (1.5)0-1	3498.964
	6S*(0.5)0-1	5144.761
13P (0.5)E-0	6S (1.5)0-1	3496.860
	6S*(0.5)0-1	5140.214
13P (2.5)E-3	7S (1.5)0-2	8755.722
13P (1.5)E-2	7S (1.5)0-2	8747.961
	7S (1.5)0-1	8944.588
13P (0.5)E-0	7S (1.5)0-1	8930.853

XENON TRANSITIONS BY MULTIPLETS

Upper State	Lower State	λ
13P (2.5)E-3	5D (3.5)0-4	6092.118
	5D (3.5)0-3	6393.591
	5D (1.5)0-2	6139.302
	5D (2.5)0-2	6809.538
	5D (2.5)0-3	7051.956
13P (1.5)E-2	5D (0.5)0-1	6011.478
	5D (3.5)0-3	6389.451
	5D (1.5)0-2	6135.485
	5D (1.5)0-1	7855.190
	5D (2.5)0-2	6804.843
	5D (2.5)0-3	7046.921
13P (0.5)E-0	5D (0.5)0-1	6005.271
	5D (1.5)0-1	7844.595
14P (2.5)E-3	6S (1.5)0-2	3358.959
14P (1.5)E-2	6S (1.5)0-2	3358.170
	6S (1.5)0-1	3472.198
	6S*(0.5)0-1	5087.103
14P (2.5)E-3	7S (1.5)0-2	8587.720
14P (1.5)E-2	7S (1.5)0-2	8582.559
	7S (1.5)0-1	8771.741
14P (2.5)E-3	5D (3.5)0-4	6010.307
	5D (3.5)0-3	6303.542
	5D (1.5)0-2	6056.227
	5D (2.5)0-2	6707.485
	5D (2.5)0-3	6942.567
14P (1.5)E-2	5D (0.5)0-1	5932.906
	5D (3.5)0-3	6300.761
	5D (1.5)0-2	6053.660
	5D (1.5)0-1	7721.568
	5D (2.5)0-2	6704.337
	5D (2.5)0-3	6939.193
15P (2.5)E-3	6S (1.5)0-2	3340.044
15P (2.5)E-3	7S (1.5)0-2	8465.156
15P (2.5)E-3	5D (3.5)0-4	5950.014
	5D (3.5)0-3	6237.255
	5D (1.5)0-2	5995.014
	5D (2.5)0-2	6632.481
	5D (2.5)0-3	6862.244
5D*(1.5)0-2	6P (0.5)E-1	7051.071
	6P (2.5)E-2	7501.115
	6P (2.5)E-3	7664.002
	6P (1.5)E-1	8003.277
	6P (1.5)E-2	8171.017
5D*(1.5)0-1	6P (0.5)E-1	6114.856
	6P (2.5)E-2	6450.480
	6P (1.5)E-1	6818.376
	6P (1.5)E-2	6939.747
	6P (0.5)E-0	7405.768
5D*(2.5)0-2	6P (0.5)E-1	7200.808
	6P (2.5)E-2	7670.807
	6P (2.5)E-3	7841.230
	6P (1.5)E-1	8196.741
	6P (1.5)E-2	8372.778
5D*(2.5)0-3	6P (2.5)E-2	7336.480
	6P (2.5)E-3	7492.221
	6P (1.5)E-2	7976.045
6D (0.5)0-0	6P (0.5)E-1	8908.728
6D (0.5)0-1	6P (0.5)E-1	8862.322
	6P (2.5)E-2	9585.122
6D (3.5)0-4	6P (2.5)E-3	9513.378
6D (3.5)0-3	6P (2.5)E-2	9167.520
	6P (2.5)E-3	9411.996
6D (1.5)0-2	6P (0.5)E-1	8739.389
	6P (2.5)E-2	9441.481
	6P (2.5)E-3	9700.994
6D (1.5)0-1	6P (0.5)E-1	7832.996
	6P (2.5)E-2	8392.348
	6P (1.5)E-1	9025.964
	6P (1.5)E-2	9239.884
6D (2.5)0-2	6P (0.5)E-1	8349.067
	6P (2.5)E-2	8987.555
	6P (2.5)E-3	9222.404
	6P (1.5)E-1	9718.145
	6P (1.5)E-2	9966.585
6D (2.5)0-3	6P (2.5)E-2	8758.195
	6P (2.5)E-3	8981.062
	6P (1.5)E-2	9685.317
7D (0.5)0-0	6P (0.5)E-1	6668.921
	6P (1.5)E-1	7514.521
7D (0.5)0-1	6P (0.5)E-1	6728.009
	6P (2.5)E-2	7136.563
	6P (1.5)E-1	7589.627
	6P (1.5)E-2	7740.313
	6P (0.5)E-0	8324.580
7D (3.5)0-4	6P (2.5)E-3	7119.599
7D (3.5)0-3	6P (2.5)E-2	6882.155
	6P (2.5)E-3	7019.025
	6P (1.5)E-2	7441.939
7D (1.5)0-2	6P (0.5)E-1	6469.705
	6P (2.5)E-2	6846.613
	6P (2.5)E-3	6982.059
	6P (1.5)E-1	7262.538
	6P (1.5)E-2	7400.397

Upper State	Lower State	λ
7D (1.5)0-1	6P (0.5)E-1	6472.842
	6P (2.5)E-2	6850.126
	6P (1.5)E-1	7266.491
	6P (1.5)E-2	7404.502
	6P (0.5)E-0	7937.427
7D (2.5)0-2	6P (0.5)E-1	6487.764
	6P (2.5)E-2	6866.840
	6P (2.5)E-3	7003.095
	6P (1.5)E-1	7285.301
	6P (1.5)E-2	7424.035
7D (2.5)0-3	6P (2.5)E-2	6840.961
	6P (2.5)E-3	6976.181
	6P (1.5)E-2	7393.794
8D (0.5)0-0	6P (0.5)E-1	5931.241
	6P (1.5)E-1	6590.867
8D (0.5)0-1	6P (0.5)E-1	5894.988
	6P (2.5)E-2	6206.297
	6P (1.5)E-1	6546.133
	6P (1.5)E-2	6657.926
	6P (0.5)E-0	7085.700
8D (3.5)0-4	6P (2.5)E-3	6318.062
8D (3.5)0-3	6P (2.5)E-2	6182.420
	6P (2.5)E-3	6292.649
	6P (1.5)E-2	6630.455
8D (1.5)0-2	6P (0.5)E-1	5875.019
	6P (2.5)E-2	6184.166
	6P (2.5)E-3	6294.459
	6P (1.5)E-1	6521.517
	6P (1.5)E-2	6632.464
8D (1.5)0-1	6P (0.5)E-1	5740.163
	6P (2.5)E-2	6034.925
	6P (1.5)E-1	6355.767
	6P (1.5)E-2	6461.101
	6P (0.5)E-0	6863.193
8D (2.5)0-2	6P (0.5)E-1	5856.509
	6P (2.5)E-2	6163.661
	6P (2.5)E-3	6273.217
	6P (1.5)E-1	6498.717
	6P (1.5)E-2	6608.884
8D (2.5)0-3	6P (2.5)E-2	6152.071
	6P (2.5)E-3	6261.212
	6P (1.5)E-2	6595.561
9D (0.5)0-0	6P (0.5)E-1	5581.785
	6P (1.5)E-1	6162.170
9D (0.5)0-1	6P (0.5)E-1	5566.615
	6P (2.5)E-2	5843.394
	6P (1.5)E-1	6143.688
	6P (1.5)E-2	6242.056
	6P (0.5)E-0	6616.556
9D (3.5)0-4	6P (2.5)E-3	5934.172

Upper State	Lower State	λ
9D (3.5)0-3	6P (2.5)E-2	5824.800
	6P (2.5)E-3	5922.545
	6P (1.5)E-2	6220.842
9D (1.5)0-2	6P (0.5)E-1	5552.386
	6P (2.5)E-2	5827.716
	6P (2.5)E-3	5925.560
	6P (1.5)E-1	6126.360
	6P (1.5)E-2	6224.169
9D (1.5)0-1	6P (0.5)E-1	5484.142
	6P (2.5)E-2	5752.583
	6P (1.5)E-1	6043.384
	6P (1.5)E-2	6138.541
	6P (0.5)E-0	6500.363
9D (2.5)0-2	6P (0.5)E-1	5540.391
	6P (2.5)E-2	5814.504
	6P (2.5)E-3	5911.901
	6P (1.5)E-1	6111.760
	6P (1.5)E-2	6209.100
9D (2.5)0-3	6P (2.5)E-2	5807.308
	6P (2.5)E-3	5904.462
	6P (1.5)E-2	6200.895
10D (0.5)0-0	6P (0.5)E-1	5367.031
	6P (1.5)E-1	5901.479
10D (0.5)0-1	6P (0.5)E-1	5362.244
	6P (2.5)E-2	5618.605
	6P (1.5)E-1	5895.692
	6P (1.5)E-2	5986.220
	6P (0.5)E-0	6329.806
10D (3.5)0-4	6P (2.5)E-3	5716.252
10D (3.5)0-3	6P (2.5)E-2	5618.878
	6P (2.5)E-3	5709.781
	6P (1.5)E-2	5986.530
10D (1.5)0-2	6P (0.5)E-1	5364.627
	6P (2.5)E-2	5621.221
	6P (2.5)E-3	5712.200
	6P (1.5)E-1	5898.572
	6P (1.5)E-2	5989.189
10D (1.5)0-1	6P (0.5)E-1	5324.292
	6P (2.5)E-2	5576.952
	6P (1.5)E-1	5849.846
	6P (1.5)E-2	5938.961
	6P (0.5)E-0	6276.990
10D (2.5)0-2	6P (0.5)E-1	5356.807
	6P (2.5)E-2	5612.637
	6P (2.5)E-3	5703.336
	6P (1.5)E-1	5889.121
	6P (1.5)E-2	5979.445
10D (2.5)0-3	6P (2.5)E-2	5607.973
	6P (2.5)E-3	5698.520
	6P (1.5)E-2	5974.152

XENON TRANSITIONS BY MULTIPLETS

Upper State	Lower State	λ
11D (0.5)0-0	6P (0.5)E-1	5251.890
	6P (1.5)E-1	5762.563
11D (0.5)0-1	6P (0.5)E-1	5248.984
	6P (2.5)E-2	5494.382
	6P (1.5)E-1	5759.064
	6P (1.5)E-2	5845.414
	6P (0.5)E-0	6172.585
11D (3.5)0-4	6P (2.5)E-3	5579.280
11D (3.5)0-3	6P (2.5)E-2	5488.555
	6P (2.5)E-3	5575.258
	6P (1.5)E-2	5838.819
11D (1.5)0-2	6P (0.5)E-1	5245.277
	6P (2.5)E-2	5490.321
	6P (2.5)E-3	5577.079
	6P (1.5)E-1	5754.602
	6P (1.5)E-2	5840.817
11D (1.5)0-1	6P (0.5)E-1	5219.221
	6P (2.5)E-2	5461.780
	6P (1.5)E-1	5723.255
	6P (1.5)E-2	5808.526
	6P (0.5)E-0	6131.468
11D (2.5)0-2	6P (0.5)E-1	5239.940
	6P (2.5)E-2	5484.474
	6P (2.5)E-3	5571.047
	6P (1.5)E-1	5748.179
	6P (1.5)E-2	5834.201
11D (2.5)0-3	6P (2.5)E-2	5481.308
	6P (2.5)E-3	5567.779
	6P (1.5)E-2	5830.618
12D (0.5)0-0	6P (0.5)E-1	5169.235
	6P (1.5)E-1	5663.204
12D (0.5)0-1	6P (0.5)E-1	5167.303
	6P (2.5)E-2	5404.951
	6P (1.5)E-1	5660.886
	6P (1.5)E-2	5744.295
	6P (0.5)E-0	6059.940
12D (3.5)0-4	6P (2.5)E-3	5487.050
12D (3.5)0-3	6P (2.5)E-2	5400.452
	6P (2.5)E-3	5484.372
	6P (1.5)E-2	5739.214
12D (1.5)0-2	6P (0.5)E-1	5164.405
	6P (2.5)E-2	5401.779
	6P (2.5)E-3	5485.741
	6P (1.5)E-1	5657.407
	6P (1.5)E-2	5740.713
12D (1.5)0-1	6P (0.5)E-1	5146.509
	6P (2.5)E-2	5382.204
	6P (1.5)E-1	5635.939
	6P (1.5)E-2	5718.610
	6P (0.5)E-0	6031.361

Upper State	Lower State	λ
12D (2.5)0-2	6P (0.5)E-1	5160.603
	6P (2.5)E-2	5397.621
	6P (2.5)E-3	5481.452
	6P (1.5)E-1	5652.845
	6P (1.5)E-2	5736.016
12D (2.5)0-3	6P (2.5)E-2	5395.372
	6P (2.5)E-3	5479.132
	6P (1.5)E-2	5733.477
13D (3.5)0-4	6P (2.5)E-3	5421.762
13D (3.5)0-3	6P (2.5)E-2	5337.891
	6P (2.5)E-3	5419.863
	6P (1.5)E-2	5668.609
13D (2.5)0-2	6P (0.5)E-1	5104.157
	6P (2.5)E-2	5335.902
	6P (2.5)E-3	5417.813
	6P (1.5)E-1	5585.189
	6P (1.5)E-2	5666.367
13D (2.5)0-3	6P (2.5)E-2	5334.211
	6P (2.5)E-3	5416.069
	6P (1.5)E-2	5664.460
14D (3.5)0-4	6P (2.5)E-3	5373.742
4F (1.5)E-1	6S (1.5)0-2	4205.404
	6S (1.5)0-1	4385.769
	6S*(0.5)0-0	6827.318
	6S*(0.5)0-1	7321.451
4F (1.5)E-2	6S (1.5)0-2	4203.695
	6S (1.5)0-1	4383.910
	6S*(0.5)0-1	7316.270
4F (2.5)E-3	6S (1.5)0-2	4193.530
4F (2.5)E-2	6S (1.5)0-2	4193.008
	6S (1.5)0-1	4372.288
	6S*(0.5)0-1	7283.959
4F (3.5)E-3	6S (1.5)0-2	4187.042
4F (1.5)E-1	5D (0.5)0-0	9032.170
	5D (0.5)0-1	9211.399
	5D (1.5)0-2	9505.793
4F (1.5)E-2	5D (0.5)0-1	9203.200
	5D (1.5)0-2	9497.062
4F (4.5)E-5	5D (3.5)0-4	9374.758
4F (4.5)E-4	5D (3.5)0-4	9374.010
4F (2.5)E-3	5D (3.5)0-4	9334.114
	5D (1.5)0-2	9445.337
4F (2.5)E-2	5D (0.5)0-1	9152.131
	5D (1.5)0-2	9442.689

XENON TRANSITIONS BY MULTIPLETS

Upper State	Lower State	λ
4F (3.5)E-3	5D (3.5)0-4	9302.036
	5D (1.5)0-2	9412.491
4F (3.5)E-4	5D (3.5)0-4	9201.948
5F (1.5)E-1	6S (1.5)0-2	3801.907
	6S (1.5)0-1	3948.718
	6S*(0.5)0-0	5823.890
	6S*(0.5)0-1	6179.665
5F (1.5)E-2	6S (1.5)0-2	3801.392
	6S (1.5)0-1	3948.162
	6S*(0.5)0-1	6178.304
5F (2.5)E-3	6S (1.5)0-2	3796.311
5F (2.5)E-2	6S (1.5)0-2	3795.947
	6S (1.5)0-1	3942.289
	6S*(0.5)0-1	6163.935
5F (3.5)E-3	6S (1.5)0-2	3793.525
5F (1.5)E-1	5D (0.5)0-0	7355.570
	5D (0.5)0-1	7474.000
	5D (1.5)0-2	7666.653
	5D (2.5)0-2	8741.032
5F (1.5)E-2	5D (0.5)0-1	7472.009
	5D (3.5)0-3	8065.012
	5D (1.5)0-2	7664.557
	5D (2.5)0-2	8738.309
	5D (2.5)0-3	9141.568
5F (4.5)E-5	5D (3.5)0-4	7584.680
5F (4.5)E-4	5D (3.5)0-4	7584.282
	5D (3.5)0-3	8057.253
	5D (2.5)0-3	9131.601
5F (2.5)E-3	5D (3.5)0-4	7570.923
	5D (3.5)0-3	8042.177
	5D (1.5)0-2	7643.931
	5D (2.5)0-2	8711.509
	5D (2.5)0-3	9112.242
5F (2.5)E-2	5D (0.5)0-1	7451.002
	5D (3.5)0-3	8040.544
	5D (1.5)0-2	7642.456
	5D (2.5)0-2	8709.593
	5D (2.5)0-3	9110.146
5F (3.5)E-3	5D (3.5)0-4	7559.851
	5D (3.5)0-3	8029.685
	5D (1.5)0-2	7632.644
	5D (2.5)0-2	8696.853
	5D (2.5)0-3	9096.207
5F (3.5)E-4	5D (3.5)0-4	7559.793
	5D (3.5)0-3	8029.620
	5D (2.5)0-3	9096.124

Upper State	Lower State	λ
6F (1.5)E-1	6S (1.5)0-2	3613.340
	6S (1.5)0-1	3745.696
	6S*(0.5)0-0	5392.795
	6S*(0.5)0-1	5696.478
6F (1.5)E-2	6S (1.5)0-2	3613.047
	6S (1.5)0-1	3745.382
	6S*(0.5)0-1	5695.750
6F (2.5)E-3	6S (1.5)0-2	3610.317
6F (2.5)E-2	6S (1.5)0-2	3610.077
	6S (1.5)0-1	3742.190
	6S*(0.5)0-1	5688.373
6F (3.5)E-3	6S (1.5)0-2	3608.841
6F (1.5)E-1	5D (0.5)0-0	6681.037
	5D (0.5)0-1	6778.598
	5D (1.5)0-2	6936.690
	5D (1.5)0-1	9218.362
	5D (2.5)0-2	7804.641
6F (1.5)E-2	5D (0.5)0-1	6777.567
	5D (3.5)0-3	7261.895
	5D (1.5)0-2	6935.610
	5D (1.5)0-1	9216.456
	5D (2.5)0-2	7803.274
	5D (2.5)0-3	8123.270
6F (4.5)E-5	5D (3.5)0-4	6872.108
6F (4.5)E-4	5D (3.5)0-4	6871.900
	5D (3.5)0-3	7257.932
	5D (2.5)0-3	8118.312
6F (2.5)E-3	5D (3.5)0-4	6865.572
	5D (3.5)0-3	7250.873
	5D (1.5)0-2	6925.556
	5D (2.5)0-2	7790.549
	5D (2.5)0-3	8109.481
6F (2.5)E-2	5D (0.5)0-1	6767.125
	5D (3.5)0-3	7249.908
	5D (1.5)0-2	6924.676
	5D (1.5)0-1	9197.157
	5D (2.5)0-2	7789.435
	5D (2.5)0-3	8108.274
6F (3.5)E-3	5D (3.5)0-4	6860.238
	5D (3.5)0-3	7244.924
	5D (1.5)0-2	6920.129
	5D (2.5)0-2	7783.683
	5D (2.5)0-3	8102.041
6F (3.5)E-4	5D (3.5)0-4	6860.196
	5D (3.5)0-3	7244.877
	5D (2.5)0-3	8101.982
7F (1.5)E-1	6S (1.5)0-2	3508.568
	6S (1.5)0-1	3633.228
	6S*(0.5)0-0	5162.711
	6S*(0.5)0-1	5440.366

XENON TRANSITIONS BY MULTIPLETS

Upper State	Lower State	λ
7F (1.5)E-2	6S (1.5)0-2	3508.384
	6S (1.5)0-1	3633.031
	6S*(0.5)0-1	5439.923
7F (2.5)E-3	6S (1.5)0-2	3506.740
7F (2.5)E-2	6S (1.5)0-2	3506.583
	6S (1.5)0-1	3631.100
	6S*(0.5)0-1	5435.596
7F (3.5)E-3	6S (1.5)0-2	3505.860
7F (1.5)E-1	7S (1.5)0-2	9638.448
	7S (1.5)0-1	9877.691
7F (1.5)E-2	7S (1.5)0-2	9637.057
	7S (1.5)0-1	9876.230
7F (2.5)E-3	7S (1.5)0-2	9624.561
7F (2.5)E-2	7S (1.5)0-2	9623.484
	7S (1.5)0-1	9861.975
7F (3.5)E-3	7S (1.5)0-2	9618.041
7F (1.5)E-1	5D (0.5)0-0	6331.462
	5D (0.5)0-1	6419.014
	5D (1.5)0-2	6560.603
	5D (1.5)0-1	8565.814
	5D (2.5)0-2	7331.759
7F (1.5)E-2	5D (0.5)0-1	6418.397
	5D (3.5)0-3	6851.113
	5D (1.5)0-2	6559.958
	5D (1.5)0-1	8564.715
	5D (2.5)0-2	7330.954
	5D (2.5)0-3	7612.686
7F (4.5)E-5	5D (3.5)0-4	6504.180
7F (4.5)E-4	5D (3.5)0-4	6504.036
	5D (3.5)0-3	6848.808
	5D (2.5)0-3	7609.840
7F (2.5)E-3	5D (3.5)0-4	6500.463
	5D (3.5)0-3	6844.846
	5D (1.5)0-2	6554.212
	5D (2.5)0-2	7323.778
	5D (2.5)0-3	7604.948
7F (2.5)E-2	5D (0.5)0-1	6412.373
	5D (3.5)0-3	6844.251
	5D (1.5)0-2	6553.666
	5D (1.5)0-1	8553.993
	5D (2.5)0-2	7323.097
	5D (2.5)0-3	7604.214
7F (3.5)E-3	5D (3.5)0-4	6497.442
	5D (3.5)0-3	6841.497
	5D (1.5)0-2	6551.141
	5D (2.5)0-2	7319.944
	5D (2.5)0-3	7600.814
7F (3.5)E-4	5D (3.5)0-4	6497.408
	5D (3.5)0-3	6841.459
	5D (2.5)0-3	7600.768
8F (1.5)E-1	6S (1.5)0-2	3443.882
	6S (1.5)0-1	3563.909
	6S*(0.5)0-0	5023.863
	6S*(0.5)0-1	5286.405
8F (1.5)E-2	6S (1.5)0-2	3443.756
	6S (1.5)0-1	3563.774
	6S*(0.5)0-1	5286.109
8F (2.5)E-3	6S (1.5)0-2	3442.689
8F (2.5)E-2	6S (1.5)0-2	3442.564
	6S (1.5)0-1	3562.498
	6S*(0.5)0-1	5283.301
8F (3.5)E-3	6S (1.5)0-2	3442.113
8F (1.5)E-1	7S (1.5)0-2	9165.533
	7S (1.5)0-1	9381.611
8F (1.5)E-2	7S (1.5)0-2	9164.642
	7S (1.5)0-1	9380.678
8F (2.5)E-3	7S (1.5)0-2	9157.087
8F (2.5)E-2	7S (1.5)0-2	9156.207
	7S (1.5)0-1	9371.840
8F (3.5)E-3	7S (1.5)0-2	9153.013
8F (1.5)E-1	5D (0.5)0-0	6123.898
	5D (0.5)0-1	6205.766
	5D (1.5)0-2	6338.007
	5D (1.5)0-1	8190.249
	5D (2.5)0-2	7054.863
8F (1.5)E-2	5D (0.5)0-1	6205.357
	5D (3.5)0-3	6608.922
	5D (1.5)0-2	6337.581
	5D (1.5)0-1	8189.537
	5D (2.5)0-2	7054.335
	5D (2.5)0-3	7314.829
8F (4.5)E-5	5D (3.5)0-4	6286.012
8F (4.5)E-4	5D (3.5)0-4	6285.952
	5D (3.5)0-3	6607.420
	5D (2.5)0-3	7312.989
8F (2.5)E-3	5D (3.5)0-4	6283.755
	5D (3.5)0-3	6604.993
	5D (1.5)0-2	6333.967
	5D (2.5)0-2	7049.858
	5D (2.5)0-3	7310.015

Upper State	Lower State	λ
8F (2.5)E-2	5D (0.5)0-1	6201.489
	5D (3.5)0-3	6604.535
	5D (1.5)0-2	6333.546
	5D (1.5)0-1	8182.801
	5D (2.5)0-2	7049.336
	5D (2.5)0-3	7309.454
8F (3.5)E-3	5D (3.5)0-4	6281.837
	5D (3.5)0-3	6602.873
	5D (1.5)0-2	6332.017
	5D (2.5)0-2	7047.443
	5D (2.5)0-3	7307.419
8F (3.5)E-4	5D (3.5)0-4	6281.809
	5D (3.5)0-3	6602.842
	5D (2.5)0-3	7307.381
9F (1.5)E-1	6S (1.5)0-2	3400.956
	6S (1.5)0-1	3517.959
	6S*(0.5)0-0	4933.037
	6S*(0.5)0-1	5185.933
9F (1.5)E-2	6S (1.5)0-2	3400.882
	6S (1.5)0-1	3517.880
	6S*(0.5)0-1	5185.761
9F (2.5)E-3	6S (1.5)0-2	3400.135
9F (2.5)E-2	6S (1.5)0-2	3400.058
	6S (1.5)0-1	3516.999
	6S*(0.5)0-1	5183.846
9F (3.5)E-3	6S (1.5)0-2	3399.739
9F (1.5)E-1	7S (1.5)0-2	8867.668
	7S (1.5)0-1	9069.776
9F (1.5)E-2	7S (1.5)0-2	8867.165
	7S (1.5)0-1	9069.248
9F (2.5)E-3	7S (1.5)0-2	8862.087
9F (2.5)E-2	7S (1.5)0-2	8861.568
	7S (1.5)0-1	9063.394
9F (3.5)E-3	7S (1.5)0-2	8859.401
9F (1.5)E-1	5D (0.5)0-0	5989.475
	5D (0.5)0-1	6067.766
	5D (1.5)0-2	6194.131
	5D (1.5)0-1	7951.576
	5D (2.5)0-2	6877.058
9F (1.5)E-2	5D (0.5)0-1	6067.530
	5D (3.5)0-3	6452.811
	5D (1.5)0-2	6193.885
	5D (1.5)0-1	7951.171
	5D (2.5)0-2	6876.755
	5D (2.5)0-3	7124.069

Upper State	Lower State	λ
9F (4.5)E-5	5D (3.5)0-4	6144.970
9F (4.5)E-4	5D (3.5)0-4	6144.936
	5D (3.5)0-3	6451.790
	5D (2.5)0-3	7122.825
9F (2.5)E-3	5D (3.5)0-4	6143.422
	5D (3.5)0-3	6450.121
	5D (1.5)0-2	6191.407
	5D (2.5)0-2	6873.700
	5D (2.5)0-3	7120.791
9F (2.5)E-2	5D (0.5)0-1	6064.909
	5D (3.5)0-3	6449.846
	5D (1.5)0-2	6191.154
	5D (1.5)0-1	7946.671
	5D (2.5)0-2	6873.388
	5D (2.5)0-3	7120.456
9F (3.5)E-3	5D (3.5)0-4	6142.131
	5D (3.5)0-3	6448.698
	5D (1.5)0-2	6190.096
	5D (2.5)0-2	6872.084
	5D (2.5)0-3	7119.057
9F (3.5)E-4	5D (3.5)0-4	6142.131
	5D (3.5)0-3	6448.698
	5D (2.5)0-3	7119.057
10F (1.5)E-1	6S (1.5)0-2	3370.926
	6S (1.5)0-1	3485.837
	6S*(0.5)0-0	4870.109
	6S*(0.5)0-1	5116.432
10F (1.5)E-2	6S (1.5)0-2	3370.926
	6S (1.5)0-1	3485.837
	6S*(0.5)0-1	5116.432
10F (2.5)E-3	6S (1.5)0-2	3370.358
10F (2.5)E-2	6S (1.5)0-2	3370.301
	6S (1.5)0-1	3485.169
	6S*(0.5)0-1	5114.993
10F (3.5)E-3	6S (1.5)0-2	3370.074
10F (1.5)E-1	7S (1.5)0-2	8866.371
	7S (1.5)0-1	8859.307
10F (1.5)E-2	7S (1.5)0-2	8866.371
	7S (1.5)0-1	8859.307
10F (2.5)E-3	7S (1.5)0-2	8862.617
10F (2.5)E-2	7S (1.5)0-2	8862.241
	7S (1.5)0-1	8854.992
10F (3.5)E-3	7S (1.5)0-2	8860.740

XENON TRANSITIONS BY MULTIPLETS

Upper State	Lower State	λ
10F (1.5)E-1	5D (0.5)0-1	5896.961
	5D (0.5)0-1	5972.836
	5D (1.5)0-2	6095.238
	5D (1.5)0-1	7789.341
	5D (2.5)0-2	6755.371
10F (1.5)E-2	5D (0.5)0-1	5972.836
	5D (3.5)0-3	6345.815
	5D (1.5)0-2	6095.238
	5D (1.5)0-1	7789.341
	5D (2.5)0-2	6755.371
	5D (2.5)0-3	6993.880
10F (4.5)E-5	5D (3.5)0-4	6048.002
10F (4.5)E-4	5D (3.5)0-4	6047.969
	5D (3.5)0-3	6344.982
	5D (2.5)0-3	6992.867
10F (2.5)E-3	5D (3.5)0-4	6046.897
	5D (3.5)0-3	6343.892
	5D (1.5)0-2	6093.381
	5D (2.5)0-2	6753.089
	5D (2.5)0-3	6991.434
10F (2.5)E-2	5D (0.5)0-1	5970.874
	5D (3.5)0-3	6343.601
	5D (1.5)0-2	6093.195
	5D (1.5)0-1	7786.305
	5D (2.5)0-2	6752.861
	5D (2.5)0-3	6991.190
10F (3.5)E-3	5D (3.5)0-4	6045.983
	5D (3.5)0-3	6342.796
	5D (1.5)0-2	6092.453
	5D (2.5)0-2	6751.949
	5D (2.5)0-3	6990.212
11F (2.5)E-3	6S (1.5)0-2	3348.679
11F (2.5)E-3	7S (1.5)0-2	8520.842
11F (4.5)E-5	5D (3.5)0-4	5978.294
11F (4.5)E-4	5D (3.5)0-4	5978.294
	5D (3.5)0-3	6268.338
	5D (2.5)0-3	6899.688
11F (2.5)E-3	5D (3.5)0-4	5977.472
	5D (3.5)0-3	6267.435
	5D (1.5)0-2	6022.890
	5D (2.5)0-2	6656.617
	5D (2.5)0-3	6898.793

XENON TRANSITIONS BY WAVELENGTHS

λ	Upper State	Lower State	λ	Upper State	Lower State
10004.405	10P (2.5)E-2	7S (1.5)0-2	9218.362	6F (1.5)E-1	5D (1.5)0-1
9989.540	10P (2.5)E-3	7S (1.5)0-2	9216.456	6F (1.5)E-2	5D (1.5)0-1
9969.686	10P (1.5)E-1	7S (1.5)0-2	9212.307	12P (2.5)E-2	7S (1.5)0-1
9966.585	6D (2.5)0-2	6P (1.5)E-2	9211.399	4F (1.5)E-1	5D (0.5)0-1
9956.649	10P (1.5)E-2	7S (1.5)0-2	9203.200	4F (1.5)E-2	5D (0.5)0-1
9923.195	6P (2.5)E-2	6S (1.5)0-1	9199.786	12P (1.5)E-1	7S (1.5)0-1
9877.691	7F (1.5)E-1	7S (1.5)0-1	9197.157	6F (2.5)E-2	5D (1.5)0-1
9876.230	7F (1.5)E-2	7S (1.5)0-1	9194.683	12P (1.5)E-2	7S (1.5)0-1
9861.975	7F (2.5)E-2	7S (1.5)0-1	9173.649	12P (0.5)E-0	7S (1.5)0-1
9823.397	9P (0.5)E-1	5D (1.5)0-1	9167.520	6D (3.5)0-3	6P (2.5)E-2
9799.697	6P (0.5)E-1	6S (1.5)0-2	9165.533	8F (1.5)E-1	7S (1.5)0-2
9781.874	9P (2.5)E-2	5D (1.5)0-1	9164.642	8F (1.5)E-2	7S (1.5)0-2
9774.626	8P (0.5)E-1	5D (2.5)0-2	9162.656	6P (1.5)E-1	6S (1.5)0-1
9726.003	9P (1.5)E-1	5D (1.5)0-1	9157.087	8F (2.5)E-3	7S (1.5)0-2
9718.145	6D (2.5)0-2	6P (1.5)E-1	9156.207	8F (2.5)E-2	7S (1.5)0-2
9709.997	8P (2.5)E-2	5D (2.5)0-2	9153.013	8F (3.5)E-3	7S (1.5)0-2
9705.815	9P (1.5)E-2	5D (1.5)0-1	9152.131	4F (2.5)E-2	5D (0.5)0-1
9700.994	6D (1.5)0-2	6P (2.5)E-3	9141.568	5F (1.5)E-2	5D (2.5)0-3
9685.317	6D (2.5)0-3	6P (1.5)E-2	9131.601	5F (4.5)E-4	5D (2.5)0-3
9669.064	8P (2.5)E-3	5D (2.5)0-2	9112.242	5F (2.5)E-3	5D (2.5)0-3
9638.448	7F (1.5)E-1	7S (1.5)0-2	9110.146	5F (2.5)E-2	5D (2.5)0-3
9637.057	7F (1.5)E-2	7S (1.5)0-2	9096.207	5F (3.5)E-3	5D (2.5)0-3
9624.661	7F (2.5)E-3	7S (1.5)0-2	9096.124	5F (3.5)E-4	5D (2.5)0-3
9623.484	7F (2.5)E-2	7S (1.5)0-2	9069.776	9F (1.5)E-1	7S (1.5)0-1
9621.290	11P (0.5)E-1	7S (1.5)0-1	9069.248	9F (1.5)E-2	7S (1.5)0-1
9618.041	7F (3.5)E-3	7S (1.5)0-2	9063.394	9F (2.5)E-2	7S (1.5)0-1
9616.875	9P (0.5)E-0	5D (1.5)0-1	9045.447	6P (2.5)E-2	6S (1.5)0-2
9605.779	8P (1.5)E-1	5D (2.5)0-2	9032.170	4F (1.5)E-1	5D (0.5)0-0
9604.837	11P (2.5)E-2	7S (1.5)0-1	9025.964	6D (1.5)0-1	6P (1.5)E-1
9585.122	6D (0.5)0-1	6P (2.5)E-2	9014.019	12P (0.5)E-1	7S (1.5)0-2
9584.486	11P (1.5)E-1	7S (1.5)0-1	9003.871	12P (2.5)E-2	7S (1.5)0-2
9576.489	11P (1.5)E-2	7S (1.5)0-1	8998.311	12P (2.5)E-3	7S (1.5)0-2
9570.968	8P (1.5)E-2	5D (2.5)0-2	8991.909	12P (1.5)E-1	7S (1.5)0-2
9543.460	11P (0.5)E-0	7S (1.5)0-1	8987.555	6D (2.5)0-2	6P (2.5)E-2
9513.378	6D (3.5)0-4	6P (2.5)E-3	8987.035	12P (1.5)E-2	7S (1.5)0-2
9505.793	4F (1.5)E-1	5D (1.5)0-2	8981.062	6D (2.5)0-3	6P (2.5)E-3
9497.062	4F (1.5)E-2	5D (1.5)0-2	8952.789	7P (2.5)E-2	6S*(0.5)0-1
9445.337	4F (2.5)E-3	5D (1.5)0-2	8952.256	6P (1.5)E-2	6S (1.5)0-1
9442.689	4F (2.5)E-2	5D (1.5)0-2	8944.588	13P (1.5)E-2	7S (1.5)0-1
9441.481	6D (1.5)0-2	6P (2.5)E-2	8930.853	13P (0.5)E-0	7S (1.5)0-1
9412.491	4F (3.5)E-3	5D (1.5)0-2	8930.838	6P*(1.5)E-1	6S*(0.5)0-1
9411.996	6D (3.5)0-3	6P (2.5)E-3	8908.728	6D (0.5)0-0	6P (0.5)E-1
9394.164	11P (0.5)E-1	7S (1.5)0-2	8885.698	8P (2.5)E-2	5D (3.5)0-3
9381.611	8F (1.5)E-1	7S (1.5)0-1	8875.084	10P (0.5)E-1	5D (1.5)0-1
9380.678	8F (1.5)E-2	7S (1.5)0-1	8867.668	9F (1.5)E-1	7S (1.5)0-2
9378.478	11P (2.5)E-2	7S (1.5)0-2	8867.165	9F (1.5)E-2	7S (1.5)0-2
9374.758	4F (4.5)E-5	5D (3.5)0-4	8862.322	6D (0.5)0-1	6P (0.5)E-1
9374.010	4F (4.5)E-4	5D (3.5)0-4	8862.087	9F (2.5)E-3	7S (1.5)0-2
9371.840	8F (2.5)E-2	7S (1.5)0-1	8861.568	9F (2.5)E-2	7S (1.5)0-2
9370.047	11P (2.5)E-3	7S (1.5)0-2	8859.401	9F (3.5)E-3	7S (1.5)0-2
9359.074	11P (1.5)E-1	7S (1.5)0-2	8859.307	10F (1.5)E-2	7S (1.5)0-1
9351.449	11P (1.5)E-2	7S (1.5)0-2	8859.307	10F (1.5)E-1	7S (1.5)0-1
9334.114	4F (2.5)E-3	5D (3.5)0-4	8854.992	10F (2.5)E-2	7S (1.5)0-1
9306.622	7P (0.5)E-1	6S*(0.5)0-1	8853.635	10P (2.5)E-2	5D (1.5)0-1
9302.036	4F (3.5)E-3	5D (3.5)0-4	8851.408	8P (2.5)E-3	5D (3.5)0-3
9301.948	4F (3.5)E-4	5D (3.5)0-4	8826.432	10P (1.5)E-1	5D (1.5)0-1
9245.195	8S (1.5)0-1	6P (0.5)E-0	8819.413	6P (2.5)E-3	6S (1.5)0-2
9239.884	6D (1.5)0-1	6P (1.5)E-2	8816.212	10P (1.5)E-2	5D (1.5)0-1
9222.931	12P (0.5)E-1	7S (1.5)0-1	8772.525	10P (0.5)E-0	5D (1.5)0-1
9222.404	6D (2.5)0-2	6P (2.5)E-3	8771.741	14P (1.5)E-2	7S (1.5)0-1

XENON TRANSITIONS BY WAVELENGTHS

λ	Upper State	Lower State
8769.130	8P (1.5)E-2	5D (3.5)0-3
8758.195	6D (2.5)C-3	6P (2.5)E-2
8755.722	13P (2.5)E-3	7S (1.5)0-2
8747.961	13P (1.5)E-2	7S (1.5)0-2
8741.032	5F (1.5)E-1	5D (2.5)0-2
8739.389	6D (1.5)0-2	6P (0.5)E-1
8738.309	5F (1.5)E-2	5D (2.5)0-2
8711.509	5F (2.5)E-3	5D (2.5)0-2
8709.593	5F (2.5)E-2	5D (2.5)0-2
8696.853	5F (3.5)E-3	5D (2.5)0-2
8692.164	7P (1.5)E-2	6S*(0.5)0-1
8666.371	10F (1.5)E-2	7S (1.5)0-2
8666.371	10F (1.5)E-1	7S (1.5)0-2
8662.617	10F (2.5)E-3	7S (1.5)0-2
8662.241	10F (2.5)E-2	7S (1.5)0-2
8660.740	10F (3.5)E-3	7S (1.5)0-2
8648.535	7P (1.5)E-1	6S*(0.5)0-1
8624.217	8S (1.5)0-2	6P (1.5)E-2
8587.720	14P (2.5)E-3	7S (1.5)0-2
8582.559	14P (1.5)E-2	7S (1.5)0-2
8576.021	7P (0.5)E-0	6S*(0.5)0-1
8565.814	7F (1.5)E-1	5D (1.5)0-1
8564.715	7F (1.5)E-2	5D (1.5)0-1
8559.339	9P (2.5)E-2	5D (2.5)0-3
8553.993	7F (2.5)E-2	5D (1.5)0-1
8541.510	9P (2.5)E-3	5D (2.5)0-3
8530.105	8S (1.5)C-1	6P (1.5)E-2
8522.549	7P (0.5)E-1	6S*(0.5)0-0
8520.842	11F (2.5)E-3	7S (1.5)0-2
8501.047	9P (1.5)E-2	5D (2.5)0-3
8465.156	15P (2.5)E-3	7S (1.5)0-2
8450.389	8P (0.5)E-1	5D (1.5)0-2
8437.567	8S (1.5)0-2	6P (1.5)E-1
8409.189	6P (1.5)E-1	6S (1.5)0-2
8402.042	8P (2.5)E-2	5D (1.5)0-2
8392.348	6D (1.5)0-1	6P (2.5)E-2
8372.778	5D*(2.5)0-2	6P (1.5)E-2
8372.330	11P (0.5)E-1	5D (1.5)0-1
8371.376	8P (2.5)E-3	5D (1.5)0-2
8359.868	11P (2.5)E-2	5D (1.5)0-1
8349.067	6D (2.5)0-2	6P (0.5)E-1
8347.463	8S (1.5)0-1	6P (1.5)E-1
8346.822	6P*(1.5)E-2	6S*(0.5)0-1
8344.446	11P (1.5)E-1	5D (1.5)0-1
8338.384	11P (1.5)E-2	5D (1.5)0-1
8324.580	7D (0.5)0-1	6P (0.5)E-0
8323.897	8P (1.5)E-1	5D (1.5)0-2
8313.332	11P (0.5)E-0	5D (1.5)0-1
8297.744	8P (1.5)E-2	5D (1.5)0-2
8283.891	8P (2.5)E-3	5D (3.5)0-4
8280.117	6P (0.5)E-0	6S (1.5)0-1
8266.517	6P*(0.5)E-1	6S*(0.5)0-1
8234.009	9P (0.5)E-1	5D (2.5)0-2
8231.634	6P (1.5)E-2	6S (1.5)0-2
8216.935	8P (0.5)E-1	5D (0.5)0-1
8206.340	6P*(1.5)E-1	6S*(0.5)0-0
8204.815	9P (2.5)E-2	5D (2.5)0-2
8196.741	5D*(2.5)0-2	6P (1.5)E-1
8190.249	8F (1.5)E-1	5D (1.5)0-1
8189.537	8F (1.5)E-2	5D (1.5)0-1
8188.431	9P (2.5)E-3	5D (2.5)0-2
8182.801	8F (2.5)E-2	5D (1.5)0-1
8171.215	8P (2.5)E-2	5D (0.5)0-1
8171.017	5D*(1.5)0-2	6P (1.5)E-2
8165.471	9P (1.5)E-1	5D (2.5)0-2
8151.237	9P (1.5)E-2	5D (2.5)0-2
8123.270	6F (1.5)E-2	5D (2.5)0-3
8118.312	6F (4.5)E-4	5D (2.5)0-3
8109.481	6F (2.5)E-3	5D (2.5)0-3
8108.274	6F (2.5)E-2	5D (2.5)0-3
8102.041	6F (3.5)E-3	5D (2.5)0-3
8101.982	6F (3.5)E-4	5D (2.5)0-3
8097.286	8P (1.5)E-1	5D (0.5)0-1
8074.016	8P (0.5)E-1	5D (0.5)0-0
8072.535	8P (1.5)E-2	5D (0.5)0-1
8069.051	12P (0.5)E-1	5D (1.5)0-1
8065.012	5F (1.5)E-2	5D (3.5)0-3
8061.338	8S (1.5)0-2	6P (2.5)E-3
8060.918	12P (2.5)E-2	5D (1.5)0-1
8057.253	5F (4.5)E-4	5D (3.5)0-3
8051.329	12P (1.5)E-1	5D (1.5)0-1
8047.421	12P (1.5)E-2	5D (1.5)0-1
8042.177	5F (2.5)E-3	5D (3.5)0-3
8040.544	5F (2.5)E-2	5D (3.5)0-3
8031.304	12P (0.5)E-0	5D (1.5)0-1
8029.685	5F (3.5)E-3	5D (3.5)0-3
8029.620	5F (3.5)E-4	5D (3.5)0-3
8003.277	5D*(1.5)0-2	6P (1.5)E-1
7976.045	5D*(2.5)0-3	6P (1.5)E-2
7967.343	7P (1.5)E-1	6S*(0.5)0-0
7958.453	8P (1.5)E-1	5D (0.5)0-0
7954.215	8P (0.5)E-0	5D (0.5)0-1
7951.576	9F (1.5)E-1	5D (1.5)0-1
7951.171	9F (1.5)E-2	5D (1.5)0-1
7946.671	9F (2.5)E-2	5D (1.5)0-1
7937.427	7D (1.5)C-1	6P (0.5)E-0
7887.393	6P*(0.5)E-0	6S*(0.5)0-1
7881.322	8S (1.5)0-2	6P (2.5)E-2
7855.190	12P (1.5)E-2	5D (1.5)0-1
7844.595	13P (0.5)E-0	5D (1.5)0-1
7841.230	5D*(2.5)0-2	6P (2.5)E-3
7840.092	10P (2.5)E-2	5D (2.5)0-3
7832.996	6D (1.5)0-1	6P (0.5)E-1
7830.959	10P (2.5)E-3	5D (2.5)0-3
7810.733	10P (1.5)E-2	5D (2.5)0-3
7804.641	6F (1.5)E-1	5D (2.5)0-2
7803.274	6F (1.5)E-2	5D (2.5)0-2
7802.651	8S (1.5)0-1	6P (2.5)E-2
7790.549	6F (2.5)E-3	5D (2.5)0-2
7789.435	6F (2.5)E-2	5D (2.5)0-2
7789.341	10F (1.5)E-2	5D (1.5)0-1
7789.341	10F (1.5)E-1	5D (1.5)0-1
7786.005	10F (2.5)E-2	5D (1.5)0-1
7783.683	6F (3.5)E-3	5D (2.5)0-2
7740.313	7D (0.5)0-1	6P (1.5)E-2
7721.568	14P (1.5)E-2	5D (1.5)0-1
7670.807	5D*(2.5)0-2	6P (2.5)E-2
7666.653	5F (1.5)E-1	5D (1.5)0-2
7664.557	5F (1.5)E-2	5D (1.5)0-2
7664.002	5D*(1.5)0-2	6P (2.5)E-3

λ	Upper State	Lower State	λ	Upper State	Lower State
7643.931	5F (2.5)E-3	5D (1.5)0-2	7266.491	7D (1.5)0-1	6P (1.5)E-1
7642.456	5F (2.5)E-2	5D (1.5)0-2	7262.538	7D (1.5)0-2	6P (1.5)E-1
7642.025	6P*(0.5)E-1	6S*(0.5)0-0	7261.895	6F (1.5)E-2	5D (3.5)0-3
7632.644	5F (3.5)E-3	5D (1.5)0-2	7257.932	6F (4.5)E-4	5D (3.5)0-3
7612.686	7F (1.5)E-2	5D (2.5)0-3	7251.015	9P (2.5)E-2	5D (1.5)0-2
7609.840	7F (4.5)E-4	5D (2.5)0-3	7250.873	6F (2.5)E-3	5D (3.5)0-3
7608.415	9P (2.5)E-2	5D (3.5)0-3	7249.908	6F (2.5)E-2	5D (3.5)0-3
7604.948	7F (2.5)E-3	5D (2.5)0-3	7244.924	6F (3.5)E-3	5D (3.5)0-3
7604.214	7F (2.5)E-2	5D (2.5)0-3	7244.877	6F (3.5)E-4	5D (3.5)0-3
7600.814	7F (3.5)E-3	5D (2.5)0-3	7238.216	9P (2.5)E-3	5D (1.5)0-2
7600.768	7F (3.5)E-4	5D (2.5)0-3	7220.270	9P (1.5)E-1	5D (1.5)0-2
7594.324	9P (2.5)E-3	5D (3.5)0-3	7212.045	12P (2.5)E-2	5D (2.5)0-3
7589.627	7D (0.5)0-1	6P (1.5)E-1	7209.138	9P (1.5)E-2	5D (1.5)0-2
7584.680	5F (4.5)E-5	5D (3.5)0-4	7208.477	12P (2.5)E-3	5D (2.5)0-3
7584.282	5F (4.5)E-4	5D (3.5)0-4	7201.239	12P (1.5)E-2	5D (2.5)0-3
7570.923	5F (2.5)E-3	5D (3.5)0-4	7200.808	5D*(2.5)0-2	6P (0.5)E-1
7562.321	9P (1.5)E-2	5D (3.5)0-3	7189.545	11P (0.5)E-1	5D (2.5)0-2
7559.851	5F (3.5)E-3	5D (3.5)0-4	7180.354	11P (2.5)E-2	5D (2.5)0-2
7559.793	5F (3.5)E-4	5D (3.5)0-4	7175.411	11P (2.5)E-3	5D (2.5)0-2
7557.165	10P (0.5)E-1	5D (2.5)0-2	7172.719	9P (2.5)E-3	5D (3.5)0-4
7541.607	10P (2.5)E-2	5D (2.5)0-2	7168.974	11P (1.5)E-1	5D (2.5)0-2
7533.157	10P (2.5)E-3	5D (2.5)0-2	7164.499	11P (1.5)E-2	5D (2.5)0-2
7521.861	10P (1.5)E-1	5D (2.5)0-2	7136.563	7D (0.5)0-1	6P (2.5)E-2
7514.956	9S (0.5)0-1	6P (0.5)E-0	7124.069	9F (1.5)E-2	5D (2.5)0-3
7514.521	7D (0.5)0-0	6P (1.5)E-1	7122.825	9F (4.5)E-4	5D (2.5)0-3
7514.437	10P (1.5)E-2	5D (2.5)0-2	7120.791	9F (2.5)E-3	5D (2.5)0-3
7501.115	5D*(1.5)0-2	6P (2.5)E-2	7120.456	9F (2.5)E-2	5D (2.5)0-3
7492.221	5D*(2.5)0-3	6P (2.5)E-3	7119.599	7D (3.5)0-4	6P (2.5)E-3
7474.000	5F (1.5)E-1	5D (0.5)0-1	7119.057	9F (3.5)E-3	5D (2.5)0-3
7472.009	5F (1.5)E-2	5D (0.5)0-1	7119.057	9F (3.5)E-4	5D (2.5)0-3
7451.002	5F (2.5)E-2	5D (0.5)0-1	7100.168	9P (0.5)E-1	5D (0.5)0-1
7450.416	11P (2.5)E-2	5D (2.5)0-3	7085.700	8D (0.5)0-1	6P (0.5)E-0
7445.095	11P (2.5)E-3	5D (2.5)0-3	7078.450	9P (2.5)E-2	5D (0.5)0-1
7441.939	7D (3.5)0-3	6P (1.5)E-2	7054.863	8F (1.5)E-1	5D (2.5)0-2
7433.348	11P (1.5)E-2	5D (2.5)0-3	7054.335	8F (1.5)E-2	5D (2.5)0-2
7424.035	7D (2.5)0-2	6P (1.5)E-2	7051.956	13P (2.5)E-3	5D (2.5)0-3
7405.768	5D*(1.5)0-1	6P (0.5)E-0	7051.071	5D*(1.5)0-2	6P (0.5)E-1
7404.502	7D (1.5)0-1	6P (1.5)E-2	7049.858	8F (2.5)E-3	5D (2.5)0-2
7400.397	7D (1.5)0-2	6P (1.5)E-2	7049.336	8F (2.5)E-2	5D (2.5)0-2
7393.794	7D (2.5)0-3	6P (1.5)E-2	7049.147	9P (1.5)E-1	5D (0.5)0-1
7386.006	8S (1.5)0-2	6P (0.5)E-1	7047.443	8F (3.5)E-3	5D (2.5)0-2
7355.570	5F (1.5)E-1	5D (0.5)0-0	7047.369	9S (1.5)0-2	6P (1.5)E-2
7336.480	5D*(2.5)0-3	6P (2.5)E-2	7046.921	13P (1.5)E-2	5D (2.5)0-3
7331.759	7F (1.5)E-1	5D (2.5)0-2	7038.536	9P (1.5)E-2	5D (0.5)0-1
7330.954	7F (1.5)E-2	5D (2.5)0-2	7035.537	9S (0.5)0-1	6P (1.5)E-2
7323.778	7F (2.5)E-3	5D (2.5)0-2	7034.747	10P (2.5)E-2	5D (3.5)0-3
7323.097	7F (2.5)E-2	5D (2.5)0-2	7027.394	10P (2.5)E-3	5D (3.5)0-3
7321.451	4F (1.5)E-1	6S*(0.5)0-1	7019.025	7D (3.5)0-3	6P (2.5)E-3
7319.944	7F (3.5)E-3	5D (2.5)0-2	7011.101	10P (1.5)E-2	5D (3.5)0-3
7316.869	8S (1.5)0-1	6P (0.5)E-1	7003.095	7D (2.5)0-2	6P (2.5)E-3
7316.270	4F (1.5)E-2	6S*(0.5)0-1	6993.880	10F (1.5)E-2	5D (2.5)0-3
7314.829	8F (1.5)E-2	5D (2.5)0-3	6993.204	9P (0.5)E-1	5D (0.5)0-0
7312.989	8F (4.5)E-4	5D (2.5)0-3	6992.867	10F (4.5)E-4	5D (2.5)0-3
7310.015	8F (2.5)E-3	5D (2.5)0-3	6991.645	9P (0.5)E-0	5D (0.5)0-1
7309.454	8F (2.5)E-2	5D (2.5)0-3	6991.434	10F (2.5)E-3	5D (2.5)0-3
7307.419	8F (3.5)E-3	5D (2.5)0-3	6991.190	10F (2.5)E-2	5D (2.5)0-3
7307.381	8F (3.5)E-4	5D (2.5)0-3	6990.212	10F (3.5)E-3	5D (2.5)0-3
7285.301	7D (2.5)0-2	6P (1.5)E-1	6982.059	7D (1.5)0-2	6P (2.5)E-3
7283.959	4F (2.5)E-2	6S*(0.5)0-1	6976.181	7D (2.5)0-3	6P (2.5)E-3
7273.806	9P (0.5)E-1	5D (1.5)0-2	6964.753	12P (0.5)E-1	5D (2.5)0-2

λ	Upper State	Lower State	λ	Upper State	Lower State
6958.693	12P (2.5)E-2	5D (2.5)0-2	6707.485	14P (2.5)E-3	5D (2.5)0-2
6955.372	12P (2.5)E-3	5D (2.5)0-2	6706.492	10P (1.5)E-2	5D (1.5)0-2
6951.546	12P (1.5)E-1	5D (2.5)0-2	6705.519	11P (1.5)E-2	5D (3.5)0-3
6948.633	12P (1.5)E-2	5D (2.5)0-2	6704.337	14P (1.5)E-2	5D (2.5)0-2
6943.704	9P (1.5)E-1	5D (0.5)0-0	6681.037	6F (1.5)E-1	5D (0.5)0-0
6942.567	14P (2.5)E-3	5D (2.5)0-3	6678.963	8P (0.5)E-1	6S*(0.5)0-1
6939.747	5D*(1.5)0-1	6P (1.5)E-2	6668.921	7D (0.5)0-3	6P (0.5)E-1
6939.193	14P (1.5)E-2	5D (2.5)0-3	6666.955	9S (1.5)0-2	6P (2.5)E-3
6936.690	6F (1.5)E-1	5D (1.5)0-2	6666.617	11F (2.5)E-3	5D (2.5)0-2
6935.610	6F (1.5)E-2	5D (1.5)0-2	6664.883	10P (2.5)E-3	5D (3.5)0-4
6925.556	6F (2.5)E-3	5D (1.5)0-2	6657.926	8D (0.5)0-1	6P (1.5)E-2
6924.676	6F (2.5)E-2	5D (1.5)0-2	6648.729	8P (2.5)E-2	6S*(0.5)0-1
6922.237	9S (1.5)0-2	6P (1.5)E-1	6632.481	15P (2.5)E-3	5D (2.5)0-2
6920.129	6F (3.5)E-3	5D (1.5)0-2	6632.464	8D (1.5)0-2	6P (1.5)E-2
6910.821	9S (0.5)0-1	6P (1.5)E-1	6630.455	8D (3.5)0-3	6P (1.5)E-2
6899.888	11F (4.5)E-4	5D (2.5)0-3	6616.556	9D (0.5)0-1	6P (0.5)E-0
6898.793	11F (2.5)E-3	5D (2.5)0-3	6608.922	8F (1.5)E-2	5D (3.5)0-3
6882.155	7D (3.5)0-3	6P (2.5)E-2	6608.884	8D (2.5)0-2	6P (1.5)E-2
6877.058	9F (1.5)E-1	5D (2.5)0-2	6607.420	8F (4.5)E-4	5D (3.5)0-3
6876.755	9F (1.5)E-2	5D (2.5)0-2	6604.993	8F (2.5)E-3	5D (3.5)0-3
6873.700	9F (2.5)E-3	5D (2.5)0-2	6604.535	8F (2.5)E-2	5D (3.5)0-3
6873.388	9F (2.5)E-2	5D (2.5)0-2	6602.873	8F (3.5)E-3	5D (3.5)0-3
6872.108	6F (4.5)E-5	5D (3.5)0-4	6602.842	8F (3.5)E-4	5D (3.5)0-3
6872.084	9F (3.5)E-3	5D (2.5)0-2	6599.700	8P (1.5)E-1	6S*(0.5)0-1
6871.900	6F (4.5)E-4	5D (3.5)0-4	6595.561	8D (2.5)0-3	6P (1.5)E-2
6866.840	7D (2.5)0-2	6P (2.5)E-2	6591.132	10P (0.5)E-1	5D (0.5)0-1
6865.572	6F (2.5)E-3	5D (3.5)0-4	6590.867	8D (0.5)0-0	6P (1.5)E-1
6863.193	8D (1.5)0-1	6P (0.5)E-0	6583.249	8P (1.5)E-2	6S*(0.5)0-1
6862.244	15P (2.5)E-3	5D (2.5)0-3	6579.294	10P (2.5)E-2	5D (0.5)0-1
6860.238	6F (3.5)E-3	5D (3.5)0-4	6564.261	10P (1.5)E-1	5D (0.5)0-1
6860.196	6F (3.5)E-4	5D (3.5)0-4	6560.603	7F (1.5)E-1	5D (1.5)0-2
6851.113	7F (1.5)E-2	5D (3.5)0-3	6559.958	7F (1.5)E-2	5D (1.5)0-2
6850.126	7D (1.5)0-1	6P (2.5)E-2	6558.607	10P (1.5)E-2	5D (0.5)0-1
6848.808	7F (4.5)E-4	5D (3.5)0-3	6554.212	7F (2.5)E-3	5D (1.5)0-2
6846.613	7D (1.5)0-2	6P (2.5)E-2	6553.666	7F (2.5)E-2	5D (1.5)0-2
6844.846	7F (2.5)E-3	5D (3.5)0-3	6551.141	7F (3.5)E-3	5D (1.5)0-2
6844.251	7F (2.5)E-2	5D (3.5)0-3	6546.133	8D (0.5)0-1	6P (1.5)E-1
6841.497	7F (3.5)E-3	5D (3.5)0-3	6543.361	9S (1.5)0-2	6P (2.5)E-2
6841.459	7F (3.5)E-4	5D (3.5)0-3	6534.398	10P (0.5)E-0	5D (0.5)0-1
6840.961	7D (2.5)0-3	6P (2.5)E-2	6533.159	9S (0.5)0-1	6P (2.5)E-2
6827.318	4F (1.5)E-1	6S*(0.5)0-0	6524.905	12P (2.5)E-2	5D (3.5)0-3
6818.376	5D*(1.5)0-1	6P (1.5)E-1	6521.985	12P (2.5)E-3	5D (3.5)0-3
6815.625	10S (1.5)0-1	6P (0.5)E-0	6521.517	8D (1.5)0-2	6P (1.5)E-1
6809.538	13P (2.5)E-3	5D (2.5)0-2	6516.059	12P (1.5)E-2	5D (3.5)0-3
6804.843	13P (1.5)E-2	5D (2.5)0-2	6504.345	8P (0.5)E-0	6S*(0.5)0-1
6778.598	6F (1.5)E-1	5D (0.5)0-1	6504.180	7F (4.5)E-5	5D (3.5)0-4
6777.567	6F (1.5)E-2	5D (0.5)0-1	6504.036	7F (4.5)E-4	5D (3.5)0-4
6767.125	6F (2.5)E-2	5D (0.5)0-1	6500.463	7F (2.5)E-3	5D (3.5)0-4
6755.371	10F (1.5)E-1	5D (2.5)0-2	6500.363	9D (1.5)0-1	6P (0.5)E-0
6755.371	10F (1.5)E-2	5D (2.5)0-2	6498.856	10P (0.5)E-1	5D (0.5)0-0
6753.089	10F (2.5)E-3	5D (2.5)0-2	6498.717	8D (2.5)0-2	6P (1.5)E-1
6752.861	10F (2.5)E-2	5D (2.5)0-2	6497.442	7F (3.5)E-3	5D (3.5)0-4
6751.949	10F (3.5)E-3	5D (2.5)0-2	6497.408	7F (3.5)E-4	5D (3.5)0-4
6740.504	10P (0.5)E-1	5D (1.5)0-2	6487.764	7D (2.5)0-2	6P (0.5)E-1
6728.124	10P (2.5)E-2	5D (1.5)0-2	6472.842	7D (1.5)0-1	6P (0.5)E-1
6728.009	7D (0.5)0-1	6P (0.5)E-1	6472.730	10P (1.5)E-1	5D (0.5)0-0
6721.398	10P (2.5)E-3	5D (1.5)0-2	6469.705	7D (1.5)0-2	6P (0.5)E-1
6719.406	11P (2.5)E-2	5D (3.5)0-3	6461.504	11S (1.5)0-1	6P (0.5)E-0
6715.077	11P (2.5)E-3	5D (3.5)0-3	6461.101	8D (1.5)0-1	6P (1.5)E-2
6712.404	10P (1.5)E-1	5D (1.5)0-2	6452.811	9F (1.5)E-2	5D (3.5)0-3

λ	Upper State	Lower State	λ	Upper State	Lower State
6451.790	9F (4.5)E-4	5D (3.5)0-3	6252.136	12P (1.5)E-2	5D (1.5)0-2
6450.480	5D*(1.5)0-1	6P (2.5)E-2	6246.789	12S (1.5)0-1	6P (0.5)E-0
6450.121	9F (2.5)E-3	5D (3.5)0-3	6242.056	9D (0.5)0-1	6P (1.5)E-2
6449.846	9F (2.5)E-2	5D (3.5)0-3	6237.255	15P (2.5)E-3	5D (3.5)0-3
6448.698	9F (3.5)E-3	5D (3.5)0-3	6225.125	11P (0.5)E-1	5D (0.5)0-0
6448.698	9F (3.5)E-4	5D (3.5)0-3	6224.169	9D (1.5)0-2	6P (1.5)E-2
6446.499	11P (0.5)E-1	5D (1.5)0-2	6220.842	9D (3.5)0-3	6P (1.5)E-2
6439.108	11P (2.5)E-2	5D (1.5)0-2	6209.697	11P (1.5)E-1	5D (0.5)0-0
6435.133	11P (2.5)E-3	5D (1.5)0-2	6209.100	9D (2.5)0-2	6P (1.5)E-2
6430.145	10S (1.5)0-2	6P (1.5)E-2	6208.579	12P (2.5)E-3	5D (3.5)0-4
6429.955	11P (1.5)E-1	5D (1.5)0-2	6206.297	8D (0.5)0-1	6P (2.5)E-2
6426.355	11P (1.5)E-2	5D (1.5)0-2	6205.766	8F (1.5)E-1	5D (0.5)0-1
6419.014	7F (1.5)E-1	5D (0.5)0-1	6205.357	8F (1.5)E-2	5D (0.5)0-1
6418.927	10S (1.5)0-1	6P (1.5)E-2	6201.489	8F (2.5)E-2	5D (0.5)0-1
6418.397	7F (1.5)E-2	5D (0.5)0-1	6200.895	9D (2.5)0-3	6P (1.5)E-2
6412.373	7F (2.5)E-2	5D (0.5)0-1	6198.260	9S (1.5)0-2	6P (0.5)E-1
6393.591	13P (2.5)E-3	5D (3.5)0-3	6195.499	8P (1.5)E-1	6S*(0.5)0-0
6389.451	13P (1.5)E-2	5D (3.5)0-3	6194.131	9F (1.5)E-1	5D (1.5)0-2
6383.311	11P (2.5)E-3	5D (3.5)0-4	6193.885	9F (1.5)E-2	5D (1.5)0-2
6375.134	7S*(0.5)0-1	6P (0.5)E-0	6191.407	9F (2.5)E-3	5D (1.5)0-2
6355.767	8D (1.5)0-1	6P (1.5)E-1	6191.154	9F (2.5)E-2	5D (1.5)0-2
6345.815	10F (1.5)E-2	5D (3.5)0-3	6190.096	9F (3.5)E-3	5D (1.5)0-2
6344.982	10F (4.5)E-4	5D (3.5)0-3	6189.105	9S (0.5)0-1	6P (0.5)E-1
6343.802	10F (2.5)E-3	5D (3.5)0-3	6184.166	8D (1.5)0-2	6P (2.5)E-2
6343.601	10F (2.5)E-2	5D (3.5)0-3	6182.420	8D (3.5)0-3	6P (2.5)E-2
6342.796	10F (3.5)E-3	5D (3.5)0-3	6179.665	5F (1.5)E-1	6S*(0.5)0-1
6338.007	8F (1.5)E-1	5D (1.5)0-2	6178.304	5F (1.5)E-2	6S*(0.5)0-1
6337.581	8F (1.5)E-2	5D (1.5)0-2	6172.585	11D (0.5)0-1	6P (0.5)E-0
6333.967	8F (2.5)E-3	5D (1.5)0-2	6163.935	5F (2.5)E-2	6S*(0.5)0-1
6333.546	8F (2.5)E-2	5D (1.5)0-2	6163.661	8D (2.5)0-2	6P (2.5)E-2
6332.017	8F (3.5)E-3	5D (1.5)0-2	6162.170	9D (0.5)0-0	6P (1.5)E-1
6331.462	7F (1.5)E-1	5D (0.5)0-0	6152.071	8D (2.5)0-3	6P (2.5)E-2
6329.806	10D (0.5)0-1	6P (0.5)E-0	6144.970	9F (4.5)E-5	5D (3.5)0-4
6325.810	10S (1.5)0-2	6P (1.5)E-1	6144.936	9F (4.5)E-4	5D (3.5)0-4
6318.062	8D (3.5)0-4	6P (2.5)E-3	6143.688	9D (0.5)0-1	6P (1.5)E-1
6314.952	10S (1.5)0-1	6P (1.5)E-1	6143.422	9F (2.5)E-3	5D (3.5)0-4
6309.741	11P (0.5)E-1	5D (0.5)0-1	6142.131	9F (3.5)E-3	5D (3.5)0-4
6303.542	14P (2.5)E-3	5D (3.5)0-3	6142.131	9F (3.5)E-4	5D (3.5)0-4
6302.660	11P (2.5)E-2	5D (0.5)0-1	6139.302	13P (2.5)E-3	5D (1.5)0-2
6300.761	14P (1.5)E-2	5D (3.5)0-3	6138.541	9D (1.5)0-1	6P (1.5)E-2
6294.459	8D (1.5)0-2	6P (2.5)E-3	6135.934	12P (0.5)E-1	5D (0.5)0-1
6293.891	11P (1.5)E-1	5D (0.5)0-1	6135.485	13P (1.5)E-2	5D (1.5)0-2
6292.649	8D (3.5)0-3	6P (2.5)E-3	6131.468	11D (1.5)0-1	6P (0.5)E-0
6290.442	11P (1.5)E-2	5D (0.5)0-1	6131.230	12P (2.5)E-2	5D (0.5)0-1
6286.012	8F (4.5)E-5	5D (3.5)0-4	6126.360	9D (1.5)0-2	6P (1.5)E-1
6285.952	8F (4.5)E-4	5D (3.5)0-4	6125.681	12P (1.5)E-1	5D (0.5)0-1
6283.755	8F (2.5)E-3	5D (3.5)0-4	6123.898	8F (1.5)E-1	5D (0.5)0-0
6281.837	8F (3.5)E-3	5D (3.5)0-4	6123.418	12P (1.5)E-2	5D (0.5)0-1
6281.809	8F (3.5)E-4	5D (3.5)0-4	6114.856	5D*(1.5)0-1	6P (0.5)E-1
6276.990	10D (1.5)0-1	6P (0.5)E-0	6114.082	12P (0.5)E-0	5D (0.5)0-1
6276.174	11P (0.5)E-0	5D (0.5)0-1	6111.952	10S (1.5)0-2	6P (2.5)E-3
6273.217	8D (2.5)0-2	6P (2.5)E-3	6111.760	9D (2.5)0-2	6P (1.5)E-1
6268.338	11F (4.5)E-4	5D (3.5)0-3	6110.163	13S (1.5)0-1	6P (0.5)E-0
6267.435	11F (2.5)E-3	5D (3.5)0-3	6108.355	11S (1.5)0-2	6P (1.5)E-2
6265.303	8P (0.5)E-1	6S*(0.5)0-0	6103.876	11S (1.5)0-1	6P (1.5)E-2
6265.184	12P (0.5)E-1	5D (1.5)0-2	6095.238	10F (1.5)E-2	5D (1.5)0-2
6261.212	8D (2.5)0-3	6P (2.5)E-3	6095.238	10F (1.5)E-1	5D (1.5)0-2
6260.280	12P (2.5)E-2	5D (1.5)0-2	6093.381	10F (2.5)E-3	5D (1.5)0-2
6257.592	12P (2.5)E-3	5D (1.5)0-2	6093.195	10F (2.5)E-2	5D (1.5)0-2
6254.495	12P (1.5)E-1	5D (1.5)0-2	6092.453	10F (3.5)E-3	5D (1.5)0-2

XENON TRANSITIONS BY WAVELENGTHS

λ	Upper State	Lower State	λ	Upper State	Lower State
6092.118	13P (2.5)E-3	5D (3.5)0-4	5886.333	9P (1.5)E-1	6S*(0.5)0-1
6067.766	9F (1.5)E-1	5D (0.5)0-1	5878.932	9P (1.5)E-2	6S*(0.5)0-1
6067.530	9F (1.5)E-2	5D (0.5)0-1	5875.019	8D (1.5)0-2	6P (0.5)E-1
6064.909	9F (2.5)E-2	5D (0.5)0-1	5856.509	8D (2.5)0-2	6P (0.5)E-1
6059.940	12D (0.5)0-1	6P (0.5)E-0	5849.846	10D (1.5)0-1	6P (1.5)E-1
6056.227	14P (2.5)E-3	5D (1.5)0-2	5846.183	9P (0.5)E-0	6S*(0.5)0-1
6055.885	12P (0.5)E-1	5D (0.5)0-0	5845.414	11D (0.5)0-1	6P (1.5)E-2
6053.660	14P (1.5)E-2	5D (1.5)0-2	5843.394	9D (0.5)0-1	6P (2.5)E-2
6048.002	10F (4.5)E-5	5D (3.5)0-4	5840.817	11D (1.5)0-2	6P (1.5)E-2
6047.969	10F (4.5)E-4	5D (3.5)0-4	5838.819	11D (3.5)0-3	6P (1.5)E-2
6046.897	10F (2.5)E-3	5D (3.5)0-4	5834.201	11D (2.5)0-2	6P (1.5)E-2
6045.983	10F (3.5)E-3	5D (3.5)0-4	5830.618	11D (2.5)0-3	6P (1.5)E-2
6045.898	12P (1.5)E-1	5D (0.5)0-0	5828.207	12S (1.5)0-2	6P (1.5)E-1
6043.384	9D (1.5)0-1	6P (1.5)E-1	5827.716	9D (1.5)0-2	6P (2.5)E-2
6034.925	8D (1.5)0-1	6P (2.5)E-2	5824.800	9D (3.5)0-3	6P (2.5)E-2
6031.361	12D (1.5)0-1	6P (0.5)E-0	5823.890	5F (1.5)E-1	6S*(0.5)0-0
6026.745	7S*(0.5)0-1	6P (1.5)E-2	5823.607	12S (1.5)0-1	6P (1.5)E-1
6022.891	11F (2.5)E-3	5D (1.5)0-2	5820.499	11S (1.5)0-2	6P (2.5)E-3
6015.755	14S (1.5)0-1	6P (0.5)E-0	5814.504	9D (2.5)0-2	6P (2.5)E-2
6014.125	11S (1.5)0-2	6P (1.5)E-1	5808.526	11D (1.5)0-1	6P (1.5)E-2
6011.478	13P (1.5)E-2	5D (0.5)0-1	5807.308	9D (2.5)0-3	6P (2.5)E-2
6010.307	14P (2.5)E-3	5D (3.5)0-4	5792.252	13S (1.5)0-2	6P (1.5)E-2
6009.782	11S (1.5)0-1	6P (1.5)E-1	5789.404	13S (1.5)0-1	6P (1.5)E-2
6007.909	10S (1.5)0-2	6P (2.5)E-2	5762.563	11D (0.5)0-0	6P (1.5)E-1
6005.271	13P (0.5)E-0	5D (0.5)0-1	5759.064	11D (0.5)0-1	6P (1.5)E-1
5998.115	10S (1.5)0-1	6P (2.5)E-2	5754.602	11D (1.5)0-2	6P (1.5)E-1
5995.014	15P (2.5)E-3	5D (1.5)0-2	5752.583	9D (1.5)0-1	6P (2.5)E-2
5989.475	9F (1.5)E-1	5D (0.5)0-0	5748.179	11D (2.5)0-2	6P (1.5)E-1
5989.189	10D (1.5)0-2	6P (1.5)E-2	5744.295	12D (0.5)0-1	6P (1.5)E-2
5986.530	10D (3.5)0-3	6P (1.5)E-2	5740.713	12D (1.5)0-2	6P (1.5)E-2
5986.220	10D (0.5)0-1	6P (1.5)E-2	5740.163	8D (1.5)0-1	6P (0.5)E-1
5979.445	10D (2.5)0-2	6P (1.5)E-2	5739.214	12D (3.5)0-3	6P (1.5)E-2
5978.294	11F (4.5)E-5	5D (3.5)0-4	5736.016	12D (2.5)0-2	6P (1.5)E-2
5978.294	11F (4.5)E-4	5D (3.5)0-4	5733.477	12D (2.5)0-3	6P (1.5)E-2
5977.472	11F (2.5)E-3	5D (3.5)0-4	5726.066	11S (1.5)0-2	6P (2.5)E-2
5974.152	10D (2.5)0-3	6P (1.5)E-2	5723.255	11D (1.5)0-1	6P (1.5)E-1
5972.836	10F (1.5)E-1	5D (0.5)0-1	5722.129	11S (1.5)0-1	6P (2.5)E-2
5972.836	10F (1.5)E-2	5D (0.5)0-1	5718.610	12D (1.5)0-1	6P (1.5)E-2
5970.874	10F (2.5)E-2	5D (0.5)0-1	5716.252	10D (3.5)0-4	6P (2.5)E-3
5963.188	7S*(0.5)0-0	6P (1.5)E-1	5715.716	10S (1.5)0-2	6P (0.5)E-1
5950.014	15P (2.5)E-3	5D (3.5)0-4	5712.200	10D (1.5)0-2	6P (2.5)E-3
5938.961	10D (1.5)0-1	6P (1.5)E-2	5709.781	10D (3.5)0-3	6P (2.5)E-3
5934.997	7S*(0.5)0-1	6P (1.5)E-1	5707.453	13S (1.5)0-2	6P (1.5)E-1
5934.172	9D (3.5)0-4	6P (2.5)E-3	5706.850	10S (1.5)0-1	6P (0.5)E-1
5932.906	14P (1.5)E-2	5D (0.5)0-1	5706.555	14S (1.5)0-2	6P (1.5)E-2
5931.241	8D (0.5)0-0	6P (0.5)E-1	5704.688	13S (1.5)0-1	6P (1.5)E-1
5925.560	9D (1.5)0-2	6P (2.5)E-3	5704.578	14S (1.5)0-1	6P (1.5)E-2
5922.545	9D (3.5)0-3	6P (2.5)E-3	5703.336	10D (2.5)0-2	6P (2.5)E-3
5921.867	9P (0.5)E-1	6S*(0.5)0-1	5698.520	10D (2.5)0-3	6P (2.5)E-3
5916.659	12S (1.5)0-2	6P (1.5)E-2	5696.478	6F (1.5)E-1	6S*(0.5)0-1
5911.918	12S (1.5)0-1	6P (1.5)E-2	5695.750	6F (1.5)E-2	6S*(0.5)0-1
5911.901	9D (2.5)0-2	6P (2.5)E-3	5688.373	6F (2.5)E-2	6S*(0.5)0-1
5906.752	9P (2.5)E-2	6S*(0.5)0-1	5668.609	13D (3.5)0-3	6P (1.5)E-2
5904.462	9D (2.5)0-3	6P (2.5)E-3	5666.367	13D (2.5)0-2	6P (1.5)E-2
5901.479	10D (0.5)0-0	6P (1.5)E-1	5664.460	13D (2.5)0-3	6P (1.5)E-2
5898.572	10D (1.5)0-2	6P (1.5)E-1	5663.204	12D (0.5)0-0	6P (1.5)E-1
5896.961	10F (1.5)E-1	5D (0.5)0-0	5660.886	12D (0.5)0-1	6P (1.5)E-1
5895.692	10D (0.5)0-1	6P (1.5)E-1	5657.407	12D (1.5)0-2	6P (1.5)E-1
5894.988	8D (0.5)0-1	6P (0.5)E-1	5654.291	7S*(0.5)0-1	6P (2.5)E-2
5889.121	10D (2.5)0-2	6P (1.5)E-1	5652.845	12D (2.5)0-2	6P (1.5)E-1

λ	Upper State	Lower State	λ	Upper State	Lower State
5646.186	12S (1.5)0-2	6P (2.5)E-3	5398.060	15S (1.5)0-2	6P (2.5)E-3
5644.764	15S (1.5)0-2	6P (1.5)E-2	5397.621	12D (2.5)0-2	6P (2.5)E-2
5635.939	12D (1.5)0-1	6P (1.5)E-1	5395.372	12D (2.5)0-3	6P (2.5)E-2
5624.230	14S (1.5)0-2	6P (1.5)E-1	5394.738	7S*(0.5)0-1	6P (0.5)E-1
5622.310	14S (1.5)0-1	6P (1.5)E-1	5392.795	6F (1.5)E-1	6S*(0.5)0-0
5621.221	10D (1.5)0-2	6P (2.5)E-2	5382.204	12D (1.5)0-1	6P (2.5)E-2
5618.878	10D (3.5)0-3	6P (2.5)E-2	5373.742	14D (3.5)0-4	6P (2.5)E-3
5618.605	10D (0.5)0-1	6P (2.5)E-2	5371.525	14S (1.5)0-2	6P (2.5)E-2
5612.637	10D (2.5)0-2	6P (2.5)E-2	5369.773	14S (1.5)0-1	6P (2.5)E-2
5607.973	10D (2.5)0-3	6P (2.5)E-2	5367.031	10D (0.5)0-0	6P (0.5)E-1
5594.369	9P (0.5)E-1	6S*(0.5)0-0	5364.627	10D (1.5)0-2	6P (0.5)E-1
5585.189	13D (2.5)0-2	6P (1.5)E-1	5362.244	10D (0.5)0-1	6P (0.5)E-1
5581.785	9D (0.5)0-0	6P (0.5)E-1	5361.668	11P (0.5)E-1	6S*(0.5)0-1
5579.280	11D (3.5)0-4	6P (2.5)E-3	5356.807	10D (2.5)0-2	6P (0.5)E-1
5577.079	11D (1.5)0-2	6P (2.5)E-3	5356.555	11P (2.5)E-2	6S*(0.5)0-1
5576.952	10D (1.5)0-1	6P (2.5)E-2	5350.219	11P (1.5)E-1	6S*(0.5)0-1
5575.258	11D (3.5)0-3	6P (2.5)E-3	5347.727	11P (1.5)E-2	6S*(0.5)0-1
5571.047	11D (2.5)0-2	6P (2.5)E-3	5337.891	13D (3.5)0-3	6P (2.5)E-2
5567.779	11D (2.5)0-3	6P (2.5)E-3	5337.411	11P (0.5)E-0	6S*(0.5)0-1
5566.615	9D (0.5)0-1	6P (0.5)E-1	5335.902	13D (2.5)0-2	6P (2.5)E-2
5564.199	15S (1.5)0-2	6P (1.5)E-1	5334.211	13D (2.5)0-3	6P (2.5)E-2
5563.500	10P (0.5)E-1	6S*(0.5)0-1	5324.292	10D (1.5)0-1	6P (0.5)E-1
5562.646	9P (1.5)E-1	6S*(0.5)0-0	5316.741	15S (1.5)0-2	6P (2.5)E-2
5557.281	12S (1.5)0-2	6P (2.5)E-2	5306.361	12S (1.5)0-2	6P (0.5)E-1
5555.063	10P (2.5)E-2	6S*(0.5)0-1	5302.547	12S (1.5)0-1	6P (0.5)E-1
5553.099	12S (1.5)0-1	6P (2.5)E-2	5286.405	8F (1.5)E-1	6S*(0.5)0-1
5552.386	9D (1.5)0-2	6P (0.5)E-1	5286.109	8F (1.5)E-2	6S*(0.5)0-1
5544.342	10P (1.5)E-1	6S*(0.5)0-1	5283.301	8F (2.5)E-2	6S*(0.5)0-1
5540.391	9D (2.5)0-2	6P (0.5)E-1	5273.469	10P (0.5)E-1	6S*(0.5)0-0
5540.308	10P (1.5)E-2	6S*(0.5)0-1	5256.254	10P (1.5)E-1	6S*(0.5)0-0
5532.784	13S (1.5)0-2	6P (2.5)E-3	5251.890	11D (0.5)0-0	6P (0.5)E-1
5523.023	10P (0.5)E-0	6S*(0.5)0-1	5248.984	11D (0.5)0-1	6P (0.5)E-1
5494.382	11D (0.5)0-1	6P (2.5)E-2	5245.277	11D (1.5)0-2	6P (0.5)E-1
5490.321	11D (1.5)0-2	6P (2.5)E-2	5239.940	11D (2.5)0-2	6P (0.5)E-1
5488.555	11D (3.5)0-3	6P (2.5)E-2	5235.646	12P (0.5)E-1	6S*(0.5)0-1
5487.030	12D (3.5)0-4	6P (2.5)E-3	5232.221	12P (2.5)E-2	6S*(0.5)0-1
5485.741	12D (1.5)0-2	6P (2.5)E-3	5228.179	12P (1.5)E-1	6S*(0.5)0-1
5484.474	11D (2.5)0-2	6P (2.5)E-2	5226.531	12P (1.5)E-2	6S*(0.5)0-1
5484.372	12D (3.5)0-3	6P (2.5)E-3	5219.728	12P (0.5)E-0	6S*(0.5)0-1
5484.142	9D (1.5)0-1	6P (0.5)E-1	5219.221	11D (1.5)0-1	6P (0.5)E-1
5481.452	12D (2.5)0-2	6P (2.5)E-3	5206.077	13S (1.5)0-2	6P (0.5)E-1
5481.308	11D (2.5)0-3	6P (2.5)E-2	5203.776	13S (1.5)0-1	6P (0.5)E-1
5479.132	12D (2.5)0-3	6P (2.5)E-3	5185.933	9F (1.5)E-1	6S*(0.5)0-1
5461.780	11D (1.5)0-1	6P (2.5)E-2	5185.761	9F (1.5)E-2	6S*(0.5)0-1
5460.037	11S (1.5)0-2	6P (0.5)E-1	5183.846	9F (2.5)E-2	6S*(0.5)0-1
5456.458	11S (1.5)0-1	6P (0.5)E-1	5169.235	12D (0.5)0-0	6P (0.5)E-1
5454.541	14S (1.5)0-2	6P (2.5)E-3	5167.303	12D (0.5)0-1	6P (0.5)E-1
5447.388	13S (1.5)0-2	6P (2.5)E-2	5164.405	12D (1.5)0-2	6P (0.5)E-1
5444.869	13S (1.5)0-1	6P (2.5)E-2	5162.711	7F (1.5)E-1	6S*(0.5)0-0
5440.366	7F (1.5)E-1	6S*(0.5)0-1	5160.603	12D (2.5)0-2	6P (0.5)E-1
5439.923	7F (1.5)E-2	6S*(0.5)0-1	5146.509	12D (1.5)0-1	6P (0.5)E-1
5435.596	7F (2.5)E-2	6S*(0.5)0-1	5144.761	13P (1.5)E-2	6S*(0.5)0-1
5421.762	13D (3.5)0-4	6P (2.5)E-3	5140.214	13P (0.5)E-0	6S*(0.5)0-1
5419.863	13D (3.5)0-3	6P (2.5)E-3	5136.744	14S (1.5)0-2	6P (0.5)E-1
5418.021	7S*(0.5)0-0	6P (0.5)E-1	5135.142	14S (1.5)0-1	6P (0.5)E-1
5417.813	13D (2.5)0-2	6P (2.5)E-3	5116.432	10F (1.5)E-1	6S*(0.5)0-1
5416.069	13D (2.5)0-3	6P (2.5)E-3	5116.432	10F (1.5)E-2	6S*(0.5)0-1
5404.951	12D (0.5)0-1	6P (2.5)E-2	5114.993	10F (2.5)E-2	6S*(0.5)0-1
5401.779	12D (1.5)0-2	6P (2.5)E-2	5104.157	13D (2.5)0-2	6P (0.5)E-1
5400.452	12D (3.5)0-3	6P (2.5)E-2	5091.789	11P (0.5)E-1	6S*(0.5)0-0

XENON TRANSITIONS BY WAVELENGTHS

λ	Upper State	Lower State
5087.103	14P (1.5)E-2	6S*(0.5)0-1
5086.622	10S (1.5)0-2	6P (0.5)E-1
5081.462	11P (1.5)E-1	6S*(0.5)0-0
5028.280	7P (0.5)E-1	6S (1.5)0-1
5023.863	8F (1.5)E-1	6S*(0.5)0-0
4977.999	12P (0.5)E-1	6S*(0.5)0-0
4971.248	12P (1.5)E-1	6S*(0.5)0-0
4933.037	9F (1.5)E-1	6S*(0.5)0-0
4923.152	7P (2.5)E-2	6S (1.5)0-1
4916.507	6P*(1.5)E-1	6S (1.5)0-1
4870.109	10F (1.5)E-1	6S*(0.5)0-0
4843.294	7P (1.5)E-2	6S (1.5)0-1
4829.709	7P (1.5)E-1	6S (1.5)0-1
4807.019	7P (0.5)E-0	6S (1.5)0-1
4792.619	7P (0.5)E-1	6S (1.5)0-2
4734.153	6P*(1.5)E-2	6S (1.5)0-1
4708.211	6P*(0.5)E-1	6S (1.5)0-1
4697.021	7P (2.5)E-2	6S (1.5)0-2
4690.972	6P*(1.5)E-1	6S (1.5)0-2
4671.226	7P (2.5)E-3	6S (1.5)0-2
4624.276	7P (1.5)E-2	6S (1.5)0-2
4611.890	7P (1.5)E-1	6S (1.5)0-2
4582.748	6P*(0.5)E-0	6S (1.5)0-1
4524.681	6P*(1.5)E-2	6S (1.5)0-2
4500.978	6P*(0.5)E-1	6S (1.5)0-2
4385.769	4F (1.5)E-1	6S (1.5)0-1
4383.910	4F (1.5)E-2	6S (1.5)0-1
4372.288	4F (2.5)E-2	6S (1.5)0-1
4235.404	4F (1.5)E-1	6S (1.5)0-2
4203.695	4F (1.5)E-2	6S (1.5)0-2
4193.530	4F (2.5)E-3	6S (1.5)0-2
4193.038	4F (2.5)E-2	6S (1.5)0-2
4187.042	4F (3.5)E-3	6S (1.5)0-2
4146.811	8P (0.5)E-1	6S (1.5)0-1
4135.134	8P (2.5)E-2	6S (1.5)0-1
4116.115	8P (1.5)E-1	6S (1.5)0-1
4109.710	8P (1.5)E-2	6S (1.5)0-1
4078.821	8P (0.5)E-0	6S (1.5)0-1
3985.202	8P (0.5)E-1	6S (1.5)0-2
3974.417	8P (2.5)E-2	6S (1.5)0-2
3967.542	8P (2.5)E-3	6S (1.5)0-2
3956.845	8P (1.5)E-1	6S (1.5)0-2
3950.925	8P (1.5)E-2	6S (1.5)0-2
3948.718	5F (1.5)E-1	6S (1.5)0-1
3948.162	5F (1.5)E-2	6S (1.5)0-1
3942.289	5F (2.5)E-2	6S (1.5)0-1
3841.847	9P (0.5)E-1	6S (1.5)0-1
3835.479	9P (2.5)E-2	6S (1.5)0-1
3826.859	9P (1.5)E-1	6S (1.5)0-1
3823.730	9P (1.5)E-2	6S (1.5)0-1
3809.848	9P (0.5)E-0	6S (1.5)0-1
3801.907	5F (1.5)E-1	6S (1.5)0-2
3801.392	5F (1.5)E-2	6S (1.5)0-2
3796.311	5F (2.5)E-3	6S (1.5)0-2
3795.947	5F (2.5)E-2	6S (1.5)0-2
3793.526	5F (3.5)E-3	6S (1.5)0-2
3745.696	6F (1.5)E-1	6S (1.5)0-1
3745.382	6F (1.5)E-2	6S (1.5)0-1
3742.190	6F (2.5)E-2	6S (1.5)0-1
3732.735	9P (0.5)E-1	6S (1.5)0-2
3696.819	9P (2.5)E-2	6S (1.5)0-2
3693.490	9P (2.5)E-3	6S (1.5)0-2
3688.811	9P (1.5)E-1	6S (1.5)0-2
3687.737	10P (0.5)E-1	6S (1.5)0-1
3685.903	9P (1.5)E-2	6S (1.5)0-2
3684.028	10P (2.5)E-2	6S (1.5)0-1
3679.309	10P (1.5)E-1	6S (1.5)0-1
3677.532	10P (1.5)E-2	6S (1.5)0-1
3669.909	10P (0.5)E-0	6S (1.5)0-1
3633.228	7F (1.5)E-1	6S (1.5)0-1
3633.031	7F (1.5)E-2	6S (1.5)0-1
3631.100	7F (2.5)E-2	6S (1.5)0-1
3613.340	6F (1.5)E-1	6S (1.5)0-2
3613.047	6F (1.5)E-2	6S (1.5)0-2
3610.317	6F (2.5)E-3	6S (1.5)0-2
3610.077	6F (2.5)E-2	6S (1.5)0-2
3608.841	6F (3.5)E-3	6S (1.5)0-2
3597.939	11P (0.5)E-1	6S (1.5)0-1
3595.656	11P (2.5)E-2	6S (1.5)0-1
3592.800	11P (1.5)E-1	6S (1.5)0-1
3591.675	11P (1.5)E-2	6S (1.5)0-1
3587.019	11P (0.5)E-0	6S (1.5)0-1
3563.909	8F (1.5)E-1	6S (1.5)0-1
3563.774	8F (1.5)E-2	6S (1.5)0-1
3562.498	8F (2.5)E-2	6S (1.5)0-1
3559.374	10P (0.5)E-1	6S (1.5)0-2
3555.919	10P (2.5)E-2	6S (1.5)0-2
3554.039	10P (2.5)E-3	6S (1.5)0-2
3551.523	10P (1.5)E-1	6S (1.5)0-2
3549.867	10P (1.5)E-2	6S (1.5)0-2
3540.766	12P (0.5)E-1	6S (1.5)0-1
3539.199	12P (2.5)E-2	6S (1.5)0-1
3537.350	12P (1.5)E-1	6S (1.5)0-1
3536.595	12P (1.5)E-2	6S (1.5)0-1
3533.479	12P (0.5)E-0	6S (1.5)0-1
3517.959	9F (1.5)E-1	6S (1.5)0-1
3517.880	9F (1.5)E-2	6S (1.5)0-1
3516.999	9F (2.5)E-2	6S (1.5)0-1
3508.568	7F (1.5)E-1	6S (1.5)0-2
3508.384	7F (1.5)E-2	6S (1.5)0-2
3506.740	7F (2.5)E-3	6S (1.5)0-2
3506.583	7F (2.5)E-2	6S (1.5)0-2
3505.863	7F (3.5)E-3	6S (1.5)0-2
3498.964	13P (1.5)E-2	6S (1.5)0-1
3496.850	13P (0.5)E-0	6S (1.5)0-1
3485.837	10F (1.5)E-1	6S (1.5)0-1
3485.837	10F (1.5)E-2	6S (1.5)0-1
3485.169	10F (2.5)E-2	6S (1.5)0-1
3475.667	11P (0.5)E-1	6S (1.5)0-2
3473.517	11P (2.5)E-2	6S (1.5)0-2
3472.360	11P (2.5)E-3	6S (1.5)0-2
3472.198	14P (1.5)E-2	6S (1.5)0-1
3470.852	11P (1.5)E-1	6S (1.5)0-2
3469.803	11P (1.5)E-2	6S (1.5)0-2
3443.882	8F (1.5)E-1	6S (1.5)0-2
3443.756	8F (1.5)E-2	6S (1.5)0-2
3442.689	8F (2.5)E-3	6S (1.5)0-2
3442.564	8F (2.5)E-2	6S (1.5)0-2
3442.113	8F (3.5)E-3	6S (1.5)0-2
3422.267	12P (0.5)E-1	6S (1.5)0-2

XENON TRANSITIONS BY WAVELENGTHS

λ	Upper State	Lower State	λ	Upper State	Lower State
3420.803	12P (2.5)E-2	6S (1.5)0-2	3383.100	13P (1.5)E-2	6S (1.5)0-2
3420.000	12P (2.5)E-3	6S (1.5)0-2	3370.926	10F (1.5)E-2	6S (1.5)0-2
3419.075	12P (1.5)E-1	6S (1.5)0-2	3370.926	10F (1.5)E-1	6S (1.5)0-2
3418.370	12P (1.5)E-2	6S (1.5)0-2	3370.358	10F (2.5)E-3	6S (1.5)0-2
3400.956	9F (1.5)E-1	6S (1.5)0-2	3370.301	10F (2.5)E-2	6S (1.5)0-2
3400.882	9F (1.5)E-2	6S (1.5)0-2	3370.074	10F (3.5)E-3	6S (1.5)0-2
3400.135	9F (2.5)E-3	6S (1.5)0-2	3358.959	14P (2.5)E-3	6S (1.5)0-2
3400.058	9F (2.5)E-2	6S (1.5)0-2	3358.170	14P (1.5)E-2	6S (1.5)0-2
3399.739	9F (3.5)E-3	6S (1.5)0-2	3348.679	11F (2.5)E-3	6S (1.5)0-2
3394.360	13P (2.5)E-3	6S (1.5)0-2	3340.044	15P (2.5)E-3	6S (1.5)0-2