Compilation of Wavelengths, Energy Levels, and Transition Probabilities for W I and W II

A. E. Kramida[a)]
National Institute of Standards and Technology, Gaithersburg, Maryland 20899-8422

T. Shirai
Japan Atomic Energy Research Institute, Meijiyasuda-seimei Kahiwa Fames, 14-1 Suehiro-cho, Kashiwa-shi, Chiba-ken 277-0842, Japan

(Received 18 May 2004; revised manuscript received 24 June 2004; accepted 24 August 2004; published online 24 February 2006)

Energy levels, wavelengths, and transition probabilities of the first and second spectra of tungsten, W I and W II, have been compiled. Wavelengths of observed transitions and energy levels derived from those wavelengths have been obtained from a critical evaluation of the available literature. Measured transition probabilities for some of the observed transitions have been compiled from the published literature. © *2006 by the U.S. Secretary of Commerce on behalf of the United States. All rights reserved.*
[DOI: 10.1063/1.1836763]

Contents

1. W I. 423
   1.1. References for W I. 425
2. W II. 612
   2.1. References for W II. 614
3. Acknowledgments. 614

List of Tables

1. Even levels of W I. 426
2. Odd levels of W I. 429
3. Observed lines of W I. 435
4. Even levels of W II. 615
5. Odd levels of W II. 617
6. Observed lines of W II. 621

1. W I

Ground state
$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4p^6 4d^{10} 4f^{14} 5s^2 5p^6 5d^4 6s^2\ {}^5\mathrm{D}_0$
Ionization energy $63\,427.7 \pm 0.8\ \mathrm{cm}^{-1}$
$(7.864\,04 \pm 0.000\,10\ \mathrm{eV})$

The most complete list of energy levels and spectral lines of neutral tungsten was published by Laun and Corliss[1] in 1968. Since then, very few new data on this spectrum have appeared. Shadmi and Caspi[2] in 1968 made the first and the only available theoretical interpretation of the system of even energy levels of W I. Based on this analysis, Corliss[3] in 1969 found ten new even energy levels and classified 160 lines that were previously listed by Laun and Corliss[1] as unidentified. Wyart[4] in 1978 has made more elaborate calculations based on his generalized least-squares fitting procedure. Although he confirmed and extended the analysis of Shadmi and Caspi,[2] he did not publish the level compositions. The system of odd levels has not received adequate interpretation so far. Our preliminary calculations showed that the term labels given by Laun and Corliss[1] often do not reflect the actual nature of the states. This is due to strong mixing between the $5d^4 6s 6p$, $5d^5 6p$, and $5d^3 6s^2 6p$ configurations. Tables 1 and 2 present the complete lists of currently known even and odd energy levels of W I. Where available, percentage compositions for the even levels are taken from Shadmi and Caspi.[2] In the level designations given by Shadmi and Caspi,[2] the designations of the repeated terms of the d^n subshells were not supplemented by an additional quantum number such as seniority. Hence, these designations in many cases were ambiguous. For example, the d^4 shell has two different LS terms named ^{3}F, and it is not possible to distinguish between them in Shadmi and Caspi.[2] In order to find the missing additional quantum numbers, we made a least-squares fitting calculation of the even levels with Cowan's codes.[5] In this calculation, in addition to the $5d^6$, $5d^4 6s^2$, and $5d^5 5s$ configurations treated by Shadmi and Caspi,[2] we included the $5d^5 7s$, $5d^5 8s$, $5d^4 6s 7s$, $5d^4 6s 6d$, $5d^4 6s 7d$, $5d^4 6p^2$, and $5d^3 6s 6p^2$ configurations. The percentage compositions obtained in our fitting agree fairly well with the results of Shadmi and Caspi.[2] In Table 1, we give percentage compositions resulting from our calculations for some of the levels of the $5d^4 6s 7s$ configuration (this configuration was not included in calculations of Shadmi and Caspi[2]). The percentage compositions of odd levels (see Table 2) were obtained by means of an *ab initio* Hartree–Fock calculation with electrostatic and configuration–interaction parameters scaled by a factor of 0.8. The percentage compositions are given in Tables 1 and 2 only for the levels that are easily identified with the calculated ones, i.e., if they are well separated from other levels with the same J, or when LS cou-

[a)]Author to whom correspondence should be addressed; electronic mail: alexander.kramida@nist.gov
© 2006 by the U.S. Secretary of Commerce on behalf of the United States. All rights reserved.

pling is pure enough. The repeated terms of the d^n shells are supplemented in Tables 1 and 2 with the sequential index defined by Martin *et al.*[6] The values of this index coincide with those produced by Cowan's codes.[5]

Two of the new even levels given in Corliss[3] as 31 077.79 cm^{-1} ($J=2$) and 32 217.95 cm^{-1} ($J=3$) had to be corrected. The "obs.−calc." values in the line list (Table 2) of Corliss[3] do not exactly match the level values given in Table 1 of the same paper. It appears that small corrections were applied to the level values to produce the best fit to the observed wave numbers in Table 2, but these corrections were not included in Table 1. To correct the discrepancies, in our Table 1 we increased the energy of the level at 31 077.79 cm^{-1} by 0.01 cm^{-1} and decreased the energy of the level at 32 217.95 cm^{-1} with $J=3$ by 0.04 cm^{-1}.

The high-n even Rydberg levels in Table 1 are cited from Campbell-Miller and Simard.[7] The levels were measured using a resonance laser spectroscopy technique. From these measurements Campbell-Miller and Simard[7] derived the first ionization limit of W I at 63 427.7±0.8 cm^{-1} (7.864 04 ±0.000 10 eV).

Except for these highly excited levels from Campbell-Miller and Simard,[7] all other levels in Tables 1 and 2 were derived from lines given in the list of Laun and Corliss.[1] This line list is reproduced here in Table 3 with a number of corrections and additions. The corrections mainly consist of correcting clear misprints. In a few cases we changed the identifications based on the same criteria that were used by Laun and Corliss[1] and Corliss.[3] That is, if several possible assignments are found for a certain observed line, the most favorable assignment will be the one that has smaller "obs. −calc." value. If two assignments are possible, but one of them involves the upper level which is significantly higher than the upper level of the second assignment, the assignment with the lower upper level is preferred. For the two lines at 4897.718 and 5921.87 Å, the classification given in Laun and Corliss[1] was discarded because the observed wave number did not fit to the energy interval between the two levels of the assigned transition. Classifications were made for 63 previously unclassified lines. All of these classifications involve already known energy levels. The identifications made by Corliss[3] for approximately 160 lines are also included in Table 3. The upper and lower levels of the transitions are denoted in Table 3 by the integer part of the energy with the J value of the level given as a subscript. Measurement uncertainties were not explicitly given in Laun and Corliss.[1] However, judging by the "obs.−calc." values in Table 2 of Laun and Corliss,[1] we conclude that the measurement uncertainty was about 0.08 cm^{-1} for most of the lines between 2300 and 10 000 Å. Outside of this range, especially for the shorter wavelengths, the wave number uncertainty can be as large as 1 cm^{-1}. In Table 3, we give a more elaborate estimate of the observed wavelength uncertainty for each line. These values are derived from root mean square (RMS) deviations of observed wave numbers from the Ritz values using a sliding 400 Å wavelength interval. They do not take into account the various individual line characteristics (blended, wide, etc.).

Based on the above mentioned line measurement uncertainties, we have verified that the uncertainty of the energy levels in Tables 1 and 2 in most cases does not exceed 0.1 cm^{-1}. The uncertainty of the wave numbers calculated from the energy levels in Tables 1 and 2 also does not exceed 0.1 cm^{-1} over the whole spectral range.

The experimental Lande g values given in Tables 1 and 2 are taken from Tables 1 and 2 of Laun and Corliss.[1]

Wyart[4] noted that one of the two even $J=5$ levels at 33 201 and 33 291 cm^{-1} must have $J=6$, because there is only one $J=5$ level predicted between 31 350 and 36 250 cm^{-1}. The level at 33 201.61 cm^{-1} was found by Corliss.[3] It has more combinations with $J=4$ levels (twelve versus eight) than the level at 33 291.80 cm^{-1} found by Laun and Corliss.[1] Furthermore, the two most intense lines assigned by Laun and Corliss[1] to transitions involving the level at 33 291.80 cm^{-1} (those at 6943.68 and 5498.622 Å) were doubly classified, and their alternate classification is much more favorable from the point of view of lesser "obs. −calc." deviation and lower excitation energy. Another line at 7497.96 Å can be assigned to a transition between the levels at 33 291.80 cm^{-1} ($J=3$, even) and 46 625.05 cm^{-1} ($J=3$, odd). The difference "obs.−calc." is −0.11 cm^{-1} for this combination. This leaves the level at 33 291.80 with only five connections to $J=4$ levels, all by weak lines. In addition, analysis of possible combinations reveals that some possible connections with $J=7$ levels may be masked by more intense transitions for the level at 33 291.80 cm^{-1}, while no such possibility was found for the level at 33 201.61 cm^{-1}. Based on all these considerations, we have changed the J value of the level at 33 291.80 cm^{-1} to 6 and identified it, as suggested by Wyart,[4] with the $5d^5(^2\mathrm{I})6s\ ^1\mathrm{I}$ character. Having done this, we dismissed assignments of all combinations between the level at 33 291.80 cm^{-1} and the $J=4$ levels. Five of these weak lines (with wavelengths 5883.17, 5326.77, 3992.756, 3922.606, and 3539.588 Å) now became unclassified. It should be mentioned that the density of observed lines and energy levels is such that Corliss[3] treated 6–8 combinations as "noise level."

We did not include the lines involving the high-n Rydberg states from Campbell-Miller and Simard[7] in Table 3 because they can be observed only under very special conditions.

The hyperfine structure and isotope shifts are small in neutral tungsten. In most cases, they are not resolved in the observed spectra, but only broaden the lines. Results of studies of these effects are summarized by Laun and Corliss.[1]

Transition probabilities of W I lines were measured by a number of authors. The most recent and extensive sets of measurements were made by Den Hartog *et al.*[8] and Kling and Kock[9] using Fourier-transform spectroscopy. In these two papers, radiative lifetimes were accurately measured for 81 levels of odd parity, and absolute transition probabilities were measured for more than 500 lines originating from these levels. According to Kling and Kock,[9] the identifications of two lines from Laun and Corliss[1] have been

changed. The line at 3930.474 Å is now classified as the transition between levels 14 976.18 ($J=2$, even) and 40 411.12 cm^{-1} ($J=1$, odd), and the line at 3751.422 Å as the transition from 19 253.56 ($J=2$, even) to 45 902.48 cm^{-1} ($J=2$, odd). In Table 3, we have added four lines for which Kling and Kock[9] measured transition probabilities, but which were not listed by Laun and Corliss.[1] These lines are at 4260.220, 4282.377, 4773.845, and 4186.071 Å. According to Kling and Kock,[9] the measurement uncertainty should not be greater than 0.1 cm^{-1} (0.02 Å) for these lines.

We discarded the transition probability measured by Den Hartog *et al.*[8] for the line at 6621.7 Å because the wavelength (given to a tenth of an Angstrom) cannot be identified with a line in the list of Laun and Corliss.[1] Den Hartog *et al.* classify this line as a transition from 19 256.24 to 34 354.08 cm^{-1}, but there is no line in the list of Laun and Corliss that would match this transition. The nearest line listed by Laun and Corliss[1] is 6621.74 Å, but it is given as a transition between 19 535.01 and 34 632.60 cm^{-1} and cannot be classified as suggested by Den Hartog *et al.* In Table 3, we have included transition probabilities only for the lines that are unambiguously classified.

Our analysis, based on a comparison with accurately measured transition probabilities from Den Hartog *et al.*[8] and Kling and Kock,[9] confirmed the high quality of data measured by Shukhtin *et al.*[10] and Obbarius and Kock.[11] We included transition probabilities (A values) from Obbarius and Kock[11] for the lines at 4700.422 and 5054.596 Å that were not superseded by Den Hartog *et al.*[8] and Kling and Kock.[9] The A value for the line at 2896.442 Å was obtained by normalizing the relative values given in Shukhtin *et al.*[10] using the absolute values from Den Hartog *et al.*[8] and Kling and Kock[9] for the other lines.

As shown by Obbarius and Kock,[11] the earlier experimental works on W I transition probabilities[12–14] suffered from large experimental errors. We have not made use of them here.

Apart from the studies of the emission spectrum of W I included in the present paper, photoabsorption experiments in the extreme ultraviolet range made by Costello *et al.*[15] demonstrated the presence of a number of autoionizing resonances in the range of photon energies 30–55 eV. These resonances correspond to excitation of $5p$ and $4f$ electrons from inner shells. Their theoretical interpretation and comparison with the absorption spectrum of solid-state tungsten metal is discussed in Costello *et al.*[15]

1.1. References for W I

[1] D. D. Laun and C. H. Corliss, J. Res. Nat. Bur. Stand. Sect. A **72**, 609 (1968).
[2] Y. Shadmi and E. Caspi, J. Res. Nat. Bur. Stand. Sect. A **72**, 757 (1968).
[3] C. H. Corliss, J. Res. Nat. Bur. Stand. Sect. A **73**, 277 (1969).
[4] J.-F. Wyart, Phys. Scr. **18**, 87 (1978).
[5] R. D. Cowan, *The Theory of Atomic Structure and Spectra* (University of California Press, Berkeley, CA, 1981).
[6] W. C. Martin, R. Zalubas, and L. Hagan, *Nat. Bur. Stand. Monograph 60* (U.S. Department of Commerce, Washington, D.C., 1978).
[7] M. D. Campbell-Miller and B. Simard, J. Opt. Soc. Am. B **13**, 2115 (1996).
[8] E. A. Den Hartog, D. W. Duquette, and J. E. Lawler, J. Opt. Soc. Am. B **4**, 48 (1987).
[9] R. Kling and M. Kock, J. Quant. Spectrosc. Radiat. Transfer **62**, 129 (1999).
[10] A. M. Shukhtin, G. A. Plekhotkin, and V. G. Mishakov, Opt. Spectrosc. (USSR) **45**, 247 (1978).
[11] H. U. Obbarius and M. Kock, J. Phys. B **15**, 527 (1982).
[12] C. H. Corliss and W. R. Bozman, *Nat. Bur. Stand. Monograph 53* (U.S. Government Printing Office, Washington, D.C., 1962).
[13] N. N. Kirsanova, J. Appl. Spectrosc. (USSR) **10**, 444 (1969).
[14] J. E. Clawson and M. H. Miller, J. Opt. Soc. Am. **63**, 1598 (1973).
[15] J. T. Costello, E. T. Kennedy, B. F. Sonntag, and C. L. Cromer, J. Phys. B **24**, 5063 (1991).

TABLE 1. Even levels of W I

Configuration	Term	J	Level (cm^{-1})	Lande g	Leading percentage[a]		2nd percentage[b]		
$5d^46s^2$	^{5}D	0	0.00		69				
		1	1670.29	1.51	84				
		2	3325.53	1.48	88				
		3	4830.00	1.50	85				
		4	6219.33	1.49	77				
$5d^5(^6$S$)6s$	^{7}S	3	2951.29	1.98	94				
$5d^46s^2$	^{3}P2	0	9528.06		47		24		^{5}D
		1	13307.10	1.32	67				
		2	19253.56	1.18	23		20	$5d^5(^4$G$)6s$	^{5}G
$5d^46s^2$	^{3}H	4	12161.96	0.99	42		19		^{3}G
		5	15069.93	1.05	61				
		6	17008.50	1.4	80				
$5d^46s^2$	^{3}G	3	13348.56	0.92	49		23		^{3}F2
		4	16431.31	1.02	48		19		^{3}H
		5	19826.04	1.20	48	$5d^5(^4$G$)6s$ ^{5}G	24	$5d^46s^2$	^{3}G
$5d^46s^2$	^{3}F2	2	13777.71	1.09	33		28		^{3}D
		4	17107.01	1.19	43		22		^{3}H
		3	17701.18	1.02	52		23		^{3}G
$5d^46s^2$	^{3}D	2	14976.18	1.06	11		46		^{3}F2
		3	15460.01	1.17	36		20	$5d^5(^2$D3$)6s$	^{3}D
		1	18082.83	0.7	46		21	$5d^5(^2$D3$)6s$	^{3}D
$5d^5(^4$G$)6s$	^{5}G	2	18116.84	1.08	57		15	$5d^46s^2$	^{3}P2
		3	18974.51	1.06	61				
		4	19256.24	1.20	82				
		5	19535.01	1.21	46		22	$5d^46s^2$	^{3}G
		6	19648.54	1.32	92				
$5d^5(^6$S$)6s$	^{5}S	2	18280.48	1.43	52				
$5d^5(^4$P$)6s$	^{5}P	3	19827.68	1.28	36		23	$5d^5(^4$G$)6s$	^{5}G
		1	20427.84	2.1	65				
		2	20983.02		24	$5d^46s^2$ ^{3}P	23	$5d^5(^6$S$)6s$	^{5}S
$5d^46s^2$	^{1}S2	0	20174.20		60				
$5d^5(^4$D$)6s$	^{5}D	4	22476.68	1.48	61				
		0	22773.78		85				
		1	23455.02		56		28	$5d^5(^4$P$)6s$	^{5}P
		3	23930.08	1.4	43		29	$5d^5(^4$P$)6s$	^{5}P
		2	23982.80		41		37	$5d^5(^4$P$)6s$	^{5}P
$5d^46s^2$	^{1}G2	4	22852.80	1.2	38		16		^{3}F2
$5d^46s^2$	^{1}I	6	23484.78		78				
$5d^46s^2$	^{1}F	3	24610.88		48		16	$5d^5(^2$F1$)6s$	^{1}F
$5d^46s^2$	^{1}D2	2	24789.66		36		26		^{3}P2
$5d^5(^2$F1$)6s$	^{3}F	2	26861.64		22		16	$5d^46s^2$	^{3}P1
		4	27213.82		37		33	$5d^5(^4$F$)6s$	^{5}F
		3	28291.88		36		16	$5d^5(^4$G$)6s$	^{3}G
$5d^5(^4$F$)6s$	^{5}F	1	27670.48		74				
		2	28204.20		62				
		5	28233.44		75				
		3	28347.60		56		12	$5d^5(^2$F2$)6s$	^{3}F
		4	29853.66		33	$5d^5(^4$G$)6s$ ^{3}G	20	$5d^5(^4$F$)6s$	^{5}F
$5d^5(^2$I$)6s$	^{3}I	5	27849.80		66				
		6	28392.70		80				
		7	29460.98		98				

TABLE 1. Even levels of W I—Continued

Configuration	Term	J	Level (cm^{-1})	Lande g	Leading percentage[a]			2nd percentage[b]		
$5d^5(^4P)6s$	^3P	1	28720.88		41			37	$5d^46s^2$	$^3P1$
$5d^46s^2$	$^3P1$	2	28898.96		26			28		$^1D2$
$5d^46s^2$	$^3F1$	3	29430.50		25			26	$5d^5(^4G)6s$	^3G
		4	29479.32		34			17	$5d^5(^4F)6s$	^5F
		2	30374.20		19			15		$^3P1$
		2	31077.80		28	$5d^5(^4D)6s$	^3D	24	$5d^5(^4F)6s$	^3F
$5d^5(^4G)6s$	^3G	5	31389.08		58			20	$5d^5(^2I)6s$	^3I
		4	32135.94		35			16	$5d^46s^2$	$^1G1$
		3	32217.91		22	$5d^5(^2G2)6s$	^3G	16	$5d^5(^2D3)6s$	^3D
$5d^5(^2D3)6s$	^3D	1	32378.40		56			18	$5d^5(^4D)6s$	^3D
$5d^5(^2G2)6s$	^3G	3	32826.63		52			22	$5d^5(^2D3)6s$	^3D
		5	33201.61		37			28	$5d^5(^2H)6s$	^3H
		4	34302.04		31			20	$5d^5(^2F1)6s$	^3F
$5d^5(^2I)6s$	^1I	6	33291.80		46			34	$5d^5(^2H)6s$	^3H
		4	33569.53		25	$5d^46s^2$	$^1G1$	22	$5d^5(^2H)6s$	^3H
$5d^5(^4D)6s$	^3D	3	33952.85		50			16	$5d^5(^4F)6s$	^3F
		3	34465.83		32	$5d^5(^2F2)6s$	^3F	30	$5d^5(^2G2)6s$	^3G
		4	35299.82		46	$5d^5(^2G2)6s$	^3G	40	$5d^5(^2H)6s$	^3H
		3	37414.11		42	$5d^5(^2F2)6s$	^1F	19	$5d^5(^2D2)6s$	^3D
$5d^46s(^6D)7s$	^7D	1	43451.98	2.83	87					
		2	44919.84	1.9	90					
		3	46496.62	1.74	89					
		4	47975.54	1.68	90					
		5	49354.68	1.7	88					
$5d^46s(^6D)7s$	^5D	0	45225.22		86					
		1	46458.30		82					
		2	48078.32	1.55	71					
		3	49656.04	1.66	74					
		4	51123.14	1.4	71					
		2	50525.35							
		1	50906.20							
		1	50949.07							
		0	51285.46							
		2	51936.84							
		3	52002.25							
		1	52057.80							
		2	52183.20							
		3	52284.76							
		4	52378.22							
		1	52956.92							
		4	53786.00							
		3	53916.90							
		5	53974.10							
		3	54657.56							
		4	55333.12	1.45						
		5	55381.00							
		6	55420.88							
		5	56573.54							
		5	56768.06							
		6	56832.90							
$5d^46s(^6D)31d$	(1/2,3/2)		63288.0							
$5d^46s(^6D)32d$	(1/2,3/2)		63297.4							
$5d^46s(^6D)33d$	(1/2,3/2)		63306.0							
$5d^46s(^6D)34d$	(1/2,3/2)		63313.6							

TABLE 1. Even levels of W I—Continued

Configuration	Term	J	Level (cm^{-1})	Lande g	Leading percentage[a]	2nd percentage[b]
$5d^4 6s(^6D)36d$	(1/2,3/2)		63327.0			
$5d^4 6s(^6D)38d$	(1/2,3/2)		63338.2			
$5d^4 6s(^6D)39d$	(1/2,3/2)		63343.1			
$5d^4 6s(^6D)41s$	(1/2,1/2)		63344.5			
$5d^4 6s(^6D)40d$	(1/2,5/2)		63346.7			
	(1/2,3/2)		63347.7			
$5d^4 6s(^6D)42s$	(1/2,1/2)		63349.1			
$5d^4 6s(^6D)41d$	(1/2,5/2)		63351.1			
	(1/2,3/2)		63351.7			
$5d^4 6s(^6D)43s$	(1/2,1/2)		63353.0			
$5d^4 6s(^6D)42d$	(1/2,5/2)		63354.8			
	(1/2,3/2)		63355.6			
$5d^4 6s(^6D)44s$	(1/2,1/2)		63356.8			
$5d^4 6s(^6D)43d$	(1/2,5/2)		63358.4			
	(1/2,3/2)		63359.2			
$5d^4 6s(^6D)45s$	(1/2,1/2)		63360.3			
$5d^4 6s(^6D)44d$	(1/2,5/2)		63361.6			
	(1/2,3/2)		63362.4			
$5d^4 6s(^6D)46s$	(1/2,1/2)		63363.4			
$5d^4 6s(^6D)45d$	(1/2,5/2)		63364.7			
	(1/2,3/2)		63365.6			
$5d^4 6s(^6D)47s$	(1/2,1/2)		63366.4			
$5d^4 6s(^6D)46d$	(1/2,5/2)		63367.6			
	(1/2,3/2)		63368.4			
$5d^4 6s(^6D)48s$	(1/2,1/2)		63369.2			
$5d^4 6s(^6D)47d$	(1/2,5/2)		63370.2			
	(1/2,3/2)		63371.1			
$5d^4 6s(^6D)49s$	(1/2,1/2)		63371.8			
$5d^4 6s(^6D)48d$	(1/2,5/2)		63372.8			
	(1/2,3/2)		63373.5			
$5d^4 6s(^6D)50s$	(1/2,1/2)		63374.5			
$5d^4 6s(^6D)49d$	(1/2,5/2)		63375.0			
	(1/2,3/2)		63375.9			
$5d^4 6s(^6D)50d$	(1/2,5/2)		63377.0			
	(1/2,3/2)		63378.2			
$5d^4 6s(^6D)51d$	(1/2,5/2)		63379.3			
	(1/2,3/2)		63380.2			
$5d^4 6s(^6D)52d$	(1/2,3/2)		63382.1			
$5d^4 6s(^6D)53d$	(1/2,3/2)		63383.9			

[a]If configuration and term names are not given, they are the same as in the first and second columns.
[b]If configuration name is not given, it is the same as in the first column.

TABLE 2. Odd levels of W I

Configuration	Term	J	Level (cm^{-1})	Lande g	Leading percentages[a]			Lifetime (ns)[b]	Ref.[c]
$5d^4 6s(^6D)6p$	$^7F^\circ$	0	19389.43		77				
		1	20064.30	1.54	70			1880(140)	7
		2	21448.76	1.48	77				
		3	23047.31	1.53	89				
		4	24763.39	1.50	93			1800(180)	7
		5	26676.48	1.46	89			1230(80)	7
		6	29643.06		89				
$5d^4 6s(^6D)6p$	$^7D^\circ$	1	21453.90	2.51	39	20	$^5P^\circ$	275(14)	7
		2	23964.67	1.93	51			250(13)	7
		3	26189.20	1.80	54	14	$^7P^\circ$	161(8)	7
		4	28797.24	1.61	77			185(9)	7
		5	29773.34	1.55	69			695(35)	7
$5d^4 6s(^6D)6p$	$^5F^\circ$	1	25983.60	0.54				860(43)	7
		2	27662.52	1.21				182(9)	7
		3	29139.12	1.06				257(13)	7
		4	31432.91	1.32				449(22)	7
		5	33370.04	1.39				439(22)	7
$5d^5(^6S)6p$	$^7P^\circ$	2	26229.77	1.84				76.1(23)	8
		3	27488.11	1.72				86(4)	7
		4	27889.68	1.71	67			59.4(18)	8
		2	26367.28	0.87				315(16)	7
$5d^4 6s(^6D)6p$	$^5D^\circ$	0	26629.46						
		1	27778.50	1.25				715(36)	7
		2	29195.84	1.28				301(15)	7
		3	29912.85	1.31				168(8)	7
		4	32828.12	1.7					
$5d^4 6s(^6D)6p$	$^5P^\circ$	1	28198.90					132(7)	7
		2	29393.40	1.83				71(4)	7
		3	30586.64	1.64				50(3)	7
		1	30683.54	1.39					
		1	31323.48	0.86				158(8)	7
		2	31817.63	1.52					
		3	32238.02	1.3					
		0	32386.56						
		3	32957.58	1.43					
		2	33141.38	1.51				115(6)	7
		2	33944.06						
		4	34121.68	1.5				188(9)	7
		3	34228.60						
		1	34342.44	1.56				90(3)	8
		3	34354.08	0.71				305(15)	7
		2	34485.86	0.82				66(3)	7
		4	34632.60	0.89					
		1	34719.33	0.15				22.1(7)	8
		4	35116.78	1.2				84(4)	7
		2	35311.56	1.0					
		3	35499.15	1.0				166(8)	7
		5	35507.07						
		2	35731.96	1.5				25.7(13)	7
		3	35943.17	1.4				282(14)	7
		4	36082.30	1.24				58(3)	7
		1	36190.49	1.62				18.4(6)	8
		5	36275.10	1.27					
		0	36588.32						
		2	36673.70	1.50					
		3	36874.36	1.50				11.0(3)	8
		2	36904.16	1.57				8.6(4)	8
		4	37146.36	1.1				89(5)	7
		5	37309.16	1.25				42.4(21)	7
		2	37466.30	1.28					

TABLE 2. Odd levels of W I—Continued

Configuration	Term	J	Level (cm^{-1})	Lande g	Leading percentages[a]	Lifetime (ns)[b]	Ref.[c]
		3	37674.08	1.13			
		1	37773.96				
		4	38001.12	1.1		111(6)	7
		3	38053.05	1.11			
		6	38203.12				
		3	38206.38				
		4	38259.40			16.4(6)	8
		1	38355.84				
		0	38576.14				
		4	38748.44				
		2	39030.25			15.8(5)	8
		1	39183.20	1.01		4.44(13)	8
		5	39361.01	1.13		82(4)	7
		5	39614.05	1.20			
		1	39636.62	1.44		11.7(5)	8
		3	39646.41	1.46		8.11(24)	8
		2	39707.02	1.00			
$5d^46s(^4\mathrm{H})6p$	$^5\mathrm{H}^\circ$	7	39709.04				
		4	39719.96	1.17		19.7(6)	8
		2	40011.50	1.0		15.5(5)	8
		4	40233.97	1.53		11.7(4)	8
		3	40269.35	1.03			
		1	40411.12	1.58		6.85(21)	8
		5	40476.42	1.04			
		4	40583.07			11.8(4)	8
		3	40665.85	0.96		46.1(14)	8
		1	40770.78	1.28		8.09(24)	8
		2	40868.40	1.26		7.71(23)	8
		5	40911.98	1.03			
		3	40923.83	1.32			
		2	41104.52	1.5			
		0	41127.38			10.3(4)	8
		6	41171.44				
		4	41198.14	1.22			
		6	41417.52	1.23			
		3	41499.43	1.11		13.6(4)	8
		2	41583.20	1.06		8.5(3)	8
		3	41694.34	1.28		14.4(4)	8
		2	41734.13	1.1		12.6(4)	8
		4	41871.94	1.11			
		0	41965.24				
		2	41978.62	0.8		12.3(4)	8
		6	42239.06				
		3	42251.51	1.32		8.28(25)	8
		1	42262.30	1.5			
		2	42449.60				
		4	42450.24				
		3	42514.14	1.22			
		4	42532.62				
		1	42573.49	1.3		3.81(11)	8
		3	42601.19	1.12		15.2(5)	8
		5	42866.00	1.11			
		4	42910.74	1.18			
		5	43034.10			39.6(12)	8
		0	43053.88				
		1	43217.33	1.3		9.6(3)	8
		2	43227.66	1.3		7.62(23)	8
		4	43251.00	1.14		14.4(4)	8
		7	43411.50	1.20			
		3	43478.58	1.3			
		2	43514.68	0.9			
		4	43720.87				
		5	43741.37	1.09			

TABLE 2. Odd levels of W I—Continued

Configuration	Term	J	Level (cm^{-1})	Lande g	Leading percentages[a]	Lifetime (ns)[b]	Ref.[c]
		3	43850.84	1.17		7.80(23)	8
		1	43892.62	1.05		6.57(20)	8
		5	43924.25	1.2			
		2	43975.22	1.15		4.06(12)	8
		4	43985.41	1.24			
		3	44021.00	1.2		10.8(3)	8
		1	44353.46	1.02			
		2	44367.50	1.1			
		6	44390.42	1.28			
		3	44447.02	1.38		8.31(25)	8
		5	44546.76	1.3			
		2	44596.28	1.11			
		1	44737.21	1.1			
		6	44923.90	1.23			
		4	44940.57	1.20			
		7	44970.82	1.20			
		3	45014.54	1.3			
		2	45019.02				
		4	45116.77	1.2			
		4	45262.55	1.1		24.8(7)	8
		0	45306.89				
		1	45374.00				
		2	45422.26	0.63			
		5	45451.65	1.16			
		3	45551.32	1.30		10.1(3)	8
		3	45677.69	1.24			
		1	45760.80				
		5	45789.14	1.19			
		4	45869.10	1.36		3.86(12)	8
		2	45902.48	0.5		7.60(23)	8
		3	46068.02	1.46		9.0(3)	8
		1	46104.62				
		6	46106.20				
		1	46291.63				
		2	46327.75	0.8			
		3	46385.46	1.4			
		5	46506.37	1.38		5.79(17)	8
		0	46613.70				
		4	46625.05	1.14		7.63(23)	8
		6	46672.22	1.18			
		2	46806.45	1.1			
		5	46854.80	1.21			
		4	46931.84	1.0		6.24(19)	8
		2	47079.40	1.3			
		1	47255.55				
		2	47337.79	0.9			
		4	47360.19				
		3	47361.74	1.3			
		2	47442.53				
		3	47483.68	1.29			
		6	47541.56	1.23			
		3	47593.44	1.2			
		4	47689.33	1.4			
		1	47819.94				
		5	47850.84				
		4	47968.62	1.23			
		5	48138.38	1.2			
		3	48170.55				
		2	48244.29	1.4			
		7	48250.70				
		0	48264.62				
		2	48318.84	1.4			
		3	48326.41				
		1	48389.96				
		0	48603.44				

TABLE 2. Odd levels of W I—Continued

Configuration	Term	J	Level (cm^{-1})	Lande g	Leading percentages[a]	Lifetime (ns)[b]	Ref.[c]
		4	48676.08	1.20			
		6	48684.68				
		1	48788.06				
		3	49072.14	1.26			
		5	49073.88				
		4	49147.95				
		2	49151.94				
		5	49187.92	1.25			
		2	49270.16				
		3	49417.90				
		1	49443.70				
		3	49514.34	1.3			
		2	49517.26				
		4	49636.52				
		2	49699.56	1.9			
		4	49788.58				
		0	49798.48				
		3	49966.03				
		5	50137.55	1.11			
		3	50185.70				
		4	50284.64	1.03			
		3	50303.78				
		6	50429.18				
		2	50494.54				
		1	50533.55				
		2	50718.90				
		3	50800.44	1.0			
		5	50806.07				
		3	50894.12				
		4	50909.47	1.2			
		6	50951.86				
		3	51072.18				
		2	51182.38				
		1	51260.68				
		5	51290.73				
		7	51296.92				
		4	51473.04				
		3	51600.52				
		2	51606.78				
		2	51693.85				
		1	51763.44				
		4	51856.10				
		6	51978.68				
		3	52015.28				
		4	52059.78				
		2	52064.08				
		5	52081.09				
		2	52152.62				
		0	52233.10				
		3	52255.80				
		5	52395.50				
		4	52436.44				
		1	52477.57				
		2	52503.41				
		2	52653.58				
		5	52774.10				
		3	52806.56				
		6	52855.98				
		2	52885.50				
		3	52943.48				
		4	52992.69				
		2	53003.72				
		1	53042.00				
		4	53118.29				
		5	53194.25	1.3			

TABLE 2. Odd levels of W I—Continued

Configuration	Term	J	Level (cm^{-1})	Lande g	Leading percentages[a]	Lifetime (ns)[b]	Ref.[c]
		1	53227.03				
		6	53228.42				
		4	53238.41				
		2	53284.92				
		3	53345.52				
		3	53390.42				
		2	53669.36				
		4	53848.63				
		5	53862.72				
		1	53875.26				
		2	53912.55				
		2	53959.28				
		3	54117.36				
		4	54118.78				
		3	54269.77				
		0	54295.64				
		5	54310.30				
		1	54374.80				
		1	54419.67				
		3	54556.43				
		6	54733.38				
		2	54859.15				
		6	54895.96				
		3	54900.90				
		4	54911.61				
		1	54941.01				
		5	55009.22				
		2	55032.67				
		4	55043.34				
		2	55084.02				
		4	55346.20				
		1	55384.38				
		3	55389.30				
		2	55390.16				
		5	55455.35				
		5	55492.22				
		3	55546.06				
		4	55596.90				
		2	55619.66				
		7	55690.82				
		5	55795.48				
		2	55835.12				
		6	55847.68				
		1	55859.32				
		4	55867.24				
		4	55955.36				
		5	55987.90				
		2	56037.28				
		3	56108.44				
		4	56174.63				
		4	56255.65				
		5	56280.45				
		3	56332.00				
		3	56484.33				
		4	56502.10				
		6	56526.57				
		7	56557.20				
		3	56717.13				
		7	56790.60				
		4	56831.67				
		2	56999.30				
		3	57131.78				
		5	57143.48				
		6	57148.98				
		4	57315.25				

TABLE 2. Odd levels of W I—Continued

Configuration	Term	J	Level (cm^{-1})	Lande g	Leading percentages[a]	Lifetime (ns)[b]	Ref.[c]
		3	57352.32				
		4	57471.80				
		5	57560.83				
		3	57619.36				
		6	57702.30				
		3	57732.46				
		4	57803.66				
		6	57919.17				
		3	58091.58				
		5	58179.38				
		3	58206.00				
		1	58290.18				
		4	58316.46				
		4	58330.13				
		3	58487.52				
		5	58562.68				
		2	58595.42				
		3	58644.10				
		2	58655.72				
		6	58760.96				
		4	58777.80				
		4	58848.90				
		5	58903.98				
		6	59128.80				
		5	59149.60				
		4	59171.71				
		2	59211.47				
		5	59263.63				
		7	59346.98				
		3	59399.74				
		6	59410.52				
		2	59422.00				
		5	59673.32				
		2	59999.10				
		4	60158.32				
		5	60229.18				
		4	60385.09				
		6	60414.83				
		5	60741.40				
		7	61180.86				
		5	61476.60				
		4	61535.50				
		5	62154.50				
		6	62524.02				
		6	62687.50				
		6	63532.78				

[a]The percentages of the first and second components are given, followed by the term label of the second component.
[b]The observed radiative lifetime is given. The number in parentheses is the measurement uncertainty in the units of the last given decimal figure.
[c]Reference number of the paper from which the lifetime value was taken.

TABLE 3. Observed lines of W I

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
2000.40	3	49973.8					0.03	1
2000.97	3	49959.6	3325_2 – $53284°_2$	0.2			0.03	1
2001.15	1	49955.1	6219_4 – $56174°_4$	–0.2			0.03	1
2002.47	5	49922.2					0.03	1
2006.93	3	49811.3					0.03	1
2008.63	1	49769.1	6219_4 – $55987°_5$	0.5			0.03	1
2008.91	3	49762.2					0.03	1
2014.72	1	49618.7	3325_2 – $52943°_3$	0.7			0.03	1
2016.40	3	49577.4	6219_4 – $55795°_5$	1.2			0.03	1
2020.11	5	49486.3	2951_3 – $52436°_4$	1.2			0.03	1
2021.81	3	49444.7	0_0 – $49443°_1$	1.0			0.03	1
2022.04	2	49439.1	4830_3 – $54269°_3$	–0.7			0.03	1
2023.87	5	49394.4					0.03	1
2030.19	2	49240.6					0.03	1
2030.36	2	49236.5	6219_4 – $55455°_5$	0.5			0.03	1
2034.77	4	49129.8	4830_3 – $53959°_2$	0.5			0.03	1
2035.46	2	49113.3	2951_3 – $52064°_2$	0.5			0.03	1
2036.92	3	49078.0					0.03	1
2039.38	3	49018.9	4830_3 – $53848°_4$	0.3			0.03	1
2044.16	1	48904.2	2951_3 – $51856°_4$	–0.6			0.03	1
2045.74	3	48866.4					0.03	1
2047.48	3	48824.9	1670_1 – $50494°_2$	0.7			0.03	1
			6219_4 – $55043°_4$	0.9				1
2049.03	3	48788.0	0_0 – $48788°_1$	–0.1			0.03	1
2051.04	3	48740.1					0.03	1
2051.94	3	48718.8					0.03	1
2053.514	3	48681.4	6219_4 – $54900°_3$	–0.2			0.03	1
2058.616	10	48560.8	4830_3 – $53390°_3$	0.4			0.03	1
2060.53	3	48515.7	4830_3 – $53345°_3$	0.2			0.03	1
2061.31	2	48497.4					0.03	1
2062.754	4	48463.4	15069_5 – $63532°_6$	0.6			0.03	1
2063.10	6	48455.3	4830_3 – $53284°_2$	0.4			0.03	1
2064.51	2	48422.2					0.03	1
2065.056	6	48409.4	4830_3 – $53238°_4$	1.0			0.03	1
2065.86	4	48390.5	0_0 – $48389°_1$	0.5			0.03	1
2066.604	6	48373.1					0.03	1
2070.23	3	48288.4	4830_3 – $53118°_4$	0.1			0.03	1
2070.55	6	48280.9	3325_2 – $51606°_2$	–0.3			0.03	1
2070.80	3	48275.1	3325_2 – $51600°_3$	0.1			0.03	1
2077.10	8	48128.7	1670_1 – $49798°_0$	0.5			0.03	1

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
2077.732	1	48114.1	4830_3 – $52943°_3$	0.6			0.03	1
2080.45	4	48051.2	6219_4 – $54269°_3$	0.8			0.03	1
2081.37	12	48030.0	1670_1 – $49699°_2$	0.7			0.03	1
2082.806	8	47996.9	12161_4 – $60158°_4$	0.5			0.03	1
2085.46	8	47935.8	3325_2 – $51260°_1$	0.7			0.03	1
2087.10	80c	47898.1	6219_4 – $54118°_4$	–1.4			0.03	1
			6219_4 – $54117°_3$	0.1				1n
2087.933	3	47879.0					0.03	1
2088.90	2	47856.9	3325_2 – $51182°_2$	0.1			0.03	1
2089.30	30	47847.7	1670_1 – $49517°_2$	0.7			0.03	1
2090.48	60	47820.7	0_0 – $47819°_1$	0.8			0.03	1
2092.516	10	47774.2	1670_1 – $49443°_1$	0.8			0.03	1
2093.66	15	47748.1	3325_2 – $51072°_3$	1.4			0.03	1
2094.06	15	47739.0					0.03	1
2095.03	2	47716.9					0.03	1
2095.56	25	47704.8					0.03	1
2097.52	1	47660.2					0.03	1
2098.22	60	47644.2	6219_4 – $53862°_5$	0.8			0.03	1
2098.846	25	47630.1	6219_4 – $53848°_4$	0.8			0.03	1
2099.85	50	47607.3	4830_3 – $52436°_4$	0.9			0.03	1
2101.538	50	47569.1	3325_2 – $50894°_3$	0.5			0.020	1
2102.65	8	47544.0	2951_3 – $50494°_2$	0.7			0.020	1
2102.977	3	47536.6					0.020	1
2103.37	5	47527.7					0.020	1
2104.08	15	47511.7	12161_4 – $59673°_5$	0.3			0.020	1
2105.40	50	47481.9	1670_1 – $49151°_2$	0.2			0.020	1
2105.75	25	47474.0	3325_2 – $50800°_3$	–0.9			0.020	1
2106.57	15	47455.5	15069_5 – $62524°_6$	1.4			0.020	1
2106.94	8	47447.1					0.020	1
2107.86	15	47426.4	4830_3 – $52255°_3$	0.6			0.020	1
2109.31	60	47393.8	3325_2 – $50718°_2$	0.4			0.020	1
2109.89	12	47380.8					0.020	1
2111.13	15	47353.0	2951_3 – $50303°_3$	0.5			0.020	1
2112.47	6	47323.0	4830_3 – $52152°_2$	0.4			0.020	1
2114.82	8	47270.4					0.020	1
2115.49	3	47255.4	0_0 – $47255°_1$	–0.2			0.020	1
2116.30	40	47237.3	12161_4 – $59399°_3$	–0.5			0.020	1
2116.44	30	47234.2	2951_3 – $50185°_3$	–0.2			0.020	1
			4830_3 – $52064°_2$	0.1				1
2116.63	20	47230.0	4830_3 – $52059°_4$	0.2			0.020	1

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
2117.59	30	47208.6	3325_2 – $50533°_1$	0.6			0.020	1
2118.62	25	47185.6	4830_3 – $52015°_3$	0.3			0.020	1
2119.30	120	47170.5	6219_4 – $53390°_3$	–0.6			0.020	1
			3325_2 – $50494°_2$	1.5				1
2120.74	12	47138.4					0.020	1
2121.27	3	47126.7	6219_4 – $53345°_3$	0.5			0.020	1
2121.60	100*c*	47119.3	1670_1 – $48788°_1$	1.5			0.020	1
2122.37	20	47102.2	12161_4 – $59263°_5$	0.5			0.020	1
2123.15	30	47084.9	15069_5 – $62154°_5$	0.3			0.020	1
2124.86	20*w*	47047.1					0.020	1
2124.95	6	47045.1					0.020	1
2125.36	3	47036.0	13348_3 – $60385°_4$	–0.5			0.020	1
2125.79	15	47026.5	4830_3 – $51856°_4$	0.4			0.020	1
2126.114	25	47019.3	6219_4 – $53238°_4$	0.2			0.020	1
2126.544	6	47009.8	12161_4 – $59171°_4$	0.1			0.020	1
2127.55	3	46987.6	12161_4 – $59149°_5$	0.0			0.020	1
2127.957	15	46978.5	3325_2 – $50303°_3$	0.3			0.020	1
2128.122	50	46974.9	6219_4 – $53194°_5$	0.0			0.020	1
2129.00	10	46955.5					0.020	1
2130.05	20	46932.4	1670_1 – $48603°_0$	–0.8			0.020	1
2131.526	8	46899.9	6219_4 – $53118°_4$	0.9			0.020	1
2133.17	1	46863.8	4830_3 – $51693°_2$	0.0			0.020	1
2133.32	3	46860.5	3325_2 – $50185°_3$	0.3			0.020	1
2133.65	30	46853.3					0.020	1
2135.625	6	46809.94	13348_3 – $60158°_4$	0.18			0.020	1
2135.875	8	46804.46					0.020	1
2137.135	20	46776.87	4830_3 – $51606°_2$	0.09			0.020	1
2137.400	10	46771.07	4830_3 – $51600°_3$	0.55			0.020	1
2138.71	10	46742.4	12161_4 – $58903°_5$	0.4			0.020	1
2139.53	8	46724.51	6219_4 – $52943°_3$	0.36			0.020	1
2139.73	15	46720.14	1670_1 – $48389°_1$	0.47			0.020	1
2141.222	15	46687.59	12161_4 – $58848°_4$	0.65			0.020	1
2141.307	6	46685.74	2951_3 – $49636°_4$	0.51			0.020	1
2142.92	2	46650.60	13348_3 – $59999°_2$	0.06			0.020	1
2143.00	20	46648.86	1670_1 – $48318°_2$	0.31			0.020	1
2143.257	15	46643.27	4830_3 – $51473°_4$	0.23			0.020	1
2143.36	10	46641.03	3325_2 – $49966°_3$	0.53			0.020	1
2144.50	12	46616.24	12161_4 – $58777°_4$	0.40			0.020	1
2145.49	6	46594.73	1670_1 – $48264°_0$	0.40			0.020	1
2146.43	35*r*	46574.33	1670_1 – $48244°_2$	0.33			0.020	1

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
2147.31	35	46555.24	6219_4 – $52774°_5$	0.47			0.020	1
2147.53	12	46550.47					0.020	1
2148.716	6	46524.78	17008_6 – $63532°_6$	0.50			0.020	1
2150.68	2	46482.30	12161_4 – $58644°_3$	0.16			0.020	1
2151.075	8	46473.76					0.020	1
2151.44	8	46465.88	15069_5 – $61535°_4$	0.31			0.020	1
2151.92	5	46455.52					0.020	1
2154.86	5	46392.14					0.020	1
2155.690	20	46374.28	3325_2 – $49699°_2$	0.25			0.020	1
2156.69	2	46352.78	4830_3 – $51182°_2$	0.40			0.020	1
2157.68	10	46331.52	9528_0 – $55859°_1$	0.26			0.020	1
2157.95	6	46325.72	12161_4 – $58487°_3$	0.16			0.020	1
2159.53	12	46291.83	0_0 – $46291°_1$	0.20			0.020	1
2162.816	6	46221.50	13777_2 – $59999°_2$	0.11			0.020	1
2163.004	15	46217.49	6219_4 – $52436°_4$	0.38			0.020	1
2163.795	8	46200.59	2951_3 – $49151°_2$	–0.06			0.020	1
2164.20	15	46191.95	3325_2 – $49517°_2$	0.22			0.020	1
2164.340	25*r*	46188.96	3325_2 – $49514°_3$	0.15			0.020	1
2164.534	12	46184.82					0.020	1
2164.928	25*r*	46176.42	6219_4 – $52395°_5$	0.25			0.020	1
2165.686	8	46160.26					0.020	1
2165.940	12	46154.85	12161_4 – $58316°_4$	0.35			0.020	1
2166.165	2	46150.05	1670_1 – $47819°_1$	0.40			0.020	1
2167.654	25	46118.36	3325_2 – $49443°_1$	0.19			0.020	1
2167.806	5	46115.12	13307_1 – $59422°_2$	0.22			0.020	1
2168.290	25	46104.83	0_0 – $46104°_1$	0.21			0.020	1
2168.856	10	46092.80	3325_2 – $49417°_3$	0.43			0.020	1
2169.474	100*r*	46079.67	4830_3 – $50909°_4$	0.20			0.020	1
2169.660	4	46075.72	15460_3 – $61535°_4$	0.23			0.020	1
2169.760	2	46073.60	13348_3 – $59422°_2$	0.16			0.020	1
2170.196	40	46064.34	4830_3 – $50894°_3$	0.22			0.020	1
2170.632	3	46055.09					0.020	1
2171.086	4*w*	46045.46					0.020	1
2171.14	1	46044.31	12161_4 – $58206°_3$	0.27			0.020	1
2171.51	3	46036.47	6219_4 – $52255°_3$	0.00			0.020	1
2172.984	12	46005.24					0.020	1
2174.620	60	45970.64	4830_3 – $50800°_3$	0.20			0.020	1
2175.08	3	45960.9					0.020	1
2175.842	80*r*	45944.82	3325_2 – $49270°_2$	0.19			0.020	1
2176.558	6	45929.71	12161_4 – $58091°_3$	0.09			0.020	1

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
2176.938	10	45921.69					0.020	1
2177.760	30	45904.36	13307_1 – $59211°_2$	–0.01			0.020	1
2178.474	80*r*	45889.32	4830_3 – $50718°_2$	0.42			0.020	1
2178.886	3	45880.65					0.020	1
2179.764	100*r*	45862.17	6219_4 – $52081°_5$	0.41			0.020	1
2180.026	4	45856.65	9528_0 – $55384°_1$	0.33			0.020	1
2180.778	40	45840.84	6219_4 – $52059°_4$	0.39			0.020	1
2181.49	15	45825.9	3325_2 – $49151°_2$	–0.5			0.020	1
2181.603	2	45823.51	13348_3 – $59171°_4$	0.36			0.020	1
2181.946	10	45816.31					0.020	1
2182.90	150*r*	45796.29	6219_4 – $52015°_3$	0.34			0.020	1
2183.47	12	45784.34					0.020	1
2184.204	35	45768.95					0.020	1
2184.56	6	45761.49	0_0 – $45760°_1$	0.69			0.020	1
2185.256	40	45746.92	3325_2 – $49072°_3$	0.31			0.020	1
2186.300	8	45725.08	2951_3 – $48676°_4$	0.29			0.020	1
2186.374	25	45723.53	16431_4 – $62154°_5$	0.34			0.020	1
2187.70	3	45695.82					0.020	1
2188.49	10	45679.33	17008_6 – $62687°_6$	0.33			0.020	1
2188.86	5	45671.60	15069_5 – $60741°_5$	0.13			0.020	1
2189.05	15	45667.64	1670_1 – $47337°_2$	0.14			0.020	1
2189.19	30	45664.72	4830_3 – $50494°_2$	0.18			0.020	1
2190.28	1	45642.0	12161_4 – $57803°_4$	0.3			0.020	1
2190.52	40	45637.0	6219_4 – $51856°_4$	0.2			0.020	1
2191.225	4	45622.32	13777_2 – $59399°_3$	0.29			0.020	1
2191.446	4	45617.72					0.020	1
2191.80	4	45610.35					0.020	1
2192.36	60	45598.7					0.020	1
2192.615	30	45593.40					0.020	1
2193.016	50	45585.06	1670_1 – $47255°_1$	–0.20			0.020	1
2193.707	30	45570.70	12161_4 – $57732°_3$	0.20			0.020	1
2194.78	10	45548.42					0.020	1
2196.354	4	45515.79	17008_6 – $62524°_6$	0.27			0.020	1
2197.080	80	45500.74	13348_3 – $58848°_4$	0.40			0.020	1
2198.367	150	45474.11	4830_3 – $50303°_3$	0.33			0.020	1
2198.915	200*r*	45462.78	3325_2 – $48788°_1$	0.25			0.020	1
2199.166	40	45457.59	12161_4 – $57619°_3$	0.19			0.020	1
2199.300	50	45454.82	4830_3 – $50284°_4$	0.18			0.020	1
2199.88	12	45442.84					0.020	1
2200.316	25	45433.84	13777_2 – $59211°_2$	0.08			0.009	1

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
2200.532	20	45429.38	13348_3 – $58777°_4$	0.14			0.009	1
2201.504	60	45409.32	1670_1 – $47079°_2$	0.21			0.009	1
2202.856	50	45381.45	6219_4 – $51600°_3$	0.26			0.009	1
2203.188	40	45374.61	2951_3 – $48326°_3$	–0.51			0.009	1
			0_0 – $45374°_1$	0.61				1
2203.518	6	45367.82	2951_3 – $48318°_2$	0.27			0.009	1
2204.092	50	45356.01	4830_3 – $50185°_3$	0.31			0.009	1
2204.610	15	45345.35	15069_5 – $60414°_6$	0.45			0.009	1
2205.368	20	45329.77					0.009	1
2206.456	4	45307.42	13348_3 – $58655°_2$	0.26			0.009	1
2207.028	20	45295.67	13348_3 – $58644°_3$	0.13			0.009	1
2207.160	30	45292.97	2951_3 – $48244°_2$	–0.03			0.009	1
2207.373	40	45288.60	13307_1 – $58595°_2$	0.28			0.009	1
2207.542	20	45285.13					0.009	1
2208.314	25	45269.30					0.009	1
2208.382	15	45267.91					0.009	1
2209.064	35	45253.93	6219_4 – $51473°_4$	0.22			0.009	1
2209.422	20	45246.60	13348_3 – $58595°_2$	–0.26			0.009	1
2210.745	15	45219.53	2951_3 – $48170°_3$	0.27			0.009	1
2211.644	30	45201.15					0.009	1
2212.170	75	45190.40	12161_4 – $57352°_3$	0.04			0.009	1
2212.606	20	45181.50					0.009	1
2213.460	8	45164.07					0.009	1
2213.696	40	45159.25	15069_5 – $60229°_5$	0.00			0.009	1
2214.340	50	45146.12	17008_6 – $62154°_5$	0.12			0.009	1
2214.708	20	45138.62	13348_3 – $58487°_3$	–0.34			0.009	1
2214.830	40	45136.13	1670_1 – $46806°_2$	–0.03			0.009	1
2215.354	12	45125.46					0.009	1
2216.414	30	45103.88	16431_4 – $61535°_4$	–0.31			0.009	1
2217.176	30	45088.38	15069_5 – $60158°_4$	–0.01			0.009	1
2218.02	3	45071.2	6219_4 – $51290°_5$	–0.2			0.009	1
2218.352	40	45064.48	3325_2 – $48389°_1$	0.05			0.009	1
2219.192	25	45047.43	17107_4 – $62154°_5$	–0.06			0.009	1
2219.295	6*c*	45045.34	16431_4 – $61476°_5$	0.05			0.009	1
2220.09	3	45029.2					0.009	1
2220.40	35	45022.92	14976_2 – $59999°_2$	0.00			0.009	1
2220.675	8*c*	45017.34	2951_3 – $47968°_4$	0.01			0.009	1
2221.852	40	44993.50	3325_2 – $48318°_2$	0.19			0.009	1
2222.363	6	44983.15	13307_1 – $58290°_1$	0.07			0.009	1
2222.444	10	44981.52	12161_4 – $57143°_5$	0.00			0.009	1

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
2222.90	10	44972.3					0.009	1
2223.01	12	44970.06	12161_4 – $57131°_3$	0.24			0.009	1
2223.574	80*r*	44958.66	4830_3 – $49788°_4$	0.08			0.009	1
2224.314	25	44943.70	1670_1 – $46613°_0$	0.29			0.009	1
2225.230	15	44925.2	15460_3 – $60385°_4$	0.1			0.009	1
2225.544	100	44918.87	3325_2 – $48244°_2$	0.11			0.009	1
2226.98	10	44889.9					0.009	1
2227.98	80*r*	44869.75	4830_3 – $49699°_2$	0.19			0.009	1
2228.14	20	44866.53	13777_2 – $58644°_3$	0.14			0.009	1
2228.58	30	44857.68	13348_3 – $58206°_3$	0.24			0.009	1
2228.80	40	44853.25	6219_4 – $51072°_3$	0.40			0.009	1
2229.11	15	44847.01	9528_0 – $54374°_1$	0.27			0.009	1
2229.196	50	44845.28	3325_2 – $48170°_3$	0.26			0.009	1
2230.734	50	44814.37					0.009	1
2231.12	6	44806.6	4830_3 – $49636°_4$	0.1			0.009	1
2234.30	5	44742.85	13348_3 – $58091°_3$	–0.17			0.009	1
2234.58	40	44737.24	0_0 – $44737°_1$	0.03			0.009	1
2235.28	4	44723.24					0.009	1
2235.954	5	44709.75	13777_2 – $58487°_3$	–0.06			0.009	1
2236.525	8	44698.34	15460_3 – $60158°_4$	0.03			0.009	1
2236.566	8	44697.52					0.009	1
2236.932	12	44690.21	6219_4 – $50909°_4$	0.07			0.009	1
2237.09	15	44687.05	4830_3 – $49517°_2$	–0.21			0.009	1
2237.222	30	44684.42	4830_3 – $49514°_3$	0.08			0.009	1
2237.39	4	44681.06					0.009	1
2237.70	25	44674.87	6219_4 – $50894°_3$	0.08			0.009	1
2237.953	35	44669.82	12161_4 – $56831°_4$	0.11			0.009	1
2238.567	10	44657.57	1670_1 – $46327°_2$	0.11			0.009	1
2239.039	8	44648.16					0.009	1
2239.333	7	44642.30	2951_3 – $47593°_3$	0.15			0.009	1
2240.01	7	44628.8					0.009	1
2240.376	35	44621.52	1670_1 – $46291°_1$	0.18			0.009	1
2240.587	30	44617.32					0.009	1
2241.282	50	44603.48	15069_5 – $59673°_5$	0.09			0.009	1
2242.06	25	44588.0	4830_3 – $49417°_3$	0.1			0.009	1
2242.115	5	44586.91	6219_4 – $50806°_5$	0.17			0.009	1
2242.40	25	44581.25	6219_4 – $50800°_3$	0.14			0.009	1
2243.70	6	44555.42	12161_4 – $56717°_3$	0.25			0.009	1
2244.52	4	44539.14	15460_3 – $59999°_2$	0.05			0.009	1
2244.85	4	44532.6	2951_3 – $47483°_3$	0.2			0.009	1

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
2245.86	5	44512.57	13777_2 – $58290°_1$	0.10			0.009	1
2246.77	45*r*	44494.54	3325_2 – $47819°_1$	0.13			0.009	1
2246.92	6	44491.57	2951_3 – $47442°_2$	0.33			0.009	1
2248.096	5	44468.30	17008_6 – $61476°_5$	0.20			0.009	1
2248.750	60*r*	44455.37	13348_3 – $57803°_4$	0.27			0.009	1
2249.22	1	44446.08	14976_2 – $59422°_2$	0.26			0.009	1
2249.508	30	44440.39	4830_3 – $49270°_2$	0.23			0.009	1
2249.804	20	44434.54	1670_1 – $46104°_1$	0.21			0.009	1
2250.11	3	44428.50	17107_4 – $61535°_4$	0.01			0.009	1
2250.31	10	44424.55					0.009	1
2250.35	5	44423.76	14976_2 – $59399°_3$	0.20			0.009	1
2251.02	8	44410.54	2951_3 – $47361°_3$	0.09			0.009	1
2252.236	6	44386.57	2951_3 – $47337°_2$	0.07			0.009	1
2252.30	8	44385.31					0.009	1
2252.36	25	44384.12	13348_3 – $57732°_3$	0.22			0.009	1
2253.093	10	44369.68	17107_4 – $61476°_5$	0.09			0.009	1
2253.91	25*r*	44353.60	0_0 – $44353°_1$	0.14			0.009	1
2254.224	20	44347.43	9528_0 – $53875°_1$	0.23			0.009	1
2254.574	30	44340.54	15069_5 – $59410°_6$	–0.05			0.009	1
2255.505	20	44322.24	12161_4 – $56484°_3$	–0.13			0.009	1
2255.584	8	44320.69					0.009	1
2255.715	10	44318.12	4830_3 – $49147°_4$	0.17			0.009	1
2256.12	15	44310.16	16431_4 – $60741°_5$	0.07			0.009	1
2256.56	3	44301.52					0.009	1
2258.12	40	44270.92	13348_3 – $57619°_3$	0.12			0.009	1
2258.276	2	44267.86	3325_2 – $47593°_3$	–0.05			0.009	1
2259.585	30	44242.22	4830_3 – $49072°_3$	0.08			0.009	1
2259.81	3	44237.82					0.009	1
2260.10	35*r*	44232.14	1670_1 – $45902°_2$	–0.05			0.009	1
2260.98	5	44214.92					0.009	1
2261.39	8	44206.91					0.009	1
2262.06	12	44193.82	15069_5 – $59263°_5$	0.12			0.009	1
2262.18	8	44191.47					0.009	1
2263.158	15	44172.38	17008_6 – $61180°_7$	0.02			0.009	1
2263.274	15	44170.11	12161_4 – $56332°_3$	0.07			0.009	1
2263.88	35*r*	44158.3	3325_2 – $47483°_3$	0.2			0.009	1
2264.45	4	44147.2					0.009	1
2265.42	7	44128.3	2951_3 – $47079°_2$	0.2			0.009	1
2265.67	35	44123.4	13348_3 – $57471°_4$	0.2			0.009	1
2265.915	6	44118.64	12161_4 – $56280°_5$	0.15			0.009	1

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
2265.994	12	44117.10	3325_2 – $47442°_2$	0.10			0.009	1
2266.78	2	44101.80	15069_5 – $59171°_4$	0.02			0.009	1
2266.90	15	44099.5					0.009	1
2267.19	15	44093.8	12161_4 – $56255°_4$	0.1			0.009	1
2267.36	4	44090.5	1670_1 – $45760°_1$	0.0			0.009	1
2268.60	4	44066.4					0.009	1
2268.646	35	44065.53	6219_4 – $50284°_4$	0.22			0.009	1
2268.98	20	44059.0	15069_5 – $59128°_6$	0.1			0.009	1
2269.71	4	44044.9					0.009	1
2270.15	15	44036.3	3325_2 – $47361°_3$	0.1			0.009	1
2271.374	40	44012.61	12161_4 – $56174°_4$	–0.06			0.009	1
2272.135	15	43997.87	19535_5 – $63532°_6$	0.10			0.009	1
2273.02	40	43980.74	2951_3 – $46931°_4$	0.19			0.009	1
2273.75	30	43966.6	13348_3 – $57315°_4$	–0.1			0.009	1
			6219_4 – $50185°_3$	0.2				1
2273.984	10	43962.10	15460_3 – $59422°_2$	0.11			0.009	1
2274.405	40	43953.96	16431_4 – $60385°_4$	0.18			0.009	1
2274.782	20	43946.68	12161_4 – $56108°_3$	0.20			0.009	1
2275.138	8	43939.80	15460_3 – $59399°_3$	0.07			0.009	1
2275.645	25	43930.02	3325_2 – $47255°_1$	0.00			0.009	1
2276.253	15	43918.28	6219_4 – $50137°_5$	0.06			0.009	1
2277.583	60*r*	43892.64	0_0 – $43892°_1$	0.02	6.2e+7	C	0.009	1w, 8t
2280.00	2	43846.1	4830_3 – $48676°_4$	0.0			0.009	1
2280.226	20	43841.77	13777_2 – $57619°_3$	0.12			0.009	1
2280.621	30	43834.18	17701_3 – $61535°_4$	–0.14			0.009	1
			15069_5 – $58903°_5$	0.13				1
2280.85	25	43829.8					0.009	1
2281.050	35	43825.93	12161_4 – $55987°_5$	–0.01			0.009	1
2281.95	30	43808.6					0.009	1
2282.508	30	43797.94	16431_4 – $60229°_5$	0.07			0.009	1
2282.75	35	43793.3	12161_4 – $55955°_4$	–0.1			0.009	1
2283.266	25	43783.40	13348_3 – $57131°_3$	0.18			0.009	1
2283.496	15	43778.99	15069_5 – $58848°_4$	0.02			0.009	1
2283.771	20	43773.72					0.009	1
2284.794	40	43754.12	3325_2 – $47079°_2$	0.25			0.009	1
2284.909	40	43751.92	1670_1 – $45422°_2$	–0.05			0.009	1
2285.17	100*r*	43746.92	6219_4 – $49966°_3$	0.22			0.009	1
2285.90	20	43732.95	17008_6 – $60741°_5$	0.05			0.009	1
2286.21	40	43727.0	16431_4 – $60158°_4$	0.0			0.009	1
2287.012	15	43711.69	15460_3 – $59171°_4$	–0.01			0.009	1

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
2287.212	20	43707.87	15069_5 – $58777°_4$	0.00			0.009	1
2287.344	18	43705.35	12161_4 – $55867°_4$	0.07			0.009	1
2287.46	8	43703.1	1670_1 – $45374°_1$	–0.6			0.009	1
2287.68	30	43698.9	9528_0 – $53227°_1$	–0.1			0.009	1
2288.10	20	43690.9	15069_5 – $58760°_6$	–0.1			0.009	1
2288.695	20	43679.55	14976_2 – $58655°_2$	0.01			0.009	1
2289.01	12	43673.54	2951_3 – $46625°_4$	–0.22			0.009	1
2289.31	15	43667.82	14976_2 – $58644°_3$	–0.10			0.009	1
2289.864	20	43657.26					0.009	1
2290.206	2	43650.74	13348_3 – $56999°_2$	0.00			0.009	1
2290.73	6	43640.75					0.009	1
2290.95	30	43636.56	1670_1 – $45306°_0$	–0.04			0.009	1
2291.09	35	43633.9	17107_4 – $60741°_5$	–0.5			0.009	1
			12161_4 – $55795°_5$	0.4				1
2291.63	6	43623.6					0.009	1
2291.724	6	43621.83					0.009	1
2291.86	5	43619.24	14976_2 – $58595°_2$	0.00			0.009	1
2292.43	5	43608.4					0.009	1
2294.494	80*r*	43569.17	6219_4 – $49788°_4$	–0.08			0.009	1
2297.402	12	43514.03	9528_0 – $53042°_1$	0.09			0.009	1
2297.546	4	43511.30	14976_2 – $58487°_3$	–0.04			0.009	1
2298.332	25	43496.42	4830_3 – $48326°_3$	0.01			0.009	1
2298.521	20	43492.85	15069_5 – $58562°_5$	0.10			0.009	1
2298.727	20	43488.95	4830_3 – $48318°_2$	0.11			0.009	1
2299.032	20	43483.18	13348_3 – $56831°_4$	0.07			0.009	1
2299.15	25	43480.94	3325_2 – $46806°_2$	0.02			0.009	1
2299.55	8	43473.4					0.009	1
2299.97	3	43465.4					0.009	1
2300.70	2	43451.7					0.005	1
2300.906	10	43447.76					0.005	1
2301.072	6	43444.63					0.005	1
2301.568	6	43435.27	12161_4 – $55596°_4$	0.33			0.005	1
2301.642	20	43433.87	2951_3 – $46385°_3$	–0.30			0.005	1
2302.282	25	43421.8					0.005	1
2302.514	4	43417.42	6219_4 – $49636°_4$	0.23			0.005	1
2302.676	20	43414.37	4830_3 – $48244°_2$	0.08			0.005	1
2303.102	30	43406.34	17008_6 – $60414°_6$	0.01			0.005	1
2304.036	3	43388.74	15460_3 – $58848°_4$	–0.15			0.005	1
2304.587	4	43378.37					0.005	1
2305.087	20	43368.96	13348_3 – $56717°_3$	0.39			0.005	1

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
2305.876	12	43354.13	13777_2 – $57131°_3$	0.06			0.005	1
2306.160	10	43348.79	1670_1 – $45019°_2$	0.06			0.005	1
2306.593	35*r*	43340.65	4830_3 – $48170°_3$	0.10			0.005	1
2307.148	3	43330.23	12161_4 – $55492°_5$	–0.03			0.005	1
2307.826	4	43317.50	15460_3 – $58777°_4$	–0.29			0.005	1
2308.012	1	43314.0	14976_2 – $58290°_1$	0.0			0.005	1
2309.018	25*r*	43295.14	6219_4 – $49514°_3$	0.13			0.005	1
2309.11	15	43293.4	12161_4 – $55455°_5$	0.0			0.005	1
2309.93	3	43278.05	17107_4 – $60385°_4$	–0.03			0.005	1
2310.88	20	43260.25	15069_5 – $58330°_4$	0.05			0.005	1
2311.46	8	43249.4					0.005	1
2311.608	8	43246.6	15069_5 – $58316°_4$	0.1			0.005	1
2311.734	6	43244.28					0.005	1
2311.854	15	43242.03	16431_4 – $59673°_5$	0.02			0.005	1
2312.373	12	43232.33					0.005	1
2312.50	8	43229.9	14976_2 – $58206°_3$	0.1			0.005	1
2312.638	5	43227.37	12161_4 – $55389°_3$	0.03			0.005	1
2313.012	25	43220.38	17008_6 – $60229°_5$	–0.30			0.005	1
2313.170	30*r*	43217.43	0_0 – $43217°_1$	0.10	5.0e+7	C	0.005	1w, 8t
2314.174	20*r*	43198.68	6219_4 – $49417°_3$	0.11			0.005	1
2314.332	8	43195.74	15460_3 – $58655°_2$	0.03			0.005	1
2314.83	5	43186.4					0.005	1
2314.946	15	43184.28	12161_4 – $55346°_4$	0.04			0.005	1
2315.474	5	43174.44					0.005	1
2316.587	12	43153.70	13348_3 – $56502°_4$	0.16			0.005	1
2316.644	6	43152.63	19535_5 – $62687°_6$	0.14			0.005	1
2317.392	15	43138.71	4830_3 – $47968°_4$	0.09			0.005	1
2317.554	12	43135.68	13348_3 – $56484°_3$	–0.09			0.005	1
2318.28	8	43122.2	17107_4 – $60229°_5$	0.0			0.005	1
2318.565	12	43116.88	2951_3 – $46068°_3$	0.15			0.005	1
2318.643	12	43115.43	14976_2 – $58091°_3$	0.03			0.005	1
2318.96	25	43109.5	15069_5 – $58179°_5$	0.1			0.005	1
2321.25	15	43067.0	1670_1 – $44737°_1$	0.1			0.005	1
2321.629	40*r*	43059.98	3325_2 – $46385°_3$	0.05			0.005	1
2322.098	4	43051.29	17107_4 – $60158°_4$	–0.02			0.005	1
2322.134	5	43050.62					0.005	1
2323.380	20	43027.53	15460_3 – $58487°_3$	0.02			0.005	1
2324.750	12	43002.18	3325_2 – $46327°_2$	–0.04			0.005	1
2325.462	3	42989.01	19535_5 – $62524°_6$	0.00			0.005	1
2325.761	10	42983.48	13348_3 – $56332°_3$	0.04			0.005	1

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
2326.564	25*r*	42968.65	6219_4 – $49187°_5$	0.06			0.005	1
2326.698	15*r*	42966.17	3325_2 – $46291°_1$	0.07			0.005	1
2326.786	12	42964.55					0.005	1
2327.505	8	42951.28	2951_3 – $45902°_2$	0.09			0.005	1
2327.592	8	42949.67	9528_0 – $52477°_1$	0.16			0.005	1
2328.144	2	42939.49	13777_2 – $56717°_3$	0.07			0.005	1
2328.732	6	42928.65	6219_4 – $49147°_4$	0.03			0.005	1
2328.872	15	42926.07	1670_1 – $44596°_2$	0.08			0.005	1
2329.316	12	42917.88	2951_3 – $45869°_4$	0.07			0.005	1
2329.896	8	42907.20	13348_3 – $56255°_4$	0.11			0.005	1
2331.292	30*r*	42881.51	12161_4 – $55043°_4$	0.13			0.005	1
2331.909	15	42870.16	15460_3 – $58330°_4$	0.04			0.005	1
2332.378	5	42861.55	19826_5 – $62687°_6$	0.09			0.005	1
2332.493	15	42859.44	4830_3 – $47689°_4$	0.11			0.005	1
2332.646	5	42856.63	15460_3 – $58316°_4$	0.18			0.005	1
2332.758	8	42854.57	6219_4 – $49073°_5$	0.02			0.005	1
2332.848	8	42852.92	6219_4 – $49072°_3$	0.11			0.005	1
2333.055	1	42849.11	15069_5 – $57919°_6$	–0.13			0.005	1
2333.146	25	42847.44	12161_4 – $55009°_5$	0.18			0.005	1
2333.967	12	42832.37	16431_4 – $59263°_5$	0.05			0.005	1
2334.301	20	42826.24	13348_3 – $56174°_4$	0.17			0.005	1
2335.787	4	42799.00					0.005	1
2336.866	8	42779.24	3325_2 – $46104°_1$	0.15			0.005	1
2337.17	25	42773.68					0.005	1
2337.724	10	42763.54	4830_3 – $47593°_3$	0.10			0.005	1
2337.918	8	42759.99	13348_3 – $56108°_3$	0.11			0.005	1
2338.155	15	42755.66					0.005	1
2338.478	20	42749.75	12161_4 – $54911°_4$	0.10			0.005	1
2338.681	2	42746.04	15460_3 – $58206°_3$	0.05			0.005	1
2338.871	12	42742.57	3325_2 – $46068°_3$	0.08			0.005	1
2338.983	10	42740.53	16431_4 – $59171°_4$	0.13			0.005	1
2339.348	15	42733.86	15069_5 – $57803°_4$	0.13			0.005	1
2339.543	15	42730.30	13307_1 – $56037°_2$	0.12			0.005	1
2340.837	12	42706.68	13777_2 – $56484°_3$	0.06			0.005	1
2340.99	4	42703.89					0.005	1
2341.368	25	42696.99	1670_1 – $44367°_2$	–0.22			0.005	1
2341.816	20	42688.82	13348_3 – $56037°_2$	0.10			0.005	1
2342.122	12	42683.25	1670_1 – $44353°_1$	0.08			0.005	1
2342.469	35	42676.92					0.005	1
2342.995	5	42667.34					0.005	1

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
2343.125	15	42664.98	17008_6 – $59673°_5$	0.16			0.005	1
2343.74	10	42653.78	4830_3 – $47483°_3$	0.10			0.005	1
2344.32	1	42643.23	14976_2 – $57619°_3$	0.05			0.005	1
2344.918	8	42632.36	15069_5 – $57702°_6$	–0.01			0.005	1
2344.958	2	42631.63	15460_3 – $58091°_3$	0.06			0.005	1
2345.622	4	42619.56	19535_5 – $62154°_5$	0.07			0.005	1
2346.007	8	42612.57	4830_3 – $47442°_2$	0.04			0.005	1
2346.32	5	42606.89	13348_3 – $55955°_4$	0.09			0.005	1
2346.693	10	42600.11	2951_3 – $45551°_3$	0.08			0.005	1
2347.97	10	42576.95	3325_2 – $45902°_2$	0.00	1.48e+7	B	0.005	1w, 8t
2348.16	8	42573.50	0_0 – $42573°_1$	0.01			0.005	1
2348.557	5	42566.30	17107_4 – $59673°_5$	–0.01			0.005	1
2348.847	3	42561.05	18974_3 – $61535°_4$	0.06			0.005	1
2349.328	12	42552.33	13307_1 – $55859°_1$	0.11			0.005	1
2350.461	10	42531.83	4830_3 – $47361°_3$	0.09			0.005	1
2350.546	8	42530.29	4830_3 – $47360°_4$	0.10			0.005	1
2351.792	10	42507.76	4830_3 – $47337°_2$	–0.03			0.005	1
2351.895	1	42505.90	19648_6 – $62154°_5$	–0.06			0.005	1
2352.734	4	42490.74	15069_5 – $57560°_5$	–0.16			0.005	1
2352.962	12	42486.62	13348_3 – $55835°_2$	0.06			0.005	1
2353.38	4	42479.08					0.005	1
2353.737	7	42472.64	16431_4 – $58903°_5$	–0.03			0.005	1
2353.827	7	42471.01	2951_3 – $45422°_2$	0.04			0.005	1
2354.614	15*r*	42456.82	6219_4 – $48676°_4$	0.07			0.005	1
2356.087	4	42430.28					0.005	1
2356.789	8	42417.64	16431_4 – $58848°_4$	0.05			0.005	1
2357.078	3	42412.44					0.005	1
2357.657	10	42402.02	17008_6 – $59410°_6$	0.00			0.005	1
2358.068	15	42394.63	12161_4 – $54556°_3$	0.16			0.005	1
2359.098	2	42376.12	14976_2 – $57352°_3$	–0.02			0.005	1
2360.44	15*r*	42352.03	3325_2 – $45677°_3$	–0.13			0.005	1
2360.753	3	42346.42	16431_4 – $58777°_4$	–0.07			0.005	1
2360.91	5	42343.60	15460_3 – $57803°_4$	–0.05			0.005	1
2361.194	12	42338.51	17008_6 – $59346°_7$	0.03			0.005	1
2361.622	10	42330.84	13777_2 – $56108°_3$	0.11			0.005	1
2361.755	4	42328.45	19826_5 – $62154°_5$	–0.01			0.005	1
2362.641	6	42312.59	13307_1 – $55619°_2$	0.03			0.005	1
2363.072	18*r*	42304.87	1670_1 – $43975°_2$	–0.06	6.9e+7	B	0.005	1w, 8t
2363.464	8	42297.85	17701_3 – $59999°_2$	–0.07			0.005	1
2363.752	2	42292.70	17107_4 – $59399°_3$	–0.03			0.005	1

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
2364.884	5	42272.46	15460_3 – $57732°_3$	0.01			0.005	1
2364.958	8	42271.13	13348_3 – $55619°_2$	0.03			0.005	1
2365.452	12	42262.30	0_0 – $42262°_1$	0.00			0.005	1
2365.853	20	42255.14	17008_6 – $59263°_5$	0.01			0.005	1
2366.177	15	42249.36	4830_3 – $47079°_2$	–0.04			0.005	1
2366.236	5	42248.30	13348_3 – $55596°_4$	–0.04			0.005	1
2366.958	25	42235.42	9528_0 – $51763°_1$	0.04			0.005	1
2367.374	3	42228.00					0.005	1
2367.504	4	42225.68	3325_2 – $45551°_3$	–0.11			0.005	1
2367.693	10	42222.31	1670_1 – $43892°_1$	–0.02	2.3e+7	C	0.005	1w, 8t
2368.216	2	42212.98	16431_4 – $58644°_3$	0.19			0.005	1
2369.088	6	42197.45	13348_3 – $55546°_3$	–0.05			0.005	1
2369.552	4	42189.19					0.005	1
2370.888	15	42165.40	2951_3 – $45116°_4$	–0.08			0.005	1
2371.387	12	42156.54	17107_4 – $59263°_5$	–0.08			0.005	1
2371.849	8	42148.33	12161_4 – $54310°_5$	–0.01			0.005	1
2372.804	14	42131.37	16431_4 – $58562°_5$	0.00			0.005	1
2373.43	10	42120.26	17008_6 – $59128°_6$	–0.04			0.005	1
2374.127	10	42107.89	12161_4 – $54269°_3$	0.08			0.005	1
2374.176	7	42107.02	6219_4 – $48326°_3$	–0.06			0.005	1
2374.468	30*r*	42101.85	4830_3 – $46931°_4$	0.01	6.2e+7	C	0.005	1w, 8t
2374.756	10	42096.74	3325_2 – $45422°_2$	0.01			0.005	1
2375.536	4	42082.92	13307_1 – $55390°_2$	–0.14			0.005	1
2375.61	3	42081.61	13777_2 – $55859°_1$	0.00			0.005	1
2375.753	10	42079.08	15069_5 – $57148°_6$	0.03			0.005	1
2376.064	20	42073.57	15069_5 – $57143°_5$	0.02			0.005	1
2376.394	6	42067.73	2951_3 – $45019°_2$	0.00			0.005	1
2376.566	15	42064.68	17107_4 – $59171°_4$	–0.02			0.005	1
2376.644	3	42063.30	2951_3 – $45014°_3$	0.05			0.005	1
2376.975	10	42057.44	13777_2 – $55835°_2$	0.03			0.005	1
2377.048	15	42056.15	16431_4 – $58487°_3$	–0.06			0.005	1
2377.484	1	42048.44	3325_2 – $45374°_1$	–0.03			0.005	1
2377.916	10	42040.80	13348_3 – $55389°_3$	0.06			0.005	1
2378.916	7	42023.13	14976_2 – $56999°_2$	0.01			0.005	1
2379.066	12	42020.48					0.005	1
2379.556	7	42011.83	15460_3 – $57471°_4$	0.04			0.005	1
2379.65	12	42010.17					0.005	1
2380.194	2	42000.57	19535_5 – $61535°_4$	0.08			0.005	1
2380.356	3	41997.71	13348_3 – $55346°_4$	0.07			0.005	1
2380.832	7	41989.32	2951_3 – $44940°_4$	0.04			0.005	1

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
2381.559	15	41976.50	4830_3 – $46806°_2$	0.05			0.005	1
2382.673	10	41956.88	12161_4 – $54118°_4$	0.06			0.005	1
2382.99	20*r*	41951.29	6219_4 – $48170°_3$	0.07			0.005	1
2383.39	4	41944.25					0.005	1
2383.548	4	41941.47	19535_5 – $61476°_5$	–0.12			0.005	1
2384.824	25*r*	41919.04	6219_4 – $48138°_5$	–0.01			0.005	1
2384.982	2	41916.26	18082_1 – $59999°_2$	–0.01			0.005	1
2386.162	20	41895.53	17008_6 – $58903°_5$	0.05			0.005	1
2386.348	9	41892.27	15460_3 – $57352°_3$	–0.04			0.005	1
2386.75	3	41885.21	16431_4 – $58316°_4$	0.06			0.005	1
2386.918	1	41882.26	18116_2 – $59999°_2$	0.00			0.005	1
2387.212	3	41877.10					0.005	1
2389.078	15*r*	41844.40	1670_1 – $43514°_2$	0.01			0.005	1
2389.21	2	41842.1	13777_2 – $55619°_2$	0.1			0.005	1
2391.794	2	41796.89	17107_4 – $58903°_5$	–0.08			0.005	1
2391.896	10	41795.10	4830_3 – $46625°_4$	0.05			0.005	1
2392.932	20	41777.01	13307_1 – $55084°_2$	0.09			0.005	1
2393.063	15	41774.72	16431_4 – $58206°_3$	0.03			0.005	1
2393.424	25	41768.42	13777_2 – $55546°_3$	0.07			0.005	1
2393.808	8	41761.72	15069_5 – $56831°_4$	–0.02			0.005	1
2394.444	12	41750.63					0.005	1
2394.522	3	41749.27	6219_4 – $47968°_4$	–0.02			0.005	1
2394.59	8	41748.09	16431_4 – $58179°_5$	0.02			0.005	1
2394.947	10	41741.86	17107_4 – $58848°_4$	–0.03			0.005	1
2395.313	15*r*	41735.49	13348_3 – $55084°_2$	0.03			0.005	1
2395.476	30*r*	41732.65	9528_0 – $51260°_1$	0.03			0.005	1
2395.878	10	41725.63	13307_1 – $55032°_2$	0.06			0.005	1
2396.153	1	41720.85	17701_3 – $59422°_2$	0.03			0.005	1
2396.287	2	41718.51	18280_2 – $59999°_2$	–0.11			0.005	1
2396.902	4	41707.81	19827_3 – $61535°_4$	–0.01			0.005	1
2397.304	9	41700.81	12161_4 – $53862°_5$	0.05			0.005	1
2397.434	9	41698.54	17701_3 – $59399°_3$	–0.02			0.005	1
2397.652	2	41694.77	13348_3 – $55043°_4$	–0.01			0.005	1
2397.726	20*r*	41693.48	3325_2 – $45019°_2$	–0.01			0.005	1
2397.984	25*r*	41689.00	3325_2 – $45014°_3$	–0.01			0.005	1
2398.118	8	41686.67	12161_4 – $53848°_4$	0.00			0.005	1
2398.260	10	41684.20	13348_3 – $55032°_2$	0.09			0.005	1
2399.037	15	41670.70	17107_4 – $58777°_4$	–0.09			0.005	1
2400.198	3	41650.54	19826_5 – $61476°_5$	–0.02			0.005	1
2400.519	5	41644.98	2951_3 – $44596°_2$	–0.01			0.005	1

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
2401.155	18	41633.94	13307_1 – $54941°_1$	0.03			0.005	1
2401.298	12	41631.46	6219_4 – $47850°_5$	–0.05			0.005	1
2402.394	6	41612.47	13777_2 – $55390°_2$	0.02			0.005	1
2402.446	15	41611.57	13777_2 – $55389°_3$	–0.02			0.005	1
2402.733	7	41606.60	13777_2 – $55384°_1$	–0.07			0.005	1
2402.924	3	41603.30					0.005	1
2404.244	25	41580.47					0.005	1
2405.257	35	41562.95	13348_3 – $54911°_4$	–0.10			0.005	1
2405.580	30*r*	41557.36	1670_1 – $43227°_2$	–0.01	6.9e+7	B	0.005	1w, 8t
2405.689	20*r*	41555.48	4830_3 – $46385°_3$	0.02			0.005	1
2405.764	15	41554.20	17008_6 – $58562°_5$	0.02			0.005	1
2406.180	15*r*	41547.01	1670_1 – $43217°_1$	–0.03			0.005	1
2406.632	2	41539.20	15460_3 – $56999°_2$	–0.09			0.005	1
2406.760	10	41537.00	17107_4 – $58644°_3$	–0.09			0.005	1
2407.039	2	41532.18	19648_6 – $61180°_7$	–0.14			0.005	1
2408.282	12	41510.73	13348_3 – $54859°_2$	0.14			0.005	1
2408.444	5	41507.95	14976_2 – $56484°_3$	–0.20			0.005	1
2409.034	15	41497.78	4830_3 – $46327°_2$	0.03			0.005	1
2409.155	8	41495.70	2951_3 – $44447°_3$	–0.03			0.005	1
2409.776	1	41485.01	19256_4 – $60741°_5$	–0.15			0.005	1
2410.620	15	41470.50	17701_3 – $59171°_4$	–0.03			0.005	1
2411.427	7	41456.60	15069_5 – $56526°_6$	–0.04			0.005	1
2411.483	7	41455.64	17107_4 – $58562°_5$	–0.03			0.005	1
2412.847	1	41432.22	15069_5 – $56502°_4$	0.05			0.005	1
2413.782	15	41416.17	2951_3 – $44367°_2$	–0.04			0.005	1
2414.039	20*r*	41411.75	3325_2 – $44737°_1$	0.07			0.005	1
2414.118	4	41410.40	18974_3 – $60385°_4$	–0.18			0.005	1
2414.417	4	41405.27					0.005	1
2414.627	5	41401.67					0.005	1
2415.685	35*r*	41383.54	1670_1 – $43053°_0$	–0.05			0.005	1
2415.871	6	41380.36	17107_4 – $58487°_3$	–0.15			0.005	1
2416.237	15	41374.08	6219_4 – $47593°_3$	–0.03			0.005	1
2416.339	10	41372.34	16431_4 – $57803°_4$	–0.01			0.005	1
2417.290	2	41356.06	14976_2 – $56332°_3$	0.24			0.005	1
2418.360	5	41337.78					0.005	1
2418.822	3	41329.87					0.005	1
2420.202	20	41306.31	13777_2 – $55084°_2$	0.00			0.005	1
2420.504	8	41301.16	16431_4 – $57732°_3$	0.01			0.005	1
2422.292	30	41270.67	3325_2 – $44596°_2$	–0.08			0.005	1
2422.662	12	41264.37	6219_4 – $47483°_3$	0.02			0.005	1

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
2423.214	1	41254.97	$13777_2 - 55032°_2$	0.01			0.005	1
2424.206	80*r*	41238.10	$4830_3 - 46068°_3$	0.08	7.8e+7	B	0.005	1w, 8t
2424.770	15	41228.51	$12161_4 - 53390°_3$	0.05			0.005	1
2425.086	1	41223.13	$17107_4 - 58330°_4$	0.01			0.005	1
2425.850	3	41210.15	$15069_5 - 56280°_5$	–0.37			0.005	1
2425.888	5	41209.50	$17107_4 - 58316°_4$	0.05			0.005	1
2425.975	10	41208.02	$13348_3 - 54556°_3$	0.15			0.005	1
2426.076	9	41206.31	$19535_5 - 60741°_5$	–0.08			0.005	1
2426.805	5	41193.94					0.005	1
2427.156	2	41187.97	$16431_4 - 57619°_3$	–0.08			0.005	1
2427.282	15	41185.84	$15069_5 - 56255°_4$	0.12			0.005	1
2427.408	7	41183.70	$18974_3 - 60158°_4$	–0.11			0.005	1n
			$12161_4 - 53345°_3$	0.14				1
2428.158	8	41170.98	$17008_6 - 58179°_5$	0.10			0.005	1
2428.600	6	41163.49	$13777_2 - 54941°_1$	0.19			0.005	1
2429.838	15	41142.50	$6219_4 - 47361°_3$	0.09			0.005	1
2429.930	5	41140.96	$6219_4 - 47360°_4$	0.10			0.005	1
2430.440	20	41132.33	$14976_2 - 56108°_3$	0.07			0.005	1
2430.604	5	41129.56	$16431_4 - 57560°_5$	0.04			0.005	1
2430.647	3	41128.82	$19256_4 - 60385°_4$	–0.03			0.005	1
2430.976	6	41123.26	$13777_2 - 54900°_3$	0.07			0.005	1
2431.081	25*r*	41121.49	$3325_2 - 44447°_3$	0.00	2.9e+7	B	0.005	1w, 8t
2431.604	4	41112.64	$13307_1 - 54419°_1$	0.07			0.005	1
2431.811	3	41109.14					0.005	1
2432.670	2	41094.63	$18116_2 - 59211°_2$	0.00			0.005	1n
2432.776	4	41092.83	$19648_6 - 60741°_5$	–0.03			0.005	1
2433.442	10	41081.59	$13777_2 - 54859°_2$	0.15			0.005	1
2433.739	12	41076.57	$17701_3 - 58777°_4$	–0.05			0.005	1
			$12161_4 - 53238°_4$	0.12				1
2433.982	25	41072.47	$4830_3 - 45902°_2$	–0.01	1.074e+8	A	0.005	1w, 8t
2434.140	6	41069.81	$2951_3 - 44021°_3$	0.10			0.005	1
2434.254	10	41067.88	$13307_1 - 54374°_1$	0.18			0.005	1
2434.658	5	41061.07	$14976_2 - 56037°_2$	–0.03			0.005	1
2435.782	12	41042.13	$15460_3 - 56502°_4$	0.04			0.005	1
			$3325_2 - 44367°_2$	0.16				1
2435.874	6	41040.58	$16431_4 - 57471°_4$	0.09			0.005	1
2435.957	80	41039.18	$4830_3 - 45869°_4$	0.08	2.544e+8	A	0.005	1w, 8t
2436.255	10	41034.16	$2951_3 - 43985°_4$	0.04			0.005	1
2436.363	3	41032.34	$12161_4 - 53194°_5$	0.05			0.005	1
2436.624	25*r*	41027.94	$3325_2 - 44353°_1$	0.01			0.005	1

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
2436.838	5	41024.34	15460_3 – $56484°_3$	0.02			0.005	1
2437.952	10	41005.60	9528_0 – $50533°_1$	0.11			0.005	1
2438.964	8	40988.58	13307_1 – $54295°_0$	0.04			0.005	1
2439.200	12	40984.62	17107_4 – $58091°_3$	0.05			0.005	1
2440.880	5	40956.42	12161_4 – $53118°_4$	0.09			0.005	1
2440.993	3	40954.51	17701_3 – $58655°_2$	–0.03			0.005	1
2441.690	2	40942.83	17701_3 – $58644°_3$	–0.09			0.005	1
2442.391	2	40931.07	18280_2 – $59211°_2$	0.08			0.005	1
2442.976	25	40921.27	13348_3 – $54269°_3$	0.06			0.005	1
2443.171	10	40918.01	15069_5 – $55987°_5$	0.04			0.005	1
2443.326	12	40915.41	19826_5 – $60741°_5$	0.05			0.005	1
2443.612	40	40910.62	17008_6 – $57919°_6$	–0.05			0.005	1
2444.056	60*r*	40903.20	1670_1 – $42573°_1$	0.00	8.7e+7	B	0.005	1w, 8t
2444.170	3	40901.29					0.005	1
2444.272	2	40899.58	2951_3 – $43850°_3$	0.03			0.005	1
2444.590	2	40894.26	17701_3 – $58595°_2$	0.02			0.005	1
2445.119	2	40885.41	15069_5 – $55955°_4$	–0.02			0.005	1
2445.255	4	40883.14	14976_2 – $55859°_1$	0.00			0.005	1
2445.455	8	40879.80	19535_5 – $60414°_6$	–0.02			0.005	1
2445.918	5	40872.05	15460_3 – $56332°_3$	0.06			0.005	1
2446.704	4	40858.92	14976_2 – $55835°_2$	–0.02			0.005	1
2446.800	5	40857.33					0.005	1
2447.375	10	40847.73	4830_3 – $45677°_3$	0.04			0.005	1
2448.390	25*r*	40830.80	12161_4 – $52992°_4$	0.07			0.005	1
2450.398	4	40797.34	15069_5 – $55867°_4$	0.03			0.005	1
2450.50	6	40795.64	15460_3 – $56255°_4$	0.00			0.005	1
2451.346	30*r*	40781.56	12161_4 – $52943°_3$	0.04			0.005	1
2451.484	70*r*	40779.26	1670_1 – $42449°_2$	–0.05			0.005	1
2451.576	4	40777.73	15069_5 – $55847°_6$	–0.02			0.005	1
2451.996	100*r*	40770.74	0_0 – $40770°_1$	–0.04	7.8e+7	B	0.005	1w, 8t
2452.063	4	40769.64	2951_3 – $43720°_4$	0.06			0.005	1
2452.107	3	40768.90	13348_3 – $54117°_3$	0.10			0.005	1n
2453.232	3	40750.22					0.005	1
2454.717	40*r*	40725.56	15069_5 – $55795°_5$	0.01			0.005	1
2454.978	80	40721.23	4830_3 – $45551°_3$	–0.09	7.4e+7	B	0.005	1w, 8t
2455.372	10	40714.70	15460_3 – $56174°_4$	0.08			0.005	1
2455.506	80*r*	40712.48	6219_4 – $46931°_4$	–0.03	7.6e+7	C	0.005	1w, 8t
2456.228	15	40700.51	16431_4 – $57131°_3$	0.04			0.005	1
2456.454	5*w*	40696.77	17107_4 – $57803°_4$	0.12			0.005	1
2456.534	150*r*	40695.44	3325_2 – $44021°_3$	–0.03	4.7e+7	B	0.005	1w, 8t

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
2456.616	3	40694.08	19535_5 – $60229°_5$	–0.09			0.005	1n
			17008_6 – $57702°_6$	0.28				1
2459.146	4	40652.22	13307_1 – $53959°_2$	0.04			0.005	1
2459.300	140*r*	40649.68	3325_2 – $43975°_2$	–0.01	8.6e+7	B	0.005	1w, 8t
2459.602	20	40644.68	12161_4 – $52806°_3$	0.08			0.005	1
2459.674	3	40643.50	14976_2 – $55619°_2$	0.02			0.005	1
2459.768	3	40641.94	13777_2 – $54419°_1$	–0.02			0.005	1
2460.160	50*r*	40635.47	6219_4 – $46854°_5$	0.00			0.005	1
2460.548	10	40629.06	17701_3 – $58330°_4$	0.11			0.005	1
2460.763	6	40625.51	17107_4 – $57732°_3$	0.06			0.005	1
2460.894	15	40623.34	19535_5 – $60158°_4$	0.03			0.005	1
2461.384	3	40615.26	17701_3 – $58316°_4$	–0.02			0.005	1
2461.568	30	40612.22	12161_4 – $52774°_5$	0.08			0.005	1
2461.653	5	40610.82	13348_3 – $53959°_2$	0.10			0.005	1
2462.480	12	40597.19	13777_2 – $54374°_1$	0.10			0.005	1
2462.793	100*r*	40592.02	1670_1 – $42262°_1$	0.01			0.005	1
2462.986	10	40588.84	19826_5 – $60414°_6$	0.05			0.005	1
2463.486	1	40580.61	19648_6 – $60229°_5$	–0.03			0.005	1
2463.688	8	40577.28	15460_3 – $56037°_2$	0.01			0.005	1
2463.952	2	40572.93	18082_1 – $58655°_2$	0.04			0.005	1
2464.135	8	40569.92	14976_2 – $55546°_3$	0.04			0.005	1
2464.305	60*r*	40567.12	3325_2 – $43892°_1$	0.03	4.3e+7	C	0.005	1w, 8t
2464.489	2	40564.09	13348_3 – $53912°_2$	0.10			0.005	1
2464.532	2	40563.38	2951_3 – $43514°_2$	–0.01			0.005	1
2464.798	3	40559.01	19826_5 – $60385°_4$	–0.04			0.005	1
2464.897	2	40557.38	19827_3 – $60385°_4$	–0.03			0.005	1
2465.203	35	40552.34	17008_6 – $57560°_5$	0.01			0.005	1
2466.028	2	40538.78	18116_2 – $58655°_2$	–0.10			0.005	1
2466.848	100*r*	40525.31	3325_2 – $43850°_3$	0.00	6.5e+7	B	0.005	1w, 8t
2467.620	12	40512.63	18082_1 – $58595°_2$	0.04			0.005	1
2468.094	4	40504.85	17701_3 – $58206°_3$	0.03			0.005	1
2468.461	3	40498.82					0.005	1
2468.668	7	40495.43	15460_3 – $55955°_4$	0.08			0.005	1
2468.875	5	40492.03	13777_2 – $54269°_3$	–0.03			0.005	1
2470.260	4	40469.33					0.005	1
2470.733	4	40461.59					0.005	1
2471.208	25	40453.81	17107_4 – $57560°_5$	–0.01			0.005	1
2471.592	5	40447.53	18974_3 – $59422°_2$	0.04			0.005	1
2471.956	5	40441.58					0.005	1
2472.127	15	40438.77					0.005	1

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
2472.506	70*r*	40432.58	4830_3 – $45262°_4$	0.03	3.7e+7	B	0.005	1w, 8t
2473.137	4	40422.26	15069_5 – $55492°_5$	–0.03			0.005	1
2473.458	1	40417.02	19256_4 – $59673°_5$	–0.06			0.005	1
2473.644	3	40413.98	14976_2 – $55390°_2$	0.00			0.005	1
2473.698	10	40413.09	14976_2 – $55389°_3$	–0.03			0.005	1
2473.819	15	40411.12	0_0 – $40411°_1$	0.00			0.005	1
2474.01	2	40408.0	14976_2 – $55384°_1$	–0.2			0.005	1
2474.149	140*r*	40405.73	6219_4 – $46625°_4$	0.01	1.19e+8	B	0.005	1w, 8t
2474.316	1	40403.00	19826_5 – $60229°_5$	–0.14			0.005	1
2474.478	10	40400.36	16431_4 – $56831°_4$	0.00			0.005	1
2474.865	4	40394.04					0.005	1
2475.088	25	40390.40	17701_3 – $58091°_3$	0.00			0.005	1
2475.392	2	40385.44	15069_5 – $55455°_5$	0.02			0.005	1
2476.016	15	40375.26	18280_2 – $58655°_2$	0.02			0.005	1
			15460_3 – $55835°_2$	0.15				1
2476.302	1	40370.60	18116_2 – $58487°_3$	–0.08			0.005	1
2476.656	6	40364.83	17107_4 – $57471°_4$	0.04			0.005	1
2476.809	10	40362.34	13307_1 – $53669°_2$	0.08			0.005	1
2476.992	3	40359.35					0.005	1
2478.458	4	40335.49					0.005	1
2478.644	6	40332.46	19826_5 – $60158°_4$	0.18			0.005	1
2478.756	5	40330.64	19827_3 – $60158°_4$	0.00			0.005	1
2479.361	4	40320.80	13348_3 – $53669°_2$	0.00			0.005	1
2479.720	3	40314.96	18280_2 – $58595°_2$	0.02			0.005	1
2480.130	100*r*	40308.29	1670_1 – $41978°_2$	–0.04	4.7e+7	C	0.005	1w, 8t
2480.658	20	40299.71	2951_3 – $43251°_4$	0.00	2.19e+6	B	0.005	1w, 8t
2480.955	60*r*	40294.89	1670_1 – $41965°_0$	–0.06			0.005	1
2481.440	150*r*	40287.02	6219_4 – $46506°_5$	–0.02	1.48e+8	B	0.005	1w, 8t
2481.504	5	40285.98	16431_4 – $56717°_3$	0.16			0.005	1
2482.10	35*r*	40276.3	2951_3 – $43227°_2$	–0.1	1.68e+7	B	0.005	1w, 8t
2482.212	30*r*	40274.49	12161_4 – $52436°_4$	0.01			0.005	1
2484.741	80*r*	40233.50	12161_4 – $52395°_5$	–0.04			0.005	1
2486.302	18	40208.24	17107_4 – $57315°_4$	0.00			0.005	1
2486.708	5	40201.67					0.005	1
2486.988	5	40197.15	18974_3 – $59171°_4$	–0.05			0.005	1
2487.495	50*r*	40188.96	4830_3 – $45019°_2$	–0.06			0.005	1
2487.770	12	40184.52	4830_3 – $45014°_3$	–0.02			0.005	1
2487.945	7	40181.68	13777_2 – $53959°_2$	0.11			0.005	1
2488.468	3	40173.25	18116_2 – $58290°_1$	–0.09			0.005	1
2488.932	15	40165.76	6219_4 – $46385°_3$	–0.37			0.005	1

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
2489.306	2	40159.72	15460_3 – $55619°_2$	0.07			0.005	1
2489.720	35*r*	40153.04	3325_2 – $43478°_3$	–0.01			0.005	1
2490.309	2	40143.55	19256_4 – $59399°_3$	0.05			0.005	1
2490.495	15	40140.55	17008_6 – $57148°_6$	0.07			0.005	1
2490.718	12	40136.95	15460_3 – $55596°_4$	0.06			0.005	1
2490.846	25	40134.89	13777_2 – $53912°_2$	0.05			0.005	1
2491.998	8	40116.34					0.005	1
2492.360	30	40110.51	4830_3 – $44940°_4$	–0.06			0.005	1
2492.522	5	40107.91	14976_2 – $55084°_2$	0.07			0.005	1
2493.160	18	40097.65	13777_2 – $53875°_1$	0.10			0.005	1
2493.394	30	40093.88	12161_4 – $52255°_3$	0.04			0.005	1
2493.877	4	40086.12	15460_3 – $55546°_3$	0.07			0.005	1
2494.831	30	40070.79	16431_4 – $56502°_4$	0.00			0.005	1
2495.011	3	40067.90					0.005	1
2495.264	100*r*	40063.84	1670_1 – $41734°_2$	0.00	4.7e+7	C	0.005	1w, 8t
2495.72	10	40056.52	14976_2 – $55032°_2$	0.03			0.005	1
2495.931	15	40053.13	16431_4 – $56484°_3$	0.11			0.005	1
2496.110	3	40050.26					0.005	1
2496.249	4	40048.03	23484_6 – $63532°_6$	0.03			0.005	1
2496.97	25	40036.47	17107_4 – $57143°_5$	0.00			0.005	1
2497.293	18	40031.29	17701_3 – $57732°_3$	0.01			0.005	1
2497.697	8	40024.81	19648_6 – $59673°_5$	0.03			0.005	1
			17107_4 – $57131°_3$	0.04				1
2498.638	6	40009.74	18280_2 – $58290°_1$	0.04			0.005	1
2498.788	3	40007.34	19256_4 – $59263°_5$	–0.05			0.005	1
2499.432	25	39997.04	13348_3 – $53345°_3$	0.08			0.005	1
2500.638	3	39977.74	13307_1 – $53284°_2$	–0.08			0.006	1
2500.829	1	39974.69	18116_2 – $58091°_3$	–0.05			0.006	1
2500.905	5	39973.48	15069_5 – $55043°_4$	0.07			0.006	1
2501.440	5	39964.93	14976_2 – $54941°_1$	0.10			0.006	1
2501.780	20	39959.5	2951_3 – $42910°_4$	0.1			0.006	1
2501.896	30	39957.65	19253_2 – $59211°_2$	–0.26			0.006	1
2503.042	12	39939.35	15069_5 – $55009°_5$	0.06			0.006	1
2503.226	4	39936.42	13348_3 – $53284°_2$	0.06			0.006	1
2503.61	4	39930.3	15460_3 – $55390°_2$	0.1			0.006	1
2503.956	30	39924.76	14976_2 – $54900°_3$	0.04			0.006	1
2504.26	3	39919.9	13307_1 – $53227°_1$	0.0			0.006	1
2504.305	4	39919.21	12161_4 – $52081°_5$	0.08			0.006	1
2504.376	4	39918.08	17701_3 – $57619°_3$	–0.10			0.006	1
2504.526	25	39915.69	9528_0 – $49443°_1$	0.05			0.006	1

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
2504.698	60*r*	39912.95	1670_1 – $41583°_2$	0.04	3.2e+7	C	0.006	1w, 8t
2505.374	18	39902.18	3325_2 – $43227°_2$	0.05	2.9e+6	B	0.006	1w, 8t
2505.646	30	39897.85	12161_4 – $52059°_4$	0.03			0.006	1
2506.020	20	39891.89	3325_2 – $43217°_1$	0.09	3.2e+7	C	0.006	1w, 8t
2506.146	20	39889.89	13348_3 – $53238°_4$	0.04			0.006	1
2506.373	4	39886.28	15460_3 – $55346°_4$	0.09			0.006	1
2506.578	3	39883.02	14976_2 – $54859°_2$	0.05			0.006	1
2506.63	3	39882.2					0.006	1
2507.051	12	39875.49	19535_5 – $59410°_6$	–0.02			0.006	1
2507.122	3	39874.36	18974_3 – $58848°_4$	–0.03			0.006	1
2508.444	40	39853.35	12161_4 – $52015°_3$	0.03			0.006	1
2508.734	45	39848.74	6219_4 – $46068°_3$	0.05	2.4e+7	C	0.006	1w, 8t
2508.827	3	39847.26	19826_5 – $59673°_5$	–0.02			0.006	1
2509.178	6	39841.69	15069_5 – $54911°_4$	0.01			0.006	1
2510.166	30	39826.01	15069_5 – $54895°_6$	–0.02			0.006	1
2510.211	4	39825.30					0.006	1
2510.272	6	39824.33	16431_4 – $56255°_4$	–0.01			0.006	1
2510.88	4	39814.7					0.006	1
2511.103	10	39811.15	18280_2 – $58091°_3$	0.05			0.006	1
2511.373	3	39806.87					0.006	1
2511.593	2	39803.38	18974_3 – $58777°_4$	0.09			0.006	1
2512.938	25	39782.09	17008_6 – $56790°_7$	–0.01			0.006	1
2513.366	8	39775.31					0.006	1
2513.664	7	39770.60	17701_3 – $57471°_4$	–0.02			0.006	1
2513.726	4	39769.61	13348_3 – $53118°_4$	–0.12			0.006	1
2513.934	30	39766.32	4830_3 – $44596°_2$	0.04			0.006	1
2514.206	7	39762.02	19648_6 – $59410°_6$	0.04			0.006	1
2515.388	3	39743.34	16431_4 – $56174°_4$	0.02			0.006	1
2515.922	4	39734.90	13307_1 – $53042°_1$	0.00			0.006	1
2516.16	20	39731.14					0.006	1
2516.328	3	39728.49	19535_5 – $59263°_5$	–0.13			0.006	1
2516.549	10	39725.00	17107_4 – $56831°_4$	0.34			0.006	1
2516.632	16	39723.69					0.006	1
2518.235	1	39698.41	19648_6 – $59346°_7$	–0.03			0.006	1
2518.348	4	39696.63	13307_1 – $53003°_2$	0.01			0.006	1
2518.504	18	39694.17	12161_4 – $51856°_4$	0.03			0.006	1
2519.182	18	39683.49					0.006	1
2519.330	3	39681.16	18974_3 – $58655°_2$	–0.05			0.006	1
2519.580	4	39677.22	16431_4 – $56108°_3$	0.09			0.006	1
2519.874	50	39672.59					0.006	1

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
2520.455	50	39663.45	15069_5 – $54733°_6$	0.00			0.006	1
2520.978	30	39655.22	13348_3 – $53003°_2$	0.06			0.006	1
2521.244	5	39651.03	17701_3 – $57352°_3$	–0.11			0.006	1
2521.323	100	39649.79	2951_3 – $42601°_3$	–0.11			0.006	1
			6219_4 – $45869°_4$	0.02				1
2521.686	3	39644.09	13348_3 – $52992°_4$	–0.04			0.006	1
2522.156	12	39636.70	19535_5 – $59171°_4$	0.00			0.006	1
			0_0 – $39636°_1$	0.08				1
2522.96	10	39624.06	15460_3 – $55084°_2$	0.05			0.006	1
2523.410	60*r*	39617.00	4830_3 – $44447°_3$	–0.02	5.1e+7	C	0.006	1w, 8t
2523.484	3	39615.84	18116_2 – $57732°_3$	0.22			0.006	1
2523.531	5	39615.10	19648_6 – $59263°_5$	0.01			0.006	1
2523.592	12	39614.14	17701_3 – $57315°_4$	0.07			0.006	1
2523.686	2	39612.67	13777_2 – $53390°_3$	–0.04			0.006	1
2523.845	4	39610.18	17107_4 – $56717°_3$	0.06			0.006	1
2524.808	16	39595.06	13348_3 – $52943°_3$	0.14			0.006	1
2524.904	3	39593.56	19535_5 – $59128°_6$	–0.23			0.006	1
2525.084	3	39590.74					0.006	1
2525.550	12	39583.43	15460_3 – $55043°_4$	0.10			0.006	1
2525.684	18	39581.34	2951_3 – $42532°_4$	0.01			0.006	1
2525.749	1	39580.32	14976_2 – $54556°_3$	0.07			0.006	1
2525.873	1	39578.38	13307_1 – $52885°_2$	–0.02			0.006	1
2526.232	5	39572.75	15460_3 – $55032°_2$	0.09			0.006	1
2526.328	5	39571.24	20427_1 – $59999°_2$	–0.02			0.006	1
2526.416	12	39569.87	6219_4 – $45789°_5$	0.06			0.006	1
2526.542	3	39567.90	13777_2 – $53345°_3$	0.09			0.006	1
2526.86	4	39562.9	2951_3 – $42514°_3$	0.1			0.006	1
2527.262	9	39556.62	16431_4 – $55987°_5$	0.03			0.006	1
2527.763	40	39548.78	17008_6 – $56557°_7$	0.08			0.006	1
2528.486	50	39537.47	4830_3 – $44367°_2$	–0.03			0.006	1
2529.329	12	39524.30	16431_4 – $55955°_4$	0.25			0.006	1
2529.510	1	39521.47	19256_4 – $58777°_4$	–0.09			0.006	1
2529.722	40	39518.16	17008_6 – $56526°_6$	0.09			0.006	1
2530.048	4	39513.07	18974_3 – $58487°_3$	0.06			0.006	1
2530.417	5	39507.30	13777_2 – $53284°_2$	0.09			0.006	1
2530.986	5	39498.42	2951_3 – $42449°_2$	0.11			0.006	1
2532.148	3	39480.30	19648_6 – $59128°_6$	0.04			0.006	1
2533.551	25	39458.44	6219_4 – $45677°_3$	0.08			0.006	1
2533.635	35*r*	39457.13	1670_1 – $41127°_0$	0.04	9.8e+7	B	0.006	1w, 8t
2533.985	25	39451.68	15460_3 – $54911°_4$	0.08			0.006	1

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
2534.678	30	39440.90	15460_3 – $54900°_3$	0.01			0.006	1
2534.89	5	39437.6	19826_5 – $59263°_5$	0.0			0.006	1
2535.106	35	39434.24	1670_1 – $41104°_2$	0.01			0.006	1
2535.335	25	39430.68	17701_3 – $57131°_3$	0.08			0.006	1
2537.356	15	39399.27	15460_3 – $54859°_2$	0.13			0.006	1
2537.621	10	39395.16	17107_4 – $56502°_4$	0.07			0.006	1
2538.096	6	39387.78	19256_4 – $58644°_3$	–0.08			0.006	1
2538.343	10	39383.95	19827_3 – $59211°_2$	0.16			0.006	1
2538.76	4	39377.5	17107_4 – $56484°_3$	0.2			0.006	1
2539.614	10	39364.24	16431_4 – $55795°_5$	0.07			0.006	1
2540.303	3	39353.57					0.006	1
2540.755	2	39346.57	13307_1 – $52653°_2$	0.09			0.006	1
2540.925	10	39343.93	19827_3 – $59171°_4$	–0.10			0.006	1
2541.063	6	39341.80	19253_2 – $58595°_2$	–0.06			0.006	1
2541.144	8	39340.54					0.006	1
2541.696	20	39332.00	6219_4 – $45551°_3$	0.01	4.8e+6	B	0.006	1w, 8t
2541.948	3	39328.10					0.006	1
2542.237	8	39323.63	19826_5 – $59149°_5$	0.07			0.006	1
2543.050	4	39311.06	12161_4 – $51473°_4$	–0.02			0.006	1
2543.436	40	39305.10	13348_3 – $52653°_2$	0.08			0.006	1
2543.586	5	39302.78	19826_5 – $59128°_6$	0.02			0.006	1
2543.656	4	39301.70	22852_4 – $62154°_5$	0.00			0.006	1
2543.758	1	39300.12	2951_3 – $42251°_3$	–0.10			0.006	1
2543.903	1	39297.88	17701_3 – $56999°_2$	–0.24			0.006	1
2544.170	15	39293.76	14976_2 – $54269°_3$	0.17			0.006	1
2545.340	50*r*	39275.70	3325_2 – $42601°_3$	0.04	2.41e+7	B	0.006	1w, 8t
2545.583	30	39271.95	17008_6 – $56280°_5$	0.00			0.006	1
2546.077	5	39264.33	13777_2 – $53042°_1$	0.04			0.006	1
2546.357	4	39260.01	9528_0 – $48788°_1$	0.01			0.006	1
2546.649	12	39255.51	19648_6 – $58903°_5$	0.07			0.006	1
2547.136	100*r*	39248.00	3325_2 – $42573°_1$	0.04	1.75e+8	B	0.006	1w, 8t
2547.466	25	39242.92	19535_5 – $58777°_4$	0.13			0.006	1
2547.626	15	39240.46	15069_5 – $54310°_5$	0.09			0.006	1
2547.943	6	39235.58	18116_2 – $57352°_3$	0.10			0.006	1
2548.053	1	39233.88	19253_2 – $58487°_3$	–0.08			0.006	1
2548.148	25	39232.42	6219_4 – $45451°_5$	0.10			0.006	1
2548.562	40	39226.05	13777_2 – $53003°_2$	0.04			0.006	1
			19535_5 – $58760°_6$	0.10				1
2550.08	20	39202.70	23484_6 – $62687°_6$	–0.02			0.006	1
2550.131	5	39201.91					0.006	1

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
2550.378	60*r*	39198.12	1670_1 – $40868°_2$	0.01	2.8e+7	C	0.006	1w, 8t
2550.497	12	39196.29	13307_1 – $52503°_2$	–0.02			0.006	1
2550.843	4	39190.98	4830_3 – $44021°_3$	–0.02			0.006	1
2551.00	25	39188.56	3325_2 – $42514°_3$	–0.05			0.006	1
2551.349	200*r*	39183.20	0_0 – $39183°_1$	0.00	1.78e+8	B	0.006	1w, 8t
2551.986	25	39173.42	17107_4 – $56280°_5$	–0.02			0.006	1
2552.489	30	39165.70	13777_2 – $52943°_3$	–0.07			0.006	1
2553.168	70	39155.29	4830_3 – $43985°_4$	–0.12			0.006	1
2553.606	30	39148.57	17107_4 – $56255°_4$	–0.07			0.006	1
2553.824	100*r*	39145.23	4830_3 – $43975°_2$	0.01	4.3e+7	B	0.006	1w, 8t
2554.092	30	39141.12	14976_2 – $54117°_3$	–0.06			0.006	1n
2554.795	2	39130.35	17701_3 – $56831°_4$	–0.14			0.006	1
2554.906	6	39128.65	12161_4 – $51290°_5$	–0.12			0.006	1
2555.207	40	39124.04	3325_2 – $42449°_2$	–0.03			0.006	1
2555.664	4	39117.05	18974_3 – $58091°_3$	–0.02			0.006	1
2555.816	2	39114.72	16431_4 – $55546°_3$	–0.03			0.006	1
2555.968	6	39112.40	19648_6 – $58760°_6$	–0.02			0.006	1
2556.266	20	39107.84	13777_2 – $52885°_2$	0.05			0.006	1
2556.51	3	39104.1					0.006	1
2556.749	40*r*	39100.45	1670_1 – $40770°_1$	–0.04	2.6e+7	C	0.006	1w, 8t
2557.008	18	39096.49	15460_3 – $54556°_3$	0.07			0.006	1
2557.57	20	39087.9	13348_3 – $52436°_4$	0.0			0.006	1
2558.234	2	39077.75	19826_5 – $58903°_5$	–0.19			0.006	1
2558.484	20	39073.94	19256_4 – $58330°_4$	0.05			0.006	1
2558.90	4	39067.58	17107_4 – $56174°_4$	–0.04			0.006	1
2559.339	15	39060.88	16431_4 – $55492°_5$	–0.03			0.006	1
2560.124	40	39048.91	15069_5 – $54118°_4$	0.06			0.006	1
2560.502	8	39043.14	6219_4 – $45262°_4$	–0.08			0.006	1
2560.758	25	39039.24	23484_6 – $62524°_6$	0.00			0.006	1
2561.445	6	39028.77	13777_2 – $52806°_3$	–0.08			0.006	1
2561.528	20	39027.50	19535_5 – $58562°_5$	–0.17			0.006	1
			2951_3 – $41978°_2$	0.17				1
2561.762	3	39023.94	16431_4 – $55455°_5$	–0.10			0.006	1
2561.846	3	39022.66	19826_5 – $58848°_4$	–0.20			0.006	1
2561.968	100*r*	39020.80	4830_3 – $43850°_3$	–0.04	4.8e+7	B	0.006	1w, 8t
2562.296	4	39015.81	17701_3 – $56717°_3$	–0.14			0.006	1
2562.358	10	39014.86	18116_2 – $57131°_3$	–0.08			0.006	1
2563.244	4	39001.38	17107_4 – $56108°_3$	–0.05			0.006	1
2563.343	6	38999.87	22476_4 – $61476°_5$	–0.05			0.006	1
2563.720	6	38994.14	20427_1 – $59422°_2$	–0.02			0.006	1

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
2564.458	4	38982.92	14976_2 – $53959°_2$	–0.18			0.006	1
2564.696	45	38979.30	17008_6 – $55987°_5$	–0.10			0.006	1
2565.232	2	38971.16					0.006	1
2565.806	4	38962.44					0.006	1
2566.104	7	38957.91	16431_4 – $55389°_3$	–0.08			0.006	1
2566.206	6	38956.37					0.006	1
2566.518	6	38951.64	19826_5 – $58777°_4$	–0.12			0.006	1
2566.608	1	38950.27	19827_3 – $58777°_4$	0.15			0.006	1
2566.648	6	38949.66	19256_4 – $58206°_3$	–0.10			0.006	1
2566.968	6	38944.81					0.006	1
2567.258	3	38940.40					0.006	1
2567.506	20	38936.64	3325_2 – $42262°_1$	–0.13			0.006	1
2567.62	10	38934.91	19826_5 – $58760°_6$	–0.01			0.006	1
2568.214	30	38925.90	13307_1 – $52233°_0$	–0.10			0.006	1
			3325_2 – $42251°_3$	–0.08				1
2568.401	2	38923.08	19256_4 – $58179°_5$	–0.06			0.006	1
2568.564	30	38920.61	2951_3 – $41871°_4$	–0.04			0.006	1
2568.85	10	38916.27	18082_1 – $56999°_2$	–0.20			0.006	1
2568.992	40	38914.12	19648_6 – $58562°_5$	–0.02			0.006	1
2569.248	30	38910.25	12161_4 – $51072°_3$	0.03			0.006	1
2569.505	6	38906.35					0.006	1
2569.761	3	38902.48					0.006	1
2569.986	8	38899.07	14976_2 – $53875°_1$	–0.01			0.006	1
2570.099	35	38897.36	6219_4 – $45116°_4$	–0.08			0.006	1
2571.181	12	38880.99	17107_4 – $55987°_5$	0.10			0.006	1
2571.523	7	38875.83	13777_2 – $52653°_2$	–0.04			0.006	1
2572.447	15	38861.86	9528_0 – $48389°_1$	–0.04			0.006	1
2573.152	12	38851.21	18280_2 – $57131°_3$	–0.09			0.006	1
2573.346	12	38848.29	17107_4 – $55955°_4$	–0.06			0.006	1
2573.531	40	38845.49	13307_1 – $52152°_2$	–0.03			0.006	1
2573.952	15	38839.14	17008_6 – $55847°_6$	–0.04			0.006	1
2574.048	3	38837.69	19253_2 – $58091°_3$	–0.33			0.006	1
2574.206	12	38835.31	19256_4 – $58091°_3$	–0.03			0.006	1
2574.684	7	38828.10	19827_3 – $58655°_2$	0.06			0.006	1
2575.468	20	38816.28	19827_3 – $58644°_3$	–0.14			0.006	1
2575.898	20	38809.80	15460_3 – $54269°_3$	0.04			0.006	1
2576.278	5	38804.07	13348_3 – $52152°_2$	0.01			0.006	1
2576.507	1	38800.63	17701_3 – $56502°_4$	–0.29			0.006	1
2576.87	4	38795.15	6219_4 – $45014°_3$	–0.06			0.006	1
			19535_5 – $58330°_4$	0.03				1

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
2577.029	35	38792.76	15069_5 – $53862°_5$	–0.03			0.006	1
2577.411	30	38787.01	17008_6 – $55795°_5$	0.03			0.006	1
2577.69	18	38782.81	2951_3 – $41734°_2$	–0.03			0.006	1
2577.781	5	38781.45	19535_5 – $58316°_4$	0.00			0.006	1
2577.96	9	38778.76	15069_5 – $53848°_4$	0.06			0.006	1
2578.695	8	38767.70	19827_3 – $58595°_2$	–0.04			0.006	1
2579.192	3	38760.24	17107_4 – $55867°_4$	0.01			0.006	1
2579.357	4	38757.75	18974_3 – $57732°_3$	–0.20			0.006	1
2579.409	20	38756.98	13307_1 – $52064°_2$	0.00			0.006	1
2580.040	12	38747.49	12161_4 – $50909°_4$	–0.02			0.006	1
2580.337	30	38743.04	2951_3 – $41694°_3$	–0.01	1.04e+7	C	0.006	1w, 8t
2580.487	125*r*	38740.78	1670_1 – $40411°_1$	–0.05	7.5e+7	B	0.006	1w, 8t
2580.76	3	38736.68	19826_5 – $58562°_5$	0.04			0.006	1
2581.062	35	38732.16	12161_4 – $50894°_3$	0.00			0.006	1
2581.490	15	38725.73	13777_2 – $52503°_2$	0.03			0.006	1
2581.954	2	38718.77	18280_2 – $56999°_2$	–0.05			0.006	1
2582.039	3	38717.49					0.006	1
2582.156	2	38715.74	13348_3 – $52064°_2$	0.22			0.006	1
2582.460	5	38711.18	13348_3 – $52059°_4$	–0.04			0.006	1
2583.222	30	38699.76	13777_2 – $52477°_1$	–0.10			0.006	1
2583.664	15	38693.14	14976_2 – $53669°_2$	–0.04			0.006	1
2584.236	12	38684.58	4830_3 – $43514°_2$	–0.10			0.006	1
2584.386	70	38682.33	17008_6 – $55690°_7$	0.01			0.006	1
2584.932	3	38674.16					0.006	1
2585.235	50	38669.63	23484_6 – $62154°_5$	–0.09			0.006	1
2585.431	45	38666.70	13348_3 – $52015°_3$	–0.02			0.006	1
2585.508	20	38665.55					0.006	1
2585.970	10	38658.64	15460_3 – $54118°_4$	–0.13			0.006	1
2586.048	2	38657.48	15460_3 – $54117°_3$	0.13			0.006	1n
2586.350	8	38652.96	3325_2 – $41978°_2$	–0.13	2.5e+6	C	0.006	1w, 8t
2586.644	25	38648.57	4830_3 – $43478°_3$	–0.01			0.006	1
2586.894	8	38644.83	18974_3 – $57619°_3$	–0.02			0.006	1
2586.944	40	38644.08	12161_4 – $50806°_5$	–0.03			0.006	1
2587.324	15	38638.41	12161_4 – $50800°_3$	–0.07			0.006	1
2587.766	30	38631.81	2951_3 – $41583°_2$	–0.10	4.5e+6	C	0.006	1w, 8t
2588.304	10	38623.78	22852_4 – $61476°_5$	–0.02			0.006	1
2589.088	25	38612.09	16431_4 – $55043°_4$	0.06			0.006	1
2589.727	5	38602.56					0.006	1
2591.174	7	38581.01					0.006	1
2591.386	40	38577.85	16431_4 – $55009°_5$	–0.06			0.006	1

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
2593.388	25	38548.07	2951_3 – $41499°_3$	–0.07	6.0e+5	B	0.006	1w, 8t
2593.44	2	38547.3	19256_4 – $57803°_4$	–0.1			0.006	1
2594.43	5	38532.6					0.006	1
2594.549	7	38530.82	19648_6 – $58179°_5$	–0.02			0.006	1
2595.04	3	38523.53					0.006	1
2596.118	8	38507.54	13348_3 – $51856°_4$	0.00			0.006	1
2596.348	35	38504.13	19826_5 – $58330°_4$	0.04			0.006	1
2596.666	25	38499.41	15460_3 – $53959°_2$	0.14			0.006	1
2597.29	7*w*	38490.16	19826_5 – $58316°_4$	–0.26			0.006	1
			17107_4 – $55596°_4$	0.27				1
2597.384	2	38488.77	19827_3 – $58316°_4$	–0.01			0.006	1
2597.726	25	38483.70	17008_6 – $55492°_5$	–0.02			0.006	1
2597.954	15	38480.32	16431_4 – $54911°_4$	0.02			0.006	1
2598.104	15	38478.11	13777_2 – $52255°_3$	0.02			0.006	1
2598.234	4	38476.18	19256_4 – $57732°_3$	–0.04			0.006	1
2598.416	30	38473.49	17701_3 – $56174°_4$	0.04			0.006	1
2598.672	7	38469.70	16431_4 – $54900°_3$	0.11			0.006	1
2599.126	2	38462.97					0.006	1
2599.316	4	38460.16					0.006	1
2599.568	4	38456.43	13307_1 – $51763°_1$	0.09			0.006	1
2600.209	20	38446.96	17008_6 – $55455°_5$	0.11			0.007	1
2600.734	30	38439.20	17107_4 – $55546°_3$	0.15			0.007	1
2600.904	6	38436.70	18280_2 – $56717°_3$	0.05			0.007	1
2601.052	6	38434.50					0.007	1
2601.963	40*r*	38421.04	4830_3 – $43251°_4$	0.04	1.49e+7	B	0.007	1w, 8t
2602.42	12	38414.3	14976_2 – $53390°_3$	0.1			0.007	1
2602.804	25	38408.63	3325_2 – $41734°_2$	0.03	9.4e+6	C	0.007	1w, 8t
2603.170	5	38403.23					0.007	1
2603.544	40*r*	38397.71	4830_3 – $43227°_2$	0.05	2.8e+7	C	0.007	1w, 8t
2604.156	15	38388.69	15460_3 – $53848°_4$	0.07			0.007	1
2604.282	6	38386.83	13307_1 – $51693°_2$	0.08			0.007	1
2604.385	18	38385.32	17107_4 – $55492°_5$	0.11			0.007	1
2604.464	12	38384.15	19535_5 – $57919°_6$	–0.01			0.007	1
2604.902	6	38377.70	18974_3 – $57352°_3$	–0.11			0.007	1
2605.462	10	38369.45	14976_2 – $53345°_3$	0.11			0.007	1
2605.508	8	38368.77	3325_2 – $41694°_3$	–0.04	2.2e+6	C	0.007	1w, 8t
2605.597	2	38367.46	18116_2 – $56484°_3$	–0.03			0.007	1
2605.708	10	38365.83	19253_2 – $57619°_3$	0.03			0.007	1
2605.884	15	38363.24	19256_4 – $57619°_3$	0.12			0.007	1
2606.388	35*r*	38355.82	0_0 – $38355°_1$	–0.02			0.007	1

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
2606.556	4	38353.35	$19826_5 - 58179°_5$	0.01			0.007	1
2606.892	15	38348.40	$17107_4 - 55455°_5$	0.06			0.007	1
2607.103	12	38345.30	$13348_3 - 51693°_2$	0.01			0.007	1
2607.378	35*r*	38341.26	$1670_1 - 40011°_2$	0.05	1.20e+7	B	0.007	1w, 8t
2607.724	12	38336.17	$17701_3 - 56037°_2$	0.07			0.007	1
2607.808	4	38334.94					0.007	1
2608.222	3	38328.85					0.007	1
2608.32	50*r*	38327.41	$6219_4 - 44546°_5$	–0.02			0.007	1
2609.592	8	38308.74	$14976_2 - 53284°_2$	0.00			0.007	1
2609.874	15	38304.59	$19256_4 - 57560°_5$	0.00			0.007	1
2610.208	20	38299.69	$13307_1 - 51606°_2$	0.01			0.007	1
2610.495	3	38295.47					0.007	1
2610.744	20	38291.82	$9528_0 - 47819°_1$	–0.06			0.007	1
2611.113	10	38286.41	$13777_2 - 52064°_2$	0.04			0.007	1
2611.392	20	38282.32	$17107_4 - 55389°_3$	0.03			0.007	1
2612.188	30	38270.66	$19648_6 - 57919°_6$	0.03			0.007	1
2613.076	80*r*	38257.65	$3325_2 - 41583°_2$	–0.02	5.4e+7	C	0.007	1w, 8t
2613.315	15	38254.16	$17701_3 - 55955°_4$	–0.02			0.007	1
2613.443	4	38252.28	$13348_3 - 51600°_3$	0.32			0.007	1
2613.547	4	38250.76	$14976_2 - 53227°_1$	–0.09			0.007	1
2613.818	50*r*	38246.80	$2951_3 - 41198°_4$	–0.05			0.007	1
2614.452	15	38237.52	$13777_2 - 52015°_3$	–0.05			0.007	1
2615.124	40	38227.69	$6219_4 - 44447°_3$	0.00	1.58e+7	C	0.007	1w, 8t
2615.980	2	38215.2	$18116_2 - 56332°_3$	0.0			0.007	1
2616.353	10	38209.74					0.007	1
2616.666	15	38205.17					0.007	1
2616.760	6	38203.8	$18280_2 - 56484°_3$	0.0			0.007	1
2617.652	5	38190.78					0.007	1
2618.416	4	38179.64					0.007	1
2618.808	25	38173.92	$3325_2 - 41499°_3$	0.02	1.90e+6	B	0.007	1w, 8t
2619.178	40	38168.53	$15069_5 - 53238°_4$	0.05			0.007	1
2619.254	3	38167.42	$19535_5 - 57702°_6$	0.13			0.007	1
2619.342	2	38166.14	$17701_3 - 55867°_4$	0.08			0.007	1
2619.717	8	38160.67					0.007	1
2619.868	6	38158.47	$15069_5 - 53228°_6$	–0.02			0.007	1
2619.954	15	38157.22	$18974_3 - 57131°_3$	–0.05			0.007	1
2620.215	50	38153.42	$2951_3 - 41104°_2$	0.19			0.007	1
2620.516	3	38149.04					0.007	1
2620.996	6	38142.05	$12161_4 - 50303°_3$	0.23			0.007	1
2621.542	16	38134.11	$17701_3 - 55835°_2$	0.17			0.007	1

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
2622.16	30*c*	38125.12	16431_4 – $54556°_3$	0.00			0.007	1
2622.214	35	38124.34	15069_5 – $53194°_5$	0.02			0.007	1
2622.328	30	38122.68	12161_4 – $50284°_4$	0.00			0.007	1
2623.463	2	38106.2					0.007	1
2623.988	2	38098.57	19253_2 – $57352°_3$	–0.19			0.007	1
2624.154	20	38096.16	19256_4 – $57352°_3$	0.08			0.007	1
2624.366	9	38093.08	19826_5 – $57919°_6$	–0.05			0.007	1
2624.996	20	38083.94					0.007	1
2625.220	60*r*	38080.69	4830_3 – $42910°_4$	–0.05			0.007	1
2625.742	2	38073.12					0.007	1
2626.244	40	38065.84	14976_2 – $53042°_1$	0.02			0.007	1
2626.456	3	38062.77					0.007	1
2626.717	12	38058.99	19256_4 – $57315°_4$	–0.02			0.007	1
2627.225	1	38051.63	18280_2 – $56332°_3$	0.11			0.007	1
2627.451	18	38048.36	15069_5 – $53118°_4$	0.00			0.007	1
2628.255	40	38036.73	1670_1 – $39707°_2$	0.00			0.007	1
2628.89	25	38027.53	14976_2 – $53003°_2$	–0.01			0.007	1
2629.086	7	38024.70	18974_3 – $56999°_2$	–0.09			0.007	1
2629.152	15	38023.74	12161_4 – $50185°_3$	0.00			0.007	1
2629.30	3	38021.6					0.007	1
2630.568	5	38003.28					0.007	1
2630.742	10	38000.76	17008_6 – $55009°_5$	0.04			0.007	1
2631.357	7	37991.88	23484_6 – $61476°_5$	0.06			0.007	1
2631.780	25	37985.77	13777_2 – $51763°_1$	0.04			0.007	1
2632.344	2	37977.63	19826_5 – $57803°_4$	0.01			0.007	1
2632.485	35*r*	37975.60	12161_4 – $50137°_5$	0.01			0.007	1
2632.695	80*r*	37972.57	2951_3 – $40923°_3$	0.03			0.007	1
2633.129	150*r*	37966.32	1670_1 – $39636°_1$	–0.01	6.5e+7	B	0.007	1w, 8t
2633.42	6	37962.12					0.007	1
2634.012	15	37953.59	13307_1 – $51260°_1$	0.01			0.007	1
2634.864	20	37941.32					0.007	1
2635.205	5	37936.41	17107_4 – $55043°_4$	0.08			0.007	1
2635.618	45	37930.47	15460_3 – $53390°_3$	0.06			0.007	1
2636.326	3	37920.28	18116_2 – $56037°_2$	–0.16			0.007	1
2636.544	30	37917.14	2951_3 – $40868°_2$	0.03	5.6e+6	B	0.007	1w, 8t
2636.616	12	37916.11	13777_2 – $51693°_2$	–0.03			0.007	1
2636.885	5	37912.24	19648_6 – $57560°_5$	–0.05			0.007	1
2637.085	9	37909.36	14976_2 – $52885°_2$	0.04			0.007	1
2637.161	5	37908.27	22476_4 – $60385°_4$	–0.14			0.007	1
2637.406	10	37904.75	19827_3 – $57732°_3$	–0.03			0.007	1

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
2637.576	15	37902.31	$17107_4 - 55009°_5$	0.10			0.007	1
2638.032	6	37895.75	$17701_3 - 55596°_4$	0.03			0.007	1
2638.615	45	37887.38	$17008_6 - 54895°_6$	–0.08			0.007	1
			$19256_4 - 57143°_5$	0.14				1
2638.746	30	37885.50	$15460_3 - 53345°_3$	–0.01			0.007	1
2639.20	7	37878.98	$16431_4 - 54310°_5$	–0.01			0.007	1
2639.406	3	37876.03	$19826_5 - 57702°_6$	–0.23			0.007	1
2639.896	5w	37869.0					0.007	1
2640.364	6	37862.29	$20427_1 - 58290°_1$	–0.05			0.007	1
2640.724	8	37857.13	$18974_3 - 56831°_4$	–0.03			0.007	1
2641.116	3	37851.51					0.007	1
2641.581	4	37844.84	$17701_3 - 55546°_3$	–0.04			0.007	1
2642.024	15	37838.50	$16431_4 - 54269°_3$	0.04			0.007	1
2642.349	12	37833.85	$13348_3 - 51182°_2$	0.03			0.007	1
2642.681	15	37829.10	$13777_2 - 51606°_2$	0.03			0.007	1
2642.758	6	37828.00	$18280_2 - 56108°_3$	0.04			0.007	1
2642.974	3	37824.91	$15460_3 - 53284°_2$	0.00			0.007	1
2643.122	25	37822.78	$13777_2 - 51600°_3$	–0.03			0.007	1
2643.920	2	37811.38					0.007	1
2644.396	20	37804.56	$17107_4 - 54911°_4$	–0.04			0.007	1
2644.600	30	37801.64	$6219_4 - 44021°_3$	–0.03	7.3e+6	B	0.007	1w, 8t
2645.143	20	37793.88	$17107_4 - 54900°_3$	–0.01			0.007	1
2645.302	9	37791.62	$19827_3 - 57619°_3$	–0.06			0.007	1
2645.692	25	37786.04	$15069_5 - 52855°_6$	–0.01			0.007	1
2646.185	70	37779.00	$3325_2 - 41104°_2$	0.01			0.007	1
2646.365	2	37776.44	$18082_1 - 55859°_1$	–0.05			0.007	1
2646.536	15	37774.00	$0_0 - 37773°_1$	0.04			0.007	1
2646.730	80	37771.22	$4830_3 - 42601°_3$	0.03	1.55e+7	B	0.007	1w, 8t
2647.091	60	37766.07	$6219_4 - 43985°_4$	–0.01			0.007	1
2648.043	12	37752.49	$22476_4 - 60229°_5$	–0.01			0.007	1
			$18082_1 - 55835°_2$	0.20				1
2648.325	3w	37748.47					0.007	1
2648.524	3	37745.64	$19253_2 - 56999°_2$	–0.10			0.007	1
2648.730	15	37742.70	$18974_3 - 56717°_3$	0.08			0.007	1
2649.024	3	37738.51					0.007	1
2649.284	15	37734.81	$19826_5 - 57560°_5$	0.02			0.007	1
2649.792	6	37727.58	$9528_0 - 47255°_1$	0.09			0.007	1
2649.98	30	37724.90	$17008_6 - 54733°_6$	0.02			0.007	1
2650.071	10	37723.60	$13348_3 - 51072°_3$	–0.02			0.007	1
2650.452	40	37718.18	$18116_2 - 55835°_2$	–0.10			0.007	1

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
2650.707	2	37714.55	2951_3 – $40665°_3$	–0.01			0.007	1
2651.388	6	37704.86	6219_4 – $43924°_5$	–0.06			0.007	1
2651.439	10	37704.14	15069_5 – $52774°_5$	–0.03			0.007	1
2651.546	5	37702.62	4830_3 – $42532°_4$	0.00			0.007	1
2652.007	25	37696.07	23484_6 – $61180°_7$	–0.01			0.007	1
2652.507	4	37688.96	17701_3 – $55390°_2$	–0.02			0.007	1
2652.592	50	37687.76	17701_3 – $55389°_3$	–0.36			0.007	1
			16431_4 – $54118°_4$	0.29				1
2652.71	5	37686.08	16431_4 – $54117°_3$	0.03			0.007	1n
2652.844	8	37684.18	4830_3 – $42514°_3$	0.04			0.007	1
2653.015	10	37681.75	22476_4 – $60158°_4$	0.11			0.007	1
2653.314	20	37677.50	14976_2 – $52653°_2$	0.10			0.007	1
2654.499	10*w*	37660.68	20983_2 – $58644°_3$	–0.40			0.007	1
2654.659	60	37658.40	15460_3 – $53118°_4$	0.12			0.007	1
2655.558	15	37645.66	19826_5 – $57471°_4$	–0.10			0.007	1
2655.667	15	37644.12	19827_3 – $57471°_4$	0.00			0.007	1
2656.171	20	37636.98					0.007	1
2656.540	300*r*	37631.75	2951_3 – $40583°_4$	–0.03	6.7e+7	B	0.007	1w, 8t
2656.896	20	37626.70	12161_4 – $49788°_4$	0.08			0.007	1
2657.361	60	37620.12	4830_3 – $42450°_4$	–0.12			0.007	1
2657.399	40	37619.58	4830_3 – $42449°_2$	–0.02			0.007	1
2657.794	1	37614.00	19535_5 – $57148°_6$	0.03			0.007	1
2657.906	15	37612.42	20983_2 – $58595°_2$	0.02			0.007	1
2658.178	30	37608.56	19535_5 – $57143°_5$	0.09			0.007	1
2658.393	10	37605.52	23930_3 – $61535°_4$	0.10			0.007	1
2658.555	12	37603.24					0.007	1
2658.898	25	37598.38	3325_2 – $40923°_3$	0.08			0.007	1
2659.836	3*w*	37585.12					0.007	1
2660.283	2	37578.80	18280_2 – $55859°_1$	–0.04			0.007	1
2660.526	40	37575.38	19256_4 – $56831°_4$	–0.05			0.007	1
2661.552	40	37560.90	13348_3 – $50909°_4$	–0.01			0.007	1
2661.793	4	37557.48					0.007	1
2661.987	1	37554.76	18280_2 – $55835°_2$	0.12			0.007	1
2662.644	20	37545.48	13348_3 – $50894°_3$	–0.08			0.007	1
2662.835	200*r*	37542.80	3325_2 – $40868°_2$	–0.07	4.2e+7	B	0.007	1w, 8t
2663.259	12	37536.82	18082_1 – $55619°_2$	–0.01			0.007	1
2663.556	50	37532.64	15460_3 – $52992°_4$	–0.04			0.007	1
2663.945	18	37527.16	14976_2 – $52503°_2$	–0.07			0.007	1
2664.321	80	37521.86	6219_4 – $43741°_5$	–0.18			0.007	1
2664.966	100	37512.78	1670_1 – $39183°_1$	–0.13	1.78e+7	B	0.007	1w, 8t

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
2665.779	30	37501.34	6219_4 – $43720°_4$	–0.20			0.007	1
			14976_2 – $52477°_1$	–0.05				1n
2665.852	15	37500.30	19648_6 – $57148°_6$	–0.14			0.007	1
2666.238	7	37494.89	19648_6 – $57143°_5$	–0.05			0.007	1
2666.638	8	37489.26	19826_5 – $57315°_4$	0.05			0.007	1
2666.765	7	37487.46	19827_3 – $57315°_4$	–0.11			0.007	1
2667.054	3	37483.40	15460_3 – $52943°_3$	–0.07			0.007	1
2667.206	3	37481.28					0.007	1
2667.684	2	37474.56	12161_4 – $49636°_4$	0.00			0.007	1
2668.473	50	37463.48	19253_2 – $56717°_3$	–0.09			0.007	1
2668.661	6	37460.84	19256_4 – $56717°_3$	–0.05			0.007	1
2669.301	20	37451.86	13348_3 – $50800°_3$	–0.02			0.007	1
2669.473	5	37449.44	17107_4 – $54556°_3$	0.02			0.007	1
2669.777	40	37445.18	3325_2 – $40770°_1$	–0.07	5.8e+6	B	0.007	1w, 8t
2670.766	5	37431.32	16431_4 – $53862°_5$	–0.09			0.007	1
2670.916	7	37429.22	18116_2 – $55546°_3$	0.00			0.007	1
2671.181	18	37425.50	15460_3 – $52885°_2$	0.01			0.007	1
2671.472	200	37421.42	4830_3 – $42251°_3$	–0.09	3.9e+7	B	0.007	1w, 8t
2671.763	40c	37417.34	16431_4 – $53848°_4$	0.02			0.007	1
2672.158	25	37411.82	13307_1 – $50718°_2$	0.02			0.007	1
2672.665	20	37404.72	13777_2 – $51182°_2$	0.05			0.007	1
2673.172	8	37397.62					0.007	1
2674.232	8	37382.80	17701_3 – $55084°_2$	–0.04			0.007	1
2674.692	50	37376.38	22852_4 – $60229°_5$	0.00			0.007	1
2675.126	40	37370.30	13348_3 – $50718°_2$	–0.04			0.007	1
2675.398	35	37366.52	15069_5 – $52436°_4$	0.01			0.007	1
2675.598	2	37363.72					0.007	1
2675.867	60	37359.96	1670_1 – $39030°_2$	0.00	3.1e+6	B	0.007	1w, 8t
2676.415	25	37352.32	12161_4 – $49514°_3$	–0.06			0.007	1
2676.832	12	37346.50	15460_3 – $52806°_3$	–0.05			0.007	1
2677.149	18	37342.07	17701_3 – $55043°_4$	–0.09			0.007	1
2677.276	100	37340.30	3325_2 – $40665°_3$	–0.02	1.59e+7	B	0.007	1w, 8t
2677.913	25	37331.42	17701_3 – $55032°_2$	–0.07			0.007	1
2678.34	10	37325.47	15069_5 – $52395°_5$	–0.10			0.007	1
2678.532	35	37322.80	19826_5 – $57148°_6$	–0.14			0.007	1
2678.878	150	37317.98	2951_3 – $40269°_3$	–0.08			0.007	1
2678.924	20	37317.34	19826_5 – $57143°_5$	–0.10			0.007	1
2679.884	20	37303.96	19827_3 – $57131°_3$	–0.14			0.007	1
2680.046	60	37301.72	17008_6 – $54310°_5$	–0.08			0.007	1
2680.344	12	37297.56					0.007	1

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
2680.412	3	37296.61	19535_5 – $56831°_4$	–0.05			0.007	1
2680.57	15	37294.42	13777_2 – $51072°_3$	–0.05			0.007	1
2681.422	400*r*	37282.57	2951_3 – $40233°_4$	–0.11	7.4e+7	B	0.007	1w, 8t
2681.638	30	37279.56	14976_2 – $52255°_3$	–0.06			0.007	1
2681.883	5	37276.15					0.007	1
2682.146	7	37272.50	18116_2 – $55389°_3$	0.04			0.007	1
2682.219	4	37271.49					0.007	1
2682.50	4	37267.59	18116_2 – $55384°_1$	0.05			0.007	1
2682.648	20	37265.52	18280_2 – $55546°_3$	–0.06			0.007	1
2683.105	5	37259.19	6219_4 – $43478°_3$	–0.06			0.007	1
2683.347	100	37255.82	12161_4 – $49417°_3$	–0.12			0.007	1
2684.072	25	37245.76	19256_4 – $56502°_4$	–0.10			0.007	1
2685.160	20	37230.67	19253_2 – $56484°_3$	–0.10			0.007	1
2685.366	6	37227.82	19256_4 – $56484°_3$	–0.27			0.007	1
2685.472	8	37226.34	13307_1 – $50533°_1$	–0.11			0.007	1
2685.722	30	37222.88	20983_2 – $58206°_3$	–0.10			0.007	1
2686.628	20	37210.33	17701_3 – $54911°_4$	–0.10			0.007	1
2687.141	20	37203.23	17107_4 – $54310°_5$	–0.06			0.007	1
2687.369	80	37200.07	18974_3 – $56174°_4$	–0.05			0.007	1
2687.624	12	37196.54	22476_4 – $59673°_5$	–0.10			0.007	1
2687.84	10	37193.55	15460_3 – $52653°_2$	–0.02			0.007	1
2688.002	30	37191.30					0.007	1
2688.29	25	37187.33	13307_1 – $50494°_2$	–0.11			0.007	1
2689.077	1	37176.44	14976_2 – $52152°_2$	0.00			0.007	1
2689.435	4	37171.50	19827_3 – $56999°_2$	–0.12			0.007	1
2689.656	25	37168.44					0.007	1
2690.069	10	37162.74	17107_4 – $54269°_3$	–0.02			0.007	1
2690.416	20	37157.95	17701_3 – $54859°_2$	–0.02			0.007	1
2690.577	15	37155.71					0.007	1
2691.094	100	37148.58	4830_3 – $41978°_2$	–0.04	1.33e+7	C	0.007	1w, 8t
2691.289	70	37145.90	13348_3 – $50494°_2$	–0.08			0.007	1
2691.566	30	37142.06	19648_6 – $56790°_7$	0.00			0.007	1
2692.159	40	37133.88	18974_3 – $56108°_3$	–0.05			0.007	1
2692.43	10	37130.15					0.007	1
2692.968	3	37122.72					0.007	1
2693.918	15	37109.63	18280_2 – $55390°_2$	–0.05			0.007	1
2694.006	10	37108.42	20983_2 – $58091°_3$	–0.14			0.007	1
2694.338	6	37103.86	18280_2 – $55384°_1$	–0.04			0.007	1
2694.442	5	37102.42					0.007	1
2694.873	3	37096.48					0.007	1

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
2695.22	3	37091.71					0.007	1
2695.50	4	37087.86	$14976_2 - 52064°_2$	–0.04			0.007	1
2695.67	150*r*	37085.52	$3325_2 - 40411°_1$	–0.07	4.7e+7	B	0.007	1w, 8t
2696.198	2	37078.26	$19253_2 - 56332°_3$	–0.18			0.007	1
2696.384	16	37075.70	$19256_4 - 56332°_3$	–0.06			0.007	1
2697.514	60	37060.17	$2951_3 - 40011°_2$	–0.04	3.23e+6	B	0.007	1w, 8t
2698.735	3	37043.40	$15460_3 - 52503°_2$	0.00			0.007	1
2698.844	80	37041.90	$4830_3 - 41871°_4$	–0.04			0.007	1
2699.041	8	37039.21	$14976_2 - 52015°_3$	0.11			0.007	1
2699.594	150*r*	37031.62	$6219_4 - 43251°_4$	–0.05	3.8e+7	B	0.007	1w, 8t
2700.012	100	37025.89	$12161_4 - 49187°_5$	–0.07			0.007	1
2700.141	6	37024.11	$19256_4 - 56280°_5$	–0.10			0.007	1
2700.244	20	37022.71	$13777_2 - 50800°_3$	–0.02			0.007	1
2701.036	8	37011.85	$17107_4 - 54118°_4$	0.08			0.007	1
2701.091	6	37011.10	$15069_5 - 52081°_5$	–0.06			0.007	1
2701.485	20	37005.70	$19826_5 - 56831°_4$	0.07			0.007	1
2701.814	25	37001.20	$18082_1 - 55084°_2$	0.01			0.007	1
2701.95	10	36999.33	$19256_4 - 56255°_4$	–0.08			0.007	1
2702.366	8	36993.64					0.007	1
2702.524	50	36991.47	$19535_5 - 56526°_6$	–0.09			0.007	1
2702.649	10	36989.76	$15069_5 - 52059°_4$	–0.09			0.007	1
2702.934	8	36985.85	$12161_4 - 49147°_4$	–0.14			0.007	1
2703.306	8	36980.77	$18974_3 - 55955°_4$	–0.08			0.007	1
2703.625	25	36976.40	$15460_3 - 52436°_4$	–0.03			0.007	1
2703.974	4	36971.64					0.007	1
2704.040	6	36970.74					0.007	1
2704.308	30	36967.07	$19535_5 - 56502°_4$	–0.02			0.007	1
2705.174	60	36955.24	$13348_3 - 50303°_3$	0.02			0.007	1
2705.599	10	36949.43	$18082_1 - 55032°_2$	–0.41			0.007	1
2706.017	50	36943.73	$3325_2 - 40269°_3$	–0.09			0.007	1
2706.204	25	36941.18	$13777_2 - 50718°_2$	–0.01			0.007	1
2706.579	100	36936.07	$13348_3 - 50284°_4$	–0.01			0.007	1
2707.026	25	36929.96	$23484_6 - 60414°_6$	–0.09			0.007	1
2707.42	6	36924.58	$24610_3 - 61535°_4$	–0.04			0.007	1
2707.877	80	36918.35	$19256_4 - 56174°_4$	–0.04			0.007	1
2708.064	6	36915.80	$18116_2 - 55032°_2$	–0.03			0.007	1
2708.188	50	36914.11	$16431_4 - 53345°_3$	–0.10			0.007	1
2708.36	4	36911.77	$12161_4 - 49073°_5$	–0.15			0.007	1
2708.493	2	36909.96	$12161_4 - 49072°_3$	–0.22			0.007	1
2708.592	100	36908.61	$15069_5 - 51978°_6$	–0.14			0.007	1
			$19648_6 - 56557°_7$	–0.05				1

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
2708.797	30	36905.82	1670_1 – $38576°_0$	–0.03			0.007	1
2708.927	80	36904.04	4830_3 – $41734°_2$	–0.09			0.007	1
2709.118	3*w*	36901.44					0.007	1
2709.76	30	36892.70	18974_3 – $55867°_4$	–0.03			0.007	1
2710.004	35	36889.38	19827_3 – $56717°_3$	–0.07			0.007	1
2710.842	10	36877.98	19648_6 – $56526°_6$	–0.05			0.007	1
2711.846	8	36864.33	4830_3 – $41694°_3$	–0.01			0.007	1
2711.949	3*w*	36862.92					0.007	1
2712.128	4	36860.48	18974_3 – $55835°_2$	–0.13			0.007	1
2712.302	12	36858.12	18082_1 – $54941°_1$	–0.06			0.007	1
2712.516	6	36855.22	17701_3 – $54556°_3$	–0.03			0.007	1
2712.549	2	36854.77	19253_2 – $56108°_3$	–0.11			0.007	1
2712.591	15	36854.20	17008_6 – $53862°_5$	–0.02			0.007	1
2712.743	1	36852.13	19256_4 – $56108°_3$	–0.07			0.007	1
2713.718	12*w*	36838.90					0.007	1
2713.856	16	36837.02	13348_3 – $50185°_3$	–0.12			0.007	1
2714.82	12	36823.94	18116_2 – $54941°_1$	–0.23			0.007	1
2715.086	4	36820.33	22852_4 – $59673°_5$	–0.19			0.007	1
2715.503	75	36814.68	6219_4 – $43034°_5$	–0.09	1.39e+7	B	0.007	1w, 8t
2716.064	10	36807.08	16431_4 – $53238°_4$	–0.02			0.007	1
2716.178	3	36805.53					0.007	1
2716.322	30	36803.58	18280_2 – $55084°_2$	0.04			0.007	1
2716.89	35	36795.90	15460_3 – $52255°_3$	0.11			0.007	1
2717.53	30	36787.22	14976_2 – $51763°_1$	–0.04			0.007	1
2717.612	30	36786.11	15069_5 – $51856°_4$	–0.06			0.007	1
2717.795	5	36783.62	19253_2 – $56037°_2$	–0.10			0.007	1
2718.55	3	36773.42					0.007	1
2718.906	250*r*	36768.60	2951_3 – $39719°_4$	–0.07	4.7e+7	B	0.007	1w, 8t
2719.284	30	36763.50	9528_0 – $46291°_1$	–0.07			0.007	1
2719.331	50	36762.86	16431_4 – $53194°_5$	–0.08			0.007	1
2719.858	50	36755.73	2951_3 – $39707°_2$	0.00			0.007	1
2720.046	30	36753.20	4830_3 – $41583°_2$	0.00			0.007	1
2720.118	10	36752.22	18280_2 – $55032°_2$	0.03			0.007	1
2720.326	8	36749.42	20983_2 – $57732°_3$	–0.02			0.007	1
2720.616	25	36745.50	19535_5 – $56280°_5$	0.06			0.007	1
2720.701	18	36744.34	23484_6 – $60229°_5$	–0.06			0.007	1
2720.856	10	36742.26	18116_2 – $54859°_2$	–0.05			0.007	1
2720.906	35	36741.58	17107_4 – $53848°_4$	–0.04			0.007	1
2721.65	50	36731.53	19256_4 – $55987°_5$	–0.13			0.007	1

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
2722.243	10	36723.53					0.007	1
2722.456	50	36720.66	19535_5 – $56255°_4$	0.02			0.007	1
2722.674	30	36717.72	14976_2 – $51693°_2$	0.05			0.007	1
2722.739	3	36716.85	13777_2 – $50494°_2$	0.02			0.007	1
2723.946	35	36700.58	19826_5 – $56526°_6$	0.05			0.007	1
2724.352	300*r*	36695.10	2951_3 – $39646°_3$	–0.02	1.05e+8	B	0.007	1w, 8t
2724.536	20	36692.62	15460_3 – $52152°_2$	0.01			0.007	1
2724.624	35	36691.44	6219_4 – $42910°_4$	0.03			0.007	1
2725.033	60	36685.94	3325_2 – $40011°_2$	–0.03	1.77e+7	B	0.007	1w, 8t
2725.062	60	36685.55	1670_1 – $38355°_1$	0.00			0.007	1
2725.765	12	36676.08	19826_5 – $56502°_4$	0.02			0.007	1
2725.892	25	36674.38	19827_3 – $56502°_4$	–0.04			0.007	1
2726.26	30	36669.43	4830_3 – $41499°_3$	0.00			0.007	1
2726.496	4	36666.26					0.007	1
2726.918	8	36660.58	18280_2 – $54941°_1$	0.05			0.007	1
2727.208	6	36656.68	19827_3 – $56484°_3$	0.03			0.007	1
2727.954	40	36646.65	6219_4 – $42866°_5$	–0.02			0.007	1
2728.064	20	36645.18	18974_3 – $55619°_2$	0.03			0.007	1
2728.321	20	36641.73					0.007	1
2729.052	20	36631.91	19648_6 – $56280°_5$	0.00			0.007	1
2729.157	12	36630.50	14976_2 – $51606°_2$	–0.10			0.007	1
2729.336	10	36628.10					0.007	1
2729.62	25	36624.29	14976_2 – $51600°_3$	–0.05			0.007	1
2729.761	35	36622.41	18974_3 – $55596°_4$	0.02			0.007	1
2730.05	3	36618.53					0.007	1
2730.146	6	36617.24	13348_3 – $49966°_3$	–0.23			0.007	1
2730.279	3	36615.46					0.007	1
2730.61	2	36611.02	19256_4 – $55867°_4$	0.02			0.007	1
2731.006	8	36605.71	19253_2 – $55859°_1$	–0.05			0.007	1
2731.125	30	36604.12	15460_3 – $52064°_2$	0.05			0.007	1
2731.451	7	36599.74	15460_3 – $52059°_4$	–0.03			0.007	1
2732.809	25	36581.56	19253_2 – $55835°_2$	0.00			0.007	1
2733.026	4	36578.65	18280_2 – $54859°_2$	–0.02			0.007	1
2733.178	50	36576.61	9528_0 – $46104°_1$	0.05			0.007	1
2733.562	15	36571.48	18974_3 – $55546°_3$	–0.07			0.007	1
2733.775	40	36568.63	17701_3 – $54269°_3$	0.04			0.007	1
2734.316	4	36561.40	16431_4 – $52992°_4$	0.02			0.007	1
2734.409	4	36560.16					0.007	1
2734.771	40	36555.31	15460_3 – $52015°_3$	0.04			0.007	1
2735.402	15	36546.88	22852_4 – $59399°_3$	–0.06			0.007	1

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
2735.618	6	36544.00	23455_1 – $59999°_2$	–0.08			0.007	1
2735.975	50	36539.22	19256_4 – $55795°_5$	–0.02			0.007	1
2736.888	4	36527.04					0.007	1
2737.426	5	36519.86					0.007	1
2738.002	40	36512.18	16431_4 – $52943°_3$	0.01			0.007	1
2738.562	6	36504.71					0.007	1
2738.769	10	36501.95					0.007	1
2739.564	40	36491.36	13307_1 – $49798°_0$	–0.02			0.007	1
2739.903	3	36486.84					0.007	1
2741.129	3	36470.53					0.007	1
2742.306	8	36454.88	23930_3 – $60385°_4$	–0.13			0.007	1
2742.471	15	36452.68	19535_5 – $55987°_5$	–0.21			0.007	1
2743.068	4	36444.75					0.007	1
2743.426	50	36440.00	13348_3 – $49788°_4$	–0.02			0.007	1
2744.209	20	36429.60	19826_5 – $56255°_4$	–0.01			0.007	1
2744.338	20	36427.88	19827_3 – $56255°_4$	–0.09			0.007	1
2744.386	25	36427.25	22476_4 – $58903°_5$	–0.05			0.007	1
2744.910	15	36420.30	19535_5 – $55955°_4$	–0.05			0.007	1
2745.113	12	36417.60	17701_3 – $54118°_4$	0.00			0.007	1
2745.268	1	36415.54	18974_3 – $55390°_2$	–0.11			0.007	1
2745.325	10	36414.80	18974_3 – $55389°_3$	0.01			0.007	1
2745.626	12	36410.80	22852_4 – $59263°_5$	–0.03			0.007	1
2745.837	20	36408.00	13777_2 – $50185°_3$	0.01			0.007	1
2746.206	40	36403.11	15069_5 – $51473°_4$	0.00			0.007	1
2746.734	40	36396.11	15460_3 – $51856°_4$	0.02			0.007	1
2747.005	50	36392.52	13307_1 – $49699°_2$	0.06			0.007	1
2747.155	15	36390.54					0.007	1
2747.826	40	36381.65	6219_4 – $42601°_3$	–0.21			0.007	1
			3325_2 – $39707°_2$	0.16				1
2748.312	20	36375.21	16431_4 – $52806°_3$	–0.04			0.007	1
2748.577	30	36371.71	18974_3 – $55346°_4$	0.02			0.007	1
2748.767	5	36369.20	20983_2 – $57352°_3$	–0.10			0.007	1
2748.844	80	36368.17	4830_3 – $41198°_4$	0.03			0.007	1
2748.997	25	36366.15	19253_2 – $55619°_2$	0.05			0.007	1
2749.538	1	36359.01					0.007	1
2749.641	10	36357.65					0.007	1
2750.145	40	36350.98	13348_3 – $49699°_2$	–0.02			0.007	1
2750.325	10	36348.60	19826_5 – $56174°_4$	0.01			0.007	1
2750.444	10	36347.03	19827_3 – $56174°_4$	0.08			0.007	1
2750.763	15	36342.82	16431_4 – $52774°_5$	0.03			0.007	1

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
2750.948	3	36340.38	19256_4 – $55596°_4$	–0.28			0.007	1
2751.027	3	36339.32	19648_6 – $55987°_5$	–0.04			0.007	1
2751.210	15	36336.90	18082_1 – $54419°_1$	0.06			0.007	1
2751.559	8	36332.30	19535_5 – $55867°_4$	0.07			0.007	1
2751.691	5	36330.55					0.007	1
2752.051	9	36325.80					0.007	1
2752.172	10	36324.20					0.007	1
2752.418	10	36320.95	3325_2 – $39646°_3$	0.07			0.007	1
2752.570	6	36318.95	22852_4 – $59171°_4$	0.04			0.007	1
2752.996	30	36313.33	6219_4 – $42532°_4$	0.04			0.007	1
2753.049	15	36312.63	19535_5 – $55847°_6$	–0.04			0.007	1
2753.159	20	36311.18	3325_2 – $39636°_1$	0.09			0.007	1
2753.648	3	36304.72					0.007	1
2753.793	3	36302.81	18116_2 – $54419°_1$	–0.02			0.007	1
2753.940	1	36300.88	22476_4 – $58777°_4$	–0.24			0.007	1
2754.258	3	36296.69	22852_4 – $59149°_5$	–0.11			0.007	1n
2754.402	12	36294.80	6219_4 – $42514°_3$	–0.01			0.007	1
2754.58	5	36292.45	19253_2 – $55546°_3$	–0.05			0.007	1
2754.78	3	36289.81	19256_4 – $55546°_3$	–0.01			0.007	1
2754.915	30	36288.03	13348_3 – $49636°_4$	0.07			0.007	1
2755.266	40	36283.41	17107_4 – $53390°_3$	0.00			0.007	1
2755.465	8	36280.79	19827_3 – $56108°_3$	0.03			0.007	1
2755.584	15	36279.22					0.007	1
2755.830	3	36275.99	18280_2 – $54556°_3$	0.04			0.007	1
2755.942	40	36274.51	4830_3 – $41104°_2$	–0.01			0.007	1
2756.360	12	36269.01					0.007	1
2756.694	12	36264.62					0.007	1
2757.008	8	36260.49	19535_5 – $55795°_5$	0.02			0.007	1
2757.201	8	36257.95	18116_2 – $54374°_1$	–0.01			0.007	1
2758.683	20	36238.47	17107_4 – $53345°_3$	–0.04			0.007	1
2758.876	20	36235.93	19256_4 – $55492°_5$	–0.05			0.007	1
2759.035	25	36233.85	15460_3 – $51693°_2$	0.01			0.007	1
2759.122	6	36232.71	9528_0 – $45760°_1$	–0.03			0.007	1
2759.257	10	36230.93	6219_4 – $42450°_4$	0.02			0.007	1
2759.904	5	36222.44					0.007	1
2760.036	30	36220.71	15069_5 – $51290°_5$	–0.09			0.007	1
2760.100	8	36219.87	17008_6 – $53228°_6$	–0.05			0.007	1
2760.409	7	36215.81					0.007	1
2760.742	12	36211.44	17701_3 – $53912°_2$	0.07			0.007	1
2760.84	40	36210.16	13307_1 – $49517°_2$	0.00			0.007	1

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
2761.142	30	36206.20	14976_2 – $51182°_2$	0.00			0.007	1
2761.685	12	36199.08	19648_6 – $55847°_6$	–0.06			0.007	1
			19256_4 – $55455°_5$	–0.03				1
2762.339	150	36190.51	0_0 – $36190°_1$	0.02	1.84e+7	B	0.007	1w, 8t
2762.499	6	36188.42	23484_6 – $59673°_5$	–0.12			0.007	1
			13777_2 – $49966°_3$	0.10				1
2762.70	35	36185.78	17008_6 – $53194°_5$	0.03			0.007	1
2763.55	4	36174.66					0.007	1
2763.614	5	36173.82					0.007	1
2764.004	30	36168.72	13348_3 – $49517°_2$	0.02			0.007	1
2764.344	10	36164.27	12161_4 – $48326°_3$	–0.18			0.007	1
2764.638	4	36160.42					0.007	1
2765.131	4	36153.97					0.007	1
2765.211	12	36152.93	18116_2 – $54269°_3$	0.00			0.007	1
2765.535	2	36148.69	20983_2 – $57131°_3$	–0.07			0.007	1
2765.642	50*l*	36147.30	17701_3 – $53848°_4$	–0.15			0.007	1
			19648_6 – $55795°_5$	0.36				1
			15460_3 – $51606°_2$	0.53				1
2766.268	3	36139.11	18280_2 – $54419°_1$	–0.08			0.007	1
2766.464	8	36136.56	19253_2 – $55390°_2$	–0.04			0.007	1
2766.531	3	36135.68	19253_2 – $55389°_3$	–0.06			0.007	1
2766.731	20	36133.07	19256_4 – $55389°_3$	0.01			0.007	1
2766.861	4	36131.37	17107_4 – $53238°_4$	–0.03			0.007	1
2766.898	6	36130.89	19253_2 – $55384°_1$	0.07			0.007	1
2767.144	50	36127.68	19827_3 – $55955°_4$	0.00			0.007	1
2767.472	5	36123.39					0.007	1
2768.534	12	36109.54	18974_3 – $55084°_2$	0.03			0.007	1
2768.848	6	36105.44					0.007	1
2768.982	100	36103.70	1670_1 – $37773°_1$	0.03			0.007	1
2769.576	10	36095.95	14976_2 – $51072°_3$	–0.05			0.007	1
2769.741	80	36093.80	4830_3 – $40923°_3$	–0.03			0.007	1
2770.042	15	36089.88	19256_4 – $55346°_4$	–0.08			0.007	1
2770.215	30	36087.61					0.007	1
2770.349	6	36085.88	22476_4 – $58562°_5$	–0.12			0.007	1
2770.880	200*r*	36078.96	2951_3 – $39030°_2$	0.00	1.83e+7	B	0.007	1w, 8t
2771.628	50	36069.23	13348_3 – $49417°_3$	–0.11			0.007	1
2772.188	30	36061.94	19535_5 – $55596°_4$	0.05			0.007	1
2772.485	30	36058.08	18974_3 – $55032°_2$	–0.08			0.007	1
2773.022	6	36051.10	22852_4 – $58903°_5$	–0.08			0.007	1
2773.702	80	36042.26	19648_6 – $55690°_7$	–0.02			0.007	1

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
2773.918	8	36039.45	$19827_3 - 55867°_4$	–0.11			0.007	1
2773.999	200*r*	36038.40	$4830_3 - 40868°_2$	0.00	3.9e+7	B	0.007	1w, 8t
2774.476	300*r*	36032.20	$6219_4 - 42251°_3$	0.02	4.8e+7	B	0.007	1w, 8t
2775.290	4	36021.64	$19826_5 - 55847°_6$	0.00			0.007	1
2775.71	1	36016.19	$23982_2 - 59999°_2$	–0.11			0.007	1
			$20983_2 - 56999°_2$	–0.09				1
2775.988	8*c*	36012.58	$15460_3 - 51473°_4$	–0.45			0.007	1
2776.095	40	36011.19	$17107_4 - 53118°_4$	–0.09			0.007	1
2776.30	5	36008.53	$12161_4 - 48170°_3$	–0.06			0.007	1
2776.392	6	36007.35	$19827_3 - 55835°_2$	–0.09			0.007	1
2776.564	10	36005.12	$16431_4 - 52436°_4$	–0.01			0.007	1
2776.916	3	36000.55	$18116_2 - 54117°_3$	0.03			0.007	1n
2777.269	15	35995.97	$22852_4 - 58848°_4$	–0.13			0.007	1
2777.786	10	35989.27	$18280_2 - 54269°_3$	–0.02			0.007	1
2778.787	1	35976.31	$12161_4 - 48138°_5$	–0.11			0.007	1
2779.321	15	35969.39	$19826_5 - 55795°_5$	–0.05			0.007	1
2779.52	1	35966.82	$23455_1 - 59422°_2$	–0.16			0.007	1
2779.642	15	35965.24.					0.007	1
2779.733	30	35964.07	$16431_4 - 52395°_5$	–0.12			0.007	1
2779.824	8	35962.89	$13307_1 - 49270°_2$	–0.17			0.007	1
2780.285	60	35956.94	$19535_5 - 55492°_5$	–0.27			0.007	1
2781.376	4*w*	35942.82					0.007	1
2781.820	15	35937.09	$18974_3 - 54911°_4$	–0.01			0.007	1
2782.658	12	35926.26	$18974_3 - 54900°_3$	–0.13			0.007	1
2782.692	1	35925.82	$23484_6 - 59410°_6$	0.08			0.007	1
2782.763	3	35924.90	$22852_4 - 58777°_4$	–0.10			0.007	1
2783.022	10	35921.57	$13348_3 - 49270°_2$	–0.03			0.007	1
2783.131	40	35920.16	$19535_5 - 55455°_5$	–0.18			0.007	1
2783.679	20	35913.09					0.007	1
2785.806	15	35885.67	$17107_4 - 52992°_4$	–0.01			0.007	1
2785.896	25	35884.51	$18974_3 - 54859°_2$	–0.13			0.007	1
2786.102	8	35881.86	$15069_5 - 50951°_6$	–0.07			0.007	1
2786.52	30	35876.48	$18082_1 - 53959°_2$	0.03			0.007	1
2787.131	6	35868.61					0.007	1
2787.632	10	35862.16	$23484_6 - 59346°_7$	–0.04			0.007	1
2787.984	50	35857.63	$3325_2 - 39183°_1$	–0.04	9.5e+6	B	0.007	1w, 8t
2788.778	10	35847.43	$17008_6 - 52855°_6$	–0.05			0.007	1
2788.906	6	35845.78	$9528_0 - 45374°_1$	–0.16			0.007	1
2789.074	30	35843.62	$19648_6 - 55492°_5$	–0.06			0.007	1
2789.170	10	35842.39	$18116_2 - 53959°_2$	–0.05			0.007	1

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
2789.380	25	35839.69	22476_4 – $58316°_4$	–0.09			0.007	1n
			15069_5 – $50909°_4$	0.15				1
2789.623	5	35836.56	17107_4 – $52943°_3$	0.09			0.007	1
2789.684	25	35835.78	4830_3 – $40665°_3$	–0.07	1.56e+6	B	0.007	1w, 8t
2790.103	3	35830.41	19253_2 – $55084°_2$	–0.05			0.007	1
2790.210	2	35829.03					0.007	1
2790.576	25	35824.33	16431_4 – $52255°_3$	–0.16			0.007	1
			14976_2 – $50800°_3$	0.07				1
2791.604	4	35811.14	19535_5 – $55346°_4$	–0.05			0.007	1
2791.961	80	35806.56	12161_4 – $47968°_4$	–0.10			0.007	1
2792.216	20	35803.29	13348_3 – $49151°_2$	–0.09			0.007	1
2792.526	25	35799.32	13348_3 – $49147°_4$	–0.07			0.007	1
2792.696	60*r*	35797.14	2951_3 – $38748°_4$	–0.01			0.007	1
2792.781	35	35796.05	1670_1 – $37466°_2$	0.04			0.007	1
2793.105	12	35791.90	19827_3 – $55619°_2$	–0.08			0.007	1
2793.496	8	35786.89	19256_4 – $55043°_4$	–0.21			0.007	1
2794.127	12	35778.81	23484_6 – $59263°_5$	–0.04			0.007	1
2794.278	3	35776.87					0.007	1
2794.506	8	35773.96	24610_3 – $60385°_4$	–0.25			0.007	1
2794.752	6	35770.81	19826_5 – $55596°_4$	–0.05			0.007	1
2794.882	5	35769.14	19827_3 – $55596°_4$	–0.08			0.007	1
2795.165	10	35765.52	17008_6 – $52774°_5$	–0.08			0.007	1
2795.723	3	35758.38	18116_2 – $53875°_1$	–0.04			0.007	1
2795.906	2	35756.04					0.007	1
2796.153	30	35752.88	4830_3 – $40583°_4$	–0.19			0.007	1
			19256_4 – $55009°_5$	–0.10				1
2796.958	4	35742.60	14976_2 – $50718°_2$	–0.12			0.007	1
2797.201	25	35739.49	13777_2 – $49517°_2$	–0.06			0.007	1
2797.464	25	35736.13	15069_5 – $50806°_5$	–0.01			0.007	1
2797.633	10	35733.97	20983_2 – $56717°_3$	–0.14			0.007	1
2798.005	6	35729.22	22476_4 – $58206°_3$	–0.10			0.007	1
2798.286	3	35725.63					0.007	1
2798.455	12	35723.47	13348_3 – $49072°_3$	–0.11			0.007	1
2798.544	6	35722.34	15460_3 – $51182°_2$	–0.03			0.007	1
2798.860	5	35718.30	19827_3 – $55546°_3$	–0.08			0.007	1
2799.688	15	35707.74					0.007	1
2799.928	50	35704.68	3325_2 – $39030°_2$	–0.04	1.30e+7	B	0.007	1w, 8t
2800.097	8	35702.53	22476_4 – $58179°_5$	–0.17			0.008	1
2800.333	8	35699.52	17107_4 – $52806°_3$	–0.03			0.008	1
2800.886	10	35692.47					0.008	1

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
2801.172	25	35688.83	12161_4 – $47850°_5$	–0.05			0.008	1
2801.410	6	35685.80					0.008	1
2801.469	5	35685.04	20174_0 – $55859°_1$	–0.08			0.008	1
2801.644	8	35682.81	27849_5 – $63532°_6$	–0.17			0.008	1
2801.848	3	35680.22					0.008	1
2801.958	15	35678.81	18280_2 – $53959°_2$	0.01			0.008	1
2802.884	15	35667.03	17107_4 – $52774°_5$	–0.06			0.008	1
2802.958	20	35666.09	19826_5 – $55492°_5$	–0.09			0.008	1
			13777_2 – $49443°_1$	0.10				1
2803.800	7	35655.38	19256_4 – $54911°_4$	0.01			0.008	1
2804.020	30	35652.58	6219_4 – $41871°_4$	–0.03			0.008	1
2804.243	30	35649.75	16431_4 – $52081°_5$	–0.03			0.008	1
2804.676	40	35644.24	17701_3 – $53345°_3$	–0.10			0.008	1
			23484_6 – $59128°_6$	0.22				1
2804.996	6	35640.18	13777_2 – $49417°_3$	–0.01			0.008	1
2805.427	4	35634.70	22852_4 – $58487°_3$	–0.02			0.008	1
2805.632	30	35632.10	18280_2 – $53912°_2$	0.03			0.008	1
2805.874	10	35629.02	19826_5 – $55455°_5$	–0.29			0.008	1
2806.787	4	35617.44					0.008	1
2807.208	6	35612.09	15460_3 – $51072°_3$	–0.08			0.008	1
2807.725	35	35605.54	19253_2 – $54859°_2$	–0.05			0.008	1
2807.938	12	35602.84					0.008	1
2808.574	20	35594.78	18280_2 – $53875°_1$	0.00			0.008	1
2809.231	10	35586.45	18082_1 – $53669°_2$	–0.08			0.008	1
2809.430	3	35583.93	16431_4 – $52015°_3$	–0.04			0.008	1
2809.594	15	35581.85	18974_3 – $54556°_3$	–0.07			0.008	1
2811.122	10	35562.51	19827_3 – $55390°_2$	0.03			0.008	1
2811.185	2	35561.71	19827_3 – $55389°_3$	0.09			0.008	1
2811.534	12	35557.30	14976_2 – $50533°_1$	–0.07			0.008	1
2811.911	4	35552.53	18116_2 – $53669°_2$	0.01			0.008	1
2812.324	10	35547.31	24610_3 – $60158°_4$	–0.13			0.008	1
2813.128	35	35537.16	17701_3 – $53238°_4$	–0.07			0.008	1
2813.902	3	35527.38	12161_4 – $47689°_4$	0.01			0.008	1
2814.478	6	35520.11	19826_5 – $55346°_4$	–0.05			0.008	1
2814.604	8	35518.52	19827_3 – $55346°_4$	0.00			0.008	1
2815.416	40	35508.28	19535_5 – $55043°_4$	–0.05			0.008	1
2815.880	6	35502.43					0.008	1
2815.975	4	35501.23	20983_2 – $56484°_3$	–0.08			0.008	1
2816.326	8	35496.80					0.008	1
2816.685	12	35492.28	13777_2 – $49270°_2$	–0.17			0.008	1

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
2817.590	10	35480.88	13307_1 – $48788°_1$	–0.08			0.008	1
2818.060	250*r*	35474.96	6219_4 – $41694°_3$	–0.05	4.3e+7	B	0.008	1w, 8t
2818.138	40	35473.98	19535_5 – $55009°_5$	–0.23			0.008	1
2818.480	4	35469.68	23930_3 – $59399°_3$	0.02			0.008	1
2818.957	2	35463.68	22852_4 – $58316°_4$	0.02			0.008	1
2819.108	4	35461.78					0.008	1
2819.330	3	35458.98					0.008	1
2820.092	12	35449.40	15460_3 – $50909°_4$	–0.06			0.008	1
2820.702	20	35441.74					0.008	1
2820.900	3	35439.25	4830_3 – $40269°_3$	–0.10			0.008	1
			23982_2 – $59422°_2$	0.05				1
2821.310	20	35434.10	15460_3 – $50894°_3$	–0.01			0.008	1
2821.522	15	35431.44	12161_4 – $47593°_3$	–0.04			0.008	1
2821.629	6	35430.09					0.008	1
2822.054	7	35424.76	16431_4 – $51856°_4$	–0.03			0.008	1
2822.597	30	35417.95					0.008	1
2822.659	5	35417.17	17701_3 – $53118°_4$	0.06			0.008	1
2823.460	1	35407.12	20427_1 – $55835°_2$	–0.16			0.008	1
2823.710	30	35403.98	4830_3 – $40233°_4$	0.01			0.008	1
2824.467	5	35394.50					0.008	1
2824.983	3	35388.03	24610_3 – $59999°_2$	–0.19			0.008	1
2825.072	6	35386.92	17008_6 – $52395°_5$	–0.08			0.008	1
2825.248	3	35384.71					0.008	1
2825.366	3	35383.24					0.008	1
2825.891	3	35376.66	19535_5 – $54911°_4$	0.06			0.008	1
2826.084	15	35374.25	13777_2 – $49151°_2$	0.02			0.008	1
2826.598	5	35367.82					0.008	1
2826.861	3	35364.52					0.008	1
2827.149	12	35360.92	19535_5 – $54895°_6$	–0.03			0.008	1
2827.286	18	35359.21	15069_5 – $50429°_6$	–0.04			0.008	1
2827.651	4	35354.64					0.008	1
2828.117	3	35348.82	20983_2 – $56332°_3$	–0.16			0.008	1
2828.796	15	35340.34	15460_3 – $50800°_3$	–0.09			0.008	1
2828.958	5	35338.32					0.008	1
2829.158	3	35335.82					0.008	1
2829.668	2	35329.45	17107_4 – $52436°_4$	0.02			0.008	1
2829.821	50	35327.54	14976_2 – $50303°_3$	–0.06			0.008	1
			13348_3 – $48676°_4$	0.02				1
2829.898	8	35326.58	22852_4 – $58179°_5$	0.00			0.008	1
2830.286	30	35321.73	12161_4 – $47483°_3$	0.01			0.008	1

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
2831.379	250*r*	35308.10	$2951_3 - 38259°_4$	–0.01	4.9e+7	B	0.008	1w, 8t
2831.828	6	35302.50	$17701_3 - 53003°_2$	–0.04			0.008	1
2832.073	1	35299.44	$28233_5 - 63532°_6$	0.10			0.008	1
2832.322	10	35296.34	$13307_1 - 48603°_0$	0.00			0.008	1
2832.478	30	35294.40	$13777_2 - 49072°_3$	–0.03			0.008	1
2832.710	5	35291.50	$17701_3 - 52992°_4$	–0.01			0.008	1
2832.954	20	35288.47	$17107_4 - 52395°_5$	–0.02			0.008	1
2833.630	120*r*	35280.05	$6219_4 - 41499°_3$	–0.05	4.8e+7	B	0.008	1w, 8t
2834.155	15	35273.51	$18116_2 - 53390°_3$	–0.07			0.008	1
2834.495	6	35269.28					0.008	1
2835.334	8	35258.85	$15460_3 - 50718°_2$	–0.04			0.008	1
2835.544	5	35256.24	$19827_3 - 55084°_2$	–0.10			0.008	1
2835.638	60	35255.07	$2951_3 - 38206°_3$	–0.02			0.008	1
2836.057	3	35249.86					0.008	1
2836.254	30	35247.41	$19648_6 - 54895°_6$	–0.01			0.008	1
2836.426	3	35245.27					0.008	1
2836.663	3	35242.33	$17701_3 - 52943°_3$	0.03			0.008	1
2836.718	1	35241.64	$23930_3 - 59171°_4$	0.01			0.008	1
2837.345	60	35233.86	$1670_1 - 36904°_2$	–0.01	6.0e+6	B	0.008	1w, 8t
2837.768	40	35228.60	$18116_2 - 53345°_3$	–0.08			0.008	1
2838.682	20	35217.26	$19826_5 - 55043°_4$	–0.04			0.008	1
2838.819	10	35215.56	$19827_3 - 55043°_4$	–0.10			0.008	1
2838.894	20	35214.63	$15069_5 - 50284°_4$	–0.08			0.008	1
2839.120	5	35211.83					0.008	1
2839.340	50	35209.10	$9528_0 - 44737°_1$	–0.05			0.008	1
2840.104	15	35199.63	$12161_4 - 47361°_3$	–0.15			0.008	1
2840.222	15	35198.17	$12161_4 - 47360°_4$	–0.06			0.008	1
2840.738	10	35191.78	$20427_1 - 55619°_2$	–0.04			0.008	1
2841.128	8	35186.95					0.008	1
2841.345	5	35184.26	$17701_3 - 52885°_2$	–0.06			0.008	1
2841.570	80*r*	35181.47	$4830_3 - 40011°_2$	–0.03	1.73e+7	B	0.008	1w, 8t
2841.752	4	35179.22					0.008	1
2841.843	2	35178.10					0.008	1
2842.566	25	35169.15	$16431_4 - 51600°_3$	–0.06			0.008	1
2842.818	12	35166.03	$19253_2 - 54419°_1$	–0.08			0.008	1
2843.780	30	35154.13					0.008	1
2844.220	2	35148.70	$17107_4 - 52255°_3$	–0.09			0.008	1
2844.578	5	35144.27	$18974_3 - 54118°_4$	0.00			0.008	1
			$18082_1 - 53227°_1$	0.07				1
2844.711	4	35142.63	$22476_4 - 57619°_3$	–0.05			0.008	1

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
2844.922	50	35140.02	28392_6 – $63532°_6$	–0.06			0.008	1
2845.392	6	35134.22					0.008	1
2846.446	10	35121.21	19253_2 – $54374°_1$	–0.03			0.008	1
2847.366	25	35109.86	18280_2 – $53390°_3$	–0.08			0.008	1
2847.736	5	35105.30	17701_3 – $52806°_3$	–0.08			0.008	1
2847.832	20	35104.12					0.008	1
2848.022	180*r*	35101.78	2951_3 – $38053°_3$	0.02			0.008	1
2849.333	8	35085.63	19826_5 – $54911°_4$	0.06			0.008	1
2849.395	8	35084.86	19648_6 – $54733°_6$	0.02			0.008	1
2849.468	10	35083.97	19827_3 – $54911°_4$	0.04			0.008	1
2849.560	12	35082.83	13307_1 – $48389°_1$	–0.03			0.008	1
2849.961	6	35077.90	23484_6 – $58562°_5$	0.00			0.008	1
2850.399	15	35072.51	17008_6 – $52081°_5$	–0.08			0.008	1
2850.610	3	35069.91	19826_5 – $54895°_6$	–0.01			0.008	1
2850.808	35	35067.48	15069_5 – $50137°_5$	–0.14			0.008	1
2851.009	5	35065.00	18280_2 – $53345°_3$	–0.04			0.008	1
2851.456	3	35059.51					0.008	1
2851.901	18	35054.04	19256_4 – $54310°_5$	–0.02			0.008	1
2852.250	6	35049.74	2951_3 – $38001°_4$	–0.09			0.008	1
2852.914	15	35041.59	16431_4 – $51473°_4$	–0.14			0.008	1
2853.023	3	35040.25					0.008	1
2853.143	8	35038.78					0.008	1
2853.502	50	35034.37	15460_3 – $50494°_2$	–0.16			0.008	1
2853.841	30	35030.20	3325_2 – $38355°_1$	–0.11			0.008	1
2854.998	8	35016.02	19253_2 – $54269°_3$	–0.19			0.008	1
2855.354	25	35011.65	13307_1 – $48318°_2$	–0.09			0.008	1
2855.470	8	35010.22	13777_2 – $48788°_1$	–0.13			0.008	1
2856.030	150*r*	35003.36	1670_1 – $36673°_2$	–0.05			0.008	1
2856.202	10	35001.25					0.008	1
2856.720	6	34994.90	22476_4 – $57471°_4$	–0.22			0.008	1
2857.145	50	34989.70	14976_2 – $49966°_3$	–0.15			0.008	1
2857.549	4	34984.76	18974_3 – $53959°_2$	–0.01			0.008	1
2858.042	60	34978.72	6219_4 – $41198°_4$	–0.09			0.008	1
2858.430	25	34973.97	17107_4 – $52081°_5$	–0.11			0.008	1
2858.742	30	34970.16	17008_6 – $51978°_6$	–0.02			0.008	1
2859.647	8	34959.08	18082_1 – $53042°_1$	–0.09			0.008	1
2859.780	10	34957.46	13307_1 – $48264°_0$	–0.06			0.008	1
2859.870	10	34956.36	20427_1 – $55384°_1$	–0.18			0.008	1
2860.170	12	34952.69	17107_4 – $52059°_4$	–0.08			0.008	1
2860.316	1	34950.90	22852_4 – $57803°_4$	0.04			0.008	1

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
2860.668	10	34946.60	$18280_2 - 53227°_1$	0.05			0.008	1
2860.736	7	34945.78					0.008	1
2861.149	2	34940.74	$27213_4 - 62154°_5$	0.06			0.008	1
2861.443	12	34937.15	$13307_1 - 48244°_2$	–0.04			0.008	1
2862.432	10	34925.08	$18116_2 - 53042°_1$	–0.08			0.008	1
2862.781	8	34920.82	$18082_1 - 53003°_2$	–0.07			0.008	1
2863.012	50	34918.00	$1670_1 - 36588°_0$	–0.03			0.008	1
2863.892	35	34907.27	$19826_5 - 54733°_6$	–0.07			0.008	1
2864.858	3	34895.51	$13348_3 - 48244°_2$	–0.22			0.008	1
2865.318	10	34889.90	$4830_3 - 39719°_4$	–0.06			0.008	1
2865.568	12	34886.86	$18116_2 - 53003°_2$	–0.02			0.008	1
2866.062	200*r*	34880.84	$3325_2 - 38206°_3$	–0.01			0.008	1
2866.387	25	34876.89	$4830_3 - 39707°_2$	–0.13			0.008	1
2866.600	4	34874.30	$18974_3 - 53848°_4$	0.18			0.008	1
2867.564	20	34862.58	$19256_4 - 54118°_4$	0.04			0.008	1
2867.814	3	34859.54	$16431_4 - 51290°_5$	0.12			0.008	1
2868.436	3	34851.98	$20983_2 - 55835°_2$	–0.12			0.008	1
2868.796	8	34847.61	$23930_3 - 58777°_4$	–0.11			0.008	1
2869.117	50	34843.71	$15460_3 - 50303°_3$	–0.06			0.008	1
2869.552	4	34838.42	$22476_4 - 57315°_4$	–0.15			0.008	1
2869.625	10	34837.54	$27849_5 - 62687°_6$	–0.16			0.008	1
2869.826	6	34835.10	$23455_1 - 58290°_1$	–0.06			0.008	1
2870.416	5	34827.94					0.008	1
2870.528	6	34826.58	$18116_2 - 52943°_3$	–0.06			0.008	1
2870.630	4	34825.34	$9528_0 - 44353°_1$	–0.06			0.008	1
2870.690	3	34824.62	$15460_3 - 50284°_4$	–0.01			0.008	1
2870.786	2	34823.45					0.008	1
2870.855	4	34822.61					0.008	1
2870.906	18	34822.00	$13348_3 - 48170°_3$	0.01			0.008	1
2871.363	30	34816.45	$4830_3 - 39646°_3$	0.04	6.3e+6	B	0.008	1w, 8t
2872.505	12	34802.60	$18082_1 - 52885°_2$	–0.07			0.008	1
2873.40	7	34791.77					0.008	1
2873.643	2	34788.83	$24610_3 - 59399°_3$	–0.03			0.008	1
2874.418	6	34779.44					0.008	1
2874.762	1	34775.29	$19535_5 - 54310°_5$	0.00			0.008	1
2874.845	3	34774.28					0.008	1
2875.208	30	34769.89	$12161_4 - 46931°_4$	0.01	1.20e+7	B	0.008	1w, 8t
2875.314	5	34768.61	$18116_2 - 52885°_2$	–0.05			0.008	1
2875.474	10	34766.68	$20174_0 - 54941°_1$	–0.13			0.008	1
			$22852_4 - 57619°_3$	0.12				1n

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
2875.906	2	34761.46	18280_2 – $53042°_1$	–0.06			0.008	1
2876.934	20	34749.01	17107_4 – $51856°_4$	–0.08			0.008	1
2878.083	10	34735.16	17701_3 – $52436°_4$	–0.10			0.008	1
2878.721	50	34727.47	3325_2 – $38053°_3$	–0.05			0.008	1
2878.882	1	34725.53	23930_3 – $58655°_2$	–0.11			0.008	1
2879.112	150*r*	34722.75	2951_3 – $37674°_3$	–0.04			0.008	1
2879.396	140*r*	34719.33	0_0 – $34719°_1$	0.00	2.46e+7	B	0.008	1w, 8t
2880.349	2	34707.84	22852_4 – $57560°_5$	–0.19			0.008	1
2880.521	3	34705.77	19253_2 – $53959°_2$	0.05			0.008	1
2880.634	25	34704.40	6219_4 – $40923°_3$	–0.10			0.008	1
2881.080	4	34699.03					0.008	1
2881.438	4	34694.72	18974_3 – $53669°_2$	–0.13			0.008	1
			23484_6 – $58179°_5$	0.12				1
2881.606	80	34692.70	12161_4 – $46854°_5$	–0.14			0.008	1
			6219_4 – $40911°_5$	0.05				1
2881.847	2	34689.80	18116_2 – $52806°_3$	0.08			0.008	1
2882.196	10	34685.60					0.008	1
2883.152	3	34674.10	27849_5 – $62524°_6$	–0.12			0.008	1
2883.247	6	34672.95	23982_2 – $58655°_2$	0.03			0.008	1
2883.367	3	34671.50					0.008	1
2883.569	10	34669.08					0.008	1
2884.084	3	34662.89	18280_2 – $52943°_3$	–0.11			0.008	1
2884.180	25	34661.74	19648_6 – $54310°_5$	–0.02			0.008	1
2884.233	2	34661.10	23982_2 – $58644°_3$	–0.20			0.008	1
2884.412	4	34658.96	19253_2 – $53912°_2$	–0.03			0.008	1
2884.641	15	34656.20	20427_1 – $55084°_2$	0.02			0.008	1
2884.888	4	34653.24					0.008	1
2885.058	5	34651.20					0.008	1
2885.921	12	34640.83	16431_4 – $51072°_3$	–0.04			0.008	1
2886.280	2	34636.52	20983_2 – $55619°_2$	–0.12			0.008	1
2886.645	6	34632.14	24789_2 – $59422°_2$	–0.20			0.008	1
2887.518	4	34621.67	19253_2 – $53875°_1$	–0.03			0.008	1
2887.662	20	34619.94	13348_3 – $47968°_4$	–0.12			0.008	1
2887.743	2	34618.97	22852_4 – $57471°_4$	–0.03			0.008	1
2888.318	15	34612.08	13777_2 – $48389°_1$	–0.17			0.008	1
2888.788	6	34606.45	19256_4 – $53862°_5$	–0.03			0.008	1
2888.924	4	34604.82	20427_1 – $55032°_2$	–0.01			0.008	1
2889.968	25	34592.32	19256_4 – $53848°_4$	–0.07			0.008	1
2890.314	5*w*	34588.18					0.008	1
2890.687	3	34583.72	19535_5 – $54118°_4$	–0.05			0.008	1

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
2891.76	3	34570.88	$18082_1 - 52653°_2$	0.13			0.008	1
2892.120	8	34566.58	$15069_5 - 49636°_4$	–0.01			0.008	1
2892.413	7	34563.08	$20983_2 - 55546°_3$	0.04			0.008	1
2892.608	12	34560.75	$24610_3 - 59171°_4$	–0.08			0.008	1
2893.124	25	34554.59	$17701_3 - 52255°_3$	–0.03			0.008	1
2893.616	20	34548.72	$13777_2 - 48326°_3$	0.02			0.008	1
2894.257	20	34541.06	$13777_2 - 48318°_2$	–0.07			0.008	1
			$14976_2 - 49517°_2$	–0.02				1
2894.500	10	34538.16	$14976_2 - 49514°_3$	0.00			0.008	1
2894.624	15	34536.68	$18116_2 - 52653°_2$	–0.06			0.008	1
2895.143	3	34530.49					0.008	1
2895.525	1	34525.94	$18280_2 - 52806°_3$	–0.14			0.008	1
2896.009	150*r*	34520.16	$1670_1 - 36190°_1$	–0.04	2.80e+7	B	0.008	1w, 8t
2896.442	400*r*	34515.00	$2951_3 - 37466°_2$	–0.01	1.3e+8	D	0.008	1w, 9t
2896.918	6	34509.32					0.008	1
2897.062	1	34507.62					0.008	1
2897.202	15	34505.95	$15460_3 - 49966°_3$	–0.07			0.008	1
2897.726	2	34499.70	$22852_4 - 57352°_3$	0.18			0.008	1
2898.248	20	34493.50	$17107_4 - 51600°_3$	–0.01			0.008	1
2899.029	1	34484.20	$19826_5 - 54310°_5$	–0.06			0.008	1
2899.193	3	34482.26					0.008	1
2899.723	8	34475.96					0.008	1
2900.442	15	34467.40	$14976_2 - 49443°_1$	–0.12			0.008	1
2900.518	25	34466.51	$13777_2 - 48244°_2$	–0.07			0.008	1
2900.812	15	34463.01	$12161_4 - 46625°_4$	–0.08			0.008	1
2900.866	8	34462.36	$22852_4 - 57315°_4$	–0.09			0.008	1
2901.789	35	34451.40	$17701_3 - 52152°_2$	–0.04			0.008	1
2902.040	15	34448.43	$3325_2 - 37773°_1$	0.00			0.008	1
2902.201	30	34446.52	$6219_4 - 40665°_3$	0.00			0.008	1
2902.429	5	34443.82					0.008	1
2902.602	12	34441.76	$14976_2 - 49417°_3$	0.04			0.008	1
2903.230	4	34434.31	$23484_6 - 57919°_6$	–0.08			0.008	1
2904.788	40	34415.84	$18974_3 - 53390°_3$	–0.07			0.008	1
			$19253_2 - 53669°_2$	0.04				1
2905.182	35	34411.18					0.008	1
2905.545	2	34406.88	$20983_2 - 55390°_2$	–0.26			0.008	1
2905.602	8	34406.20	$20983_2 - 55389°_3$	–0.08			0.008	1
2906.022	2	34401.23	$20983_2 - 55384°_1$	–0.13			0.008	1
2906.134	3	34399.90	$23930_3 - 58330°_4$	–0.15			0.008	1
2906.576	20	34394.68	$18082_1 - 52477°_1$	–0.06			0.008	1

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
2906.734	15	34392.81	13777_2 – $48170°_3$	–0.03			0.008	1
2907.260	35	34386.58	18116_2 – $52503°_2$	0.01			0.008	1
2907.660	8	34381.85					0.008	1
2907.848	6	34379.63					0.008	1
2908.266	20	34374.69	16431_4 – $50806°_5$	–0.07			0.008	1
2908.403	30	34373.07	18280_2 – $52653°_2$	–0.03			0.008	1
2909.120	50	34364.59	9528_0 – $43892°_1$	0.03	2.4e+7	C	0.008	1w, 8t
2909.188	5	34363.79	6219_4 – $40583°_4$	0.05			0.008	1
2909.274	5	34362.77	17701_3 – $52064°_2$	–0.13			0.008	1
2909.460	6	34360.58	18116_2 – $52477°_1$	–0.15			0.008	1
2909.633	10	34358.53	17701_3 – $52059°_4$	–0.07			0.008	1
2909.930	3	34355.03	22476_4 – $56831°_4$	0.04			0.008	1
2910.483	100	34348.50	3325_2 – $37674°_3$	–0.05			0.008	1
2910.607	3	34347.04					0.008	1
2910.834	6	34344.36	12161_4 – $46506°_5$	–0.05			0.008	1
2910.997	100	34342.43	0_0 – $34342°_1$	–0.01	7.2e+6	B	0.008	1w, 8t
2911.142	10	34340.73	13348_3 – $47689°_4$	–0.04			0.008	1
2912.034	3	34330.20					0.008	1
2912.187	4	34328.40	15460_3 – $49788°_4$	–0.17			0.008	1
2912.251	10	34327.66	19535_5 – $53862°_5$	–0.05			0.008	1
2912.756	15	34321.70	27213_4 – $61535°_4$	0.02			0.008	1
2913.412	3	34313.96	17701_3 – $52015°_3$	–0.14			0.008	1
2913.973	7	34307.37	23982_2 – $58290°_1$	–0.01			0.008	1
2914.204	6	34304.65	27849_5 – $62154°_5$	–0.05			0.008	1
2915.040	10	34294.81	28392_6 – $62687°_6$	0.01			0.008	1
2915.118	12	34293.89	14976_2 – $49270°_2$	–0.09			0.008	1
2915.210	5	34292.81	19826_5 – $54118°_4$	0.07			0.008	1
2915.356	5	34291.10	19827_3 – $54118°_4$	0.00			0.008	1
2915.395	1	34290.64	22852_4 – $57143°_5$	–0.04			0.008	1
2915.587	50	34288.38	17008_6 – $51296°_7$	–0.04			0.008	1
2916.108	15	34282.25	17008_6 – $51290°_5$	0.02			0.008	1
2916.388	7	34278.96	22852_4 – $57131°_3$	–0.02			0.008	1
2917.295	20	34268.30					0.008	1
2917.668	20	34263.92	18974_3 – $53238°_4$	0.02			0.008	1
2917.768	10	34262.74	27213_4 – $61476°_5$	–0.04			0.008	1
2918.254	100	34257.03	6219_4 – $40476°_5$	–0.06			0.008	1
2918.419	4	34255.10					0.008	1
2919.288	30	34244.90	13348_3 – $47593°_3$	0.02			0.008	1
2919.685	6	34240.25	22476_4 – $56717°_3$	–0.20			0.008	1
2919.749	6	34239.50	15460_3 – $49699°_2$	–0.05			0.008	1

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
2919.849	3	34238.33	24610_3 – $58848°_4$	0.31			0.008	1
2920.381	4	34232.09					0.008	1
2921.13	20	34223.34	12161_4 – $46385°_3$	–0.16			0.008	1
			23982_2 – $58206°_3$	0.14				1
2921.17	20	34222.87	18280_2 – $52503°_2$	–0.06			0.008	1
2921.633	4	34217.43	23484_6 – $57702°_6$	–0.09			0.008	1
2921.908	10	34214.21	19648_6 – $53862°_5$	0.03			0.008	1
2923.103	150	34200.23	4830_3 – $39030°_2$	–0.02	7.7e+6	B	0.008	1w, 8t
2923.382	5	34196.95	18280_2 – $52477°_1$	–0.14			0.008	1
2923.539	60	34195.12	2951_3 – $37146°_4$	0.05	1.54e+6	C	0.008	1w, 7t
2924.038	4	34189.28					0.008	1
2924.515	2	34183.70	17107_4 – $51290°_5$	–0.02			0.008	1
2924.664	3	34181.96					0.008	1
2925.134	40	34176.47	15460_3 – $49636°_4$	–0.04			0.008	1
2925.205	10	34175.64	14976_2 – $49151°_2$	–0.12			0.008	1
2925.963	4	34166.79	24610_3 – $58777°_4$	–0.13			0.008	1
2926.436	8	34161.27	23930_3 – $58091°_3$	–0.23			0.008	1
2926.662	3	34158.62					0.008	1
2926.990	40	34154.80	17701_3 – $51856°_4$	–0.12			0.008	1
2927.378	3	34150.27	18082_1 – $52233°_0$	0.00			0.008	1
2927.538	10	34148.40					0.008	1
2927.812	3	34145.20					0.008	1
2927.932	20	34143.80	18974_3 – $53118°_4$	0.02			0.008	1
2928.194	50	34140.75	3325_2 – $37466°_2$	–0.02			0.008	1
2928.348	2	34138.95	18116_2 – $52255°_3$	–0.01			0.008	1
2928.536	5	34136.76	19253_2 – $53390°_3$	–0.10			0.008	1
2928.662	30	34135.29	13307_1 – $47442°_2$	–0.14			0.008	1
			13348_3 – $47483°_3$	0.17				1
2928.762	2	34134.13	19256_4 – $53390°_3$	–0.05			0.008	1
2928.986	20	34131.52	19827_3 – $53959°_2$	–0.08			0.008	1
2930.154	40	34117.91	15069_5 – $49187°_5$	–0.08			0.008	1
2930.931	3	34108.86	23982_2 – $58091°_3$	0.08			0.008	1
2932.044	12	34095.92	14976_2 – $49072°_3$	–0.04			0.008	1
2932.215	10	34093.93	13348_3 – $47442°_2$	–0.04			0.008	1
2932.669	6	34088.65					0.008	1
2932.994	8	34084.87	19827_3 – $53912°_2$	0.00			0.008	1
2933.592	2	34077.93	15069_5 – $49147°_4$	–0.09			0.008	1
2933.769	2	34075.88	23484_6 – $57560°_5$	–0.17			0.008	1
2934.129	7	34071.70	29460_7 – $63532°_6$	–0.10			0.008	1
2934.297	2	34069.75	18082_1 – $52152°_2$	–0.04			0.008	1

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
2934.996	250*r*	34061.63	1670_1 – $35731°_2$	–0.04	1.5e+7	C	0.008	1w, 7t
2935.358	8	34057.43	15460_3 – $49517°_2$	0.18			0.008	1
2935.629	30	34054.29	15460_3 – $49514°_3$	–0.04			0.008	1
2936.009	50	34049.88	6219_4 – $40269°_3$	–0.14			0.008	1
			20983_2 – $55032°_2$	0.23				1
2936.468	4	34044.56					0.008	1
2936.66	40	34042.34	13777_2 – $47819°_1$	0.11			0.008	1
2937.142	60	34036.75	19826_5 – $53862°_5$	0.07			0.008	1
2937.20	8	34036.08	18116_2 – $52152°_2$	0.30			0.008	1
2937.464	2	34033.01	24610_3 – $58644°_3$	–0.21			0.008	1
2937.606	10	34031.37	19253_2 – $53284°_2$	0.01			0.008	1
2937.677	8	34030.55	13307_1 – $47337°_2$	–0.14			0.008	1
2937.774	2	34029.42	18974_3 – $53003°_2$	0.21			0.008	1
2938.104	2	34025.60	22476_4 – $56502°_4$	0.18			0.008	1
2938.364	3	34022.59	19826_5 – $53848°_4$	0.00			0.008	1
2938.506	20	34020.95	19827_3 – $53848°_4$	0.00			0.008	1
2938.746	6	34018.17	18974_3 – $52992°_4$	–0.01			0.008	1
2939.047	30*r*	34014.68	6219_4 – $40233°_4$	0.04	4.9e+6	B	0.008	1w, 8t
2939.180	15	34013.15	13348_3 – $47361°_3$	–0.03			0.008	1
2939.318	6	34011.55	13348_3 – $47360°_4$	–0.08			0.008	1
2939.54	4*w*	34008.98					0.008	1
2940.954	12	33992.63	17701_3 – $51693°_2$	–0.04			0.008	1
2941.023	3	33991.83	20427_1 – $54419°_1$	0.00			0.008	1
2941.246	30	33989.26	13348_3 – $47337°_2$	0.03			0.008	1
2941.665	4	33984.42	24610_3 – $58595°_2$	–0.12			0.008	1
2941.854	1	33982.23	19256_4 – $53238°_4$	0.06			0.008	1
2941.938	1	33981.26	18082_1 – $52064°_2$	0.01			0.008	1
2942.128	12	33979.07	22852_4 – $56831°_4$	0.20			0.008	1
2942.452	25	33975.33	18280_2 – $52255°_3$	0.01			0.008	1
2942.618	3	33973.41	19253_2 – $53227°_1$	–0.06			0.008	1
2943.006	4	33968.93	18974_3 – $52943°_3$	–0.04			0.008	1
2943.326	20	33965.24	17107_4 – $51072°_3$	0.07			0.008	1
2943.966	12	33957.85	15460_3 – $49417°_3$	–0.04			0.008	1
2944.398	300*r*	33952.87	2951_3 – $36904°_2$	0.00	1.08e+8	B	0.008	1w, 8t
2944.784	1	33948.42	13307_1 – $47255°_1$	–0.03			0.008	1
2944.916	7	33946.90	20427_1 – $54374°_1$	–0.06			0.008	1
2945.064	3	33945.20					0.008	1
2945.224	6	33943.35	17008_6 – $50951°_6$	–0.01			0.008	1
2945.691	8	33937.97	19256_4 – $53194°_5$	–0.04			0.008	1
2946.344	8	33930.45					0.008	1

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
2946.522	20	33928.40					0.008	1
2946.782	5	33925.41					0.008	1
2946.989	300*r*	33923.02	2951_3 – $36874°_3$	–0.05	8.2e+7	B	0.008	1w, 8t
2947.388	150*r*	33918.43	4830_3 – $38748°_4$	–0.01			0.008	1
2948.470	5	33905.98	12161_4 – $46068°_3$	–0.08			0.008	1
2948.660	6	33903.80					0.008	1
2948.921	5	33900.80					0.008	1
2949.122	15	33898.49	18116_2 – $52015°_3$	0.05			0.008	1
2950.703	15*w*	33880.33					0.008	1
2951.076	5	33876.04	20983_2 – $54859°_2$	–0.09			0.008	1
2951.226	4	33874.32					0.008	1
2951.416	10	33872.14	18280_2 – $52152°_2$	0.00			0.008	1
2951.795	20	33867.79	20427_1 – $54295°_0$	–0.01			0.008	1
2951.950	1	33866.01	24789_2 – $58655°_2$	–0.05			0.008	1
2952.091	1	33864.40	22852_4 – $56717°_3$	0.07			0.008	1
2952.262	75	33862.44	19256_4 – $53118°_4$	0.39			0.008	1
2952.880	5	33855.35	22476_4 – $56332°_3$	0.03			0.008	1
2952.974	4	33854.27	24789_2 – $58644°_3$	–0.17			0.008	1
2953.788	4	33844.93					0.008	1
2954.070	4	33841.71	19827_3 – $53669°_2$	0.03			0.008	1
2954.262	4	33839.51					0.008	1
2954.904	35	33832.16	18974_3 – $52806°_3$	0.11			0.008	1
2955.910	6	33820.65					0.008	1
2956.076	4	33818.75					0.008	1
2956.338	2	33815.76	13777_2 – $47593°_3$	0.03			0.008	1
2956.67	20	33811.96	14976_2 – $48788°_1$	0.08			0.008	1
2956.822	12	33810.22	15460_3 – $49270°_2$	0.07			0.008	1
2957.501	25	33802.45	17107_4 – $50909°_4$	–0.01			0.008	1
2957.927	20	33797.58	17008_6 – $50806°_5$	0.01			0.008	1
2958.73	12	33788.41	19253_2 – $53042°_1$	–0.03			0.008	1
2958.846	10	33787.09	17107_4 – $50894°_3$	–0.02			0.008	1
2959.40	3	33780.76					0.008	1
2959.564	6	33778.89	22476_4 – $56255°_4$	–0.08			0.008	1
2959.741	3	33776.87					0.008	1
2960.146	60	33772.25	13307_1 – $47079°_2$	–0.05			0.008	1
2961.712	15	33754.39	16431_4 – $50185°_3$	0.00			0.008	1
2962.122	2	33749.72	23982_2 – $57732°_3$	0.06			0.008	1
2962.206	3	33748.76					0.008	1
2962.613	3	33744.13					0.008	1
2963.284	2	33736.49	19256_4 – $52992°_4$	0.04			0.008	1

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
2963.432	8	33734.80	18280_2 – $52015°_3$	0.00			0.008	1
2963.620	3	33732.66					0.008	1
2963.782	10	33730.82	13348_3 – $47079°_2$	–0.02			0.008	1
2964.520	150	33722.42	2951_3 – $36673°_2$	0.01			0.008	1
2965.860	12	33707.19	12161_4 – $45869°_4$	0.05			0.008	1
2965.981	12	33705.81	13777_2 – $47483°_3$	–0.16			0.008	1
			24610_3 – $58316°_4$	0.23				1
2966.197	4	33703.36	19535_5 – $53238°_4$	–0.04			0.008	1
2966.417	4	33700.86	20174_0 – $53875°_1$	–0.20			0.008	1
2966.575	35	33699.07	17107_4 – $50806°_5$	0.01			0.008	1
2966.679	5	33697.88	22476_4 – $56174°_4$	–0.07			0.008	1
			24789_2 – $58487°_3$	0.02				1
2967.073	40	33693.41	17107_4 – $50800°_3$	–0.02			0.008	1
			19535_5 – $53228°_6$	0.00				1
2967.438	8c	33689.27	23930_3 – $57619°_3$	–0.01			0.008	1
			9528_0 – $43217°_1$	0.00				1
2967.554	35	33687.95	15460_3 – $49147°_4$	0.01			0.008	1
2968.206	10	33680.55	18082_1 – $51763°_1$	–0.06			0.008	1
2968.358	6	33678.82	18974_3 – $52653°_2$	–0.25			0.008	1
2968.788	10	33673.95					0.008	1
2969.618	60c	33664.53	13777_2 – $47442°_2$	–0.29			0.008	1
			23484_6 – $57148°_6$	0.33				1
2970.191	3	33658.04					0.008	1
2970.977	5	33649.14	22852_4 – $56502°_4$	–0.16			0.008	1
2971.203	10	33646.57	18116_2 – $51763°_1$	–0.03			0.008	1
2971.482	3	33643.42					0.008	1
2971.675	40	33641.23	1670_1 – $35311°_2$	–0.04			0.008	1
2972.498	25	33631.92	19253_2 – $52885°_2$	–0.02			0.008	1
2972.922	50	33627.17	12161_4 – $45789°_5$	–0.01			0.008	1
2973.546	3	33620.07					0.008	1
2973.792	3	33617.29					0.008	1
2974.019	25	33614.72	15069_5 – $48684°_6$	–0.03			0.008	1
2974.261	6	33611.99	15460_3 – $49072°_3$	–0.14			0.008	1
2975.748	5	33595.19	24610_3 – $58206°_3$	0.07			0.008	1
2976.074	6	33591.51					0.008	1
2976.802	40	33583.30	19535_5 – $53118°_4$	0.02			0.008	1
			13348_3 – $46931°_4$	0.02				1
2977.106	60	33579.87	19648_6 – $53228°_6$	–0.01			0.008	1
2977.214	30	33578.65	3325_2 – $36904°_2$	0.02			0.008	1
2977.682	10	33573.37	20983_2 – $54556°_3$	–0.04			0.008	1

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
2978.624	10	33562.76	19827_3 – $53390°_3$	0.02			0.008	1
2978.868	4	33560.01	13777_2 – $47337°_2$	–0.07			0.008	1
2979.496	5	33552.93	19253_2 – $52806°_3$	–0.07			0.008	1
2979.714	30	33550.47	19256_4 – $52806°_3$	0.15			0.008	1
2979.860	70*r*	33548.83	3325_2 – $36874°_3$	0.00			0.008	1
2980.138	6	33545.70	19648_6 – $53194°_5$	–0.01			0.008	1
2980.283	2	33544.07	23455_1 – $56999°_2$	–0.21			0.008	1
2981.129	10	33534.55	16431_4 – $49966°_3$	–0.17			0.008	1
2981.407	5	33531.42	20427_1 – $53959°_2$	–0.02			0.008	1
2981.631	15	33528.90	18974_3 – $52503°_2$	0.00			0.008	1
2981.762	3	33527.43	27213_4 – $60741°_5$	–0.15			0.008	1
2982.606	40	33517.94	19256_4 – $52774°_5$	0.08			0.008	1
2982.810	10	33515.65	12161_4 – $45677°_3$	–0.08			0.008	1
2984.140	40	33500.71	6219_4 – $39719°_4$	0.08	1.47e+6	B	0.008	1w, 8t
2984.264	3	33499.32	13307_1 – $46806°_2$	–0.03			0.008	1
2985.254	2	33488.21					0.008	1
2985.668	12	33483.57	18116_2 – $51600°_3$	–0.11			0.008	1
2985.884	12	33481.15	17701_3 – $51182°_2$	–0.05			0.008	1
2986.185	12	33477.78	13777_2 – $47255°_1$	–0.06			0.008	1
2987.608	5	33461.83	18974_3 – $52436°_4$	–0.10			0.008	1
2987.960	15	33457.89	13348_3 – $46806°_2$	0.00			0.008	1
2988.244	6	33454.71					0.008	1
2988.502	4	33451.82					0.008	1
2988.898	8	33447.39	20427_1 – $53875°_1$	–0.03			0.008	1
2990.506	40	33429.41	4830_3 – $38259°_4$	0.01	3.5e+6	C	0.008	1w, 8t
2990.714	50	33427.08	6219_4 – $39646°_3$	0.00	2.64e+6	B	0.008	1w, 8t
2991.946	10	33413.32	18280_2 – $51693°_2$	–0.05			0.008	1
2992.178	18	33410.73	19827_3 – $53238°_4$	0.00			0.008	1
2992.931	16	33402.32	19826_5 – $53228°_6$	–0.06			0.008	1
2993.157	2	33399.80	19253_2 – $52653°_2$	–0.22			0.008	1
2993.614	125*r*	33394.70	6219_4 – $39614°_5$	–0.02			0.008	1
2993.886	5	33391.67	20983_2 – $54374°_1$	–0.11			0.008	1
2993.995	5	33390.45	22476_4 – $55867°_4$	–0.11			0.008	1
2994.107	5	33389.20	12161_4 – $45551°_3$	–0.16			0.008	1
2995.258	60	33376.37	4830_3 – $38206°_3$	–0.01			0.008	1
2995.514	10	33373.52					0.008	1
2995.748	12	33370.91	17701_3 – $51072°_3$	–0.09			0.008	1
2995.992	15	33368.19	19826_5 – $53194°_5$	–0.02			0.008	1
2996.978	20	33357.22	16431_4 – $49788°_4$	–0.05			0.008	1
2997.616	20	33350.12	14976_2 – $48326°_3$	–0.11			0.008	1

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
2997.793	75	33348.15	3325_2 – $36673°_2$	–0.02			0.008	1
2998.288	10	33342.64	14976_2 – $48318°_2$	–0.02			0.008	1
2999.117	5	33333.43					0.008	1
3000.163	5	33321.81	22852_4 – $56174°_4$	–0.02			0.008	1
3000.242	40	33320.93	19535_5 – $52855°_6$	–0.04			0.008	1
3000.439	30	33318.74	22476_4 – $55795°_5$	–0.06			0.008	1
3000.882	3	33313.82					0.008	1
3001.536	6	33306.57	13307_1 – $46613°_0$	–0.03			0.008	1
3001.625	1	33305.58	23484_6 – $56790°_7$	–0.24			0.008	1
3001.982	60	33301.62	13777_2 – $47079°_2$	–0.07			0.008	1
3002.418	4	33296.78					0.008	1
3002.827	35	33292.24	19826_5 – $53118°_4$	–0.01			0.008	1
3002.981	10	33290.54	19827_3 – $53118°_4$	–0.07			0.008	1
3003.824	5	33281.20	18974_3 – $52255°_3$	–0.09			0.008	1
3004.260	7	33276.37	13348_3 – $46625°_4$	–0.12			0.008	1
3005.010	35	33268.06	14976_2 – $48244°_2$	–0.05			0.008	1
3006.318	50	33253.59					0.008	1
3006.658	20	33249.83	19253_2 – $52503°_2$	–0.02			0.008	1
3007.135	5	33244.55					0.008	1
3007.328	3	33242.42					0.008	1
3007.411	15	33241.50	20427_1 – $53669°_2$	–0.02			0.008	1
3007.637	12	33239.01	19535_5 – $52774°_5$	–0.08			0.008	1
3008.036	12	33234.63					0.008	1
3008.502	4	33229.45					0.008	1
3008.768	40	33226.52	29460_7 – $62687°_6$	0.00			0.008	1
3008.987	5	33224.10	19253_2 – $52477°_1$	0.09			0.008	1
3009.086	80	33223.00	4830_3 – $38053°_3$	–0.05			0.008	1
3009.724	10	33215.96	15460_3 – $48676°_4$	–0.11			0.008	1
3010.418	20	33208.30	17701_3 – $50909°_4$	0.01			0.008	1
3010.495	15	33207.45	19648_6 – $52855°_6$	0.01			0.008	1
3010.693	8	33205.27	16431_4 – $49636°_4$	0.06			0.008	1
3011.682	20	33194.36	14976_2 – $48170°_3$	–0.01			0.008	1
3011.816	3*c*	33192.89	17701_3 – $50894°_3$	–0.05			0.008	1
			24610_3 – $57803°_4$	0.11				1
3013.192	30	33177.73	17107_4 – $50284°_4$	0.10			0.008	1
3013.342	1	33176.05	19827_3 – $53003°_2$	0.01			0.008	1
3013.788	120	33171.17	4830_3 – $38001°_4$	0.05	6.4e+6	B	0.008	1w, 7t
3014.200	6	33166.64	19826_5 – $52992°_4$	–0.01			0.008	1
3014.348	2	33165.01	19827_3 – $52992°_4$	0.00			0.008	1
3016.272	3	33143.85	18116_2 – $51260°_1$	0.01			0.008	1

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
3016.466	150	33141.72	6219_4 – $39361°_5$	0.04	9.27e+6	B	0.008	1w, 7t
3016.685	8	33139.31	19256_4 – $52395°_5$	0.05			0.008	1
3017.077	2	33135.01	22852_4 – $55987°_5$	–0.09			0.008	1
3017.436	200	33131.07	2951_3 – $36082°_4$	0.06	1.21e+7	B	0.008	1w, 7t
3017.617	5	33129.08	17008_6 – $50137°_5$	0.03			0.008	1
3017.936	12	33125.58	19648_6 – $52774°_5$	0.02			0.008	1
3018.304	1	33121.54	24610_3 – $57732°_3$	–0.04			0.008	1
3018.414	3	33120.34	22476_4 – $55596°_4$	0.12			0.008	1
3018.820	3	33115.88	19827_3 – $52943°_3$	0.08			0.008	1
3020.040	5	33102.50	22852_4 – $55955°_4$	–0.06			0.008	1
3020.214	15	33100.59	12161_4 – $45262°_4$	0.00			0.008	1
3020.328	2	33099.35	17701_3 – $50800°_3$	0.09			0.008	1
3021.206	3	33089.73	18974_3 – $52064°_2$	0.16			0.008	1
3021.614	20	33085.26	18974_3 – $52059°_4$	–0.01			0.008	1
3021.734	4	33083.94	28392_6 – $61476°_5$	0.04			0.008	1
3021.823	6	33082.97	16431_4 – $49514°_3$	–0.06			0.008	1
3022.774	2	33072.56	23484_6 – $56557°_7$	0.14			0.008	1
3023.152	12	33068.43	15069_5 – $48138°_5$	–0.02			0.008	1
3023.410	1	33065.60	18116_2 – $51182°_2$	0.06			0.008	1
3023.646	12	33063.03	29460_7 – $62524°_6$	–0.01			0.008	1
3024.124	5	33057.79	19827_3 – $52885°_2$	–0.03			0.008	1
3024.590	1	33052.71	20174_0 – $53227°_1$	–0.12			0.008	1
3024.928	100	33049.01	1670_1 – $34719°_1$	–0.03	1.58e+7	B	0.008	1w, 8t
3025.263	50	33045.36	9528_0 – $42573°_1$	–0.07			0.008	1
3025.590	8	33041.72	23484_6 – $56526°_6$	–0.07			0.008	1
3025.685	6	33040.74	18974_3 – $52015°_3$	–0.03			0.008	1
3026.039	4	33036.88	13348_3 – $46385°_3$	–0.02			0.008	1
3026.672	50	33029.97	19826_5 – $52855°_6$	0.03			0.008	1
3026.788	50	33028.71	13777_2 – $46806°_2$	–0.03			0.008	1
3026.962	10	33026.81					0.008	1
3027.527	6	33020.64	13307_1 – $46327°_2$	–0.01			0.008	1
3027.792	30	33017.75	17701_3 – $50718°_2$	0.03			0.008	1
3027.902	2	33016.56	23982_2 – $56999°_2$	0.06			0.008	1
3028.008	4	33015.40	27213_4 – $60229°_5$	0.04			0.008	1
3028.094	3	33014.46	22852_4 – $55867°_4$	0.02			0.008	1
3028.651	1	33008.39	24610_3 – $57619°_3$	–0.09			0.008	1
3029.217	10	33002.22	19253_2 – $52255°_3$	–0.02			0.008	1
3030.354	12	32989.84					0.008	1
3030.656	6	32986.55	16431_4 – $49417°_3$	–0.04			0.008	1
3030.840	8	32984.55	13307_1 – $46291°_1$	0.02			0.008	1

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
3031.366	25	32978.82	19827_3 – $52806°_3$	–0.06			0.008	1
3031.584	2	32976.45	20983_2 – $53959°_2$	0.19			0.008	1
3033.523	20	32955.38	18116_2 – $51072°_3$	0.04			0.008	1
3033.558	30	32955.00	12161_4 – $45116°_4$	0.19			0.008	1
3034.054	2	32949.61					0.008	1
3034.188	40	32948.16	19826_5 – $52774°_5$	0.10			0.008	1
3034.290	6	32947.05					0.008	1
3034.516	4	32944.59	27213_4 – $60158°_4$	0.09			0.008	1
3035.900	5	32929.58	20983_2 – $53912°_2$	0.05			0.008	1
3037.460	12	32912.67	22476_4 – $55389°_3$	0.05			0.008	1
3038.488	8	32901.53	23930_3 – $56831°_4$	–0.06			0.008	1
			19535_5 – $52436°_4$	0.10				1
3038.708	25	32899.15	19253_2 – $52152°_2$	0.09			0.008	1
3039.312	50	32892.61	$20064°_1$ – 52956_1	–0.01			0.008	1n
3040.333	3	32881.56	18974_3 – $51856°_4$	–0.03			0.008	1
3041.730	25	32866.46	15460_3 – $48326°_3$	0.06			0.008	1
3041.863	80	32865.03	3325_2 – $36190°_1$	0.07			0.008	1
3042.282	4	32860.50	19535_5 – $52395°_5$	0.01			0.008	1
3042.416	15	32859.06	17107_4 – $49966°_3$	0.04			0.008	1
3042.717	2	32855.80					0.008	1
3043.010	12	32852.64	12161_4 – $45014°_3$	0.06			0.008	1
3043.800	150	32844.11	4830_3 – $37674°_3$	0.03			0.008	1
3045.052	2	32830.61					0.008	1
3045.473	2	32826.08	19827_3 – $52653°_2$	0.18			0.008	1
3045.576	15	32824.96	19256_4 – $52081°_5$	0.11			0.008	1
3046.440	120	32815.65	1670_1 – $34485°_2$	0.08	5.8e+6	B	0.008	1w, 7t
3047.556	40	32803.63	19256_4 – $52059°_4$	0.09			0.008	1
3048.120	15	32797.57	13307_1 – $46104°_1$	0.05			0.008	1
3048.502	3	32793.46	17701_3 – $50494°_2$	0.10			0.008	1
3048.657	20	32791.78	18280_2 – $51072°_3$	0.08			0.008	1
3049.000	20	32788.10	28392_6 – $61180°_7$	–0.06			0.008	1
3049.348	10	32784.36	15460_3 – $48244°_2$	0.08			0.008	1
3049.688	120	32780.70	2951_3 – $35731°_2$	0.03	1.7e+7	B	0.008	1w, 7t
3049.992	20	32777.43	18116_2 – $50894°_3$	0.15			0.008	1
3051.452	6	32761.75	19253_2 – $52015°_3$	0.03			0.008	1
3051.838	10	32757.61					0.008	1
3051.925	10	32756.68	16431_4 – $49187°_5$	0.07			0.008	1
3052.816	10	32747.12	19648_6 – $52395°_5$	0.16			0.008	1
3053.354	6	32741.34	24610_3 – $57352°_3$	–0.10			0.008	1
3054.008	50	32734.34	9528_0 – $42262°_1$	0.10			0.008	1

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
3054.376	5	32730.41					0.008	1
3055.134	4	32722.26					0.008	1
3055.384	30	32719.59	13348_3 – $46068°_3$	0.13			0.008	1
3056.218	10	32710.67	15460_3 – $48170°_3$	0.13			0.008	1
3056.787	2	32704.57	24610_3 – $57315°_4$	0.20			0.008	1
3057.773	2	32694.01					0.008	1
3057.836	1	32693.35	22852_4 – $55546°_3$	0.09			0.008	1
3058.104	3	32690.50					0.008	1
3058.488	4	32686.39	20983_2 – $53669°_2$	0.05			0.008	1
3058.733	8	32683.77	18116_2 – $50800°_3$	0.17			0.008	1
3058.932	8	32681.65	17107_4 – $49788°_4$	0.08			0.008	1
3059.474	4	32675.86	19827_3 – $52503°_2$	0.13			0.008	1
3059.818	8	32672.19	1670_1 – $34342°_1$	0.04	1.4e+5	C	0.008	1w, 7t
3059.990	3	32670.35					0.008	1
3060.178	3	32668.34	$19389°_0$ – 52057_1	–0.03			0.008	1
3060.448	5	32665.45					0.008	1
3062.600	20	32642.51	16431_4 – $49073°_5$	–0.06			0.008	1
3062.885	15	32639.47	22852_4 – $55492°_5$	0.05			0.008	1
3063.174	60	32636.39	4830_3 – $37466°_2$	0.09			0.008	1
3063.560	15	32632.28	18974_3 – $51606°_2$	0.01			0.008	1
3064.140	10	32626.10	18974_3 – $51600°_3$	0.09			0.008	1
3064.768	15	32619.41	15069_5 – $47689°_4$	0.01			0.008	1
3064.927	60	32617.72	3325_2 – $35943°_3$	0.08	1.1e+6	C	0.008	1w, 7t
3065.233	4	32614.47	20427_1 – $53042°_1$	0.31			0.008	1
3065.303	5	32613.72	18280_2 – $50894°_3$	0.08			0.008	1
3065.606	8	32610.50	22773_0 – $55384°_1$	–0.10			0.008	1
			19826_5 – $52436°_4$	0.10				1
3065.861	6	32607.78	13777_2 – $46385°_3$	0.03			0.008	1
3066.382	12	32602.25	22852_4 – $55455°_5$	–0.30			0.008	1
			18116_2 – $50718°_2$	0.19				1
3066.602	5	32599.91	19256_4 – $51856°_4$	0.05			0.008	1
3067.722	6	32588.00					0.008	1
3068.146	10	32583.51	17701_3 – $50284°_4$	0.05			0.008	1
3068.256	4	32582.33	23455_1 – $56037°_2$	0.07			0.008	1
3069.460	20	32569.55	19826_5 – $52395°_5$	0.09			0.008	1
3069.720	5	32566.80	22476_4 – $55043°_4$	0.14			0.008	1
3069.887	3	32565.03	27849_5 – $60414°_6$	0.00			0.008	1
3070.910	12	32554.18	23930_3 – $56484°_3$	–0.07			0.008	1
3071.302	5	32550.02	13777_2 – $46327°_2$	–0.02			0.008	1
3071.512	3	32547.80	2951_3 – $35499°_3$	–0.06			0.008	1

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
3071.678	5	32546.03	19535_5 – $52081°_5$	–0.05			0.008	1
3072.578	5	32536.50	22852_4 – $55389°_3$	0.00			0.008	1
3072.956	6	32532.51	22476_4 – $55009°_5$	–0.03			0.008	1
3073.276	120	32529.12	6219_4 – $38748°_4$	0.01			0.008	1
3073.692	20	32524.71	19535_5 – $52059°_4$	–0.06			0.008	1
3074.084	50	32520.56	13348_3 – $45869°_4$	0.02			0.008	1
3074.713	5	32513.91	13777_2 – $46291°_1$	–0.01			0.008	1
3075.218	6	32508.57	15460_3 – $47968°_4$	–0.04			0.008	1
3075.324	5	32507.45	14976_2 – $47483°_3$	–0.05			0.008	1
3076.170	10	32498.51	18974_3 – $51473°_4$	–0.02			0.008	1
3076.852	12	32491.31					0.008	1
3078.717	3	32471.63	15069_5 – $47541°_6$	0.00			0.008	1
3078.838	6	32470.36					0.008	1
3079.032	15	32468.31	$21448°_2$ – 53916_3	0.17			0.008	1
3079.218	30	32466.35	14976_2 – $47442°_2$	0.00			0.008	1
3080.038	6	32457.70	20427_1 – $52885°_2$	0.04			0.008	1
3080.416	25	32453.72	13307_1 – $45760°_1$	0.02			0.008	1
3080.696	20	32450.77	18082_1 – $50533°_1$	0.05			0.008	1
3080.883	5	32448.80					0.008	1
3081.368	12	32443.69	19535_5 – $51978°_6$	0.02			0.008	1
3081.862	30	32438.49	18280_2 – $50718°_2$	0.07			0.008	1
3082.200	6	32434.94	22476_4 – $54911°_4$	0.01			0.008	1
3082.417	1	32432.65	19648_6 – $52081°_5$	0.10			0.008	1
3082.842	5	32428.18	19827_3 – $52255°_3$	0.06			0.008	1
3083.227	1	32424.14	22476_4 – $54900°_3$	–0.08			0.008	1
3083.934	6	32416.71	18116_2 – $50533°_1$	0.00			0.008	1
3084.220	12	32413.70					0.008	1
3084.413	8	32411.67	18082_1 – $50494°_2$	–0.04			0.008	1
3084.826	20	32407.33	17107_4 – $49514°_3$	0.00			0.008	1
3084.910	25	32406.45	3325_2 – $35731°_2$	0.02	1.3e+6	B	0.008	1w, 7t
3085.113	2	32404.31	23455_1 – $55859°_1$	0.01			0.008	1
3085.340	10	32401.93	23930_3 – $56332°_3$	0.01			0.008	1
3086.973	40	32384.79	12161_4 – $44546°_5$	–0.01			0.008	1
3087.180	3	32382.62					0.008	1
3087.640	20	32377.79	18116_2 – $50494°_2$	0.09			0.008	1
3089.055	25	32362.96	23484_6 – $55847°_6$	0.06			0.008	1
3089.180	30	32361.65	14976_2 – $47337°_2$	0.04			0.008	1
3089.308	25	32360.31	2951_3 – $35311°_2$	0.04			0.008	1
3089.424	2	32359.10					0.008	1
3089.974	2	32353.33	19253_2 – $51606°_2$	0.11			0.008	1

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
3090.088	10	32352.14					0.008	1
3090.413	15	32348.75	28392_6 – $60741°_5$	0.05			0.008	1
3090.580	40	32347.00	19253_2 – $51600°_3$	0.04			0.008	1
3090.836	5	32344.31	19256_4 – $51600°_3$	0.03			0.008	1
3091.042	3	32342.17	24789_2 – $57131°_3$	0.05			0.008	1
3092.184	8	32330.21	19648_6 – $51978°_6$	0.07			0.008	1
3092.280	15	32329.21	13348_3 – $45677°_3$	0.08			0.008	1
3092.510	12	32326.81	13777_2 – $46104°_1$	–0.10			0.008	1
3092.676	3	32325.07	19827_3 – $52152°_2$	0.13			0.008	1
3093.084	4	32320.81	19535_5 – $51856°_4$	–0.28			0.008	1
3093.310	10	32318.45					0.008	1
3093.500	100	32316.46	4830_3 – $37146°_4$	0.10	4.4e+6	B	0.008	1w, 7t
3093.62	4	32315.21					0.008	1
3094.026	15	32310.97	17107_4 – $49417°_3$	0.08			0.008	1
3094.05	100	32310.72	23484_6 – $55795°_5$	0.02			0.008	1
3094.25	2	32308.63	27849_5 – $60158°_4$	0.11			0.008	1
3094.757	5	32303.33	20174_0 – $52477°_1$	–0.04			0.008	1
3094.887	6	32301.98	20983_2 – $53284°_2$	0.08			0.008	1
3094.98	2	32301.01	29853_4 – $62154°_5$	0.17			0.008	1
3095.051	4	32300.28					0.008	1
3096.00	15	32290.37	13777_2 – $46068°_3$	0.06			0.008	1
3096.414	10	32286.05	$23047°_3$ – 55333_4	0.24			0.008	1
3096.498	10	32285.17	12161_4 – $44447°_3$	0.11			0.008	1
3096.837	20	32281.65					0.008	1
3097.053	4	32279.40	14976_2 – $47255°_1$	0.03			0.008	1
3097.574	4	32273.97	1670_1 – $33944°_2$	0.20			0.008	1
3098.436	30	32264.98	17701_3 – $49966°_3$	0.13			0.008	1
3099.035	20	32258.75					0.008	1
3101.427	3	32233.87	19826_5 – $52059°_4$	0.13			0.008	1
3101.580	10	32232.27	19827_3 – $52059°_4$	0.17			0.008	1
3101.852	5	32229.45	15460_3 – $47689°_4$	0.13			0.008	1
3102.654	6	32221.12					0.008	1
3103.050	15	32217.01	19256_4 – $51473°_4$	0.21			0.008	1
3103.321	4	32214.20	18280_2 – $50494°_2$	0.14			0.008	1
3103.918	20	32208.00	18974_3 – $51182°_2$	0.13			0.008	1
3104.088	8	32206.23	23484_6 – $55690°_7$	0.19			0.008	1
3104.413	15	32202.87	13348_3 – $45551°_3$	0.11			0.008	1
3105.876	40	32187.70	19827_3 – $52015°_3$	0.10			0.008	1
3106.49	2	32181.36	28233_5 – $60414°_6$	–0.03			0.008	1
3107.227	100	32173.70	3325_2 – $35499°_3$	0.08	2.33e+6	B	0.008	1w, 7t

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
3108.018	100	32165.51	2951_3 – $35116°_4$	0.02	1.58e+6	B	0.008	1w, 7t
3108.128	3	32164.40	23455_1 – $55619°_2$	–0.24			0.008	1
3110.116	4	32143.82	31389_5 – $63532°_6$	0.12			0.008	1
3111.036	4	32134.31					0.008	1
3111.116	30	32133.49	15460_3 – $47593°_3$	0.06			0.008	1
3111.578	3	32128.71					0.008	1
3111.948	20	32124.89	13777_2 – $45902°_2$	0.12			0.008	1
3113.656	5	32107.27	23930_3 – $56037°_2$	0.07			0.008	1
3113.746	5	32106.35	24610_3 – $56717°_3$	0.10			0.008	1
3113.876	8	32105.01	29430_3 – $61535°_4$	0.01			0.008	1n, 3
3114.042	5	32103.29	14976_2 – $47079°_2$	0.07			0.008	1
3114.58	15	32097.75	18974_3 – $51072°_3$	0.08			0.008	1
3115.464	8	32088.64					0.008	1
3115.59	3	32087.34	17701_3 – $49788°_4$	–0.06			0.008	1
3116.21	25	32080.96	17107_4 – $49187°_5$	0.05			0.008	1
3116.333	20	32079.69	22476_4 – $54556°_3$	–0.06			0.008	1
3116.864	25	32074.23	4830_3 – $36904°_2$	0.07			0.008	1
3117.38	15	32068.92	18116_2 – $50185°_3$	0.06			0.008	1
3117.572	120	32066.95	13307_1 – $45374°_1$	0.05			0.008	1
3118.346	20	32058.99	20983_2 – $53042°_1$	0.01			0.008	1
3118.776	8	32054.57	23982_2 – $56037°_2$	0.09			0.008	1
3119.237	5	32049.83	27213_4 – $59263°_5$	0.02			0.008	1
3119.528	4	32046.84					0.008	1
3119.762	50	32044.44	4830_3 – $36874°_3$	0.08			0.008	1
3120.098	15	32040.99	17107_4 – $49147°_4$	0.05			0.008	1
3120.18	60	32040.14	6219_4 – $38259°_4$	0.07	3.9e+6	B	0.008	1w, 8t
3120.718	20	32034.62	19256_4 – $51290°_5$	0.13			0.008	1
3121.146	2	32030.23	19826_5 – $51856°_4$	0.17			0.008	1
3121.794	8	32023.58	15460_3 – $47483°_3$	–0.09			0.008	1
3121.99	5	32021.57					0.008	1
3122.455	4	32016.80					0.008	1
3123.36	5	32007.52	23484_6 – $55492°_5$	0.08			0.008	1
3123.63	5	32004.76	$24763°_4$ – 56768_5	0.09			0.008	1
3124.11	4	31999.84	13307_1 – $45306°_0$	0.05			0.008	1
3124.50	12	31995.84	28233_5 – $60229°_5$	0.10			0.008	1
3124.722	15	31993.57	$20064°_1$ – 52057_1	0.07			0.008	1
3125.063	3	31990.08					0.008	1
3125.348	50	31987.16	6219_4 – $38206°_3$	0.11			0.008	1
3125.46	20	31986.02	3325_2 – $35311°_2$	–0.01			0.008	1
3127.328	60	31966.91	17107_4 – $49073°_5$	0.04			0.008	1

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
3127.498	8	31965.17	17107_4 – $49072°_3$	0.04			0.008	1
3127.946	3	31960.60	20983_2 – $52943°_3$	0.14			0.008	1
3130.152	15	31938.07	19535_5 – $51473°_4$	0.04			0.008	1
3130.452	30	31935.01	18974_3 – $50909°_4$	0.05			0.008	1
3130.994	5	31929.48	23455_1 – $55384°_1$	0.12			0.008	1
3131.047	2	31928.94	19253_2 – $51182°_2$	0.12			0.008	1
3131.183	4	31927.56	24789_2 – $56717°_3$	0.09			0.008	1
3132.51	2	31914.03	13348_3 – $45262°_4$	0.04			0.008	1
3132.593	25	31913.19					0.008	1
3133.37	6	31905.27	18280_2 – $50185°_3$	0.05			0.008	1
3133.633	6	31902.60	20983_2 – $52885°_2$	0.12			0.008	1
3133.716	12	31901.75	15460_3 – $47361°_3$	0.02			0.008	1
3133.884	80	31900.04	13777_2 – $45677°_3$	0.06			0.008	1
3135.028	3	31888.40					0.008	1
3136.07	40	31877.81	15460_3 – $47337°_2$	0.03			0.008	1
3136.18	40	31876.69	23982_2 – $55859°_1$	0.17			0.008	1
3136.584	20	31872.58	$20064°_1$ – 51936_2	0.04			0.008	1
3137.224	4	31866.08	19827_3 – $51693°_2$	–0.09			0.008	1
3137.416	4	31864.13					0.008	1
3137.63	25	31861.96	15069_5 – $46931°_4$	0.05			0.008	1
3137.912	15	31859.09	12161_4 – $44021°_3$	0.05			0.008	1
3138.88	15	31849.27	18116_2 – $49966°_3$	0.08			0.008	1
3139.422	12	31843.77	4830_3 – $36673°_2$	0.07			0.008	1
3140.146	6	31836.43	28392_6 – $60229°_5$	–0.05			0.008	1
3140.411	30	31833.74	6219_4 – $38053°_3$	0.02			0.008	1
3140.752	60	31830.29	14976_2 – $46806°_2$	0.02			0.008	1
3141.174	12	31826.01	18974_3 – $50800°_3$	0.08			0.008	1
3141.420	100	31823.52	12161_4 – $43985°_4$	0.07			0.008	1
3141.898	5	31818.68	19253_2 – $51072°_3$	0.06			0.008	1
3142.147	80	31816.16	17701_3 – $49517°_2$	0.08			0.008	1
3142.724	20*w*	31810.31	$24763°_4$ – 56573_5	0.16			0.008	1
3143.215	25	31805.35	20427_1 – $52233°_0$	0.09			0.008	1
3144.415	3	31793.21	22476_4 – $54269°_3$	0.12			0.008	1
3145.24	12	31784.87	15069_5 – $46854°_5$	0.00			0.008	1
3145.54	50	31781.84	6219_4 – $38001°_4$	0.05	4.8e+5	C	0.008	1w, 7t
3145.804	3	31779.17	19827_3 – $51606°_2$	0.07			0.008	1
3146.034	3	31776.85					0.008	1
3146.352	20	31773.64	13777_2 – $45551°_3$	0.03			0.008	1
3146.428	8	31772.87	19827_3 – $51600°_3$	0.03			0.008	1
3147.176	3	31765.32					0.008	1

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
3147.547	4	31761.57					0.008	1
3148.12	6	31755.79	19535_5 – $51290°_5$	0.07			0.008	1
3149.252	2	31744.38	18974_3 – $50718°_2$	–0.01			0.008	1
3149.747	1	31739.39	16431_4 – $48170°_3$	0.15			0.008	1
3150.46	2	31732.21					0.008	1
3151.685	6	31719.87	29460_7 – $61180°_7$	–0.01			0.008	1
3151.996	15	31716.74	17701_3 – $49417°_3$	0.02			0.008	1
3152.104	10	31715.66	18082_1 – $49798°_0$	0.01			0.008	1
3152.484	25	31711.84	13307_1 – $45019°_2$	–0.08			0.008	1
3152.954	80	31707.11	16431_4 – $48138°_5$	0.04			0.008	1
3153.653	3	31700.08					0.008	1
3154.172	5	31694.87	24789_2 – $56484°_3$	0.20			0.008	1
3154.762	8	31688.94	12161_4 – $43850°_3$	0.06			0.008	1
3155.09	60	31685.64	18280_2 – $49966°_3$	0.09			0.008	1
3155.52	25	31681.33	2951_3 – $34632°_4$	0.02			0.008	1
3156.59	3	31670.59	20983_2 – $52653°_2$	0.03			0.008	1n
			13348_3 – $45019°_2$	0.13				1
3158.16	15	31654.84					0.008	1
3158.32	4	31653.24	19256_4 – $50909°_4$	0.01			0.008	1
3158.804	30	31648.39	19648_6 – $51296°_7$	0.01			0.008	1
3159.042	5	31646.00	22773_0 – $54419°_1$	0.11			0.008	1
3159.181	60	31644.61	13777_2 – $45422°_2$	0.06			0.008	1
3159.418	10	31642.24	19648_6 – $51290°_5$	0.05			0.008	1n
			22476_4 – $54118°_4$	0.14				1
3159.572	12	31640.70	22476_4 – $54117°_3$	0.02			0.008	1
			19253_2 – $50894°_3$	0.14				1
3159.858	2	31637.83	19256_4 – $50894°_3$	–0.05			0.008	1
3160.134	3	31635.07	27213_4 – $58848°_4$	–0.01			0.008	1
3161.715	2	31619.25	15460_3 – $47079°_2$	–0.14			0.008	1
3161.972	15	31616.68	18082_1 – $49699°_2$	–0.05			0.008	1
3162.616	3	31610.24	$23047°_3$ – 54657_3	–0.01			0.008	1
3163.416	80	31602.25	15069_5 – $46672°_6$	–0.04			0.008	1
3164.008	12	31596.34	13777_2 – $45374°_1$	0.05			0.008	1
3164.44	60	31592.03	13348_3 – $44940°_4$	0.02			0.008	1
3165.375	60	31582.69	18116_2 – $49699°_2$	–0.03			0.008	1
3165.708	5	31579.37	12161_4 – $43741°_5$	–0.04			0.008	1
3165.875	4	31577.71	23455_1 – $55032°_2$	0.06			0.008	1
3166.74	10	31569.08	17107_4 – $48676°_4$	0.01			0.008	1
3167.272	10	31563.78	24610_3 – $56174°_4$	0.03			0.008	1
3167.585	30	31560.66	27849_5 – $59410°_6$	–0.06			0.008	1

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
3168.674	1	31549.81	19256_4 – $50806°_5$	–0.02			0.008	1
3168.976	15	31546.81	19253_2 – $50800°_3$	–0.07			0.008	1
3169.242	2	31544.16	19256_4 – $50800°_3$	–0.04			0.008	1
3169.336	1	31543.22	24789_2 – $56332°_3$	0.88			0.008	1
3169.934	40	31537.27	16431_4 – $47968°_4$	–0.04			0.008	1
3170.206	60	31534.57	2951_3 – $34485°_2$	0.00	6.0e+5	B	0.008	1w, 7t
3170.342	25	31533.21					0.008	1
3171.643	15	31520.28	20983_2 – $52503°_2$	–0.11			0.008	1
3173.114	4	31505.67					0.008	1
3173.336	4	31503.46					0.008	1
3176.533	6	31471.76	15460_3 – $46931°_4$	–0.07			0.008	1
3176.601	150	31471.09	1670_1 – $33141°_2$	0.00	2.12e+6	B	0.008	1w, 7t
3177.20	30	31465.15	19253_2 – $50718°_2$	–0.19			0.008	1
3177.25	5	31464.66	19826_5 – $51290°_5$	–0.03			0.008	1
3177.708	4	31460.12	23930_3 – $55390°_2$	0.04			0.008	1
3177.97	5	31457.53	22852_4 – $54310°_5$	0.03			0.008	1
3178.256	25	31454.70	6219_4 – $37674°_3$	–0.05			0.008	1
3179.06	80	31446.74	17701_3 – $49147°_4$	–0.03			0.008	1
3179.17	4	31445.65					0.008	1
3180.113	4	31436.33	15069_5 – $46506°_5$	–0.11			0.008	1
3180.198	5	31435.49					0.008	1
3180.31	20	31434.38	18082_1 – $49517°_2$	–0.05			0.008	1
3180.745	60	31430.09	13307_1 – $44737°_1$	–0.02			0.008	1
3181.125	2	31426.33	24610_3 – $56037°_2$	–0.07			0.008	1
3181.816	100	31419.51	16431_4 – $47850°_5$	–0.02			0.008	1
3181.868	6	31418.99	18280_2 – $49699°_2$	–0.09			0.008	1
3182.074	8	31416.96	22852_4 – $54269°_3$	–0.01			0.008	1
3182.167	4	31416.04	23930_3 – $55346°_4$	–0.08			0.008	1
3182.66	6	31411.17	23484_6 – $54895°_6$	–0.01			0.008	1
3182.86	60	31409.20	14976_2 – $46385°_3$	–0.08			0.008	1
3183.045	4	31407.37	23982_2 – $55390°_2$	0.01			0.008	1
3183.514	30	31402.75	2951_3 – $34354°_3$	–0.04	2.64e+5	B	0.008	1w, 7t
3183.752	20	31400.40	18116_2 – $49517°_2$	–0.02			0.008	1
3184.05	50	31397.46	18116_2 – $49514°_3$	–0.04			0.008	1
3184.418	120	31393.83	3325_2 – $34719°_1$	0.03	2.53e+6	B	0.008	1w, 8t
3185.206	25	31386.07	22476_4 – $53862°_5$	0.03			0.008	1
3185.402	6	31384.14					0.008	1
3186.743	15	31370.93	17701_3 – $49072°_3$	–0.03			0.008	1
3186.971	8	31368.69					0.008	1
3187.768	20	31360.84	18082_1 – $49443°_1$	–0.03			0.008	1

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
3188.392	12	31354.71	19827_3 – $51182°_2$	0.01			0.008	1
3188.709	3	31351.59	14976_2 – $46327°_2$	0.02			0.008	1
3189.238	50	31346.39	15460_3 – $46806°_2$	–0.05			0.008	1
3191.228	10	31326.84	18116_2 – $49443°_1$	–0.02			0.008	1
3191.572	200	31323.47	0_0 – $31323°_1$	–0.01	3.2e+6	B	0.008	1w, 7t
3191.732	8	31321.90	27849_5 – $59171°_4$	–0.01			0.008	1
3192.266	8	31316.66	12161_4 – $43478°_3$	0.04			0.008	1
3192.39	15	31315.44	14976_2 – $46291°_1$	–0.01			0.008	1
3192.936	15	31310.09	18974_3 – $50284°_4$	–0.04			0.008	1
3193.624	4	31303.34	19648_6 – $50951°_6$	0.02			0.008	1
3193.856	30	31301.07	18116_2 – $49417°_3$	0.01			0.008	1
3193.984	20	31299.81	27849_5 – $59149°_5$	0.01			0.008	1n
3194.546	25	31294.31					0.008	1
3195.070	25	31289.17	13307_1 – $44596°_2$	–0.01			0.008	1
3195.953	6	31280.53	28392_6 – $59673°_5$	–0.09			0.008	1
3196.01	6	31279.97	19253_2 – $50533°_1$	–0.02			0.008	1
3196.12	6	31278.90	27849_5 – $59128°_6$	–0.10			0.008	1
3196.926	8	31271.01	19535_5 – $50806°_5$	–0.05			0.008	1
3197.436	6	31266.02	20427_1 – $51693°_2$	0.01			0.008	1
3198.262	10	31257.95	16431_4 – $47689°_4$	–0.07			0.008	1
3198.840	200	31252.30	4830_3 – $36082°_4$	0.00	4.6e+6	B	0.008	1w, 7t
3199.314	15	31247.67	13348_3 – $44596°_2$	–0.05			0.008	1
3199.816	4	31242.77	9528_0 – $40770°_1$	0.05			0.008	1
3199.877	4	31242.17	17008_6 – $48250°_7$	–0.03			0.008	1
3199.966	30	31241.30	13777_2 – $45019°_2$	–0.01			0.008	1
3200.428	25	31236.79	18280_2 – $49517°_2$	0.01			0.008	1
3200.73	25	31233.85	18280_2 – $49514°_3$	–0.01			0.008	1
3202.030	8	31221.17	$20064°_1$ – 51285_0	0.01			0.008	1
3202.21	6	31219.41	17107_4 – $48326°_3$	0.01			0.008	1
3203.055	40	31211.17	18974_3 – $50185°_3$	–0.02			0.008	1
3203.684	10	31205.05					0.008	1
3205.502	25	31187.35	18082_1 – $49270°_2$	0.02			0.008	1
3206.557	3	31177.09	28233_5 – $59410°_6$	0.01			0.008	1
3207.25	300	31170.35	2951_3 – $34121°_4$	–0.04	3.0e+6	B	0.008	1w, 7t
3207.80	25	31165.01	15460_3 – $46625°_4$	–0.03			0.008	1
3207.988	20	31163.18	18280_2 – $49443°_1$	–0.04			0.008	1
3208.10	40	31162.09	16431_4 – $47593°_3$	–0.04			0.008	1
3208.28	200	31160.35	3325_2 – $34485°_2$	0.02	4.4e+6	B	0.008	1w, 7t
3208.566	60	31157.57	19648_6 – $50806°_5$	0.04			0.008	1
3208.843	12	31154.88					0.008	1

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
3209.008	12	31153.28	$18116_2 - 49270°_2$	–0.04			0.008	1
3210.31	3	31140.64					0.008	1
3210.642	20	31137.42	$18280_2 - 49417°_3$	0.00			0.008	1
3210.922	1	31134.71	$31389_5 - 62524°_6$	–0.23			0.008	1
3211.422	5	31129.86	$17008_6 - 48138°_5$	–0.02			0.008	1
3211.837	6	31125.84	$19826_5 - 50951°_6$	0.02			0.008	1
3212.235	5	31121.98					0.008	1
3213.136	12	31113.26	$4830_3 - 35943°_3$	0.09	9.7e+4	C	0.008	1w, 7t
3214.23	10	31102.67	$27213_4 - 58316°_4$	0.03			0.008	1
3214.666	6	31098.45	$13348_3 - 44447°_3$	–0.01			0.008	1
3215.146	8	31093.81					0.008	1
3215.354	6	31091.79	$14976_2 - 46068°_3$	–0.05			0.008	1
3215.562	200	31089.78	$6219_4 - 37309°_5$	–0.05	2.1e+7	B	0.008	1w, 7t
3215.648	150	31088.95	$12161_4 - 43251°_4$	–0.09			0.008	1
3216.214	20	31083.48	$19826_5 - 50909°_4$	0.05			0.008	1
3216.99	4	31075.98					0.008	1
3217.70	12	31069.13	$18082_1 - 49151°_2$	0.02			0.008	1
3217.977	2	31066.45	$19827_3 - 50894°_3$	0.01			0.008	1
3218.444	3	31061.94					0.008	1
3218.605	60	31060.39	$13307_1 - 44367°_2$	–0.01			0.008	1
3219.054	10	31056.06					0.008	1
3219.44	4	31052.33	$16431_4 - 47483°_3$	–0.04			0.008	1
3220.06	30	31046.36	$13307_1 - 44353°_1$	0.00			0.008	1
3221.11	4	31036.24	$15069_5 - 46106°_6$	–0.03			0.008	1
3221.212	75	31035.25	$18116_2 - 49151°_2$	0.15			0.008	1
3221.515	3	31032.34	$20983_2 - 52015°_3$	0.08			0.008	1
3221.617	25	31031.35	$17107_4 - 48138°_5$	–0.02			0.008	1
3221.914	60	31028.49	$3325_2 - 34354°_3$	–0.06	1.61e+6	B	0.008	1w, 7t
3222.67	8	31021.21					0.008	1
3223.120	25	31016.88	$3325_2 - 34342°_1$	–0.03	3.3e+5	C	0.008	1w, 8t
3223.83	1	31010.05	$22852_4 - 53862°_5$	0.13			0.008	1
3224.027	4	31008.16					0.008	1
3224.968	1	30999.11	$27849_5 - 58848°_4$	0.01			0.008	1
3225.29	1	30996.01	$22852_4 - 53848°_4$	0.18			0.008	1
3225.632	50	30992.73	$2951_3 - 33944°_2$	–0.04			0.008	1
3225.743	3	30991.66	$18974_3 - 49966°_3$	0.14			0.008	1
3225.947	15	30989.70	$18280_2 - 49270°_2$	0.02			0.008	1
3226.32	2	30986.12	$24610_3 - 55596°_4$	0.10			0.008	1
3226.413	2	30985.23	$27670_1 - 58655°_2$	–0.01			0.008	1
3226.526	4	30984.14					0.008	1

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
3226.793	4	30981.58	23930_3 – $54911°_4$	0.05			0.008	1
3227.492	30	30974.87	17701_3 – $48676°_4$	–0.03			0.008	1
3229.227	3	30958.23	23982_2 – $54941°_1$	0.02			0.008	1
3229.530	15	30955.32	18116_2 – $49072°_3$	0.02			0.008	1
3229.641	20	30954.26	28392_6 – $59346°_7$	–0.02			0.008	1
3229.687	5	30953.82	29460_7 – $60414°_6$	–0.03			0.008	1
3231.297	2	30938.39	28233_5 – $59171°_4$	0.12			0.008	1
3231.628	4	30935.23	24610_3 – $55546°_3$	0.05			0.008	1
3231.954	6	30932.11	19253_2 – $50185°_3$	–0.03			0.008	1
3232.132	15	30930.40	16431_4 – $47361°_3$	–0.03			0.008	1
3232.23	8	30929.47	19256_4 – $50185°_3$	0.01			0.008	1
3232.302	2	30928.77	16431_4 – $47360°_4$	–0.11			0.008	1
3232.487	80	30927.01	6219_4 – $37146°_4$	–0.02	2.4e+6	B	0.008	1w, 7t
3232.57	2	30926.21	14976_2 – $45902°_2$	–0.09			0.008	1
3232.654	60	30925.41	15460_3 – $46385°_3$	–0.04			0.008	1
3233.24	4	30919.80	23455_1 – $54374°_1$	0.02			0.008	1
3234.994	30	30903.04	3325_2 – $34228°_3$	–0.03			0.008	1
3235.108	15	30901.95	4830_3 – $35731°_2$	–0.01	2.68e+5	D	0.008	1w, 7t
3235.922	25	30894.18	19535_5 – $50429°_6$	0.01			0.008	1
3236.486	4	30888.79					0.008	1
3237.087	80	30883.06	9528_0 – $40411°_1$	0.00	1.11e+7	B	0.008	1w, 8t
3237.786	10	30876.39	23982_2 – $54859°_2$	0.04			0.008	1
3237.91	8	30875.21					0.008	1
3238.118	5	30873.23					0.008	1
3238.303	2	30871.47	18280_2 – $49151°_2$	0.01			0.008	1
3238.496	50	30869.62	$23047°_3$ – 53916_3	0.03			0.008	1
3238.69	12	30867.77	15460_3 – $46327°_2$	0.03			0.008	1
3239.338	10	30861.60	17107_4 – $47968°_4$	–0.01			0.008	1
3240.966	2	30846.1					0.008	1
3241.114	3	30844.69					0.008	1
3241.408	20	30841.89	$20064°_1$ – 50906_1	–0.01			0.008	1
3241.55	3	30840.54	23455_1 – $54295°_0$	–0.08			0.008	1
3242.026	100	30836.01	$21448°_2$ – 52284_3	0.01			0.008	1
3242.554	3	30830.99					0.008	1
3242.672	4	30829.87	24789_2 – $55619°_2$	–0.13			0.008	1
3243.122	6	30825.59	23484_6 – $54310°_5$	0.07			0.008	1
3244.449	2	30812.99					0.008	1
3245.01	4	30807.66					0.008	1
3246.698	4	30791.64	18280_2 – $49072°_3$	–0.02			0.008	1
3247.436	15	30784.64	14976_2 – $45760°_1$	0.02			0.008	1

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
3247.883	2	30780.41	20983_2 – $51763°_1$	–0.01			0.008	1
3248.031	2*s*	30779.00	24610_3 – $55390°_2$	–0.28			0.008	1
3248.098	6	30778.37	24610_3 – $55389°_3$	–0.05			0.008	1
3249.848	10	30761.80	22476_4 – $53238°_4$	0.07			0.008	1
3251.13	3	30749.67	19535_5 – $50284°_4$	0.04			0.008	1
3251.23	40	30748.72	12161_4 – $42910°_4$	–0.06			0.008	1
3251.744	6	30743.86	17107_4 – $47850°_5$	0.03			0.008	1
3252.292	100	30738.68	$23047°_3$ – 53786_4	–0.01			0.008	1
3252.566	4	30736.09	28392_6 – $59128°_6$	–0.01			0.008	1
3252.64	15	30735.39	24610_3 – $55346°_4$	0.07			0.008	1
3252.727	3	30734.57	$21448°_2$ – 52183_2	0.13			0.008	1
3254.360	50	30719.15	15069_5 – $45789°_5$	–0.06			0.008	1
3254.526	12	30717.58	22476_4 – $53194°_5$	0.01			0.008	1
3254.660	6	30716.32	1670_1 – $32386°_0$	0.05			0.008	1
3255.067	20	30712.48	19253_2 – $49966°_3$	0.01			0.008	1
3255.23	2	30710.94	20983_2 – $51693°_2$	0.11			0.008	1
3255.35	10	30709.81	19256_4 – $49966°_3$	0.02			0.008	1
3255.957	60	30704.08	12161_4 – $42866°_5$	0.04			0.008	1
3256.230	100	30701.51	14976_2 – $45677°_3$	0.00			0.008	1
3256.493	25	30699.03					0.008	1
3258.140	12	30683.51	0_0 – $30683°_1$	–0.03			0.008	1
3259.434	60	30671.33	18116_2 – $48788°_1$	0.11			0.008	1
3259.66	60	30669.20	4830_3 – $35499°_3$	0.05	1.3e+6	B	0.008	1w, 7t
3259.778	12	30668.09	13307_1 – $43975°_2$	–0.03			0.008	1
3259.905	12	30666.90	19827_3 – $50494°_2$	0.04			0.008	1
3261.163	40	30655.07	6219_4 – $36874°_3$	0.04			0.008	1
3262.586	1	30641.7	22476_4 – $53118°_4$	0.1			0.008	1
3262.676	3	30640.85					0.008	1
3263.100	40	30636.87	13348_3 – $43985°_4$	0.02			0.008	1
3264.19	6	30626.64	13348_3 – $43975°_2$	–0.02			0.008	1
3264.34	15	30625.24	17701_3 – $48326°_3$	0.01			0.008	1
3265.06	4	30618.48	3325_2 – $33944°_2$	–0.05			0.008	1
3265.152	60	30617.62	17701_3 – $48318°_2$	–0.04			0.008	1
			$24763°_4$ – 55381_5	0.01				1
3266.073	12	30608.99	$21448°_2$ – 52057_1	–0.05			0.008	1
3266.182	8	30607.97	15460_3 – $46068°_3$	–0.04			0.008	1
3266.620	40	30603.86	$21453°_1$ – 52057_1	–0.04			0.008	1
3266.695	3	30603.16	19826_5 – $50429°_6$	0.02			0.008	1
3266.766	30	30602.49	19535_5 – $50137°_5$	–0.05			0.008	1
3266.970	3	30600.58	24789_2 – $55390°_2$	0.08			0.008	1

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
3267.603	2	30594.65	$24789_2 - 55384°_1$	–0.07			0.008	1
3268.124	12	30589.78	$13777_2 - 44367°_2$	–0.01			0.008	1
3268.574	25	30585.57	$13307_1 - 43892°_1$	0.05			0.008	1
3268.924	40	30582.29	$17107_4 - 47689°_4$	–0.03			0.008	1
3269.622	50	30575.76	$13777_2 - 44353°_1$	0.01			0.008	1
3269.694	4	30575.09	$14976_2 - 45551°_3$	–0.05			0.008	1
3270.266	60	30569.74	$24763°_4 - 55333_4$	0.01			0.008	1
3271.634	8	30556.96	$28291_3 - 58848°_4$	–0.06			0.008	1
3272.00	15	30553.54	$21448°_2 - 52002_3$	0.05			0.008	1
3273.12	20	30543.09	$17701_3 - 48244°_2$	–0.02			0.008	1
3273.154	3	30542.77	$18974_3 - 49517°_2$	0.02			0.008	1
3273.474	15	30539.78	$18974_3 - 49514°_3$	–0.05			0.008	1
3274.616	10	30529.13					0.008	1
3275.524	3	30520.67	$18082_1 - 48603°_0$	0.06			0.008	1
3275.74	3	30518.66	$27213_4 - 57732°_3$	0.02			0.008	1
3276.018	6	30516.07	$22476_4 - 52992°_4$	0.06			0.008	1
3276.532	5	30511.28	$28392_6 - 58903°_5$	0.00			0.008	1
3276.928	25	30507.59	$18280_2 - 48788°_1$	0.01			0.008	1
3277.50	8	30502.27	$13348_3 - 43850°_3$	–0.01			0.008	1
3277.608	3	30501.27	$28347_3 - 58848°_4$	–0.03			0.008	1
3278.524	12	30492.74	$22852_4 - 53345°_3$	0.02			0.008	1
3278.924	12	30489.02	$19648_6 - 50137°_5$	0.01			0.008	1
3279.03	30	30488.04	$21448°_2 - 51936_2$	–0.04			0.008	1
3279.207	12	30486.39	$17107_4 - 47593°_3$	–0.04			0.008	1
3279.578	40	30482.95	$21453°_1 - 51936_2$	0.01			0.008	1
3279.724	6	30481.59	$4830_3 - 35311°_2$	0.03			0.008	1
3280.306	5*w*	30476.18	$19827_3 - 50303°_3$	0.08			0.008	1
3281.041	3	30469.35	$17701_3 - 48170°_3$	–0.02			0.008	1
3281.938	120	30461.03	$20064°_1 - 50525_2$	–0.02			0.008	1
3282.196	15	30458.63	$19826_5 - 50284°_4$	0.03			0.008	1
3282.376	10	30456.96	$19827_3 - 50284°_4$	0.00			0.008	1
3283.554	50	30446.03	$14976_2 - 45422°_2$	–0.05			0.008	1
			$19253_2 - 49699°_2$	0.03				1
3283.94	5	30442.45	$15460_3 - 45902°_2$	–0.02			0.008	1
3284.288	25	30439.23	$12161_4 - 42601°_3$	0.00			0.008	1
3284.536	3	30436.93	$23982_2 - 54419°_1$	0.06			0.008	1
3284.682	2	30435.58					0.008	1
3285.02	12	30432.45	$24610_3 - 55043°_4$	–0.01			0.008	1
3285.992	15	30423.45	$16431_4 - 46854°_5$	–0.04			0.008	1
3286.177	1	30421.73	$24610_3 - 55032°_2$	–0.06			0.008	1

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
3287.125	2	30412.96					0.008	1
3287.915	2	30405.65	$27213_4 - 57619°_3$	0.11			0.008	1
3288.758	10	30397.86	$14976_2 - 45374°_1$	0.04			0.008	1
3289.728	2	30388.90					0.008	1
3290.043	2*w*	30386.0	$22852_4 - 53238°_4$	0.4			0.008	1
3290.51	30	30381.68	$15069_5 - 45451°_5$	–0.04			0.008	1
3290.660	20	30380.29	$19256_4 - 49636°_4$	0.01			0.008	1
3290.906	2	30378.02	$23484_6 - 53862°_5$	0.08			0.008	1
3291.054	25	30376.65	$17107_4 - 47483°_3$	–0.02			0.008	1
3291.524	12	30372.32	$13348_3 - 43720°_4$	0.01			0.008	1
3291.712	20	30370.58	$12161_4 - 42532°_4$	–0.08			0.008	1
3292.802	60	30360.53					0.008	1
3292.938	20	30359.27	$20174_0 - 50533°_1$	–0.08			0.008	1
3293.070	6	30358.06	$19827_3 - 50185°_3$	0.04			0.008	1
3293.712	80	30352.14	$12161_4 - 42514°_3$	–0.04			0.008	1
3293.946	3	30349.98					0.008	1
3294.266	2	30347.04	$27213_4 - 57560°_5$	0.03			0.008	1
3295.062	3	30339.71	$23930_3 - 54269°_3$	0.02			0.008	1
3295.200	3	30338.43					0.008	1
3295.564	8	30335.09					0.008	1
3296.187	25*w*	30329.35	$27849_5 - 58179°_5$	–0.23			0.008	1
			$28233_5 - 58562°_5$	0.11				1
3298.130	60	30311.48	$19826_5 - 50137°_5$	–0.03			0.008	1
3298.507	2	30308.02	$28347_3 - 58655°_2$	–0.10			0.008	1
3298.606	12	30307.11	$18082_1 - 48389°_1$	–0.02			0.008	1
3298.937	3	30304.07					0.008	1
3299.300	10	30300.73	$24610_3 - 54911°_4$	0.00			0.008	1
3299.660	6	30297.43	$22476_4 - 52774°_5$	0.01			0.008	1
3299.858	6	30295.61	$18974_3 - 49270°_2$	–0.04			0.008	1
3300.344	5	30291.15	$20427_1 - 50718°_2$	0.09			0.008	1
3300.660	8	30288.25	$12161_4 - 42450°_4$	–0.03			0.008	1
3300.822	150	30286.77	$4830_3 - 35116°_4$	–0.01	8.1e+6	B	0.008	1w, 7t
3301.81	8	30277.7	$20983_2 - 51260°_1$	0.0			0.008	1
3302.275	2	30273.44	$18116_2 - 48389°_1$	0.32			0.008	1
3302.842	4	30268.24	$22773_0 - 53042°_1$	0.02			0.008	1
3303.338	12	30263.70	$19253_2 - 49517°_2$	0.00			0.008	1
3303.660	8	30260.75	$19253_2 - 49514°_3$	–0.03			0.008	1
3304.250	3	30255.34					0.008	1
3304.324	4	30254.66	$17107_4 - 47361°_3$	–0.07			0.008	1
3304.45	20	30253.5	$19535_5 - 49788°_4$	–0.1			0.008	1

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
3304.482	20	30253.22	17107_4 – $47360°_4$	0.04			0.008	1
3305.570	25	30243.26	13777_2 – $44021°_3$	–0.03			0.008	1
3305.825	3	30240.93	33291_6 – $63532°_6$	–0.05			0.008	1
3306.365	30	30235.99	18082_1 – $48318°_2$	–0.02			0.008	1
3308.358	3	30217.77	15460_3 – $45677°_3$	0.09			0.008	1
3308.417	2	30217.24					0.008	1
3308.76	1	30214.1	23455_1 – $53669°_2$	–0.2			0.008	1
3309.258	2	30209.56	18116_2 – $48326°_3$	–0.01			0.008	1
3309.478	30	30207.55	13307_1 – $43514°_2$	–0.03			0.008	1
3310.083	5	30202.03	18116_2 – $48318°_2$	0.03			0.008	1
3310.246	2	30200.54					0.008	1
3310.38	5*w*	30199.3	20983_2 – $51182°_2$	–0.1			0.008	1
3310.57	1	30197.6	13777_2 – $43975°_2$	0.1			0.008	1
3310.72	1	30196.2					0.008	1
3310.994	1	30193.72	16431_4 – $46625°_4$	–0.02			0.008	1
3311.118	25	30192.59	15069_5 – $45262°_4$	–0.03			0.008	1
3311.388	200	30190.13	2951_3 – $33141°_2$	0.04	5.6e+6	B	0.008	1w, 7t
3311.552	5	30188.63	23930_3 – $54118°_4$	–0.07			0.008	1
3312.303	3	30181.79	18082_1 – $48264°_0$	0.00			0.008	1
3312.776	3	30177.48	18974_3 – $49151°_2$	0.05			0.008	1
3313.226	6	30173.38	18974_3 – $49147°_4$	–0.06			0.008	1
3313.606	4	30169.92	28392_6 – $58562°_5$	–0.06			0.008	1
3314.020	25	30166.15	13348_3 – $43514°_2$	0.03			0.008	1
3314.538	15	30161.44	18082_1 – $48244°_2$	–0.02			0.008	1
3315.090	80	30156.42	$26676°_5$ – 56832_6	0.00			0.008	1
3316.088	60	30147.34	1670_1 – $31817°_2$	0.00			0.008	1
3316.91	10	30139.9	28347_3 – $58487°_3$	0.0			0.008	1
			22852_4 – $52992°_4$	0.0				1
3317.078	15	30138.34	19827_3 – $49966°_3$	–0.01			0.008	1
3317.50	3	30134.5	23982_2 – $54117°_3$	–0.1			0.008	1
3317.75	4	30132.2					0.008	1
3317.996	40	30130.01	13348_3 – $43478°_3$	–0.01			0.008	1
3319.664	8	30114.87	13777_2 – $43892°_1$	–0.04			0.008	1
3320.257	8	30109.48	18280_2 – $48389°_1$	0.00			0.008	1
3320.364	40	30108.52	9528_0 – $39636°_1$	–0.04	4.8e+6	B	0.008	1w, 8t
3320.664	2	30105.8	20427_1 – $50533°_1$	0.1			0.008	1
3321.140	25	30101.48	19535_5 – $49636°_4$	–0.03			0.008	1
			27213_4 – $57315°_4$	0.05				1
3321.45	2	30098.7					0.008	1
3321.569	35	30097.59	18974_3 – $49072°_3$	–0.04			0.008	1

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
3322.256	80	30091.37	15460_3 – $45551°_3$	0.06			0.008	1
3322.504	12	30089.13	20983_2 – $51072°_3$	–0.03			0.008	1
3322.856	2	30085.94	28204_2 – $58290°_1$	–0.04			0.008	1
3324.064	30	30075.01	16431_4 – $46506°_5$	–0.05			0.008	1
3324.280	4	30073.05	13777_2 – $43850°_3$	–0.08			0.008	1
3324.696	20	30069.29	27849_5 – $57919°_6$	–0.08			0.008	1
3324.984	10	30066.68	20427_1 – $50494°_2$	–0.02			0.008	1
3326.196	120	30055.73	6219_4 – $36275°_5$	–0.04			0.008	1
3326.424	20	30053.67	18116_2 – $48170°_3$	–0.04			0.008	1
3327.19	12	30046.75	15069_5 – $45116°_4$	–0.09			0.008	1
3327.63	50	30042.78	14976_2 – $45019°_2$	–0.06			0.008	1
3328.124	60	30038.32	18280_2 – $48318°_2$	–0.04			0.008	1
3328.34	2	30036.4					0.008	1
3329.135	4	30029.2	23930_3 – $53959°_2$	0.0			0.008	1
3329.650	2	30024.55	28291_3 – $58316°_4$	–0.03			0.008	1
3330.53	15	30016.6	19253_2 – $49270°_2$	0.0			0.008	1
3331.687	150	30006.19	2951_3 – $32957°_3$	–0.10			0.008	1
3332.175	2	30001.8	28204_2 – $58206°_3$	0.0			0.008	1
3333.704	6	29988.04	17701_3 – $47689°_4$	–0.11			0.008	1
3334.606	5	29979.93					0.008	1
3336.581	40	29962.18	15460_3 – $45422°_2$	–0.07			0.008	1
3336.860	30	29959.68	22476_4 – $52436°_4$	–0.08			0.008	1
3337.514	15*w*	29953.81	27849_5 – $57803°_4$	–0.05			0.008	1
			22852_4 – $52806°_3$	0.05				1
3337.690	60	29952.23	$23964°_2$ – 53916_3	0.00			0.008	1
3338.447	1	29945.44	24610_3 – $54556°_3$	–0.11			0.008	1
3339.996	6	29931.55	19256_4 – $49187°_5$	–0.13			0.008	1
3340.115	12	29930.48					0.008	1
3340.206	3	29929.67	27213_4 – $57143°_5$	0.01			0.008	1
3341.146	3	29921.25	22852_4 – $52774°_5$	–0.05			0.008	1
3341.412	3	29918.87	22476_4 – $52395°_5$	0.05			0.008	1
3341.446	1	29918.56	23930_3 – $53848°_4$	0.01			0.008	1
3342.28	2	29911.1	20983_2 – $50894°_3$	0.0			0.008	1
3343.246	50	29902.45	13348_3 – $43251°_4$	0.01			0.008	1
3343.696	3	29898.43	19253_2 – $49151°_2$	0.05			0.008	1
3343.852	20	29897.03	$26676°_5$ – 56573_5	–0.03			0.008	1
3344.16	2	29894.3	$24763°_4$ – 54657_3	0.1			0.008	1
3344.40	3	29892.1	17701_3 – $47593°_3$	–0.2			0.008	1
3344.450	20	29891.69	19256_4 – $49147°_4$	–0.02			0.008	1
3344.63	6	29890.1	18280_2 – $48170°_3$	0.0			0.008	1

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
3345.088	60	29885.99	$29460_7 - 59346°_7$	–0.01			0.008	1
3345.858	100	29879.11	$13348_3 - 43227°_2$	0.01	9.2e+6	B	0.008	1w, 8t
3346.114	40	29876.83	$2951_3 - 32828°_4$	0.00			0.008	1
3346.66	5	29872.0	$19827_3 - 49699°_2$	0.1			0.008	1
3346.81	3	29870.6	$15069_5 - 44940°_4$	0.0			0.008	1
3348.496	5	29855.57	$26861_2 - 56717°_3$	0.08			0.008	1
3349.538	6	29846.28	$17008_6 - 46854°_5$	–0.02			0.008	1
3351.202	15	29831.47	$21453°_1 - 51285_0$	–0.09			0.008	1
3351.391	3	29829.78	$23455_1 - 53284°_2$	–0.12			0.008	1
3351.971	15	29824.62	$17107_4 - 46931°_4$	–0.21			0.008	1
3352.651	5	29818.57	$19253_2 - 49072°_3$	–0.01			0.008	1
3352.954	20	29815.88	$19256_4 - 49072°_3$	–0.02			0.008	1
			$3325_2 - 33141°_2$	0.03				1
3353.554	30	29810.55	$19826_5 - 49636°_4$	0.07			0.008	1
3353.738	30	29808.91	$19827_3 - 49636°_4$	0.07			0.008	1
3354.452	120	29802.57	$4830_3 - 34632°_4$	–0.03			0.008	1
			$15460_3 - 45262°_4$	0.03				1
3356.241	4	29786.68	$28392_6 - 58179°_5$	0.00			0.008	1
3356.505	2	29784.33	$29479_4 - 59263°_5$	0.02			0.008	1
3356.712	15	29782.50	$17701_3 - 47483°_3$	0.00			0.008	1
3357.086	4	29779.18	$22476_4 - 52255°_3$	0.06			0.008	1
3357.892	3	29772.03	$23455_1 - 53227°_1$	0.02			0.008	1
3360.63	2	29747.8	$17107_4 - 46854°_5$	0.0			0.008	1
3360.740	6	29746.81	$13307_1 - 43053°_0$	0.03			0.008	1
3361.104	40	29743.58	$23484_6 - 53228°_6$	–0.06			0.008	1
3361.364	20	29741.28	$17701_3 - 47442°_2$	–0.07			0.008	1
3361.852	15	29736.97	$13777_2 - 43514°_2$	0.00			0.008	1
3361.98	4	29735.8	$20983_2 - 50718°_2$	–0.1			0.008	1
3363.336	80	29723.85	$6219_4 - 35943°_3$	0.01	6.6e+5	C	0.008	1w, 7t
3364.792	4	29710.98	$27849_5 - 57560°_5$	–0.05			0.008	1
3364.898	6	29710.05	$12161_4 - 41871°_4$	0.07			0.008	1
3365.936	40	29700.89	$13777_2 - 43478°_3$	0.02			0.008	1
3367.214	15	29689.61	$19827_3 - 49517°_2$	0.03			0.008	1
3367.550	15	29686.65	$19827_3 - 49514°_3$	–0.01			0.008	1
3367.656	8	29685.72	$28233_5 - 57919°_6$	–0.01			0.008	1
3369.680	20	29667.89	$29460_7 - 59128°_6$	0.07			0.008	1
3370.157	10	29663.69	$17008_6 - 46672°_6$	–0.03			0.008	1
3370.508	30	29660.60	$17701_3 - 47361°_3$	0.04			0.008	1
3370.691	12	29658.99	$17701_3 - 47360°_4$	–0.02			0.008	1
			$24610_3 - 54269°_3$	0.10				1

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
3370.94	6	29656.8	15460_3 – $45116°_4$	0.0			0.008	1
3371.044	40	29655.88	4830_3 – $34485°_2$	0.02	1.0e+6	B	0.008	1w, 7t
3371.12	20?	29655.2	9528_0 – $39183°_1$	0.1			0.008	1
3371.352	50	29653.17	1670_1 – $31323°_1$	–0.02	6.7e+5	B	0.008	1w, 7t
3373.231	20	29636.66	16431_4 – $46068°_3$	–0.05			0.008	1
			17701_3 – $47337°_2$	0.05				1
3373.752	300	29632.08	3325_2 – $32957°_3$	0.03			0.008	1
3374.574	3	29624.86	30374_2 – $59999°_2$	–0.04			0.008	1
3375.112	40	29620.14	14976_2 – $44596°_2$	0.04			0.008	1
3375.361	4	29617.95	27213_4 – $56831°_4$	0.10			0.008	1
3376.898	20	29604.47	22476_4 – $52081°_5$	0.06			0.008	1
3378.515	40	29590.31	19827_3 – $49417°_3$	0.09			0.008	1
3378.728	5	29588.44	28898_2 – $58487°_3$	–0.12			0.008	1
3379.096	8	29585.22	24789_2 – $54374°_1$	0.08			0.008	1
3379.264	6	29583.75	22852_4 – $52436°_4$	0.11			0.008	1
3380.032	4	29577.03					0.008	1
3380.406	3	29573.75					0.008	1
3381.725	40	29562.22	13348_3 – $42910°_4$	0.04			0.008	1
3382.086	30	29559.06	15460_3 – $45019°_2$	0.05			0.008	1
3382.598	50	29554.59	15460_3 – $45014°_3$	0.06			0.008	1
3384.332	80	29539.45	18280_2 – $47819°_1$	–0.01			0.008	1
			19648_6 – $49187°_5$	0.07				1
3384.888	25	29534.60	19253_2 – $48788°_1$	0.10			0.008	1
3385.818	30	29526.48	28392_6 – $57919°_6$	0.01			0.008	1
3386.090	80	29524.11	4830_3 – $34354°_3$	0.03	2.64e+5	B	0.008	1w, 7t
3386.778	8	29518.11	17107_4 – $46625°_4$	0.07			0.008	1
3387.492	1	29511.89	28291_3 – $57803°_4$	0.11			0.008	1
3387.93	3	29508.1	24610_3 – $54118°_4$	0.2			0.008	1
3388.116	6	29506.46	24610_3 – $54117°_3$	–0.02			0.008	1
3388.822	150	29500.31	$21448°_2$ – 50949_1	0.00			0.008	1
3389.10	5	29497.9	17008_6 – $46506°_5$	0.0			0.008	1
3389.82	3	29491.6					0.008	1
3391.090	80	29480.58	15460_3 – $44940°_4$	0.02			0.008	1
3391.520	80	29476.84	15069_5 – $44546°_5$	0.01			0.008	1
3392.204	6	29470.90	14976_2 – $44447°_3$	0.06			0.008	1
3392.25	1	29470.5	26861_2 – $56332°_3$	0.1			0.008	1
3392.462	2	29468.66	28233_5 – $57702°_6$	–0.20			0.008	1
3392.820	12	29465.55	27849_5 – $57315°_4$	0.10			0.008	1
3393.427	2	29460.28	23930_3 – $53390°_3$	–0.06			0.008	1
3393.748	10	29457.49	$21448°_2$ – 50906_1	0.05			0.008	1

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
3394.613	8	29449.99	13777_2 – $43227°_2$	0.04			0.008	1
3395.472	12	29442.54	19827_3 – $49270°_2$	0.06			0.008	1
3395.806	40	29439.64	13777_2 – $43217°_1$	0.02			0.008	1
3396.395	3	29434.54					0.008	1
3396.850	6	29430.59	23455_1 – $52885°_2$	0.11			0.008	1
3397.455	8	29425.35	19648_6 – $49073°_5$	0.01			0.008	1
3398.089	50	29419.86	19256_4 – $48676°_4$	0.02			0.008	1
3398.585	12	29415.57	23930_3 – $53345°_3$	0.13			0.008	1
3400.453	5	29399.41	17107_4 – $46506°_5$	0.05			0.008	1
3400.548	12	29398.59	4830_3 – $34228°_3$	–0.01			0.008	1
3400.859	6	29395.90	33291_6 – $62687°_6$	0.20			0.008	1
3401.388	30	29391.33	14976_2 – $44367°_2$	0.01			0.008	1
3402.758	12	29379.50	22476_4 – $51856°_4$	0.08			0.008	1
3402.895	4	29378.31	17701_3 – $47079°_2$	0.09			0.008	1
3403.010	1	29377.32	14976_2 – $44353°_1$	0.04			0.008	1
3403.370	5	29374.21					0.008	1
3403.785	8	29370.63	20427_1 – $49798°_0$	–0.01			0.008	1
3404.216	30	29366.91	18116_2 – $47483°_3$	0.07			0.008	1
3404.704	2	29362.70	23982_2 – $53345°_3$	–0.02			0.008	1
3404.792	25	29361.95	19826_5 – $49187°_5$	0.07			0.008	1
3405.052	4	29359.70	18082_1 – $47442°_2$	0.00			0.008	1
3405.266	25	29357.86	16431_4 – $45789°_5$	0.03			0.008	1
3405.952	25	29351.95	18974_3 – $48326°_3$	0.05			0.008	1
3406.824	30	29344.43	18974_3 – $48318°_2$	0.10			0.008	1
3407.244	2	29340.81	32135_4 – $61476°_5$	0.15			0.008	1
3407.628	40	29337.51	12161_4 – $41499°_3$	0.04			0.008	1
3408.379	150	29331.05	$23047°_3$ – 52378_4	0.14			0.008	1
3408.770	5	29327.68	24789_2 – $54117°_3$	–0.02			0.008	1
3409.003	12	29325.67	18116_2 – $47442°_2$	–0.02			0.008	1
3409.164	5	29324.29	19827_3 – $49151°_2$	0.03			0.008	1
3409.432	20	29321.99	19826_5 – $49147°_4$	0.08			0.008	1
3409.608	12	29320.47	15069_5 – $44390°_6$	–0.02			0.008	1
3410.483	15	29312.95	18280_2 – $47593°_3$	–0.01			0.008	1
3410.872	40	29309.61	28392_6 – $57702°_6$	0.01			0.008	1
3411.008	12	29308.44	23930_3 – $53238°_4$	0.11			0.008	1
3411.780	2	29301.81	24610_3 – $53912°_2$	0.14			0.008	1
3411.997	5	29299.95	29460_7 – $58760°_6$	–0.03			0.008	1
3412.078	12	29299.25	27849_5 – $57148°_6$	0.07			0.008	1
3412.736	3	29293.60	27849_5 – $57143°_5$	–0.08			0.008	1
3412.956	80	29291.71	4830_3 – $34121°_4$	0.03	9.7e+5	B	0.008	1w, 7t

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
3413.410	4	29287.82	6219_4 – $35507°_5$	0.08			0.008	1
3413.528	80	29286.80	2951_3 – $32238°_3$	0.07			0.008	1
3414.336	5	29279.87	6219_4 – $35499°_3$	0.05	1.76e+4	D	0.008	1w, 7t
3415.016	3	29274.04					0.008	1
3415.288	5	29271.71	28347_3 – $57619°_3$	–0.05			0.008	1
			20427_1 – $49699°_2$	–0.01				1
3415.406	4	29270.70	27213_4 – $56484°_3$	0.19			0.008	1
3415.548	20	29269.48	20174_0 – $49443°_1$	–0.02			0.008	1
3415.908	5	29266.40	13307_1 – $42573°_1$	0.01			0.008	1
3417.508	6	29252.70	13348_3 – $42601°_3$	0.07			0.008	1
3418.07	2	29247.9	19826_5 – $49073°_5$	0.1			0.008	1
3418.241	10	29246.42	16431_4 – $45677°_3$	0.04			0.008	1
3418.456	20	29244.59	19827_3 – $49072°_3$	0.13			0.008	1
3419.170	3	29238.48	28233_5 – $57471°_4$	0.12			0.008	1
3419.277	30	29237.56	24610_3 – $53848°_4$	–0.19			0.008	1
			$23047°_3$ – 52284_3	0.11				1
3420.075	3	29230.74	17701_3 – $46931°_4$	0.08			0.008	1
3420.348	25	29228.41	22852_4 – $52081°_5$	0.12			0.008	1
3421.216	3	29221.00	18116_2 – $47337°_2$	0.05			0.008	1
3422.415	100	29210.76	$24763°_4$ – 53974_5	0.05			0.008	1
3422.849	8	29207.05	22852_4 – $52059°_4$	0.07			0.008	1
3423.110	1	29204.83					0.008	1
3423.293	20	29203.27	18280_2 – $47483°_3$	0.07			0.008	1
3423.834	10	29198.65	23455_1 – $52653°_2$	0.09			0.008	1
3424.127	3	29196.15	18974_3 – $48170°_3$	0.11			0.008	1
3424.816	10	29190.28					0.008	1
3424.909	5	29189.49					0.008	1
3425.044	10	29188.34	23930_3 – $53118°_4$	0.13			0.008	1
3425.538	25	29184.13	13348_3 – $42532°_4$	0.07			0.008	1
3426.881	8	29172.69	18082_1 – $47255°_1$	–0.03			0.008	1
3427.580	20	29166.74					0.008	1
3427.710	80	29165.63	13348_3 – $42514°_3$	0.05			0.008	1
3428.131	12	29162.05	18280_2 – $47442°_2$	0.00			0.008	1
3428.530	6	29158.66					0.008	1
3429.128	2	29153.57	$24763°_4$ – 53916_3	0.06			0.008	1
3429.592	100	29149.63	19535_5 – $48684°_6$	–0.04			0.008	1
3430.255	30	29144.00	$26189°_3$ – 55333_4	0.08			0.008	1
3430.426	15	29142.54	13307_1 – $42449°_2$	0.04			0.008	1
3430.871	15	29138.76	18116_2 – $47255°_1$	0.05			0.008	1
3432.578	2	29124.27	28347_3 – $57471°_4$	0.07			0.008	1

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
3432.625	2	29123.87	22476_4 – $51600°_3$	0.03			0.008	1
3433.074	12	29120.07	16431_4 – $45551°_3$	0.06			0.008	1
3433.774	40	29114.13	4830_3 – $33944°_2$	0.07			0.008	1
3434.814	4	29105.31	17701_3 – $46806°_2$	0.04			0.008	1
3435.235	20	29101.75	13348_3 – $42450°_4$	0.07			0.008	1
3435.710	30	29097.73	17008_6 – $46106°_6$	0.03			0.008	1
3436.716	2	29089.21	20427_1 – $49517°_2$	–0.21			0.008	1
3437.133	6	29085.68	24789_2 – $53875°_1$	0.08			0.008	1
3437.574	4	29081.95	28233_5 – $57315°_4$	0.14			0.008	1
3437.654	2	29081.27	18280_2 – $47361°_3$	0.01			0.008	1
3438.191	20	29076.73	$21448°_2$ – 50525_2	0.14			0.008	1
3438.808	50	29071.51	$21453°_1$ – 50525_2	0.06			0.008	1
3438.954	15	29070.28	19256_4 – $48326°_3$	0.11			0.008	1
3439.372	10	29066.74	27213_4 – $56280°_5$	0.11			0.008	1
3439.542	3	29065.31	19253_2 – $48318°_2$	0.03			0.008	1
3439.991	15	29061.51					0.008	1
3440.340	5	29058.57	24610_3 – $53669°_2$	0.09			0.008	1
3440.426	6	29057.84					0.008	1
3440.482	4	29057.37	18280_2 – $47337°_2$	0.06			0.008	1
3441.31	2	29050.4	29853_4 – $58903°_5$	0.1			0.008	1
3441.962	25	29044.87	14976_2 – $44021°_3$	0.05			0.008	1
3442.311	8	29041.93	27213_4 – $56255°_4$	0.10			0.008	1
3442.998	80	29036.13	19648_6 – $48684°_6$	–0.01			0.008	1
3443.687	3	29030.33					0.008	1
3444.224	3	29025.80	31389_5 – $60414°_6$	0.05			0.008	1
3444.598	30	29022.65	$24763°_4$ – 53786_4	0.04			0.008	1
			23455_1 – $52477°_1$	0.10				1
3444.874	1	29020.32	16431_4 – $45451°_5$	–0.02			0.008	1
3445.395	15	29015.93	20427_1 – $49443°_1$	0.07			0.008	1
3445.710	30	29013.28	1670_1 – $30683°_1$	0.03			0.008	1
3446.888	12	29003.37	22852_4 – $51856°_4$	0.07			0.008	1
3447.566	2	28997.66	26861_2 – $55859°_1$	–0.02			0.008	1
3447.712	8	28996.43	18082_1 – $47079°_2$	–0.14			0.008	1
			22476_4 – $51473°_4$	0.07				1n
3447.984	15	28994.15	18974_3 – $47968°_4$	0.04			0.008	1
3448.208	40	28992.26	$23964°_2$ – 52956_1	0.01			0.008	1
3448.381	4	28990.81	19253_2 – $48244°_2$	0.08			0.008	1
3448.826	50	28987.07	15460_3 – $44447°_3$	0.06	6.3e+6	B	0.008	1w, 8t
3449.302	12	28983.07	20983_2 – $49966°_3$	0.06			0.008	1
3449.437	8	28981.93	27849_5 – $56831°_4$	0.06			0.008	1

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
3450.118	2	28976.21					0.008	1
3450.246	2	28975.14	18280_2 – $47255°_1$	0.07			0.008	1
3450.442	3	28973.49	26861_2 – $55835°_2$	0.01			0.008	1
3451.136	6	28967.67	28347_3 – $57315°_4$	0.02			0.008	1
3451.739	50	28962.61	18116_2 – $47079°_2$	0.05			0.008	1
3451.956	12	28960.79	27213_4 – $56174°_4$	–0.02			0.008	1
			23982_2 – $52943°_3$	0.11				1
3452.616	30	28955.25	13307_1 – $42262°_1$	0.05			0.008	1
3455.918	2	28927.58	28204_2 – $57131°_3$	0.00			0.008	1
3456.358	10	28923.90	17701_3 – $46625°_4$	0.03			0.008	1
3457.238	3	28916.54	14976_2 – $43892°_1$	0.10			0.008	1
3457.360	20	28915.52	28233_5 – $57148°_6$	–0.02			0.008	1
			15069_5 – $43985°_4$	0.04				1
3457.489	5	28914.44	19256_4 – $48170°_3$	0.13			0.008	1
3457.713	60	28912.57	3325_2 – $32238°_3$	0.08			0.008	1
3457.838	4	28911.52					0.008	1
3458.006	4	28910.12	28233_5 – $57143°_5$	0.08			0.008	1
3458.310	25	28907.58	15460_3 – $44367°_2$	0.09			0.008	1
3458.855	3	28903.02	13348_3 – $42251°_3$	0.07			0.008	1
3458.995	8	28901.85					0.008	1
3459.516	30	28897.50	6219_4 – $35116°_4$	0.05	2.04e+5	C	0.008	1w, 7t
3460.036	2	28893.16					0.008	1
3460.460	1	28889.62	$23047°_3$ – 51936_2	0.09			0.008	1
3461.012	2	28885.01					0.008	1
3461.354	15	28882.16	19256_4 – $48138°_5$	0.02			0.008	1
3461.642	2	28879.75	24789_2 – $53669°_2$	0.05			0.008	1
3461.802	15	28878.42	$27889°_4$ – 56768_5	0.04			0.008	1
3461.870	2	28877.85					0.008	1
3462.248	4	28874.70	14976_2 – $43850°_3$	0.04			0.008	1
3462.850	2	28869.68					0.008	1
3463.247	50	28866.37	2951_3 – $31817°_2$	0.03			0.008	1
3464.668	1	28854.53	15069_5 – $43924°_5$	0.21			0.008	1
3465.114	1	28850.82	29479_4 – $58330°_4$	0.01			0.008	1
3465.206	2	28850.05	19826_5 – $48676°_4$	0.01			0.008	1
3465.399	6	28848.44	19827_3 – $48676°_4$	0.04			0.008	1
3466.136	3	28842.31	20427_1 – $49270°_2$	–0.01			0.008	1
3466.407	6	28840.06	31389_5 – $60229°_5$	–0.04			0.008	1
3466.650	4	28838.03					0.008	1
3466.741	1	28837.28	30374_2 – $59211°_2$	0.01			0.008	1n
			29479_4 – $58316°_4$	0.14				1

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
3467.460	4	28831.30	16431_4 – $45262°_4$	0.06			0.008	1
3467.663	3	28829.61					0.008	1
3467.876	15	28827.84	9528_0 – $38355°_1$	0.06			0.008	1
3468.398	40	28823.50	13777_2 – $42601°_3$	0.02	2.83e+6	B	0.008	1w, 8t
3469.534	3	28814.06	22476_4 – $51290°_5$	0.01			0.008	1
3470.932	2	28802.46					0.008	1
3471.111	3	28800.97					0.008	1
3471.350	8	28798.99	18280_2 – $47079°_2$	0.07			0.008	1
3472.957	4	28785.67					0.008	1
3474.928	1	28769.34	31389_5 – $60158°_4$	0.10			0.008	1
3475.823	40	28761.93	17107_4 – $45869°_4$	–0.16			0.008	1
			12161_4 – $40923°_3$	0.06				1
3476.496	30	28756.36	28392_6 – $57148°_6$	0.08			0.008	1
3477.170	4	28750.79	28392_6 – $57143°_5$	0.01			0.008	1
3477.262	8	28750.03	12161_4 – $40911°_5$	0.01			0.008	1
3477.536	1	28747.76	22852_4 – $51600°_3$	0.04			0.008	1
3477.943	80	28744.40	$26676°_5$ – 55420_6	0.00			0.008	1
3478.702	4	28738.13					0.008	1
3478.906	8	28736.44	13777_2 – $42514°_3$	0.01			0.008	1
3479.121	5	28734.67	24610_3 – $53345°_3$	0.03			0.008	1
3480.405	1	28724.07	20427_1 – $49151°_2$	–0.03			0.008	1
3480.453	10	28723.67	18082_1 – $46806°_2$	0.05			0.008	1
3481.320	8	28716.52	20983_2 – $49699°_2$	–0.02			0.008	1
3481.520	1	28714.87	18974_3 – $47689°_4$	0.05			0.008	1
3481.816	40	28712.43	19256_4 – $47968°_4$	0.05			0.008	1
3482.428	2	28707.38	28291_3 – $56999°_2$	–0.04			0.008	1
3482.765	20	28704.60	$26676°_5$ – 55381_5	0.08			0.008	1
3483.60	1	28697.7	23455_1 – $52152°_2$	0.1			0.008	1
3484.580	2	28689.65	18116_2 – $46806°_2$	0.04			0.008	1
3485.208	2	28684.48	26861_2 – $55546°_3$	0.06			0.008	1n
			17701_3 – $46385°_3$	0.20				1
3485.278	15	28683.91	$27889°_4$ – 56573_5	0.05			0.008	1
3485.490	30	28682.16	17107_4 – $45789°_5$	0.03			0.008	1
3486.785	4	28671.51	13307_1 – $41978°_2$	–0.01			0.008	1
			15069_5 – $43741°_5$	0.07				1
3487.142	2	28668.57					0.008	1
3488.407	4	28658.18	13307_1 – $41965°_0$	0.04			0.008	1
3488.590	3	28656.67	$26676°_5$ – 55333_4	0.03			0.008	1
3489.12	1	28652.3	27849_5 – $56502°_4$	0.0			0.008	1
3489.280	20	28651.01	15069_5 – $43720°_4$	0.07			0.008	1

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
3491.38	2	28633.8	29853_4 – $58487°_3$	–0.1			0.008	1
3491.827	15	28630.11	13348_3 – $41978°_2$	0.05			0.008	1
3492.132	3	28627.61	24610_3 – $53238°_4$	0.08			0.008	1
3492.250	4	28626.64	17701_3 – $46327°_2$	0.07			0.008	1
3493.025	8	28620.29	22852_4 – $51473°_4$	0.05			0.008	1
3493.187	10	28618.96	18974_3 – $47593°_3$	0.03			0.008	1
3493.803	3	28613.92	20174_0 – $48788°_1$	0.06			0.008	1
3494.364	1	28609.33	23455_1 – $52064°_2$	0.27			0.008	1
3494.752	4	28606.15					0.008	1
3495.082	3	28603.45	19535_5 – $48138°_5$	0.08			0.008	1
3495.236	75	28602.19	19648_6 – $48250°_7$	0.03			0.008	1
3495.683	2	28598.53	28233_5 – $56831°_4$	0.30			0.008	1
3495.927	3	28596.53	23484_6 – $52081°_5$	0.22			0.008	1
3496.154	3	28594.68	19256_4 – $47850°_5$	0.08			0.008	1
3498.760	3	28573.38	23930_3 – $52503°_2$	0.05			0.008	1
3499.620	15	28566.36	19253_2 – $47819°_1$	–0.02			0.008	1
3500.272	40	28561.04	15460_3 – $44021°_3$	0.05			0.009	1
3500.905	3	28555.87	24789_2 – $53345°_3$	0.01			0.009	1
3502.88	2	28539.77	28291_3 – $56831°_4$	–0.02			0.009	1
3503.030	30	28538.55	14976_2 – $43514°_2$	0.05			0.009	1
3503.554	20	28534.28	20983_2 – $49517°_2$	0.04			0.009	1
3503.909	4	28531.39	20983_2 – $49514°_3$	0.07			0.009	1
3504.244	4	28528.67	26861_2 – $55390°_2$	0.15			0.009	1
3504.57	2	28526.0	18280_2 – $46806°_2$	0.0			0.009	1
3504.643	15	28525.42	15460_3 – $43985°_4$	0.02			0.009	1
3504.886	3	28523.44	13348_3 – $41871°_4$	0.06			0.009	1
3505.240	1	28520.56	23982_2 – $52503°_2$	–0.05			0.009	1
3505.897	2	28515.21	15460_3 – $43975°_2$	0.00			0.009	1
3506.634	20	28509.22	16431_4 – $44940°_4$	–0.04			0.009	1
			18974_3 – $47483°_3$	0.05				1
3506.85	3*w*	28507.47	24610_3 – $53118°_4$	0.06			0.009	1
3507.277	30	28503.99	12161_4 – $40665°_3$	0.10			0.009	1
3507.918	6	28498.79	19827_3 – $48326°_3$	0.06			0.009	1
3508.352	2*w*	28495.26	24789_2 – $53284°_2$	0.00			0.009	1
3508.732	40	28492.17	3325_2 – $31817°_2$	0.07			0.009	1
3508.849	8	28491.22	19827_3 – $48318°_2$	0.06			0.009	1
3509.011	20	28489.91	19648_6 – $48138°_5$	0.07			0.009	1
3509.374	3	28486.96	22773_0 – $51260°_1$	0.06			0.009	1
3509.661	10	28484.63	13777_2 – $42262°_1$	0.04			0.009	1
3510.025	200	28481.68	2951_3 – $31432°_4$	0.06	5.2e+5	B	0.009	1w, 7t

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
3511.666	3	28468.37	$26189°_3$ – 54657_3	0.01			0.009	1
3511.718	3	28467.95	18974_3 – $47442°_2$	–0.07			0.009	1
3512.613	8	28460.70	20983_2 – $49443°_1$	0.02			0.009	1
3512.911	3	28458.28	29460_7 – $57919°_6$	0.09			0.009	1
3513.51	2	28453.43	28898_2 – $57352°_3$	0.07			0.009	1
3514.196	3	28447.88					0.009	1
3514.633	6	28444.34	17107_4 – $45551°_3$	0.03			0.009	1
3514.775	8	28443.19	17008_6 – $45451°_5$	0.04			0.009	1
3515.797	6	28434.92	20983_2 – $49417°_3$	0.04			0.009	1
3515.955	12	28433.64	19535_5 – $47968°_4$	0.03			0.009	1
3516.018	3	28433.13	19256_4 – $47689°_4$	0.04			0.009	1
3516.352	1	28430.43	27849_5 – $56280°_5$	–0.22			0.009	1
3516.771	10	28427.05	13307_1 – $41734°_2$	0.02			0.009	1
3517.502	30	28421.14	12161_4 – $40583°_4$	0.03			0.009	1
3518.055	5	28416.67	19827_3 – $48244°_2$	0.06			0.009	1
3518.473	40	28413.30	6219_4 – $34632°_4$	0.03			0.009	1
3519.394	3	28405.86	27849_5 – $56255°_4$	0.01			0.009	1
3520.374	1	28397.95	28392_6 – $56790°_7$	0.05			0.009	1
3521.014	1	28392.80	24610_3 – $53003°_2$	–0.04			0.009	1
3521.706	20	28387.21	18974_3 – $47361°_3$	–0.02			0.009	1
3521.907	40	28385.59	13348_3 – $41734°_2$	0.02	5.7e+6	C	0.009	1w, 8t
3522.367	3	28381.89	24610_3 – $52992°_4$	0.08			0.009	1
3523.446	3	28373.19	29430_3 – $57803°_4$	0.03			0.009	1n, 3
3524.236	15	28366.83	17701_3 – $46068°_3$	–0.01			0.009	1
3524.674	6	28363.31	18974_3 – $47337°_2$	0.03			0.009	1
3525.050	2	28360.28	20427_1 – $48788°_1$	0.06			0.009	1
3526.850	30	28345.81	13348_3 – $41694°_3$	0.03	2.7e+6	C	0.009	1w, 8t
3526.995	30	28344.64	17107_4 – $45451°_5$	0.00			0.009	1
3527.210	6	28342.92	19827_3 – $48170°_3$	0.05			0.009	1
3527.588	8	28339.88	19253_2 – $47593°_3$	0.00			0.009	1
3527.920	10	28337.21	19256_4 – $47593°_3$	0.01			0.009	1
3528.490	6	28332.64	24610_3 – $52943°_3$	0.04			0.009	1
3528.897	5	28329.37	22476_4 – $50806°_5$	–0.02			0.009	1
3529.350	6	28325.73	23930_3 – $52255°_3$	0.01			0.009	1
			29853_4 – $58179°_5$	0.01				1
3529.594	10	28323.77	22476_4 – $50800°_3$	0.01			0.009	1
3529.955	3	28320.88					0.009	1
3530.581	8	28315.86	19535_5 – $47850°_5$	0.03			0.009	1
3530.754	20	28314.47	12161_4 – $40476°_5$	0.01			0.009	1
3531.018	12	28312.35	19826_5 – $48138°_5$	0.01			0.009	1

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
3531.126	6	28311.49	4830_3 – $33141°_2$	0.11	3.18e+4	D	0.009	1w, 7t
3533.80	1*w*	28290.06	$26367°_2$ – 54657_3	–0.22			0.009	1
3533.922	1	28289.09					0.009	1
3534.165	4	28287.14	20983_2 – $49270°_2$	0.00			0.009	1
3534.543	1	28284.12	31389_5 – $59673°_5$	–0.12			0.009	1
3535.254	3	28278.43	28720_1 – $56999°_2$	0.01			0.009	1
			27213_4 – $55492°_5$	0.03				1
3535.539	100	28276.15	13307_1 – $41583°_2$	0.05	7.6e+6	C	0.009	1w, 8t
3536.024	2	28272.27					0.009	1
3536.486	6	28268.58	28233_5 – $56502°_4$	–0.08			0.009	1
			18116_2 – $46385°_3$	–0.04				1
3537.156	2	28263.22					0.009	1
3537.446	80	28260.91	15460_3 – $43720°_4$	0.05			0.009	1
3538.626	15	28251.48	14976_2 – $43227°_2$	0.00			0.009	1
3539.323	8	28245.92	9528_0 – $37773°_1$	0.02			0.009	1
3539.455	3	28244.87	18082_1 – $46327°_2$	–0.05			0.009	1
3539.588	5	28243.80					0.009	1
3539.88	1	28241.47	27213_4 – $55455°_5$	–0.06			0.009	1
3539.924	10	28241.12	14976_2 – $43217°_1$	–0.03			0.009	1
3540.206	2	28238.87	23455_1 – $51693°_2$	0.04			0.009	1
3540.734	20	28234.66	13348_3 – $41583°_2$	0.02			0.009	1
3540.86	2*w*	28233.66					0.009	1
3540.96	1	28232.86	28898_2 – $57131°_3$	0.04			0.009	1
3541.307	2	28230.09	19253_2 – $47483°_3$	–0.03			0.009	1
3541.639	25	28227.45	19256_4 – $47483°_3$	0.01			0.009	1
3542.268	1	28222.44	23930_3 – $52152°_2$	–0.10			0.009	1
			26861_2 – $55084°_2$	0.06				1n
3542.647	6	28219.42	22852_4 – $51072°_3$	0.04			0.009	1
3543.106	8	28215.76	20174_0 – $48389°_1$	0.00			0.009	1
3543.325	1	28214.02	24789_2 – $53003°_2$	–0.04			0.009	1
3543.710	12	28210.95	18116_2 – $46327°_2$	0.04			0.009	1
3543.98	4	28208.8	18082_1 – $46291°_1$	0.0			0.009	1
3544.16	2	28207.37	$21448°_2$ – 49656_3	0.09			0.009	1
3544.79	12	28202.36	19648_6 – $47850°_5$	0.06			0.009	1
3544.973	12	28200.90	13777_2 – $41978°_2$	–0.01			0.009	1
3545.220	200	28198.94	0_0 – $28198°_1$	0.04	3.2e+6	B	0.009	1w, 7t
3545.623	4	28195.73	24610_3 – $52806°_3$	0.05			0.009	1
3546.354	4	28189.92					0.009	1
3546.474	3	28188.97	19253_2 – $47442°_2$	0.00			0.009	1
3547.00	1	28184.79	33291_6 – $61476°_5$	–0.01			0.009	1

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
3547.466	15	28181.08	15069_5 – $43251°_4$	0.01			0.009	1
3548.160	3	28175.57	20427_1 – $48603°_0$	–0.03			0.009	1
			27213_4 – $55389°_3$	0.09				1
3548.258	15	28174.79	18116_2 – $46291°_1$	0.00			0.009	1
3548.75	2*w*	28170.9	26861_2 – $55032°_2$	–0.1			0.009	1
3549.60	3	28164.14					0.009	1
3550.682	20	28155.56	17107_4 – $45262°_4$	0.02			0.009	1
3550.838	40	28154.32	19535_5 – $47689°_4$	0.00			0.009	1
3551.024	30	28152.85					0.009	1
3551.142	2	28151.91	23455_1 – $51606°_2$	0.15			0.009	1
3551.268	10	28150.91	13348_3 – $41499°_3$	0.04			0.009	1
3552.320	8	28142.58	19826_5 – $47968°_4$	0.00			0.009	1
3552.883	3*w*	28138.12	27849_5 – $55987°_5$	0.02			0.009	1
3553.303	2	28134.79	6219_4 – $34354°_3$	0.04	1.1e+4	D	0.009	1w, 7t
3554.02	2	28129.12					0.009	1
3554.206	100	28127.64	4830_3 – $32957°_3$	0.06			0.009	1
3554.325	3	28126.70					0.009	1
3555.746	15	28115.46	16431_4 – $44546°_5$	0.01			0.009	1
3556.01	1	28113.37	30374_2 – $58487°_3$	0.05			0.009	1
3556.676	2	28108.11	19253_2 – $47361°_3$	–0.07			0.009	1
3556.764	3	28107.42	12161_4 – $40269°_3$	0.03			0.009	1
3557.008	6	28105.49	19256_4 – $47361°_3$	–0.01			0.009	1
3557.08	2	28104.92	18280_2 – $46385°_3$	–0.06			0.009	1
			18974_3 – $47079°_2$	0.03				1
3557.203	40	28103.95	19256_4 – $47360°_4$	0.00			0.009	1
3558.226	2	28095.87	24789_2 – $52885°_2$	0.03			0.009	1
3558.571	3*w*	28093.14	$23964°_2$ – 52057_1	0.01			0.009	1
3559.080	6	28089.12	20983_2 – $49072°_3$	0.00			0.009	1
3559.44	3	28086.28					0.009	1
3559.59	*wl*	28085.10	23930_3 – $52015°_3$	–0.10			0.009	1
3559.702	25	28084.22	19253_2 – $47337°_2$	–0.01			0.009	1
3560.060	12	28081.39	29479_4 – $57560°_5$	–0.12			0.009	1
			23982_2 – $52064°_2$	0.11				1
3560.30	2	28079.5	26861_2 – $54941°_1$	0.1			0.009	1
3561.244	12	28072.06	12161_4 – $40233°_4$	0.05			0.009	1
3563.444	40	28054.73	15460_3 – $43514°_2$	0.06			0.009	1
3564.41	2	28047.12	18280_2 – $46327°_2$	–0.15			0.009	1
			28233_5 – $56280°_5$	0.11				1
3565.146	10	28041.33	22852_4 – $50894°_3$	0.01			0.009	1
3565.609	12	28037.69	$23964°_2$ – 52002_3	0.11			0.009	1

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
3567.245	10	28024.83	19826_5 – $47850°_5$	0.03			0.009	1
3567.64	3	28021.73	18082_1 – $46104°_1$	–0.06			0.009	1
3567.68	5	28021.42	31389_5 – $59410°_6$	–0.02			0.009	1
3568.036	60	28018.62	15460_3 – $43478°_3$	0.05			0.009	1
3568.404	12	28015.73	16431_4 – $44447°_3$	0.02			0.009	1
3568.618	3	28014.05	$20064°_1$ – 48078_2	0.03			0.009	1
3568.85	2	28012.23					0.009	1
3568.983	20	28011.19	18280_2 – $46291°_1$	0.04			0.009	1
3569.16	12	28009.80	17107_4 – $45116°_4$	0.04			0.009	1
3569.222	15	28009.31	6219_4 – $34228°_3$	0.04			0.009	1
3569.577	20	28006.53	19535_5 – $47541°_6$	–0.02			0.009	1
3570.17	1	28001.87	19253_2 – $47255°_1$	–0.12			0.009	1
3570.648	150	27998.13	4830_3 – $32828°_4$	0.01			0.009	1
			3325_2 – $31323°_1$	0.18				1
3571.034	6	27995.10					0.009	1
3571.166	3	27994.07					0.009	1
3571.362	2*w*	27992.53	29479_4 – $57471°_4$	0.05			0.009	1
3571.972	3	27987.75	18116_2 – $46104°_1$	–0.03			0.009	1
3573.410	50	27976.49	17701_3 – $45677°_3$	–0.02			0.009	1
3573.960	8	27972.18	$23964°_2$ – 51936_2	0.01			0.009	1
3575.220	80	27962.32	17008_6 – $44970°_7$	0.00			0.009	1
3575.34	3	27961.38					0.009	1
3575.852	15	27957.38	18974_3 – $46931°_4$	0.05			0.009	1
3575.968	60	27956.47	13777_2 – $41734°_2$	0.05	6.2e+6	C	0.009	1w, 8t
3576.370	10	27953.33	22852_4 – $50806°_5$	0.06			0.009	1
3576.87	1	27949.42	27670_1 – $55619°_2$	0.24			0.009	1
3577.088	2	27947.72	22852_4 – $50800°_3$	0.08			0.009	1
3578.011	2	27940.51	32217_3 – $60158°_4$	0.10			0.009	1n, 3
3578.490	3*w*	27936.77					0.009	1
3579.86	4	27926.08	23930_3 – $51856°_4$	0.06			0.009	1
3580.40	2	27921.87	29430_3 – $57352°_3$	0.05			0.009	1n, 3
3581.062	12	27916.71	13777_2 – $41694°_3$	0.08			0.009	1
3581.222	30	27915.46	17008_6 – $44923°_6$	0.06			0.009	1
3582.233	25	27907.58	17107_4 – $45014°_3$	0.05			0.009	1
3582.638	3	27904.43	28204_2 – $56108°_3$	0.19			0.009	1
3582.898	10	27902.40	6219_4 – $34121°_4$	0.05	1.97e+4	D	0.009	1w, 7t
3584.094	50	27893.09	19648_6 – $47541°_6$	0.07			0.009	1
3584.333	3*w*	27891.23	20427_1 – $48318°_2$	0.23			0.009	1
3584.771	8	27887.82	28392_6 – $56280°_5$	0.07			0.009	1
3585.05	2	27885.65					0.009	1

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
3585.91	2	27879.0	29853_4 – $57732°_3$	0.2			0.009	1
3586.475	1*w*	27874.57	31389_5 – $59263°_5$	0.02			0.009	1
3587.922	8	27863.33	19826_5 – $47689°_4$	0.04			0.009	1
3588.134	5	27861.69	19827_3 – $47689°_4$	0.04			0.009	1
3589.624	8	27850.12	17701_3 – $45551°_3$	–0.02			0.009	1
3589.692	10	27849.59	13348_3 – $41198°_4$	0.01			0.009	1
3590.822	60	27840.83	15069_5 – $42910°_4$	0.02			0.009	1
3591.340	6	27836.82	20427_1 – $48264°_0$	0.04			0.009	1
3591.45	4	27835.96	29479_4 – $57315°_4$	0.03			0.009	1
3591.765	15	27833.52	17107_4 – $44940°_4$	–0.04			0.009	1
3591.968	15	27831.95	18974_3 – $46806°_2$	0.01			0.009	1
3592.274	2	27829.58	27213_4 – $55043°_4$	0.06			0.009	1
3592.79	3	27825.58	24610_3 – $52436°_4$	0.02			0.009	1
3592.846	8	27825.15	19535_5 – $47360°_4$	–0.03			0.009	1
3592.975	10	27824.15	18280_2 – $46104°_1$	0.01			0.009	1
3593.482	2	27820.22	13307_1 – $41127°_0$	–0.06			0.009	1
3593.555	8	27819.66	18082_1 – $45902°_2$	0.01			0.009	1
3593.73	2*w*	27818.3	28898_2 – $56717°_3$	0.1			0.009	1
3593.966	30	27816.48	20427_1 – $48244°_2$	0.03			0.009	1
3594.525	25	27812.15	23484_6 – $51296°_7$	0.01			0.009	1
3595.055	1*w*	27808.05	22476_4 – $50284°_4$	0.09			0.009	1
3595.32	2	27806.0	23484_6 – $51290°_5$	0.0			0.009	1
3595.382	15	27805.52	13777_2 – $41583°_2$	0.03			0.009	1
3595.440	8	27805.07	20983_2 – $48788°_1$	0.03			0.009	1
3596.428	12	27797.43	13307_1 – $41104°_2$	0.01			0.009	1
3596.601	8	27796.10	15069_5 – $42866°_5$	0.03			0.009	1
3596.69	2	27795.4	27213_4 – $55009°_5$	0.0			0.009	1
3597.260	40	27791.01	15460_3 – $43251°_4$	0.02			0.009	1
3597.710	15	27787.53	18280_2 – $46068°_3$	–0.01			0.009	1
3597.956	8	27785.63	18116_2 – $45902°_2$	–0.01			0.009	1
3598.12	2	27784.4					0.009	1
3598.874	40	27778.54	0_0 – $27778°_1$	0.04	9.7e+4	C	0.009	1w, 7t
3599.173	3	27776.24	$28797°_4$ – 56573_5	–0.06			0.009	1
3600.287	10	27767.64	15460_3 – $43227°_2$	–0.01			0.009	1
3600.532	2	27765.75	19827_3 – $47593°_3$	–0.01			0.009	1
3600.783	3	27763.82	23930_3 – $51693°_2$	0.05			0.009	1
3601.164	2	27760.88	28347_3 – $56108°_3$	0.04			0.009	1
3601.796	5	27756.01	13348_3 – $41104°_2$	0.05			0.009	1
3602.00	1	27754.43	28233_5 – $55987°_5$	–0.03			0.009	1
3603.907	10	27739.75	31389_5 – $59128°_6$	0.03			0.009	1

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
3606.063	150	27723.16	$1670_1 - 29393°_2$	0.05	9.6e+5	B	0.009	1w, 7t
3606.249	12	27721.74	$13777_2 - 41499°_3$	0.02			0.009	1
3606.333	10	27721.09	$17701_3 - 45422°_2$	0.01			0.009	1
3607.059	80	27715.51	$19826_5 - 47541°_6$	–0.01			0.009	1
3607.898	4	27709.07	$22476_4 - 50185°_3$	0.05			0.009	1
3608.146	2	27707.16	$29853_4 - 57560°_5$	–0.01			0.009	1
3608.904	4	27701.34	$29430_3 - 57131°_3$	0.06			0.009	1n, 3
3609.348	2	27697.93	$27213_4 - 54911°_4$	0.14			0.009	1
3609.443	3	27697.20					0.009	1
3609.952	3	27693.30					0.009	1
3610.421	2	27689.70	$28347_3 - 56037°_2$	0.02			0.009	1
3610.634	2	27688.07	$29460_7 - 57148°_6$	0.07			0.009	1
3610.75	1	27687.18	$26229°_2 - 53916_3$	0.05			0.009	1
3611.956	1w	27677.93	$18082_1 - 45760°_1$	–0.04			0.009	1
3612.27	1	27675.5	$19256_4 - 46931°_4$	–0.1			0.009	1
3612.70	2	27672.2					0.009	1
3612.947	1	27670.34	$23930_3 - 51600°_3$	–0.10			0.009	1
3614.24	3	27660.44					0.009	1
3614.798	15w	27656.17	$19827_3 - 47483°_3$	0.17			0.009	1
3615.124	2	27653.68					0.009	1
3615.536	10	27650.53	$18974_3 - 46625°_4$	–0.01			0.009	1
3616.155	5w	27645.80	$20174_0 - 47819°_1$	0.06			0.009	1
3616.398	8	27643.94	$18116_2 - 45760°_1$	–0.02			0.009	1
3616.595	3	27642.43	$27849_5 - 55492°_5$	0.01			0.009	1
3617.104	4w	27638.54					0.009	1
3617.515	500	27635.40	$2951_3 - 30586°_3$	0.05	1.1e+7	B	0.009	1w, 7t
3618.103	2	27630.91	$28204_2 - 55835°_2$	–0.01			0.009	1
3618.877	5	27625.00	$14976_2 - 42601°_3$	–0.01			0.009	1
3619.269	25	27622.01	$18280_2 - 45902°_2$	0.01			0.009	1
3620.20	1w	27614.91	$19827_3 - 47442°_2$	0.06			0.009	1
3620.282	1	27614.28	$28233_5 - 55847°_6$	0.04			0.009	1
3621.128	4	27607.83	$28347_3 - 55955°_4$	0.07			0.009	1
3621.422	3	27605.59	$27849_5 - 55455°_5$	0.04			0.009	1
3622.104	3	27600.39					0.009	1
3622.337	60	27598.62	$19256_4 - 46854°_5$	0.06			0.009	1
3622.506	20	27597.33	$14976_2 - 42573°_1$	0.02			0.009	1
3622.584	1	27596.74	$26189°_3 - 53786_4$	–0.06			0.009	1
3623.509	30	27589.69	$16431_4 - 44021°_3$	0.00			0.009	1
3624.058	2	27585.51	$28898_2 - 56484°_3$	0.14			0.009	1
3625.059	2	27577.90	$31077_2 - 58655°_2$	–0.02			0.009	1n, 3

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
3625.398	60	27575.32	13348_3 – $40923°_3$	0.05			0.009	1
3627.132	2	27562.13	28233_5 – $55795°_5$	0.09			0.009	1
3627.237	80	27561.34	17701_3 – $45262°_4$	–0.03			0.009	1
			13307_1 – $40868°_2$	0.04				1
3627.611	2	27558.50	32826_3 – $60385°_4$	0.04			0.009	1n, 3
3627.673	2	27558.02	12161_4 – $39719°_4$	0.02			0.009	1
3628.348	1	27552.90	19253_2 – $46806°_2$	0.01			0.009	1
3629.660	2	27542.94	23930_3 – $51473°_4$	–0.02			0.009	1
3629.817	3	27541.75	24610_3 – $52152°_2$	0.01			0.009	1
3630.317	50	27537.95	14976_2 – $42514°_3$	–0.01			0.009	1
3630.447	2	27536.97					0.009	1
3630.819	60	27534.15	19826_5 – $47360°_4$	0.00			0.009	1
3631.038	3	27532.49	19827_3 – $47360°_4$	–0.02			0.009	1
3631.649	2	27527.85					0.009	1
3631.943	200	27525.62	1670_1 – $29195°_2$	0.07	1.3e+6	B	0.009	1w, 7t
3632.704	30	27519.86	13348_3 – $40868°_2$	0.02			0.009	1
3633.569	5	27513.31	26861_2 – $54374°_1$	0.15			0.009	1
3634.02	1	27509.9	19827_3 – $47337°_2$	–0.2			0.009	1
3634.554	2	27505.85					0.009	1
3635.256	3*w*	27500.54					0.009	1
3636.478	3	27491.30	$27889°_4$ – 55381_5	–0.02			0.009	1
3636.726	10	27489.42	22476_4 – $49966°_3$	0.07			0.009	1
3636.962	2	27487.64	28347_3 – $55835°_2$	0.12			0.009	1
3637.380	60	27484.48	12161_4 – $39646°_3$	0.03			0.009	1
3637.932	8	27480.31	18280_2 – $45760°_1$	–0.01			0.009	1
3638.35	2	27477.15					0.009	1
3638.53	2	27475.8					0.009	1
3639.371	2	27469.45					0.009	1
3640.134	40	27463.69	13307_1 – $40770°_1$	0.01			0.009	1
3640.266	6	27462.69	15069_5 – $42532°_4$	0.00			0.009	1
3640.412	2	27461.59	29853_4 – $57315°_4$	0.00			0.009	1
3640.641	2	27459.86	31389_5 – $58848°_4$	0.04			0.009	1
3641.259	10	27455.20	28392_6 – $55847°_6$	0.22			0.009	1
3641.664	2	27452.15	12161_4 – $39614°_5$	0.06			0.009	1
3641.848	20	27450.76	15460_3 – $42910°_4$	0.03			0.009	1
3642.095	8	27448.90	24610_3 – $52059°_4$	0.00			0.009	1
3642.813	20	27443.49	$27889°_4$ – 55333_4	0.05			0.009	1
3643.310	10	27439.75	17107_4 – $44546°_5$	0.00			0.009	1
3644.002	4	27434.54	18116_2 – $45551°_3$	0.06			0.009	1
3644.360	3	27431.84	22852_4 – $50284°_4$	0.00			0.009	1

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
3645.992	3	27419.56	16431_4 – $43850°_3$	0.03			0.009	1
3646.517	20	27415.62	17701_3 – $45116°_4$	0.03			0.009	1
3647.138	8	27410.95	18974_3 – $46385°_3$	0.00			0.009	1
3647.522	40	27408.06	4830_3 – $32238°_3$	0.04			0.009	1
3647.661	15	27407.02	20983_2 – $48389°_1$	0.08			0.009	1
3648.004	1	27404.44	24610_3 – $52015°_3$	0.04			0.009	1
3648.213	2	27402.87	28392_6 – $55795°_5$	0.09			0.009	1
3649.016	15	27396.84	19535_5 – $46931°_4$	0.01			0.009	1
3649.230	3*w*	27395.23					0.009	1
3650.089	8	27388.79	31389_5 – $58777°_4$	0.07			0.009	1
3650.997	60	27381.98	17008_6 – $44390°_6$	0.06			0.009	1
3651.222	2	27380.29	15069_5 – $42450°_4$	–0.02			0.009	1
3651.471	2	27378.42					0.009	1
3652.752	5	27368.82	19256_4 – $46625°_4$	0.01			0.009	1
3653.05	2	27366.6					0.009	1
3653.14	2	27365.9					0.009	1
3653.525	4	27363.03	24789_2 – $52152°_2$	0.07			0.009	1
3654.194	100	27358.02	3325_2 – $30683°_1$	0.01			0.009	1
3654.441	2	27356.17					0.009	1
3654.952	1	27352.35	29479_4 – $56831°_4$	0.00			0.009	1
3655.128	8*w*	27351.03					0.009	1
3655.64	2	27347.2					0.009	1
3656.150	6*w*	27343.38	20983_2 – $48326°_3$	–0.01			0.009	1
3656.677	15	27339.44	18082_1 – $45422°_2$	0.01			0.009	1
3657.207	3	27335.48	20983_2 – $48318°_2$	–0.34			0.009	1
3658.07	2	27329.03					0.009	1
3658.362	10	27326.85	13777_2 – $41104°_2$	0.04			0.009	1
3659.308	10	27319.79	19535_5 – $46854°_5$	0.00			0.009	1
3659.354	3	27319.44					0.009	1
3659.56	8*w*	27317.9	17701_3 – $45019°_2$	0.1			0.009	1
3660.165	25	27313.39	17701_3 – $45014°_3$	0.03			0.009	1
3660.359	20	27311.94	22476_4 – $49788°_4$	0.04			0.009	1
3660.604	30	27310.12	16431_4 – $43741°_5$	0.06			0.009	1
3661.228	5	27305.46	18116_2 – $45422°_2$	0.04			0.009	1
3662.207	1	27298.16	28392_6 – $55690°_7$	0.04			0.009	1
3662.281	2	27297.61	$26676°_5$ – 53974_5	–0.01			0.009	1
3662.586	3	27295.34					0.009	1
3662.669	2	27294.72					0.009	1
3663.144	30	27291.18	18082_1 – $45374°_1$	0.01			0.009	1
3663.353	100	27289.62	16431_4 – $43720°_4$	0.06			0.009	1

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
3663.696	3	27287.07					0.009	1
3663.821	20	27286.14	14976_2 – $42262°_1$	0.02			0.009	1
3664.821	2	27278.70					0.009	1
3664.888	1	27278.20	29853_4 – $57131°_3$	0.08			0.009	1
3664.953	2	27277.71	23982_2 – $51260°_1$	–0.17			0.009	1
3665.273	3	27275.33	14976_2 – $42251°_3$	0.00			0.009	1
3665.389	3	27274.47	24789_2 – $52064°_2$	0.05			0.009	1
3665.875	40	27270.85	18280_2 – $45551°_3$	0.01			0.009	1
3666.106	2	27269.13					0.009	1
3666.804	15	27263.94	23455_1 – $50718°_2$	0.06			0.009	1
3667.174	50	27261.19	3325_2 – $30586°_3$	0.08	1.0e+5	C	0.009	1w, 7t
3667.486	8	27258.87	28233_5 – $55492°_5$	0.09			0.009	1
3667.711	60	27257.20	18116_2 – $45374°_1$	0.04			0.009	1
3668.46	1	27251.63	19827_3 – $47079°_2$	–0.09			0.009	1
3668.658	60	27250.16	19256_4 – $46506°_5$	0.03	6.6e+6	B	0.009	1w, 8t
3669.323	6	27245.22	24610_3 – $51856°_4$	0.00			0.009	1
3669.64	2	27242.87					0.009	1
3670.108	2*w*	27239.40	17701_3 – $44940°_4$	0.01			0.009	1
3670.761	20	27234.55	13348_3 – $40583°_4$	0.04			0.009	1
3671.766	2	27227.10					0.009	1
3671.962	3	27225.64	24789_2 – $52015°_3$	0.02			0.009	1
3672.173	15	27224.08	18082_1 – $45306°_0$	0.02			0.009	1
3672.905	8*w*	27218.65					0.009	1
3672.961	1	27218.24					0.009	1
3673.164	2	27216.73					0.009	1
3674.131	3	27209.57	28898_2 – $56108°_3$	0.09			0.009	1
3674.19	2	27209.13					0.009	1
3674.575	50	27206.28	19648_6 – $46854°_5$	0.02			0.009	1
3675.554	80	27199.04	12161_4 – $39361°_5$	–0.01	1.20e+6	B	0.009	1w, 7t
3676.286	8	27193.62	27849_5 – $55043°_4$	0.08			0.009	1
3676.797	40	27189.84	$29643°_6$ – 56832_6	0.00			0.009	1
3677.112	3	27187.51	20983_2 – $48170°_3$	–0.02			0.009	1
3679.600	40	27169.13	15069_5 – $42239°_6$	0.00			0.009	1
3679.892	5*w*	27166.97					0.009	1
3680.448	2	27162.87					0.009	1
3680.710	2	27160.94					0.009	1
3680.854	4	27159.87	22476_4 – $49636°_4$	0.03			0.009	1
3680.920	4	27159.39	27849_5 – $55009°_5$	–0.03			0.009	1
3682.084	200	27150.80	6219_4 – $33370°_5$	0.09	2.0e+6	B	0.009	1w, 7t
3682.538	3	27147.45					0.009	1

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
3682.718	6	27146.13	$13777_2 - 40923°_3$	0.01			0.009	1
3683.296	40	27141.87	$18280_2 - 45422°_2$	0.09			0.009	1
3683.388	30	27141.19	$15460_3 - 42601°_3$	0.01			0.009	1
3683.930	60	27137.20	$19535_5 - 46672°_6$	–0.01			0.009	1
3684.650	40	27131.89	$19253_2 - 46385°_3$	–0.01			0.009	1
3685.010	35	27129.24	$19256_4 - 46385°_3$	0.02			0.009	1
3685.586	15	27125.00	$29643°_6 - 56768_5$	0.00			0.009	1
3686.994	3*w*	27114.65					0.009	1
3688.057	200	27106.83					0.009	1
3688.190	5	27105.85	$19826_5 - 46931°_4$	0.05			0.009	1
3688.414	20	27104.21	$19827_3 - 46931°_4$	0.05			0.009	1
3689.047	12	27099.56	$28392_6 - 55492°_5$	0.04			0.009	1
3689.333	2	27097.46	$28291_3 - 55389°_3$	0.04			0.009	1
3689.506	5	27096.19	$29460_7 - 56557°_7$	–0.03			0.009	1
3689.866	50	27093.54	$18974_3 - 46068°_3$	0.03			0.009	1
3690.248	50	27090.74	$13777_2 - 40868°_2$	0.05			0.009	1
3690.347	3	27090.01	$19535_5 - 46625°_4$	–0.03			0.009	1
3690.45	2	27089.25	$23982_2 - 51072°_3$	–0.13			0.009	1
3690.61	3	27088.08					0.009	1
3691.09	2	27084.56					0.009	1
3691.546	6	27081.21	$20174_0 - 47255°_1$	–0.14			0.009	1
3691.909	3	27078.55	$23455_1 - 50533°_1$	0.02			0.009	1
3692.332	2	27075.45					0.009	1
3692.49	2	27074.29	$19253_2 - 46327°_2$	0.10			0.009	1
3692.715	15	27072.64	$15460_3 - 42532°_4$	0.03			0.009	1
3693.668	2*w*	27065.65	$29460_7 - 56526°_6$	0.06			0.009	1
3694.07	3	27062.71	$28392_6 - 55455°_5$	0.06			0.009	1
3694.193	1	27061.81	$27849_5 - 54911°_4$	0.00			0.009	1
3694.500	40	27059.56	$29773°_5 - 56832_6$	0.00			0.009	1
3695.240	10	27054.14	$15460_3 - 42514°_3$	0.01			0.009	1
3695.665	2	27051.03	$26861_2 - 53912°_2$	0.12			0.009	1
3696.161	3	27047.40	$16431_4 - 43478°_3$	0.13			0.009	1
3696.808	3	27042.67	$28347_3 - 55390°_2$	0.11			0.009	1
3697.431	4	27038.11	$19253_2 - 46291°_1$	0.04			0.009	1
3697.483	4	27037.73	$22476_4 - 49514°_3$	0.07			0.009	1
3698.196	3	27032.52					0.009	1
3698.712	30	27028.75	$19826_5 - 46854°_5$	–0.01			0.009	1
3699.406	50	27023.67	$19648_6 - 46672°_6$	–0.01			0.009	1
3700.178	4*w*	27018.04					0.010	1
3700.642	8	27014.65	$20427_1 - 47442°_2$	–0.04			0.010	1

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
3700.929	2	27012.55					0.010	1
3702.310	50	27002.48	14976_2 – $41978°_2$	0.04	3.2e+6	C	0.010	1w, 8t
3702.832	3	26998.67	28347_3 – $55346°_4$	0.07			0.010	1
3703.202	6	26995.97	24610_3 – $51606°_2$	0.07			0.010	1
3703.323	10	26995.09	$27662°_2$ – 54657_3	0.05			0.010	1
3703.380	12	26994.68	$29773°_5$ – 56768_5	–0.04			0.010	1
3703.597	50	26993.10	13777_2 – $40770°_1$	0.03			0.010	1
3704.080	1	26989.58	15460_3 – $42449°_2$	–0.01			0.010	1
3704.339	8	26987.69	4830_3 – $31817°_2$	0.06			0.010	1
3704.790	60	26984.40	$23964°_2$ – 50949_1	0.00			0.010	1
3705.480	40	26979.38	23930_3 – $50909°_4$	–0.01			0.010	1
3705.585	2	26978.61	19827_3 – $46806°_2$	–0.16			0.010	1
3706.578	2	26971.40	19535_5 – $46506°_5$	0.04			0.010	1
3707.611	4w	26963.87	23930_3 – $50894°_3$	–0.17			0.010	1
3707.922	300	26961.61	2951_3 – $29912°_3$	0.05	2.9e+6	B	0.010	1w, 7t
3710.274	8	26944.52	23484_6 – $50429°_6$	0.12			0.010	1
3710.504	2	26942.85					0.010	1
3710.672	2w	26941.63	$23964°_2$ – 50906_1	0.10			0.010	1
3711.418	2	26936.21	18082_1 – $45019°_2$	0.02			0.010	1
3711.475	10	26935.80	22852_4 – $49788°_4$	0.02			0.010	1
3712.202	3	26930.53	$29643°_6$ – 56573_5	0.05			0.010	1
3714.232	30	26915.81	17008_6 – $43924°_5$	0.06			0.010	1
3714.842	30	26911.39	23982_2 – $50894°_3$	0.07			0.010	1
3715.034	40	26910.00	20427_1 – $47337°_2$	0.05			0.010	1
3715.696	4	26905.20	27213_4 – $54118°_4$	0.24			0.010	1
3715.832	5	26904.22	24789_2 – $51693°_2$	0.03			0.010	1
3715.912	4	26903.64	27213_4 – $54117°_3$	0.10			0.010	1
3716.722	30	26897.78	18116_2 – $45014°_3$	0.08			0.010	1
3717.082	30	26895.17	17701_3 – $44596°_2$	0.07			0.010	1
3717.160	20	26894.61	18974_3 – $45869°_4$	0.02			0.010	1
3718.676	4	26883.64	27849_5 – $54733°_6$	0.06			0.010	1
3718.962	2	26881.57					0.010	1
3719.391	100	26878.47	17107_4 – $43985°_4$	0.07			0.010	1
3720.504	40	26870.43	23930_3 – $50800°_3$	0.07			0.010	1
3721.732	4	26861.57					0.010	1
3722.235	60	26857.94	19648_6 – $46506°_5$	0.11	1.19e+7	B	0.010	1w, 8t
3723.862	8	26846.20	19826_5 – $46672°_6$	0.02			0.010	1
3725.153	15	26836.90	20983_2 – $47819°_1$	–0.02			0.010	1
3726.429	4	26827.71	20427_1 – $47255°_1$	0.00			0.010	1
3726.776	2	26825.22	29430_3 – $56255°_4$	0.07			0.010	1n, 3

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
3727.528	5	26819.80	16431_4 – $43251°_4$	0.11			0.010	1
3727.819	6	26817.71	23982_2 – $50800°_3$	0.07			0.010	1
3727.882	8	26817.25	17107_4 – $43924°_5$	0.01			0.010	1
3728.273	15	26814.44	19253_2 – $46068°_3$	–0.02			0.010	1
3729.195	8	26807.81	26861_2 – $53669°_2$	0.09			0.010	1
3729.990	5	26802.10	15069_5 – $41871°_4$	0.09			0.010	1
3730.251	3	26800.22	$29773°_5$ – 56573_5	0.02			0.010	1
3730.419	60	26799.02	19826_5 – $46625°_4$	0.01	1.16e+7	B	0.010	1w, 8t
3730.646	8	26797.39	19827_3 – $46625°_4$	0.02			0.010	1
3731.461	2	26791.53	15460_3 – $42251°_3$	0.03			0.010	1
3731.532	3	26791.02					0.010	1
3731.818	1	26788.97	23930_3 – $50718°_2$	0.15			0.010	1
3732.093	2	26787.00					0.010	1
3732.541	20	26783.78	22852_4 – $49636°_4$	0.06			0.010	1
3733.016	2	26780.37					0.010	1
3733.670	6	26775.68	28233_5 – $55009°_5$	–0.10			0.010	1
3734.030	3w	26773.10					0.010	1
3734.394	5w	26770.50					0.010	1
3734.757	4w	26767.90	$27889°_4$ – 54657_3	0.02			0.010	1
3735.142	4	26765.13					0.010	1
3735.530	5	26762.35					0.010	1
3735.938	3	26759.43					0.010	1
3736.141	8	26757.98	14976_2 – $41734°_2$	0.03			0.010	1
3736.348	5	26756.49					0.010	1
3736.762	4	26753.53					0.010	1
3737.200	4	26750.39					0.010	1
3737.346	2	26749.35	27670_1 – $54419°_1$	0.16			0.010	1
3737.636	3	26747.27					0.010	1
3737.838	10	26745.83	17701_3 – $44447°_3$	–0.01			0.010	1
3738.110	20	26743.88	17107_4 – $43850°_3$	0.05			0.010	1
3738.551	6	26740.73	28291_3 – $55032°_2$	–0.06			0.010	1
3738.888	25	26738.32	6219_4 – $32957°_3$	0.07			0.010	1
3739.024	4	26737.34					0.010	1
3739.481	40	26734.08	18280_2 – $45014°_3$	0.02			0.010	1
3739.996	3	26730.40					0.010	1
3740.502	5	26726.78					0.010	1
3741.016	4	26723.11					0.010	1
3741.182	8	26721.92					0.010	1
3741.338	2	26720.81	28898_2 – $55619°_2$	0.11			0.010	1
3741.540	2	26719.36					0.010	1

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
3741.706	30	26718.18	14976_2 – $41694°_3$	0.02	3.6e+6	C	0.010	1w, 8t
3742.076	3	26715.54					0.010	1
3742.601	15	26711.79					0.010	1
3742.676	20	26711.25	22476_4 – $49187°_5$	0.01			0.010	1
3743.177	4w	26707.68					0.010	1
3743.807	20	26703.19	18974_3 – $45677°_3$	0.01			0.010	1
3744.047	8	26701.47					0.010	1
3744.899	6w	26695.40	29479_4 – $56174°_4$	0.09			0.010	1
3745.886	2	26688.37					0.010	1
3745.961	1	26687.83					0.010	1
3746.063	4	26687.10					0.010	1
3746.344	1	26685.10	28347_3 – $55032°_2$	0.03			0.010	1
3746.734	3w	26682.32					0.010	1
3747.321	3	26678.15	28233_5 – $54911°_4$	–0.02			0.010	1
3747.448	8	26677.24					0.010	1
3747.581	3	26676.29					0.010	1
3747.953	1	26673.65					0.010	1
3748.027	2	26673.12					0.010	1
3748.285	5	26671.28	22476_4 – $49147°_4$	0.01			0.010	1
3748.475	4	26669.93	22773_0 – $49443°_1$	0.01			0.010	1
3748.610	2	26668.97	28720_1 – $55390°_2$	–0.31			0.010	1
3748.981	2	26666.33	17701_3 – $44367°_2$	0.01			0.010	1
3749.456	10	26662.95	13348_3 – $40011°_2$	0.01			0.010	1
3749.531	6	26662.42	9528_0 – $36190°_1$	–0.01			0.010	1
3749.655	50	26661.54	22852_4 – $49514°_3$	0.00			0.010	1
3749.935	2	26659.55	33569_4 – $60229°_5$	–0.10			0.010	1n, 3
3750.164	2	26657.92					0.010	1
3750.605	3	26654.80	28204_2 – $54859°_2$	–0.15			0.010	1
			31077_2 – $57732°_3$	0.14				1n
3750.69	2	26654.18	18082_1 – $44737°_1$	–0.20			0.010	1
3751.062	3	26651.54	20427_1 – $47079°_2$	–0.02			0.010	1
3751.422	20	26648.98	19253_2 – $45902°_2$	0.06	2.7e+6	C	0.010	1n, 8t
3751.688	2	26647.09	28898_2 – $55546°_3$	–0.01			0.010	1
3752.570	4	26640.83					0.010	1
3753.480	8	26634.37	17107_4 – $43741°_5$	0.01			0.010	1
3754.148	6	26629.63	$21448°_2$ – 48078_2	0.07			0.010	1
3754.872	10w	26624.50	$21453°_1$ – 48078_2	0.08			0.010	1
3755.450	4	26620.40	18116_2 – $44737°_1$	0.03			0.010	1
3755.532	4	26619.82	28291_3 – $54911°_4$	0.09			0.010	1
3756.372	10	26613.87	17107_4 – $43720°_4$	0.01			0.010	1

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
3756.867	10	26610.36	20983_2 – $47593°_3$	–0.06			0.010	1
3757.082	25	26608.84	6219_4 – $32828°_4$	0.05			0.010	1
			$23047°_3$ – 49656_3	0.11				1
3757.338	6	26607.02	14976_2 – $41583°_2$	0.00			0.010	1
3757.482	2	26606.00					0.010	1
3757.604	1	26605.14					0.010	1
3757.736	2	26604.21					0.010	1
3757.923	200	26602.88	4830_3 – $31432°_4$	–0.03			0.010	1
			16431_4 – $43034°_5$	0.09				1
3759.448	2*w*	26592.10					0.010	1
3759.678	2	26590.46					0.010	1
3760.126	200	26587.30	3325_2 – $29912°_3$	–0.02	1.99e+6	B	0.010	1w, 7t
3760.630	15	26583.73	$28797°_4$ – 55381_5	–0.03			0.010	1
3761.212	2	26579.62					0.010	1
3761.608	10	26576.82	18974_3 – $45551°_3$	0.01	6.2e+6	B	0.010	1w, 8t
3762.183	1	26572.76					0.010	1
3762.404	1	26571.20	19535_5 – $46106°_6$	0.01			0.010	1
3763.256	2	26565.18	22852_4 – $49417°_3$	0.08			0.010	1
3763.420	3	26564.03	28347_3 – $54911°_4$	0.02			0.010	1
3763.882	2	26560.77	$23964°_2$ – 50525_2	0.09			0.010	1
3763.974	2	26560.12					0.010	1
3764.312	20	26557.73	19827_3 – $46385°_3$	–0.05			0.010	1
3765.302	6	26550.75	23982_2 – $50533°_1$	0.00			0.010	1
3766.576	2	26541.77					0.010	1
3767.418	10	26535.84	$28797°_4$ – 55333_4	–0.04			0.010	1
3767.838	30	26532.88	19256_4 – $45789°_5$	–0.02			0.010	1
3768.122	2	26530.88					0.010	1
3768.447	250	26528.59	1670_1 – $28198°_1$	–0.02	3.47e+6	B	0.010	1w, 7t
3769.207	50	26523.24	14976_2 – $41499°_3$	–0.01	3.8e+6	B	0.010	1w, 8t
3769.536	1	26520.93					0.010	1
3769.860	50	26518.65	15460_3 – $41978°_2$	0.04	5.9e+6	B	0.010	1w, 8t
3769.992	2	26517.72					0.010	1
3770.320	2	26515.41					0.010	1
3770.598	6	26513.46	18082_1 – $44596°_2$	0.01			0.010	1
3771.492	2	26507.17	19253_2 – $45760°_1$	–0.07			0.010	1
3772.050	8	26503.25	28392_6 – $54895°_6$	–0.01			0.010	1
3772.420	10	26500.65	20983_2 – $47483°_3$	–0.01			0.010	1
3772.500	6	26500.09	19827_3 – $46327°_2$	0.02			0.010	1
3773.706	150	26491.62	13777_2 – $40269°_3$	–0.02			0.010	1
3774.460	3	26486.33					0.010	1

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
3774.800	2	26483.94	26861_2 – $53345°_3$	0.06			0.010	1
3775.442	15	26479.44	18116_2 – $44596°_2$	0.00			0.010	1
			16431_4 – $42910°_4$	0.01				1
3776.634	3*w*	26471.08	24789_2 – $51260°_1$	0.06			0.010	1
3776.990	2	26468.59					0.010	1
3778.144	10	26460.50	27849_5 – $54310°_5$	0.00			0.010	1
3778.550	20	26457.66	19648_6 – $46106°_6$	0.00			0.010	1
3778.686	30	26456.71	18280_2 – $44737°_1$	–0.02			0.010	1
3779.966	12	26447.75	18974_3 – $45422°_2$	0.00			0.010	1
3780.340	2	26445.13					0.010	1
3780.458	2	26444.31					0.010	1
3780.772	200	26442.11	2951_3 – $29393°_2$	0.00	4.2e+6	B	0.010	1w, 7t
3780.921	6	26441.07					0.010	1
3781.837	30	26434.67	16431_4 – $42866°_5$	–0.02			0.010	1
3782.680	15	26428.77	$27488°_3$ – 53916_3	–0.02			0.010	1
3782.966	2	26426.78	29853_4 – $56280°_5$	–0.01			0.010	1
3783.727	40	26421.46	19256_4 – $45677°_3$	0.01			0.010	1
3784.550	3	26415.72					0.010	1
3785.086	6	26411.97	15460_3 – $41871°_4$	0.04			0.010	1
3786.370	25	26403.02	17008_6 – $43411°_7$	0.02			0.010	1
3786.510	4	26402.04	29853_4 – $56255°_4$	0.05			0.010	1
3786.813	6	26399.93	13307_1 – $39707°_2$	0.01			0.010	1
3787.646	2*w*	26394.12	$20064°_1$ – 46458_1	0.12			0.010	1
3790.875	4	26371.64	17107_4 – $43478°_3$	0.07			0.010	1
3791.770	2	26365.42	26861_2 – $53227°_1$	0.03			0.010	1
3792.570	3	26359.86	$24763°_4$ – 51123_4	0.11			0.010	1
3792.759	100	26358.54	13348_3 – $39707°_2$	0.08			0.010	1
3793.311	12	26354.71	20983_2 – $47337°_2$	–0.06			0.010	1
3794.13	2	26349.02					0.010	1
3794.340	50	26347.56	15069_5 – $41417°_6$	–0.03			0.010	1
3796.282	20	26334.08	19535_5 – $45869°_4$	–0.01	1.7e+6	C	0.010	1w, 8t
3796.935	6	26329.55	13307_1 – $39636°_1$	0.03			0.010	1
3798.344	30	26319.79	17701_3 – $44021°_3$	–0.03			0.010	1
3798.48	2?	26318.85					0.010	1
3798.915	15	26315.83	18280_2 – $44596°_2$	0.03			0.010	1
3801.026	1	26301.22	$25983°_1$ – 52284_3	0.06			0.010	1
3801.165	2	26300.25					0.010	1
3801.405	2	26298.59	24610_3 – $50909°_4$	0.00			0.010	1
3801.512	30	26297.85	$27488°_3$ – 53786_4	–0.04			0.010	1
			13348_3 – $39646°_3$	0.00				1
			19253_2 – $45551°_3$	0.09				1

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
3801.909	40	26295.11	22852_4 – $49147°_4$	–0.04			0.010	1
			19256_4 – $45551°_3$	0.03				1
3802.053	3?	26294.11					0.010	1
3802.922	12	26288.10	18974_3 – $45262°_4$	0.06			0.010	1
3803.409	5	26284.74	18082_1 – $44367°_2$	0.07			0.010	1
3803.480	3	26284.25	17701_3 – $43985°_4$	0.02			0.010	1
3803.620	2	26283.28	24610_3 – $50894°_3$	0.04			0.010	1
3804.072	15	26280.16	19826_5 – $46106°_6$	0.00			0.010	1
3804.244	6	26278.97					0.010	1
3804.942	10	26274.15	15460_3 – $41734°_2$	0.03			0.010	1
			17701_3 – $43975°_2$	0.11				1
3805.446	8	26270.67	18082_1 – $44353°_1$	0.04			0.010	1
3806.308	2	26264.72	28291_3 – $54556°_3$	0.17			0.010	1
3807.622	6	26255.66	23930_3 – $50185°_3$	0.04			0.010	1
3807.840	5	26254.15	19535_5 – $45789°_5$	0.02			0.010	1
3808.90	2	26246.85					0.010	1
3809.220	150	26244.64	2951_3 – $29195°_2$	0.09	9.0e+5	B	0.010	1w, 7t
3809.848	15	26240.31	19827_3 – $46068°_3$	–0.03			0.010	1
3810.380	100	26236.65	18116_2 – $44353°_1$	0.03			0.010	1
3810.790	120	26233.83	13777_2 – $40011°_2$	0.04	6.6e+6	B	0.010	1w, 8t
3812.646	10	26221.06	22852_4 – $49073°_5$	–0.02			0.010	1
3812.896	4	26219.34	22852_4 – $49072°_3$	0.00			0.010	1
3814.418	5	26208.88	28347_3 – $54556°_3$	0.05			0.010	1
3815.026	3	26204.70	27670_1 – $53875°_1$	–0.08			0.010	1
3815.768	15	26199.61	$25983°_1$ – 52183_2	0.01			0.010	1
3816.386	40	26195.36	19256_4 – $45451°_5$	–0.05			0.010	1
3817.294	12?	26189.13	29430_3 – $55619°_2$	–0.03			0.010	1n
			$26189°_3$ – 52378_4	0.11				1
3817.480	400	26187.86	2951_3 – $29139°_3$	0.03	3.1e+6	B	0.010	1w, 7t
3817.760	2?	26185.94	20427_1 – $46613°_0$	0.08			0.010	1
3817.960	6	26184.56					0.010	1
3818.344	2*w*	26181.93					0.010	1
3818.576	4*w*	26180.34	26861_2 – $53042°_1$	–0.02			0.010	1
3819.040	2	26177.16					0.010	1
3819.402	2*w*	26174.68					0.010	1
3820.110	50	26169.83	16431_4 – $42601°_3$	–0.05	2.72e+6	B	0.010	1w, 8t
3823.062	3	26149.62	17701_3 – $43850°_3$	–0.04			0.010	1
3824.146	25	26142.21	18974_3 – $45116°_4$	–0.05			0.010	1
3824.388	60	26140.55	19648_6 – $45789°_5$	–0.05			0.010	1

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
3826.193	50	26128.22	14976_2 – $41104°_2$	–0.12			0.010	1
			15069_5 – $41198°_4$	0.01				1
3826.667	1	26125.00					0.010	1
3826.934	8	26123.16	15460_3 – $41583°_2$	–0.03			0.010	1
3827.344	10	26120.37	19253_2 – $45374°_1$	–0.07			0.010	1
3827.69	1*w*	26118.0					0.010	1
3827.788	2	26117.34	20174_0 – $46291°_1$	–0.09			0.010	1
3828.81	1	26110.36					0.010	1
3829.128	50	26108.20	1670_1 – $27778°_1$	–0.01	3.83e+5	C	0.010	1w, 7t
3829.690	2	26104.37	24789_2 – $50894°_3$	–0.09			0.010	1
3830.130	12*w*	26101.37	15069_5 – $41171°_6$	–0.14			0.010	1
			16431_4 – $42532°_4$	0.06				1
3830.714	20	26097.39	12161_4 – $38259°_4$	–0.05			0.010	1
3830.99	8*w*	26095.51	$26189°_3$ – 52284_3	–0.05			0.010	1
3832.247	8	26086.95	18280_2 – $44367°_2$	–0.07			0.010	1
3832.628	4	26084.35	$27889°_4$ – 53974_5	–0.07			0.010	1
3832.71	2	26083.8					0.010	1
3832.862	15	26082.76	16431_4 – $42514°_3$	–0.07			0.010	1
			31389_5 – $57471°_4$	0.04				1
3832.999	3	26081.83	26861_2 – $52943°_3$	–0.01			0.010	1
3834.040	15	26074.75	19827_3 – $45902°_2$	–0.05	3.8e+6	C	0.010	1w, 8t
3834.312	1	26072.9	18280_2 – $44353°_1$	–0.1			0.010	1
3834.612	3	26070.86					0.010	1
3834.735	4	26070.02	32135_4 – $58206°_3$	–0.04			0.010	1
3835.058	250	26067.83	3325_2 – $29393°_2$	–0.04	5.2e+6	B	0.010	1w, 7t
3835.31	2	26066.11					0.010	1
3835.523	2	26064.67					0.010	1
3835.890	8	26062.17	23455_1 – $49517°_2$	–0.07			0.010	1
3836.952	15	26054.96	$26229°_2$ – 52284_3	–0.03			0.010	1
3838.511	80	26044.38	18974_3 – $45019°_2$	–0.13			0.010	1
			12161_4 – $38206°_3$	–0.04				1
3838.96	4	26041.33	19827_3 – $45869°_4$	–0.09			0.010	1
3839.25	15	26039.37	15460_3 – $41499°_3$	–0.05			0.010	1
3839.866	2	26035.19					0.010	1
3841.050	3	26027.16	$27889°_4$ – 53916_3	–0.06			0.010	1
3841.274	4	26025.64	17008_6 – $43034°_5$	0.04			0.010	1
3841.31	1	26025.40					0.010	1
3841.974	2	26020.90					0.010	1
3842.164	4	26019.62	17701_3 – $43720°_4$	–0.07			0.010	1
3842.310	50	26018.63	6219_4 – $32238°_3$	–0.06			0.010	1

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
3843.162	4	26012.86	$27849_5 - 53862°_5$	–0.06			0.010	1
			$29479_4 - 55492°_5$	–0.04				1
3843.476	3*w*	26010.73	$24789_2 - 50800°_3$	–0.05			0.010	1
3845.784	1	25995.12					0.010	1
3846.218	300	25992.19	$1670_1 - 27662°_2$	–0.04	2.14e+6	B	0.010	1w, 7t
3847.020	4*w*	25986.77					0.010	1
3847.244	4	25985.26					0.010	1
3847.498	150	25983.54	$0_0 - 25983°_1$	–0.06	8.3e+5	B	0.010	1w, 7t
3847.958	1	25980.44	$27213_4 - 53194°_5$	0.01			0.010	1
3848.620	2*w*	25975.97	$29479_4 - 55455°_5$	–0.06			0.010	1
3849.222	2	25971.91	$33291_6 - 59263°_5$	0.08			0.010	1
3850.090	3*c*	25966.05	$18974_3 - 44940°_4$	–0.01			0.010	1
3851.954	2	25953.50	$26229°_2 - 52183_2$	0.07			0.010	1
3852.01	3	25953.11	$25983°_1 - 51936_2$	–0.13			0.010	1
3852.835	12	25947.55	$14976_2 - 40923°_3$	–0.10			0.010	1
3853.23	3	25944.89	$26861_2 - 52806°_3$	–0.03			0.010	1
3853.778	8	25941.20					0.010	1
3854.515	2	25936.24					0.010	1
3855.554	50	25929.25	$13777_2 - 39707°_2$	–0.06			0.010	1
3855.880	3	25927.06	$34302_4 - 60229°_5$	–0.08			0.010	1
			$17107_4 - 43034°_5$	–0.03				1
3856.023	3	25926.10	$31389_5 - 57315°_4$	–0.07			0.010	1
3857.30	10	25917.52	$28392_6 - 54310°_5$	–0.08			0.010	1
			$26367°_2 - 52284_3$	0.04				1
3858.847	5	25907.13					0.010	1
3859.303	60	25904.07	$18116_2 - 44021°_3$	–0.09	1.27e+7	B	0.010	1w, 8t
3859.929	20	25899.87	$20427_1 - 46327°_2$	–0.04			0.010	1
3861.066	30	25892.24	$18082_1 - 43975°_2$	–0.15			0.010	1
			$14976_2 - 40868°_2$	0.02				1
3861.245	25	25891.04	$12161_4 - 38053°_3$	–0.05			0.010	1
3862.672	1	25881.47					0.010	1
3863.480	15	25876.06	$13307_1 - 39183°_1$	–0.04			0.010	1
3864.343	60	25870.28	$3325_2 - 29195°_2$	–0.03	5.6e+5	B	0.010	1w, 7t
3864.592	5	25868.62	$13777_2 - 39646°_3$	–0.08			0.010	1
3865.326	8	25863.70	$20427_1 - 46291°_1$	–0.09			0.010	1
3866.055	25	25858.83	$13777_2 - 39636°_1$	–0.08	3.5e+6	B	0.010	1w, 8t
3866.257	4	25857.47	$17008_6 - 42866°_5$	–0.03			0.010	1
3866.849	3	25853.52					0.010	1
3867.158	3	25851.45					0.010	1
3867.373	1	25850.01	$19827_3 - 45677°_3$	0.00			0.010	1

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
3867.422	3	25849.69	22476_4 – $48326°_3$	–0.04			0.010	1
3867.544	4	25848.87					0.010	1
3867.666	5	25848.06					0.010	1
3867.986	600	25845.92	2951_3 – $28797°_4$	–0.03	4.6e+6	B	0.010	1w, 7t
3868.460	6	25842.75					0.010	1
3868.578	12	25841.96	15069_5 – $40911°_5$	–0.09			0.010	1
3868.857	2	25840.10					0.010	1
3869.007	2	25839.10	12161_4 – $38001°_4$	–0.06			0.010	1
3869.312	3	25837.06	33291_6 – $59128°_6$	0.06			0.010	1
3869.928	2w	25832.95					0.010	1
3870.684	3	25827.90	$26229°_2$ – 52057_1	–0.13			0.010	1
3870.818	6	25827.01	28291_3 – $54118°_4$	0.11			0.010	1
3871.370	3	25823.33	20983_2 – $46806°_2$	–0.10			0.010	1
			22852_4 – $48676°_4$	0.05				1
3871.694	4	25821.17					0.010	1
3871.845	3	25820.16	16431_4 – $42251°_3$	–0.04			0.010	1
3872.487	12	25815.88	$26367°_2$ – 52183_2	–0.04			0.010	1
3872.840	100	25813.52	3325_2 – $29139°_3$	–0.07			0.010	1
			17701_3 – $43514°_2$	0.02				1
3873.410	2	25809.73	18082_1 – $43892°_1$	–0.06			0.010	1
3874.412	50	25803.05	19648_6 – $45451°_5$	–0.06			0.010	1
3875.684	40	25794.58	14976_2 – $40770°_1$	–0.02	9.3e+6	C	0.010	1w, 8t
3877.42	3	25783.04					0.010	1
3877.516	3	25782.40					0.010	1
3877.838	2w	25780.25					0.010	1
3878.279	1w	25777.32	17701_3 – $43478°_3$	–0.08			0.010	1
3878.524	6	25775.70	18116_2 – $43892°_1$	–0.08			0.010	1
3879.002	6	25772.52	$26229°_2$ – 52002_3	0.04			0.010	1
3879.20	5	25771.07	28347_3 – $54118°_4$	–0.11			0.010	1
3879.43	1	25769.68	28347_3 – $54117°_3$	–0.08			0.010	1
3879.482	3	25769.33	23930_3 – $49699°_2$	–0.15			0.010	1
3880.082	12	25765.35	19253_2 – $45019°_2$	–0.11			0.010	1
3880.57	2	25762.1					0.010	1
3880.77	8w	25760.78	19253_2 – $45014°_3$	–0.20			0.010	1
3880.90	3	25759.91	31389_5 – $57148°_6$	0.01			0.010	1
3880.951	2	25759.6					0.010	1
3881.052	5	25758.91	17107_4 – $42866°_5$	–0.08			0.010	1
3881.15	5?	25758.26	19256_4 – $45014°_3$	–0.04			0.010	1
3881.405	250	25756.56	4830_3 – $30586°_3$	–0.08	3.6e+6	B	0.010	1w, 7t
3881.877	2	25753.43					0.010	1

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
3882.170	2	25751.49					0.010	1
3882.274	2	25750.80					0.010	1
3882.530	3w	25749.10					0.010	1
3883.336	2	25743.76	$24789_2 - 50533°_1$	–0.13			0.010	1
3883.832	20	25740.47	$18280_2 - 44021°_3$	–0.05	4.6e+6	B	0.010	1w, 8t
3884.197	4	25738.05	$15460_3 - 41198°_4$	–0.08			0.010	1
3885.123	2	25731.92					0.010	1
3885.456	1	25729.71	$27213_4 - 52943°_3$	0.05			0.010	1
3885.784	2	25727.54	$19535_5 - 45262°_4$	0.00			0.010	1
3886.452	20	25723.12	$13307_1 - 39030°_2$	–0.03			0.010	1
3887.405	10w	25716.81	$23982_2 - 49699°_2$	0.05			0.010	1
3888.886	5	25707.02	$26229°_2 - 51936_2$	–0.05			0.010	1n
3888.976	4	25706.42	$23930_3 - 49636°_4$	–0.02			0.010	1
3889.207	1	25704.90	$24789_2 - 50494°_2$	0.02			0.010	1
3889.470	2	25703.16	$23484_6 - 49187°_5$	0.02			0.010	1
3890.126	1	25698.82	$28720_1 - 54419°_1$	0.03			0.010	1
3890.420	8	25696.88	$23455_1 - 49151°_2$	–0.04			0.010	1
3890.746	12	25694.73	$18280_2 - 43975°_2$	–0.01	7.5e+6	C	0.010	1w, 8t
3891.252	6	25691.39	$23964°_2 - 49656_3$	0.02			0.010	1
3892.330	10	25684.27	$19256_4 - 44940°_4$	–0.06			0.010	1
3892.724	40	25681.67	$13348_3 - 39030°_2$	–0.02	2.71e+6	B	0.010	1w, 8t
3893.473	8	25676.73	$20427_1 - 46104°_1$	–0.05			0.010	1
3893.931	8	25673.71	$24610_3 - 50284°_4$	–0.05			0.010	1
3894.874	1	25667.50	$28291_3 - 53959°_2$	0.10			0.010	1
3895.758	3	25661.67	$22476_4 - 48138°_5$	–0.03			0.010	1
3896.930	3	25653.95	$28720_1 - 54374°_1$	0.03			0.010	1
3897.912	30	25647.49	$29773°_5 - 55420_6$	–0.05			0.010	1
3898.773	2	25641.83	$26861_2 - 52503°_2$	0.06			0.010	1
3899.782	2	25635.19	$26367°_2 - 52002_3$	0.22			0.010	1
3901.250	3	25625.55	$19826_5 - 45451°_5$	–0.06			0.011	1
3901.826	20	25621.76	$18974_3 - 44596°_2$	–0.01			0.011	1
3902.672	4	25616.21	$22773_0 - 48389°_1$	0.03			0.011	1
3902.730	1	25615.83	$26861_2 - 52477°_1$	–0.10			0.011	1
3902.820	2	25615.24	$28233_5 - 53848°_4$	0.05			0.011	1
3903.294	12	25612.13	$18280_2 - 43892°_1$	–0.01			0.011	1
3903.984	20	25607.60	$29773°_5 - 55381_5$	–0.06			0.011	1
3904.890	2	25601.66	$29853_4 - 55455°_5$	–0.03			0.011	1
3905.660	1	25596.61	$32135_4 - 57732°_3$	0.09			0.011	1
3905.972	20	25594.57	$19827_3 - 45422°_2$	–0.01			0.011	1
3906.240	4	25592.81	$27213_4 - 52806°_3$	0.07			0.011	1

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
3907.090	2	25587.25	23930_3 – $49517°_2$	0.07			0.011	1
3907.190	8	25586.59	20174_0 – $45760°_1$	–0.01			0.011	1
3907.924	1	25581.78	19535_5 – $45116°_4$	0.02			0.011	1
3909.790	2	25569.57	$26367°_2$ – 51936_2	0.01			0.011	1n
3911.280	5	25559.83	$29773°_5$ – 55333_4	0.05			0.011	1
3911.740	1	25556.83	28291_3 – $53848°_4$	0.08			0.011	1
3912.810	10	25549.84	17701_3 – $43251°_4$	0.02			0.011	1
3914.16	2w	25541.03					0.011	1
3915.15	2	25534.57	23982_2 – $49517°_2$	0.11			0.011	1
3915.614	3	25531.54	23982_2 – $49514°_3$	0.00			0.011	1
3916.386	4	25526.51	17701_3 – $43227°_2$	0.03			0.011	1
3917.260	2	25520.82	28898_2 – $54419°_1$	0.11			0.011	1
3917.624	6	25518.45	$29139°_3$ – 54657_3	0.01			0.011	1
3918.195	2	25514.73	32217_3 – $57732°_3$	0.18			0.011	1n, 3
3918.266	1w	25514.27	24789_2 – $50303°_3$	0.15			0.011	1
3918.438	3	25513.14	15069_5 – $40583°_4$	0.00			0.011	1
3918.587	20	25512.17	12161_4 – $37674°_3$	0.05			0.011	1
3919.025	4	25509.32					0.011	1
3920.646	1	25498.77					0.011	1
3922.326	8	25487.86	23930_3 – $49417°_3$	0.04			0.011	1
3922.606	1w	25486.04					0.011	1
3922.716	1	25485.32	30374_2 – $55859°_1$	0.20			0.011	1
3924.362	10	25474.63	20427_1 – $45902°_2$	–0.01	2.8e+6	C	0.011	1w, 8t
3924.687	10	25472.53	18974_3 – $44447°_3$	0.02	3.0e+6	B	0.011	1w, 8t
3925.058	1	25470.11	28392_6 – $53862°_5$	0.09			0.011	1
3926.027	10	25463.83	15460_3 – $40923°_3$	0.01			0.011	1
3926.35	2w	25461.74	$29195°_2$ – 54657_3	0.02			0.011	1
3926.46	1w	25461.02	30374_2 – $55835°_2$	0.10			0.011	1n
			23982_2 – $49443°_1$	0.12				1
3929.294	3	25442.65	31389_5 – $56831°_4$	0.06			0.011	1
3929.664	3	25440.26					0.011	1
3930.232	12	25436.58	19826_5 – $45262°_4$	0.07	3.6e+6	C	0.011	1w, 8t
3930.474	15	25435.02	14976_2 – $40411°_1$	0.08	2.37e+6	B	0.011	1n, 8t
3930.96	12	25431.81	18082_1 – $43514°_2$	–0.04			0.011	1
3931.44	2	25428.77	29430_3 – $54859°_2$	0.12			0.011	1n, 3
3931.926	4	25425.62	17107_4 – $42532°_4$	0.01			0.011	1
3934.593	4	25408.39	15460_3 – $40868°_2$	0.00			0.011	1
3934.887	5	25406.49	15069_5 – $40476°_5$	0.00			0.011	1
3935.033	25	25405.55	19535_5 – $44940°_4$	–0.01			0.011	1
			13777_2 – $39183°_1$	0.06				1

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
3935.352	5	25403.50					0.011	1
3935.912	3	25399.88	13348_3 – $38748°_4$	0.00			0.011	1
3936.062	4	25398.91					0.011	1
3936.220	12	25397.89	18116_2 – $43514°_2$	0.05			0.011	1
3936.488	1	25396.16	24789_2 – $50185°_3$	0.12			0.011	1
3936.782	1	25394.27	26861_2 – $52255°_3$	0.11			0.011	1
3936.974	25	25393.03	18974_3 – $44367°_2$	0.04			0.011	1
3937.614	15	25388.90	19535_5 – $44923°_6$	0.01			0.011	1
3937.73	1	25388.15					0.011	1
3938.777	3w	25381.40					0.011	1
3939.434	8	25377.17					0.011	1
3939.684	1w	25375.56					0.011	1
3939.894	5	25374.21	22476_4 – $47850°_5$	0.05			0.011	1
3940.415	1	25370.85	28898_2 – $54269°_3$	0.04			0.011	1
3941.824	8	25361.78	18116_2 – $43478°_3$	0.04			0.011	1
3942.338	4w	25358.48					0.011	1
3944.790	6	25342.71	19253_2 – $44596°_2$	–0.01			0.011	1
3945.197	5	25340.10	23930_3 – $49270°_2$	0.02			0.011	1
3945.971	1w	25335.13	$31432°_4$ – 56768_5	–0.02			0.011	1
3946.296	8w	25333.04	23455_1 – $48788°_1$	0.00			0.011	1
			20427_1 – $45760°_1$	0.08				1
3947.977	20	25322.25	19648_6 – $44970°_7$	–0.03			0.011	1
3948.673	2	25317.79	22852_4 – $48170°_3$	0.04			0.011	1
3949.636	2	25311.62					0.011	1
3950.113	5	25308.56	20983_2 – $46291°_1$	–0.05			0.011	1
3950.384	1	25306.83					0.011	1
3951.161	4w	25301.86	$25983°_1$ – 51285_0	0.00			0.011	1
3951.876	6	25297.28					0.011	1
3952.254	5	25294.85					0.011	1
3952.517	25	25293.17	14976_2 – $40269°_3$	0.00			0.011	1
3952.897	20	25290.74	19826_5 – $45116°_4$	0.01			0.011	1
3953.152	30	25289.11	19827_3 – $45116°_4$	0.02			0.011	1
3953.422	5	25287.38	23982_2 – $49270°_2$	0.02			0.011	1
3953.708	6	25285.55	22852_4 – $48138°_5$	–0.03			0.011	1
3955.304	40	25275.35	19648_6 – $44923°_6$	–0.01			0.011	1
3955.763	2	25272.42	29460_7 – $54733°_6$	0.02			0.011	1
3956.29	2	25269.05	13307_1 – $38576°_0$	0.01			0.011	1
3957.066	3w	25264.09	$29393°_2$ – 54657_3	–0.07			0.011	1
3957.219	1	25263.12	16431_4 – $41694°_3$	0.09			0.011	1
3958.874	20	25252.56	13777_2 – $39030°_2$	0.02	1.96e+6	B	0.011	1w, 8t

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
3961.756	4	25234.19	18280_2 – $43514°_2$	–0.01			0.011	1
3962.324	15	25230.57	17008_6 – $42239°_6$	0.01			0.011	1
3963.562	1	25222.69	27213_4 – $52436°_4$	0.07			0.011	1
3963.695	4	25221.84	23930_3 – $49151°_2$	–0.02			0.011	1
3964.319	3	25217.87	23930_3 – $49147°_4$	0.00			0.011	1
3964.798	1*w*	25214.83	27670_1 – $52885°_2$	–0.19			0.011	1
3964.992	10	25213.59	6219_4 – $31432°_4$	0.01	1.0e+5	B	0.011	1w, 7t
3965.137	20	25212.67	22476_4 – $47689°_4$	0.02			0.011	1
3965.483	4*w*	25210.47					0.011	1
3965.632	3	25209.52	17701_3 – $42910°_4$	–0.04			0.011	1
3965.905	1	25207.8					0.011	1
3966.210	3	25205.85	15460_3 – $40665°_3$	0.01			0.011	1
3966.754	5*w*	25202.39	26861_2 – $52064°_2$	–0.05			0.011	1
3967.175	2	25199.72	20174_0 – $45374°_1$	–0.08			0.011	1
3967.392	1*w*	25198.34	18280_2 – $43478°_3$	0.24			0.011	1
3968.171	6	25193.39	19253_2 – $44447°_3$	–0.07			0.011	1
3968.502	6	25191.29	9528_0 – $34719°_1$	0.02	5.07e+5	D	0.011	1w, 7t
3968.590	20	25190.73	19256_4 – $44447°_3$	–0.05	9.3e+6	C	0.011	1w, 8t
3969.004	1	25188.11					0.011	1
3969.195	15	25186.89	19827_3 – $45014°_3$	0.03			0.011	1
3970.798	30	25176.73	$28797°_4$ – 53974_5	–0.13			0.011	1
3971.539	1	25172.03	30374_2 – $55546°_3$	0.17			0.011	1
3972.002	6	25169.10	23982_2 – $49151°_2$	–0.04			0.011	1
3972.806	4	25164.00	15069_5 – $40233°_4$	–0.04			0.011	1
3973.290	5	25160.94	$20064°_1$ – 45225_0	0.02			0.011	1
3974.15	2	25155.50	29853_4 – $55009°_5$	–0.06			0.011	1
3974.306	2	25154.50	28720_1 – $53875°_1$	0.12			0.011	1
3974.451	1	25153.60	26861_2 – $52015°_3$	–0.04			0.011	1
3974.84	1	25151.13					0.011	1
3975.470	12	25147.14	12161_4 – $37309°_5$	–0.06	4.1e+5	C	0.011	1w, 7t
3975.896	8	25144.45	17107_4 – $42251°_3$	–0.05	5.9e+6	B	0.011	1w, 8t
3976.290	4	25141.95	23930_3 – $49072°_3$	–0.11			0.011	1
3976.52	2	25140.5	$31432°_4$ – 56573_5	–0.1			0.011	1
3977.001	2	25137.46	31389_5 – $56526°_6$	–0.03			0.011	1
3978.822	2	25125.96	29430_3 – $54556°_3$	0.03			0.011	1n, 3
3979.290	30	25123.00	15460_3 – $40583°_4$	–0.06	8.6e+6	B	0.011	1w, 8t
3979.519	1	25121.55	20983_2 – $46104°_1$	–0.05			0.011	1
3979.56	1*w*	25121.29					0.011	1
3979.84	1*w*	25119.53	$28797°_4$ – 53916_3	–0.13			0.011	1
3980.298	4	25116.64	22476_4 – $47593°_3$	–0.12			0.011	1

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
3980.644	25	25114.46	19826_5 – $44940°_4$	–0.07			0.011	1
3980.742	3	25113.84	19253_2 – $44367°_2$	–0.10			0.011	1
3980.910	4	25112.77	19827_3 – $44940°_4$	–0.12			0.011	1
3981.233	6	25110.74	18116_2 – $43227°_2$	–0.08			0.011	1
3981.578	2	25108.57					0.011	1
3982.45	1	25103.07					0.011	1
3982.874	6	25100.40	18116_2 – $43217°_1$	–0.09	1.39e+7	C	0.011	1w, 8t
3982.968	10	25099.80	19253_2 – $44353°_1$	–0.10			0.011	1
3983.173	1	25098.51	28291_3 – $53390°_3$	–0.03			0.011	1
3983.292	50	25097.76	19826_5 – $44923°_6$	–0.10			0.011	1
			34302_4 – $59399°_3$	0.06				1n
3984.634	2	25089.31	23982_2 – $49072°_3$	–0.03			0.011	1
3984.757	1	25088.53	24610_3 – $49699°_2$	–0.15			0.011	1
3985.668	5	25082.80	4830_3 – $29912°_3$	–0.05	1.74e+4	D	0.011	1w, 7t
3985.788	4	25082.04					0.011	1
3987.531	5*w*	25071.08					0.011	1
3987.854	3	25069.05					0.011	1
3988.010	8	25068.07	16431_4 – $41499°_3$	–0.05			0.011	1
3990.614	1	25051.71					0.011	1
3991.227	15	25047.86	$21448°_2$ – 46496_3	0.00			0.011	1
3991.518	4	25046.04	22773_0 – $47819°_1$	–0.12			0.011	1
3992.018	1*w*	25042.90	28347_3 – $53390°_3$	0.08			0.011	1
3992.756	12	25038.27					0.011	1
3993.911	8	25031.03	$23047°_3$ – 48078_2	0.02			0.011	1
3994.774	3	25025.62	24610_3 – $49636°_4$	–0.02			0.011	1
3996.450	3	25015.13	30374_2 – $55389°_3$	0.03			0.011	1
3997.008	1	25011.63	19535_5 – $44546°_5$	–0.12			0.011	1
3997.136	8	25010.83	18974_3 – $43985°_4$	–0.07			0.011	1
3997.341	6	25009.55	$21448°_2$ – 46458_1	0.01			0.011	1
3997.757	5	25006.95	22476_4 – $47483°_3$	–0.05			0.011	1
3997.891	2	25006.11	27849_5 – $52855°_6$	–0.07			0.011	1
3998.160	10	25004.43	$21453°_1$ – 46458_1	0.03			0.011	1
3998.756	15	25000.70	18974_3 – $43975°_2$	–0.01	1.24e+7	C	0.011	1w, 8t
3999.188	3	24998.00	22852_4 – $47850°_5$	–0.04			0.011	1
			28347_3 – $53345°_3$	0.08				1
3999.675	2	24994.96	28233_5 – $53228°_6$	–0.02			0.011	1
3999.76	1	24994.43	20427_1 – $45422°_2$	0.01			0.011	1
4000.695	15	24988.59	$28797°_4$ – 53786_4	–0.17			0.011	1
4001.380	20	24984.31	12161_4 – $37146°_4$	–0.09	5.6e+5	B	0.011	1w, 7t
4002.656	3	24976.34	28898_2 – $53875°_1$	0.04			0.011	1

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
4002.782	1	24975.56					0.011	1
4002.956	1	24974.47					0.011	1
4005.152	1	24960.78	28233_5 – $53194°_5$	–0.03			0.011	1
4005.404	25	24959.21	1670_1 – $26629°_0$	0.04			0.011	1
4005.688	1	24957.44					0.011	1
4005.893	8	24956.17	34465_3 – $59422°_2$	0.00			0.011	1n, 3
4007.355	1	24947.06	18280_2 – $43227°_2$	–0.12			0.011	1
4007.437	1	24946.55	28291_3 – $53238°_4$	0.02			0.011	1
4008.753	1000	24938.36	2951_3 – $27889°_4$	–0.03	1.63e+7	B	0.011	1w, 7t
4009.005	5	24936.79	18280_2 – $43217°_1$	–0.06			0.011	1
4009.454	3	24934.00	$26189°_3$ – 51123_4	0.06			0.011	1
4010.377	15	24928.26	$23047°_3$ – 47975_4	0.03			0.011	1
4011.022	3	24924.25	27849_5 – $52774°_5$	–0.05			0.011	1
4011.302	4	24922.51	$25983°_1$ – 50906_1	–0.09			0.011	1
4011.810	4	24919.35	20983_2 – $45902°_2$	–0.11			0.011	1
4012.492	1*w*	24915.12					0.011	1
4012.704	1	24913.81	32217_3 – $57131°_3$	–0.06			0.011	1n, 3
4012.988	1	24912.04					0.011	1
4013.186	10	24910.81	13348_3 – $38259°_4$	–0.03			0.011	1
4013.440	1*w*	24909.23					0.011	1
4014.935	6	24899.96	17701_3 – $42601°_3$	–0.05			0.011	1
4015.218	100	24898.20	19648_6 – $44546°_5$	–0.02			0.011	1
4016.108	6	24892.68	$24763°_4$ – 49656_3	0.03			0.011	1
4016.524	50	24890.11	$27488°_3$ – 52378_4	0.00			0.011	1
4016.922	3	24887.64	33291_6 – $58179°_5$	0.06			0.011	1
4017.348	5	24885.00	22476_4 – $47361°_3$	–0.06			0.011	1
			28233_5 – $53118°_4$	0.15				1
4018.313	3	24879.03	20427_1 – $45306°_0$	–0.02			0.011	1
4018.750	3	24876.32	18974_3 – $43850°_3$	–0.01			0.011	1
4018.898	1	24875.41					0.011	1
4019.123	2	24874.01					0.011	1
4019.227	60	24873.37	3325_2 – $28198°_1$	0.00	6.7e+5	B	0.011	1w, 7t
4020.204	2	24867.33	27213_4 – $52081°_5$	0.06			0.011	1
4021.746	3	24857.79	13348_3 – $38206°_3$	–0.03			0.011	1
4022.115	15	24855.51	$20064°_1$ – 44919_2	–0.03			0.011	1
4022.830	4	24851.09					0.011	1
4022.994	1*w*	24850.08					0.011	1
4023.492	2	24847.01					0.011	1
4023.666	1	24845.93	27213_4 – $52059°_4$	–0.03			0.011	1
4025.194	5	24836.50	22852_4 – $47689°_4$	–0.03			0.011	1

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
4025.348	1	24835.55	28392_6 – $53228°_6$	–0.17			0.011	1
4025.888	1	24832.22	26861_2 – $51693°_2$	0.01			0.011	1
4026.028	2	24831.35	17701_3 – $42532°_4$	–0.09			0.011	1
4026.822	1*w*	24826.46	28291_3 – $53118°_4$	0.05			0.011	1
4028.786	40	24814.35	9528_0 – $34342°_1$	–0.03	2.48e+6	B	0.011	1w, 8t
4029.023	5	24812.90	17701_3 – $42514°_3$	–0.06			0.011	1
4029.603	6	24809.32	15460_3 – $40269°_3$	–0.02			0.011	1
4029.922	3	24807.36					0.011	1
4029.982	3	24807.00	24610_3 – $49417°_3$	–0.02			0.011	1
4030.844	1	24801.70	28392_6 – $53194°_5$	0.15			0.011	1
4031.668	6	24796.62	$27488°_3$ – 52284_3	–0.03			0.011	1
4032.382	4	24792.23					0.011	1
4032.622	3	24790.75					0.011	1
4033.466	1*w*	24785.56	31389_5 – $56174°_4$	0.01			0.011	1
4034.744	2	24777.71	20983_2 – $45760°_1$	–0.07			0.011	1
4034.898	1*w*	24776.77					0.011	1
4035.356	12	24773.96	15460_3 – $40233°_4$	0.00	2.90e+6	B	0.011	1w, 8t
4036.227	2	24768.62	19827_3 – $44596°_2$	0.02			0.011	1
4036.428	2	24767.38	19253_2 – $44021°_3$	–0.06			0.011	1
4036.520	2	24766.82	16431_4 – $41198°_4$	–0.01			0.011	1
4036.855	40	24764.77	19256_4 – $44021°_3$	0.01	1.49e+7	B	0.011	1w, 8t
4039.418	8	24749.05	17701_3 – $42450°_4$	–0.01			0.011	1
4039.854	12	24746.38	18974_3 – $43720°_4$	0.02			0.011	1
4039.922	5	24745.97	23930_3 – $48676°_4$	–0.03			0.011	1
4040.588	10	24741.88	19648_6 – $44390°_6$	0.00			0.011	1
4040.80	3	24740.6	22852_4 – $47593°_3$	0.0			0.011	1
4041.08	2	24738.88	26861_2 – $51600°_3$	0.00			0.011	1
4042.390	6	24730.86	14976_2 – $39707°_2$	0.02			0.011	1
4042.674	3	24729.12	19256_4 – $43985°_4$	–0.05			0.011	1
4043.408	3	24724.63	24789_2 – $49514°_3$	–0.05			0.011	1
4043.526	2	24723.91					0.011	1
4043.894	8	24721.66	19253_2 – $43975°_2$	0.00	1.42e+7	C	0.011	1w, 8t
4044.048	3	24720.72	19826_5 – $44546°_5$	0.00			0.011	1
4044.280	30	24719.30	$26229°_2$ – 50949_1	0.00			0.011	1
4045.404	5*w*	24712.43	12161_4 – $36874°_3$	0.03			0.011	1
4045.594	100	24711.27	2951_3 – $27662°_2$	0.04	2.88e+6	B	0.011	1w, 7t
4046.702	25	24704.51	13348_3 – $38053°_3$	0.02			0.011	1
4046.98	1	24702.81	29853_4 – $54556°_3$	0.04			0.011	1
4047.938	12	24696.96	1670_1 – $26367°_2$	–0.03	5.0e+4	C	0.011	1w, 7t
4048.136	2	24695.75	32135_4 – $56831°_4$	0.02			0.011	1

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
4048.320	5	24694.63	20983_2 – $45677°_3$	–0.04			0.011	1
4048.854	5	24691.37	33952_3 – $58644°_3$	0.12			0.011	1n, 3
4050.493	1	24681.38	28204_2 – $52885°_2$	0.08			0.011	1
4051.300	3*w*	24676.47	$26229°_2$ – 50906_1	0.04			0.011	1
4052.32	6	24670.26	14976_2 – $39646°_3$	0.03			0.011	1
4052.68	2*w*	24668.07	19256_4 – $43924°_5$	0.06			0.011	1
4053.932	15	24660.45	14976_2 – $39636°_1$	0.01	4.9e+6	B	0.011	1w, 8t
4055.056	1	24653.61	23484_6 – $48138°_5$	0.01			0.011	1
4055.23	5	24652.56	13348_3 – $38001°_4$	0.00	1.79e+5	C	0.011	1w, 7t
4055.642	4	24650.05	15069_5 – $39719°_4$	0.02			0.011	1
4056.181	2*w*	24646.77	$29139°_3$ – 53786_4	–0.11			0.011	1
4056.459	2	24645.08	28347_3 – $52992°_4$	–0.01			0.011	1
4056.908	2	24642.36	27213_4 – $51856°_4$	0.08			0.011	1
4057.460	4	24639.01	19253_2 – $43892°_1$	–0.05			0.011	1
4059.244	4	24628.18	24789_2 – $49417°_3$	–0.06			0.011	1
4060.166	1	24622.58	28233_5 – $52855°_6$	0.04			0.011	1
4060.234	2	24622.17	$27662°_2$ – 52284_3	–0.07			0.011	1
4060.705	12	24619.32	19827_3 – $44447°_3$	–0.02	5.9e+6	B	0.011	1w, 8t
4062.260	1	24609.89	33569_4 – $58179°_5$	0.04			0.011	1n, 3
4064.580	4	24595.85	28347_3 – $52943°_3$	–0.03			0.011	1
4064.791	40	24594.57	19256_4 – $43850°_3$	–0.03	1.59e+7	B	0.011	1w, 8t
4065.320	6	24591.37	$24763°_4$ – 49354_5	0.08			0.011	1
4065.992	5	24587.30	17107_4 – $41694°_3$	–0.03			0.011	1
4066.910	8	24581.76	$26367°_2$ – 50949_1	–0.03			0.011	1
4067.513	2	24578.11	13777_2 – $38355°_1$	–0.02			0.011	1
4069.154	4	24568.20	20983_2 – $45551°_3$	–0.10			0.011	1
4069.794	12	24564.34	19826_5 – $44390°_6$	–0.04			0.011	1
4069.950	80	24563.40	4830_3 – $29393°_2$	0.00	3.60e+6	B	0.011	1w, 7t
4070.608	60	24559.42	1670_1 – $26229°_2$	–0.06	5.7e+5	B	0.011	1w, 8t
4070.890	1*w*	24557.72					0.011	1
4071.928	25	24551.46	15460_3 – $40011°_2$	–0.03	3.29e+6	B	0.011	1w, 8t
4073.150	12	24544.10	15069_5 – $39614°_5$	–0.02			0.011	1
4073.864	3	24539.80	19827_3 – $44367°_2$	–0.02			0.011	1
4074.358	600	24536.82	2951_3 – $27488°_3$	0.00	1.0e+7	B	0.011	1w, 7t
4076.124	2	24526.19					0.011	1
4077.043	5	24520.66	$27662°_2$ – 52183_2	–0.02			0.011	1
4078.119	6	24514.19	$27488°_3$ – 52002_3	0.05			0.011	1
4079.258	4	24507.35	22852_4 – $47360°_4$	–0.04			0.011	1
4079.458	1	24506.15	28720_1 – $53227°_1$	0.00			0.011	1
4079.804	3	24504.08	18974_3 – $43478°_3$	0.01			0.011	1

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
4080.166	1*w*	24501.90					0.011	1
4081.737	1	24492.46	16431_4 – $40923°_3$	–0.06			0.011	1
4082.054	3	24490.56	18082_1 – $42573°_1$	–0.10			0.011	1
4082.958	30	24485.14	19256_4 – $43741°_5$	0.01			0.011	1
4083.711	6	24480.62	16431_4 – $40911°_5$	–0.05			0.011	1
4085.044	2	24472.64					0.011	1
4086.00	2	24466.91	13307_1 – $37773°_1$	0.05			0.011	1
4086.525	3	24463.77					0.011	1
4086.961	2	24461.16	24610_3 – $49072°_3$	–0.10			0.011	1
4087.388	4	24458.60	31389_5 – $55847°_6$	0.00			0.011	1
4087.729	1	24456.56	18116_2 – $42573°_1$	–0.09			0.011	1
4087.980	1	24455.06	22476_4 – $46931°_4$	–0.10			0.011	1
4088.330	30	24452.97	3325_2 – $27778°_1$	0.00	4.13e+5	C	0.011	1w, 7t
4088.768	10	24450.35	19535_5 – $43985°_4$	–0.05			0.011	1
4089.054	2*w*	24448.64	$27488°_3$ – 51936_2	–0.09			0.011	1
4089.380	8	24446.68	$26676°_5$ – 51123_4	0.02			0.011	1
4090.30	2	24441.2					0.011	1
4090.636	6	24439.19	20983_2 – $45422°_2$	–0.05			0.011	1
4091.040	4	24436.77					0.011	1
4091.212	3	24435.74					0.011	1
4092.392	10*w*	24428.70	13777_2 – $38206°_3$	0.03			0.011	1
4093.134	10*w*	24424.27					0.011	1
4094.747	3	24414.65					0.011	1
4095.693	15	24409.01	17008_6 – $41417°_6$	–0.01			0.011	1
4095.992	2	24407.22	23982_2 – $48389°_1$	0.06			0.011	1
4096.424	2*w*	24404.65	$27778°_1$ – 52183_2	–0.05			0.011	1
4096.756	1*w*	24402.67					0.011	1
4097.344	2*w*	24399.18	26861_2 – $51260°_1$	0.14			0.011	1
4097.664	10	24397.27	18116_2 – $42514°_3$	–0.03			0.011	1
4097.826	3	24396.30	23930_3 – $48326°_3$	–0.03			0.011	1
4098.028	2*w*	24395.10	$27889°_4$ – 52284_3	0.02			0.011	1
4098.48	3	24392.4	17107_4 – $41499°_3$	0.0			0.011	1
4099.016	10	24389.22	19535_5 – $43924°_5$	–0.02			0.011	1
4100.334	2	24381.37	28392_6 – $52774°_5$	–0.03			0.012	1
4100.891	6	24378.07	22476_4 – $46854°_5$	–0.05			0.012	1
4101.648	3	24373.57	35299_4 – $59673°_5$	0.07			0.012	1n, 3
4101.845	8	24372.40					0.012	1
4102.367	2*w*	24369.30	29479_4 – $53848°_4$	–0.01			0.012	1
4102.702	100	24367.31	6219_4 – $30586°_3$	0.00	4.9e+6	B	0.012	1w, 7t
4102.942	4	24365.88	4830_3 – $29195°_2$	0.04	4.2e+4	C	0.012	1w, 7t

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
4103.118	6	24364.84	$23455_1 - 47819°_1$	–0.08			0.012	1
4106.698	6	24343.60	$23982_2 - 48326°_3$	–0.01			0.012	1
4107.816	5	24336.97	$3325_2 - 27662°_2$	–0.02	1.1e+4	E	0.012	1w, 7t
4108.529	12	24332.75	$18116_2 - 42449°_2$	–0.01			0.012	1
4109.746	30	24325.54	$13348_3 - 37674°_3$	0.02			0.012	1
4110.572	8	24320.66	$18280_2 - 42601°_3$	–0.05	2.16e+6	B	0.012	1w, 8t
4111.672	5	24314.15	$23930_3 - 48244°_2$	–0.06			0.012	1
4111.815	25	24313.30	$1670_1 - 25983°_1$	–0.01	1.6e+5	B	0.012	1w, 7t
4112.484	8	24309.35	$20427_1 - 44737°_1$	–0.02			0.012	1
4114.19	1	24299.27	$28204_2 - 52503°_2$	0.06			0.012	1
4114.821	6w	24295.54	$26229°_2 - 50525_2$	–0.04			0.012	1
4115.585	12	24291.03	$15069_5 - 39361°_5$	–0.05	4.8e+5	C	0.012	1w, 7t
4116.718	3	24284.34	$32217_3 - 56502°_4$	0.15			0.012	1n, 3
4118.052	25	24276.48	$18974_3 - 43251°_4$	–0.01	9.3e+6	B	0.012	1w, 8t
4118.186	15	24275.69	$19648_6 - 43924°_5$	–0.02			0.012	1
4118.246	5	24275.34	$13777_2 - 38053°_3$	0.00			0.012	1
4118.976	6	24271.04					0.012	1
4119.287	1w	24269.21	$33291_6 - 57560°_5$	0.18			0.012	1
4120.22	1w	24263.7	$29853_4 - 54117°_3$	0.0			0.012	1
4120.356	1w	24262.9					0.012	1
4120.854	15	24259.98	$15460_3 - 39719°_4$	0.03	1.96e+6	B	0.012	1w, 8t
4122.014	12	24253.15	$18974_3 - 43227°_2$	0.00	5.1e+6	B	0.012	1w, 8t
4123.051	10	24247.05	$15460_3 - 39707°_2$	0.04			0.012	1
4124.164	2w	24240.50	$23930_3 - 48170°_3$	0.03			0.012	1
4125.164	20	24234.63	$16431_4 - 40665°_3$	0.09	3.1e+6	B	0.012	1w, 8t
4125.325	8	24233.68	$18280_2 - 42514°_3$	0.02			0.012	1
4125.727	2	24231.32	$27849_5 - 52081°_5$	0.03			0.012	1
4126.803	30	24225.00	$19253_2 - 43478°_3$	–0.02			0.012	1
4127.257	5	24222.34	$19256_4 - 43478°_3$	0.00			0.012	1
4129.982	3	24206.36	$19535_5 - 43741°_5$	0.00			0.012	1
4130.539	1	24203.10	$28233_5 - 52436°_4$	0.10			0.012	1
4132.202	10	24193.35	$19827_3 - 44021°_3$	0.03	5.9e+6	B	0.012	1w, 8t
4132.472	3w	24191.77					0.012	1
4133.160	2w	24187.74	$23982_2 - 48170°_3$	–0.01			0.012	1
4133.388	8	24186.41	$15460_3 - 39646°_3$	0.01			0.012	1
4133.481	5	24185.87	$19535_5 - 43720°_4$	0.01			0.012	1
4134.581	1	24179.43	$18082_1 - 42262°_1$	–0.04			0.012	1
4136.348	5	24169.10	$18280_2 - 42449°_2$	–0.02			0.012	1
4137.457	80	24162.62	$3325_2 - 27488°_3$	0.04	8.4e+5	B	0.012	1w, 7t
4138.018	40	24159.35	$19826_5 - 43985°_4$	–0.02			0.012	1

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
4138.304	15	24157.68	19827_3 – $43985°_4$	–0.05			0.012	1
4139.318	10	24151.76	16431_4 – $40583°_4$	0.00	3.3e+6	C	0.012	1w, 8t
4140.039	8	24147.56	19827_3 – $43975°_2$	0.02			0.012	1
4140.400	8	24145.45	18116_2 – $42262°_1$	–0.01			0.012	1
4140.797	1	24143.13	28898_2 – $53042°_1$	0.09			0.012	1
4142.253	25	24134.65	18116_2 – $42251°_3$	–0.02	5.0e+6	B	0.012	1w, 8t
4142.693	2	24132.08					0.012	1
4144.812	2	24119.75	32135_4 – $56255°_4$	0.04			0.012	1
4145.160	25	24117.72	13348_3 – $37466°_2$	–0.02			0.012	1
4145.860	4	24113.65	$23964°_2$ – 48078_2	0.00			0.012	1
4145.947	10	24113.14	12161_4 – $36275°_5$	0.00			0.012	1
4147.385	2	24104.78	28898_2 – $53003°_2$	0.02			0.012	1
4148.516	3	24098.22	19826_5 – $43924°_5$	0.01			0.012	1
4149.074	3w	24094.97					0.012	1
4149.435	10	24092.88	19648_6 – $43741°_5$	0.05			0.012	1
4149.737	6	24091.12	17107_4 – $41198°_4$	–0.01			0.012	1
4151.822	2	24079.03	22852_4 – $46931°_4$	–0.01			0.012	1
4152.182	2	24076.94	27213_4 – $51290°_5$	0.03			0.012	1
4154.096	2	24065.84					0.012	1
4154.664	20	24062.55	$19389°_0$ – 43451_1	0.00			0.012	1
4155.277	2w	24059.0					0.012	1
4155.527	2w	24057.56					0.012	1
4156.064	3w	24054.45					0.012	1
4157.677	2	24045.09	16431_4 – $40476°_5$	–0.02			0.012	1
4158.822	2	24038.50	23930_3 – $47968°_4$	–0.04			0.012	1
4158.954	2	24037.73	32217_3 – $56255°_4$	–0.01			0.012	1n, 3
4159.609	4	24033.95					0.012	1
4159.782	5	24032.95	17701_3 – $41734°_2$	0.00			0.012	1
4160.030	8	24031.52	20983_2 – $45014°_3$	0.00			0.012	1
4160.341	8	24029.72	22476_4 – $46506°_5$	0.03	6.0e+6	B	0.012	1w, 8t
4161.476	4	24023.17	19827_3 – $43850°_3$	0.01			0.012	1
4163.914	3	24009.10	29853_4 – $53862°_5$	0.04			0.012	1
4164.398	2	24006.31	27849_5 – $51856°_4$	0.01			0.012	1
4164.998	1	24002.85	28392_6 – $52395°_5$	0.05			0.012	1
4165.152	4	24001.96	22852_4 – $46854°_5$	–0.04			0.012	1
4166.139	10	23996.28	13777_2 – $37773°_1$	0.03			0.012	1
4166.40	2	23994.78	19256_4 – $43251°_4$	0.02			0.012	1
4166.676	2	23993.19	17701_3 – $41694°_3$	0.03			0.012	1
4166.846	4	23992.21					0.012	1
4167.002	2w	23991.30	33569_4 – $57560°_5$	0.00			0.012	1n, 3

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
4168.652	12	23981.82	18280_2 – $42262°_1$	0.00			0.012	1
4169.996	4	23974.08	19253_2 – $43227°_2$	–0.02			0.012	1
4170.526	30	23971.04	18280_2 – $42251°_3$	0.01	8.1e+6	B	0.012	1w, 8t
4170.820	1	23969.35					0.012	1
4171.174	60	23967.32	4830_3 – $28797°_4$	0.08	8.6e+5	B	0.012	1w, 7t
4171.415	2	23965.93					0.012	1
4171.794	2	23963.75	19253_2 – $43217°_1$	–0.02			0.012	1
4172.934	2	23957.20	31389_5 – $55346°_4$	0.08			0.012	1
4174.52	2w	23948.1	$31432°_4$ – 55381_5	0.0			0.012	1
4175.988	5	23939.68	20427_1 – $44367°_2$	0.02			0.012	1
4176.589	2	23936.24	18974_3 – $42910°_4$	0.01			0.012	1
4177.822	8w	23929.18					0.012	1
4178.054	2	23927.85					0.012	1
4178.445	1	23925.61	20427_1 – $44353°_1$	–0.01			0.012	1
4179.366	2w	23920.33	12161_4 – $36082°_4$	–0.01			0.012	1
4180.232	10	23915.38	19826_5 – $43741°_5$	0.05			0.012	1
4181.388	5	23908.77	22476_4 – $46385°_3$	–0.01			0.012	1
4182.305	2	23903.53	17008_6 – $40911°_5$	0.05			0.012	1
4182.89	2	23900.18	$31432°_4$ – 55333_4	–0.03			0.012	1
4183.655	10	23895.81	18082_1 – $41978°_2$	0.02	3.0e+6	B	0.012	1w, 8t
4183.816	12	23894.90	19826_5 – $43720°_4$	0.07			0.012	1
4186.002	6	23882.41	18082_1 – $41965°_0$	0.00			0.012	1
4186.071		23882.02	17701_3 – $41583°_2$	0.00	2.22e+6	B	0.012	8
4187.643	1w	23873.06	$29912°_3$ – 53786_4	–0.09			0.012	1
4189.149	3w	23864.47					0.012	1
4189.619	2	23861.80	18116_2 – $41978°_2$	0.02			0.012	1
4189.788	1	23860.84	28291_3 – $52152°_2$	0.10			0.012	1
4189.960	1	23859.86	28204_2 – $52064°_2$	–0.02			0.012	1
4190.136	3w	23858.85	$28198°_1$ – 52057_1	–0.05			0.012	1
4190.395	1w	23857.38	26861_2 – $50718°_2$	0.12			0.012	1
4192.087	2	23847.75	28233_5 – $52081°_5$	0.10			0.012	1
4192.363	1	23846.2					0.012	1
4192.578	1	23844.96					0.012	1
4193.786	6	23838.09	16431_4 – $40269°_3$	0.05			0.012	1
4193.950	5	23837.16	23982_2 – $47819°_1$	0.02			0.012	1
4195.54	1	23828.1					0.012	1
4195.840	1	23826.42	28233_5 – $52059°_4$	0.08			0.012	1
4197.044	1	23819.58					0.012	1
4197.530	2	23816.83	17107_4 – $40923°_3$	0.01			0.012	1
4197.982	1w	23814.26					0.012	1

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
4198.57	1	23810.93	28204_2 – $52015°_3$	–0.15			0.012	1
4199.617	8	23805.00	17107_4 – $40911°_5$	0.03			0.012	1
4200.020	15	23802.71	16431_4 – $40233°_4$	0.05	3.12e+6	B	0.014	1w, 8t
4200.419	2	23800.45	23455_1 – $47255°_1$	–0.08			0.014	1
4200.885	4	23797.81	13348_3 – $37146°_4$	0.01			0.014	1
4201.615	1	23793.68					0.014	1
4203.165	1	23784.90					0.014	1
4203.816	15	23781.21	12161_4 – $35943°_3$	0.00	4.9e+5	C	0.014	1w, 7t
4203.957	2	23780.41					0.014	1
4204.405	30	23777.88	19256_4 – $43034°_5$	0.02	5.2e+6	B	0.014	1w, 8t
4204.724	2	23776.08					0.014	1
4205.550	12	23771.41	$21453°_1$ – 45225_0	0.09			0.014	1
4206.164	2	23767.94	28291_3 – $52059°_4$	0.04			0.014	1
4206.236	15	23767.53	29460_7 – $53228°_6$	0.09			0.014	1
4207.052	50	23762.92	19648_6 – $43411°_7$	–0.04			0.014	1
4207.71	1	23759.21	23930_3 – $47689°_4$	–0.04			0.014	1
4208.135	2	23756.81	28720_1 – $52477°_1$	0.12			0.014	1
4208.888	3	23752.56					0.014	1
4209.50	2	23749.1					0.014	1
4209.776	3	23747.55					0.014	1
4210.185	5	23745.24	28233_5 – $51978°_6$	0.00			0.014	1
4212.886	5	23730.02					0.014	1
4214.056	4	23723.43	28291_3 – $52015°_3$	0.03			0.014	1
4214.954	6	23718.37	20174_0 – $43892°_1$	–0.05			0.014	1
4215.376	25	23716.00	19535_5 – $43251°_4$	0.01	3.7e+6	B	0.014	1w, 8t
4215.548	2w	23715.03	29479_4 – $53194°_5$	0.10			0.014	1
4216.048	2w	23712.22	28347_3 – $52059°_4$	0.04			0.014	1
4216.797	2w	23708.01	24610_3 – $48318°_2$	0.05			0.014	1
4218.552	15	23698.14	18280_2 – $41978°_2$	0.00	2.2e+6	C	0.014	1w, 8t
4219.011	2	23695.57	27213_4 – $50909°_4$	–0.08			0.014	1
4219.372	80	23693.54	6219_4 – $29912°_3$	0.02	6.1e+5	B	0.014	1w, 7t
4220.273	6	23688.48	13777_2 – $37466°_2$	–0.11			0.014	1
			28392_6 – $52081°_5$	0.09				1
4220.534	5	23687.02	19827_3 – $43514°_2$	0.02			0.014	1
4221.717	6	23680.38	27213_4 – $50894°_3$	0.08			0.014	1
4222.045	20	23678.54	15069_5 – $38748°_4$	0.03			0.014	1
4223.978	4	23667.70	28347_3 – $52015°_3$	0.02			0.014	1
4224.763	20	23663.30	23930_3 – $47593°_3$	–0.06			0.014	1
4225.260	3w	23660.52					0.014	1
4225.627	3w	23658.47					0.014	1

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
4226.338	20	23654.49	19256_4 – $42910°_4$	–0.01			0.014	1
4226.503	4	23653.56	22852_4 – $46506°_5$	–0.01			0.014	1
4226.915	25	23651.26	18082_1 – $41734°_2$	–0.04	3.7e+6	C	0.014	1w, 8t
4229.792	1	23635.17	$27488°_3$ – 51123_4	0.14			0.014	1
4230.150	2*w*	23633.17	24610_3 – $48244°_2$	–0.24			0.014	1
			26861_2 – $50494°_2$	0.27				1
4231.320	8	23626.64	18974_3 – $42601°_3$	–0.04			0.014	1
4231.734	12	23624.33	23455_1 – $47079°_2$	–0.05			0.014	1
4231.938	4	23623.19	27849_5 – $51473°_4$	–0.05			0.014	1
4232.035	2	23622.64	28233_5 – $51856°_4$	–0.02			0.014	1
4232.996	20	23617.28	18116_2 – $41734°_2$	–0.01	3.5e+6	C	0.014	1w, 8t
4234.345	40	23609.76	19256_4 – $42866°_5$	0.00			0.014	1
4236.622	8	23597.07	13307_1 – $36904°_2$	0.01			0.014	1
4237.487	2	23592.25	27213_4 – $50806°_5$	0.00			0.014	1
4240.140	15	23577.49	18116_2 – $41694°_3$	–0.01			0.014	1
4240.913	3	23573.19	29430_3 – $53003°_2$	–0.03			0.014	1n, 3
4241.445	100	23570.24	15460_3 – $39030°_2$	0.00	1.07e+7	B	0.014	1w, 8t
4243.350	8	23559.65	24610_3 – $48170°_3$	–0.02			0.014	1
4243.630	20	23558.10	18974_3 – $42532°_4$	–0.01			0.014	1
4244.088	1	23555.56	13348_3 – $36904°_2$	–0.04			0.014	1
4244.364	200	23554.03	6219_4 – $29773°_5$	0.02	1.38e+6	B	0.014	1w, 7t
4245.557	10	23547.41	20427_1 – $43975°_2$	0.03			0.014	1
4247.006	1	23539.37	18974_3 – $42514°_3$	–0.26			0.014	1
4248.852	5	23529.15	24789_2 – $48318°_2$	–0.03			0.014	1
4249.452	20	23525.83	13348_3 – $36874°_3$	0.03	1.88e+6	B	0.014	1w, 8t
4250.812	10	23518.30					0.014	1
4250.894	5	23517.84	22773_0 – $46291°_1$	–0.01			0.014	1
4251.880	5	23512.39	23930_3 – $47442°_2$	–0.06			0.014	1
4253.242	3	23504.86					0.014	1
4254.052	12	23500.39	18082_1 – $41583°_2$	0.02			0.014	1
4254.284	15	23499.10	19535_5 – $43034°_5$	0.01			0.014	1
4254.675	2	23496.94	17701_3 – $41198°_4$	–0.02			0.014	1
4255.594	3	23491.87	29853_4 – $53345°_3$	0.01			0.014	1
4257.978	3	23478.72	31077_2 – $54556°_3$	0.09			0.014	1n, 3
4258.458	10	23476.07	17107_4 – $40583°_4$	0.01	1.36e+6	C	0.014	1w, 8t
4258.524	5	23475.71	18974_3 – $42450°_4$	–0.02			0.014	1
4258.626	1	23475.15	18974_3 – $42449°_2$	0.06			0.014	1
4259.351	80	23471.16	$21448°_2$ – 44919_2	0.08			0.014	1
4259.932	12	23467.95	17008_6 – $40476°_5$	0.03			0.014	1
4260.130	2	23466.86	$26189°_3$ – 49656_3	0.02			0.014	1

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
4260.22		23466.36	18116_2 – $41583°_2$	0.00	1.74e+7	B	0.014	8
4260.287	30	23466.00	$21453°_1$ – 44919_2	0.06			0.014	1
4260.511	3	23464.76	20427_1 – $43892°_1$	–0.02			0.014	1
4260.652	2	23463.99	20983_2 – $44447°_3$	–0.01			0.014	1
4260.86	2	23462.84	$33370°_5$ – 56832_6	–0.02			0.014	1
4262.267	4	23455.09	29430_3 – $52885°_2$	0.09			0.014	1n, 3
4263.304	50	23449.39	$23047°_3$ – 46496_3	0.08			0.014	1
4264.664	1	23441.91	26861_2 – $50303°_3$	–0.23			0.014	1
4264.840	5	23440.94	27849_5 – $51290°_5$	0.01			0.014	1
4264.980	10	23440.17					0.014	1
4266.538	20	23431.61	23930_3 – $47361°_3$	–0.05			0.014	1
4266.822	3	23430.06	23930_3 – $47360°_4$	–0.05			0.014	1
4267.745	6	23424.99	19826_5 – $43251°_4$	0.03			0.014	1
4268.045	12	23423.34	19827_3 – $43251°_4$	0.02	1.48e+6	B	0.014	1w, 8t
4269.382	200	23416.01	2951_3 – $26367°_2$	0.02	3.04e+6	B	0.014	1w, 7t
4269.774	40	23413.86	18280_2 – $41694°_3$	0.00	5.1e+6	B	0.014	1w, 8t
4270.900	10	23407.68	23930_3 – $47337°_2$	–0.03			0.014	1
4271.228	4?	23405.89					0.014	1
4271.695	1	23403.33	17701_3 – $41104°_2$	–0.01			0.014	1
4272.300	8	23400.01	19827_3 – $43227°_2$	0.03			0.014	1
4272.985	1*w*	23396.26	28204_2 – $51600°_3$	–0.06			0.014	1
4273.210	2	23395.03	29460_7 – $52855°_6$	0.03			0.014	1
4273.356	5	23394.23					0.014	1
4273.688	20	23392.41	22476_4 – $45869°_4$	–0.01	2.4e+6	C	0.014	1w, 8t
4273.850	5	23391.53					0.014	1
4274.136	1*w*	23389.96					0.014	1
4274.548	100	23387.71	$20064°_1$ – 43451_1	0.03			0.014	1
4274.932	10	23385.61	19648_6 – $43034°_5$	0.05			0.014	1
4275.142	6	23384.46	20983_2 – $44367°_2$	–0.02			0.014	1
4275.486	50	23382.58	18116_2 – $41499°_3$	–0.01	9.3e+6	B	0.014	1w, 8t
4275.800	6	23380.86	24789_2 – $48170°_3$	–0.03			0.014	1
4276.016	20	23379.68	14976_2 – $38355°_1$	0.02			0.014	1
4276.740	60	23375.72	19535_5 – $42910°_4$	–0.01			0.014	1
4277.310	3	23372.60					0.014	1
4277.703	3	23370.46	20983_2 – $44353°_1$	0.02			0.014	1
4277.898	4	23369.39	17107_4 – $40476°_5$	–0.02			0.014	1
4278.405	12	23366.62	13307_1 – $36673°_2$	0.02			0.014	1
4280.280	1*w*	23356.39	32135_4 – $55492°_5$	0.11			0.014	1
4280.540	2	23354.97	23982_2 – $47337°_2$	–0.02			0.014	1
4280.760	4	23353.77					0.014	1

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
4281.210	4	23351.32	23455_1 – $46806°_2$	–0.11			0.014	1
4281.898	3	23347.57	19253_2 – $42601°_3$	–0.06			0.014	1
4282.040	2	23346.79					0.014	1
4282.345	30	23345.13	12161_4 – $35507°_5$	0.02			0.014	1
4282.377		23344.95	19256_4 – $42601°_3$	0.00	2.07e+6	B	0.014	8
4282.723	2	23343.07	28720_1 – $52064°_2$	–0.13			0.014	1
4282.922	1	23341.98	31077_2 – $54419°_1$	0.11			0.014	1n, 3
4283.180	1*l*	23340.57	29853_4 – $53194°_5$	–0.02			0.014	1
4283.800	20	23337.20	12161_4 – $35499°_3$	0.01	1.69e+5	C	0.014	1w, 7t
4284.359	3	23334.15					0.014	1
4284.964	25	23330.86	19535_5 – $42866°_5$	–0.13			0.014	1
			22773_0 – $46104°_1$	0.02				1
4286.008	30	23325.17	13348_3 – $36673°_2$	0.03			0.014	1
4286.208	6	23324.08	26861_2 – $50185°_3$	0.02			0.014	1
4286.982	2	23319.87	19253_2 – $42573°_1$	–0.06			0.014	1
4287.914	1*w*	23314.81	28291_3 – $51606°_2$	–0.09			0.014	1
4288.350	2	23312.44	22476_4 – $45789°_5$	–0.02			0.014	1
4290.138	10	23302.72	18280_2 – $41583°_2$	0.00			0.014	1
4290.530	2	23300.59	33201_5 – $56502°_4$	0.10			0.014	1n, 3
4291.502	3	23295.31	30374_2 – $53669°_2$	0.15			0.014	1
4292.149	1	23291.80					0.014	1
4292.730	4	23288.65	16431_4 – $39719°_4$	0.00			0.014	1
4293.110	2	23286.59	$27662°_2$ – 50949_1	0.04			0.014	1
4293.280	2	23285.66					0.014	1
4293.535	3	23284.28					0.014	1
4294.097	30	23281.24	13307_1 – $36588°_0$	0.02			0.014	1
4294.606	800	23278.48	2951_3 – $26229°_2$	0.00	1.24e+7	A	0.014	1w, 8t
4294.996	12	23276.36	19256_4 – $42532°_4$	–0.02			0.014	1
4295.683	6	23272.64	23982_2 – $47255°_1$	–0.11			0.014	1
4297.140	3	23264.75	29853_4 – $53118°_4$	0.12			0.014	1
4297.860	3*w*	23260.85	19253_2 – $42514°_3$	0.27			0.014	1
4298.410	10	23257.88	19256_4 – $42514°_3$	–0.02			0.014	1
4302.110	200	23237.88	2951_3 – $26189°_3$	–0.03	3.6e+6	B	0.015	1w, 7t
4302.897	4	23233.62	$27889°_4$ – 51123_4	0.16			0.015	1
4303.528	3	23230.22	14976_2 – $38206°_3$	0.02			0.015	1
4304.934	3	23222.63	17701_3 – $40923°_3$	–0.02			0.015	1
4305.318	3	23220.56					0.015	1
4305.614	10	23218.96	18280_2 – $41499°_3$	0.01			0.015	1
4306.325	4	23215.13	16431_4 – $39646°_3$	0.03			0.015	1
4306.870	60	23212.19	$24763°_4$ – 47975_4	0.04			0.015	1

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
4307.638	50	23208.06	19826_5 – $43034°_5$	0.00	5.4e+6	B	0.015	1w, 8t
4308.496	4	23203.43	$33370°_5$ – 56573_5	–0.07			0.015	1
4308.944	15	23201.02	22476_4 – $45677°_3$	0.01			0.015	1
4309.260	4w	23199.32	$30586°_3$ – 53786_4	–0.04			0.015	1
4309.864	8	23196.07	19253_2 – $42449°_2$	0.03			0.015	1
4310.248	20	23194.00	19256_4 – $42450°_4$	0.00			0.015	1
4311.084	6	23189.50	15069_5 – $38259°_4$	0.03			0.015	1
4311.290	3	23188.39					0.015	1
4312.336	15	23182.77	16431_4 – $39614°_5$	0.03			0.015	1
4314.424	2	23171.55	32217_3 – $55389°_3$	0.16			0.015	1n, 3
4314.625	1	23170.47	$27778°_1$ – 50949_1	–0.10			0.015	1
4315.237	6	23167.18	17701_3 – $40868°_2$	–0.04			0.015	1
4315.486	3	23165.85					0.015	1
4316.574	2	23160.01					0.015	1
4316.802	20	23158.79	23455_1 – $46613°_0$	0.11			0.015	1
4317.650	2	23154.24					0.015	1
4318.570	8	23149.30	23930_3 – $47079°_2$	–0.02			0.015	1
4318.760	4	23148.29					0.015	1
4319.865	4	23142.37					0.015	1
4320.479	3	23139.08	29853_4 – $52992°_4$	0.05			0.015	1
4320.985	3	23136.37					0.015	1
4322.124	2	23130.27					0.015	1
4322.740	12	23126.97	17107_4 – $40233°_4$	0.01			0.015	1
4323.280	4	23124.09					0.015	1
4326.960	4	23104.42	26861_2 – $49966°_3$	0.03			0.015	1
4327.400	3	23102.07	27849_5 – $50951°_6$	0.01			0.015	1
4328.408	2	23096.69	13777_2 – $36874°_3$	0.04			0.015	1
4328.782	1w	23094.70					0.015	1
4330.306	2	23086.57	$28198°_1$ – 51285_0	0.01			0.015	1
4330.658	20	23084.69	19826_5 – $42910°_4$	–0.01			0.015	1
4330.967	30	23083.04	19827_3 – $42910°_4$	–0.02			0.015	1
4331.620	2w	23079.56					0.015	1
4332.130	25	23076.85	14976_2 – $38053°_3$	–0.02			0.015	1
4332.536	4	23074.68	22476_4 – $45551°_3$	0.04			0.015	1
4333.760	2	23068.17					0.015	1
4336.326	4w	23054.52					0.015	1
4337.630	3	23047.59					0.015	1
4338.213	3	23044.49	18082_1 – $41127°_0$	–0.06			0.015	1
4338.288	4	23044.09	$29139°_3$ – 52183_2	0.01			0.015	1
4338.727	3	23041.76	3325_2 – $26367°_2$	0.01	6.e+3	E	0.015	1w, 7t

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
4339.070	8	23039.94	19826_5 – $42866°_5$	–0.02			0.015	1
4339.446	15	23037.94	20983_2 – $44021°_3$	–0.04			0.015	1
4340.270	2	23033.57					0.015	1
4340.90	2*w*	23030.22	24789_2 – $47819°_1$	–0.06			0.015	1
4341.124	4	23029.04					0.015	1
4341.61	3	23026.46					0.015	1
4342.53	1	23021.58	23484_6 – $46506°_5$	–0.01			0.015	1
4342.781	6	23020.25					0.015	1
4343.533	2	23016.27	22852_4 – $45869°_4$	–0.03			0.015	1
4344.376	3	23011.80	32378_1 – $55390°_2$	0.04			0.015	1
4344.634	4	23010.43					0.015	1
4344.963	8	23008.69	19253_2 – $42262°_1$	–0.05			0.015	1
4345.828	20	23004.11	18974_3 – $41978°_2$	0.00	4.3e+6	C	0.015	1w, 8t
4346.280	6	23001.72	23930_3 – $46931°_4$	–0.04			0.015	1
4346.977	30	22998.03	19253_2 – $42251°_3$	0.08	4.1e+6	B	0.015	1w, 8t
4347.495	20	22995.29	19256_4 – $42251°_3$	0.02	2.62e+6	B	0.015	1w, 8t
4348.108	20	22992.05	20983_2 – $43975°_2$	–0.15	1.45e+7	B	0.015	1w, 8t
4348.927	1	22987.72	18116_2 – $41104°_2$	0.04			0.015	1
4348.995	5	22987.36	$29195°_2$ – 52183_2	0.00			0.015	1
4351.097	2*w*	22976.25					0.015	1
4351.336	2*w*	22975.00	22476_4 – $45451°_5$	0.03			0.015	1
4352.110	2*w*	22970.90	37414_3 – $60385°_4$	–0.08			0.015	1n, 3
4353.10	10	22965.68					0.015	1
4353.29	8	22964.68	17701_3 – $40665°_3$	0.01			0.015	1
4354.72	6	22957.14	29479_4 – $52436°_4$	0.02			0.015	1
4354.90	6	22956.19	27849_5 – $50806°_5$	–0.08			0.015	1
4355.166	40	22954.79	12161_4 – $35116°_4$	–0.03	5.1e+5	B	0.015	1w, 7t
4359.37	2	22932.65	33569_4 – $56502°_4$	0.08			0.015	1n, 3
4359.663	3	22931.11	15069_5 – $38001°_4$	–0.08			0.015	1
4361.066	10	22923.73	27213_4 – $50137°_5$	0.00			0.015	1
4361.534	8	22921.28	31389_5 – $54310°_5$	0.06			0.015	1
4361.814	25	22919.80	6219_4 – $29139°_3$	0.01	1.64e+5	B	0.015	1w, 7t
4362.228	3	22917.63					0.015	1
4362.670	3	22915.30	19535_5 – $42450°_4$	0.07			0.015	1
4363.754	3	22909.61	20983_2 – $43892°_1$	0.01			0.015	1
4364.40	3	22906.22	35299_4 – $58206°_3$	0.04			0.015	1n, 3
4364.778	40	22904.24	3325_2 – $26229°_2$	0.00	1.8e+5	C	0.015	1w, 7t
4365.954	15	22898.07	28392_6 – $51290°_5$	0.04			0.015	1
4366.073	20	22897.44	18974_3 – $41871°_4$	0.01			0.015	1
4366.346	6	22896.01	13777_2 – $36673°_2$	0.02			0.015	1

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
4368.762	12	22883.35	13307_1 – $36190°_1$	–0.04			0.015	1
4369.045	10	22881.87	17701_3 – $40583°_4$	–0.02			0.015	1
4370.795	5	22872.71	23455_1 – $46327°_2$	–0.02			0.015	1
4371.732	10	22867.80	20983_2 – $43850°_3$	–0.02			0.015	1
4372.522	40	22863.67	3325_2 – $26189°_3$	0.00	1.1e+5	B	0.015	1w, 7t
4373.063	3*w*	22860.84					0.015	1
4377.460	1	22837.88	26861_2 – $49699°_2$	–0.04			0.015	1
4378.484	50	22832.54	4830_3 – $27662°_2$	0.02	3.48e+5	B	0.015	1w, 7t
4379.048	2	22829.60	34302_4 – $57131°_3$	–0.14			0.015	1
4380.118	12	22824.02	27670_1 – $50494°_2$	–0.04			0.015	1
			18280_2 – $41104°_2$	–0.02				1
4381.862	5	22814.94	32217_3 – $55032°_2$	0.18			0.015	1n, 3
4384.850	40	22799.39	15460_3 – $38259°_4$	0.00	3.1e+6	C	0.015	1w, 8t
4385.168	5	22797.74	14976_2 – $37773°_1$	–0.04			0.015	1
			$29139°_3$ – 51936_2	0.02				1
4386.770	15	22789.41	20427_1 – $43217°_1$	–0.08	8.4e+6	B	0.015	1w, 8t
4387.450	2	22785.88	22476_4 – $45262°_4$	0.01			0.015	1
4389.837	20	22773.49	19827_3 – $42601°_3$	–0.02	2.06e+6	B	0.015	1w, 8t
4391.115	3	22766.87					0.015	1
4392.510	1	22759.63	18974_3 – $41734°_2$	0.01			0.015	1
4394.074	30	22751.53	18116_2 – $40868°_2$	–0.03	3.2e+6	B	0.015	1w, 8t
4394.510	3	22749.28	24610_3 – $47360°_4$	–0.03			0.015	1
4395.077	10	22746.34	15460_3 – $38206°_3$	–0.03			0.015	1
4397.518	3	22733.71	13348_3 – $36082°_4$	–0.03	3.3e+4	E	0.015	1w, 7t
4398.270	2*w*	22729.83	31389_5 – $54118°_4$	0.13			0.015	1
4398.698	1	22727.62					0.015	1
4398.850	2	22726.83	24610_3 – $47337°_2$	–0.08			0.015	1
4399.194	1	22725.05	19253_2 – $41978°_2$	–0.01			0.015	1
4399.317	1	22724.42	28347_3 – $51072°_3$	–0.16			0.015	1
4400.203	12	22719.85	18974_3 – $41694°_3$	0.02	1.12e+6	C	0.015	1w, 8t
4400.850	2	22716.50					0.015	1
4401.316	2	22714.10					0.015	1
4402.652	3	22707.21	$28198°_1$ – 50906_1	–0.09			0.015	1n
4403.274	6	22704.00	19535_5 – $42239°_6$	–0.05			0.015	1
4403.947	40	22700.53	17008_6 – $39709°_7$	–0.01			0.015	1
4404.458	4	22697.89	14976_2 – $37674°_3$	–0.01			0.015	1
4405.024	3	22694.98	23930_3 – $46625°_4$	0.01			0.015	1
4405.996	1	22689.97	28204_2 – $50894°_3$	0.05			0.015	1
4406.390	8	22687.94	18082_1 – $40770°_1$	–0.01			0.015	1
4406.676	4	22686.47	19827_3 – $42514°_3$	0.01			0.015	1

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
4406.88	2	22685.42					0.015	1
4408.282	50	22678.20	$26676°_5$ – 49354_5	0.00			0.015	1
4408.706	8	22676.02	28233_5 – $50909°_4$	–0.01			0.015	1
4409.946	2	22669.65					0.015	1
4412.188	40	22658.13	4830_3 – $27488°_3$	0.02			0.015	1
			3325_2 – $25983°_1$	0.06				1
4413.006	5	22653.93	18116_2 – $40770°_1$	–0.01			0.015	1
4413.240	2	22652.73	26861_2 – $49514°_3$	0.03			0.015	1
4413.860	4	22649.55	23455_1 – $46104°_1$	–0.05			0.015	1
4415.075	25	22643.31	18280_2 – $40923°_3$	–0.04			0.015	1
4415.703	12	22640.09	22476_4 – $45116°_4$	0.00			0.015	1
4418.441	15	22626.06	20427_1 – $43053°_0$	0.02			0.015	1
4418.811	6	22624.17	19826_5 – $42450°_4$	–0.03			0.015	1
4419.247	12	22621.94	19827_3 – $42449°_2$	0.02			0.015	1
4420.463	40	22615.72	19256_4 – $41871°_4$	0.02			0.015	1
4420.998	20	22612.98	17107_4 – $39719°_4$	0.03			0.015	1
4421.836	15	22608.69	18974_3 – $41583°_2$	0.00			0.015	1
4422.447	3	22605.57	17008_6 – $39614°_5$	0.02			0.015	1
4423.507	2*s*	22600.15	22773_0 – $45374°_1$	–0.07			0.015	1
4423.769	20	22598.81	22852_4 – $45451°_5$	–0.04			0.015	1
4424.888	8	22593.10	15460_3 – $38053°_3$	0.06			0.015	1
4425.912	30	22587.87	18280_2 – $40868°_2$	–0.05	2.81e+6	B	0.015	1w, 8t
4427.366	8	22580.45	29479_4 – $52059°_4$	–0.01			0.015	1
4428.476	6	22574.79	27213_4 – $49788°_4$	0.03			0.015	1
4430.830	2	22562.8	32826_3 – $55389°_3$	0.1			0.015	1n
			32378_1 – $54941°_1$	0.2				1
4431.522	3	22559.28	28392_6 – $50951°_6$	0.12			0.015	1
4431.963	2	22557.03					0.015	1
4432.175	10	22555.95	33291_6 – $55847°_6$	0.07			0.015	1
4433.482	1*w*	22549.3	33952_3 – $56502°_4$	0.0			0.015	1n
			18116_2 – $40665°_3$	0.3				1
4433.634	2	22548.53					0.015	1
4435.102	3*w*	22541.07	15460_3 – $38001°_4$	–0.04			0.015	1
4435.43	4*w*	22539.4	17107_4 – $39646°_3$	0.0			0.015	1
4435.733	10	22537.86	22476_4 – $45014°_3$	0.00			0.015	1
4436.898	40	22531.94	$23964°_2$ – 46496_3	–0.01			0.015	1
4438.284	25	22524.91	18974_3 – $41499°_3$	–0.01	1.83e+6	B	0.015	1w, 8t
4439.709	12	22517.68	29460_7 – $51978°_6$	–0.02			0.015	1
4441.808	20	22507.04	17107_4 – $39614°_5$	0.00			0.015	1
4442.443	3*w*	22503.82	35299_4 – $57803°_4$	–0.02			0.015	1n
			33291_6 – $55795°_5$	0.14				1

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
4444.066	4	22495.60	20983_2 – $43478°_3$	0.04			0.015	1
4444.440	6	22493.71	$23964°_2$ – 46458_1	0.08			0.015	1
4445.143	30	22490.15	14976_2 – $37466°_2$	0.03			0.015	1
4447.047	1	22480.52	19253_2 – $41734°_2$	–0.05			0.015	1
4449.000	40	22470.65	12161_4 – $34632°_4$	0.01			0.015	1
4450.340	20	22463.89	22476_4 – $44940°_4$	0.00			0.015	1
4452.016	4*w*	22455.43	23930_3 – $46385°_3$	0.05			0.015	1
4453.608	2	22447.40	23455_1 – $45902°_2$	–0.06			0.015	1
4455.458	20	22438.08	19256_4 – $41694°_3$	–0.02	1.33e+6	C	0.015	1w, 8t
4456.096	15	22434.87	27849_5 – $50284°_4$	0.03			0.015	1
4458.086	20	22424.85	13307_1 – $35731°_2$	–0.01	4.2e+5	C	0.015	1w, 7t
4458.284	10	22423.86	19827_3 – $42251°_3$	0.03	1.14e+6	B	0.015	1w, 8t
4458.523	1*wl*	22422.66	27213_4 – $49636°_4$	–0.04			0.015	1
4460.486	40	22412.80	13777_2 – $36190°_1$	0.02	2.93e+6	B	0.015	1w, 8t
4462.514	8	22402.61	23982_2 – $46385°_3$	–0.05			0.015	1
4463.498	12	22397.67	23930_3 – $46327°_2$	0.00			0.015	1
4466.344	50	22383.40	13348_3 – $35731°_2$	0.00	1.5e+6	C	0.015	1w, 7t
4466.742	40	22381.40					0.015	1
4467.68	3	22376.7	29479_4 – $51856°_4$	–0.1			0.015	1
4467.885	1	22375.68	$32957°_3$ – 55333_4	0.14			0.015	1
4468.79	2	22371.14	28347_3 – $50718°_2$	–0.16			0.015	1
4469.714	10	22366.52					0.015	1
4472.514	8	22352.52	17008_6 – $39361°_5$	0.01	1.55e+5	C	0.015	1w, 7t
4474.03	15	22344.94	23982_2 – $46327°_2$	–0.01			0.015	1
4475.64	4	22336.91	19535_5 – $41871°_4$	–0.02			0.015	1
4477.824	4	22326.01	$28797°_4$ – 51123_4	0.11			0.015	1
4478.826	2	22321.02	24610_3 – $46931°_4$	0.06			0.015	1
4479.594	3*w*	22317.19	16431_4 – $38748°_4$	0.06			0.015	1
4481.270	15	22308.84	23982_2 – $46291°_1$	0.01			0.015	1
4484.188	100	22294.33	1670_1 – $23964°_2$	–0.05			0.015	1
			18116_2 – $40411°_1$	0.05				1
4485.091	12*c?*	22289.84	24789_2 – $47079°_2$	0.10			0.015	1
4485.476	4*c*	22287.93	27849_5 – $50137°_5$	0.18			0.015	1
4487.156	4	22279.58	30374_2 – $52653°_2$	0.20			0.015	1
4489.010	25	22270.38	$29912°_3$ – 52183_2	0.03			0.015	1
4490.302	2*c*	22263.97	22852_4 – $45116°_4$	0.00			0.015	1
4492.298	15	22254.08	17107_4 – $39361°_5$	0.08	3.6e+5	C	0.015	1w, 7t
4493.958	20	22245.86	19253_2 – $41499°_3$	–0.01	2.80e+6	B	0.015	1w, 8t
4494.177	1	22244.78	20983_2 – $43227°_2$	0.14			0.015	1

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
4494.497	50	22243.19	19256_4 – $41499°_3$	0.00	3.00e+6	B	0.015	1w, 8t
4495.294	40	22239.25	15069_5 – $37309°_5$	0.02	3.3e+5	C	0.015	1w, 7t
4496.228	5	22234.63					0.015	1
4497.674	5	22227.48	29853_4 – $52081°_5$	0.05			0.015	1
4498.448	15	22223.66	18974_3 – $41198°_4$	0.03			0.015	1
4499.094	3	22220.46					0.015	1
4501.103	3	22210.55	26861_2 – $49072°_3$	0.05			0.016	1
4502.590	4	22203.21					0.016	1
4503.136	3	22200.52	33291_6 – $55492°_5$	0.10			0.016	1
4504.133	30	22195.60	24610_3 – $46806°_2$	0.03			0.016	1
4504.838	60	22192.13	12161_4 – $34354°_3$	0.01	7.0e+5	B	0.016	1w, 7t
4509.300	4*w*	22170.17	29430_3 – $51600°_3$	0.15			0.016	1n, 3
4509.753	2	22167.95	$27488°_3$ – 49656_3	0.02			0.016	1
4510.276	2	22165.38	13777_2 – $35943°_3$	–0.08			0.016	1
4511.301	3*w*	22160.34					0.016	1
4512.880	50	22152.58	18116_2 – $40269°_3$	0.07			0.016	1
4513.252	60	22150.76	19827_3 – $41978°_2$	–0.18			0.016	1
			13348_3 – $35499°_3$	0.17				1
4514.284	5	22145.70	20427_1 – $42573°_1$	0.05			0.016	1
4515.860	4	22137.97	23930_3 – $46068°_3$	0.03	9.1e+6	C	0.016	1w, 8t
4516.620	2	22134.24					0.016	1
4517.344	12	22130.70	18280_2 – $40411°_1$	0.06	3.5e+6	B	0.016	1w, 8t
4519.153	15	22121.83	23982_2 – $46104°_1$	0.01			0.016	1
4519.950	6*w*	22117.94					0.016	1
4522.200	5*w*	22106.93					0.016	1
4526.114	4	22087.82	22852_4 – $44940°_4$	0.05			0.016	1
4528.443	2	22076.45	15069_5 – $37146°_4$	0.02	3.8e+4	D	0.016	1w, 7t
4529.740	20	22070.14	22476_4 – $44546°_5$	0.06			0.016	1
4530.448	25	22066.69	12161_4 – $34228°_3$	0.05			0.016	1
4534.685	30	22046.07	19826_5 – $41871°_4$	0.17			0.016	1
4535.031	30	22044.38	19827_3 – $41871°_4$	0.12			0.016	1
4535.389	2	22042.64	29430_3 – $51473°_4$	0.10			0.016	1n, 3
4536.636	40	22036.58	28392_6 – $50429°_6$	0.10			0.016	1
4539.674	4	22021.84	20427_1 – $42449°_2$	0.08			0.016	1
4540.279	5	22018.91	17701_3 – $39719°_4$	0.13			0.016	1
4542.873	30	22006.33	15460_3 – $37466°_2$	0.04			0.016	1
4543.245	8	22004.53	13307_1 – $35311°_2$	0.07			0.016	1
4543.491	60	22003.34	$21448°_2$ – 43451_1	0.12			0.016	1
4544.545	10	21998.24	$21453°_1$ – 43451_1	0.16			0.016	1
4546.469	50	21988.93	18280_2 – $40269°_3$	0.06			0.016	1

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
4549.510	6	21974.23	27213_4 – $49187°_5$	0.13			0.016	1
4550.280	8	21970.51	22476_4 – $44447°_3$	0.17			0.016	1
4551.820	100	21963.08	$33370°_5$ – 55333_4	0.00			0.016	1
			13348_3 – $35311°_2$	0.08				1
4552.500	25	21959.80	12161_4 – $34121°_4$	0.08	1.42e+5	C	0.016	1w, 7t
4553.639	6	21954.30	13777_2 – $35731°_2$	0.05			0.016	1
4554.664	2	21949.36	18974_3 – $40923°_3$	0.04			0.016	1
4555.297	4	21946.32					0.016	1
4555.528	3	21945.20	17701_3 – $39646°_3$	–0.03			0.016	1
4556.190	4	21942.01	19256_4 – $41198°_4$	0.11			0.016	1
4556.828	20	21938.94	23930_3 – $45869°_4$	–0.08			0.016	1
			27849_5 – $49788°_4$	0.16				1
4558.943	12	21928.76	18082_1 – $40011°_2$	0.09	1.06e+6	B	0.016	1w, 8t
4559.102	12	21928.00	14976_2 – $36904°_2$	0.02	1.72e+6	B	0.016	1w, 8t
4560.474	4	21921.40					0.016	1
4563.570	30	21906.53	19827_3 – $41734°_2$	0.08	4.1e+6	B	0.016	1w, 8t
4564.048	10	21904.23	28233_5 – $50137°_5$	0.12			0.016	1
4565.297	25	21898.24	14976_2 – $36874°_3$	0.06	1.15e+6	B	0.016	1w, 8t
4566.031	1	21894.72	18116_2 – $40011°_2$	0.06			0.016	1
4566.198	8	21893.92	18974_3 – $40868°_2$	0.03			0.016	1
4567.566	12	21887.36					0.016	1
4568.597	4	21882.42	19535_5 – $41417°_6$	–0.09			0.016	1
4570.638	80	21872.66	34302_4 – $56174°_4$	0.07			0.016	1n
			$23047°_3$ – 44919_2	0.13				1
4571.872	10	21866.75	19827_3 – $41694°_3$	0.09			0.016	1
4575.352	2	21850.12					0.016	1
4575.661	3	21848.64	$26229°_2$ – 48078_2	0.09			0.016	1
4578.316	20	21835.97	29460_7 – $51296°_7$	0.03			0.016	1
4579.688	25	21829.43	$32828°_4$ – 54657_3	–0.01			0.016	1
4579.952	4	21828.17	16431_4 – $38259°_4$	0.08			0.016	1
4581.635	3w	21820.15	28898_2 – $50718°_2$	0.21			0.016	1
4584.244	3	21807.74	31077_2 – $52885°_2$	0.04			0.016	1n, 3
4584.536	3	21806.35	34302_4 – $56108°_3$	–0.05			0.016	1
4585.624	3	21801.17					0.016	1
4586.832	40	21795.43	9528_0 – $31323°_1$	0.01	4.20e+5	B	0.016	1w, 7t
4588.734	60	21786.40	$26189°_3$ – 47975_4	0.06			0.016	1
4592.390	20	21769.05	19648_6 – $41417°_6$	0.07			0.016	1
4592.566	15	21768.22	13348_3 – $35116°_4$	0.00	3.4e+5	B	0.016	1w, 7t
4592.907	1	21766.60	$27889°_4$ – 49656_3	0.24			0.016	1
4599.940	40	21733.32	$24763°_4$ – 46496_3	0.09			0.016	1

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
4600.413	15	21731.09	18280_2 – $40011°_2$	0.07	1.00e+6	B	0.017	1w, 8t
4603.270	4	21717.60	33291_6 – $55009°_5$	0.18			0.017	1
4603.410	5	21716.94	24610_3 – $46327°_2$	0.07			0.017	1
4606.998	4w	21700.03	$32957°_3$ – 54657_3	0.05			0.017	1
4607.565	6w	21697.36	14976_2 – $36673°_2$	–0.16			0.017	1
4608.816	8	21691.47	18974_3 – $40665°_3$	0.13			0.017	1
4609.886	25	21686.44	15460_3 – $37146°_4$	0.09	1.42e+6	B	0.017	1w, 7t
4612.987	5	21671.86	19827_3 – $41499°_3$	0.11			0.017	1
4613.296	40	21670.40	6219_4 – $27889°_4$	0.05	1.7e+5	C	0.017	1w, 8t
4613.886	2	21667.63	19256_4 – $40923°_3$	0.04			0.017	1
4614.830	6	21663.20	19535_5 – $41198°_4$	0.07			0.017	1
4616.396	3	21655.85	19256_4 – $40911°_5$	0.11			0.017	1
4619.448	4c	21641.55	17107_4 – $38748°_4$	0.12			0.017	1
4620.520	15	21636.53	19535_5 – $41171°_6$	0.10			0.017	1
4622.266	2	21628.35					0.017	1
4623.140	5	21624.26	18082_1 – $39707°_2$	0.07			0.017	1
4623.645	10	21621.90	16431_4 – $38053°_3$	0.16			0.017	1
4623.768	3	21621.32	23930_3 – $45551°_3$	0.08			0.017	1
4624.446	6	21618.16	20983_2 – $42601°_3$	–0.01			0.017	1
4625.140	8	21614.91	19253_2 – $40868°_2$	0.07			0.017	1
4625.756	4	21612.03					0.017	1
4626.730	3	21607.48					0.017	1
4627.591	6	21603.47	31389_5 – $52992°_4$	–0.14			0.017	1
4629.230	4	21595.81	24789_2 – $46385°_3$	0.01			0.017	1
4629.561	5w	21594.27	22852_4 – $44447°_3$	0.05			0.017	1
4630.139	2	21591.58	19826_5 – $41417°_6$	0.10			0.017	1
4630.372	6	21590.49	20983_2 – $42573°_1$	0.02			0.017	1
4634.786	20	21569.93	16431_4 – $38001°_4$	0.12	8.8e+5	B	0.017	1w, 7t
4635.054	4	21568.68	23982_2 – $45551°_3$	0.16			0.017	1
4636.044	4	21564.07	23455_1 – $45019°_2$	0.07			0.017	1
4637.102	4	21559.15					0.017	1
4637.857	8	21555.64	$29393°_2$ – 50949_1	–0.03			0.017	1
4638.251	2w	21553.82	18082_1 – $39636°_1$	0.03			0.017	1
4639.46	4	21548.2	$32238°_3$ – 53786_4	0.2			0.017	1
4640.270	8	21544.44	22476_4 – $44021°_3$	0.12			0.017	1
4641.764	10	21537.50	20427_1 – $41965°_0$	0.10			0.017	1
			4830_3 – $26367°_2$	0.22				1
4642.530	40	21533.95	13777_2 – $35311°_2$	0.10			0.017	1
4643.116	10	21531.23	20983_2 – $42514°_3$	0.11			0.017	1
4643.446	2	21529.70	18116_2 – $39646°_3$	0.13			0.017	1

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
4644.880	5	21523.05	19648_6 – $41171°_6$	0.15			0.017	1
4645.72	1	21519.16					0.017	1
4646.135	8	21517.24	19253_2 – $40770°_1$	0.02	2.6e+6	E	0.017	1w, 8t
4651.52	3	21492.33	23930_3 – $45422°_2$	0.15			0.017	1
4656.72	4	21468.33					0.017	1
4657.034	4	21466.88	31389_5 – $52855°_6$	–0.02			0.017	1
4657.416	40	21465.12	$27889°_4$ – 49354_5	0.12			0.017	1
4659.867	60	21453.83	0_0 – $21453°_1$	–0.07	1.0e+6	B	0.017	1w, 7t
4661.235	8	21447.54	22476_4 – $43924°_5$	–0.03			0.017	1
4661.975	10	21444.13	15460_3 – $36904°_2$	–0.02	1.73e+6	B	0.017	1w, 8t
4662.642	2	21441.07	28347_3 – $49788°_4$	0.09			0.017	1
4662.94	6	21439.69	33569_4 – $55009°_5$	0.00			0.017	1n
			23982_2 – $45422°_2$	0.23				1
4665.760	4	21426.74	18280_2 – $39707°_2$	0.20			0.017	1
4668.176	2	21415.64	$30586°_3$ – 52002_3	0.03			0.017	1
4668.460	15	21414.34	15460_3 – $36874°_3$	–0.01	1.18e+6	B	0.017	1w, 8t
4668.895	2	21412.35	19253_2 – $40665°_3$	0.06			0.017	1
			13307_1 – $34719°_1$	0.12				1
4671.626	8	21399.83	4830_3 – $26229°_2$	0.06	1.4e+4	D	0.017	1w, 8t
4672.553	2	21395.59					0.017	1
4675.090	4	21383.98					0.017	1
4676.623	20	21376.97	19535_5 – $40911°_5$	0.00			0.017	1
4676.93	2	21375.56					0.017	1
4677.374	4	21373.54					0.017	1
4677.690	20	21372.09	19826_5 – $41198°_4$	–0.01			0.017	1
4678.48	1	21368.48					0.017	1
4679.04	8	21365.92	18280_2 – $39646°_3$	–0.01	1.52e+6	B	0.017	1w, 8t
4680.509	80	21359.22	4830_3 – $26189°_3$	0.02	1.4e+6	B	0.017	1w, 7t
4681.182	5	21356.15	18280_2 – $39636°_1$	0.01			0.017	1
4682.558	6	21349.87	$29773°_5$ – 51123_4	0.07			0.017	1
4683.542	30	21345.39	19826_5 – $41171°_6$	–0.01			0.017	1
4686.00	1	21334.2					0.017	1
4686.373	3	21332.49	23930_3 – $45262°_4$	0.02			0.017	1
4687.118	3	21329.10	17701_3 – $39030°_2$	0.03			0.017	1
4687.612	6	21326.86	19256_4 – $40583°_4$	0.03	1.48e+6	B	0.017	1w, 8t
4689.168	2	21319.78	30374_2 – $51693°_2$	0.13			0.017	1
4690.237	1	21314.92	24789_2 – $46104°_1$	–0.04			0.017	1
4690.62	1	21313.18	28204_2 – $49517°_2$	0.12			0.017	1
4691.55	5	21308.96	26861_2 – $48170°_3$	0.05			0.017	1
4692.112	2	21306.40	20427_1 – $41734°_2$	0.11			0.017	1

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
4693.719	40	21299.11	$26676°_5 - 47975_4$	0.05			0.017	1
4694.636	6	21294.95	$34302_4 - 55596°_4$	0.09			0.017	1n
			$18974_3 - 40269°_3$	0.11				1
4695.527	2	21290.90	$32378_1 - 53669°_2$	–0.06			0.017	1
4698.108	8	21279.21	$20983_2 - 42262°_1$	–0.07			0.017	1
4698.62	10	21276.89	$19827_3 - 41104°_2$	0.05			0.017	1
4700.422	15	21268.73	$6219_4 - 27488°_3$	–0.05	6.2e+4	C	0.017	1w, 10t
4701.590	4	21263.45	$19648_6 - 40911°_5$	0.01			0.017	1
4702.17	2	21260.83					0.017	1
4702.47	10	21259.47	$18974_3 - 40233°_4$	0.01	1.23e+6	B	0.017	1w, 8t
4705.64	1	21245.15					0.017	1
4705.834	2	21244.27	$22476_4 - 43720°_4$	0.08			0.017	1
4706.16	8	21242.80	$16431_4 - 37674°_3$	0.03			0.017	1
4709.58	2	21227.38					0.017	1
4709.75	2	21226.61					0.017	1
4710.32	6	21224.04	$27849_5 - 49073°_5$	–0.04			0.017	1
4711.173	12	21220.20	$19256_4 - 40476°_5$	0.02			0.017	1
4712.486	15	21214.29	$14976_2 - 36190°_1$	–0.02	1.57e+6	B	0.017	1w, 8t
4713.355	2	21210.37	$29912°_3 - 51123_4$	0.08			0.017	1
4713.51	2	21209.68	$32135_4 - 53345°_3$	0.10			0.017	1
4713.852	5	21208.14	$12161_4 - 33370°_5$	0.06	2.5e+4	C	0.017	1w, 7t
4714.507	5	21205.19	$15069_5 - 36275°_5$	0.02			0.017	1
4716.864	8	21194.60	$17008_6 - 38203°_6$	–0.02			0.017	1
4718.618	8	21186.72	$23930_3 - 45116°_4$	0.03			0.017	1
4720.392	10	21178.76	$13307_1 - 34485°_2$	0.00	3.22e+5	C	0.017	1w, 7t
4723.076	2	21166.72	$28347_3 - 49514°_3$	–0.02			0.017	1
4725.118	20	21157.57	$19253_2 - 40411°_1$	0.01	3.8e+6	B	0.017	1w, 8t
4725.592	2	21155.45	$9528_0 - 30683°_1$	–0.03			0.017	1
4726.274	5	21152.40	$17107_4 - 38259°_4$	0.01			0.017	1
4728.768	4	21141.24	$23455_1 - 44596°_2$	–0.02			0.017	1
4729.648	20	21137.31	$13348_3 - 34485°_2$	0.01	7.8e+5	B	0.017	1w, 7t
4730.695	4	21132.63	$22852_4 - 43985°_4$	0.02			0.017	1
4731.027	2	21131.15	$33952_3 - 55084°_2$	–0.02			0.017	1n, 3
			$34465_3 - 55596°_4$	0.08				3
4736.036	3	21108.80	$33201_5 - 54310°_5$	0.11			0.017	1n, 3
4736.95	2*w*	21104.72	$34228°_3 - 55333_4$	0.20			0.017	1
4737.86	2*w*	21100.67	$18082_1 - 39183°_1$	0.30			0.017	1
4738.152	4	21099.37	$17107_4 - 38206°_3$	0.00			0.017	1
4741.498	4	21084.48	$23930_3 - 45014°_3$	0.02			0.017	1
4745.586	8*w*	21066.32	$18116_2 - 39183°_1$	–0.04	1.2e+6	C	0.017	1w, 8t

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
4746.785	3*w*	21061.00					0.017	1
4747.964	2	21055.77	29853_4 – $50909°_4$	–0.04			0.017	1
4749.697	5	21048.09	19535_5 – $40583°_4$	0.03	8.7e+5	B	0.017	1w, 8t
4749.909	1	21047.15	17701_3 – $38748°_4$	–0.11			0.017	1
4751.363	6	21040.71	19827_3 – $40868°_2$	–0.01			0.017	1
4752.200	8	21037.00	18974_3 – $40011°_2$	0.01	7.6e+5	B	0.017	1w, 8t
4752.584	8	21035.30	13307_1 – $34342°_1$	–0.04	4.3e+5	B	0.017	1w, 8t
4753.388	6	21031.74	23982_2 – $45014°_3$	0.00			0.017	1
4756.98	3	21015.86	19253_2 – $40269°_3$	0.07			0.017	1
4757.542	30	21013.38	2951_3 – $23964°_2$	0.00	2.72e+5	B	0.017	1w, 7t
4757.781	8	21012.32	15069_5 – $36082°_4$	–0.05	4.1e+5	C	0.017	1w, 7t
4758.197	10	21010.48	23930_3 – $44940°_4$	–0.01			0.017	1
4759.340	2*w*	21005.44	13348_3 – $34354°_3$	–0.08	2.49e+4	C	0.017	1w, 7t
4760.714	3	20999.38					0.017	1
4761.02	3	20998.03	22852_4 – $43850°_3$	–0.01			0.017	1
4765.63	2	20977.72	19256_4 – $40233°_4$	–0.01			0.017	1
4767.782	8	20968.25	29460_7 – $50429°_6$	0.05			0.017	1
4768.057	3	20967.04	14976_2 – $35943°_3$	0.05	6.9e+4	C	0.017	1w, 7t
4770.724	3	20955.32	$23964°_2$ – 44919_2	0.15			0.017	1
4772.492	8	20947.56	18082_1 – $39030°_2$	0.14			0.017	1
4773.845		20941.62	13777_2 – $34719°_1$	0.00	1.12e+6	B	0.017	8
4773.89	15	20941.42	19535_5 – $40476°_5$	0.01			0.017	1
4777.02	2	20927.70					0.017	1
4780.29	2	20913.40	18116_2 – $39030°_2$	–0.01			0.017	1
4780.50	6	20912.47	23455_1 – $44367°_2$	–0.01			0.017	1
4783.694	2	20898.50	23455_1 – $44353°_1$	0.06			0.017	1
4784.72	1	20894.02	17107_4 – $38001°_4$	–0.09			0.017	1
4787.206	2*wl*	20883.17					0.017	1
4787.925	10	20880.03	13348_3 – $34228°_3$	–0.01			0.017	1
4788.421	10	20877.87	16431_4 – $37309°_5$	0.02	2.6e+5	C	0.017	1w, 7t
4792.806	2	20858.77	$28797°_4$ – 49656_3	–0.03			0.017	1
4797.030	3	20840.40	28233_5 – $49073°_5$	–0.04			0.017	1
4797.546	10	20838.16	19827_3 – $40665°_3$	–0.01	7.2e+5	B	0.017	1w, 8t
4799.907	25	20827.91	19648_6 – $40476°_5$	0.03			0.017	1
4806.31	4*wl*	20800.17	28347_3 – $49147°_4$	–0.18			0.017	1
4807.380	20	20795.54	12161_4 – $32957°_3$	–0.08			0.017	1
4809.642	3	20785.76	32217_3 – $53003°_2$	–0.05			0.017	1n, 3
4810.887	3	20780.38	28291_3 – $49072°_3$	0.12			0.017	1
4812.58	5	20773.07	13348_3 – $34121°_4$	–0.05	8.0e+4	C	0.017	1w, 7t
4816.105	6	20757.86	19253_2 – $40011°_2$	–0.08	7.5e+5	B	0.017	1w, 8t

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
4816.845	8*w*	20754.67	27213_4 – $47968°_4$	–0.13			0.017	1
			23982_2 – $44737°_1$	0.26				1
4817.675	6	20751.10	20983_2 – $41734°_2$	–0.01			0.017	1
4818.358	3	20748.16	$34632°_4$ – 55381_5	–0.24			0.017	1
4826.943	2	20711.26	20983_2 – $41694°_3$	–0.06			0.017	1
4835.01	15	20676.70	20427_1 – $41104°_2$	0.02			0.017	1
4837.48	8	20666.14	23930_3 – $44596°_2$	–0.06			0.017	1
			12161_4 – $32828°_4$	–0.02				1
4843.810	400	20639.14	3325_2 – $23964°_2$	0.00	1.9e+6	B	0.017	1w, 7t
4844.30	6	20637.05	27213_4 – $47850°_5$	0.03			0.017	1
			13307_1 – $33944°_2$	0.09				1
4847.754	8	20622.34	15460_3 – $36082°_4$	0.05			0.017	1
4848.724	3	20618.22	28898_2 – $49517°_2$	–0.08			0.017	1
4853.831	5*w*	20596.53	20174_0 – $40770°_1$	–0.05			0.017	1
4854.082	40	20595.46	13348_3 – $33944°_2$	–0.04			0.017	1
4858.596	12	20576.33	13777_2 – $34354°_3$	–0.04	1.3e+5	B	0.017	1w, 7t
4860.774	4	20567.11	17107_4 – $37674°_3$	0.04			0.017	1
4861.84	3*c*	20562.6					0.017	1
4862.89	2	20558.16	17701_3 – $38259°_4$	–0.06			0.017	1
4863.062	15	20557.43	$28797°_4$ – 49354_5	–0.01			0.017	1
			22476_4 – $43034°_5$	0.01				1
4864.98	3*c*	20549.33	28720_1 – $49270°_2$	0.05			0.017	1
4865.33	3	20547.85	33569_4 – $54117°_3$	0.02			0.017	1n, 3
4866.55	3	20542.70					0.017	1
4868.025	15	20536.47	$30586°_3$ – 51123_4	–0.03			0.017	1
4871.884	3*w*	20520.21	23455_1 – $43975°_2$	0.01			0.017	1
4872.790	10*w*	20516.39	20983_2 – $41499°_3$	–0.02			0.017	1
4874.055	3*w*	20511.07					0.017	1
4875.424	8	20505.31	17701_3 – $38206°_3$	0.11			0.017	1
4876.690	6	20499.98	26861_2 – $47361°_3$	–0.12			0.017	1
4878.28	20	20493.30	18082_1 – $38576°_0$	–0.01			0.017	1
4879.686	4	20487.40	$27488°_3$ – 47975_4	–0.03			0.017	1
4880.713	8	20483.09	15460_3 – $35943°_3$	–0.07	8.4e+4	C	0.017	1w, 7t
4882.122	2	20477.18					0.017	1
4882.528	3	20475.47	27213_4 – $47689°_4$	–0.04			0.017	1
4882.744	3	20474.57	$25983°_1$ – 46458_1	–0.13			0.017	1
4883.520	3	20471.31					0.017	1
4884.541	4	20467.03	31389_5 – $51856°_4$	0.01			0.017	1
4885.225	5	20464.17	23982_2 – $44447°_3$	–0.05			0.017	1
4886.191	2	20460.12	$29195°_2$ – 49656_3	–0.08			0.017	1

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
4886.899	200	20457.16	$6219_4 - 26676°_5$	0.01	8.1e+5	B	0.017	1w, 7t
4887.770	4	20453.51	$19253_2 - 39707°_2$	0.05			0.017	1
4888.371	20	20451.00	$13777_2 - 34228°_3$	0.11			0.017	1
4890.273	25	20443.04	$16431_4 - 36874°_3$	–0.01	1.01e+6	B	0.017	1w, 8t
4890.602	1*w*	20441.67	$19827_3 - 40269°_3$	0.00			0.017	1
4890.872	10	20440.54	$20427_1 - 40868°_2$	–0.02	1.37e+6	B	0.017	1w, 8t
4891.142	2	20439.41	$23484_6 - 43924°_5$	–0.06			0.017	1
4891.621	10	20437.41	$23930_3 - 44367°_2$	–0.01			0.017	1
4892.422	40	20434.06	$22476_4 - 42910°_4$	0.00			0.017	1
4893.165	3	20430.96	$29853_4 - 50284°_4$	–0.02			0.017	1
4896.518	2	20416.97					0.017	1
4896.806	2	20415.77	$27662°_2 - 48078_2$	–0.03			0.017	1
4897.718	1	20411.97					0.017	1
4898.682	2	20407.95	$19826_5 - 40233°_4$	0.02			0.017	1
4899.068	4	20406.34	$19827_3 - 40233°_4$	0.05			0.017	1
4901.033	2	20398.16	$22852_4 - 43251°_4$	–0.04			0.017	1
4902.073	2	20393.84	$26861_2 - 47255°_1$	–0.07			0.017	1
4902.320	25	20392.81	$19253_2 - 39646°_3$	–0.04	2.76e+6	B	0.017	1w, 8t
4902.950	20	20390.19	$19256_4 - 39646°_3$	0.02	2.06e+6	B	0.017	1w, 8t
4903.157	4	20389.32	$22476_4 - 42866°_5$	0.00			0.017	1
4904.32	3*w*	20384.50	$23982_2 - 44367°_2$	–0.20			0.017	1
			$28291_3 - 48676°_4$	0.30				1
4904.67	1	20383.04	$19253_2 - 39636°_1$	–0.02			0.017	1
4905.487	5	20379.64	$27213_4 - 47593°_3$	0.02			0.017	1
4908.894	3	20365.50	$31817°_2 - 52183_2$	–0.07			0.017	1
4910.744	20	20357.83	$19256_4 - 39614°_5$	0.02			0.017	1
4912.192	4	20351.82	$17701_3 - 38053°_3$	–0.05			0.017	1
4913.113	3	20348.01					0.017	1
4914.331	5	20342.97	$20427_1 - 40770°_1$	0.03			0.017	1
4916.178	30	20335.32	$14976_2 - 35311°_2$	–0.06			0.017	1
4916.986	2	20331.98	$29853_4 - 50185°_3$	–0.06			0.017	1
4917.844	3	20328.44	$28347_3 - 48676°_4$	–0.04			0.017	1
4919.807	2	20320.33					0.017	1
4920.802	1	20316.21					0.017	1
4922.496	3	20309.22	$29479_4 - 49788°_4$	–0.04			0.017	1
4922.926	15	20307.45	$26189°_3 - 46496_3$	0.03			0.017	1
4924.561	15	20300.71	$17008_6 - 37309°_5$	0.05	1.75e+5	C	0.017	1w, 7t
4925.112	2*w*	20298.44	$36275°_5 - 56573_5$	0.00			0.017	1
4926.711	6	20291.85	$28392_6 - 48684°_6$	–0.13			0.017	1
4927.510	2	20288.56	$27849_5 - 48138°_5$	–0.02			0.017	1

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
4931.551	50	20271.93	15460_3 – $35731°_2$	–0.02	1.0e+6	C	0.017	1w, 7t
4932.048	2	20269.90	27213_4 – $47483°_3$	0.04			0.017	1
4932.777	4	20266.90	$26229°_2$ – 46496_3	0.05			0.017	1
4933.816	5	20262.63	$29393°_2$ – 49656_3	–0.01			0.017	1
4934.542	2	20259.65	32135_4 – $52395°_5$	0.09			0.017	1
4935.784	2	20254.55	34302_4 – $54556°_3$	0.16			0.017	1
4936.74	2*s*	20250.63					0.017	1
4937.73	1	20246.57					0.017	1
4939.26	2	20240.3	$31817°_2$ – 52057_1	0.1			0.017	1
4940.09	4	20236.9	20174_0 – $40411°_1$	0.0			0.017	1
4941.942	3	20229.31	24789_2 – $45019°_2$	–0.05			0.017	1
4943.21	2*w*	20224.12					0.017	1
4945.089	2*w*	20216.44	$35116°_4$ – 55333_4	0.10			0.017	1
4947.186	3	20207.87					0.017	1
4948.587	10	20202.14	17107_4 – $37309°_5$	–0.01	1.36e+5	D	0.017	1w, 7t
4952.790	3	20185.00	19535_5 – $39719°_4$	0.05			0.017	1
4953.075	15	20183.84	19827_3 – $40011°_2$	0.02	8.3e+5	B	0.017	1w, 8t
4953.713	2	20181.24	22852_4 – $43034°_5$	–0.06			0.017	1
4956.61	2*w*	20169.45					0.017	1
4957.366	30	20166.37	13777_2 – $33944°_2$	0.02			0.017	1
4959.600	3	20157.29	29479_4 – $49636°_4$	0.09			0.017	1
4960.432	1	20153.91					0.017	1
4961.514	5	20149.52	27670_1 – $47819°_1$	0.06			0.017	1
4961.91	2	20147.90	27213_4 – $47361°_3$	–0.02			0.017	1
4962.288	8	20146.37	27213_4 – $47360°_4$	0.00			0.017	1
4967.685	4	20124.48	22476_4 – $42601°_3$	–0.03			0.017	1
4968.428	4	20121.47	20983_2 – $41104°_2$	–0.03			0.017	1
4969.110	2	20118.71	27849_5 – $47968°_4$	–0.11			0.017	1
4970.68	3	20112.36	29853_4 – $49966°_3$	–0.01			0.017	1
4972.56	30	20104.75	19256_4 – $39361°_5$	–0.02	3.9e+5	C	0.017	1w, 7t
4974.024	2	20098.83					0.017	1
4975.260	3	20093.84					0.017	1
4976.00	4	20090.85	23930_3 – $44021°_3$	–0.07			0.017	1
4976.333	10	20089.51	18116_2 – $38206°_3$	–0.03			0.017	1
4977.253	15	20085.80	$27889°_4$ – 47975_4	–0.06			0.017	1
4977.706	4	20083.97	31389_5 – $51473°_4$	0.01			0.017	1
4979.840	50	20075.36	18280_2 – $38355°_1$	0.00			0.017	1
4981.47	2	20068.79					0.017	1
4981.88	2	20067.14	28720_1 – $48788°_1$	–0.04			0.017	1
4982.593	200	20064.27	0_0 – $20064°_1$	–0.03	4.17e+5	B	0.017	1w, 7t

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
4983.529	15	20060.50	19648_6 – $39709°_7$	0.00			0.017	1
4984.16	5	20057.96	22852_4 – $42910°_4$	0.02			0.017	1
4984.698	20	20055.80	18974_3 – $39030°_2$	0.06	9.0e+5	B	0.017	1w, 8t
4986.92	80	20046.86	15069_5 – $35116°_4$	0.01	6.3e+5	C	0.017	1w, 7t
4987.330	3w	20045.21	23930_3 – $43975°_2$	0.07			0.017	1
4988.050	3w	20042.32					0.017	1
4989.08	15	20038.18	23982_2 – $44021°_3$	–0.02			0.017	1
4989.87	5	20035.01	29479_4 – $49514°_3$	–0.01			0.017	1
4990.82	1	20031.19					0.017	1
4991.85	2	20027.06	28291_3 – $48318°_2$	0.10			0.017	1
4992.374	4	20024.96	$34632°_4$ – 54657_3	0.00			0.017	1
4994.083	6	20018.11					0.017	1
4995.29	20	20013.27	22852_4 – $42866°_5$	0.07			0.017	1
5000.49	4	19992.46	23982_2 – $43975°_2$	0.04			0.018	1
5001.072	5	19990.13					0.018	1
5002.79	12	19983.27	20427_1 – $40411°_1$	–0.01	1.09e+6	B	0.018	1w, 8t
5003.933	2	19978.70	28347_3 – $48326°_3$	–0.11			0.018	1
5005.216	4	19973.58	22476_4 – $42450°_4$	0.02			0.018	1
5005.392	6	19972.88	17701_3 – $37674°_3$	–0.02			0.018	1
5006.150	60	19969.86	6219_4 – $26189°_3$	–0.01	1.2e+6	B	0.018	1w, 7t
5007.221	8	19965.58	19648_6 – $39614°_5$	0.07			0.018	1
5008.110	4	19962.04	$31323°_1$ – 51285_0	0.06			0.018	1
5009.874	4	19955.01					0.018	1
5010.366	5w	19953.05					0.018	1
5011.454	3	19948.72					0.018	1
5011.768	1	19947.47	24789_2 – $44737°_1$	–0.08			0.018	1
5012.29	3w	19945.40	$32238°_3$ – 52183_2	0.22			0.018	1
5013.436	10	19940.83	20983_2 – $40923°_3$	0.02			0.018	1
5013.980	4	19938.67	$30586°_3$ – 50525_2	–0.04			0.018	1
			29479_4 – $49417°_3$	0.09				1
5014.57	8	19936.32	18116_2 – $38053°_3$	0.11			0.018	1
5015.304	50	19933.41	4830_3 – $24763°_4$	0.02	5.4e+5	B	0.018	1w, 7t
5017.212	12	19925.83	18280_2 – $38206°_3$	–0.07			0.018	1
5018.504	4	19920.69	23930_3 – $43850°_3$	–0.07			0.018	1
5019.520	3	19916.67	33201_5 – $53118°_4$	–0.01			0.018	1n, 3
5021.324	5	19909.51	23982_2 – $43892°_1$	–0.31			0.018	1
5022.496	5	19904.86	28233_5 – $48138°_5$	–0.08			0.018	1
5023.423	2w	19901.19	37414_3 – $57315°_4$	0.05			0.018	1n, 3
5025.270	5	19893.88	19826_5 – $39719°_4$	–0.04			0.018	1
5025.684	6	19892.24	19827_3 – $39719°_4$	–0.04			0.018	1

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
5027.44	5	19885.29	20983_2 – $40868°_2$	–0.09			0.018	1
5028.934	20	19879.38	$28198°_1$ – 48078_2	–0.04			0.018	1
			32135_4 – $52015°_3$	0.04				1
			19827_3 – $39707°_2$	0.04				1
5029.112	6	19878.68	28291_3 – $48170°_3$	0.01			0.018	1
5029.498	2*w*	19877.15					0.018	1
5031.813	15	19868.01	23982_2 – $43850°_3$	–0.03			0.018	1
5034.364	2*w*	19857.94	28392_6 – $48250°_7$	–0.06			0.018	1
5035.75	4	19852.47	$34121°_4$ – 53974_5	0.05			0.018	1
5035.998	5	19851.50	15460_3 – $35311°_2$	–0.05			0.018	1
5039.028	10	19839.56	27849_5 – $47689°_4$	0.03			0.018	1
5040.360	60	19834.32	13307_1 – $33141°_2$	0.04	5.2e+5	C	0.018	1w, 7t
5041.41	3*w*	19830.19					0.018	1
5041.768	4*w*	19828.78	$26629°_0$ – 46458_1	–0.06			0.018	1
5042.482	3	19825.97	19535_5 – $39361°_5$	–0.03			0.018	1
5044.32	20	19818.74	19827_3 – $39646°_3$	0.01			0.018	1
5044.908	4	19816.44	31077_2 – $50894°_3$	0.12			0.018	1n, 3
5051.41	1*c*	19790.93	23930_3 – $43720°_4$	0.14			0.018	1
5052.23	30	19787.72	20983_2 – $40770°_1$	–0.04	1.1e+6	E	0.018	1w, 8t
5053.276	400	19783.62	1670_1 – $21453°_1$	0.01	1.9e+6	B	0.018	1w, 7t
5054.596	150	19778.46	1670_1 – $21448°_2$	–0.01	3.3e+5	D	0.018	1w, 10t
5055.516	50	19774.86	22476_4 – $42251°_3$	0.03	4.0e+6	B	0.018	1w, 8t
5056.094	4	19772.60	18280_2 – $38053°_3$	0.03			0.018	1
5056.50	2	19771.02					0.018	1
5056.84	2	19769.68					0.018	1
5057.45	2	19767.30	17107_4 – $36874°_3$	–0.05			0.018	1
5058.006	30	19765.12	17701_3 – $37466°_2$	0.00			0.018	1
5059.342	2	19759.90					0.018	1
5062.08	2	19749.20					0.018	1
5063.142	5	19745.07					0.018	1
5063.638	8	19743.14	14976_2 – $34719°_1$	–0.01	1.4e+5	D	0.018	1w, 7t
5064.807	5	19738.58					0.018	1
5065.682	4	19735.17	28233_5 – $47968°_4$	–0.01			0.018	1
5066.573	3	19731.70					0.018	1
5067.19	2	19729.30					0.018	1
5069.118	120	19721.80	3325_2 – $23047°_3$	0.02			0.018	1
5071.515	6	19712.47	19648_6 – $39361°_5$	0.00	3.4e+5	C	0.018	1w, 7t
5071.735	150	19711.62	$29643°_6$ – 49354_5	0.00			0.018	1
5072.504	3	19708.63	29479_4 – $49187°_5$	0.03			0.018	1
5077.010	10	19691.14	18082_1 – $37773°_1$	0.01			0.018	1

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
5079.204	4	19682.63	20983_2 – $40665°_3$	–0.20			0.018	1
5079.922	3	19679.85	22852_4 – $42532°_4$	0.03			0.018	1
5080.72	10	19676.76	28291_3 – $47968°_4$	0.02			0.018	1
5082.00	3	19671.80					0.018	1
5082.722	4	19669.01	28720_1 – $48389°_1$	–0.07			0.018	1
5083.142	4	19667.38	27670_1 – $47337°_2$	0.07			0.018	1
5085.876	5*w*	19656.81	15460_3 – $35116°_4$	0.04	3.0e+4	D	0.018	1w, 7t
5089.982	20	19640.96	27213_4 – $46854°_5$	–0.02			0.018	1
5093.92	2	19625.76	$31323°_1$ – 50949_1	0.17			0.018	1
5094.173	6	19624.80	33569_4 – $53194°_5$	0.08			0.018	1n, 3
5095.02	2*c*	19621.55	$37146°_4$ – 56768_5	–0.15			0.018	1
5096.126	2	19617.28	28233_5 – $47850°_5$	–0.12			0.018	1
5096.50	2	19615.84	28204_2 – $47819°_1$	0.10			0.018	1
5098.25	2	19609.10	13348_3 – $32957°_3$	0.08			0.018	1
5101.276	3*w*	19597.47	22852_4 – $42450°_4$	0.03			0.018	1
5104.643	2	19584.55	23930_3 – $43514°_2$	–0.05			0.018	1
5104.885	1	19583.62	20427_1 – $40011°_2$	–0.04			0.018	1
5105.144	4	19582.62	$31323°_1$ – 50906_1	–0.10			0.018	1
5105.478	20	19581.34	$29773°_5$ – 49354_5	0.00			0.018	1
5106.411	4	19577.76	24789_2 – $44367°_2$	–0.08			0.018	1
5107.78	5	19572.52	33201_5 – $52774°_5$	0.03			0.018	1n, 3
5108.25	2	19570.72					0.018	1
5110.36	15	19562.64	15069_5 – $34632°_4$	–0.03			0.018	1
5111.774	10	19557.23	18116_2 – $37674°_3$	–0.01			0.018	1
5113.90	3*w*	19549.1	23484_6 – $43034°_5$	–0.2			0.018	1
5114.59	3	19546.46	34302_4 – $53848°_4$	–0.13			0.018	1
5115.29	4	19543.78	28720_1 – $48264°_0$	0.04			0.018	1
5117.612	20	19534.91	19826_5 – $39361°_5$	–0.06	1.61e+5	D	0.018	1w, 7t
5118.418	8	19531.84	23982_2 – $43514°_2$	–0.04			0.018	1
5120.553	20	19523.70	$37309°_5$ – 56832_6	–0.04			0.018	1
5123.625	1	19511.99	16431_4 – $35943°_3$	0.13			0.018	1
5124.234	40	19509.67	14976_2 – $34485°_2$	–0.01	4.0e+5	C	0.018	1w, 7t
5125.32	1	19505.54					0.018	1
5127.88	4*c*	19495.80	23982_2 – $43478°_3$	0.02			0.018	1
5128.49	20	19493.48	18280_2 – $37773°_1$	0.00			0.018	1
5128.836	6	19492.17	19256_4 – $38748°_4$	–0.03			0.018	1
5129.81	25	19488.47	22773_0 – $42262°_1$	–0.05			0.018	1
5130.114	50	19487.31	$23964°_2$ – 43451_1	0.00			0.018	1
5131.318	10	19482.74					0.018	1
5132.11	2*c*	19479.72	13348_3 – $32828°_4$	0.16			0.018	1

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
5133.11	20	19475.94	32217_3 – $51693°_2$	0.00			0.018	1n, 3
5136.08	5*w*	19464.66	32135_4 – $51600°_3$	0.08			0.018	1
5136.70	12	19462.34	20174_0 – $39636°_1$	–0.08			0.018	1
5137.63	3	19458.80	$37309°_5$ – 56768_5	–0.10			0.018	1
5137.798	6	19458.17	28392_6 – $47850°_5$	0.03			0.018	1
5138.400	25	19455.88	28233_5 – $47689°_4$	–0.01			0.018	1
5141.248	12	19445.11	17701_3 – $37146°_4$	–0.07	1.12e+5	C	0.018	1w, 7t
5145.453	8	19429.22	32826_3 – $52255°_3$	0.05			0.018	1n, 3
5145.774	25	19428.00	20983_2 – $40411°_1$	–0.10	2.10e+6	B	0.018	1w, 8t
5147.72	3*c*	19420.67	$32957°_3$ – 52378_4	0.03			0.018	1
5148.727	6	19416.86	31389_5 – $50806°_5$	–0.13			0.018	1
			31077_2 – $50494°_2$	0.12				1n
5149.765	3	19412.95					0.018	1
5150.252	4	19411.11	27213_4 – $46625°_4$	–0.12			0.018	1
5150.79	5	19409.09	27670_1 – $47079°_2$	0.17			0.018	1
5151.286	3	19407.22					0.018	1
5153.555	40	19398.67	22852_4 – $42251°_3$	–0.04			0.018	1
5153.880	20	19397.45	28291_3 – $47689°_4$	0.00			0.018	1
5154.462	30	19395.26	22476_4 – $41871°_4$	0.00			0.018	1
5154.904	15	19393.60	18280_2 – $37674°_3$	0.00			0.018	1
5156.722	4	19386.76					0.018	1
5157.618	4	19383.39	18082_1 – $37466°_2$	–0.08			0.018	1
5158.187	15	19381.25	23484_6 – $42866°_5$	0.03			0.018	1
5159.095	2	19377.84	14976_2 – $34354°_3$	–0.06	9.1e+3	D	0.018	1w, 7t
5159.564	3	19376.08					0.018	1
5160.00	5	19374.44	24610_3 – $43985°_4$	–0.09			0.018	1
5160.322	4	19373.24					0.018	1
5161.06	4	19370.46					0.018	1
5162.146	8	19366.39	14976_2 – $34342°_1$	0.13			0.018	1
5162.874	4	19363.66	13777_2 – $33141°_2$	–0.01	2.0e+4	D	0.018	1w, 7t
5163.48	4	19361.39					0.018	1
5166.648	2	19349.52	18116_2 – $37466°_2$	0.06			0.018	1
5168.78	2*w*	19341.53	$34632°_4$ – 53974_5	0.03			0.018	1
5170.65	2	19334.54					0.018	1
5172.626	3	19327.15	$32957°_3$ – 52284_3	–0.03			0.018	1
5173.64	4	19323.36					0.018	1
5174.31	5	19320.86	23930_3 – $43251°_4$	–0.06			0.018	1
5175.732	6	19315.55	32378_1 – $51693°_2$	0.10			0.018	1
5177.76	8	19308.00	28233_5 – $47541°_6$	–0.12			0.018	1
5179.51	10	19301.46	28291_3 – $47593°_3$	–0.10			0.018	1

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
5180.04	3	19299.49					0.018	1
5180.57	1*w*	19297.53	23930_3 – $43227°_2$	–0.05			0.018	1
5181.94	5*w*	19292.41	27213_4 – $46506°_5$	–0.14			0.018	1
5182.30	3*w*	19291.07					0.018	1
5183.586	6	19286.29	20983_2 – $40269°_3$	–0.04			0.018	1
5183.965	40	19284.88	18974_3 – $38259°_4$	–0.01	9.6e+5	B	0.018	1w, 8t
5185.52	2	19279.10	20427_1 – $39707°_2$	–0.08			0.018	1
5187.537	6	19271.60	28898_2 – $48170°_3$	0.01			0.018	1
5188.867	10	19266.66	17008_6 – $36275°_5$	0.06			0.018	1
5189.516	3	19264.25	$37309°_5$ – 56573_5	–0.13			0.018	1
5192.705	40	19252.42	14976_2 – $34228°_3$	0.00			0.018	1
5195.63	40	19241.58	$25983°_1$ – 45225_0	–0.04			0.018	1
5196.49	9	19238.40	28204_2 – $47442°_2$	0.07			0.018	1
5198.28	5	19231.78	18974_3 – $38206°_3$	–0.09			0.018	1
5199.96	2	19225.55	$32957°_3$ – 52183_2	–0.07			0.018	1
5201.44	4	19220.09	29853_4 – $49073°_5$	–0.13			0.019	1
5202.11	2	19217.63	22476_4 – $41694°_3$	–0.03			0.019	1
5203.25	10	19213.39	19535_5 – $38748°_4$	–0.04			0.019	1
5204.52	12	19208.71	20427_1 – $39636°_1$	–0.07	6.8e+6	B	0.019	1w, 8t
5205.18	4	19206.30	26861_2 – $46068°_3$	–0.08			0.019	1
5206.18	12	19202.60	19827_3 – $39030°_2$	0.03	2.49e+6	B	0.019	1w, 8t
5207.78	2	19196.70	29479_4 – $48676°_4$	–0.06			0.019	1
5209.12	5	19191.76	28291_3 – $47483°_3$	–0.04			0.019	1
5210.74	1	19185.78	18280_2 – $37466°_2$	–0.04			0.019	1
5212.34	3	19179.88	13777_2 – $32957°_3$	0.01			0.019	1
5212.81	16	19178.17	$28797°_4$ – 47975_4	–0.13			0.019	1
5214.175	12	19173.15	17701_3 – $36874°_3$	–0.03			0.019	1
5215.55	3	19168.09	17107_4 – $36275°_5$	0.00			0.019	1
5218.194	4	19158.38	$35499°_3$ – 54657_3	–0.03			0.019	1
5218.432	10	19157.51	28204_2 – $47361°_3$	–0.03			0.019	1
5219.22	3	19154.61	32135_4 – $51290°_5$	–0.18			0.019	1
5219.56	2	19153.37	$34632°_4$ – 53786_4	–0.03			0.019	1
5220.354	4*w*	19150.45	28291_3 – $47442°_2$	–0.20			0.019	1
5224.27	4	19136.10	28347_3 – $47483°_3$	0.02			0.019	1
5224.657	250	19134.67	4830_3 – $23964°_2$	0.00	1.2e+6	B	0.019	1w, 7t
5229.127	25	19118.29	23455_1 – $42573°_1$	–0.18			0.019	1
5230.246	2	19114.25					0.019	1
5233.523	150	19102.26	19253_2 – $38355°_1$	–0.02			0.019	1
5239.092	4	19081.96	27849_5 – $46931°_4$	–0.08			0.019	1
5239.786	60	19079.43	13307_1 – $32386°_0$	–0.03			0.019	1

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
5240.782	15	19075.81	16431_4 – $35507°_5$	0.05			0.019	1
5242.56	40	19069.34	$30586°_3$ – 49656_3	–0.06			0.019	1
5242.98	250	19067.81	16431_4 – $35499°_3$	–0.03	1.1e+6	B	0.019	1w, 7t
5243.996	5*w*	19064.11					0.019	1
5245.686	4	19057.97	$36275°_5$ – 55333_4	–0.05			0.019	1
5247.417	25	19051.70	15069_5 – $34121°_4$	–0.05	3.0e+4	D	0.019	1w, 7t
5249.045	3	19045.78	28291_3 – $47337°_2$	–0.13			0.019	1
5250.131	1*w*	19041.84	$33141°_2$ – 52183_2	0.02			0.019	1
5250.406	12	19040.84	26861_2 – $45902°_2$	0.00			0.019	1
5254.542	100	19025.85	15460_3 – $34485°_2$	0.00	3.86e+5	C	0.019	1w, 7t
5255.396	120	19022.76	22476_4 – $41499°_3$	0.01	2.61e+6	B	0.019	1w, 8t
5259.342	300	19008.49	$27488°_3$ – 46496_3	–0.02			0.019	1
5262.818	3	18995.93					0.019	1
5263.215	100	18994.50	23455_1 – $42449°_2$	–0.08			0.019	1
5267.054	6	18980.66	23930_3 – $42910°_4$	0.00			0.019	1
5268.550	80	18975.27	17107_4 – $36082°_4$	–0.02	1.4e+5	C	0.019	1w, 7t
5269.326	100	18972.48	17701_3 – $36673°_2$	–0.04			0.019	1
5274.787	15	18952.83	19253_2 – $38206°_3$	0.01			0.019	1
5275.529	150	18950.17	19256_4 – $38206°_3$	0.03			0.019	1
5278.59	20	18939.18	$29139°_3$ – 48078_2	–0.02			0.019	1
5279.81	5*w*	18934.81					0.019	1
5281.21	5	18929.79					0.019	1
5282.646	4*w*	18924.64	34465_3 – $53390°_3$	0.05			0.019	1n, 3
5283.274	15	18922.40	19826_5 – $38748°_4$	0.00			0.019	1
5283.732	4	18920.76	19827_3 – $38748°_4$	0.00			0.019	1
5284.077	5	18919.52					0.019	1
5285.52	5	18914.35					0.019	1
5287.117	3*w*	18908.64					0.019	1
5288.505	3	18903.68	24610_3 – $43514°_2$	–0.12			0.019	1
5290.637	4	18896.06	30374_2 – $49270°_2$	0.10			0.019	1
5290.774	15	18895.57	31389_5 – $50284°_4$	0.01			0.019	1
5292.486	2	18889.46	13348_3 – $32238°_3$	0.00			0.019	1
5293.034	20	18887.50					0.019	1
5294.449	5	18882.46	$29195°_2$ – 48078_2	–0.02			0.019	1
5295.252	6	18879.59	34465_3 – $53345°_3$	–0.10			0.019	3
			33201_5 – $52081°_5$	0.11				1n, 3
5296.462	20	18875.28	28204_2 – $47079°_2$	0.08			0.019	1
5298.585	8	18867.72	24610_3 – $43478°_3$	0.02			0.019	1
5302.378	15	18854.22	27213_4 – $46068°_3$	0.02			0.020	1
5305.939	12	18841.57	22852_4 – $41694°_3$	0.03			0.020	1

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
5307.459	15	18836.17	$17107_4 - 35943°_3$	0.01	3.7e+4	C	0.020	1w, 7t
5308.036	4	18834.12	$27662°_2 - 46496_3$	0.02			0.020	1
5310.37	4	18825.84	$33569_4 - 52395°_5$	–0.13			0.020	1n, 3
5311.353	20	18822.36	$29853_4 - 48676°_4$	–0.06			0.020	1
			$27849_5 - 46672°_6$	–0.06				1
5311.64	1	18821.34	$18082_1 - 36904°_2$	0.01			0.020	1
5312.282	5	18819.07	$34465_3 - 53284°_2$	–0.02			0.020	1n, 3
			$35299_4 - 54118°_4$	0.11				3
5313.124	6w	18816.09	$26861_2 - 45677°_3$	0.04			0.020	1
5314.384	8w	18811.63					0.020	1
5316.037	5w	18805.78					0.020	1
5317.831	15	18799.43	$19253_2 - 38053°_3$	–0.06			0.020	1
5318.862	40	18795.79	$27662°_2 - 46458_1$	0.01			0.020	1
5320.604	10	18789.64	$29460_7 - 48250°_7$	–0.08			0.020	1
5321.282	3w	18787.24	$18116_2 - 36904°_2$	–0.08			0.020	1
5325.769	6w	18771.41					0.020	1
5326.575	1w	18768.57	$15460_3 - 34228°_3$	–0.02			0.020	1
5326.77	1	18767.89					0.020	1
5327.052	4	18766.89	$38001°_4 - 56768_5$	–0.05			0.020	1
5329.711	5	18757.53	$18116_2 - 36874°_3$	0.01			0.020	1
5332.57	4w	18747.47					0.020	1
5336.23	3	18734.61					0.020	1
5337.348	40	18730.69	$26189°_3 - 44919_2$	0.05			0.020	1
5339.260	8	18723.98	$20983_2 - 39707°_2$	–0.02			0.020	1
5339.940	10	18721.60	$28720_1 - 47442°_2$	–0.05			0.020	1
5343.002	6	18710.87					0.020	1
5344.84	5w	18704.44					0.020	1
5345.887	3w	18700.77	$33952_3 - 52653°_2$	0.04			0.020	1n, 3
5346.193	4w	18699.70	$18974_3 - 37674°_3$	0.13			0.020	1
5346.691	5	18697.96	$30374_2 - 49072°_3$	0.02			0.020	1
5348.058	5w	18693.18					0.020	1
5348.932	60	18690.13	$26229°_2 - 44919_2$	0.06			0.020	1
5349.854	8	18686.90	$33291_6 - 51978°_6$	0.02			0.020	1
5350.434	40	18684.88	$29393°_2 - 48078_2$	–0.04			0.020	1
5351.892	30	18679.79	$27778°_1 - 46458_1$	–0.01			0.020	1
5354.446	50	18670.88	$9528_0 - 28198°_1$	0.04	1.0e+5	C	0.020	1w, 7t
5355.25	25	18668.08	$19535_5 - 38203°_6$	–0.03			0.020	1
5356.601	20	18663.37	$20983_2 - 39646°_3$	–0.02			0.020	1
5357.094	40	18661.65	$15460_3 - 34121°_4$	–0.02	8.4e+4	C	0.020	1w, 7t
5358.32	25	18657.38	$27670_1 - 46327°_2$	0.11			0.020	1

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
5361.41	15	18646.63	22852_4 – $41499°_3$	0.00			0.020	1
5362.864	12	18641.57	34302_4 – $52943°_3$	0.13			0.020	1
5363.337	5w	18639.93	28291_3 – $46931°_4$	–0.03			0.020	1
5363.716	2	18638.61					0.020	1
5365.085	2	18633.86					0.020	1
5367.124	2w	18626.78					0.020	1
5368.014	5	18623.68	18280_2 – $36904°_2$	0.00			0.020	1
5368.685	40	18621.36	28233_5 – $46854°_5$	0.00			0.020	1
5369.534	1w	18618.41	23982_2 – $42601°_3$	0.02			0.020	1
5370.004	4w	18616.79	24610_3 – $43227°_2$	0.01			0.020	1
5371.967	2	18609.98					0.020	1
5372.828	25	18607.00	$27889°_4$ – 46496_3	0.06			0.020	1
5374.138	40	18602.47	23930_3 – $42532°_4$	–0.07			0.020	1
			20427_1 – $39030°_2$	0.06				1
5374.418	15	18601.50					0.020	1
5376.117	2w	18595.62					0.020	1
5376.603	2w	18593.94	18280_2 – $36874°_3$	0.06			0.020	1
5377.488	3	18590.88	18082_1 – $36673°_2$	0.01			0.020	1
5379.438	10w	18584.14	23930_3 – $42514°_3$	0.08			0.020	1
5381.992	10	18575.32	27213_4 – $45789°_5$	0.00			0.020	1
5382.813	4w	18572.49	$38001°_4$ – 56573_5	0.07			0.020	1
5388.004	40	18554.59	19648_6 – $38203°_6$	0.01			0.020	1
5388.584	15	18552.59	$26367°_2$ – 44919_2	0.03			0.020	1
5389.661	3	18548.88	35299_4 – $53848°_4$	0.07			0.020	1n, 3
5391.070	30	18544.04	6219_4 – $24763°_4$	–0.02	8.9e+3	C	0.020	1w, 7t
5392.54	2	18539.0					0.020	1
5392.78	4	18538.16	29430_3 – $47968°_4$	0.04			0.020	1n, 3
5393.81	2	18534.62	28720_1 – $47255°_1$	–0.05			0.020	1
5394.736	10	18531.44	23982_2 – $42514°_3$	0.10			0.020	1
5396.506	5	18525.36					0.020	1
5397.020	25	18523.60	23455_1 – $41978°_2$	0.00			0.020	1
5397.948	30	18520.41	19253_2 – $37773°_1$	0.01			0.020	1
5398.212	8	18519.51	23930_3 – $42449°_2$	–0.01			0.020	1
5399.388	1	18515.47					0.020	1
5399.602	5w	18514.74	28291_3 – $46806°_2$	0.17			0.020	1
5400.289	8	18512.36	26861_2 – $45374°_1$	0.00			0.020	1
5400.936	15	18510.17	23455_1 – $41965°_0$	–0.05			0.020	1
5402.296	3	18505.51	18082_1 – $36588°_0$	0.02			0.020	1
5402.628	1	18504.37	34302_4 – $52806°_3$	–0.15			0.020	1
5404.322	25	18498.57	17008_6 – $35507°_5$	0.00			0.020	1

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
5406.302	15	18491.79	$18974_3 - 37466°_2$	0.00			0.020	1
5408.136	1	18485.52					0.020	1
5408.576	15	18484.02	$15460_3 - 33944°_2$	–0.03			0.020	1
5412.055	1*w*	18472.14	$34302_4 - 52774°_5$	0.08			0.020	1
5412.960	6	18469.05	$13348_3 - 31817°_2$	–0.02			0.020	1
5413.832	10	18466.07	$19535_5 - 38001°_4$	–0.04	1.0e+5	D	0.020	1w, 7t
5414.826	1*w*	18462.68	$28898_2 - 47361°_3$	–0.10			0.020	1
5415.528	12	18460.29	$13777_2 - 32238°_3$	–0.02			0.020	1
5415.974	3	18458.77	$36874°_3 - 55333_4$	0.01			0.020	1
5419.390	40	18447.14	$22476_4 - 40923°_3$	–0.01			0.020	1
5421.858	15	18438.74	$28233_5 - 46672°_6$	–0.04			0.020	1
5422.090	2	18437.95	$24789_2 - 43227°_2$	–0.05			0.020	1
5422.876	40	18435.28	$22476_4 - 40911°_5$	–0.02			0.020	1
5423.21	1	18434.14	$27670_1 - 46104°_1$	0.00			0.020	1
5423.44	12	18433.36	$19826_5 - 38259°_4$	0.00			0.020	1
5423.93	40	18431.70	$19827_3 - 38259°_4$	–0.02	2.9e+5	B	0.020	1w, 8t
5424.63	4	18429.32					0.020	1
5424.91	2	18428.37					0.020	1
5425.10	1	18427.72	$24789_2 - 43217°_1$	0.05			0.020	1
5425.99	2	18424.70	$12161_4 - 30586°_3$	0.02			0.020	1
5427.21	10	18420.56	$19253_2 - 37674°_3$	0.04			0.020	1
5427.99	5	18417.91	$19256_4 - 37674°_3$	0.07			0.020	1
5429.14	3	18414.01	$30374_2 - 48788°_1$	0.15			0.020	1
5430.94	2	18407.91					0.020	1
5433.256	6	18400.06	$17107_4 - 35507°_5$	0.00			0.020	1
5433.884	2	18397.93					0.020	1
5435.032	100	18394.05	$1670_1 - 20064°_1$	0.04	9.0e+4	C	0.020	1w, 7t
5435.59	30	18392.16	$17107_4 - 35499°_3$	0.02	1.2e+5	C	0.020	1w, 7t
5435.75	4	18391.62	$28233_5 - 46625°_4$	0.01			0.020	1
5437.637	2*w*	18385.23					0.020	1
5438.852	8	18381.13	$17701_3 - 36082°_4$	0.01	3.3e+4	E	0.020	1w, 7t
5439.568	15	18378.71	$19827_3 - 38206°_3$	0.01			0.020	1
5440.05	25	18377.08	$19826_5 - 38203°_6$	0.00			0.020	1
5441.11	8	18373.50					0.020	1
5441.696	4	18371.52	$29479_4 - 47850°_5$	0.00			0.020	1
5442.01	1	18370.46	$38203°_6 - 56573_5$	0.04			0.020	1
5443.35	12	18365.94	$31077_2 - 49443°_1$	0.04			0.020	1n, 3
5446.126	5	18356.58	$28898_2 - 47255°_1$	–0.01			0.020	1
5448.90	3	18347.23					0.020	1
5449.454	2	18345.37	$22852_4 - 41198°_4$	0.03			0.020	1

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
5451.79	4	18337.51	27213_4 – $45551°_3$	0.01			0.020	1
5452.49	1	18335.15					0.020	1
5456.58	30	18321.41	23930_3 – $42251°_3$	–0.02			0.020	1
5457.92	12	18316.91	29853_4 – $48170°_3$	0.02			0.020	1
5459.35	3*w*	18312.11					0.020	1
5460.52	3*w*	18308.19					0.020	1
5462.93	1	18300.11	15069_5 – $33370°_5$	0.00	3.e+3	E	0.020	1w, 7t
5464.45	3*w*	18295.02	$32828°_4$ – 51123_4	0.00			0.020	1
5466.95	4	18286.66	$35499°_3$ – 53786_4	–0.19			0.020	1
			33569_4 – $51856°_4$	0.09				1n
5467.53	12	18284.72	29853_4 – $48138°_5$	0.00			0.020	1
5468.60	1	18281.14					0.020	1
5469.092	15	18279.49	28392_6 – $46672°_6$	–0.03			0.020	1
			23982_2 – $42262°_1$	–0.01				1
5469.70	2	18277.46	28347_3 – $46625°_4$	0.01			0.020	1
5469.932	2	18276.68	32217_3 – $50494°_2$	0.05			0.020	1n, 3
5471.02	2*w*	18273.05	28233_5 – $46506°_5$	0.12			0.020	1
5471.50	3	18271.45	33201_5 – $51473°_4$	0.02			0.020	1n, 3
5472.314	6	18268.73	23982_2 – $42251°_3$	0.02			0.020	1
5475.110	30	18259.40	$28198°_1$ – 46458_1	0.00			0.020	1
5476.032	15	18256.33	27849_5 – $46106°_6$	–0.07			0.020	1
5477.776	80	18250.51	9528_0 – $27778°_1$	0.07	2.6e+5	C	0.020	1w, 7t
5478.656	3	18247.58	31389_5 – $49636°_4$	0.14			0.020	1
5479.229	10	18245.67	32826_3 – $51072°_3$	0.12			0.020	1n, 3
5480.617	15	18241.06					0.020	1
5482.866	2	18233.57					0.020	1
5483.276	2	18232.21	27670_1 – $45902°_2$	0.21			0.020	1
5484.486	4	18228.19					0.020	1
5485.312	2	18225.44	19827_3 – $38053°_3$	0.07			0.020	1
5486.006	60	18223.14	$31432°_4$ – 49656_3	0.01			0.020	1
5487.766	40	18217.29	4830_3 – $23047°_3$	–0.02			0.020	1
5488.466	6	18214.97					0.020	1
5489.13	4	18212.77	19253_2 – $37466°_2$	0.03			0.020	1
5489.96	20	18210.01	29479_4 – $47689°_4$	0.00			0.020	1
5492.306	150	18202.23	$29773°_5$ – 47975_4	0.03			0.020	1
5492.56	3	18201.39	16431_4 – $34632°_4$	0.10			0.020	1
5492.908	4	18200.24	20983_2 – $39183°_1$	0.06			0.020	1
5495.256	3	18192.46	31077_2 – $49270°_2$	0.10			0.020	1n, 3
5496.234	30	18189.23	22476_4 – $40665°_3$	0.06	4.0e+5	B	0.020	1w, 8t
5498.622	12	18181.33	28204_2 – $46385°_3$	0.07			0.020	1

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
5500.490	75	18175.15	19826_5 – $38001°_4$	0.07	6.9e+5	C	0.021	1w, 7t
5500.996	10	18173.48	19827_3 – $38001°_4$	0.04	7.1e+4	C	0.021	1w, 7t
5501.47	5	18171.91	18974_3 – $37146°_4$	0.06	4.1e+4	E	0.021	1w, 7t
5503.44	100	18165.41	$32957°_3$ – 51123_4	–0.15			0.021	1
			$29912°_3$ – 48078_2	–0.06				1
			14976_2 – $33141°_2$	0.21				1
5506.48	12	18155.38	32378_1 – $50533°_1$	0.23			0.021	1
5508.474	4	18148.81	32135_4 – $50284°_4$	0.11			0.021	1
5508.61	20	18148.36	20427_1 – $38576°_0$	0.06			0.021	1
5512.81	1	18134.54	34302_4 – $52436°_4$	0.14			0.021	1
5514.676	300	18128.41	3325_2 – $21453°_1$	0.04	7.3e+5	C	0.021	1w, 7t
5515.06	3	18127.14					0.021	1
5515.20	2	18126.68					0.021	1
5518.80	1*w*	18114.85	29853_4 – $47968°_4$	–0.11			0.021	1
5519.135	2	18113.75	$33944°_2$ – 52057_1	0.01			0.021	1
5521.004	10	18107.62	18082_1 – $36190°_1$	–0.04	4.7e+5	B	0.021	1w, 8t
5525.276	1*w*	18093.62	28291_3 – $46385°_3$	0.04			0.021	1
5526.644	2*w*	18089.14	33201_5 – $51290°_5$	0.02			0.021	1n, 3
5528.090	6	18084.41	13348_3 – $31432°_4$	0.06	1.1e+4	D	0.021	1w, 7t
5531.384	30	18073.64	18116_2 – $36190°_1$	–0.01	6.8e+5	B	0.021	1w, 8t
5533.026	6	18068.28					0.021	1
5537.289	3*w*	18054.37					0.021	1
5537.722	10	18052.95	19256_4 – $37309°_5$	0.03	2.2e+5	C	0.021	1w, 7t
5538.68	2	18049.83	32135_4 – $50185°_3$	0.07			0.021	1
5539.482	6	18047.22	20983_2 – $39030°_2$	–0.01	4.8e+5	B	0.021	1w, 8t
5539.91	2	18045.82	35299_4 – $53345°_3$	0.12			0.021	1n, 3
5542.368	2	18037.82	28347_3 – $46385°_3$	–0.04			0.021	1
5542.94	1	18035.95	28291_3 – $46327°_2$	0.08			0.021	1
5548.078	3*w*	18019.26	27849_5 – $45869°_4$	–0.04			0.021	1
5550.319	4	18011.98	29430_3 – $47442°_2$	–0.05			0.021	1n, 3
5551.012	5	18009.73	17107_4 – $35116°_4$	–0.04	1.2e+4	E	0.021	1w, 7t
5552.685	1	18004.31	29479_4 – $47483°_3$	–0.05			0.021	1
5554.112	4*w*	17999.68	22476_4 – $40476°_5$	–0.06			0.021	1
5554.887	3	17997.17	29853_4 – $47850°_5$	–0.01			0.021	1
5555.320	4	17995.77	23982_2 – $41978°_2$	–0.05			0.021	1
5559.764	4	17981.38	14976_2 – $32957°_3$	–0.02			0.021	1
5562.12	3	17973.77	$35943°_3$ – 53916_3	0.04			0.021	1
5563.97	4*w*	17967.79	32217_3 – $50185°_3$	0.00			0.021	1n, 3
5568.086	10	17954.51	$34228°_3$ – 52183_2	–0.09			0.021	1
5570.43	3	17946.96					0.021	1

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
5571.99	2	17941.93	23930_3 – $41871°_4$	0.07			0.021	1
5572.822	3	17939.25	27849_5 – $45789°_5$	–0.09			0.021	1
5575.812	4	17929.63	18974_3 – $36904°_2$	–0.02			0.021	1
5576.318	6	17928.01	20427_1 – $38355°_1$	0.01			0.021	1
5577.945	1	17922.78	16431_4 – $34354°_3$	0.01			0.021	1
5578.26	2	17921.76	$31432°_4$ – 49354_5	–0.01			0.021	1
5579.925	5	17916.42					0.021	1
5584.00	3*w*	17903.34	24610_3 – $42514°_3$	0.08			0.021	1
5585.09	1	17899.86	18974_3 – $36874°_3$	0.01			0.021	1
5588.12	2	17890.14	19256_4 – $37146°_4$	0.02			0.021	1
5590.53	1	17882.43	29479_4 – $47361°_3$	0.01			0.021	1
5591.03	2	17880.83	29479_4 – $47360°_4$	–0.04			0.021	1
5592.67	1	17875.58	26861_2 – $44737°_1$	0.01			0.021	1
5593.56	10	17872.74	28233_5 – $46106°_6$	–0.02			0.021	1
5594.37	1	17870.15	30374_2 – $48244°_2$	0.06			0.021	1
5601.818	1	17846.39	19827_3 – $37674°_3$	–0.01			0.022	1
5604.31	40	17838.46	$31817°_2$ – 49656_3	0.05			0.022	1
5605.20	3	17835.62	29853_4 – $47689°_4$	–0.05			0.022	1
5608.134	5	17826.30	18116_2 – $35943°_3$	–0.03	6.4e+4	C	0.022	1w, 7t
5612.303	4	17813.05	22852_4 – $40665°_3$	0.00			0.022	1
5615.16	2	17803.99	23930_3 – $41734°_2$	–0.06			0.022	1
5616.15	6	17800.85	27213_4 – $45014°_3$	0.13			0.022	1
5617.05	5	17798.00	17701_3 – $35499°_3$	0.03	1.47e+5	C	0.022	1w, 7t
5617.26	5	17797.33	16431_4 – $34228°_3$	0.04			0.022	1
5618.74	2	17792.65	22476_4 – $40269°_3$	–0.02			0.022	1
5623.97	2	17776.10	28291_3 – $46068°_3$	–0.04			0.022	1
5624.58	6	17774.17	19535_5 – $37309°_5$	0.02	7.e+4	D	0.022	1w, 7t
5629.67	8	17758.10	15069_5 – $32828°_4$	–0.09			0.022	1
5629.90	3	17757.38	22476_4 – $40233°_4$	0.09			0.022	1
5631.27	10	17753.06	$33370°_5$ – 51123_4	–0.04			0.022	1
5631.94	20	17750.95	12161_4 – $29912°_3$	0.06	1.43e+5	D	0.022	1w, 7t
5635.50	5	17739.73	29853_4 – $47593°_3$	–0.05			0.022	1
5637.11	4	17734.66	26861_2 – $44596°_2$	0.02			0.022	1
5639.64	5	17726.71	27213_4 – $44940°_4$	–0.04			0.022	1
5641.39	5	17721.21	33569_4 – $51290°_5$	0.01			0.022	1n, 3
5642.03	6	17719.20	1670_1 – $19389°_0$	0.06			0.022	1
5643.85	1	17713.49	28392_6 – $46106°_6$	–0.01			0.022	1
5644.47	5	17711.54	23982_2 – $41694°_3$	0.00			0.022	1
5647.02	3*w*	17703.54	27670_1 – $45374°_1$	0.02			0.022	1
5648.37	50	17699.31	$28797°_4$ – 46496_3	–0.07			0.022	1n
			18974_3 – $36673°_2$	0.12				1

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
5651.24	2	17690.32	16431_4 – $34121°_4$	–0.05	1.1e+4	E	0.022	1w, 7t
5652.41	2	17686.66	23484_6 – $41171°_6$	0.00			0.022	1
5654.10	3	17681.37	15460_3 – $33141°_2$	0.00	2.6e+4	D	0.022	1w, 7t
5657.00	3	17672.31	23455_1 – $41127°_0$	–0.05			0.022	1
5657.88	2	17669.56					0.022	1
5660.07	6	17662.73	18280_2 – $35943°_3$	0.04	1.2e+5	C	0.022	1w, 7t
5660.72	20	17660.70	19648_6 – $37309°_5$	0.08	6.8e+5	C	0.022	1w, 7t
5663.30	3w	17652.65	32135_4 – $49788°_4$	0.01			0.022	1
5663.98	3	17650.53	19253_2 – $36904°_2$	–0.07			0.022	1
5664.33	8	17649.44	23455_1 – $41104°_2$	–0.06			0.022	1
5667.18	4	17640.57	24610_3 – $42251°_3$	–0.06			0.022	1
5670.56	1	17630.05	29853_4 – $47483°_3$	0.03			0.022	1
5673.53	5	17620.82	19253_2 – $36874°_3$	0.02	4.6e+5	C	0.022	1w, 8t
5674.39	10	17618.15	19256_4 – $36874°_3$	0.03	1.77e+6	B	0.022	1w, 8t
5675.37	5	17615.11	18116_2 – $35731°_2$	–0.01	2.20e+5	C	0.022	1w, 7t
5676.60	6	17611.29	19535_5 – $37146°_4$	–0.06			0.022	1
5676.90	8	17610.36	17701_3 – $35311°_2$	–0.02			0.022	1
5678.90	4	17604.16					0.022	1
5679.64	3	17601.87	27849_5 – $45451°_5$	0.02			0.022	1
5680.08	4	17600.50	23982_2 – $41583°_2$	0.10			0.022	1
5689.68	2	17570.81	28720_1 – $46291°_1$	0.06			0.022	1
5690.13	3	17569.42	23930_3 – $41499°_3$	0.07			0.022	1
5693.73	4w	17558.31					0.022	1
5694.56	3	17555.75	28233_5 – $45789°_5$	0.05			0.022	1
5695.06	3	17554.21	34302_4 – $51856°_4$	0.15			0.022	1
5697.79	10	17545.80	13777_2 – $31323°_1$	0.03	2.8e+5	C	0.022	1w, 7t
5704.37	4	17525.56	17107_4 – $34632°_4$	–0.03			0.03	1
5705.71	5	17521.44	28347_3 – $45869°_4$	–0.06			0.03	1
5707.29	1	17516.59	23982_2 – $41499°_3$	–0.04			0.03	1
5708.00	2	17514.41	33291_6 – $50806°_5$	0.14			0.03	1
5709.05	4w	17511.19	$37146°_4$ – 54657_3	–0.01			0.03	1
5712.47	3	17500.71	32135_4 – $49636°_4$	0.13			0.03	1
5715.38	4	17491.80	26861_2 – $44353°_1$	–0.02			0.03	1n
			$30586°_3$ – 48078_2	0.12				1
5718.18	2	17483.23	19826_5 – $37309°_5$	0.11			0.03	1
5721.10	2	17474.31	35299_4 – $52774°_5$	0.03			0.03	1n, 3
5721.35	1	17473.55	28204_2 – $45677°_3$	0.06			0.03	1
5721.88	1	17471.93	$39361°_5$ – 56832_6	0.04			0.03	1
5723.05	8	17468.35	$25983°_1$ – 43451_1	–0.03			0.03	1

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
5724.54	1*w*	17463.81	$34719°_1 - 52183_2$	–0.06			0.03	1
5726.43	2	17458.04	$32826_3 - 50284°_4$	0.03			0.03	1n, 3
5728.56	4	17451.55	$18280_2 - 35731°_2$	0.07	1.0e+5	D	0.03	1w, 7t
5735.09	50	17431.68	$27488°_3 - 44919_2$	–0.05			0.03	1
5738.87	3	17420.20	$19253_2 - 36673°_2$	0.06			0.03	1
5739.60	10	17417.99	$32238°_3 - 49656_3$	–0.03			0.03	1
5740.06	2	17416.59	$22852_4 - 40269°_3$	0.04			0.03	1
5741.12	4	17413.38	$23455_1 - 40868°_2$	0.00			0.03	1
5747.27	8*w*	17394.74	$30683°_1 - 48078_2$	–0.04			0.03	1
5749.24	20	17388.78	$30586°_3 - 47975_4$	–0.12			0.03	1
5750.22	4	17385.82	$28291_3 - 45677°_3$	0.01			0.03	1
5751.37	2	17382.34	$18116_2 - 35499°_3$	0.03	1.76e+4	D	0.03	1w, 7t
5752.65	3	17378.47	$32135_4 - 49514°_3$	0.07			0.03	1
5753.34	4*w*	17376.39	$13307_1 - 30683°_1$	–0.05			0.03	1
5753.85	6	17374.85					0.03	1
5754.57	5	17372.67	$20983_2 - 38355°_1$	–0.15			0.03	1
5756.10	8	17368.06	$15460_3 - 32828°_4$	–0.05			0.03	1
5759.65	10	17357.35	$29139°_3 - 46496_3$	–0.15			0.03	1
5763.40	3*w*	17346.06	$20427_1 - 37773°_1$	–0.06			0.03	1
5767.76	2*w*	17332.95	$27213_4 - 44546°_5$	0.01			0.03	1
5768.74	2	17330.00	$28347_3 - 45677°_3$	–0.09			0.03	1
5771.98	6	17320.28	$19826_5 - 37146°_4$	–0.04	9.6e+4	D	0.03	1w, 7t
5773.48	5	17315.78	$23455_1 - 40770°_1$	0.02			0.03	1
5784.76	3	17282.01	$32135_4 - 49417°_3$	0.05			0.03	1
5789.81	4	17266.94	$27849_5 - 45116°_4$	–0.03			0.03	1
5791.33	3	17262.41	$29195°_2 - 46458_1$	–0.05			0.03	1
5791.80	1*w*	17261.00	$24610_3 - 41871°_4$	–0.06			0.03	1
5792.34	1*w*	17259.40	$28291_3 - 45551°_3$	–0.04			0.03	1
5792.65	3*w*	17258.47					0.03	1
5793.06	10	17257.25	$27662°_2 - 44919_2$	–0.07			0.03	1
5796.49	8	17247.04	$17107_4 - 34354°_3$	–0.03	2.21e+5	C	0.03	1w, 7t
5797.75	2	17243.29	$22476_4 - 39719°_4$	0.01			0.03	1
5799.51	5	17238.06	$13348_3 - 30586°_3$	–0.02	4.e+4	E	0.03	1w, 7t
5801.13	1	17233.24	$27213_4 - 44447°_3$	0.04			0.03	1
5803.04	3	17227.57	$33201_5 - 50429°_6$	0.00			0.03	1n, 3
5804.46	2	17223.36	$20983_2 - 38206°_3$	0.00			0.03	1
5804.85	40	17222.20	$26229°_2 - 43451_1$	–0.01			0.03	1
5806.05	3	17218.64	$18280_2 - 35499°_3$	–0.03	6.9e+4	C	0.03	1w, 7t
5806.24	6	17218.08	$28204_2 - 45422°_2$	0.02			0.03	1
5810.46	1	17205.57	$28898_2 - 46104°_1$	–0.09			0.03	1

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
5814.14	2	17194.68	$18116_2 - 35311°_2$	–0.04			0.03	1
5815.36	1	17191.07	$37466°_2 - 54657_3$	–0.19			0.03	1
5818.57	1	17181.59	$28720_1 - 45902°_2$	–0.01			0.03	1
5821.00	4	17174.42	$23930_3 - 41104°_2$	–0.02			0.03	1
5822.13	1	17171.09	$34302_4 - 51473°_4$	0.09			0.03	1
5822.60	10	17169.70	$22476_4 - 39646°_3$	–0.03	1.07e+6	B	0.03	1w, 8t
5826.10	2	17159.39	$26861_2 - 44021°_3$	0.03			0.03	1
5832.26	5	17141.26	$27778°_1 - 44919_2$	–0.08			0.03	1
5833.61	8	17137.29	$22476_4 - 39614°_5$	–0.08			0.03	1
5835.94	1	17130.45	$28291_3 - 45422°_2$	0.07			0.03	1
5838.97	8	17121.56	$17107_4 - 34228°_3$	–0.03			0.03	1
5841.68	2	17113.62	$26861_2 - 43975°_2$	0.04			0.03	1
5843.70	1w	17107.71	$18974_3 - 36082°_4$	–0.08			0.03	1
5845.27	10	17103.11	$29393°_2 - 46496_3$	–0.11			0.03	1
5848.81	2	17092.76	$31077_2 - 48170°_3$	0.01			0.03	1n, 3
5849.52	4	17090.68	$27849_5 - 44940°_4$	–0.09			0.03	1
5851.58	10	17084.67	$26367°_2 - 43451_1$	–0.03			0.03	1
5854.39	5	17076.47	$19827_3 - 36904°_2$	–0.01			0.03	1
5856.61	6	17069.99	$20983_2 - 38053°_3$	–0.04			0.03	1
5857.70	2	17066.82	$27670_1 - 44737°_1$	0.09			0.03	1
5858.22	4	17065.30	$32378_1 - 49443°_1$	0.00			0.03	1
5860.42	1	17058.89	$28392_6 - 45451°_5$	–0.06			0.03	1
5862.75	1	17052.11	$32135_4 - 49187°_5$	0.13			0.03	1
5864.16	1	17048.02	$39719°_4 - 56768_5$	–0.08			0.03	1
5864.63	12	17046.65	$19827_3 - 36874°_3$	–0.03	1.60e+6	B	0.03	1w, 8t
5866.02	1w	17042.61	$36874°_3 - 53916_3$	0.07			0.03	1
5867.46	1	17038.44	$20427_1 - 37466°_2$	–0.02			0.03	1
5870.03	4	17030.97	$18280_2 - 35311°_2$	–0.11			0.03	1
			$26861_2 - 43892°_1$	–0.01				1
5870.65	1	17029.17	$28233_5 - 45262°_4$	0.06			0.03	1
5871.37	1	17027.08	$29479_4 - 46506°_5$	0.03			0.03	1
5871.64	4w	17026.30	$28198°_1 - 45225_0$	–0.02			0.03	1
5874.22	6	17018.82	$19256_4 - 36275°_5$	–0.04			0.03	1
5875.69	5	17014.56	$17107_4 - 34121°_4$	–0.11	3.9e+4	D	0.03	1w, 7t
5876.28	2	17012.85	$36904°_2 - 53916_3$	0.11			0.03	1
5879.44	1	17003.71	$28898_2 - 45902°_2$	0.19			0.03	1
5879.69	2	17002.99					0.03	1
5880.21	10	17001.48	$34121°_4 - 51123_4$	0.02			0.03	1
5882.82	1	16993.94	$23930_3 - 40923°_3$	0.19			0.03	1
5883.17	2	16992.93					0.03	1

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
5883.48	2	16992.03					0.03	1
5884.62	4	16988.74	34302_4 – $51290°_5$	0.05			0.03	1
5884.96	1	16987.76	30374_2 – $47361°_3$	0.22			0.03	1
5888.65	1	16977.12	12161_4 – $29139°_3$	–0.04			0.03	1
5890.32	5	16972.30	24610_3 – $41583°_2$	–0.02			0.03	1
5891.61	8	16968.59	18974_3 – $35943°_3$	–0.07	1.47e+5	C	0.03	1w, 7t
5893.34	1	16963.61	30374_2 – $47337°_2$	0.02			0.03	1
5895.98	1	16956.01	23455_1 – $40411°_1$	–0.09			0.03	1
5900.02	1	16944.40	24789_2 – $41734°_2$	–0.07			0.03	1
5901.20	8	16941.01	23982_2 – $40923°_3$	–0.02			0.03	1
5902.00	4	16938.72	16431_4 – $33370°_5$	–0.01	1.39e+4	C	0.03	1w, 7t
5902.30	4	16937.85	32135_4 – $49073°_5$	–0.09			0.03	1
5902.64	20	16936.88	19253_2 – $36190°_1$	–0.05	1.36e+6	B	0.03	1w, 8t
5904.57	1	16931.34	17701_3 – $34632°_4$	–0.08			0.03	1
5905.05	4	16929.97	32217_3 – $49147°_4$	–0.07			0.03	1n, 3
5906.52	2w	16925.75	27670_1 – $44596°_2$	–0.05			0.03	1
5906.76	2	16925.07					0.03	1
5910.32	2	16914.87	28347_3 – $45262°_4$	–0.08			0.03	1
5913.39	5	16906.09	29479_4 – $46385°_3$	–0.05			0.03	1
5913.92	3	16904.57	24789_2 – $41694°_3$	–0.11			0.03	1
5917.42	3w	16894.57	$34228°_3$ – 51123_4	0.03			0.03	1
5919.66	3w	16888.18					0.03	1
5920.60	4	16885.50	23982_2 – $40868°_2$	–0.10			0.03	1
			$35116°_4$ – 52002_3	0.03				1n
5921.05	3	16884.22	22476_4 – $39361°_5$	–0.11			0.03	1
5921.37	3	16883.31	28233_5 – $45116°_4$	–0.02			0.03	1
5921.87	1	16881.88					0.03	1
5922.07	1	16881.31	30374_2 – $47255°_1$	–0.04			0.03	1
5927.05	3	16867.13	22852_4 – $39719°_4$	–0.03			0.03	1
5928.58	10	16862.77	22773_0 – $39636°_1$	–0.07			0.03	1
5928.93	1	16861.78	28898_2 – $45760°_1$	–0.06			0.03	1
5931.13	2	16855.52	37414_3 – $54269°_3$	–0.14			0.03	1n, 3
5934.49	8	16845.98	19827_3 – $36673°_2$	–0.04			0.03	1
5936.14	1	16841.30	14976_2 – $31817°_2$	–0.15			0.03	1
5937.08	3	16838.63					0.03	1
5940.89	10	16827.83	6219_4 – $23047°_3$	–0.15			0.03	1
			$32828°_4$ – 49656_3	–0.09				1
5941.54	3	16825.99	19256_4 – $36082°_4$	–0.07			0.03	1
5941.94	3	16824.86	28291_3 – $45116°_4$	–0.03			0.03	1
5947.08	8	16810.32	28204_2 – $45014°_3$	–0.02			0.03	1

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
5947.57	30	16808.93	$13777_2 - 30586°_3$	0.00	2.40e+5	C	0.03	1w, 7t
5948.19	3	16807.18	$27213_4 - 44021°_3$	0.00			0.03	1
5949.44	4	16803.65					0.03	1
5953.96	8	16790.89	$20983_2 - 37773°_1$	–0.05			0.03	1
5956.19	10	16784.61	$17701_3 - 34485°_2$	–0.07	1.7e+5	D	0.03	1w, 7t
5958.23	1	16778.86	$28898_2 - 45677°_3$	0.13			0.03	1
5958.53	2	16778.01	$15460_3 - 32238°_3$	0.00			0.03	1
5960.83	15	16771.54	$27213_4 - 43985°_4$	–0.05			0.03	1
			$29853_4 - 46625°_4$	0.15				1
5964.48	3	16761.28	$22852_4 - 39614°_5$	0.03			0.03	1
5965.86	40	16757.39	$18974_3 - 35731°_2$	–0.06	1.0e+6	C	0.03	1w, 7t
5972.03	3	16740.09	$19535_5 - 36275°_5$	0.00			0.03	1
5972.51	25	16738.74	$3325_2 - 20064°_1$	–0.03	2.4e+4	C	0.03	1w, 7t
5973.40	1	16736.25					0.03	1
5973.56	2	16735.80	$23930_3 - 40665°_3$	0.03			0.03	1
5976.65	8	16727.15	$28291_3 - 45019°_2$	0.01			0.03	1
5978.86	15	16720.96	$28198°_1 - 44919_2$	0.02			0.03	1
5980.95	2	16715.12	$33569_4 - 50284°_4$	0.01			0.03	1n, 3
5982.60	2	16710.51	$27213_4 - 43924°_5$	0.08			0.03	1
5983.82	20	16707.11	$28233_5 - 44940°_4$	–0.02			0.03	1
5984.50	2w	16705.21	$30374_2 - 47079°_2$	0.01			0.03	1
5986.94	6	16698.40	$32957°_3 - 49656_3$	–0.06			0.03	1
5987.43	12w	16697.03	$27670_1 - 44367°_2$	0.01			0.03	1
			$27849_5 - 44546°_5$	0.07				1
5989.59	10	16691.02	$20983_2 - 37674°_3$	–0.04			0.03	1
5990.11	5	16689.56	$19253_2 - 35943°_3$	–0.05	6.3e+4	C	0.03	1w, 7t
5991.07	3	16686.89	$19256_4 - 35943°_3$	–0.04	2.29e+4	D	0.03	1w, 7t
5992.15	1	16683.88	$35499°_3 - 52183_2$	–0.17			0.03	1
5992.46	8	16683.02	$23982_2 - 40665°_3$	–0.03			0.03	1
			$27670_1 - 44353°_1$	0.04				1
5993.21	2w	16680.93					0.03	1
5996.20	2	16672.61					0.03	1
5998.28	3	16666.83	$28347_3 - 45014°_3$	–0.11			0.03	1
6001.02	2	16659.22					0.03	1
6003.21	4	16653.14	$28720_1 - 45374°_1$	0.02			0.03	1
6009.01	10	16637.07	$27213_4 - 43850°_3$	0.05			0.03	1
6009.17	1	16636.63	$18082_1 - 34719°_1$	0.13	8.7e+4	C	0.03	1w, 8t
6009.68	8	16635.21	$12161_4 - 28797°_4$	–0.07	4.4e+3	E	0.03	1w, 7t
6012.78	50	16626.64	$19648_6 - 36275°_5$	0.08			0.03	1
6015.64	3w	16618.73	$4830_3 - 21448°_2$	–0.03			0.03	1

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
6016.27	2	16616.99	26861_2 – $43478°_3$	0.05			0.03	1
6019.73	3	16607.44	34302_4 – $50909°_4$	0.01			0.03	1
6021.52	40	16602.52	18116_2 – $34719°_1$	0.03	6.6e+5	B	0.03	1w, 8t
6027.16	1	16586.97	24610_3 – $41198°_4$	–0.29			0.03	1
			33201_5 – $49788°_4$	0.00				1n
6028.32	15	16583.78	$29912°_3$ – 46496_3	0.01			0.03	1
6029.84	5	16579.60	31389_5 – $47968°_4$	0.06			0.03	1
6030.64	2*s*	16577.40					0.03	1
6034.72	3*w*	16566.19	$34719°_1$ – 51285_0	0.06			0.03	1n
6035.42	4	16564.27	13348_3 – $29912°_3$	–0.02	9.e+3	E	0.03	1w, 7t
6037.31	3*w*	16559.08					0.03	1
6038.28	2	16556.42	23455_1 – $40011°_2$	–0.06			0.03	1
6041.62	10	16547.27	19535_5 – $36082°_4$	–0.02	6.e+4	E	0.03	1w, 7t
6043.31	25	16542.64	$31432°_4$ – 47975_4	0.01			0.03	1
6046.80	3	16533.09	28204_2 – $44737°_1$	0.08			0.03	1
6048.87	2*w*	16527.44	17701_3 – $34228°_3$	0.02			0.03	1
6049.25	1*w*	16526.40	$32828°_4$ – 49354_5	–0.16			0.03	1
			16431_4 – $32957°_3$	0.13				1
6049.92	12	16524.57	18974_3 – $35499°_3$	–0.07	1.3e+5	C	0.03	1w, 7t
6053.17	2*w*	16515.70	31077_2 – $47593°_3$	0.06			0.03	1n, 3
6055.93	2	16508.17	22852_4 – $39361°_5$	–0.04			0.03	1
6057.41	5*w*	16504.13	34302_4 – $50806°_5$	0.10			0.03	1
6061.29	1	16493.57	24610_3 – $41104°_2$	–0.07			0.03	1
6065.08	15	16483.27	20983_2 – $37466°_2$	–0.01			0.03	1
6066.88	4	16478.37	19253_2 – $35731°_2$	–0.03	8.e+4	E	0.03	1w, 7t
6067.64	10	16476.31	20427_1 – $36904°_2$	–0.01			0.03	1
6077.70	1	16449.04	19826_5 – $36275°_5$	–0.02			0.03	1
6081.44	30	16438.92	18280_2 – $34719°_1$	0.07	4.0e+5	B	0.03	1w, 8t
6082.89	3	16435.00	33201_5 – $49636°_4$	0.09			0.03	1n, 3
6083.88	4	16432.33	30374_2 – $46806°_2$	0.08			0.03	1
6092.38	5	16409.40	22773_0 – $39183°_1$	–0.02			0.03	1
6094.75	5	16403.02	18082_1 – $34485°_2$	–0.01	3.8e+4	E	0.03	1w, 7t
6107.42	10	16369.00	18116_2 – $34485°_2$	–0.02	6.e+4	E	0.03	1w, 7t
6111.66	15	16357.64	15460_3 – $31817°_2$	0.02			0.03	1
6115.52	12	16347.31	14976_2 – $31323°_1$	0.01	1.3e+5	C	0.03	1w, 7t
6119.39	4	16336.98	18974_3 – $35311°_2$	–0.07			0.03	1
6128.25	20	16313.36	28233_5 – $44546°_5$	0.04			0.03	1
6129.60	3	16309.76	29479_4 – $45789°_5$	–0.06			0.03	1
6131.63	2	16304.36	28291_3 – $44596°_2$	–0.04			0.03	1
6131.79	1	16303.94	23930_3 – $40233°_4$	0.05			0.03	1

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
6133.19	4	16300.22	31389_5 – $47689°_4$	–0.03			0.03	1
6138.36	1	16286.49	23982_2 – $40269°_3$	–0.06			0.03	1
6141.04	1	16279.38					0.03	1
6143.94	12	16271.70	22476_4 – $38748°_4$	–0.06			0.03	1
6146.52	1	16264.87	27213_4 – $43478°_3$	0.11			0.03	1
6147.23	3	16262.99	17107_4 – $33370°_5$	–0.04	1.8e+4	C	0.03	1w, 7t
6148.15	2w	16260.56	$31817°_2$ – 48078_2	–0.13			0.03	1
6151.81	1	16250.88	19256_4 – $35507°_5$	0.05			0.03	1
6153.72	2w	16245.84	20427_1 – $36673°_2$	–0.02			0.03	1
6154.87	6	16242.80	17701_3 – $33944°_2$	–0.08			0.03	1
			28204_2 – $44447°_3$	–0.02				1
6161.43	8	16225.51	18116_2 – $34342°_1$	–0.09	2.6e+5	C	0.03	1w, 8t
6162.70	1	16222.16	27670_1 – $43892°_1$	0.02			0.03	1
6165.70	1	16214.27	29853_4 – $46068°_3$	–0.09			0.03	1
6169.11	10	16205.31	18280_2 – $34485°_2$	–0.07	1.5e+5	D	0.03	1w, 7t
6176.18	1	16186.76	$34719°_1$ – 50906_1	–0.11			0.03	1n
6179.66	3	16177.64	31077_2 – $47255°_1$	–0.11			0.03	1n, 3
6181.39	2	16173.12	35299_4 – $51473°_4$	–0.10			0.03	1n, 3
6186.24	15	16160.44	20427_1 – $36588°_0$	–0.04			0.03	1
6187.57	5	16156.96	28233_5 – $44390°_6$	–0.02			0.03	1
6188.73	3	16153.93	28392_6 – $44546°_5$	–0.13			0.03	1
6193.23	10	16142.20	18974_3 – $35116°_4$	–0.07	4.6e+4	C	0.03	1w, 7t
6195.78	1	16135.55	27849_5 – $43985°_4$	–0.06			0.03	1
6195.96	10	16135.08	13777_2 – $29912°_3$	–0.06	1.6e+4	E	0.03	1w, 7t
6196.36	10	16134.04	24789_2 – $40923°_3$	–0.13			0.03	1
6198.19	2	16129.28	23484_6 – $39614°_5$	0.01			0.03	1
6203.51	20	16115.45	19827_3 – $35943°_3$	–0.04	3.0e+5	C	0.03	1w, 7t
6216.65	3w	16081.39	23930_3 – $40011°_2$	–0.03			0.03	1
6219.36	2	16074.38	27849_5 – $43924°_5$	–0.07			0.03	1
6220.31	2w	16071.92	29479_4 – $45551°_3$	–0.08			0.03	1
6224.18	3	16061.93	18280_2 – $34342°_1$	–0.03			0.03	1
6225.75	4	16057.88	19253_2 – $35311°_2$	–0.12			0.03	1
6234.74	1w	16034.73	32135_4 – $48170°_3$	0.12			0.03	1
6237.69	2	16027.14					0.03	1
6239.27	2w	16023.09					0.03	1
6240.54	5	16019.82	28347_3 – $44367°_2$	–0.08			0.03	1
6241.94	4w	16016.23	20174_0 – $36190°_1$	–0.06			0.03	1
6243.10	2	16013.25	33952_3 – $49966°_3$	0.07			0.03	1n, 3
6243.72	2	16011.66	32378_1 – $48389°_1$	0.10			0.03	1n
6245.79	8w	16006.36	$35116°_4$ – 51123_4	0.00			0.03	1

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
6251.48	5	15991.79	29430_3 – $45422°_2$	0.03			0.03	1n, 3
6253.63	6	15986.29	33201_5 – $49187°_5$	–0.02			0.03	1n, 3
6254.28	25	15984.63	$33370°_5$ – 49354_5	–0.01			0.03	1
6258.88	5	15972.88	15460_3 – $31432°_4$	–0.02	1.30e+4	D	0.03	1w, 7t
6259.11	4*w*	15972.29	29479_4 – $45451°_5$	–0.04			0.03	1
			24610_3 – $40583°_4$	0.10				1
6269.28	4	15946.38	33201_5 – $49147°_4$	0.04			0.03	1n, 3
6279.68	3*ws*	15919.97	$36082°_4$ – 52002_3	0.02			0.03	1n
6285.88	25	15904.27	19827_3 – $35731°_2$	–0.01	6.6e+5	C	0.03	1w, 7t
6288.75	3	15897.01					0.03	1
6289.10	2	15896.13	33291_6 – $49187°_5$	0.01			0.03	1n
6291.01	8	15891.30	20983_2 – $36874°_3$	–0.04			0.03	1
6292.02	60	15888.75	13307_1 – $29195°_2$	0.01	2.26e+5	C	0.03	1w, 7t
6297.31	3	15875.41	28720_1 – $44596°_2$	0.01			0.03	1
6298.57	6	15872.23	33201_5 – $49073°_5$	–0.04			0.03	1n, 3
6302.96	1	15861.17	18082_1 – $33944°_2$	–0.06			0.03	1
6303.21	20	15860.55	19256_4 – $35116°_4$	0.01	1.84e+5	C	0.03	1w, 7t
6304.03	3	15858.48	19648_6 – $35507°_5$	–0.05			0.03	1
6308.50	10	15847.25	13348_3 – $29195°_2$	–0.03	1.9e+4	D	0.03	1w, 7t
6309.71	2	15844.21	27670_1 – $43514°_2$	0.01			0.03	1
6313.15	2	15835.57	34302_4 – $50137°_5$	0.06			0.03	1
6314.32	3	15832.64	32135_4 – $47968°_4$	–0.04			0.03	1
6319.24	8	15820.31	27213_4 – $43034°_5$	0.03			0.03	1
6324.67	2*w*	15806.73	16431_4 – $32238°_3$	0.02			0.03	1
6331.44	4	15789.83	23930_3 – $39719°_4$	–0.05			0.03	1
6335.10	3	15780.71	$29139°_3$ – 44919_2	–0.01			0.03	1
6336.60	2	15776.97	23930_3 – $39707°_2$	0.03			0.03	1
6342.40	3	15762.54	20427_1 – $36190°_1$	–0.11			0.03	1
6344.50	2	15757.33					0.03	1
6346.66	2	15751.96	28233_5 – $43985°_4$	–0.01			0.03	1
6351.68	2	15739.51	26861_2 – $42601°_3$	–0.04			0.03	1
6352.51	4*w*	15737.46	$32238°_3$ – 47975_4	–0.06			0.03	1
6355.66	3	15729.66	22476_4 – $38206°_3$	–0.04			0.03	1
6355.90	10	15729.06	28291_3 – $44021°_3$	–0.06			0.03	1
6357.98	3	15723.92	$29195°_2$ – 44919_2	–0.08			0.03	1
6359.14	6	15721.05	17107_4 – $32828°_4$	–0.06			0.03	1
6361.06	4	15716.31	23930_3 – $39646°_3$	–0.02			0.03	1
6362.35	1	15713.12					0.03	1
6363.79	1	15709.55					0.03	1
6364.73	10	15707.24	14976_2 – $30683°_1$	–0.12			0.03	1

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
6368.73	1	15697.38	$28898_2 - 44596°_2$	0.06			0.03	1
6370.32	6	15693.46	$28291_3 - 43985°_4$	–0.07			0.03	1
6371.43	20	15690.73	$20983_2 - 36673°_2$	0.05			0.03	1
6375.40	10	15680.96	$19826_5 - 35507°_5$	–0.07			0.03	1
6378.47	3	15673.41	$27778°_1 - 43451_1$	–0.07			0.03	1
			$28347_3 - 44021°_3$	0.01				1
6379.29	3	15671.39	$19827_3 - 35499°_3$	–0.08			0.03	1
6382.49	8	15663.54	$23982_2 - 39646°_3$	–0.07			0.03	1
			$18280_2 - 33944°_2$	–0.04				1
6384.72	8	15658.07	$18974_3 - 34632°_4$	–0.02			0.03	1
6386.47	20	15653.77	$23982_2 - 39636°_1$	–0.05			0.03	1
6387.13	4	15652.16	$27213_4 - 42866°_5$	–0.02			0.03	1
6389.39	2	15646.62	$28204_2 - 43850°_3$	–0.02			0.03	1
6393.07	4	15637.61	$28347_3 - 43985°_4$	–0.20			0.03	1
			$35311°_2 - 50949_1$	0.10				1
			$29479_4 - 45116°_4$	0.16				1
6395.20	1	15632.41	$28720_1 - 44353°_1$	–0.17			0.03	1
6397.30	3	15627.28	$39030°_2 - 54657_3$	–0.03			0.03	1n
6399.74	10	15621.32	$24789_2 - 40411°_1$	–0.14			0.03	1
6402.07	12	15615.63	$13777_2 - 29393°_2$	–0.06			0.03	1
6404.21	30	15610.41	$14976_2 - 30586°_3$	–0.05	1.50e+5	D	0.03	1w, 7t
6409.34	1	15597.91	$29853_4 - 45451°_5$	–0.08			0.03	1n
6415.03	1	15584.08	$29430_3 - 45014°_3$	0.04			0.03	1n, 3
6416.00	12	15581.73	$19535_5 - 35116°_4$	–0.04			0.03	1
6417.36	4	15578.43	$33569_4 - 49147°_4$	0.01			0.03	1n, 3
6418.22	2	15576.34	$22476_4 - 38053°_3$	–0.03			0.03	1
6418.69	3	15575.20	$23455_1 - 39030°_2$	–0.03			0.03	1
6425.42	10	15558.88	$28291_3 - 43850°_3$	–0.08			0.03	1
6426.12	4	15557.18	$27670_1 - 43227°_2$	0.00			0.03	1
6427.70	5	15553.36	$32135_4 - 47689°_4$	–0.03			0.03	1
6429.89	3	15548.07	$28898_2 - 44447°_3$	0.01			0.03	1
6430.43	1	15546.76	$27670_1 - 43217°_1$	–0.09			0.03	1
6432.12	3	15542.68	$31389_5 - 46931°_4$	–0.08			0.03	1
6435.24	8	15535.14	$29479_4 - 45014°_3$	–0.08			0.03	1
6435.58	12	15534.32	$34121°_4 - 49656_3$	–0.04			0.03	1
6438.12	4	15528.19	$30374_2 - 45902°_2$	–0.09			0.03	1
6438.85	3	15526.43	$29393°_2 - 44919_2$	–0.01			0.03	1
6439.70	15	15524.38	$22476_4 - 38001°_4$	–0.06	1.29e+5	C	0.03	1w, 7t
6443.08	1	15516.24					0.03	1
6443.95	2	15514.15					0.03	1

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
6445.12	50	15511.33	18974_3 – $34485°_2$	–0.02	6.4e+5	C	0.03	1w, 7t
6445.78	10	15509.74	29460_7 – $44970°_7$	–0.10			0.03	1
6447.25	1	15506.20	35299_4 – $50806°_5$	–0.05			0.03	1n, 3
6448.25	6	15503.80	$36874°_3$ – 52378_4	–0.06			0.03	1n
6448.76	1	15502.57	33569_4 – $49072°_3$	–0.04			0.03	1n, 3
6449.93	3	15499.76	32826_3 – $48326°_3$	–0.02			0.03	1n, 3
6450.12	2	15499.30					0.03	1
6450.76	1	15497.76					0.03	1
6451.24	2	15496.61					0.03	1
6456.61	7	15483.73	19827_3 – $35311°_2$	–0.15			0.03	1
6458.35	10	15479.55	24789_2 – $40269°_3$	–0.14			0.03	1
6461.78	5	15471.34	32217_3 – $47689°_4$	–0.08			0.03	1n, 3
			37414_3 – $52885°_2$	–0.05				3
6462.62	2	15469.32	$36588°_0$ – 52057_1	–0.16			0.03	1
6463.00	2w	15468.42	28898_2 – $44367°_2$	–0.12			0.03	1
6464.13	18	15465.71	19253_2 – $34719°_1$	–0.06			0.03	1
			31389_5 – $46854°_5$	–0.01				1
6464.43	4	15464.99	33952_3 – $49417°_3$	–0.06			0.03	1n, 3
6468.86	2	15454.41	28898_2 – $44353°_1$	–0.09			0.03	1
6471.25	1	15448.70	13348_3 – $28797°_4$	0.02			0.03	1
6474.84	8	15440.13	17701_3 – $33141°_2$	–0.07	2.4e+4	D	0.03	1w, 7t
6479.51	10	15429.00	28291_3 – $43720°_4$	0.01			0.03	1
6480.19	4	15427.38	$34228°_3$ – 49656_3	–0.06			0.03	1
6484.09	25	15418.11	13777_2 – $29195°_2$	–0.02	3.84e+4	D	0.03	1w, 7t
6487.38	2	15410.29	$36874°_3$ – 52284_3	–0.11			0.03	1
6491.50	6	15400.50	26861_2 – $42262°_1$	–0.16			0.03	1
			24610_3 – $40011°_2$	–0.12				1
6494.75	6	15392.80	33291_6 – $48684°_6$	–0.08			0.03	1
6499.96	5	15380.46	$36904°_2$ – 52284_3	–0.14			0.03	1
6500.38	15	15379.47	18974_3 – $34354°_3$	–0.10			0.03	1
6501.70	1	15376.34	19256_4 – $34632°_4$	–0.02			0.03	1
6502.09	4	15375.42	$41198°_4$ – 56573_5	0.02			0.03	1
6503.07	3	15373.10	28347_3 – $43720°_4$	–0.17			0.03	1
6506.26	6w	15365.57					0.03	1
6508.05	20	15361.34	13777_2 – $29139°_3$	–0.07	3.3e+4	D	0.03	1w, 7t
6513.44	5	15348.63	28392_6 – $43741°_5$	–0.04			0.03	1
6514.65	2	15345.78					0.03	1
6515.44	3	15343.92	32826_3 – $48170°_3$	0.00			0.03	1n, 3
6519.46	1	15334.46	34302_4 – $49636°_4$	–0.02			0.03	1
6521.98	4	15328.53	$36673°_2$ – 52002_3	–0.02			0.03	1

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
6523.01	6	15326.11	12161_4 – $27488°_3$	–0.04			0.03	1
6523.73	1	15324.42					0.03	1
6526.15	12	15318.74	27213_4 – $42532°_4$	–0.06			0.03	1
6526.66	1	15317.54					0.03	1
6529.66	4	15310.50	28204_2 – $43514°_2$	0.02			0.03	1
6532.39	25	15304.11	20427_1 – $35731°_2$	–0.01	4.6e+5	E	0.03	1w, 7t
6533.29	5	15302.00	$34354°_3$ – 49656_3	0.04			0.03	1
6534.03	8	15300.26	27213_4 – $42514°_3$	–0.06			0.03	1
6538.11	30	15290.72	19826_5 – $35116°_4$	–0.02	2.7e+5	C	0.03	1w, 7t
6541.41	8	15283.00	31389_5 – $46672°_6$	–0.14			0.03	1
6544.89	2	15274.88					0.03	1
6545.18	1	15274.20	28204_2 – $43478°_3$	–0.18			0.03	1
6549.96	2	15263.05	$36673°_2$ – 51936_2	–0.09			0.03	1
			29853_4 – $45116°_4$	–0.06				1
6552.84	15	15256.34	17701_3 – $32957°_3$	–0.06			0.03	1
6553.83	8	15254.04	18974_3 – $34228°_3$	–0.05			0.03	1
6554.25	20	15253.06	$28198°_1$ – 43451_1	–0.02			0.03	1
6561.43	1	15236.37	27213_4 – $42450°_4$	–0.05			0.03	1
6562.26	1	15234.44					0.03	1
6562.89	8w	15232.98	$34121°_4$ – 49354_5	–0.02			0.03	1
6563.20	25	15232.26	19253_2 – $34485°_2$	–0.04	2.04e+5	D	0.03	1w, 7t
6567.32	7	15222.71	28291_3 – $43514°_2$	–0.09			0.03	1
6567.79	15	15221.62	24789_2 – $40011°_2$	–0.22			0.03	1
6569.77	5	15217.03	$35731°_2$ – 50949_1	–0.08			0.03	1
6571.81	3	15212.31	34302_4 – $49514°_3$	0.01			0.03	1
6573.93	30	15207.40	20983_2 – $36190°_1$	–0.07	9.9e+5	B	0.03	1w, 8t
6577.08	1	15200.11	22852_4 – $38053°_3$	–0.14			0.03	1
6578.27	4	15197.37	22476_4 – $37674°_3$	–0.03			0.03	1
6579.77	1	15193.90					0.03	1
6582.91	12	15186.66	28291_3 – $43478°_3$	–0.04			0.03	1
6590.06	1	15170.18	$34485°_2$ – 49656_3	0.00			0.03	1
6594.13	3	15160.82	29853_4 – $45014°_3$	–0.06			0.03	1
6599.98	2	15147.38	$32828°_4$ – 47975_4	–0.04			0.03	1
6600.10	8	15147.10	18974_3 – $34121°_4$	–0.07			0.03	1
6602.37	1	15141.89	32826_3 – $47968°_4$	–0.10			0.03	1n, 3
6603.95	1	15138.27	$37146°_4$ – 52284_3	–0.13			0.03	1
6605.46	2	15134.81	$31323°_1$ – 46458_1	–0.01			0.03	1
6607.13	18	15130.99	17107_4 – $32238°_3$	–0.02			0.03	1
			28347_3 – $43478°_3$	0.01				1
6608.50	8	15127.85	$36874°_3$ – 52002_3	–0.04			0.03	1

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
6609.05	18	15126.59	15460_3 – $30586°_3$	–0.04	4.e+4	E	0.03	1w, 7t
6611.62	20	15120.71	$32957°_3$ – 48078_2	–0.03			0.03	1
6612.24	2	15119.29	33952_3 – $49072°_3$	0.00			0.03	1n, 3
6613.20	4w	15117.10	31389_5 – $46506°_5$	–0.19			0.03	1
			26861_2 – $41978°_2$	0.12				1
6613.90	2	15115.50	34302_4 – $49417°_3$	–0.36			0.03	1
6616.19	2	15110.27					0.03	1
6620.64	10	15100.11	23930_3 – $39030°_2$	–0.06			0.03	1
6621.51	15	15098.13	$36904°_2$ – 52002_3	0.04			0.03	1
6621.74	20	15097.60	19535_5 – $34632°_4$	0.01			0.03	1
6622.42	8	15096.05	24610_3 – $39707°_2$	–0.09			0.03	1
6622.91	4	15094.93	$36190°_1$ – 51285_0	–0.04			0.03	1n
6626.00	4	15087.90					0.03	1
6626.51	5	15086.73	29853_4 – $44940°_4$	–0.18			0.03	1
6631.10	2w	15076.29	28898_2 – $43975°_2$	0.03			0.03	1
6634.54	2	15068.47					0.03	1
6635.04	6	15067.34	29479_4 – $44546°_5$	–0.10			0.03	1
6636.02	6	15065.11					0.03	1
6636.49	4	15064.05	32378_1 – $47442°_2$	–0.08			0.03	1
6636.68	10	15063.61	$40269°_3$ – 55333_4	–0.16			0.03	1
			$31432°_4$ – 46496_3	–0.10				1
6638.97	4	15058.42	18082_1 – $33141°_2$	–0.13			0.03	1
6639.56	1	15057.08					0.03	1
6643.58	5	15047.97	30374_2 – $45422°_2$	–0.09			0.03	1
6643.86	3	15047.34	23982_2 – $39030°_2$	–0.11			0.03	1
6645.27	1	15044.14					0.03	1
6648.12	2	15037.69	27213_4 – $42251°_3$	0.00			0.03	1
6651.91	1	15029.12					0.03	1
6652.37	1	15028.09					0.03	1
6652.98	1	15026.71	31077_2 – $46104°_1$	–0.11			0.03	1n, 3
6653.96	10	15024.50	18116_2 – $33141°_2$	–0.04			0.03	1
6654.44	5	15023.41	28204_2 – $43227°_2$	–0.05			0.03	1
			$34632°_4$ – 49656_3	–0.03				1
6656.54	12	15018.67	28392_6 – $43411°_7$	–0.13			0.03	1
6656.84	1	15017.99	$32957°_3$ – 47975_4	0.03			0.03	1
6657.03	10w	15017.56	28233_5 – $43251°_4$	0.00			0.03	1
6657.66	4	15016.15	27849_5 – $42866°_5$	–0.05			0.03	1
6659.04	4	15013.03	28204_2 – $43217°_1$	–0.10			0.03	1
6659.36	1	15012.31					0.03	1
6663.18	1	15003.70					0.03	1

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
6663.61	1	15002.74					0.03	1
6664.16	15	15001.50	16431_4 – $31432°_4$	–0.10			0.03	1
6664.80	25	15000.06	22773_0 – $37773°_1$	–0.12			0.03	1
6666.75	2*w*	14995.67					0.03	1
6669.22	2	14990.12	31077_2 – $46068°_3$	–0.10			0.03	1n, 3
6671.59	1	14984.79	35299_4 – $50284°_4$	–0.03			0.03	1n, 3
6674.12	1	14979.11					0.03	1
6675.97	15	14974.96	19253_2 – $34228°_3$	–0.08			0.03	1
6677.17	15	14972.27	19256_4 – $34228°_3$	–0.09			0.03	1
6678.42	80	14969.47	18974_3 – $33944°_2$	–0.08			0.03	1
6679.28	2	14967.54	29479_4 – $44447°_3$	–0.16			0.03	1
6679.79	1	14966.40					0.03	1
6682.60	12	14960.10	20983_2 – $35943°_3$	–0.05	4.3e+4	D	0.03	1w, 7t
6682.90	1	14959.44	32378_1 – $47337°_2$	0.05			0.03	1
6693.08	30	14936.68	14976_2 – $29912°_3$	0.01	3.6e+4	D	0.03	1w, 7t
6696.32	3	14929.45	29460_7 – $44390°_6$	0.01			0.03	1
6701.81	4	14917.22	24789_2 – $39707°_2$	–0.14			0.04	1
6705.68	4	14908.62					0.04	1
6708.17	2	14903.08	27670_1 – $42573°_1$	0.07			0.04	1
6708.60	2	14902.13					0.04	1
6709.24	4	14900.70	23455_1 – $38355°_1$	–0.12			0.04	1
6710.57	3	14897.75					0.04	1
6713.28	15	14891.74	13307_1 – $28198°_1$	–0.06	2.3e+4	E	0.04	1w, 7t
6713.96	4	14890.23					0.04	1
6718.59	5	14879.97	28347_3 – $43227°_2$	–0.09			0.04	1
6719.89	8	14877.09	32378_1 – $47255°_1$	–0.06			0.04	1
6725.18	15	14865.39	19256_4 – $34121°_4$	–0.05	3.2e+4	E	0.04	1w, 7t
6726.42	4	14862.65	32826_3 – $47689°_4$	–0.05			0.04	1n, 3
6729.15	4	14856.61	$40476°_5$ – 55333_4	–0.09			0.04	1
6733.04	14	14848.04	$36275°_5$ – 51123_4	0.00			0.04	1
6734.00	1	14845.92	34302_4 – $49147°_4$	0.01			0.04	1
6740.08	12*w*	14832.53	22476_4 – $37309°_5$	0.05			0.04	1
6744.36	1	14823.12					0.04	1
6745.47	7	14820.67					0.04	1
6746.56	15	14818.28	23930_3 – $38748°_4$	–0.08			0.04	1
6750.19	1	14810.31					0.04	1
6752.67	1	14804.87	19827_3 – $34632°_4$	–0.05			0.04	1
6754.60	10	14800.64	28233_5 – $43034°_5$	–0.02			0.04	1
6755.75	4	14798.13					0.04	1
6756.38	2	14796.75					0.04	1

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
6756.78	1	14795.86	32135_4 – $46931°_4$	–0.04			0.04	1
6757.84	5w	14793.54	$35731°_2$ – 50525_2	0.15			0.04	1
6764.45	15	14779.09	27670_1 – $42449°_2$	–0.03			0.04	1
6766.04	1	14775.62					0.04	1
6767.78	8	14771.81	34302_4 – $49073°_5$	–0.03			0.04	1
6770.04	8	14766.89	32826_3 – $47593°_3$	0.08			0.04	1n, 3
6778.33	10	14748.82	20983_2 – $35731°_2$	–0.12			0.04	1
6782.78	2w	14739.15					0.04	1
6787.69	1	14728.49					0.04	1
6792.42	4	14718.23	23484_6 – $38203°_6$	–0.11			0.04	1
6792.98	10	14717.02	31389_5 – $46106°_6$	–0.10			0.04	1
			$37466°_2$ – 52183_2	0.12				1
6793.64	3	14715.58	$36190°_1$ – 50906_1	–0.13			0.04	1
6795.56	2	14711.44					0.04	1
6796.34	6	14709.74					0.04	1
6799.30	12	14703.34	15069_5 – $29773°_5$	–0.07			0.04	1
6804.08	10	14693.01	29853_4 – $44546°_5$	–0.09			0.04	1
6805.31	25	14690.36	19253_2 – $33944°_2$	–0.14			0.04	1
6808.78	1	14682.87	27849_5 – $42532°_4$	0.05			0.04	1
6811.38	12	14677.26	28233_5 – $42910°_4$	–0.04			0.04	1
6812.58	1	14674.69					0.04	1
6814.92	20	14669.64	22476_4 – $37146°_4$	–0.04	1.46e+5	D	0.04	1w, 7t
6816.24	12	14666.80					0.04	1
6817.70	1	14663.66					0.04	1
6819.89	4	14658.96					0.04	1
6820.27	20	14658.13	19827_3 – $34485°_2$	–0.05			0.04	1
			27213_4 – $41871°_4$	0.01				1
6825.92	1	14646.00	$40011°_2$ – 54657_3	–0.06			0.04	1n
6826.49	4	14644.78	30374_2 – $45019°_2$	–0.04			0.04	1
6828.43	20	14640.61	$31817°_2$ – 46458_1	–0.06			0.04	1
6829.75	1	14637.78	26861_2 – $41499°_3$	–0.01			0.04	1
6832.19	8	14632.56	28233_5 – $42866°_5$	0.00			0.04	1
6838.63	8	14618.78	28291_3 – $42910°_4$	–0.08			0.04	1
6840.08	8	14615.68	28898_2 – $43514°_2$	–0.04			0.04	1
6844.88	10	14605.43	$33370°_5$ – 47975_4	–0.07			0.04	1
6846.90	1	14601.12	37414_3 – $52015°_3$	–0.05			0.04	3
			33569_4 – $48170°_3$	0.10				1n, 3
6847.25	12	14600.38	27849_5 – $42450°_4$	–0.06			0.04	1
6851.25	2	14591.85	27670_1 – $42262°_1$	0.03			0.04	1
6852.84	2	14588.46	32217_3 – $46806°_2$	–0.08			0.04	1n, 3

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
6853.74	30	14586.54	$19535_5 - 34121°_4$	–0.13	3.6e+4	D	0.04	1w, 7t
6857.00	1*w*	14579.61	$28898_2 - 43478°_3$	–0.01			0.04	1
6861.16	1	14570.77					0.04	1
6862.07	5	14568.84	$33569_4 - 48138°_5$	–0.01			0.04	1n, 3
6864.81	15	14563.03	$28347_3 - 42910°_4$	–0.11			0.04	1
6866.65	2	14559.12	$33291_6 - 47850°_5$	0.08			0.04	1
6871.13	1	14549.63					0.04	1
6874.84	10	14541.78	$29479_4 - 44021°_3$	0.10			0.04	1
			$30683°_1 - 45225_0$	0.10				1
6875.16	3	14541.10	$13348_3 - 27889°_4$	–0.02			0.04	1
6876.01	20	14539.30	$35116°_4 - 49656_3$	0.04			0.04	1
6876.73	2	14537.78					0.04	1
6877.23	1	14536.73	$17701_3 - 32238°_3$	–0.11			0.04	1
6877.59	15	14535.97	$37466°_2 - 52002_3$	0.02			0.04	1
6882.15	5	14526.33	$19827_3 - 34354°_3$	–0.07			0.04	1
6887.03	5	14516.04	$20983_2 - 35499°_3$	–0.09			0.04	1
6887.81	10	14514.40	$12161_4 - 26676°_5$	–0.12	2.e+3	D	0.04	1w, 7t
6891.43	4	14506.77	$28720_1 - 43227°_2$	–0.01			0.04	1n
6891.80	8	14506.00	$29479_4 - 43985°_4$	–0.09			0.04	1
6893.20	2	14503.05					0.04	1
6900.54	12	14487.62	$33201_5 - 47689°_4$	–0.10			0.04	1n, 3
6903.80	2*w*	14480.78					0.04	1
6904.20	3	14479.94	$31389_5 - 45869°_4$	–0.08			0.04	1
6904.88	3	14478.52					0.04	1
6906.73	3	14474.64					0.04	1
6907.46	5	14473.11	$28392_6 - 42866°_5$	–0.19			0.04	1
6908.29	20	14471.37	$13307_1 - 27778°_1$	–0.03	3.37e+4	C	0.04	1w, 7t
6915.52	10	14456.24	$22852_4 - 37309°_5$	–0.12			0.04	1
6917.19	10	14452.75	$15460_3 - 29912°_3$	–0.09	1.0e+4	E	0.04	1w, 7t
6920.97	20	14444.86	$29479_4 - 43924°_5$	–0.07			0.04	1
6926.65	1*w*	14433.01					0.04	1
6929.02	1*w*	14428.08	$32378_1 - 46806°_2$	0.03			0.04	1
6934.23	30	14417.23	$14976_2 - 29393°_2$	0.01	1.5e+4	D	0.04	1w, 7t
6942.10	3	14400.89	$19827_3 - 34228°_3$	–0.03			0.04	1
6942.56	3	14399.94	$31389_5 - 45789°_5$	–0.12			0.04	1
6943.08	3*w*	14398.86					0.04	1
6943.68	12	14397.61	$22476_4 - 36874°_3$	–0.07			0.04	1
6944.00	3	14396.95	$28204_2 - 42601°_3$	–0.04			0.04	1
6952.55	2	14379.24					0.04	1
6955.59	15	14372.96	$23982_2 - 38355°_1$	–0.08			0.04	1

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
6956.32	1	14371.45	29479_4 – $43850°_3$	–0.07			0.04	1
6956.84	10	14370.38	32135_4 – $46506°_5$	–0.05			0.04	1
6957.39	2	14369.24	28204_2 – $42573°_1$	–0.05			0.04	1
6958.77	8	14366.39					0.04	1
6964.12	25	14355.36	13307_1 – $27662°_2$	–0.06	2.28e+4	C	0.04	1w, 7t
6964.96	4	14353.63					0.04	1
6969.43	6	14344.42	$35311°_2$ – 49656_3	–0.06			0.04	1
6971.64	15	14339.87	33201_5 – $47541°_6$	–0.08			0.04	1n, 3
6974.11	3	14334.79	$36190°_1$ – 50525_2	–0.07			0.04	1
6974.89	4	14333.19	$30586°_3$ – 44919_2	–0.01			0.04	1
6977.29	5	14328.26	20983_2 – $35311°_2$	–0.28			0.04	1
			$37674°_3$ – 52002_3	0.09				1n
6977.84	2	14327.13					0.04	1
6978.47	3	14325.84	17107_4 – $31432°_4$	–0.06			0.04	1
6981.88	6	14318.84	23455_1 – $37773°_1$	–0.10			0.04	1
6984.27	40	14313.94	13348_3 – $27662°_2$	–0.02	4.4e+4	D	0.04	1w, 7t
6985.80	1	14310.80					0.04	1
6989.27	15	14303.70	18082_1 – $32386°_0$	–0.03			0.04	1
6991.50	12	14299.14	28233_5 – $42532°_4$	–0.04			0.04	1
6991.84	1	14298.44					0.04	1
6992.96	10	14296.15	31077_2 – $45374°_1$	–0.05			0.04	1n, 3
6993.27	30	14295.52	19826_5 – $34121°_4$	–0.12	5.8e+4	D	0.04	1w, 7t
6993.65	4	14294.74	27670_1 – $41965°_0$	–0.02			0.04	1
6994.06	15	14293.90	19827_3 – $34121°_4$	–0.10	5.2e+4	D	0.04	1w, 7t
7001.56	2	14278.59					0.04	1
7002.70	10	14276.26	23930_3 – $38206°_3$	–0.04			0.04	1
7009.68	8	14262.05	29479_4 – $43741°_5$	0.00			0.04	1
7011.40	6	14258.55	$32238°_3$ – 46496_3	–0.05			0.04	1
7013.38	1	14254.53					0.04	1
7014.52	3w	14252.21					0.04	1
7015.76	8	14249.70	33291_6 – $47541°_6$	–0.06			0.04	1
7016.22	8	14248.76	$36874°_3$ – 51123_4	–0.02			0.04	1
7017.88	20	14245.39	28204_2 – $42449°_2$	–0.01			0.04	1
7020.26	8	14240.56	24789_2 – $39030°_2$	–0.03			0.04	1
7027.89	5	14225.10					0.04	1
7028.68	12	14223.50	23982_2 – $38206°_3$	–0.08			0.04	1
7030.50	10	14219.82	14976_2 – $29195°_2$	0.16			0.04	1
7031.56	2	14217.67	33952_3 – $48170°_3$	–0.03			0.04	1n, 3
7031.99	3	14216.80	28233_5 – $42450°_4$	0.00			0.04	1
7032.38	4	14216.02					0.04	1

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
7033.14	2	14214.48	$35299_4 - 49514°_3$	–0.04			0.04	1n, 3
7033.32	3	14214.11					0.04	1
7034.80	3	14211.12					0.04	1
7043.94	4w	14192.69	$37414_3 - 51606°_2$	0.02			0.04	1n, 3
7056.16	12	14168.11	$20174_0 - 34342°_1$	–0.13			0.04	1
7056.59	3	14167.25	$29853_4 - 44021°_3$	–0.09			0.04	1
7058.73	10	14162.95	$14976_2 - 29139°_3$	0.01			0.04	1
			$37773°_1 - 51936_2$	0.07				1
7060.86	5	14158.68	$33201_5 - 47360°_4$	0.10			0.04	1n, 3
7061.04	10	14158.32	$28291_3 - 42450°_4$	–0.04			0.04	1
7061.36	12	14157.68	$28291_3 - 42449°_2$	–0.04			0.04	1
7061.76	2	14156.87	$35499°_3 - 49656_3$	–0.02			0.04	1
7066.88	2w	14146.62					0.04	1
7067.49	2w	14145.40					0.04	1
7070.44	5	14139.49	$13348_3 - 27488°_3$	–0.06			0.04	1
7070.70	2	14138.98					0.04	1
7071.45	3	14137.48	$24610_3 - 38748°_4$	–0.08			0.04	1
7071.81	2w	14136.75					0.04	1
7073.78	1	14132.81					0.04	1
7074.30	4	14131.78	$29853_4 - 43985°_4$	0.03			0.04	1
7075.01	2w	14130.36	$38053°_3 - 52183_2$	0.21			0.04	1
7075.85	1	14128.68					0.04	1
7076.75	2	14126.88					0.04	1
7078.74	2	14122.91	$23930_3 - 38053°_3$	–0.06			0.04	1
7079.61	1	14121.18	$18116_2 - 32238°_3$	0.00			0.04	1
7081.21	1	14117.99	$35299_4 - 49417°_3$	–0.09			0.04	1n, 3
7082.03	8w	14116.35	$17701_3 - 31817°_2$	–0.10			0.04	1
			$19827_3 - 33944°_2$	–0.03				1
7083.32	6	14113.78	$19256_4 - 33370°_5$	–0.02			0.04	1
7083.81	1	14112.80					0.04	1
7088.99	1	14102.49	$28347_3 - 42450°_4$	–0.15			0.04	1
7089.29	10	14101.90	$28347_3 - 42449°_2$	–0.10			0.04	1
7091.96	1	14096.59					0.04	1
7092.21	1	14096.09					0.04	1
7098.22	15	14084.15	$29430_3 - 43514°_2$	–0.03			0.04	3
7100.52	2	14079.59					0.04	1
7104.48	1	14071.75	$32386°_0 - 46458_1$	0.01			0.04	1
7104.86	3	14070.99	$23930_3 - 38001°_4$	–0.05			0.04	1
7105.26	4	14070.20	$23982_2 - 38053°_3$	–0.05			0.04	1
7108.57	8	14063.65	$27670_1 - 41734°_2$	0.00			0.04	1

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
7109.16	1	14062.48	31389_5 – $45451°_5$	–0.09			0.04	1
7109.34	6	14062.13	26861_2 – $40923°_3$	–0.06			0.04	1
7111.18	10	14058.49	$29393°_2$ – 43451_1	–0.09			0.04	1
7116.85	6	14047.29	28204_2 – $42251°_3$	–0.02			0.04	1
7118.19	2*w*	14044.64					0.04	1
7127.05	10	14027.18	12161_4 – $26189°_3$	–0.06			0.04	1
7128.71	2	14023.92	33569_4 – $47593°_3$	0.01			0.04	1n, 3
7129.64	5	14022.09	27849_5 – $41871°_4$	–0.05			0.04	1
7132.89	1	14015.70	33952_3 – $47968°_4$	–0.07			0.04	1n, 3
7133.23	3	14015.03					0.04	1
7134.34	1	14012.85					0.04	1
7137.50	8	14006.65	26861_2 – $40868°_2$	–0.11			0.04	1
7138.04	3	14005.58	28233_5 – $42239°_6$	–0.04			0.04	1
7140.52	40	14000.72	13777_2 – $27778°_1$	–0.07	1.0e+5	C	0.04	1w, 7t
7142.40	2*w*	13997.04	29853_4 – $43850°_3$	–0.14			0.04	1
7147.00	3*w*	13988.03					0.04	1
7148.92	10	13984.27	27213_4 – $41198°_4$	–0.05			0.04	1
7149.55	8	13983.04	18974_3 – $32957°_3$	–0.03			0.04	1
7150.90	1*w*	13980.40					0.04	1
7151.20	1	13979.81	32826_3 – $46806°_2$	–0.01			0.04	1n, 3
7151.46	1	13979.30	30374_2 – $44353°_1$	0.04			0.04	1
7152.80	1	13976.69	$38206°_3$ – 52183_2	–0.13			0.04	1
			$37146°_4$ – 51123_4	–0.09				1
7155.30	1	13971.80					0.04	1
7155.84	1	13970.75					0.04	1
7156.36	1	13969.73					0.04	1
7161.59	5	13959.53	28291_3 – $42251°_3$	–0.10			0.04	1
7162.64	50	13957.49	18280_2 – $32238°_3$	–0.05			0.04	1
7163.53	3	13955.75					0.04	1
7166.90	10	13949.19	32378_1 – $46327°_2$	–0.16			0.04	1
			$38053°_3$ – 52002_3	–0.01				1n
7173.38	5*w*	13936.59	31077_2 – $45014°_3$	–0.15			0.04	1n, 3
7176.49	4	13930.55					0.04	1
7179.85	10	13924.03	$35731°_2$ – 49656_3	–0.05			0.04	1
7183.83	4	13916.32					0.04	1
7184.29	5	13915.42					0.04	1
7184.77	12	13914.50	20427_1 – $34342°_1$	–0.10			0.04	1
7185.70	2*w*	13912.70	27670_1 – $41583°_2$	–0.02			0.04	1
7187.56	6	13909.10	26861_2 – $40770°_1$	–0.04			0.04	1
7191.33	20	13901.80	$31323°_1$ – 45225_0	0.06			0.04	1

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
7195.68	4	13893.40					0.04	1
7198.62	20	13887.72	$19253_2 - 33141°_2$	–0.10			0.04	1
			$29853_4 - 43741°_5$	0.01				1
7200.16	40	13884.75	$13777_2 - 27662°_2$	–0.06	4.2e+4	C	0.04	1w, 7t
7202.94	1	13879.40					0.04	1
7204.36	1	13876.66					0.04	1
7206.02	4	13873.46	$31389_5 - 45262°_4$	–0.01			0.04	1
7216.35	20	13853.60	$18974_3 - 32828°_4$	–0.01			0.04	1
7218.22	6w	13850.01	$32217_3 - 46068°_3$	–0.10			0.04	1n, 3
7219.18	2	13848.17	$35299_4 - 49147°_4$	0.04			0.04	1n, 3
7220.18	8	13846.26	$28392_6 - 42239°_6$	–0.10			0.04	1
7226.06	20	13834.99	$19535_5 - 33370°_5$	–0.04	2.8e+4	D	0.04	1w, 7t
7230.38	1	13826.72					0.04	1
7231.66	6	13824.27	$23484_6 - 37309°_5$	–0.11			0.04	1
7237.12	30	13813.84	$37309°_5 - 51123_4$	–0.14			0.04	1
7240.57	1	13807.26					0.04	1
7242.20	4	13804.15	$26861_2 - 40665°_3$	–0.06			0.04	1
7245.21	12	13798.42	$22476_4 - 36275°_5$	0.00			0.04	1
7245.88	1	13797.14	$29430_3 - 43227°_2$	–0.02			0.04	1n, 3
7249.04	1	13791.13	$23982_2 - 37773°_1$	–0.03			0.04	1
7256.40	2	13777.14					0.04	1
7259.30	4	13771.64	$29479_4 - 43251°_4$	–0.04			0.04	1
7267.91	5w	13755.33					0.04	1
7269.97	4w	13751.42					0.04	1
7273.94	8	13743.92	$23930_3 - 37674°_3$	–0.08			0.04	1
7274.47	30	13742.92	$38259°_4 - 52002_3$	0.07			0.04	1
7278.24	100	13735.80	$34342°_1 - 48078_2$	–0.08			0.04	1
			$15460_3 - 29195°_2$	–0.03				1
7279.68	1	13733.08	$32135_4 - 45869°_4$	–0.08			0.04	1
7280.44	10	13731.65	$17701_3 - 31432°_4$	–0.08	1.30e+4	D	0.04	1w, 7t
7282.70	10w	13727.39	$15069_5 - 28797°_4$	0.08			0.04	1
7282.98	10w	13726.86					0.04	1
7285.81	60	13721.53	$19648_6 - 33370°_5$	0.03	1.47e+5	C	0.04	1w, 7t
7288.48	1	13716.50					0.04	1
7291.74	8w	13710.37	$13777_2 - 27488°_3$	–0.03			0.04	1
7291.97	6w	13709.94	$27213_4 - 40923°_3$	–0.07			0.04	1
7295.16	8	13703.94	$19253_2 - 32957°_3$	–0.08			0.04	1
7296.11	5	13702.16	$28898_2 - 42601°_3$	–0.07			0.04	1
7296.55	80	13701.33	$19256_4 - 32957°_3$	–0.01			0.04	1
7296.87	15	13700.73	$18116_2 - 31817°_2$	–0.06			0.04	1

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
7298.25	18	13698.14	27213_4 – $40911°_5$	–0.02			0.04	1
7301.89	1	13691.31	23982_2 – $37674°_3$	0.03			0.04	1
7308.43	3	13679.05	15460_3 – $29139°_3$	–0.06			0.04	1
7309.14	1	13677.74					0.04	1
7310.27	3	13675.62	44919_2 – $58595°_2$	0.04			0.04	1n
7310.91	3	13674.42	28898_2 – $42573°_1$	–0.11			0.04	1
7313.00	4	13670.51					0.04	1
7318.95	1	13659.40	31077_2 – $44737°_1$	–0.01			0.04	1n, 3
7322.29	3	13653.17	32135_4 – $45789°_5$	–0.03			0.04	1
7324.79	2	13648.50	24610_3 – $38259°_4$	–0.02			0.04	1
7325.68	1	13646.85	30374_2 – $44021°_3$	0.05			0.04	1
7334.93	1	13629.64	$38748°_4$ – 52378_4	–0.14			0.04	1n
7337.49	3	13624.89	29853_4 – $43478°_3$	–0.03			0.04	1
7340.42	2	13619.45					0.04	1
7344.49	2*w*	13611.90					0.04	1
7347.91	12	13605.56	22476_4 – $36082°_4$	–0.06			0.04	1
7351.35	3	13599.20					0.04	1
7355.00	8	13592.45	$34485°_2$ – 48078_2	–0.01			0.04	1
7361.69	6	13580.10	28291_3 – $41871°_4$	0.04			0.04	1
7363.73	1	13576.34					0.04	1
7365.16	8	13573.70	$36082°_4$ – 49656_3	–0.04			0.04	1
7366.32	2*w*	13571.56					0.04	1
7368.48	10	13567.58	27849_5 – $41417°_6$	–0.14			0.04	1
			44919_2 – $58487°_3$	–0.10				1n
7372.90	1	13559.45					0.04	1
7377.25	2	13551.45	31389_5 – $44940°_4$	–0.04			0.04	1
7381.31	15	13544.00	19826_5 – $33370°_5$	0.00	1.66e+4	D	0.04	1w, 7t
7384.12	8*w*	13538.84	$32957°_3$ – 46496_3	–0.20			0.04	1
7385.08	60	13537.08	18280_2 – $31817°_2$	–0.07			0.04	1
7385.62	4	13536.10	23930_3 – $37466°_2$	–0.12			0.04	1
7386.35	1	13534.76	31389_5 – $44923°_6$	–0.06			0.04	1
7386.56	2	13534.38					0.04	1
7389.02	6	13529.87	28204_2 – $41734°_2$	–0.06			0.04	1
7390.12	1	13527.85					0.04	1
7392.05	3	13524.32	28347_3 – $41871°_4$	–0.02			0.04	1
7410.82	2	13490.06	28204_2 – $41694°_3$	–0.08			0.04	1
7416.29	1	13480.12	29430_3 – $42910°_4$	–0.12			0.04	1n, 3
			37414_3 – $50894°_3$	0.11				3
7416.64	1	13479.47	17107_4 – $30586°_3$	–0.16			0.04	1
7429.10	5	13456.87	27670_1 – $41127°_0$	–0.03			0.04	1

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
7431.78	2	13452.02	27213_4 – $40665°_3$	–0.01			0.04	1
7433.40	3	13449.09	23455_1 – $36904°_2$	–0.05			0.04	1
			$37674°_3$ – 51123_4	0.03				1
7437.19	8	13442.23	28291_3 – $41734°_2$	–0.02			0.04	1
			24610_3 – $38053°_3$	0.06				1
7439.45	8	13438.15					0.04	1
7448.21	6*w*	13422.35	22852_4 – $36275°_5$	0.05			0.04	1
7451.39	15	13416.62	24789_2 – $38206°_3$	–0.10			0.04	1
			22773_0 – $36190°_1$	–0.09				1
7452.08	2*w*	13415.38	32135_4 – $45551°_3$	0.00			0.04	1
7456.37	10	13407.66	26861_2 – $40269°_3$	–0.05			0.04	1
7459.27	12	13402.45	28291_3 – $41694°_3$	–0.01			0.04	1
7462.19	4	13397.20	29853_4 – $43251°_4$	–0.14			0.04	1
7466.11	5	13390.17	24610_3 – $38001°_4$	–0.07			0.04	1
7467.74	2	13387.25	34302_4 – $47689°_4$	–0.04			0.04	1
7468.22	8	13386.39	28347_3 – $41734°_2$	–0.14			0.04	1
			37414_3 – $50800°_3$	0.06				1n
7470.41	7	13382.46	32378_1 – $45760°_1$	0.06			0.04	1
7471.56	15	13380.40	33291_6 – $46672°_6$	–0.02			0.04	1
7473.90	1	13376.21	35299_4 – $48676°_4$	–0.05			0.04	1n, 3
7483.35	30	13359.32	20983_2 – $34342°_1$	–0.10	3.1e+5	B	0.04	1w, 8t
7489.50	4	13348.35	27849_5 – $41198°_4$	0.01			0.04	1
7493.08	3	13341.98	16431_4 – $29773°_5$	–0.05			0.04	1
7497.96	2	13333.30	33291_6 – $46625°_4$	0.05			0.04	1
7504.13	40	13322.33	13307_1 – $26629°_0$	–0.03			0.04	1
7504.59	2	13321.51	27849_5 – $41171°_6$	–0.13			0.04	1
7507.21	1	13316.86	$33141°_2$ – 46458_1	–0.06			0.04	1
7507.88	6	13315.68	32135_4 – $45451°_5$	–0.03			0.04	1
7509.00	40	13313.68	19827_3 – $33141°_2$	–0.02	1.5e+5	D	0.04	1w, 7t
7515.08	1	13302.91					0.04	1
7520.66	20	13293.05	19535_5 – $32828°_4$	–0.06			0.04	1
7521.59	6	13291.40	34302_4 – $47593°_3$	0.00			0.04	1
			28291_3 – $41583°_2$	0.08				1
7525.54	1	13284.42					0.04	1
7532.38	1	13272.36	$36082°_4$ – 49354_5	–0.02			0.04	1
7537.45	50	13263.44	18974_3 – $32238°_3$	–0.07			0.04	1
			24789_2 – $38053°_3$	0.05				1
7537.95	10	13262.56	27213_4 – $40476°_5$	–0.04			0.04	1
7542.89	4*w*	13253.87	$38748°_4$ – 52002_3	0.06			0.04	1n
7543.46	1*w*	13252.86					0.04	1

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
7550.48	40	13240.54	18082_1 – $31323°_1$	–0.11	1.5e+5	C	0.04	1w, 7t
7556.57	1	13229.87					0.04	1
7561.68	3	13220.94					0.04	1
7563.00	2	13218.62	23455_1 – $36673°_2$	–0.06			0.04	1
7564.38	4	13216.21	23930_3 – $37146°_4$	–0.07			0.04	1
7569.36	2	13207.52	28291_3 – $41499°_3$	–0.03			0.04	1
7569.92	80	13206.54	18116_2 – $31323°_1$	–0.10	3.73e+5	C	0.04	1w, 7t
7574.84	2	13197.96	27670_1 – $40868°_2$	0.04			0.04	1
7576.81	1	13194.53					0.04	1
7581.93	1	13185.62					0.04	1
7582.17	1	13185.20					0.04	1
7582.88	50	13183.97	28233_5 – $41417°_6$	–0.11			0.04	1
7590.55	1	13170.65	29430_3 – $42601°_3$	–0.04			0.04	1n, 3
7595.37	2	13162.29					0.04	1
7598.06	1	13157.63	31389_5 – $44546°_5$	–0.05			0.04	1
7600.78	10*w*	13152.92	$39030°_2$ – 52183_2	–0.03			0.04	1
7601.48	15	13151.71	28347_3 – $41499°_3$	–0.12			0.04	1
7606.85	1	13142.43					0.04	1
7607.97	3	13140.49	30374_2 – $43514°_2$	0.01			0.04	1
7612.18	50	13133.22	23455_1 – $36588°_0$	–0.08			0.04	1
7614.15	150	13129.83	19827_3 – $32957°_3$	–0.07			0.04	1
7626.06	2	13109.32					0.04	1
7627.94	3*w*	13106.09					0.04	1
7628.90	8	13104.44	30374_2 – $43478°_3$	0.06			0.04	1
7630.24	10	13102.14	$31817°_2$ – 44919_2	–0.07			0.04	1
7631.29	40	13100.34	27670_1 – $40770°_1$	0.04			0.04	1
7631.88	3	13099.32					0.04	1
7637.57	2	13089.57					0.04	1
7637.91	2	13088.98					0.04	1
7641.04	3	13083.62	29430_3 – $42514°_3$	–0.02			0.04	1n, 3
7642.34	3	13081.40	$42251°_3$ – 55333_4	–0.21			0.04	1
7643.41	20	13079.56	$36275°_5$ – 49354_5	–0.02			0.04	1
7644.09	3*w*	13078.40					0.04	1
7653.63	30	13062.10	27849_5 – $40911°_5$	–0.08			0.04	1
7654.81	80	13060.09	13307_1 – $26367°_2$	–0.09	1.2e+4	D	0.04	1w, 7t
7656.48	2	13057.23	29853_4 – $42910°_4$	0.15			0.04	1
7657.48	10	13055.54	27213_4 – $40269°_3$	0.01			0.04	1
7657.94	1	13054.75					0.04	1
7658.80	4	13053.28	29479_4 – $42532°_4$	–0.02			0.04	1
7664.88	200	13042.93	18280_2 – $31323°_1$	–0.07	3.80e+5	C	0.04	1w, 7t

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
7666.95	2	13039.41					0.04	1
7669.72	1	13034.70	29479_4 – $42514°_3$	–0.12			0.04	1
7672.29	15	13030.33	22476_4 – $35507°_5$	–0.06			0.04	1
7675.61	20	13024.70	28392_6 – $41417°_6$	–0.12			0.04	1
7676.98	6	13022.38	22476_4 – $35499°_3$	–0.09			0.04	1
7678.57	6	13019.68	29430_3 – $42450°_4$	–0.06			0.04	1n, 3
7679.18	40	13018.64	13348_3 – $26367°_2$	–0.08	6.e+3	E	0.04	1w, 7t
7680.12	1	13017.05	$21448°_2$ – 34465_3	–0.02			0.04	1n, 3
7681.30	4	13015.05					0.04	1
7688.97	80	13002.06	19826_5 – $32828°_4$	–0.02			0.04	1
7689.97	25	13000.37	19827_3 – $32828°_4$	–0.07			0.04	1
7692.80	6	12995.59	32378_1 – $45374°_1$	–0.01			0.04	1
7693.90	4	12993.73					0.04	1
7694.36	3	12992.96	$40923°_3$ – 53916_3	–0.11			0.04	1
7696.04	2	12990.12					0.04	1
7698.00	10	12986.81					0.04	1
7699.48	20	12984.32	24789_2 – $37773°_1$	0.02			0.04	1
7701.01	40	12981.74	19256_4 – $32238°_3$	–0.04			0.04	1
7701.54	1	12980.84	32135_4 – $45116°_4$	0.01			0.04	1
7702.63	2*w*	12979.01	33952_3 – $46931°_4$	0.02			0.04	1n, 3
7704.00	1*w*	12976.70	34465_3 – $47442°_2$	0.00			0.04	1n, 3
7705.58	6	12974.04	23930_3 – $36904°_2$	–0.04			0.04	1
7706.80	5*w*	12971.98	$39030°_2$ – 52002_3	–0.02			0.04	1
7711.08	1	12964.78	28233_5 – $41198°_4$	0.08			0.04	1n
7721.49	2*w*	12947.30					0.04	1
7722.06	12	12946.35					0.04	1
7723.34	12	12944.20	23930_3 – $36874°_3$	–0.08			0.04	1
7726.81	4	12938.39					0.04	1
7727.07	20	12937.96	28233_5 – $41171°_6$	–0.04			0.04	1
7729.36	2	12934.12					0.04	1
7732.06	4	12929.61	$38355°_1$ – 51285_0	–0.01			0.04	1
7736.29	8	12922.54	13307_1 – $26229°_2$	–0.13			0.04	1
7746.08	20	12906.20	28291_3 – $41198°_4$	–0.06			0.04	1
7747.07	3	12904.56	33201_5 – $46106°_6$	–0.03			0.04	1n, 3
7749.65	6	12900.26	28204_2 – $41104°_2$	–0.06			0.04	1
7754.92	6	12891.49	23982_2 – $36874°_3$	–0.07			0.04	1
7758.58	20	12885.41	17701_3 – $30586°_3$	–0.05			0.04	1
7761.16	40	12881.13	13348_3 – $26229°_2$	–0.08			0.04	1
7761.61	1	12880.38					0.04	1
7771.65	6	12863.74	$38259°_4$ – 51123_4	0.00			0.04	1

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
7772.52	8	12862.30	$28720_1 - 41583°_2$	–0.02			0.04	1
7774.68	10	12858.73	$35116°_4 - 47975_4$	–0.03			0.04	1
7776.73	30	12855.34	$24610_3 - 37466°_2$	–0.08			0.04	1
7777.81	6	12853.55	$30374_2 - 43227°_2$	0.09			0.04	1
7779.71	5	12850.41	$28347_3 - 41198°_4$	–0.13			0.04	1
7782.77	12	12845.36	$26861_2 - 39707°_2$	–0.02			0.04	1
7784.15	100	12843.08	$18974_3 - 31817°_2$	–0.04			0.04	1
7785.65	3	12840.61	$13348_3 - 26189°_3$	–0.03			0.04	1
7790.13	5	12833.23					0.04	1
7793.33	4	12827.96					0.04	1
7797.57	5	12820.98	$29430_3 - 42251°_3$	–0.03			0.04	1n, 3
7798.39	6	12819.63	$15069_5 - 27889°_4$	–0.12			0.04	1
7799.64	1	12817.58					0.04	1
7801.60	8	12814.36	$33291_6 - 46106°_6$	–0.04			0.04	1
7802.65	2	12812.63	$28291_3 - 41104°_2$	–0.01			0.04	1
7805.87	2	12807.35					0.04	1
7806.81	8	12805.81	$17107_4 - 29912°_3$	–0.03			0.04	1
7808.96	60	12802.28	$14976_2 - 27778°_1$	–0.04	4.9e+4	C	0.04	1w, 7t
7812.44	7	12796.58	$32217_3 - 45014°_3$	–0.05			0.04	1n, 3
7819.14	1	12785.61	$41871°_4 - 54657_3$	–0.01			0.04	1n
7819.67	7	12784.75	$26861_2 - 39646°_3$	–0.02			0.04	1
7820.28	2	12783.75					0.04	1
7823.82	40	12777.96	$29460_7 - 42239°_6$	–0.12			0.04	1
7825.64	3	12774.99	$26861_2 - 39636°_1$	0.01			0.04	1
7826.86	3	12773.00	$31077_2 - 43850°_3$	–0.04			0.04	1n, 3
7827.42	15	12772.09	$29479_4 - 42251°_3$	–0.10			0.04	1
7835.82	12	12758.40					0.04	1
7836.78	5	12756.83	$28347_3 - 41104°_2$	–0.09			0.04	1
7838.84	4	12753.48	$39183°_1 - 51936_2$	–0.16			0.04	1
7839.50	12	12752.41					0.04	1
7844.95	7	12743.55	$23930_3 - 36673°_2$	–0.07			0.04	1
7846.33	5*w*	12741.31					0.04	1
7849.93	2	12735.46	$23455_1 - 36190°_1$	–0.01			0.04	1
7863.47	60	12713.54	$20427_1 - 33141°_2$	0.00	1.2e+5	D	0.04	1w, 7t
7867.04	50	12707.77	$16431_4 - 29139°_3$	–0.04	2.09e+4	D	0.04	1w, 7t
7877.51	15	12690.88	$23982_2 - 36673°_2$	–0.02			0.04	1
7878.48	5	12689.31					0.04	1
7880.40	70	12686.22	$14976_2 - 27662°_2$	–0.12	1.8e+4	E	0.04	1w, 7t
7883.16	10	12681.78	$32238°_3 - 44919_2$	–0.04			0.04	1
7884.96	7	12678.88	$29853_4 - 42532°_4$	–0.08			0.04	1

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
7885.25	6	12678.42	28233_5 – $40911°_5$	–0.12			0.04	1
7886.48	80	12676.44	13307_1 – $25983°_1$	–0.06	3.0e+4	C	0.04	1w, 7t
7892.81	5	12666.28	17107_4 – $29773°_5$	–0.05			0.04	1
7894.08	2	12664.24	28204_2 – $40868°_2$	0.04			0.04	1
7894.61	2	12663.39					0.04	1
7896.48	6	12660.39	29853_4 – $42514°_3$	–0.09			0.04	1
7901.83	3*w*	12651.82					0.04	1
7905.30	40	12646.26	22852_4 – $35499°_3$	–0.09			0.04	1
7906.37	1	12644.55					0.04	1
7909.21	40	12640.01	22476_4 – $35116°_4$	–0.09			0.04	1
7912.64	8	12634.53	17008_6 – $29643°_6$	–0.03			0.04	1
7914.31	15	12631.87	28291_3 – $40923°_3$	–0.08			0.04	1
7917.64	5	12626.55	27849_5 – $40476°_5$	–0.07			0.04	1
7918.27	2	12625.55					0.04	1
7934.00	6	12600.52	28898_2 – $41499°_3$	0.05			0.04	1
7940.92	120	12589.54	13777_2 – $26367°_2$	–0.03	5.0e+4	D	0.04	1w, 7t
7947.45	7	12579.19	$35499°_3$ – 48078_2	0.02			0.04	1
7948.12	3*w*	12578.13					0.04	1
7949.17	5	12576.47	28291_3 – $40868°_2$	–0.05			0.04	1
7953.03	2	12570.36					0.04	1
7955.41	25	12566.61	28204_2 – $40770°_1$	0.03			0.04	1
7957.06	40	12564.00	19253_2 – $31817°_2$	–0.07			0.04	1
7965.76	5	12550.28	$38355°_1$ – 50906_1	–0.08			0.04	1
7967.14	20	12548.10	29430_3 – $41978°_2$	–0.02			0.04	1n, 3
7968.15	2	12546.51	$39636°_1$ – 52183_2	–0.07			0.04	1
7975.38	10	12535.14	31389_5 – $43924°_5$	–0.03			0.04	1
7977.18	2	12532.31					0.04	1
7979.54	1	12528.60					0.04	1
7981.08	1	12526.19					0.04	1
7985.51	12	12519.24	28392_6 – $40911°_5$	–0.04			0.04	1
7985.91	2	12518.61					0.04	1
7988.72	10	12514.21	$33944°_2$ – 46458_1	–0.03			0.04	1
7990.20	4	12511.89	14976_2 – $27488°_3$	–0.04			0.04	1
7991.62	25	12509.67	$37146°_4$ – 49656_3	–0.01			0.04	1
7992.89	2	12507.68					0.04	1
7993.87	4	12506.15	27213_4 – $39719°_4$	0.01			0.04	1
7998.74	2	12498.53	33569_4 – $46068°_3$	0.04			0.04	1n, 3
8017.19	120	12469.77	18116_2 – $30586°_3$	–0.03	1.6e+5	E	0.05	1w, 7t
8022.40	20	12461.67	28204_2 – $40665°_3$	0.02			0.05	1
8024.52	6	12458.38	18974_3 – $31432°_4$	–0.02			0.05	1

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
8028.62	1	12452.02	13777_2 – $26229°_2$	–0.04			0.05	1
8037.22	1	12438.69					0.05	1
8039.04	1	12435.88	32826_3 – $45262°_4$	–0.04			0.05	1n, 3
8043.11	1	12429.58	15460_3 – $27889°_4$	–0.09			0.05	1
8054.89	30	12411.41	13777_2 – $26189°_3$	–0.08	3.3e+4	D	0.05	1w, 7t
8055.64	120	12410.25	19827_3 – $32238°_3$	–0.09			0.05	1
8057.13	10	12407.96					0.05	1
8058.15	20	12406.38	28720_1 – $41127°_0$	–0.12			0.05	1
8060.38	60	12402.95	18280_2 – $30683°_1$	–0.11			0.05	1
8061.78	2*w*	12400.80	31077_2 – $43478°_3$	0.02			0.05	1n, 3
8064.83	5	12396.11					0.05	1
8072.09	1	12384.96					0.05	1
8076.41	2	12378.34	32217_3 – $44596°_2$	–0.03			0.05	1n, 3
8078.58	2*w*	12375.01	$34121°_4$ – 46496_3	0.07			0.05	1
8079.26	5	12373.97	28291_3 – $40665°_3$	0.00			0.05	1
8084.54	12	12365.89	16431_4 – $28797°_4$	–0.04			0.05	1
8091.14	30	12355.80	$39646°_3$ – 52002_3	–0.04			0.05	1
8093.44	15	12352.29	31389_5 – $43741°_5$	0.00			0.05	1
8100.80	1	12341.07	27670_1 – $40011°_2$	0.05			0.05	1
8101.05	1	12340.68	34465_3 – $46806°_2$	0.06			0.05	1n, 3
8106.88	5	12331.81	31389_5 – $43720°_4$	0.02			0.05	1
8111.86	3	12324.24					0.05	1
8112.70	10	12322.96	34302_4 – $46625°_4$	–0.05			0.05	1
8115.85	8	12318.18	28347_3 – $40665°_3$	–0.07			0.05	1
8122.63	1	12307.90					0.05	1
8123.82	150	12306.10	18280_2 – $30586°_3$	–0.06	1.0e+5	E	0.05	1w, 7t
8125.08	1	12304.19					0.05	1
8125.47	10	12303.60	29430_3 – $41734°_2$	–0.03			0.05	1n, 3
8127.78	5	12300.10	$39636°_1$ – 51936_2	–0.12			0.05	1
8128.76	4	12298.62					0.05	1
8132.35	15	12293.19	24610_3 – $36904°_2$	–0.09			0.05	1
8136.26	2*w*	12287.28					0.05	1
8136.98	1	12286.20	$44546°_5$ – 56832_6	0.06			0.05	1
8137.38	8	12285.59	37414_3 – $49699°_2$	0.14			0.05	1n, 3
8137.96	1	12284.72					0.05	1
8139.57	30	12282.28	$39719°_4$ – 52002_3	–0.01			0.05	1
8143.19	60	12276.82	23455_1 – $35731°_2$	–0.12			0.05	1
8145.58	1	12273.22	$40011°_2$ – 52284_3	–0.04			0.05	1
8146.35	1	12272.06					0.05	1
8149.33	1	12267.58					0.05	1

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
8150.86	1	12265.27					0.05	1
8151.80	1	12263.86	29430_3 – $41694°_3$	0.02			0.05	1n, 3
8160.80	5	12250.33					0.05	1
8161.04	1	12249.97	33201_5 – $45451°_5$	–0.07			0.05	1n, 3
8161.44	5	12249.37					0.05	1
8165.72	30	12242.95	28233_5 – $40476°_5$	–0.03			0.05	1
8175.02	1	12229.02	32217_3 – $44447°_3$	–0.09			0.05	1n, 3
8180.26	1	12221.19	$44546°_5$ – 56768_5	–0.11			0.05	1n
8181.34	1	12219.58	33569_4 – $45789°_5$	–0.03			0.05	1n, 3
8186.69	12	12211.59	17701_3 – $29912°_3$	–0.08			0.05	1
8188.61	1	12208.73					0.05	1
8189.36	15	12207.61	23982_2 – $36190°_1$	–0.08			0.05	1
8190.74	2	12205.55	28898_2 – $41104°_2$	–0.01			0.05	1n
8192.80	3	12202.48	15460_3 – $27662°_2$	–0.03			0.05	1
8210.22	50	12176.60	19256_4 – $31432°_4$	–0.07	6.0e+4	C	0.05	1w, 7t
8215.08	1	12169.39	$38355°_1$ – 50525_2	–0.12			0.05	1n
8215.52	5	12168.74	26861_2 – $39030°_2$	0.13			0.05	1
8222.52	1	12158.38	20983_2 – $33141°_2$	0.02			0.05	1
8226.73	1	12152.16	23930_3 – $36082°_4$	–0.06			0.05	1
8229.81	4	12147.61	28720_1 – $40868°_2$	0.09			0.05	1
8230.25	1	12146.96					0.05	1
8234.99	8	12139.97	30374_2 – $42514°_3$	0.03			0.05	1
8242.81	3*w*	12128.45	$31323°_1$ – 43451_1	–0.05			0.05	1
8248.90	3*w*	12119.50					0.05	1
8251.89	1	12115.11	33952_3 – $46068°_3$	–0.06			0.05	1n, 3
8252.38	8	12114.39	24789_2 – $36904°_2$	–0.11			0.05	1
8260.68	12	12102.22	$41871°_4$ – 53974_5	0.06			0.05	1
8263.42	2*w*	12098.20					0.05	1
8265.50	15	12095.16					0.05	1
8268.09	1	12091.37					0.05	1
8269.02	2	12090.01					0.05	1
8270.47	1	12087.89					0.05	1
8272.74	10	12084.57	24789_2 – $36874°_3$	–0.13			0.05	1
8273.36	8	12083.67	28392_6 – $40476°_5$	–0.05			0.05	1
8278.44	1	12076.25					0.05	1
8282.85	5	12069.82	19253_2 – $31323°_1$	–0.10			0.05	1
8283.20	1	12069.31					0.05	1
8283.50	2	12068.87	29430_3 – $41499°_3$	–0.06			0.05	1n, 3
8286.05	10	12065.16	28204_2 – $40269°_3$	0.01			0.05	1
8287.72	8	12062.73	24610_3 – $36673°_2$	–0.09			0.05	1

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
8289.01	1	12060.85	33201_5 – $45262°_4$	–0.09			0.05	1n, 3
8290.44	10	12058.77					0.05	1
8292.64	1	12055.57					0.05	1
8294.39	1*w*	12053.03					0.05	1
8294.79	1	12052.45					0.05	1
8296.02	2	12050.66	$40233°_4$ – 52284_3	–0.13			0.05	1
8299.56	8	12045.52	$37309°_5$ – 49354_5	0.00			0.05	1
8301.18	1	12043.17					0.06	1
8306.12	3	12036.01					0.06	1
8308.83	6	12032.08	17107_4 – $29139°_3$	–0.03			0.06	1
8311.63	25	12028.03	15460_3 – $27488°_3$	–0.07			0.06	1
8312.66	1	12026.54					0.06	1
8313.64	1	12025.12					0.06	1
8313.80	1	12024.89	28898_2 – $40923°_3$	0.02			0.06	1
8317.14	15	12020.06	29479_4 – $41499°_3$	–0.05			0.06	1
8322.05	50	12012.97	23930_3 – $35943°_3$	–0.12	7.4e+4	D	0.06	1w, 7t
8329.37	1	12002.41					0.06	1
8330.70	1*w*	12000.50	28233_5 – $40233°_4$	–0.03			0.06	1n
8336.00	1	11992.87					0.06	1
8336.50	1	11992.14					0.06	1
8338.08	120	11989.87	19827_3 – $31817°_2$	–0.08			0.06	1
8339.07	4	11988.45					0.06	1
8343.61	6	11981.93	$37674°_3$ – 49656_3	–0.03			0.06	1
8344.08	1	11981.25					0.06	1
8346.72	5	11977.46	28291_3 – $40269°_3$	–0.01			0.06	1
8348.81	50	11974.46	20983_2 – $32957°_3$	–0.10			0.06	1
8350.24	15	11972.41	$34485°_2$ – 46458_1	–0.03			0.06	1
8354.60	5	11966.17	27670_1 – $39636°_1$	0.03			0.06	1
8357.32	1	11962.27	$32957°_3$ – 44919_2	0.01			0.06	1
8358.72	75	11960.27	23982_2 – $35943°_3$	–0.10	1.89e+5	D	0.06	1w, 7t
8359.85	20	11958.65	20427_1 – $32386°_0$	–0.07			0.06	1
8364.78	1*w*	11951.60					0.06	1
8367.97	1	11947.05					0.06	1
8368.27	6	11946.62					0.06	1
8369.06	20	11945.49	22773_0 – $34719°_1$	–0.06			0.06	1
8382.94	30	11925.71	9528_0 – $21453°_1$	–0.13	1.0e+4	E	0.06	1w, 7t
8385.81	2	11921.63	28347_3 – $40269°_3$	–0.12			0.06	1
8387.87	1*w*	11918.70	$39030°_2$ – 50949_1	–0.12			0.06	1n
8389.46	1	11916.44					0.06	1
8390.39	10	11915.12	33201_5 – $45116°_4$	–0.04			0.06	1n, 3

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
8398.18	1	11904.07					0.06	1
8399.59	2	11902.07					0.06	1
8401.08	6	11899.96					0.06	1
8402.60	40	11897.81	19535_5 – $31432°_4$	–0.09	3.8e+4	D	0.06	1w, 7t
8403.30	1	11896.82					0.06	1
8404.28	1*w*	11895.43					0.06	1
8405.86	5	11893.20	$36082°_4$ – 47975_4	–0.04			0.06	1
8409.44	8	11888.13	30374_2 – $42262°_1$	0.03			0.06	1
8417.13	40	11877.27	22476_4 – $34354°_3$	–0.13			0.06	1
			30374_2 – $42251°_3$	–0.04				1
8421.01	3	11871.80	28898_2 – $40770°_1$	–0.02			0.06	1
8422.20	4	11870.12	27849_5 – $39719°_4$	–0.04			0.06	1
8423.15	1	11868.78					0.06	1
8428.10	1	11861.81	34465_3 – $46327°_2$	–0.11			0.06	1n, 3
8431.95	20	11856.40	23455_1 – $35311°_2$	–0.14			0.06	1
8433.12	1	11854.75					0.06	1
8434.88	1	11852.28	$41104°_2$ – 52956_1	–0.12			0.06	1n
8436.90	3	11849.44	32135_4 – $43985°_4$	–0.03			0.06	1
8449.01	4	11832.46					0.06	1
8466.97	1	11807.36	28204_2 – $40011°_2$	0.06			0.06	1
8470.08	4	11803.02	32217_3 – $44021°_3$	–0.07			0.06	1n, 3
8470.53	5	11802.39					0.06	1
8470.95	15	11801.81	23930_3 – $35731°_2$	–0.07			0.06	1
8475.14	40	11795.97	18116_2 – $29912°_3$	–0.04			0.06	1
8486.81	20	11779.75	22852_4 – $34632°_4$	–0.05			0.06	1
8495.07	15	11768.30	$40233°_4$ – 52002_3	0.02			0.06	1
8495.70	8	11767.43	32217_3 – $43985°_4$	–0.07			0.06	1n, 3
8496.70	1	11766.04	34302_4 – $46068°_3$	0.06			0.06	1
8497.42	4	11765.05					0.06	1
8498.00	1	11764.24	27849_5 – $39614°_5$	–0.01			0.06	1
8499.51	12	11762.15	$39361°_5$ – 51123_4	0.02			0.06	1
8506.97	30	11751.84	22476_4 – $34228°_3$	–0.08			0.07	1
8508.93	4	11749.13	23982_2 – $35731°_2$	–0.03			0.07	1
8509.43	1	11748.44					0.07	1
8515.40	25	11740.20					0.07	1
8516.34	20	11738.91	$34719°_1$ – 46458_1	–0.06			0.07	1
8518.87	4	11735.42					0.07	1
8522.08	3	11731.00					0.07	1
8527.98	8	11722.89	$39183°_1$ – 50906_1	–0.11			0.07	1
8530.99	15	11718.75	29479_4 – $41198°_4$	–0.07			0.07	1

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
8533.77	2	11714.93	32135_4 – $43850°_3$	0.03			0.07	1
8537.07	2	11710.40	29460_7 – $41171°_6$	–0.06			0.07	1
8537.77	1	11709.44	46496_3 – $58206°_3$	0.06			0.07	1n
8542.90	3	11702.41					0.07	1
8543.51	1	11701.58	$40583°_4$ – 52284_3	–0.11			0.07	1n
8550.37	8	11692.19	17701_3 – $29393°_2$	–0.03			0.07	1
8551.86	1	11690.15	17107_4 – $28797°_4$	–0.08			0.07	1
8566.61	1	11670.02					0.07	1
8571.16	4	11663.83	28347_3 – $40011°_2$	–0.07			0.07	1
8571.80	1	11662.96					0.07	1
8574.70	2	11659.01					0.07	1
8577.69	5	11654.95	$38001°_4$ – 49656_3	0.03			0.07	1
8577.95	2	11654.60					0.07	1
8584.51	2	11645.69	29853_4 – $41499°_3$	–0.08			0.07	1
8585.11	300	11644.88	31389_5 – $43034°_5$	–0.14			0.07	1
			22476_4 – $34121°_4$	–0.12				1
8587.43	1	11641.73					0.07	1
8592.85	1	11634.39	$31817°_2$ – 43451_1	0.04			0.07	1
8593.94	3	11632.91	$44940°_4$ – 56573_5	–0.06			0.07	1
8594.42	120	11632.26	18280_2 – $29912°_3$	–0.11			0.07	1
			33291_6 – $44923°_6$	0.16				1
8613.27	50	11606.80	19826_5 – $31432°_4$	–0.07	5.7e+4	D	0.07	1w, 7t
8614.50	30	11605.15	19827_3 – $31432°_4$	–0.08	2.6e+4	D	0.07	1w, 7t
8615.02	3	11604.45	30374_2 – $41978°_2$	0.03			0.07	1
8616.12	1	11602.96	$38053°_3$ – 49656_3	–0.03			0.07	1
8619.49	2	11598.43	33952_3 – $45551°_3$	–0.04			0.07	1n, 3
8621.14	1	11596.21					0.07	1
8626.00	10	11589.68					0.07	1
8628.04	1	11586.94					0.07	1
8640.12	1	11570.74					0.07	1
8640.59	3	11570.11					0.07	1
8641.42	25	11569.00	23930_3 – $35499°_3$	–0.07			0.07	1
8641.75	20	11568.55	22773_0 – $34342°_1$	–0.11			0.07	1
8651.92	1	11554.95	35299_4 – $46854°_5$	–0.03			0.07	1n, 3
8654.77	2	11551.15					0.07	1
8660.29	1	11543.79					0.07	1
8662.53	1	11540.80	32826_3 – $44367°_2$	–0.07			0.07	1n, 3
8673.93	2	11525.63	$40411°_1$ – 51936_2	–0.09			0.07	1
8676.93	6	11521.65	31389_5 – $42910°_4$	–0.01			0.07	1
8680.98	5	11516.27	23982_2 – $35499°_3$	–0.08			0.07	1

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
8683.59	1	11512.81	27670_1 – $39183°_1$	0.09			0.07	1
8684.86	6	11511.13	27849_5 – $39361°_5$	–0.08			0.07	1
8686.40	8	11509.09	$39614°_5$ – 51123_4	0.00			0.07	1
8691.03	1*w*	11502.96	32217_3 – $43720°_4$	0.00			0.07	1n, 3
8692.38	5	11501.17	22852_4 – $34354°_3$	–0.11			0.07	1
8697.32	4	11494.64	17701_3 – $29195°_2$	–0.02			0.07	1
8697.70	1	11494.14	26861_2 – $38355°_1$	–0.06			0.07	1
8698.35	8	11493.28	29430_3 – $40923°_3$	–0.05			0.07	1n, 3
8703.45	2	11486.54	28233_5 – $39719°_4$	0.02			0.07	1
8710.77	12	11476.89	31389_5 – $42866°_5$	–0.03			0.07	1
8714.98	4	11471.34	24610_3 – $36082°_4$	–0.08			0.07	1n
8723.90	1	11459.62					0.07	1
8731.48	1	11449.67	$38206°_3$ – 49656_3	0.01			0.07	1
8732.93	3	11447.77					0.07	1
8737.18	1	11442.20	28204_2 – $39646°_3$	–0.01			0.07	1
8740.47	25	11437.89	17701_3 – $29139°_3$	–0.05	2.74e+4	D	0.07	1w, 7t
8744.60	15	11432.49	28204_2 – $39636°_1$	0.07			0.07	1
8746.63	40	11429.84	19253_2 – $30683°_1$	–0.14			0.07	1
8754.76	10	11419.22	$40583°_4$ – 52002_3	0.04			0.07	1
8766.00	4	11404.58	$36673°_2$ – 48078_2	–0.04			0.07	1
8767.08	1	11403.17	$39719°_4$ – 51123_4	–0.01			0.07	1
8772.12	1	11396.62	$38259°_4$ – 49656_3	–0.02			0.07	1
8776.42	8	11391.04	14976_2 – $26367°_2$	–0.06			0.07	1
8777.43	12	11389.73	20427_1 – $31817°_2$	–0.06			0.07	1
8784.47	6	11380.60	28233_5 – $39614°_5$	–0.01			0.07	1
8786.31	1	11378.22					0.07	1
8788.24	4	11375.72	22852_4 – $34228°_3$	–0.08			0.07	1
8791.89	1	11371.00	33569_4 – $44940°_4$	–0.04			0.07	1n, 3
8800.39	1	11360.01	30374_2 – $41734°_2$	0.08			0.08	1n
8821.37	5	11333.00	19253_2 – $30586°_3$	–0.08			0.08	1
8823.42	7	11330.36	19256_4 – $30586°_3$	–0.04			0.08	1
8834.34	1	11316.36	28392_6 – $39709°_7$	0.02			0.08	1n
8838.86	1	11310.57	18082_1 – $29393°_2$	0.00			0.08	1
8865.53	10	11276.55	18116_2 – $29393°_2$	–0.01	1.4e+5	D	0.08	1w, 7t
8871.62	8	11268.80	22852_4 – $34121°_4$	–0.08	8.3e+4	D	0.08	1w, 7t
8875.20	1*w*	11264.25	23455_1 – $34719°_1$	–0.06			0.08	1n
8882.52	1*w*	11254.97	20983_2 – $32238°_3$	–0.03			0.08	1n
			33291_6 – $44546°_5$	0.01				1n
8883.66	5	11253.53	14976_2 – $26229°_2$	–0.06			0.08	1
8909.14	1	11221.35	28392_6 – $39614°_5$	0.00			0.08	1n

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
8914.99	1	11213.98					0.08	1
8915.83	8	11212.93	14976_2 – $26189°_3$	–0.09			0.08	1
8922.98	5	11203.94	$36874°_3$ – 48078_2	–0.02			0.08	1
8936.80	5	11186.62	23930_3 – $35116°_4$	–0.08			0.08	1
8946.76	1	11174.16	$36904°_2$ – 48078_2	0.00			0.08	1
8947.10	1	11173.74	31077_2 – $42251°_3$	0.03			0.08	1n, 3
8966.47	3	11149.60	34302_4 – $45451°_5$	–0.01			0.08	1
8977.15	1	11136.34	32378_1 – $43514°_2$	0.06			0.08	1
8981.39	20	11131.08					0.08	1
8984.25	6	11127.54	28233_5 – $39361°_5$	–0.03			0.08	1
8989.52	2	11121.01	24610_3 – $35731°_2$	–0.07			0.08	1n
8992.09	6*w*	11117.83					0.08	1
8996.08	6	11112.90	18082_1 – $29195°_2$	–0.11			0.08	1
			18280_2 – $29393°_2$	–0.02				1
9005.61	1	11101.14	$36874°_3$ – 47975_4	–0.04			0.07	1
9007.55	1	11098.75	33291_6 – $44390°_6$	0.13			0.07	1
9009.73	1	11096.06	17701_3 – $28797°_4$	0.00			0.07	1
9010.34	1	11095.32	$38259°_4$ – 49354_5	0.04			0.07	1
9017.84	1	11086.09					0.07	1
9018.33	1	11085.48	34465_3 – $45551°_3$	–0.01			0.07	1n, 3
9023.80	1	11078.76	18116_2 – $29195°_2$	–0.24			0.07	1
			$41104°_2$ – 52183_2	0.08				1n
9041.53	0	11057.04	16431_4 – $27488°_3$	0.24			0.07	1
9050.80	1	11045.72	27213_4 – $38259°_4$	0.14			0.07	1
9069.98	5	11022.36	18116_2 – $29139°_3$	0.08	2.04e+4	D	0.07	1w, 7t
9082.33	3	11007.37	14976_2 – $25983°_1$	–0.05	2.0e+4	D	0.07	1w, 7t
9083.90	2	11005.47					0.07	1
9090.86	2	10997.04	29479_4 – $40476°_5$	–0.06			0.07	1
9110.83	10	10972.94					0.07	1
9114.72	1	10968.25	28392_6 – $39361°_5$	–0.06			0.07	1
9139.70	5	10938.28	18974_3 – $29912°_3$	–0.06			0.07	1
9157.89	1	10916.55					0.07	1
9158.90	20	10915.35	18280_2 – $29195°_2$	–0.01	1.2e+5	D	0.07	1w, 7t
9161.47	6	10912.28	26861_2 – $37773°_1$	–0.04			0.07	1
9165.38	4	10907.63	$38748°_4$ – 49656_3	0.03			0.07	1
9165.78	1	10907.15	15460_3 – $26367°_2$	–0.12			0.07	1
9167.00	4	10905.70	27670_1 – $38576°_0$	0.04			0.07	1
9169.77	2	10902.41					0.07	1
9175.52	2	10895.58	20427_1 – $31323°_1$	–0.06			0.07	1
9177.39	7	10893.36	22476_4 – $33370°_5$	0.00	2.5e+4	D	0.07	1w, 7t

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
9181.75	4	10888.18	24610_3 – $35499°_3$	–0.09			0.07	1
9182.46	1	10887.34	23455_1 – $34342°_1$	–0.08			0.07	1n
9203.07	0	10862.96					0.08	1
9203.80	3	10862.10					0.08	1
9206.78	3	10858.58	18280_2 – $29139°_3$	–0.06			0.08	1
9214.14	2	10849.91	31389_5 – $42239°_6$	–0.07			0.08	1
9227.14	2	10834.62	20983_2 – $31817°_2$	0.01			0.08	1
9234.42	5	10826.08	28204_2 – $39030°_2$	0.03			0.08	1
9246.28	3*w*	10812.19	29853_4 – $40665°_3$	0.00			0.08	1
9253.21	1	10804.10	$41198°_4$ – 52002_3	–0.01			0.08	1n
9262.88	1	10792.82					0.08	1
9265.32	2	10789.98	29479_4 – $40269°_3$	–0.05			0.08	1n
9267.65	3	10787.26	27213_4 – $38001°_4$	–0.04			0.08	1
9270.69	1	10783.72	33201_5 – $43985°_4$	–0.08			0.08	1n, 3
9282.81	7	10769.64	15460_3 – $26229°_2$	–0.12			0.08	1
9292.09	5	10758.89	19827_3 – $30586°_3$	–0.07			0.08	1
9317.84	5*w*	10729.16	15460_3 – $26189°_3$	–0.03			0.08	1
9320.32	7	10726.30	$35731°_2$ – 46458_1	–0.04			0.08	1
9341.08	1	10702.46	23930_3 – $34632°_4$	–0.06			0.08	1n
9342.76	4	10700.54	24610_3 – $35311°_2$	–0.14			0.08	1
9353.72	2	10688.00	32826_3 – $43514°_2$	–0.05			0.08	1n, 3
9379.00	5	10659.19	19253_2 – $29912°_3$	–0.10			0.08	1
9381.36	30	10656.51	19256_4 – $29912°_3$	–0.10	1.53e+5	D	0.08	1w, 7t
9389.99	3	10646.72	$40476°_5$ – 51123_4	0.00			0.08	1
9399.03	1	10636.48	$44021°_3$ – 54657_3	–0.08			0.08	1
9402.58	1	10632.46	33291_6 – $43924°_5$	0.01			0.08	1n
9485.24	1	10539.80	$40583°_4$ – 51123_4	–0.27			0.08	1
			33201_5 – $43741°_5$	0.04				1n
9505.62	2*w*	10517.21	22852_4 – $33370°_5$	–0.03			0.09	1
9507.62	2	10515.00	28233_5 – $38748°_4$	0.00			0.09	1
9512.85	2	10509.21	20174_0 – $30683°_1$	–0.13			0.09	1n
9515.88	5	10505.87	24610_3 – $35116°_4$	–0.03			0.09	1
			$34719°_1$ – 45225_0	–0.02				1
9518.50	1	10502.98	23982_2 – $34485°_2$	–0.08			0.09	1n
			$41499°_3$ – 52002_3	0.16				1
9529.67	1	10490.67					0.09	1
9531.25	7	10488.93	23455_1 – $33944°_2$	–0.11			0.09	1n
			$41694°_3$ – 52183_2	0.07				1n
9538.58	20	10480.87	22476_4 – $32957°_3$	–0.03			0.09	1
9590.74	1	10423.86	23930_3 – $34354°_3$	–0.14			0.09	1

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
9595.35	3	10418.86	18974_3 – $29393°_2$	–0.03			0.09	1
9615.88	1	10396.61	30374_2 – $40770°_1$	0.03			0.09	1
9632.98	1	10378.16	32135_4 – $42514°_3$	–0.04			0.09	1n
9639.47	1	10371.17	23982_2 – $34354°_3$	–0.11			0.09	1n
9668.13	1	10340.43	20983_2 – $31323°_1$	–0.03			0.09	1
9707.53	1	10298.46	23930_3 – $34228°_3$	–0.06			0.09	1
9726.08	2	10278.82					0.09	1
9728.03	2	10276.76					0.09	1
9736.31	1	10268.02	$41734°_2$ – 52002_3	–0.10			0.09	1n
			$36190°_1$ – 46458_1	0.21				1
9747.98	4	10255.72	20427_1 – $30683°_1$	0.02			0.09	1
9755.27	2	10248.06	29460_7 – $39709°_7$	0.00			0.09	1
9757.51	5	10245.71	23982_2 – $34228°_3$	–0.09			0.09	1n
9764.61	6	10238.26	19535_5 – $29773°_5$	–0.07	1.9e+4	D	0.09	1w, 7t
9778.95	0	10223.24					0.09	1
9780.79	4	10221.32	18974_3 – $29195°_2$	–0.01			0.09	1
9809.43	12	10191.48	23930_3 – $34121°_4$	–0.12	9.7e+4	D	0.09	1w, 7t
9813.74	10	10187.00	13777_2 – $23964°_2$	0.04			0.09	1
9833.12	0	10166.92	29479_4 – $39646°_3$	–0.17			0.09	1
9835.20	10	10164.78	18974_3 – $29139°_3$	0.17	4.1e+4	D	0.09	1w, 7t
9847.80	1	10151.77	35299_4 – $45451°_5$	–0.06			0.09	1n
			28204_2 – $38355°_1$	0.13				1
9859.46	3	10139.76	19253_2 – $29393°_2$	–0.08			0.09	1
9874.07	8	10124.76	19648_6 – $29773°_5$	–0.04	3.0e+4	D	0.09	1w, 7t
9908.53	0	10089.55					0.09	1
9912.76	3	10085.24	19827_3 – $29912°_3$	0.07			0.09	1
9915.98	10	10081.97	18116_2 – $28198°_1$	–0.09	9.7e+4	D	0.09	1w, 7t
9928.10	5	10069.66	37414_3 – $47483°_3$	0.09			0.09	1n, 3
9944.44	6	10053.12					0.09	1
9963.75	0	10033.63	32217_3 – $42251°_3$	0.03			0.09	1n
9968.85	2	10028.50	37414_3 – $47442°_2$	0.08			0.09	1n, 3
9983.22	2	10014.06	23930_3 – $33944°_2$	0.08			0.09	1
10000.66	1	9996.60					0.12	1
10002.65	15	9994.61	19648_6 – $29643°_6$	0.09			0.12	1
10021.50	2	9975.81					0.12	1
10050.31	4	9947.22	19826_5 – $29773°_5$	–0.08	1.0e+4	E	0.12	1w, 7t
10079.52	1	9918.39	18280_2 – $28198°_1$	–0.03			0.12	1
10101.67	1	9896.64					0.12	1
10103.91	2	9894.44					0.12	1
10115.52	3	9883.09	19256_4 – $29139°_3$	0.21			0.12	1

TABLE 3. Observed lines of W I—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	Acc.[4]	λ_{unc} (Å)[5]	Ref.[6]
10126.93	2	9871.96	$38206°_3 - 48078_2$	0.02			0.12	1
10140.54	1	9858.71	$28347_3 - 38206°_3$	–0.07			0.12	1
10217.38	0	9784.56	$36673°_2 - 46458_1$	–0.04			0.12	1
10241.63	4	9761.40	$22476_4 - 32238°_3$	0.06			0.12	1
10306.04	0	9700.39	$20983_2 - 30683°_1$	–0.13			0.12	1
10347.27	3	9661.74	$18116_2 - 27778°_1$	0.08	5.7e+4	E	0.12	1w, 7t
10409.77	2	9603.73	$20983_2 - 30586°_3$	0.11			0.12	1
10450.97	1	9565.87	$19827_3 - 29393°_2$	0.15			0.12	1
10477.97	0	9541.22	$19256_4 - 28797°_4$	0.22			0.12	1

[1] Observed wavelength in air is given in the first column. The observed vacuum wave number in the third column is cited as is from Table 3 of Ref. 1.

[2] Observed relative intensities are cited from Ref. 1. The following codes are used to denote the line character:
- *bl* – blended with another line,
- *c* – a complex of two or more unresolved lines,
- *w* – wide line (diffuse, hazy, etc.),
- *r* – easily reversed,
- *s* – shaded on the short-wavelength side,
- *l* – shaded on the long-wavelength side,
- *?* – it is uncertain whether this is a real line or a "ghost".

[3] The upper and lower levels are denoted by the integer part of energy and the J value given in the subscript. The odd-parity levels are denoted by the small "°" symbol.

[4] The codes for the accuracy of transition probability are as follows:
- A – 3% or less,
- B – 10% or less,
- C – 25% or less,
- D – 50% or less,
- E – uncertainty is greater than 50%.

[5] The given values of the observed-wavelength uncertainty are derived from RMS deviations of observed wave numbers from the Ritz values using sliding 400 Å intervals. They do not take into account the various line characters (blended, wide, etc.).

[6] The letters after the reference number denote the following:
- w – observed wavelength was taken from this paper,
- t – transition probability was taken from this paper,
- n – new classification is given, based on the analysis done for this compilation.

2. W II

Ground state
$1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4p^6 4d^{10} 4f^{14} 5s^2 5p^6 5d^4 6s^2\ {}^6D_{1/2}$
Ionization energy $132\,000 \pm 1200\ \mathrm{cm}^{-1}$ (16.35 ± 0.15 eV)

An extended analysis of the W II spectrum in the wavelength region 1850–5800 Å was done by Ekberg *et al.*[1] in 2000. They published a list of approximately 2500 precisely measured W II lines they observed in emission of a Penning discharge by means of Fourier transform spectroscopy (FTS). Besides the Penning discharge, Ekberg *et al.*[1] also observed the W II spectrum emitted by a hollow-cathode discharge. However, due to the lower intensity of the W II lines in the hollow cathode spectra, these observations were used only as a means to separate the ionization stages and were not used in the determination of the energy levels. Below, whenever we refer to the FTS measurements of Ekberg *et al.*,[1] we mean the Penning discharge observations, unless otherwise stated. The analysis made in Ekberg *et al.*[1] was based on the previous work of Laun[2] and theoretical interpretation made by Wyart[3] and Wyart and Blaise.[4] Ekberg *et al.*[1] also gave identifications of several hundreds of lines observed by Cabeza *et al.*[5] in emission of a low-voltage sliding spark. These new identifications are in the wavelength region 1520–2660 Å. Both even and odd parity level systems were analyzed in Ekberg *et al.*[1] by means of Cowan's codes[6] and were derived entirely from the FTS lines. We have reproduced the Cowan-code calculations made in Ekberg *et al.*[1] and used them to derive the spectroscopic descriptions of the levels. The complete lists of known even and odd levels of W II are presented in Tables 4 and 5. In these tables, we use the additional sequential index produced by Cowan's codes[6] to distinguish between the repeating terms of the d^n parent configurations (see discussion for W I). All known even levels (Table 4) belong to the strongly mixed $5d^4 6s$, $5d^3 6s^2$, and $5d^5$ configurations. Similarly, the odd levels in Table 5 belong to the strongly mixed $5d^4 6p$ and $5d^3 6s 6p$ configurations. Interaction with the $5d^2 6s^2 6p$ configuration is significant but not as strong as interaction between the $5d^4 6p$ and $5d^3 6s 6p$ configurations. Because of the very strong configuration interactions, only a few of the lower levels can be reasonably labeled as certain LS states. All energy levels were derived by Ekberg *et al.*[1] from the lines they measured by FTS. To produce the spectrum, Ekberg *et al.*[1] used samples made of natural tungsten that consists of a mixture of five isotopes with atomic weights 180, 182, 183, 184, and 186 having abundances 0.12%, 26.3%, 14.28%, 30.7%, and 28.6%, respectively.[7] Hence, the energies given in Tables 4 and 5 (cited from Ekberg *et al.*[1]) represent the average values over all isotopes present in natural tungsten. Our analysis based on consistency with the observed lines shows that the values of the level energies in Tables 4 and 5 have uncertainties varying from 0.001 cm^{-1} for the lowest 22 even and 30 odd levels to 0.01 cm^{-1} for the highest levels, confirming the uncertainty values given in Ekberg *et al.*[1] The average uncertainty of the energies is 0.003 cm^{-1}. The isotopic shifts between the most abundant isotopes, ^{184}W and ^{186}W, can be greater than 0.1 cm^{-1} (see Aufmuth *et al.*[8]). This should be taken into account when dealing with samples having isotopic composition that differs from natural tungsten.

The experimental Lande g values given in Tables 4 and 5 are cited from Laun.[2] As noted by Ekberg *et al.*,[1] they are in excellent agreement with the g values calculated by means of Cowan's codes,[6] except for the odd-parity level at 54 704.585 cm^{-1} with $J=5/2$. For this level, the experimental g factor is 0.623, while the calculated value is 1.24.[1] Since this level is involved in 19 combinations, it is probably real. The theoretical interpretation[1,4] is also well justified. Wyart and Blaise[4] suggested that the experimental g factor value is in error for this level.

The list of classified lines of W II presented in Table 6 includes the lines listed in Tables 1 and 4 of Ekberg *et al.*[1] In this list, following the designations used in Ekberg *et al.*,[1] we label the levels using the integer part of their energy and the J values. The lines taken from Table 1 of Ekberg *et al.*[1] were measured by Ekberg *et al.*[1] using FTS. Their uncertainties given in Table 6 herein were derived from the signal-to-noise ratios and linewidths given in Ekberg *et al.*[1] This derivation was based on the general formula of the statistical uncertainty of the central wave number of a well resolved symmetrical line,[9] $\delta\sigma \approx kW/(N_w^{1/2}\mathrm{S/N})$, where W is the full linewidth at half maximum in the same units as the wave number, N_w is the number of statistically independent measurement points within W, S/N is the signal-to-noise ratio at line maximum, and k is a scaling factor depending on the line shape and the line-finding algorithm. It should be noted that the usage of this formula in Ekberg *et al.*[1] is somewhat obscured. Equation (1) in Ekberg *et al.*[1] treats the quantity N_w as the number of statistically independent measurement points per line profile rather than per linewidth.[9] The number of points per line profile is typically twice as large as the number of points per linewidth at half maximum. However, this difference is almost exactly offset by the omission of the scaling factor k, the typical value of which is about 0.75.[9] Thus, the estimate of uncertainty of weak lines of 0.05 cm^{-1} for the Penning discharge spectrograms[1] appears to be correct. From the linewidths given in Table 1 of Ekberg *et al.*[1] it can be seen that the typical linewidth was $\delta\sigma/\sigma = 5.7 \times 10^{-6}$. Assuming that this value represents the Doppler broadening, we conclude that the lines having relative widths larger than 5.7×10^{-6} might have been blends of two or more unresolved features. Some of the lines were considerably broader. In many cases this broadening was caused by unresolved isotopic structure. The isotopic structure was resolved only for a few lines of W II in the spectra of hollow cathode discharges.[8,10] The largest isotopic shifts were observed for the line at 3641.4075 Å ($8711_{3/2}^{\circ} - 36165_{1/2}$). For this line, the shift between the ^{184}W and ^{186}W isotopes amounts to 0.135 cm^{-1}.[8,10] For broad lines specified in Ekberg *et al.*[1] as blended or perturbed, we increased the value of uncertainty by $W - 5.7\times10^{-6}\ \sigma$ to account for the uncertainty caused by blending.

Apart from the lines identified in their FTS spectra, Ekberg *et al.*[1] identified several hundreds of W II lines in the

line list given in Cabeza *et al.*[5] These new identifications were given in Table 4 of Ekberg *et al.*[1] We have analyzed the measurement uncertainties of these lines by comparing the wavelengths of the lines observed both in Cabeza *et al.*[5] and Ekberg *et al.*[1] From this comparison, it is seen that the lines measured in Cabeza *et al.*[5] have a systematic shift of $+0.005$ Å relative to the lines measured in Ekberg *et al.*[1] The cause of this shift is not known. It might have been caused by the difference of the physical conditions in the emitting plasma (low-voltage sliding spark[5] versus Penning discharge[1]), as well as by possible calibration errors in Cabeza *et al.*[5] We have not removed this shift from the wavelengths measured in Cabeza *et al.*[5] Apart from this systematic shift, the wavelengths measured in Cabeza *et al.*[5] display a random scatter of 0.013 Å relative to wavelengths of the same lines precisely measured in Ekberg *et al.*[1] In Table 6, we give the value of this random error as the uncertainty of the wavelengths cited from Cabeza *et al.*[5] These lines were not included in the level optimization procedure in Ekberg *et al.*[1] That is, the energy levels were derived only from the lines measured by FTS.

The identification of the lines cited from Cabeza *et al.*[5] was made by Ekberg *et al.*[1] based on the match between the observed wavelengths and the wavelengths calculated from the differences between the upper and lower energy levels. The assignments were made when the difference between the observed and calculated wavelength was less than 0.040 Å and the calculated transition probability of the combination exceeded 10^5 s^{-1}. We omitted 66 of these lines because they were actually observed in the FTS spectrum (Table 1 of Ekberg *et al.*[1]) with only slightly different wavelength and were already assigned to combinations having much larger calculated transition probabilities. The last line in Table 4 of Ekberg *et al.*[1] (2656.378 Å) was incorrectly assigned to the $24\,804_{7/2}-62\,437^{\circ}_{9/2}$ transition. The calculated (Ritz) wave number of this transition is $37\,632.474$ cm^{-1}. This wave number contradicts the Ritz air wavelength 2656.374 Å given for the same line in Ekberg *et al.*[1] For this wave number, the Ritz air wavelength should be 2656.489 Å. There is no line close to this wavelength in the list of Cabeza *et al.*[5] We have reclassified the line at 2656.378 Å as the $23\,955_{11/2}-61\,589^{\circ}_{11/2}$ transition. According to our calculations with Cowan's codes (reproducing the parametric fitting done in Ekberg *et al.*[1]), the calculated gA value for this transition is 1.87×10^7 s^{-1}, which is greater than the gA value of the $24\,804_{7/2}-62\,437^{\circ}_{9/2}$ transition given in Ekberg *et al.*[1] by a factor of 20.

The line at 2230.634 Å quoted in Table 4 of Ekberg *et al.*[1] from Cabeza *et al.*[5] is a misprint, since there is no such line in Cabeza *et al.*[5] Apparently, the line that Ekberg *et al.*[1] is referring to is the one at 2229.634 Å given in Cabeza *et al.*[5] This line was measured by Ekberg *et al.*[1] at 2229.6288 Å. Therefore, we have dropped the 2230.634 Å line.

Based on the same criteria as those used by Ekberg *et al.*,[1] we added a second classification to the line at 2599.180 Å,[5] the $22\,194_{7/2}-60\,656^{\circ}_{5/2}$ transition with the calculated gA value 5.50×10^6 s^{-1} and Ritz wavelength 2599.158 Å. Blending with this transition explains the rather large deviation of the observed wavelength of this line from the Ritz wavelength of the originally assigned $24\,804_{7/2}-63\,266^{\circ}_{7/2}$ transition (2599.202 Å).

In Table 6, there are 22 lines cited from Cabeza *et al.*[5] that have large deviations of observed wavelength from the Ritz wavelength. We have noted these lines as questionable.

The relative intensities of the lines given by Ekberg *et al.*[1] represent the measured signal-to-noise ratio. They are not corrected for wavelength dependence of the apparatus response. By comparing the lines observed both by Ekberg *et al.*[1] and Cabeza *et al.*,[5] we found that the intensity scale used in Cabeza *et al.*,[5] consisting of integer values 0, 1, 3, 5, 8, 10, 20, 50, 100, and 200, roughly corresponds to intensities 3, 5, 7, 9, 11, 15, 25, 50, 150, and 250 on the scale of Ekberg *et al.*[1] This correspondence can be approximated by the linear dependence $I_1 = 3 + 1.2\,I_5$, where I_1 is intensity on the scale of Ekberg *et al.*[1] and I_5 is intensity on the scale of Cabeza *et al.*[5] In Table 3, we have converted all intensities to the uniform scale of Ekberg *et al.*[1]

According to our analysis, the Ritz wave numbers given in Table 6 are, on average, more accurate than the observed wavelengths by a factor of 3 (not counting the lines from Cabeza *et al.*[5]). However, it should be taken into account that the calculated wavelengths, as well as the observed ones, represent centers of gravity of unresolved lines belonging to the five tungsten isotopes present in natural tungsten. The hyperfine structure (existing only for the odd isotope ^{183}W) is also unresolved. The observed central wavelengths and asymmetry of the line profiles may be different if the isotopic composition is different from natural tungsten.

The Zeeman effect was observed and studied for some lines by Laun.[2] It was used as a means to identify the upper and lower energy levels.

It should be noted that the air wavelengths of the FTS-measured lines cited from Ekberg *et al.*,[1] as well as all Ritz air wavelengths in Table 6, were calculated from the observed and Ritz wave numbers, respectively, using the five-parameter formula of Peck and Reeder.[11] The uncertainties of the observed and Ritz air wavelengths do not include possible uncertainties of this conversion formula.

Transition probabilities (A values) given in Table 6 are all cited from Kling *et al.*[10] They were measured using the branching ratios derived from the same Fourier transform spectrograms as those on which Ekberg *et al.*[1] made their analysis. To convert the measured branching ratios to the absolute transition probabilities, Kling *et al.*[10] used the lifetimes precisely measured by Schnabel *et al.*[12] According to Kling *et al.*,[10] the overall measurement uncertainty of these A values is typically 7%–9%, but can be as large as 50%. In Kling *et al.*,[10] along with the measured A values, there are some lines for which only the calculated A value is given, either because the line was not observed or it had a very low signal-to-noise ratio. We did not include these calculated A values in Table 6. It should be noted that the calculated gA values are given in Ekberg *et al.*[1] for all identified transitions. As it was mentioned above, we reproduced the Cowan-

code calculations of Ekberg *et al.*[1] using their fitted parameter values. From these calculations, it follows that most of these calculated *gA* values are expected to be correct to only 1 order of magnitude, because of large cancellations in forming the transition integrals.[6] As a consequence of the small values of the cancellation factor (0.07 on average), the accuracy of the calculated branching ratios is much lower than the accuracy of the calculated radiative lifetimes. With empirical scaling of the radial dipole moments applied in Ekberg *et al.*,[1] the calculated lifetimes agree with the measured lifetimes of 21 levels[12,13] within 25%.

The line list presented in Table 6 is not complete. Apart from the lines classified in Ekberg *et al.*,[1] there exist a large number of weak lines that were assigned to W II by Laun.[2] In particular, half of the lines for which Kling *et al.*[10] listed only a calculated *gA* value and Ekberg *et al.*[1] did not give an observed wavelength are present in the line list of Laun.[2] Also, Ekberg *et al.*[1] mentioned that there remain about 400 unidentified lines with signal-to-noise ratios 5 or higher in their FTS wavelength list.

The ionization potential (IP) of W II was experimentally determined by Montague and Harrison[14] by measuring the absolute ionization cross section of W II with crossed ion and electron beams. They obtained the value 16.1 ± 1.0 eV ($130\,000 \pm 8000$ cm^{-1}). In order to determine a more accurate value of the IP, we applied the semiempirical technique developed by Reader (see Churilov *et al.*[15]). This technique consists of finding a suitable empirical scaling factor for the binding energies calculated by means of Cowan's Hartree–Fock code.[6] The essence of it is that the IP can be represented as a combination of the binding energy of an outer electron and the average energies of the ground configurations of the two successive ionization stages. The average energies can be empirically corrected by making a least-squares fitting of the known energy levels, while the binding energy remains the main source of the uncertainty in the calculated IP. If a suitable correction factor is found for the binding energy, then the IP can be calculated with a much greater accuracy than is possible with an *ab initio* Hartree–Fock calculation. To find the scaling factors for the binding energies of the $6s$ and $6p$ electrons outside the $5d^4$ shell of W II, we compared the experimental and calculated $6s$ and $6p$ binding energies for a similar ion, Hg II, having the $5d^{10}$ core. Applying the same approximation (relativistic corrections including the Breit energy) to the Hg II and III spectra, we obtained the calculated binding energies 143 970 and 89 641 cm^{-1} for the $5d^{10}6s$ and $5d^{10}6p$ configurations, correspondingly. Using the measured value of the Hg II ionization potential, $151\,284.4 \pm 0.3$ cm^{-1}, the fitted values of the average energies of Hg II $5d^{10}6s$ and $5d^{10}6p$ configurations, 898 ± 370 and $59\,324 \pm 439$ cm^{-1} (see Sansonetti and Reader[16]), and the fitted value of the average energy of the Hg III $5d^{10}$ configuration, 2618 ± 842 cm^{-1} [found by making the least-squares fitting of the even configurations of Hg III based on the known levels from the atomic energy level (AEL) compilation[17]], we found the experimental binding energies $153\,004 \pm 920$ and $94\,578 \pm 950$ cm^{-1} for the Hg II $5d^{10}6s$ and $5d^{10}6p$ configurations, respectively. Thus, the *ab initio* calculated binding energies are too low by the factors of 1.063 ± 0.006 and 1.055 ± 0.011 for the $6s$ and $6p$ electrons of Hg II, respectively. Applying the same correction factors to the calculated binding energies of the W II $5d^46s$ and $5d^46p$ configurations (119 299 and 79 726 cm^{-1}, correspondingly), we obtain the scaled binding energies $126\,785 \pm 760$ and $84\,117 \pm 850$ cm^{-1} for the $6s$ and $6p$ electrons, respectively, of W II. Adding the fitted W II $5d^46s$ and $5d^46p$ average energies ($27\,543 \pm 38$ and $69\,948 \pm 98$ cm^{-1}) to the corresponding scaled binding energies and subtracting the fitted average energy of the W III ground configuration $5d^4$ ($22\,339 \pm 140$ cm^{-1}, see Iglesias *et al.*[18]), we arrive at two very close values of the W II ionization potential: $131\,990 \pm 800$ and $131\,730 \pm 850$ cm^{-1}. In addition to the uncertainties resulting from the accuracy of the fitted average energies, the accuracy of the described method is further limited by the degree of similarity between the different cores of W II and Hg II. The error resulting from the differences of these cores might affect the scaling factors applied to the binding energy. Based on comparisons with scaling factors found in similar calculations with other (less similar) cores, such as the W III $5d^46s$, we assume that this additional error in the scaling factors should not be larger than ± 0.01. As a result, our adopted value of the W II IP is $132\,000 \pm 1200$ cm^{-1}.

Acknowledgments

The contribution of Dr. H. Kubo of the Japan Atomic Energy Agency, who assisted with transfer of data files prepared by Dr. T. Shirai, is gratefully acknowledged. This work was partly supported by the National Aeronautics and Space Administration and by the Office of Fusion Energy Sciences of the U. S. Department of Energy.

2.1. References for W II

[1] J. O. Ekberg, R. Kling, and W. Mende, Phys. Scr. **61**, 146 (2000).
[2] D. D. Laun, J. Res. Nat. Bur. Stand. Sect. A **68**, 207 (1964).
[3] J.-F. Wyart, Opt. Pura Apl. **10**, 177 (1977).
[4] J.-F. Wyart and J. Blaise, Phys. Scr. **42**, 209 (1990).
[5] M. I. Cabeza, L. Iglesias, and F. R. Rico, Opt. Pura Apl. **18**, 1 (1985).
[6] R. D. Cowan, *The Theory of Atomic Structure and Spectra* (University of California Press, Berkeley, CA, 1981).
[7] J. E. Sansonetti, W. C. Martin, and S. L. Young (2003), *Handbook of Basic Atomic Spectroscopic Data* (version 1.00). (Online) Available at: http://physics.nist.gov/Handbook (March 5, 2004). (National Institute of Standards and Technology, Gaithersburg, MD).
[8] P. Aufmuth, E.-G. Kopp, and H. Spiewak, J. Phys. B **28**, 3687 (1995).
[9] J. W. Brault, Mikrochim. Acta (Wien) 1987 **III**, 215 (1988).
[10] R. Kling, J. O. Ekberg, and M. Kock, J. Quant. Spectrosc. Radiat. Transfer **67**, 227 (2000).
[11] E. R. Peck and K. Reeder, J. Opt. Soc. Am. **62**, 958 (1972).
[12] R. Schnabel, M. Schultz-Johanning, and M. Kock, Eur. Phys. J. D **4**, 267 (1998).
[13] M. Henderson, R. E. Irving, R. Matulioniene, L. J. Curtis, and D. G. Ellis, Astrophys. J. **520**, 805 (1999).
[14] R. G. Montague and M. F. A. Harrison, J. Phys. B **17**, 2707 (1984).
[15] S. S. Churilov, Y. N. Joshi, J. Reader, and R. R. Kildiyarova, Phys. Scr. **70**, 126 (2004).
[16] C. J. Sansonetti and J. Reader, Phys. Scr. **63**, 219 (2001).
[17] C. E. Moore, Circ. Natl. Bur. Stand. **467**, Vol. III (1958).
[18] L. Iglesias, M. I. Cabeza, F. R. Rico, O. Garcia-Riquelme, and V. Kaufman, J. Res. Natl. Inst. Stand. Technol. **94**, 221 (1989).

TABLE 4. Even levels of W II

Configuration	Term	J	Level (cm^{-1})	Lande g		Leading percentage			2nd percentage	
$5d^4(^5D)6s$	^6D	1/2	0.000	3.186	80	$5d^4(^5D)6s$	^6D	8	$5d^4(^3P2)6s$	^4P
		3/2	1518.829	1.839	90	$5d^4(^5D)6s$	^6D	4	$5d^4(^3P1)6s$	^4P
		5/2	3172.473	1.639	95	$5d^4(^5D)6s$	^6D	1	$5d^4(^3P1)6s$	^4P
		7/2	4716.278	1.563	94	$5d^4(^5D)6s$	^6D	2	$5d^4(^3F2)6s$	^4F
		9/2	6147.085	1.522	88	$5d^4(^5D)6s$	^6D	7	$5d^4(^3F2)6s$	^4F
$5d^5$	^6S	5/2	7420.261	1.913	81	$5d^5$	^6S	11		^4P
$5d^36s^2$	^4F	3/2	8711.274	0.624	54	$5d^36s^2$	^4F	12	$5d^4(^3F2)6s$	^4F
		5/2	11301.024	1.084	55	$5d^36s^2$	^4F	19	$5d^4(^3F2)6s$	^4F
		7/2	13411.939	1.186	40	$5d^36s^2$	^4F	26	$5d^4(^3F2)6s$	^4F
		1/2	8832.728	2.383	30	$5d^4(^3P2)6s$	^4P	16	$5d^4(^5D)6s$	^6D
		3/2	10592.485	1.471	29	$5d^4(^3P2)6s$	^4P	17	$5d^36s^2$	^4P
$5d^4(^5D)6s$	^4D	1/2	13173.337	0.455	62	$5d^4(^5D)6s$	^4D	10	$5d^5$	^4D
		3/2	14634.336	1.183	55	$5d^4(^5D)6s$	^4D	15	$5d^5$	^4D
		5/2	13434.070	1.526	25	$5d^4(^3P2)6s$	^4P	15	$5d^36s^2$	^4P
		9/2	14857.160	1.234	24	$5d^4(^3F2)6s$	^4F	22	$5d^36s^2$	^4F
		5/2	14967.745	1.013	25	$5d^4(^5D)6s$	^4D	18	$5d^4(^3G)6s$	^4G
$5d^4(^3H)6s$	^4H	7/2	15146.977	0.872	46	$5d^4(^3H)6s$	^4H	12	$5d^36s^2$	^4F
		9/2	16553.087	1.137	39	$5d^4(^3H)6s$	^4H	20	$5d^36s^2$	^4F
		11/2	17436.932	1.181	53	$5d^4(^3H)6s$	^4H	32	$5d^4(^3G)6s$	^4G
		13/2	19442.466		90	$5d^4(^3H)6s$	^4H	10	$5d^4(^1I)6s$	^2I
		5/2	16234.715	0.995	28	$5d^4(^3G)6s$	^4G	18	$5d^5$	^4G
		7/2	16589.603	1.153	22	$5d^4(^5D)6s$	^4D	19	$5d^4(^3G)6s$	^4G
		7/2	18000.627	1.098	20	$5d^4(^3G)6s$	^4G	19	$5d^4(^3H)6s$	^4H
		3/2	18990.929	0.90	19	$5d^36s^2$	$^2D2$	11	$5d^4(^3D)6s$	^2D
		9/2	19070.550	1.102	26	$5d^4(^3G)6s$	^4G	24	$5d^5$	^4G
		5/2	19276.431	0.997	19	$5d^4(^3F2)6s$	^2F	12	$5d^4(^3D)6s$	^4D
		1/2	19403.991	0.64	21	$5d^4(^3D)6s$	^4D	21	$5d^4(^3P2)6s$	^2P
		5/2	19637.309	1.102	12	$5d^4(^3D)6s$	^2D	11	$5d^36s^2$	^4F
		7/2	20039.682	1.107	20	$5d^4(^3D)6s$	^4D	17	$5d^4(^3H)6s$	^4H
$5d^4(^3F2)6s$	^4F	3/2	20455.888	0.51	38	$5d^4(^3F2)6s$	^4F	21	$5d^36s^2$	^4F
		5/2	22139.861	1.06	38	$5d^4(^3F2)6s$	^4F	18	$5d^4(^3F1)6s$	^4F
		11/2	20534.191	1.197	39	$5d^4(^3H)6s$	^4H	39	$5d^5$	^4G
		9/2	20780.358	1.065	32	$5d^4(^3H)6s$	^4H	14	$5d^36s^2$	^2G
		7/2	22194.031	1.119	33	$5d^36s^2$	^2G	21	$5d^4(^3D)6s$	^4D
$5d^4(^3D)6s$	^4D	3/2	22502.951	1.22	41	$5d^4(^3D)6s$	^4D	18	$5d^5$	^4D
		5/2	23450.418	1.297	41	$5d^4(^3D)6s$	^4D	26	$5d^4(^5D)6s$	^4D
		1/2	25045.238	0.32	41	$5d^4(^3D)6s$	^4D	20	$5d^4(^5D)6s$	^4D
		1/2	22535.610	2.2	29	$5d^36s^2$	^4P	19	$5d^4(^3P1)6s$	^4P
		7/2	23046.724	0.86	21	$5d^4(^3G)6s$	^2G	17	$5d^36s^2$	^4F
		9/2	23234.778	1.249	28	$5d^4(^3G)6s$	^2G	28	$5d^4(^3H)6s$	^2H
		7/2	23803.702		19	$5d^5$	^4G	17	$5d^5$	$^2F1$
		11/2	23955.349	1.10	39	$5d^4(^3H)6s$	^2H	18	$5d^36s^2$	^2H
		7/2	24804.612	1.10	13	$5d^4(^3F2)6s$	^2F	11	$5d^4(^3D)6s$	^4D
		3/2	24991.591	0.9	20	$5d^5$	$^2D3$	18	$5d^4(^3D)6s$	^2D
		3/2	25169.877	1.64	30	$5d^4(^3P1)6s$	^4P	24	$5d^5$	^4P
		9/2	25209.233		27	$5d^36s^2$	^4F	25	$5d^36s^2$	^2H
		5/2	25672.099	0.9	23	$5d^5$	^4G	14	$5d^4(^3G)6s$	^4G
$5d^5$	^4G	9/2	26158.581		49	$5d^5$	^4G	21	$5d^4(^3G)6s$	^4G
		5/2	26226.897	1.04	28	$5d^5$	^4G	13	$5d^5$	^4P
$5d^5$	^4P	1/2	26526.710		39	$5d^5$	^4P	19		^2S

TABLE 4. Even levels of W II—Continued

Configuration	Term	J	Level (cm^{-1})	Lande g	Leading percentage			2nd percentage		
$5d^4(^1I)6s$	^2I	11/2	26929.008		50	$5d^4(^1I)6s$	^2I	21	$5d^5$	^2I
		13/2	28187.578		75	$5d^4(^1I)6s$	^2I	16	$5d^5$	^2I
		7/2	27273.753		31	$5d^5$	^4G	23	$5d^4(^3G)6s$	^4G
$5d^4(^3P1)6s$	^4P	5/2	28118.836		40	$5d^4(^3P1)6s$	^4P	10	$5d^36s^2$	^4P
		11/2	28377.585		37	$5d^5$	^4G	31	$5d^4(^3G)6s$	^4G
		3/2	28490.920		19	$5d^4(^1D2)6s$	^2D	19	$5d^36s^2$	^2P
		7/2	28631.688		15	$5d^5$	^4D	14	$5d^4(^3F2)6s$	^2F
		9/2	29341.426		22	$5d^4(^3F2)6s$	^4F	21	$5d^5$	$^2G2$
		3/2	30223.744		20	$5d^36s^2$	^4P	16	$5d^5$	^4P
		5/2	30618.045		20	$5d^4(^1F)6s$	^2F	18	$5d^4(^3F2)6s$	^2F
		9/2	30632.927		27	$5d^4(^3H)6s$	^2H	17	$5d^36s^2$	^2H
$5d^5$	^2I	11/2	31100.286		56	$5d^5$	^2I	26	$5d^4(^1I)6s$	^2I
		13/2	31347.087		84	$5d^5$	^2I	15	$5d^4(^1I)6s$	^2I
		7/2	31446.928		29	$5d^5$	^4F	15	$5d^5$	^4D
		5/2	31538.785		20	$5d^5$	^4D	14	$5d^5$	^4F
		3/2	32486.525		29	$5d^5$	^4D	16	$5d^4(^3D)6s$	^4D
		3/2	32950.226		21	$5d^4(^3F1)6s$	^4F	18	$5d^5$	^4F
		7/2	32950.460		21	$5d^4(^1G1)6s$	^2G	16	$5d^4(^3G)6s$	^2G
		11/2	33910.548		44	$5d^4(^3H)6s$	^2H	40	$5d^36s^2$	^2H
$5d^5$	^4F	9/2	34090.867		38	$5d^5$	^4F	12	$5d^4(^3H)6s$	^2H
		5/2	34447.663		15	$5d^5$	^4F	15	$5d^5$	^4D
		7/2	35315.585		32	$5d^4(^1F)6s$	^2F	17	$5d^4(^3F2)6s$	^2F
		9/2	35826.644		24	$5d^4(^3F1)6s$	^4F	16	$5d^5$	^2H
		5/2	35925.336		31	$5d^5$	^4F	18	$5d^4(^3D)6s$	^2D
		7/2	37312.218		20	$5d^5$	^4F	14	$5d^4(^3F1)6s$	^4F
		9/2	41583.988		22	$5d^5$	$^2G2$	20	$5d^4(^3G)6s$	^2G

TABLE 5. Odd levels of W II

Configuration	Term	J	Level (cm^{-1})	Lande g		Leading percentage			2nd percentage	
		1/2	36165.356	0.678	17	$5d^4(^5D)6p$	$^6F°$	10	$5d^4(^3P1)6p$	$^4D°$
$5d^3(^4F)6s(^5F)6p$	$^6G°$	3/2	37971.528		79	$5d^3(^4F)6s(^5F)6p$	$^6G°$	5		$^4F°$
		5/2	39936.842	0.889	82	$5d^3(^4F)6s(^5F)6p$	$^6G°$	5		$^4F°$
		7/2	42390.287	1.161	73	$5d^3(^4F)6s(^5F)6p$	$^6G°$	4	$5d^4(^5D)6p$	$^6F°$
		9/2	46493.356	1.311	53	$5d^3(^4F)6s(^5F)6p$	$^6G°$	8	$5d^4(^5D)6p$	$^4F°$
		11/2	48332.758		50	$5d^3(^4F)6s(^5F)6p$	$^6G°$	12		$^6F°$
		13/2	53641.254		87	$5d^3(^4F)6s(^5F)6p$	$^6G°$	11	$5d^3(^2G)6s(^3G)6p$	$^4H°$
		1/2	38576.313	1.614	21	$5d^4(^5D)6p$	$^4P°$	17	$5d^4(^5D)6p$	$^6F°$
		3/2	42298.223	1.498	23	$5d^4(^5D)6p$	$^6D°$	17	$5d^4(^5D)6p$	$^4P°$
		5/2	44354.784	1.390	22	$5d^4(^5D)6p$	$^6D°$	13	$5d^3(^4F)6s(^5F)6p$	$^6D°$
$5d^4(^5D)6p$	$^6F°$	3/2	39129.460	1.147	34	$5d^4(^5D)6p$	$^6F°$	12	$5d^3(^4F)6s(^5F)6p$	$^4D°$
		5/2	42049.478	1.292	45	$5d^4(^5D)6p$	$^6F°$	11	$5d^3(^4F)6s(^5F)6p$	$^6F°$
		7/2	44877.209	1.277	44	$5d^4(^5D)6p$	$^6F°$	15	$5d^3(^4F)6s(^5F)6p$	$^6G°$
		1/2	45457.066	0.519	32	$5d^4(^5D)6p$	$^6F°$	10	$5d^3(^4F)6s(^5F)6p$	$^6F°$
		9/2	50863.106	1.194	31	$5d^4(^5D)6p$	$^6F°$	9	$5d^4(^3G)6p$	$^4H°$
		11/2	54229.082		35	$5d^4(^5D)6p$	$^6F°$	17	$5d^3(^4F)6s(^5F)6p$	$^6F°$
$5d^3(^4F)6s(^5F)6p$	$^6F°$	1/2	44455.212	−0.217	43	$5d^3(^4F)6s(^5F)6p$	$^6F°$	24	$5d^4(^5D)6p$	$^6F°$
		7/2	51045.292		35	$5d^3(^4F)6s(^5F)6p$	$^6F°$	19	$5d^4(^5D)6p$	$^6D°$
		9/2	44758.095	1.270	29	$5d^3(^4F)6s(^5F)6p$	$^6G°$	12	$5d^4(^5D)6p$	$^6F°$
		3/2	44911.659	1.221	25	$5d^3(^4F)6s(^5F)6p$	$^6F°$	17	$5d^4(^5D)6p$	$^4P°$
		3/2	45553.652	1.033	31	$5d^4(^5D)6p$	$^6F°$	5	$5d^3(^2P)6s(^3P)6p$	$^4D°$
		7/2	46175.395	1.452	17	$5d^3(^4F)6s(^5F)6p$	$^6D°$	15	$5d^4(^5D)6p$	$^6D°$
		5/2	46355.404	1.236	22	$5d^4(^5D)6p$	$^6F°$	10	$5d^4(^5D)6p$	$^4P°$
		1/2	46625.281	1.70	23	$5d^4(^5D)6p$	$^6D°$	20	$5d^3(^4F)6s(^5F)6p$	$^6D°$
		3/2	47179.941	1.007	29	$5d^3(^4F)6s(^5F)6p$	$^6F°$	13	$5d^4(^5D)6p$	$^4F°$
		5/2	47413.270	1.111	16	$5d^4(^5D)6p$	$^6P°$	10	$5d^4(^5D)6p$	$^4P°$
$5d^4(^5D)6p$	$^6P°$	3/2	47588.647	2.00	46	$5d^4(^5D)6p$	$^6P°$	9	$5d^3(^4P)6s(^5P)6p$	$^6P°$
		5/2	48284.498	1.366	21	$5d^3(^4F)6s(^5F)6p$	$^6F°$	10	$5d^4(^5D)6p$	$^6P°$
		7/2	48830.701	1.008	20	$5d^4(^5D)6p$	$^6F°$	14	$5d^4(^5D)6p$	$^6P°$
$5d^3(^4F)6s(^5F)6p$	$^6D°$	3/2	48982.939	1.72	35	$5d^3(^4F)6s(^5F)6p$	$^6D°$	12	$5d^4(^5D)6p$	$^4P°$
		5/2	50292.354	1.334	32	$5d^3(^4F)6s(^5F)6p$	$^6D°$	13	$5d^4(^5D)6p$	$^4F°$
		7/2	49124.508	1.499	26	$5d^4(^5D)6p$	$^6P°$	12	$5d^3(^4F)6s(^5F)6p$	$^6F°$
		1/2	49154.484	2.78	22	$5d^3(^4F)6s(^5F)6p$	$^6D°$	19	$5d^3(^4P)6s(^5P)6p$	$^6D°$
		9/2	49181.034	1.409	25	$5d^4(^5D)6p$	$^6F°$	20	$5d^3(^4F)6s(^5F)6p$	$^6D°$
		5/2	49242.042	1.510	30	$5d^3(^4F)6s(^5F)6p$	$^6F°$	27	$5d^4(^5D)6p$	$^6P°$
		3/2	50430.999	0.93	14	$5d^4(^5D)6p$	$^4F°$	11	$5d^4(^5D)6p$	$^6D°$
		3/2	51254.429	1.58	17	$5d^4(^5D)6p$	$^6D°$	15	$5d^3(^4P)6s(^5P)6p$	$^6D°$
		5/2	51438.064	1.301	15	$5d^4(^5D)6p$	$^4F°$	14	$5d^4(^5D)6p$	$^4P°$
		11/2	51495.054	1.054	44	$5d^4(^5D)6p$	$^6F°$	32	$5d^3(^4F)6s(^5F)6p$	$^6G°$
		1/2	51536.621		22	$5d^4(^5D)6p$	$^6D°$	14	$5d^3(^4P)6s(^5P)6p$	$^6D°$
		7/2	51862.999	0.937	24	$5d^4(^3H)6p$	$^4H°$	17	$5d^4(^3H)6p$	$^2G°$
		5/2	52087.110		12	$5d^4(^5D)6p$	$^6D°$	11	$5d^3(^4F)6s(^5F)6p$	$^4D°$
		7/2	52275.291	1.297	17	$5d^3(^4F)6s(^5F)6p$	$^6D°$	13	$5d^4(^5D)6p$	$^4F°$
$5d^4(^5D)6p$	$^4D°$	1/2	52355.250	0.981	33	$5d^4(^5D)6p$	$^4D°$	10	$5d^4(^3P2)6p$	$^4D°$
		9/2	52567.276		26	$5d^3(^4F)6s(^5F)6p$	$^6F°$	15	$5d^3(^4F)6s(^5F)6p$	$^6D°$
		1/2	52593.766	1.56	19	$5d^3(^4P)6s(^5P)6p$	$^6D°$	16	$5d^3(^4F)6s(^5F)6p$	$^6D°$
		3/2	52803.012		12	$5d^4(^5D)6p$	$^4D°$	12	$5d^4(^5D)6p$	$^6P°$
		7/2	52901.794	1.374	16	$5d^3(^4F)6s(^5F)6p$	$^4D°$	9	$5d^3(^4F)6s(^5F)6p$	$^6D°$
		5/2	53113.533	1.262	19	$5d^4(^5D)6p$	$^6D°$	6	$5d^3(^4P)6s(^5P)6p$	$^6D°$
		3/2	53329.762	1.357	12	$5d^4(^5D)6p$	$^6D°$	9	$5d^4(^5D)6p$	$^4D°$
		7/2	53338.075	0.968	14	$5d^4(^3G)6p$	$^4H°$	12	$5d^3(^2G)6s(^3G)6p$	$^4H°$
		9/2	53370.011	1.086	14	$5d^4(^3H)6p$	$^4H°$	12	$5d^4(^3H)6p$	$^4I°$
		3/2	53423.050	0.976	18	$5d^3(^4F)6s(^5F)6p$	$^6D°$	7	$5d^3(^4P)6s(^5P)6p$	$^6D°$
		1/2	53440.213	2.038	29	$5d^4(^5D)6p$	$^4P°$	18	$5d^4(^5D)6p$	$^6D°$
		5/2	54026.309		12	$5d^4(^5D)6p$	$^4P°$	8	$5d^3(^4F)6s(^5F)6p$	$^4F°$

TABLE 5. Odd levels of W II—Continued

Configuration	Term	J	Level (cm^{-1})	Lande g		Leading percentage			2nd percentage	
		9/2	54056.594	1.123	21	$5d^3(^4F)6s(^5F)6p$	$^6F°$	14	$5d^3(^2G)6s(^3G)6p$	$^4H°$
		3/2	54137.225	1.608	13	$5d^3(^4P)6s(^5P)6p$	$^6P°$	12	$5d^3(^4P)6s(^5P)6p$	$^6D°$
		5/2	54375.859	1.51	15	$5d^3(^4F)6s(^5F)6p$	$^6D°$	10	$5d^3(^4P)6s(^5P)6p$	$^6D°$
		1/2	54485.701	1.46	11	$5d^3(^2P)6s(^3P)6p$	$^2S°$	6	$5d^4(^3P1)6p$	$^2S°$
		7/2	54498.608		17	$5d^4(^5D)6p$	$^6D°$	7	$5d^4(^5D)6p$	$^4D°$
		5/2	54704.585	0.623	10	$5d^4(^5D)6p$	$^6D°$	6	$5d^4(^5D)6p$	$^4F°$
		11/2	54958.573	1.141	26	$5d^4(^3H)6p$	$^4I°$	26	$5d^4(^3H)6p$	$^4H°$
		7/2	55022.932		22	$5d^4(^5D)6p$	$^6D°$	10	$5d^3(^4F)6s(^5F)6p$	$^6D°$
		5/2	55162.390	1.00	23	$5d^4(^5D)6p$	$^4D°$	8	$5d^3(^4F)6s(^3F)6p$	$^4D°$
		9/2	55392.446	1.061	15	$5d^4(^3H)6p$	$^4H°$	15	$5d^3(^4F)6s(^5F)6p$	$^6D°$
$5d^3(^4P)6s(^5P)6p$	$^6P°$	3/2	55488.134		45	$5d^3(^4P)6s(^5P)6p$	$^6P°$	5	$5d^4(^3P2)6p$	$^4P°$
		5/2	56544.508		31	$5d^3(^4P)6s(^5P)6p$	$^6P°$	12		$^6D°$
		3/2	56084.326	1.021	17	$5d^4(^5D)6p$	$^4F°$	10	$5d^4(^5D)6p$	$^4D°$
		11/2	56376.569		23	$5d^3(^4F)6s(^5F)6p$	$^6F°$	16	$5d^3(^2G)6s(^3G)6p$	$^4H°$
		9/2	56413.649		30	$5d^4(^5D)6p$	$^6D°$	16	$5d^4(^3H)6p$	$^4I°$
$5d^4(^3H)6p$	$^4H°$	13/2	56439.643		34	$5d^4(^3H)6p$	$^4H°$	17		$^4I°$
		7/2	56612.836	1.22	10	$5d^4(^5D)6p$	$^4D°$	9	$5d^3(^4F)6s(^3F)6p$	$^4D°$
		7/2	56768.602	1.147	12	$5d^3(^2H)6s(^3H)6p$	$^4H°$	10	$5d^3(^2G)6s(^3G)6p$	$^4H°$
		5/2	56874.983	0.815	8	$5d^3(^4F)6s(^5F)6p$	$^4G°$	7	$5d^4(^5D)6p$	$^4F°$
		3/2	56932.345	1.06	10	$5d^3(^4F)6s(^3F)6p$	$^4D°$	8	$5d^4(^5D)6p$	$^4D°$
		9/2	57089.482		15	$5d^3(^2G)6s(^1G)6p$	$^2H°$	11	$5d^3(^2H)6s(^3H)6p$	$^4I°$
		5/2	57252.138		12	$5d^3(^4F)6s(^5F)6p$	$^4F°$	9	$5d^4(^3H)6p$	$^4G°$
		7/2	57729.994	1.184	15	$5d^4(^5D)6p$	$^4F°$	7	$5d^4(^3G)6p$	$^4F°$
		5/2	57856.759	1.36	14	$5d^3(^4P)6s(^5P)6p$	$^6P°$	9	$5d^4(^3D)6p$	$^4D°$
		9/2	57986.939		15	$5d^4(^3G)6p$	$^4H°$	15	$5d^3(^2G)6s(^3G)6p$	$^4H°$
		3/2	58007.690	1.20	12	$5d^3(^4P)6s(^5P)6p$	$^6D°$	9	$5d^4(^3P2)6p$	$^2D°$
		1/2	58308.799		20	$5d^4(^5D)6p$	$^4D°$	13	$5d^3(^2P)6s(^3P)6p$	$^4D°$
		5/2	58337.096		10	$5d^3(^4P)6s(^5P)6p$	$^6D°$	8	$5d^3(^4F)6s(^3F)6p$	$^4G°$
		7/2	58537.630		18	$5d^3(^4P)6s(^5P)6p$	$^6P°$	16	$5d^3(^4P)6s(^5P)6p$	$^6D°$
		9/2	58687.965		21	$5d^3(^4F)6s(^5F)6p$	$^4F°$	17	$5d^4(^3G)6p$	$^4F°$
		7/2	58709.614		10	$5d^3(^4P)6s(^5P)6p$	$^6D°$	8	$5d^3(^4F)6s(^5F)6p$	$^4G°$
		3/2	58748.042	0.78	8	$5d^3(^2G)6s(^3G)6p$	$^4F°$	7	$5d^4(^3F2)6p$	$^4F°$
		11/2	58891.742	1.144	25	$5d^4(^3H)6p$	$^4I°$	18	$5d^4(^3H)6p$	$^4G°$
		7/2	59276.854	1.102	11	$5d^3(^4F)6s(^5F)6p$	$^4F°$	9	$5d^4(^3H)6p$	$^4G°$
		3/2	59370.490		19	$5d^3(^2D2)6s(^3D)6p$	$^4F°$	10	$5d^4(^3G)6p$	$^4F°$
		9/2	59399.339	1.179	26	$5d^4(^5D)6p$	$^4F°$	6	$5d^3(^4F)6s(^5F)6p$	$^6D°$
		5/2	59443.051		20	$5d^3(^4P)6s(^5P)6p$	$^6P°$	20	$5d^3(^4P)6s(^5P)6p$	$^6D°$
		3/2	59816.385		12	$5d^3(^4P)6s(^5P)6p$	$^4P°$	10	$5d^3(^4F)6s(^3F)6p$	$^2D°$
		7/2	59869.150	1.125	15	$5d^4(^3G)6p$	$^4G°$	12	$5d^3(^4F)6s(^3F)6p$	$^4G°$
		7/2	59933.692		9	$5d^4(^3G)6p$	$^2F°$	8	$5d^4(^3G)6p$	$^4F°$
		5/2	59992.379		5	$5d^4(^3G)6p$	$^4G°$	5	$5d^4(^5D)6p$	$^4D°$
		11/2	60219.015	1.130	16	$5d^4(^3H)6p$	$^2I°$	11	$5d^4(^3F2)6p$	$^4G°$
		7/2	60256.547		16	$5d^3(^4P)6s(^5P)6p$	$^6P°$	9	$5d^3(^4P)6s(^5P)6p$	$^6D°$
		9/2	60278.726		15	$5d^4(^3H)6p$	$^2G°$	9	$5d^4(^5D)6p$	$^4F°$
		7/2	60424.237		14	$5d^3(^4P)6s(^5P)6p$	$^6P°$	9	$5d^3(^2G)6s(^3G)6p$	$^4F°$
		5/2	60474.732		8	$5d^4(^3P2)6p$	$^2D°$	7	$5d^4(^3F2)6p$	$^4F°$
		5/2	60656.540		19	$5d^4(^3G)6p$	$^4F°$	7	$5d^3(^2G)6s(^3G)6p$	$^4F°$
		3/2	60665.356		11	$5d^4(^3G)6p$	$^4F°$	9	$5d^4(^3P2)6p$	$^4S°$
		5/2	60901.023	0.92	17	$5d^3(^2G)6s(^3G)6p$	$^4G°$	8	$5d^3(^2G)6s(^3G)6p$	$^4F°$
		9/2	61055.849		13	$5d^4(^3H)6p$	$^4G°$	12	$5d^3(^4F)6s(^5F)6p$	$^4G°$
		3/2	61117.662		15	$5d^3(^4F)6s(^3F)6p$	$^4F°$	14	$5d^4(^3G)6p$	$^4F°$
		11/2	61240.813	1.120	21	$5d^4(^3H)6p$	$^4H°$	17	$5d^4(^3H)6p$	$^4I°$
		7/2	61326.281		11	$5d^4(^3G)6p$	$^4H°$	9	$5d^4(^3H)6p$	$^4G°$
		9/2	61360.578		12	$5d^4(^3H)6p$	$^4G°$	10	$5d^4(^3G)6p$	$^4G°$
		7/2	61550.649		10	$5d^4(^3F2)6p$	$^4G°$	6	$5d^4(^3G)6p$	$^2G°$
		5/2	61566.854	1.07	11	$5d^3(^2G)6s(^3G)6p$	$^4G°$	6	$5d^4(^3F2)6p$	$^4F°$
		11/2	61589.457	1.149	15	$5d^4(^3H)6p$	$^4G°$	14	$5d^4(^3H)6p$	$^2I°$
		13/2	61602.268		30	$5d^4(^3G)6p$	$^4H°$	21	$5d^4(^3H)6p$	$^4I°$
		1/2	62131.107		23	$5d^3(^4P)6s(^3P)6p$	$^2P°$	14	$5d^4(^3P2)6p$	$^2P°$
		9/2	62330.855		17	$5d^3(^4P)6s(^5P)6p$	$^6D°$	11	$5d^4(^3F2)6p$	$^4G°$

TABLE 5. Odd levels of W II—Continued

Configuration	Term	J	Level (cm^{-1})	Lande g	Leading percentage			2nd percentage	
		5/2	62333.247	8	$5d^4(^3G)6p$	$^4G°$	7	$5d^3(^2D2)6s(^3D)6p$	$^4F°$
		9/2	62437.086	18	$5d^3(^2H)6s(^3H)6p$	$^4I°$	13	$5d^4(^3F2)6p$	$^4F°$
		3/2	62454.559	13	$5d^3(^2P)6s(^3P)6p$	$^4D°$	12	$5d^4(^3P2)6p$	$^4D°$
		7/2	62561.090	14	$5d^4(^3D)6p$	$^4D°$	9	$5d^3(^2D2)6s(^3D)6p$	$^4D°$
		13/2	62714.675	30	$5d^4(^3H)6p$	$^4H°$	18	$5d^4(^1I)6p$	$^2K°$
$5d^3(^4P)6s(^5P)6p$	$^6D°$	9/2	62716.159	63	$5d^3(^4P)6s(^5P)6p$	$^6D°$	7	$5d^3(^4F)6s(^5F)6p$	$^6D°$
		3/2	62724.690	10	$5d^3(^4P)6s(^3P)6p$	$^2P°$	8	$5d^4(^3P2)6p$	$^2P°$
		11/2	62966.514	12	$5d^4(^3H)6p$	$^2I°$	11	$5d^4(^1I)6p$	$^2I°$
		5/2	62989.639	13	$5d^4(^3F2)6p$	$^4G°$	6	$5d^4(^3D)6p$	$^4D°$
		13/2	63087.934	29	$5d^4(^3H)6p$	$^4I°$	21	$5d^3(^2H)6s(^3H)6p$	$^4I°$
		3/2	63134.773	26	$5d^4(^3D)6p$	$^4D°$	11	$5d^4(^3D)6p$	$^4F°$
		7/2	63266.459	13	$5d^4(^3G)6p$	$^4H°$	7	$5d^3(^2G)6s(^3G)6p$	$^4H°$
		7/2	63788.242	11	$5d^4(^3H)6p$	$^4H°$	9	$5d^4(^3F2)6p$	$^4F°$
$5d^4(^3H)6p$	$^4I°$	15/2	63875.361	81	$5d^4(^3H)6p$	$^4I°$	13	$5d^4(^1I)6p$	$^2K°$
		5/2	63880.265	12	$5d^3(^4F)6s(^3F)6p$	$^4G°$	9	$5d^3(^2G)6s(^3G)6p$	$^4G°$
		5/2	64030.511	17	$5d^4(^3D)6p$	$^4P°$	8	$5d^4(^3P2)6p$	$^4P°$
		9/2	64207.585	9	$5d^4(^3F2)6p$	$^4F°$	8	$5d^4(^3H)6p$	$^2H°$
		3/2	64255.162	11	$5d^4(^3D)6p$	$^4F°$	10	$5d^3(^2P)6s(^1P)6p$	$^2D°$
		5/2	64310.114	7	$5d^4(^1F)6p$	$^2D°$	6	$5d^4(^3F2)6p$	$^2D°$
		7/2	64356.750	11	$5d^4(^3F2)6p$	$^4F°$	9	$5d^3(^2G)6s(^3G)6p$	$^4F°$
		9/2	64516.226	14	$5d^4(^3G)6p$	$^4F°$	13	$5d^4(^3D)6p$	$^4F°$
		3/2	64804.173	8	$5d^4(^3F2)6p$	$^2D°$	7	$5d^3(^2G)6s(^3G)6p$	$^4F°$
		7/2	64896.325	14	$5d^4(^1F)6p$	$^2G°$	7	$5d^3(^2F)6s(^1F)6p$	$^2G°$
		11/2	64969.172	18	$5d^4(^3G)6p$	$^4G°$	15	$5d^3(^2H)6s(^3H)6p$	$^4I°$
		5/2	64990.383	9	$5d^4(^3F2)6p$	$^2F°$	6	$5d^4(^3G)6p$	$^4G°$
		9/2	65003.292	23	$5d^3(^2H)6s(^3H)6p$	$^4I°$	9	$5d^3(^2G)6s(^3G)6p$	$^4G°$
		3/2	65299.715	9	$5d^4(^3D)6p$	$^4P°$	9	$5d^3(^4P)6s(^5P)6p$	$^4D°$
		11/2	65326.546	20	$5d^3(^2G)6s(^3G)6p$	$^4G°$	10	$5d^3(^2H)6s(^1H)6p$	$^2H°$
		7/2	65455.496	12	$5d^3(^2H)6s(^3H)6p$	$^4H°$	11	$5d^3(^2G)6s(^3G)6p$	$^4H°$
$5d^3(^4P)6s(^5P)6p$	$^6S°$	5/2	65481.012	49	$5d^3(^4P)6s(^5P)6p$	$^6S°$	7		$^4P°$
		7/2	65643.968	13	$5d^3(^4F)6s(^3F)6p$	$^2F°$	9	$5d^4(^3F2)6p$	$^2F°$
		11/2	65684.866	14	$5d^4(^3H)6p$	$^2I°$	10	$5d^4(^3H)6p$	$^2H°$
		7/2	66026.803	10	$5d^3(^2H)6s(^3H)6p$	$^4H°$	8	$5d^3(^4F)6s(^3F)6p$	$^4G°$
		5/2	66144.496	11	$5d^26s^2(^3F)6p$	$^4G°$	8	$5d^3(^4F)6s(^3F)6p$	$^2F°$
		9/2	66271.003	14	$5d^3(^4F)6s(^3F)6p$	$^4G°$	13	$5d^4(^3H)6p$	$^2H°$
		11/2	66703.457	14	$5d^4(^1I)6p$	$^2H°$	14	$5d^3(^2H)6s(^3H)6p$	$^4I°$
		9/2	66816.290	16	$5d^4(^3G)6p$	$^4G°$	13	$5d^3(^2H)6s(^3H)6p$	$^4G°$
		7/2	66898.059	11	$5d^4(^3G)6p$	$^4G°$	7	$5d^4(^3D)6p$	$^4F°$
		9/2	67028.654	17	$5d^4(^3D)6p$	$^4F°$	10	$5d^3(^2D2)6s(^3D)6p$	$^4F°$
		5/2	67173.555	17	$5d^4(^3D)6p$	$^4F°$	12	$5d^4(^3G)6p$	$^4G°$
		9/2	67847.271	24	$5d^3(^2H)6s(^3H)6p$	$^4H°$	9	$5d^4(^3G)6p$	$^2G°$
		11/2	68012.627	29	$5d^3(^2G)6s(^3G)6p$	$^4H°$	10	$5d^3(^2H)6s(^3H)6p$	$^4H°$
$5d^4(^1I)6p$	$^2K°$	13/2	68079.006	47	$5d^4(^1I)6p$	$^2K°$	31	$5d^4(^3H)6p$	$^2I°$
		15/2	72821.142	59	$5d^4(^1I)6p$	$^2K°$	22	$5d^3(^2H)6s(^3H)6p$	$^4I°$
		7/2	68362.322	11	$5d^4(^3G)6p$	$^2F°$	9	$5d^4(^3G)6p$	$^4H°$
		5/2	68443.785	14	$5d^4(^3F2)6p$	$^4D°$	9	$5d^3(^2D2)6s(^3D)6p$	$^4D°$
		3/2	68499.486	8	$5d^4(^3D)6p$	$^4F°$	7	$5d^4(^3F2)6p$	$^4D°$
		7/2	68619.990	7	$5d^3(^4P)6s(^5P)6p$	$^4D°$	6	$5d^4(^1F)6p$	$^2F°$
		9/2	68734.663	16	$5d^4(^3G)6p$	$^4H°$	12	$5d^4(^3G)6p$	$^2H°$
$5d^3(^2H)6s(^3H)6p$	$^4I°$	13/2	69035.063	42	$5d^3(^2H)6s(^3H)6p$	$^4I°$	11	$5d^4(^3H)6p$	$^4H°$
		15/2	70845.790	72	$5d^3(^2H)6s(^3H)6p$	$^4I°$	28	$5d^4(^1I)6p$	$^2K°$
		5/2	69060.711	8	$5d^4(^1D2)6p$	$^2F°$	6	$5d^3(^2H)6s(^3H)6p$	$^4G°$
		9/2	69105.775	9	$5d^3(^2H)6s(^3H)6p$	$^4H°$	8	$5d^4(^3F2)6p$	$^4G°$
		5/2	69481.712	11	$5d^4(^3G)6p$	$^2F°$	6	$5d^4(^3D)6p$	$^2F°$
		7/2	69580.334	6	$5d^3(^2H)6s(^3H)6p$	$^4G°$	5	$5d^4(^3G)6p$	$^2F°$
		11/2	69587.792	14	$5d^4(^3G)6p$	$^4G°$	10	$5d^3(^2H)6s(^3H)6p$	$^4I°$

TABLE 5. Odd levels of W II—Continued

Configuration	Term	J	Level (cm^{-1})	Lande g	Leading percentage		2nd percentage			
$5d^3(^2H)6s(^3H)6p$	$^4H°$	13/2	70000.529	40	$5d^3(^2H)6s(^3H)6p$	$^4H°$	19	$5d^4(^1I)6p$	$^2I°$
		7/2	70211.800	7	$5d^3(^2D2)6s(^3D)6p$	$^4D°$	7	$5d^4(^1G2)6p$	$^2F°$
		7/2	70674.184	8	$5d^3(^4F)6s(^3F)6p$	$^2F°$	8	$5d^4(^1G2)6p$	$^2F°$
		9/2	70902.470	14	$5d^4(^3G)6p$	$^4G°$	10	$5d^4(^3G)6p$	$^2G°$
		11/2	71164.174	25	$5d^4(^1I)6p$	$^2I°$	13	$5d^3(^2H)6s(^3H)6p$	$^4H°$
$5d^4(^1I)6p$	$^2I°$	13/2	71220.067	41	$5d^4(^1I)6p$	$^2I°$	11	$5d^4(^3H)6p$	$^2I°$
		9/2	71245.032	12	$5d^4(^3H)6p$	$^2H°$	10	$5d^3(^2H)6s(^1H)6p$	$^2G°$
		9/2	71785.392	20	$5d^4(^1I)6p$	$^2H°$	11	$5d^4(^1F)6p$	$^2G°$
		11/2	72180.632	20	$5d^4(^3G)6p$	$^2H°$	16	$5d^4(^3H)6p$	$^2H°$
		9/2	72401.581	11	$5d^4(^1G1)6p$	$^2G°$	11	$5d^3(^4F)6s(^3F)6p$	$^2G°$
		9/2	72557.895	11	$5d^4(^1I)6p$	$^2H°$	7	$5d^4(^3G)6p$	$^2H°$
		7/2	72597.303	10	$5d^3(^2D2)6s(^3D)6p$	$^4F°$	9	$5d^3(^2D1)6s(^3D)6p$	$^4F°$
		11/2	73266.317	25	$5d^3(^2H)6s(^1H)6p$	$^2I°$	16	$5d^4(^3G)6p$	$^2H°$
		7/2	73427.537	19	$5d^3(^2F)6s(^3F)6p$	$^4G°$	11	$5d^3(^2H)6s(^3H)6p$	$^4G°$
		9/2	73705.965	27	$5d^3(^2H)6s(^1H)6p$	$^2H°$	9	$5d^3(^2G)6s(^1G)6p$	$^2H°$
		9/2	74446.931	10	$5d^4(^1G2)6p$	$^2G°$	9	$5d^4(^3D)6p$	$^4F°$

TABLE 6. Observed lines of W II

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	σ_{calc} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	λ_{unc} (Å)[4]	Ref.[5]
1527.933	15	65447.91	65447.517	$3172_{5/2}$ – $68619°_{7/2}$	0.39		0.013	5
1563.433	5	63961.81	63962.183	$1518_{3/2}$ – $65481°_{5/2}$	–0.37		0.013	5
1576.282	7	63440.41	63440.707	$6147_{9/2}$ – $69587°_{11/2}$	–0.30		0.013	5
1588.007	5	62972.01	62972.023	$3172_{5/2}$ – $66144°_{5/2}$	–0.01		0.013	5
1620.109	9*bl*	61724.25	61723.852	$3172_{5/2}$ – $64896°_{7/2}$	0.40		0.013	5
1631.028	3	61311.03	61310.525	$4716_{7/2}$ – $66026°_{7/2}$	0.50		0.013	5
1636.164	5?	61118.56	61117.662	$0_{1/2}$ – $61117°_{3/2}$	0.90		0.013	5
1640.902	5	60942.08	60942.061	$7420_{5/2}$ – $68362°_{7/2}$	0.02		0.013	5
1658.530	5	60294.35	60294.026	$13411_{7/2}$ – $73705°_{9/2}$	0.32		0.013	5
1671.778	5*bl*	59816.55	59817.166	$3172_{5/2}$ – $62989°_{5/2}$	–0.62		0.013	5
			59816.385	$0_{1/2}$ – $59816°_{3/2}$	0.17			5
1680.773	3	59496.42	59496.883	$6147_{9/2}$ – $65643°_{7/2}$	–0.46		0.013	5
1690.737	9	59145.82	59145.956	$13411_{7/2}$ – $72557°_{9/2}$	–0.14		0.013	5
1692.842	15*bl*	59072.26	59071.964	$4716_{7/2}$ – $63788°_{7/2}$	0.30		0.013	5
1707.683	15*bl*	58558.88	58558.988	$15146_{7/2}$ – $73705°_{9/2}$	–0.11		0.013	5
1710.562	5	58460.32	58459.792	$14967_{5/2}$ – $73427°_{7/2}$	0.53		0.013	5
1715.860	9	58279.81	58280.560	$15146_{7/2}$ – $73427°_{7/2}$	–0.75		0.013	5
			58279.310	$11301_{5/2}$ – $69580°_{7/2}$	0.50			5
1717.513	5	58223.71	58223.707	$7420_{5/2}$ – $65643°_{7/2}$	0.00		0.013	5
1717.930	9*bl*	58209.60	58209.665	$6147_{9/2}$ – $64356°_{7/2}$	–0.07		0.013	5
1718.788	11	58180.52	58180.688	$11301_{5/2}$ – $69481°_{5/2}$	–0.17		0.013	5
1726.391	7	57924.31	57924.222	$1518_{3/2}$ – $59443°_{5/2}$	0.09		0.013	5
1728.578	11	57851.01	57851.300	$10592_{3/2}$ – $68443°_{5/2}$	–0.29		0.013	5
1731.917	7*d*	57739.50	57740.143	$14857_{9/2}$ – $72597°_{7/2}$	–0.64		0.013	5
1735.614	15*bl*	57616.48	57616.969	$4716_{7/2}$ – $62333°_{5/2}$	–0.49		0.013	5
1735.672	7	57614.57	57614.577	$4716_{7/2}$ – $62330°_{9/2}$	–0.01		0.013	5
1751.793	11*bl*	57084.37	57084.074	$3172_{5/2}$ – $60256°_{7/2}$	0.30		0.013	5
1759.006	5*bl*	56850.30	56850.576	$4716_{7/2}$ – $61566°_{5/2}$	–0.28		0.013	5
1761.771	3	56761.05	56761.219	$3172_{5/2}$ – $59933°_{7/2}$	–0.17		0.013	5
1766.480	9	56609.75	56610.003	$4716_{7/2}$ – $61326°_{7/2}$	–0.25		0.013	5
1767.764	7	56568.64	56569.074	$6147_{9/2}$ – $62716°_{9/2}$	–0.43		0.013	5
1770.272	7	56488.49	56488.861	$1518_{3/2}$ – $58007°_{3/2}$	–0.37		0.013	5
1776.862	15*bl*	56278.98	56279.109	$8711_{3/2}$ – $64990°_{5/2}$	–0.13		0.013	5
1783.042	150	56083.92	56084.326	$0_{1/2}$ – $56084°_{3/2}$	–0.41		0.013	5
1787.612	5	55940.54	55940.262	$4716_{7/2}$ – $60656°_{5/2}$	0.28		0.013	5
1795.088	15	55707.58	55707.959	$4716_{7/2}$ – $60424°_{7/2}$	–0.38		0.013	5
1798.610	5*bl*	55598.49	55598.840	$8711_{3/2}$ – $64310°_{5/2}$	–0.35		0.013	5
1799.553	9*bl*	55569.35	55569.378	$7420_{5/2}$ – $62989°_{5/2}$	–0.03		0.013	5
1800.491	25	55540.42	55540.269	$4716_{7/2}$ – $60256°_{7/2}$	0.15		0.013	5
1800.599	25*bl*	55537.08	55537.141	$3172_{5/2}$ – $58709°_{7/2}$	–0.06		0.013	5
1802.188	25	55488.10	55488.134	$0_{1/2}$ – $55488°_{3/2}$	–0.03		0.013	5
1807.695	3	55319.07	55319.237	$8711_{3/2}$ – $64030°_{5/2}$	–0.17		0.013	5
1811.028	15	55217.24	55217.414	$4716_{7/2}$ – $59933°_{7/2}$	–0.17		0.013	5
1812.279	15	55179.13	55179.196	$6147_{9/2}$ – $61326°_{7/2}$	–0.07		0.013	5

TABLE 6. Observed lines of W II—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	σ_{calc} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	λ_{unc} (Å)[4]	Ref.[5]
1812.758	15	55164.56	55164.623	$3172_{5/2}$ – $58337°_{5/2}$	–0.06		0.013	5
1815.095	3	55093.53	55093.728	$6147_{9/2}$ – $61240°_{11/2}$	–0.20		0.013	5
1817.336	25*bl*	55025.58	55025.679	$1518_{3/2}$ – $56544°_{5/2}$	–0.10		0.013	5
1821.199	11	54908.87	54908.764	$6147_{9/2}$ – $61055°_{9/2}$	0.11		0.013	5
1828.687	250	54684.05	54684.286	$3172_{5/2}$ – $57856°_{5/2}$	–0.24		0.013	5
1832.658	3	54565.57	54565.497	$1518_{3/2}$ – $56084°_{3/2}$	0.07		0.013	5
1832.839	5	54560.17	54560.576	$4716_{7/2}$ – $59276°_{7/2}$	–0.41		0.013	5
1832.943	3	54557.07	54557.268	$18000_{7/2}$ – $72557°_{9/2}$	–0.20		0.013	5
1838.315	150*bl*	54397.64	54397.898	$10592_{3/2}$ – $64990°_{5/2}$	–0.26		0.013	5
1842.397	50*bl*	54277.11	54277.152	$6147_{9/2}$ – $60424°_{7/2}$	–0.04		0.013	5
1847.345	3	54131.75	54131.641	$6147_{9/2}$ – $60278°_{9/2}$	0.11		0.013	5
1848.106	250	54109.44	54109.462	$6147_{9/2}$ – $60256°_{7/2}$	–0.02		0.013	5
1849.132	3	54079.41	54079.665	$3172_{5/2}$ – $57252°_{5/2}$	–0.25		0.013	5
1852.086	50	53993.16	53993.336	$4716_{7/2}$ – $58709°_{7/2}$	–0.18		0.013	5
1852.911	50*bl*	53969.14	53969.305	$1518_{3/2}$ – $55488°_{3/2}$	–0.16		0.013	5
1855.102	350*bl*	53905.38	53906.020	$7420_{5/2}$ – $61326°_{7/2}$	–0.64		0.013	5
1859.197	25	53786.65	53786.607	$6147_{9/2}$ – $59933°_{7/2}$	0.04		0.013	5
1861.257	7	53727.12	53727.242	$17436_{11/2}$ – $71164°_{11/2}$	–0.12		0.013	5
1861.441	3	53721.82	53722.065	$6147_{9/2}$ – $59869°_{7/2}$	–0.25		0.013	5
1861.593	5	53717.42	53717.629	$10592_{3/2}$ – $64310°_{5/2}$	–0.21		0.013	5
1862.295	11	53697.18	53697.401	$7420_{5/2}$ – $61117°_{3/2}$	–0.22		0.013	5
1864.948	50*bl*	53620.80	53620.818	$4716_{7/2}$ – $58337°_{5/2}$	–0.02		0.013	5
1865.815	25*bl*	53595.88	53596.129	$3172_{5/2}$ – $56768°_{7/2}$	–0.25		0.013	5
1871.260	7	53439.94	53440.213	$0_{1/2}$ – $53440°_{1/2}$	–0.27		0.013	5
1871.848	15	53423.15	53423.050	$0_{1/2}$ – $53423°_{3/2}$	0.10		0.013	5
1873.640	3	53372.060	53372.035	$3172_{5/2}$ – $56544°_{5/2}$	0.025		0.002	1
1875.126	15	53329.74	53329.762	$0_{1/2}$ – $53329°_{3/2}$	–0.02		0.013	5
1876.614	3	53287.45	53287.780	$10592_{3/2}$ – $63880°_{5/2}$	–0.33		0.013	5
1877.218	5	53270.32	53270.661	$4716_{7/2}$ – $57986°_{9/2}$	–0.34		0.013	5
1877.854	3	53252.277	53252.254	$6147_{9/2}$ – $59399°_{9/2}$	0.023		0.002	1
1880.202	25	53185.76	53185.756	$1518_{3/2}$ – $54704°_{5/2}$	0.00		0.013	5
1881.807	15	53140.41	53140.481	$4716_{7/2}$ – $57856°_{5/2}$	–0.07		0.013	5
1882.187	15	53129.69	53129.769	$6147_{9/2}$ – $59276°_{7/2}$	–0.08		0.013	5
1886.305	25	53013.70	53013.716	$4716_{7/2}$ – $57729°_{7/2}$	–0.02		0.013	5
1886.464	50*bl*	53009.22	53009.090	$11301_{5/2}$ – $64310°_{5/2}$	0.13		0.013	5
1886.677	3?	53003.25	53003.976	$7420_{5/2}$ – $60424°_{7/2}$	–0.73		0.013	5
1891.835	3	52858.73	52859.064	$13411_{7/2}$ – $66271°_{9/2}$	–0.33		0.013	5
1891.886	50	52857.32	52857.030	$1518_{3/2}$ – $54375°_{5/2}$	0.29		0.013	5
1896.352	3	52732.83	52732.557	$13411_{7/2}$ – $66144°_{5/2}$	0.27		0.013	5
1896.468	25	52729.59	52729.487	$11301_{5/2}$ – $64030°_{5/2}$	0.10		0.013	5
1899.438	2	52647.149	52647.179	$20780_{9/2}$ – $73427°_{7/2}$	–0.030		0.004	1
1900.477	15	52618.37	52618.396	$1518_{3/2}$ – $54137°_{3/2}$	–0.03		0.013	5
1901.367	3	52593.74	52593.766	$0_{1/2}$ – $52593°_{1/2}$	–0.03		0.013	5
1902.495	3	52562.555	52562.529	$6147_{9/2}$ – $58709°_{7/2}$	0.026		0.002	1
1903.470	15	52535.62	52535.860	$4716_{7/2}$ – $57252°_{5/2}$	–0.24		0.013	5
1904.500	5	52507.23	52507.480	$1518_{3/2}$ – $54026°_{5/2}$	–0.25		0.013	5

TABLE 6. Observed lines of W II—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	σ_{calc} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	λ_{unc} (Å)[4]	Ref.[5]
1906.625	11*bl*	52448.69	52448.889	$7420_{5/2}$ – $59869°_{7/2}$	–0.20		0.013	5
1909.368	3	52373.35	52373.204	$4716_{7/2}$ – $57089°_{9/2}$	0.15		0.013	5
1910.017	3*bl*	52355.55	52355.250	$0_{1/2}$ – $52355°_{1/2}$	0.30		0.013	5
1911.4742	4	52315.641	52315.661	$3172_{5/2}$ – $55488°_{3/2}$	–0.020		0.0012	1
1915.350	7	52209.78	52209.898	$13434_{5/2}$ – $65643°_{7/2}$	–0.12		0.013	5
1916.092	5	52189.56	52189.749	$8711_{3/2}$ – $60901°_{5/2}$	–0.19		0.013	5
1923.454	11	51989.81	51989.917	$3172_{5/2}$ – $55162°_{5/2}$	–0.11		0.013	5
1924.7768	4	51954.076	51954.082	$8711_{3/2}$ – $60665°_{3/2}$	–0.006		0.0014	1
1925.990	25	51921.36	51921.384	$1518_{3/2}$ – $53440°_{1/2}$	–0.02		0.013	5
1928.6230	7	51850.466	51850.459	$3172_{5/2}$ – $55022°_{7/2}$	0.007		0.0008	1
1929.027	3	51839.60	51839.854	$6147_{9/2}$ – $57986°_{9/2}$	–0.25		0.013	5
1929.287	3	51832.613	51832.628	$8832_{1/2}$ – $60665°_{3/2}$	–0.015		0.002	1
1929.314	3	51831.904	51831.920	$19070_{9/2}$ – $70902°_{9/2}$	–0.016		0.002	1
1929.4508	8	51828.219	51828.230	$4716_{7/2}$ – $56544°_{5/2}$	–0.011		0.0007	1
1930.093	3	51810.962	51810.933	$1518_{3/2}$ – $53329°_{3/2}$	0.029		0.002	1
1931.865	3	51763.459	51763.458	$8711_{3/2}$ – $60474°_{5/2}$	0.001		0.002	1
1933.423	3	51721.748	51721.708	$19442_{13/2}$ – $71164°_{11/2}$	0.040		0.002	1
1934.334	3	51697.388	51697.371	$4716_{7/2}$ – $56413°_{9/2}$	0.017		0.002	1
1935.402	2	51668.844	51668.843	$17436_{11/2}$ – $69105°_{9/2}$	0.001		0.003	1
1938.0558	4	51598.102	51598.131	$17436_{11/2}$ – $69035°_{13/2}$	–0.029		0.0014	1
1938.1826	10	51594.725	51594.704	$1518_{3/2}$ – $53113°_{5/2}$	0.021		0.0006	1
1938.298	5*bl*	51591.64	51591.353	$13411_{7/2}$ – $65003°_{9/2}$	0.29		0.013	5
1938.626	5	51582.92	51582.909	$6147_{9/2}$ – $57729°_{7/2}$	0.01		0.013	5
1938.797	3	51578.39	51578.444	$13411_{7/2}$ – $64990°_{5/2}$	–0.05		0.013	5
1940.540	11	51532.04	51532.112	$3172_{5/2}$ – $54704°_{5/2}$	–0.07		0.013	5
1941.298	3	51511.919	51511.934	$22194_{7/2}$ – $73705°_{9/2}$	–0.015		0.002	1
1943.271	3	51459.62	51459.540	$16553_{9/2}$ – $68012°_{11/2}$	0.08		0.013	5
1945.000	3	51413.893	51413.843	$14857_{9/2}$ – $66271°_{9/2}$	0.050		0.002	1
1948.3253	8	51326.131	51326.135	$3172_{5/2}$ – $54498°_{7/2}$	–0.004		0.0007	1
1949.5379	7	51294.208	51294.184	$16553_{9/2}$ – $67847°_{9/2}$	0.024		0.0008	1
1949.919	7	51284.18	51284.183	$1518_{3/2}$ – $52803°_{3/2}$	0.00		0.013	5
1951.0506	18	51254.436	51254.429	$0_{1/2}$ – $51254°_{3/2}$	0.007		0.0003	1
1952.997	3	51203.367	51203.386	$3172_{5/2}$ – $54375°_{5/2}$	–0.019		0.002	1
1956.775	3	51104.48	51104.287	$13411_{7/2}$ – $64516°_{9/2}$	0.19		0.013	5
1957.916	3	51074.71	51074.937	$1518_{3/2}$ – $52593°_{1/2}$	–0.23		0.013	5
1961.403	3	50983.90	50983.657	$8832_{1/2}$ – $59816°_{3/2}$	0.24		0.013	5
1962.1408	15	50964.743	50964.752	$3172_{5/2}$ – $54137°_{3/2}$	–0.009		0.0004	1
1962.9066	4	50944.858	50944.811	$13411_{7/2}$ – $64356°_{7/2}$	0.047		0.0014	1
1962.999	4*w*	50942.452	50942.397	$6147_{9/2}$ – $57089°_{9/2}$	0.055		0.003	1
1964.708	2	50898.142	50898.175	$13411_{7/2}$ – $64310°_{5/2}$	–0.033		0.003	1
1965.4169	5	50879.791	50879.826	$15146_{7/2}$ – $66026°_{7/2}$	–0.035		0.0013	1
1965.565	9	50875.96	50876.044	$13434_{5/2}$ – $64310°_{5/2}$	–0.08		0.013	5
1967.099	3	50836.27	50836.421	$1518_{3/2}$ – $52355°_{1/2}$	–0.15		0.013	5
1967.4299	4	50827.731	50827.706	$14857_{9/2}$ – $65684°_{11/2}$	0.025		0.0014	1
1968.676	15	50795.56	50795.646	$13411_{7/2}$ – $64207°_{9/2}$	–0.09		0.013	5
1973.314	7	50676.172	50676.223	$14967_{5/2}$ – $65643°_{7/2}$	–0.051		0.003	1

TABLE 6. Observed lines of W II—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	σ_{calc} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	λ_{unc} (Å)[4]	Ref.[5]
			50676.168	$4716_{7/2}$ – $55392°_{9/2}$	0.004			1
1975.447	15*bl*	50621.45	50621.517	$6147_{9/2}$ – $56768°_{7/2}$	–0.07		0.013	5
1975.529	9*bl*	50619.34	50619.363	$18000_{7/2}$ – $68619°_{7/2}$	–0.02		0.013	5
1976.426	5	50596.37	50596.441	$13434_{5/2}$ – $64030°_{5/2}$	–0.07		0.013	5
1977.2348	10	50575.683	50575.695	$17436_{11/2}$ – $68012°_{11/2}$	–0.012		0.0006	1
1977.5243	13	50568.280	50568.281	$1518_{3/2}$ – $52087°_{5/2}$	–0.001		0.0004	1
1977.9237	22	50558.067	50558.063	$19442_{13/2}$ – $70000°_{13/2}$	0.004		0.0003	1
1979.210	2	50525.203	50525.177	$10592_{3/2}$ – $61117°_{3/2}$	0.026		0.003	1
1979.828	5	50509.43	50509.784	$19070_{9/2}$ – $69580°_{7/2}$	–0.35		0.013	5
1980.317	15	50496.97	50496.991	$15146_{7/2}$ – $65643°_{7/2}$	–0.02		0.013	5
1981.1563	8	50475.574	50475.567	$16553_{9/2}$ – $67028°_{9/2}$	0.007		0.0007	1
1981.400	4	50469.373	50469.386	$14857_{9/2}$ – $65326°_{11/2}$	–0.013		0.002	1
1981.4399	4	50468.349	50468.326	$13411_{7/2}$ – $63880°_{5/2}$	0.023		0.0014	1
1981.542	9	50465.74	50465.751	$6147_{9/2}$ – $56612°_{7/2}$	–0.01		0.013	5
1982.314	9	50446.09	50446.195	$13434_{5/2}$ – $63880°_{5/2}$	–0.11		0.013	5
1982.691	9	50436.51	50436.498	$7420_{5/2}$ – $57856°_{5/2}$	0.01		0.013	5
1982.9073	11	50431.000	50430.999	$0_{1/2}$ – $50430°_{3/2}$	0.001		0.0005	1
1985.055	11	50376.44	50376.303	$13411_{7/2}$ – $63788°_{7/2}$	0.14		0.013	5
1985.368	5	50368.50	50368.279	$20534_{11/2}$ – $70902°_{9/2}$	0.22		0.013	5
1985.865	15*d*	50355.90	50356.047	$14634_{3/2}$ – $64990°_{5/2}$	–0.15		0.013	5
1986.2956	4	50344.975	50344.972	$16553_{9/2}$ – $66898°_{7/2}$	0.003		0.0014	1
1987.7348	6	50308.522	50308.538	$10592_{3/2}$ – $60901°_{5/2}$	–0.016		0.0013	1
			50308.519	$15146_{7/2}$ – $65455°_{7/2}$	0.003			1
			50308.456	$16589_{7/2}$ – $66898°_{7/2}$	0.066			1
1987.8088	11	50306.650	50306.654	$4716_{7/2}$ – $55022°_{7/2}$	–0.004		0.0006	1
1989.3940	29	50266.563	50266.564	$6147_{9/2}$ – $56413°_{9/2}$	–0.001		0.0002	1
1990.0652	6	50249.610	50249.625	$11301_{5/2}$ – $61550°_{7/2}$	–0.015		0.0010	1
1990.8628	14	50229.479	50229.484	$6147_{9/2}$ – $56376°_{11/2}$	–0.005		0.0004	1
1993.139	3	50172.121	50172.118	$20039_{7/2}$ – $70211°_{7/2}$	0.003		0.002	1
1993.727	11	50157.32	50157.289	$3172_{5/2}$ – $53329°_{3/2}$	0.03		0.013	5
1994.001	15	50150.42	50150.370	$16553_{9/2}$ – $66703°_{11/2}$	0.05		0.013	5
1994.1719	5	50146.129	50146.132	$14857_{9/2}$ – $65003°_{9/2}$	–0.003		0.0012	1
1994.2036	6	50145.332	50145.326	$19442_{13/2}$ – $69587°_{11/2}$	0.006		0.0009	1
1995.5296	13	50112.011	50112.012	$14857_{9/2}$ – $64969°_{11/2}$	–0.001		0.0005	1
1997.2124	4	50069.788	50069.782	$18990_{3/2}$ – $69060°_{5/2}$	0.006		0.0014	1
1997.4416	7	50064.041	50064.055	$10592_{3/2}$ – $60656°_{5/2}$	–0.014		0.0008	1
1998.423	25	50039.46	50039.165	$14857_{9/2}$ – $64896°_{7/2}$	0.30		0.013	5
1998.532	3	50036.723	50036.768	$8711_{3/2}$ – $58748°_{3/2}$	–0.045		0.002	1
1998.994	15	50025.16	50025.257	$11301_{5/2}$ – $61326°_{7/2}$	–0.10		0.013	5
1999.095	3	50022.65	50022.638	$14967_{5/2}$ – $64990°_{5/2}$	0.01		0.013	5
1999.2885	11	50017.794	50017.792	$1518_{3/2}$ – $51536°_{1/2}$	0.002		0.0005	1
1999.8203	6	49988.296	49988.307	$4716_{7/2}$ – $54704°_{5/2}$	–0.011		0.0009	1
2000.271	5	49977.02	49977.119	$23450_{5/2}$ – $73427°_{7/2}$	–0.10		0.013	5
2001.715	13*w*	49940.997	49941.060	$3172_{5/2}$ – $53113°_{5/2}$	–0.063		0.004	1
2002.219	5	49928.42	49928.580	$14967_{5/2}$ – $64896°_{7/2}$	–0.16		0.013	5
2002.599	9	49918.93	49919.235	$1518_{3/2}$ – $51438°_{5/2}$	–0.30		0.013	5

TABLE 6. Observed lines of W II—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	σ_{calc} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	λ_{unc} (Å)[4]	Ref.[5]
2002.750	11	49915.17	49915.314	$8832_{1/2}$ – $58748°_{3/2}$	–0.14		0.013	5
2002.964	9	49909.83	49909.781	$16234_{5/2}$ – $66144°_{5/2}$	0.05		0.013	5
2003.271	2	49902.214	49902.263	$23803_{7/2}$ – $73705°_{9/2}$	–0.049		0.003	1
2005.126	3	49856.04	49856.315	$15146_{7/2}$ – $65003°_{9/2}$	–0.27		0.013	5
2005.599	5	49844.28	49844.403	$19637_{5/2}$ – $69481°_{5/2}$	–0.12		0.013	5
2005.919	15	49836.32	49836.428	$14967_{5/2}$ – $64804°_{3/2}$	–0.11		0.013	5
2006.070	15	49832.57	49832.389	$13434_{5/2}$ – $63266°_{7/2}$	0.18		0.013	5
2006.711	4	49816.659	49816.638	$11301_{5/2}$ – $61117°_{3/2}$	0.021		0.002	1
2008.017	4	49784.270	49784.280	$19276_{5/2}$ – $69060°_{5/2}$	–0.010		0.002	1
2008.09551	50	49782.328	49782.330	$4716_{7/2}$ – $54498°_{7/2}$	–0.002		0.00012	1
2009.375	5	49750.62	49750.616	$23955_{11/2}$ – $73705°_{9/2}$	0.00		0.013	5
2009.9828	10	49735.591	49735.600	$1518_{3/2}$ – $51254°_{3/2}$	–0.009		0.0006	1
2010.2363	16	49729.321	49729.321	$3172_{5/2}$ – $52901°_{7/2}$	0.000		0.0004	1
2011.394	2	49700.698	49700.703	$13434_{5/2}$ – $63134°_{3/2}$	–0.005		0.003	1
2012.876	3	49664.120	49664.113	$19070_{9/2}$ – $68734°_{9/2}$	0.007		0.002	1
2013.063	15	49659.49	49659.581	$4716_{7/2}$ – $54375°_{5/2}$	–0.09		0.013	5
2013.761	3	49642.294	49642.319	$24804_{7/2}$ – $74446°_{9/2}$	–0.025		0.002	1
2014.2381	19	49630.534	49630.539	$3172_{5/2}$ – $52803°_{3/2}$	–0.005		0.0003	1
2014.4296	9	49625.818	49625.822	$8711_{3/2}$ – $58337°_{5/2}$	–0.004		0.0007	1
2014.512	9	49623.79	49623.835	$23803_{7/2}$ – $73427°_{7/2}$	–0.04		0.013	5
2015.4793	6	49599.976	49599.999	$11301_{5/2}$ – $60901°_{5/2}$	–0.023		0.0010	1
2015.579	3	49597.526	49597.525	$8711_{3/2}$ – $58308°_{1/2}$	0.001		0.002	1
2015.7791	34	49592.599	49592.597	$19442_{13/2}$ – $69035°_{13/2}$	0.002		0.0002	1
2015.817	3	49591.679	49591.722	$17436_{11/2}$ – $67028°_{9/2}$	–0.043		0.002	1
2016.3848	5	49577.705	49577.700	$13411_{7/2}$ – $62989°_{5/2}$	0.005		0.0012	1
2017.534	3	49549.462	49549.440	$19070_{9/2}$ – $68619°_{7/2}$	0.022		0.003	1
2017.8927	4	49540.663	49540.652	$20039_{7/2}$ – $69580°_{7/2}$	0.011		0.0013	1
2019.090	5	49511.29	49511.171	$23046_{7/2}$ – $72557°_{9/2}$	0.12		0.013	5
2019.207	9	49508.42	49508.557	$18990_{3/2}$ – $68499°_{3/2}$	–0.14		0.013	5
2019.567	3	49499.585	49499.590	$14857_{9/2}$ – $64356°_{7/2}$	–0.005		0.002	1
2020.624	3	49473.702	49473.716	$16553_{9/2}$ – $66026°_{7/2}$	–0.014		0.002	1
2020.919	9	49466.49	49466.338	$20534_{11/2}$ – $70000°_{13/2}$	0.15		0.013	5
2021.468	5	49453.05	49452.856	$18990_{3/2}$ – $68443°_{5/2}$	0.19		0.013	5
2022.3519	6	49431.442	49431.442	$20780_{9/2}$ – $70211°_{7/2}$	0.000		0.0009	1
2023.802	9	49396.01	49396.175	$14634_{3/2}$ – $64030°_{5/2}$	–0.16		0.013	5
2024.485	3	49379.360	49379.358	$17436_{11/2}$ – $66816°_{9/2}$	0.002		0.002	1
2025.178	3	49362.482	49362.525	$23234_{9/2}$ – $72597°_{7/2}$	–0.043		0.002	1
2025.471	25*bl*	49355.31	49355.516	$11301_{5/2}$ – $60656°_{5/2}$	–0.21		0.013	5
2025.655	25*bl*	49350.85	49350.425	$14857_{9/2}$ – $64207°_{9/2}$	0.42		0.013	5
2025.956	3	49343.522	49343.559	$19276_{5/2}$ – $68619°_{7/2}$	–0.037		0.002	1
2026.0032	4	49342.369	49342.369	$14967_{5/2}$ – $64310°_{5/2}$	0.000		0.0015	1
2026.08751	71	49340.316	49340.316	$4716_{7/2}$ – $54056°_{9/2}$	0.000		0.00008	1
2027.2939	9	49310.958	49310.968	$23955_{11/2}$ – $73266°_{11/2}$	–0.010		0.0007	1
2027.3324	13	49310.023	49310.031	$4716_{7/2}$ – $54026°_{5/2}$	–0.008		0.0004	1
2027.5709	6	49304.224	49304.220	$13411_{7/2}$ – $62716°_{9/2}$	0.004		0.0010	1
2027.894	3	49296.380	49296.416	$8711_{3/2}$ – $58007°_{3/2}$	–0.036		0.002	1

TABLE 6. Observed lines of W II—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	σ_{calc} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	λ_{unc} (Å)[4]	Ref.[5]
2028.142	9	49290.35	49290.620	$13434_{5/2}$ – $62724°_{3/2}$	–0.27		0.013	5
2028.262	15	49287.41	49287.417	$14967_{5/2}$ – $64255°_{3/2}$	–0.01		0.013	5
2028.518	2	49281.205	49281.222	$13173_{1/2}$ – $62454°_{3/2}$	–0.017		0.003	1
2029.1227	9	49266.523	49266.525	$17436_{11/2}$ – $66703°_{11/2}$	–0.002		0.0007	1
2029.99476	82	49245.361	49245.361	$6147_{9/2}$ – $55392°_{9/2}$	0.000		0.00008	1
2030.321	25	49237.45	49237.698	$25209_{9/2}$ – $74446°_{9/2}$	–0.25		0.013	5
2030.8804	4	49223.889	49223.900	$10592_{3/2}$ – $59816°_{3/2}$	–0.011		0.0014	1
2031.008	3*p*	49220.798	49220.781	$16234_{5/2}$ – $65455°_{7/2}$	0.017		0.003	1
2031.4631	21	49209.771	49209.773	$15146_{7/2}$ – $64356°_{7/2}$	–0.002		0.0003	1
2032.174	2	49192.559	49192.575	$7420_{5/2}$ – $56612°_{7/2}$	–0.016		0.003	1
2032.9016	5	49174.956	49174.962	$8832_{1/2}$ – $58007°_{3/2}$	–0.006		0.0012	1
2032.954	3	49173.698	49173.708	$11301_{5/2}$ – $60474°_{5/2}$	–0.010		0.002	1
2032.967	15	49173.37	49172.928	$18000_{7/2}$ – $67173°_{5/2}$	0.44		0.013	5
2033.2405	5	49166.759	49166.803	$23234_{9/2}$ – $72401°_{9/2}$	–0.044		0.0014	1
2033.3905	12	49163.134	49163.137	$15146_{7/2}$ – $64310°_{5/2}$	–0.003		0.0005	1
2033.7483	8	49154.486	49154.484	$0_{1/2}$ – $49154°_{1/2}$	0.002		0.0007	1
2033.9698	5	49149.132	49149.151	$13411_{7/2}$ – $62561°_{7/2}$	–0.019		0.0012	1
2034.886	3	49127.015	49127.020	$13434_{5/2}$ – $62561°_{7/2}$	–0.005		0.002	1
2035.001	3	49124.240	49124.247	$7420_{5/2}$ – $56544°_{5/2}$	–0.007		0.002	1
2035.0430	21	49123.217	49123.213	$11301_{5/2}$ – $60424°_{7/2}$	0.004		0.0003	1
2035.88856	93	49102.818	49102.818	$3172_{5/2}$ – $52275°_{7/2}$	0.000		0.00008	1
2036.209	5	49095.08	49095.495	$19403_{1/2}$ – $68499°_{3/2}$	–0.42		0.013	5
2036.404	25*bl*	49090.37	49090.881	$16553_{9/2}$ – $65643°_{7/2}$	–0.51		0.013	5
2037.8996	11	49054.369	49054.365	$16589_{7/2}$ – $65643°_{7/2}$	0.004		0.0005	1
2037.9314	8	49053.604	49053.601	$20534_{11/2}$ – $69587°_{11/2}$	0.003		0.0007	1
2038.995	3	49028.023	49028.027	$18000_{7/2}$ – $67028°_{9/2}$	–0.004		0.002	1
2039.1139	4	49025.160	49025.147	$13411_{7/2}$ – $62437°_{9/2}$	0.013		0.0013	1
2040.8731	12	48982.907	48982.939	$0_{1/2}$ – $48982°_{3/2}$	–0.032	2.48e+7	0.0005	1w,7t
2042.015	4	48955.526	48955.523	$11301_{5/2}$ – $60256°_{7/2}$	0.003		0.002	1
2042.4188	6	48945.842	48945.854	$23234_{9/2}$ – $72180°_{11/2}$	–0.012		0.0010	1
2042.5763	9	48942.068	48942.077	$19070_{9/2}$ – $68012°_{11/2}$	–0.009		0.0008	1
2043.0347	5	48931.090	48931.082	$14857_{9/2}$ – $63788°_{7/2}$	0.008		0.0012	1
2043.4431	5	48921.311	48921.308	$13411_{7/2}$ – $62333°_{5/2}$	0.003		0.0014	1
2043.5432	40	48918.916	48918.916	$13411_{7/2}$ – $62330°_{9/2}$	0.000		0.0002	1
2043.7220	14	48914.636	48914.637	$3172_{5/2}$ – $52087°_{5/2}$	–0.001		0.0004	1
2043.824	25	48912.18	48912.170	$1518_{3/2}$ – $50430°_{3/2}$	0.01		0.013	5
2044.253	5	48901.94	48902.409	$16553_{9/2}$ – $65455°_{7/2}$	–0.47		0.013	5
2044.300	5	48900.80	48901.353	$24804_{7/2}$ – $73705°_{9/2}$	–0.55		0.013	5
2044.3673	6	48899.198	48899.177	$13434_{5/2}$ – $62333°_{5/2}$	0.021		0.0009	1
2044.446	5	48897.32	48897.432	$18000_{7/2}$ – $66898°_{7/2}$	–0.11		0.013	5
2044.707	5	48891.06	48891.409	$16589_{7/2}$ – $65481°_{5/2}$	–0.35		0.013	5
2045.3442	10	48875.846	48875.847	$6147_{9/2}$ – $55022°_{7/2}$	–0.001		0.0006	1
2047.0940	18	48834.075	48834.071	$17436_{11/2}$ – $66271°_{9/2}$	0.004		0.0003	1
2048.0413	19	48811.490	48811.488	$6147_{9/2}$ – $54958°_{11/2}$	0.002		0.0003	1
2048.210	3	48807.464	48807.434	$20780_{9/2}$ – $69587°_{11/2}$	0.030		0.002	1
2048.260	15	48806.27	48806.476	$19637_{5/2}$ – $68443°_{5/2}$	–0.21		0.013	5

TABLE 6. Observed lines of W II—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	σ_{calc} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	λ_{unc} (Å)[4]	Ref.[5]
2048.536	5	48799.70	48799.976	$20780_{9/2}$ – $69580°_{7/2}$	–0.28		0.013	5
2048.793	3	48793.583	48793.601	$23803_{7/2}$ – $72597°_{7/2}$	–0.018		0.002	1
2049.447	3	48778.013	48778.005	$10592_{3/2}$ – $59370°_{3/2}$	0.008		0.002	1
2049.5012	8	48776.724	48776.721	$19070_{9/2}$ – $67847°_{9/2}$	0.003		0.0007	1
2049.63568	52	48773.525	48773.525	$1518_{3/2}$ – $50292°_{5/2}$	0.000	7.49e+7	0.00013	1w,7t
2050.3867	5	48755.662	48755.668	$16234_{5/2}$ – $64990°_{5/2}$	–0.006		0.0012	1
2051.337	5	48733.08	48733.288	$15146_{7/2}$ – $63880°_{5/2}$	–0.21		0.013	5
2051.6771	4	48725.001	48725.013	$19637_{5/2}$ – $68362°_{7/2}$	–0.012		0.0015	1
2053.1298	11	48690.530	48690.526	$3172_{5/2}$ – $51862°_{7/2}$	0.004		0.0005	1
2054.366	9	48661.23	48661.610	$16234_{5/2}$ – $64896°_{7/2}$	–0.38		0.013	5
2054.68284	80	48653.733	48653.733	$4716_{7/2}$ – $53370°_{9/2}$	0.000		0.00008	1
2055.209	3	48641.279	48641.265	$15146_{7/2}$ – $63788°_{7/2}$	0.014		0.002	1
2055.572	15	48632.68	48632.668	$11301_{5/2}$ – $59933°_{7/2}$	0.01		0.013	5
2055.989	9	48622.82	48622.925	$24804_{7/2}$ – $73427°_{7/2}$	–0.10		0.013	5
2056.0333	5	48621.779	48621.797	$4716_{7/2}$ – $53338°_{7/2}$	–0.018		0.0011	1
2056.771	5	48604.33	48604.823	$20455_{3/2}$ – $69060°_{5/2}$	–0.49		0.013	5
2056.8458	7	48602.576	48602.546	$23955_{11/2}$ – $72557°_{9/2}$	0.030		0.0009	1
2057.052	5	48597.70	48597.879	$23803_{7/2}$ – $72401°_{9/2}$	–0.18		0.013	5
2057.7894	6	48580.292	48580.308	$20039_{7/2}$ – $68619°_{7/2}$	–0.016		0.0011	1
2058.1590	8	48571.569	48571.584	$20534_{11/2}$ – $69105°_{9/2}$	–0.015		0.0008	1
2058.3053	17	48568.118	48568.126	$11301_{5/2}$ – $59869°_{7/2}$	–0.008		0.0004	1
2059.0468	4	48550.630	48550.614	$23234_{9/2}$ – $71785°_{9/2}$	0.016		0.0015	1
2059.4614	6	48540.857	48540.864	$8711_{3/2}$ – $57252°_{5/2}$	–0.007		0.0010	1
2059.739	5	48534.31	48534.323	$22139_{5/2}$ – $70674°_{7/2}$	–0.01		0.013	5
2061.158	3	48500.897	48500.872	$20534_{11/2}$ – $69035°_{13/2}$	0.025		0.002	1
2061.354	5	48496.29	48496.732	$25209_{9/2}$ – $73705°_{9/2}$	–0.44		0.013	5
2062.0415	5	48480.128	48480.153	$22194_{7/2}$ – $70674°_{7/2}$	–0.025		0.0013	1
2063.336	5	48449.70	48450.205	$16553_{9/2}$ – $65003°_{9/2}$	–0.51		0.013	5
2063.4852	4	48446.215	48446.232	$23955_{11/2}$ – $72401°_{9/2}$	–0.017		0.0015	1
2064.7694	9	48416.088	48416.085	$16553_{9/2}$ – $64969°_{11/2}$	0.003		0.0007	1
2064.866	15*d*	48413.82	48413.689	$16589_{7/2}$ – $65003°_{9/2}$	0.13		0.013	5
2065.059	3	48409.288	48409.299	$14857_{9/2}$ – $63266°_{7/2}$	–0.011		0.002	1
2065.2797	5	48404.126	48404.103	$20039_{7/2}$ – $68443°_{5/2}$	0.023		0.0012	1
2065.5730	38	48397.254	48397.255	$4716_{7/2}$ – $53113°_{5/2}$	–0.001		0.0002	1
2067.5268	23	48351.524	48351.523	$6147_{9/2}$ – $54498°_{7/2}$	0.001		0.0003	1
2067.8814	7	48343.233	48343.238	$16553_{9/2}$ – $64896°_{7/2}$	–0.005		0.0009	1
2068.6442	12	48325.411	48325.417	$20780_{9/2}$ – $69105°_{9/2}$	–0.006		0.0005	1
2069.448	9	48306.64	48306.722	$16589_{7/2}$ – $64896°_{7/2}$	–0.08		0.013	5
2069.787	3	48298.723	48298.714	$14967_{5/2}$ – $63266°_{7/2}$	0.009		0.002	1
2071.20831	57	48265.592	48265.591	$3172_{5/2}$ – $51438°_{5/2}$	0.001		0.00013	1
2071.9669	5	48247.923	48247.934	$17436_{11/2}$ – $65684°_{11/2}$	–0.011		0.0012	1
2072.939	3	48225.290	48225.283	$23955_{11/2}$ – $72180°_{11/2}$	0.007		0.002	1
2073.108	9	48221.37	48221.071	$8711_{3/2}$ – $56932°_{3/2}$	0.30		0.013	5
2074.008	3	48200.443	48200.472	$20534_{11/2}$ – $68734°_{9/2}$	–0.029		0.002	1
2074.6504	14	48185.523	48185.516	$4716_{7/2}$ – $52901°_{7/2}$	0.007		0.0004	1
2074.7745	6	48182.641	48182.626	$18990_{3/2}$ – $67173°_{5/2}$	0.015		0.0012	1

TABLE 6. Observed lines of W II—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	σ_{calc} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	λ_{unc} (Å)[4]	Ref.[5]
2075.4473	7	48167.024	48167.028	$14967_{5/2}$ – $63134°_{3/2}$	–0.004		0.0009	1
2075.5902	28	48163.709	48163.709	$8711_{3/2}$ – $56874°_{5/2}$	0.000		0.0003	1
2075.9411	6	48155.569	48155.557	$10592_{3/2}$ – $58748°_{3/2}$	0.012		0.0010	1
2075.9693	6	48154.914	48154.915	$13411_{7/2}$ – $61566°_{5/2}$	–0.001		0.0009	1
2076.446	3	48143.868	48143.869	$18000_{7/2}$ – $66144°_{5/2}$	–0.001		0.002	1
2076.925	2	48132.757	48132.784	$13434_{5/2}$ – $61566°_{5/2}$	–0.027		0.003	1
2077.400	15	48121.75	48122.035	$16234_{5/2}$ – $64356°_{7/2}$	–0.28		0.013	5
2077.484	9*bl*	48119.80	48119.482	$15146_{7/2}$ – $63266°_{7/2}$	0.32		0.013	5
2077.624	4	48116.559	48116.579	$13434_{5/2}$ – $61550°_{7/2}$	–0.020		0.002	1
2077.9357	20	48109.351	48109.354	$14857_{9/2}$ – $62966°_{11/2}$	–0.003		0.0003	1
2078.344	250*bl,d*	48099.89	48099.617	$8832_{1/2}$ – $56932°_{3/2}$	0.27		0.013	5
2078.761	9	48090.24	48090.354	$14634_{3/2}$ – $62724°_{3/2}$	–0.11		0.013	5
2079.11801	296	48081.996	48081.997	$6147_{9/2}$ – $54229°_{11/2}$	–0.001	3.74e+8	0.00004	1w,7t
			48081.956	$3172_{5/2}$ – $51254°_{3/2}$	0.040			1
2079.571	5	48071.51	48071.939	$22139_{5/2}$ – $70211°_{7/2}$	–0.43		0.013	5
2079.6595	5	48069.478	48069.466	$11301_{5/2}$ – $59370°_{3/2}$	0.012		0.0013	1
2079.739	5	48067.63	48067.873	$7420_{5/2}$ – $55488°_{3/2}$	–0.24		0.013	5
2080.790	9	48043.35	48043.598	$20455_{3/2}$ – $68499°_{3/2}$	–0.25		0.013	5
2081.5344	7	48026.185	48026.176	$18000_{7/2}$ – $66026°_{7/2}$	0.009		0.0009	1
2081.791	9	48020.25	48020.447	$16234_{5/2}$ – $64255°_{3/2}$	–0.20		0.013	5
2082.2248	7	48010.264	48010.254	$23234_{9/2}$ – $71245°_{9/2}$	0.010		0.0010	1
2083.194	2	47987.933	47987.897	$20455_{3/2}$ – $68443°_{5/2}$	0.036		0.003	1
2083.484	5	47981.25	47981.690	$23803_{7/2}$ – $71785°_{9/2}$	–0.44		0.013	5
2083.7187	6	47975.849	47975.830	$11301_{5/2}$ – $59276°_{7/2}$	0.019		0.0011	1
2084.2714	7	47963.127	47963.139	$16553_{9/2}$ – $64516°_{9/2}$	–0.012		0.0009	1
2084.4898	7	47958.104	47958.104	$19070_{9/2}$ – $67028°_{9/2}$	0.000		0.0009	1
2084.656	4	47954.290	47954.305	$20780_{9/2}$ – $68734°_{9/2}$	–0.015		0.002	1
2084.9017	5	47948.630	47948.639	$13411_{7/2}$ – $61360°_{9/2}$	–0.009		0.0012	1
2085.0889	10	47944.325	47944.325	$13173_{1/2}$ – $61117°_{3/2}$	0.000		0.0006	1
2085.759	5	47928.91	47929.396	$23234_{9/2}$ – $71164°_{11/2}$	–0.49		0.013	5
2086.605	3	47909.491	47909.509	$6147_{9/2}$ – $54056°_{9/2}$	–0.018		0.002	1
2087.152	9	47896.94	47897.124	$19276_{5/2}$ – $67173°_{5/2}$	–0.18		0.013	5
2087.3578	4	47892.217	47892.211	$13434_{5/2}$ – $61326°_{7/2}$	0.006		0.0015	1
2087.4712	13	47889.615	47889.614	$17436_{11/2}$ – $65326°_{11/2}$	0.001		0.0005	1
2088.20372	125	47872.819	47872.819	$3172_{5/2}$ – $51045°_{7/2}$	0.000		0.00009	1
2088.949	3	47855.752	47855.746	$23046_{7/2}$ – $70902°_{9/2}$	0.006		0.002	1
2089.15610	78	47850.998	47850.998	$4716_{7/2}$ – $52567°_{9/2}$	0.000		0.00009	1
2089.519	4	47842.688	47842.662	$15146_{7/2}$ – $62989°_{5/2}$	0.026		0.002	1
2089.952	5	47832.78	47833.234	$8711_{3/2}$ – $56544°_{5/2}$	–0.45		0.013	5
2090.0715	6	47830.043	47830.043	$23955_{11/2}$ – $71785°_{9/2}$	0.000		0.0010	1
2090.1822	20	47827.510	47827.509	$19070_{9/2}$ – $66898°_{7/2}$	0.001		0.0003	1
2090.515	5	47819.88	47820.223	$14634_{3/2}$ – $62454°_{3/2}$	–0.34		0.013	5
2091.225	2	47803.657	47803.663	$16553_{9/2}$ – $64356°_{7/2}$	–0.006		0.003	1
2091.586	9	47795.40	47795.796	$16234_{5/2}$ – $64030°_{5/2}$	–0.40		0.013	5
2091.704	2	47792.716	47792.691	$24804_{7/2}$ – $72597°_{7/2}$	0.025		0.003	1

TABLE 6. Observed lines of W II—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	σ_{calc} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	λ_{unc} (Å)[4]	Ref.[5]
2093.431	3	47753.299	47753.283	$24804_{7/2}$ – $72557°_{9/2}$	0.016		0.002	1
2093.763	4	47745.718	47745.740	$19070_{9/2}$ – $66816°_{9/2}$	–0.022		0.002	1
2093.8122	22	47744.604	47744.611	$10592_{3/2}$ – $58337°_{5/2}$	–0.007		0.0003	1
2094.75078	142	47723.213	47723.213	$1518_{3/2}$ – $49242°_{5/2}$	0.000	1.76e+8	0.00004	1w,7t
2094.8694	10	47720.512	47720.511	$16589_{7/2}$ – $64310°_{5/2}$	0.001		0.0006	1
2095.0546	5	47716.292	47716.314	$10592_{3/2}$ – $58308°_{1/2}$	–0.022		0.0014	1
2095.5975	20	47703.933	47703.930	$14857_{9/2}$ – $62561°_{7/2}$	0.003		0.0003	1
2097.1911	5	47667.689	47667.692	$23234_{9/2}$ – $70902°_{9/2}$	–0.003		0.0012	1
2097.772	2	47654.490	47654.498	$16553_{9/2}$ – $64207°_{9/2}$	–0.008		0.003	1
2098.165	4	47645.569	47645.550	$16234_{5/2}$ – $63880°_{5/2}$	0.019		0.002	1
2098.2381	23	47643.906	47643.910	$13411_{7/2}$ – $61055°_{9/2}$	–0.004		0.0003	1
2098.60156	90	47635.655	47635.655	$1518_{3/2}$ – $49154°_{1/2}$	0.000		0.00009	1
2098.7226	13	47632.907	47632.907	$19070_{9/2}$ – $66703°_{11/2}$	0.000		0.0005	1
2099.2202	5	47621.618	47621.628	$19276_{5/2}$ – $66898°_{7/2}$	–0.010		0.0011	1
2099.400	5*bl*	47617.52	47617.982	$16589_{7/2}$ – $64207°_{9/2}$	–0.46		0.013	5
2100.309	4	47596.940	47596.969	$24804_{7/2}$ – $72401°_{9/2}$	–0.029		0.002	1
2100.6747	39	47588.649	47588.647	$0_{1/2}$ – $47588°_{3/2}$	0.002	6.27e+7	0.0002	1w,7t
2100.979	9	47581.76	47581.964	$20780_{9/2}$ – $68362°_{7/2}$	–0.20		0.013	5
2101.060	4	47579.918	47579.926	$14857_{9/2}$ – $62437°_{9/2}$	–0.008		0.002	1
2101.6589	6	47566.366	47566.360	$17436_{11/2}$ – $65003°_{9/2}$	0.006		0.0010	1
2101.9837	6	47559.017	47559.013	$4716_{7/2}$ – $52275°_{7/2}$	0.004		0.0010	1
2102.226	4	47553.526	47553.527	$16234_{5/2}$ – $63788°_{7/2}$	–0.001		0.002	1
2102.4979	4	47547.387	47547.384	$26158_{9/2}$ – $73705°_{9/2}$	0.003		0.0015	1
2102.990	4	47536.254	47536.246	$19637_{5/2}$ – $67173°_{5/2}$	0.008		0.002	1
2103.1680	29	47532.240	47532.240	$17436_{11/2}$ – $64969°_{11/2}$	0.000		0.0002	1
2104.7394	5	47496.756	47496.771	$14634_{3/2}$ – $62131°_{1/2}$	–0.015		0.0012	1
2105.0794	5	47489.087	47489.084	$13411_{7/2}$ – $60901°_{5/2}$	0.003		0.0013	1
2105.551	15*bl*	47478.44	47478.436	$20534_{11/2}$ – $68012°_{11/2}$	0.00		0.013	5
2105.7620	31	47473.695	47473.695	$14857_{9/2}$ – $62330°_{9/2}$	0.000		0.0002	1
2106.0618	6	47466.938	47466.953	$13434_{5/2}$ – $60901°_{5/2}$	–0.015		0.0011	1
2106.18717	64	47464.112	47464.110	$1518_{3/2}$ – $48982°_{3/2}$	0.002	8.04e+7	0.00013	1w,7t
2106.5975	5	47454.869	47454.869	$18000_{7/2}$ – $65455°_{7/2}$	0.000		0.0012	1
2106.9462	4	47447.016	47447.018	$11301_{5/2}$ – $58748°_{3/2}$	–0.002		0.0014	1
2107.243	9	47440.32	47440.473	$22139_{5/2}$ – $69580°_{7/2}$	–0.15		0.013	5
2107.283	3	47439.438	47439.406	$23234_{9/2}$ – $70674°_{7/2}$	0.032		0.003	1
2108.359	3	47415.227	47415.205	$10592_{3/2}$ – $58007°_{3/2}$	0.022		0.002	1
2108.4087	8	47414.107	47414.113	$15146_{7/2}$ – $62561°_{7/2}$	–0.006		0.0008	1
2108.652	3	47408.633	47408.590	$11301_{5/2}$ – $58709°_{7/2}$	0.043		0.002	1
2110.237	3	47373.037	47373.052	$8711_{3/2}$ – $56084°_{3/2}$	–0.015		0.002	1
2110.3351	41	47370.830	47370.832	$4716_{7/2}$ – $52087°_{5/2}$	–0.002		0.0002	1
2111.3232	5	47348.664	47348.662	$25209_{9/2}$ – $72557°_{9/2}$	0.002		0.0014	1
2111.639	15	47341.59	47341.851	$22139_{5/2}$ – $69481°_{5/2}$	–0.26		0.013	5
2113.957	9	47289.68	47289.683	$23955_{11/2}$ – $71245°_{9/2}$	0.00		0.013	5
2114.074	15?	47287.05	47287.681	$22194_{7/2}$ – $69481°_{5/2}$	–0.63		0.013	5
2114.883	3	47268.974	47268.956	$26158_{9/2}$ – $73427°_{7/2}$	0.018		0.002	1

TABLE 6. Observed lines of W II—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	σ_{calc} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	λ_{unc} (Å)[4]	Ref.[5]
2115.0940	7	47264.260	47264.274	$10592_{3/2}$ – $57856°_{5/2}$	–0.014		0.0008	1
2115.2406	9	47260.986	47260.991	$19442_{13/2}$ – $66703°_{11/2}$	–0.005		0.0007	1
2115.3514	7	47258.511	47258.526	$3172_{5/2}$ – $50430°_{3/2}$	–0.015		0.0009	1
2115.670	9	47251.38	47251.598	$8832_{1/2}$ – $56084°_{3/2}$	–0.22		0.013	5
2116.3322	15	47236.612	47236.606	$11301_{5/2}$ – $58537°_{7/2}$	0.006		0.0004	1
2116.395	25	47235.21	47235.155	$16553_{9/2}$ – $63788°_{7/2}$	0.06		0.013	5
2116.5712	10	47231.279	47231.286	$13434_{5/2}$ – $60665°_{3/2}$	–0.007		0.0006	1
2116.9455	12	47222.928	47222.926	$6147_{9/2}$ – $53370°_{9/2}$	0.002		0.0006	1
2116.966	4	47222.478	47222.470	$13434_{5/2}$ – $60656°_{5/2}$	0.008		0.002	1
2118.0349	24	47198.642	47198.639	$16589_{7/2}$ – $63788°_{7/2}$	0.003		0.0003	1
2118.605	5	47185.94	47186.270	$15146_{7/2}$ – $62333°_{5/2}$	–0.33		0.013	5
2118.87440	80	47179.944	47179.941	$0_{1/2}$ – $47179°_{3/2}$	0.003	6.70e+7	0.00009	1w,7t
2120.0598	10	47153.567	47153.567	$18990_{3/2}$ – $66144°_{5/2}$	0.000		0.0006	1
2120.9456	9	47133.875	47133.873	$20039_{7/2}$ – $67173°_{5/2}$	0.002		0.0007	1
2121.5753	15	47119.889	47119.881	$3172_{5/2}$ – $50292°_{5/2}$	0.008	1.67e+7	0.0004	1w,7t
2122.148	9?	47107.16	47107.736	$26158_{9/2}$ – $73266°_{11/2}$	–0.58		0.013	5
2123.4051	5	47079.288	47079.294	$17436_{11/2}$ – $64516°_{9/2}$	–0.006		0.0014	1
2123.448	4	47078.345	47078.347	$7420_{5/2}$ – $54498°_{7/2}$	–0.002		0.002	1
2125.356	3	47036.075	47036.072	$11301_{5/2}$ – $58337°_{5/2}$	0.003		0.002	1
2125.5518	9	47031.747	47031.744	$16234_{5/2}$ – $63266°_{7/2}$	0.003		0.0007	1
2126.868	3	47002.650	47002.665	$18000_{7/2}$ – $65003°_{9/2}$	–0.015		0.002	1
2127.4324	12	46990.175	46990.167	$13434_{5/2}$ – $60424°_{7/2}$	0.008		0.0005	1
2127.873	5	46980.45	46980.780	$24804_{7/2}$ – $71785°_{9/2}$	–0.33		0.013	5
2127.9489	7	46978.772	46978.761	$22502_{3/2}$ – $69481°_{5/2}$	0.011		0.0009	1
2128.293	5	46971.18	46971.399	$25209_{9/2}$ – $72180°_{11/2}$	–0.22		0.013	5
2129.001	3	46955.555	46955.598	$7420_{5/2}$ – $54375°_{5/2}$	–0.043		0.002	1
2129.357	15?	46947.70	46947.121	$23955_{11/2}$ – $70902°_{9/2}$	0.58		0.013	5
2130.046	4	46932.529	46932.518	$14634_{3/2}$ – $61566°_{5/2}$	0.011		0.002	1
2130.5757	10	46920.858	46920.850	$22139_{5/2}$ – $69060°_{5/2}$	0.008		0.0007	1
2131.5200	5	46900.073	46900.058	$16234_{5/2}$ – $63134°_{3/2}$	0.015		0.0012	1
2131.7179	5	46895.719	46895.698	$18000_{7/2}$ – $64896°_{7/2}$	0.021		0.0012	1
2132.883	5	46870.10	46870.482	$23803_{7/2}$ – $70674°_{7/2}$	–0.38		0.013	5
2132.984	9	46867.88	46868.065	$19276_{5/2}$ – $66144°_{5/2}$	–0.19		0.013	5
2133.034	2	46866.795	46866.787	$13411_{7/2}$ – $60278°_{9/2}$	0.008		0.004	1
2133.060	50*bl*	46866.20	46866.680	$22194_{7/2}$ – $69060°_{5/2}$	–0.48		0.013	5
2134.0464	18*bl*	46844.556	46844.608	$13411_{7/2}$ – $60256°_{7/2}$	–0.052		0.0004	1
2135.041	150*bl,d*	46822.73	46822.477	$13434_{5/2}$ – $60256°_{7/2}$	0.25		0.013	5
2137.1311	10	46776.950	46776.957	$26929_{11/2}$ – $73705°_{9/2}$	–0.007		0.0006	1
2137.1464	7	46776.615	46776.608	$20039_{7/2}$ – $66816°_{9/2}$	0.007		0.0009	1
2137.6466	22	46765.670	46765.669	$1518_{3/2}$ – $48284°_{5/2}$	0.001		0.0003	1
2137.844	3	46761.356	46761.382	$23450_{5/2}$ – $70211°_{7/2}$	–0.026		0.002	1
2138.147	67*bl*	46754.723	46754.924	$16234_{5/2}$ – $62989°_{5/2}$	–0.201		0.002	1
			46754.709	$6147_{9/2}$ – $52901°_{7/2}$	0.014			1
2139.1730	33	46732.305	46732.297	$14857_{9/2}$ – $61589°_{11/2}$	0.008		0.0002	1
2139.6546	6	46721.787	46721.786	$4716_{7/2}$ – $51438°_{5/2}$	0.001		0.0010	1

TABLE 6. Observed lines of W II—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	σ_{calc} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	λ_{unc} (Å)[4]	Ref.[5]
2139.891	5	46716.63	46716.964	$7420_{5/2}$ – $54137°_{3/2}$	–0.33		0.013	5
2140.0404	10	46713.366	46713.372	$16553_{9/2}$ – $63266°_{7/2}$	–0.006		0.0006	1
2140.970	5	46693.07	46693.489	$14857_{9/2}$ – $61550°_{7/2}$	–0.42		0.013	5
2141.688	5?	46677.42	46676.856	$16589_{7/2}$ – $63266°_{7/2}$	0.56		0.013	5
2142.5046	12	46659.645	46659.653	$10592_{3/2}$ – $57252°_{5/2}$	–0.008		0.0006	1
2143.266	7*bl*	46643.065	46643.048	$13173_{1/2}$ – $59816°_{3/2}$	0.017		0.002	1
2144.0837	27	46625.285	46625.281	$0_{1/2}$ – $46625°_{1/2}$	0.004		0.0003	1
2145.2877	10	46599.119	46599.109	$14967_{5/2}$ – $61566°_{5/2}$	0.010		0.0006	1
2146.0347	10	46582.900	46582.904	$14967_{5/2}$ – $61550°_{7/2}$	–0.004		0.0006	1
2146.150	21*bl*	46580.406	46580.440	$13411_{7/2}$ – $59992°_{5/2}$	–0.034		0.003	1
2146.3461	10	46576.143	46576.159	$25209_{9/2}$ – $71785°_{9/2}$	–0.016		0.0007	1
2146.507	15?	46572.66	46573.418	$19070_{9/2}$ – $65643°_{7/2}$	–0.76		0.013	5
2147.192	5	46557.80	46557.760	$22502_{3/2}$ – $69060°_{5/2}$	0.04		0.013	5
2147.286	4	46555.750	46555.735	$11301_{5/2}$ – $57856°_{5/2}$	0.015		0.002	1
2147.9844	7	46540.624	46540.632	$22194_{7/2}$ – $68734°_{9/2}$	–0.008		0.0009	1
2148.300	5	46533.79	46533.610	$23046_{7/2}$ – $69580°_{7/2}$	0.18		0.013	5
2148.8564	5	46521.739	46521.753	$13411_{7/2}$ – $59933°_{7/2}$	–0.014		0.0012	1
2149.1398	13	46515.604	46515.599	$18000_{7/2}$ – $64516°_{9/2}$	0.005		0.0005	1
2149.529	2	46507.183	46507.187	$19637_{5/2}$ – $66144°_{5/2}$	–0.004		0.004	1
2149.704	2	46503.392	46503.418	$14857_{9/2}$ – $61360°_{9/2}$	–0.026		0.003	1
2150.326	4	46489.959	46489.975	$16234_{5/2}$ – $62724°_{3/2}$	–0.016		0.002	1
2150.785	5	46480.02	46480.129	$22139_{5/2}$ – $68619°_{7/2}$	–0.11		0.013	5
2151.268	5?	46469.58	46469.121	$14857_{9/2}$ – $61326°_{7/2}$	0.46		0.013	5
2151.8419	5	46457.202	46457.211	$13411_{7/2}$ – $59869°_{7/2}$	–0.009		0.0013	1
2152.1247	10	46451.098	46451.116	$8711_{3/2}$ – $55162°_{5/2}$	–0.018		0.0007	1
2152.6192	6	46440.428	46440.420	$24804_{7/2}$ – $71245°_{9/2}$	0.008		0.0011	1
2152.692	9	46438.85	46438.722	$26158_{9/2}$ – $72597°_{7/2}$	0.13		0.013	5
2152.871	3	46434.996	46434.988	$23046_{7/2}$ – $69481°_{5/2}$	0.008		0.002	1
2153.001	3	46432.190	46432.212	$27273_{7/2}$ – $73705°_{9/2}$	–0.022		0.002	1
2153.151	4	46428.962	46428.970	$11301_{5/2}$ – $57729°_{7/2}$	–0.008		0.002	1
2153.55777	103	46420.190	46420.191	$6147_{9/2}$ – $52567°_{9/2}$	–0.001		0.00009	1
2153.8726	28*p*	46413.406	46413.427	$16553_{9/2}$ – $62966°_{11/2}$	–0.021		0.0002	1
2154.120	3	46408.084	46408.098	$23803_{7/2}$ – $70211°_{7/2}$	–0.014		0.002	1
2154.3245	5	46403.671	46403.672	$15146_{7/2}$ – $61550°_{7/2}$	–0.001		0.0014	1
2154.4921	4	46400.061	46400.036	$16589_{7/2}$ – $62989°_{5/2}$	0.025		0.0014	1
2155.322	9	46382.19	46382.315	$13434_{5/2}$ – $59816°_{3/2}$	–0.12		0.013	5
2156.001	3*w*	46367.591	46367.537	$19276_{5/2}$ – $65643°_{7/2}$	0.054		0.007	1
2156.372	4	46359.624	46359.625	$22139_{5/2}$ – $68499°_{3/2}$	–0.001		0.002	1
2156.4222	41	46358.536	46358.536	$14967_{5/2}$ – $61326°_{7/2}$	0.000		0.0002	1
2156.534	9	46356.13	46356.123	$18000_{7/2}$ – $64356°_{7/2}$	0.01		0.013	5
2156.6789	8	46353.018	46353.014	$23234_{9/2}$ – $69587°_{11/2}$	0.004		0.0007	1
2157.027	2	46345.545	46345.556	$23234_{9/2}$ – $69580°_{7/2}$	–0.011		0.003	1
2157.4101	14	46337.310	46337.309	$26929_{11/2}$ – $73266°_{11/2}$	0.001		0.0005	1
2157.79656	47	46329.012	46329.014	$4716_{7/2}$ – $51045°_{7/2}$	–0.002		0.00014	1
2159.9655	18	46282.495	46282.498	$10592_{3/2}$ – $56874°_{5/2}$	–0.003		0.0004	1
2160.7040	9	46266.679	46266.687	$14634_{3/2}$ – $60901°_{5/2}$	–0.008		0.0007	1

TABLE 6. Observed lines of W II—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	σ_{calc} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	λ_{unc} (Å)[4]	Ref.[5]
2161.214	9	46255.75	46255.996	$19070_{9/2}$ – $65326°_{11/2}$	–0.25		0.013	5
2161.494	2	46249.772	46249.754	$22194_{7/2}$ – $68443°_{5/2}$	0.018		0.003	1
2161.5626	8	46248.302	46248.296	$20780_{9/2}$ – $67028°_{9/2}$	0.006		0.0008	1
2161.814	9*d*	46242.92	46243.000	$26158_{9/2}$ – $72401°_{9/2}$	–0.08		0.013	5
2162.3563	6	46231.329	46231.321	$20039_{7/2}$ – $66271°_{9/2}$	0.008		0.0010	1
2162.771	3	46222.461	46222.461	$22139_{5/2}$ – $68362°_{7/2}$	0.000		0.002	1
2163.186	3	46213.59	46213.601	$15146_{7/2}$ – $61360°_{9/2}$	–0.01		0.013	5
2163.4973	7	46206.951	46206.958	$18000_{7/2}$ – $64207°_{9/2}$	–0.007		0.0009	1
2163.6080	8	46204.586	46204.581	$19276_{5/2}$ – $65481°_{5/2}$	0.005		0.0007	1
2163.88421	79	46198.689	46198.689	$14857_{9/2}$ – $61055°_{9/2}$	0.000		0.00009	1
2163.9561	14	46197.154	46197.153	$13173_{1/2}$ – $59370°_{3/2}$	0.001		0.0005	1
2164.802	7*bl*	46179.114	46179.304	$15146_{7/2}$ – $61326°_{7/2}$	–0.190		0.003	1
			46179.065	$19276_{5/2}$ – $65455°_{7/2}$	0.049			1
2165.2635	13	46169.263	46169.266	$20534_{11/2}$ – $66703°_{11/2}$	–0.003		0.0005	1
2165.554	182*bl*	46163.066	46163.072	$16553_{9/2}$ – $62716°_{9/2}$	–0.006		0.003	1
2165.989	3	46153.802	46153.784	$27273_{7/2}$ – $73427°_{7/2}$	0.018		0.002	1
2166.170	3	46149.936	46149.917	$14967_{5/2}$ – $61117°_{3/2}$	0.019		0.002	1
2166.31640	158	46146.826	46146.828	$4716_{7/2}$ – $50863°_{9/2}$	–0.002		0.00005	1
2167.1920	7	46128.184	46128.206	$6147_{9/2}$ – $52275°_{7/2}$	–0.022		0.0009	1
2167.2676	9	46126.575	46126.556	$16589_{7/2}$ – $62716°_{9/2}$	0.019		0.0007	1
2167.685	4	46117.703	46117.701	$20780_{9/2}$ – $66898°_{7/2}$	0.002		0.002	1
2168.2908	14	46104.811	46104.814	$20039_{7/2}$ – $66144°_{5/2}$	–0.003		0.0005	1
2168.5860	14	46098.534	46098.532	$16234_{5/2}$ – $62333°_{5/2}$	0.002		0.0005	1
2169.9374	11	46069.828	46069.818	$1518_{3/2}$ – $47588°_{3/2}$	0.010	1.71e+7	0.0006	1w,7t
2170.435	5	46059.26	46059.051	$23046_{7/2}$ – $69105°_{9/2}$	0.21		0.013	5
2171.093	9	46045.30	46045.180	$23955_{11/2}$ – $70000°_{13/2}$	0.12		0.013	5
2171.5359	16*bl*	46035.919	46035.932	$20780_{9/2}$ – $66816°_{9/2}$	–0.013		0.0008	1
			46035.799	$25209_{9/2}$ – $71245°_{9/2}$	0.120			1
2171.7664	14	46031.033	46031.020	$14634_{3/2}$ – $60665°_{3/2}$	0.013		0.0004	1
2172.203	150*bl*	46021.78	46022.051	$26158_{9/2}$ – $72180°_{11/2}$	–0.27		0.013	5
2172.808	3	46008.968	46008.981	$13434_{5/2}$ – $59443°_{5/2}$	–0.013		0.002	1
2172.855	4	46007.982	46008.003	$16553_{9/2}$ – $62561°_{7/2}$	–0.021		0.002	1
2172.9176	6	46006.649	46006.659	$19637_{5/2}$ – $65643°_{7/2}$	–0.010		0.0010	1
2173.258	4	45999.454	45999.454	$18990_{3/2}$ – $64990°_{5/2}$	0.000		0.002	1
2173.5479	39	45993.309	45993.311	$8711_{3/2}$ – $54704°_{5/2}$	–0.002		0.0002	1
2173.829	9*bl*	45987.369	45987.400	$13411_{7/2}$ – $59399°_{9/2}$	–0.031		0.010	1
			45987.121	$20039_{7/2}$ – $66026°_{7/2}$	0.248			1
2175.3629	14	45954.940	45954.941	$25209_{9/2}$ – $71164°_{11/2}$	–0.001		0.0005	1
2175.523	25*d*	45951.54	45952.035	$3172_{5/2}$ – $49124°_{7/2}$	–0.50		0.013	5
			45952.023	$10592_{3/2}$ – $56544°_{5/2}$	–0.46			5
2175.5442	5	45951.111	45951.114	$11301_{5/2}$ – $57252°_{5/2}$	–0.003		0.0013	1
2176.017	5*d*	45941.12	45940.834	$22502_{3/2}$ – $68443°_{5/2}$	0.29		0.013	5
2176.4145	20	45932.737	45932.742	$19070_{9/2}$ – $65003°_{9/2}$	–0.005		0.0003	1
2176.8715	17	45923.096	45923.099	$20780_{9/2}$ – $66703°_{11/2}$	–0.003		0.0004	1
2177.5460	28	45908.873	45908.872	$15146_{7/2}$ – $61055°_{9/2}$	0.001		0.0002	1
2178.033	2	45898.618	45898.622	$19070_{9/2}$ – $64969°_{11/2}$	–0.004		0.004	1

TABLE 6. Observed lines of W II—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	σ_{calc} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	λ_{unc} (Å)[4]	Ref.[5]
2178.724	45	45884.045	45884.080	$19442_{13/2}$ – $65326°_{11/2}$	–0.035		0.002	1
			45883.999	$16553_{9/2}$ – $62437°_{9/2}$	0.046			1
2178.9345	18	45879.621	45879.638	$18000_{7/2}$ – $63880°_{5/2}$	–0.017		0.0004	1
2179.403	7	45869.76	45869.572	$24804_{7/2}$ – $70674°_{7/2}$	0.19		0.013	5
2179.6333	9	45864.913	45864.915	$13411_{7/2}$ – $59276°_{7/2}$	–0.002		0.0007	1
2180.46241	44	45847.475	45847.483	$16589_{7/2}$ – $62437°_{9/2}$	–0.008		0.00014	1
2180.634	15	45843.86	45843.703	$19637_{5/2}$ – $65481°_{5/2}$	0.16		0.013	5
2180.6856	14	45842.782	45842.784	$13434_{5/2}$ – $59276°_{7/2}$	–0.002		0.0005	1
2180.798	2	45840.416	45840.396	$14634_{3/2}$ – $60474°_{5/2}$	0.020		0.003	1
2181.495	3	45825.770	45825.775	$19070_{9/2}$ – $64896°_{7/2}$	–0.005		0.002	1
2181.8569	9	45818.176	45818.187	$19637_{5/2}$ – $65455°_{7/2}$	–0.011		0.0008	1
2181.9966	5	45815.242	45815.243	$28631_{7/2}$ – $74446°_{9/2}$	–0.001		0.0013	1
2182.0916	24	45813.248	45813.244	$18990_{3/2}$ – $64804°_{3/2}$	0.004		0.0003	1
2182.2242	36	45810.464	45810.466	$3172_{5/2}$ – $48982°_{3/2}$	–0.002	3.64e+7	0.0002	1w,7t
2183.3134	29	45787.613	45787.615	$18000_{7/2}$ – $63788°_{7/2}$	–0.002		0.0002	1
2183.840	3	45776.582	45776.632	$23803_{7/2}$ – $69580°_{7/2}$	–0.050		0.002	1
2184.892	5?	45754.52	45754.046	$15146_{7/2}$ – $60901°_{5/2}$	0.47		0.013	5
2185.413	23*bl*	45743.629	45743.644	$16589_{7/2}$ – $62333°_{5/2}$	–0.015		0.002	1
2185.7388	41	45736.811	45736.812	$20534_{11/2}$ – $66271°_{9/2}$	–0.001		0.0002	1
2186.7382	36	45715.909	45715.914	$6147_{9/2}$ – $51862°_{7/2}$	–0.005		0.0002	1
2186.8316	14	45713.958	45713.952	$19276_{5/2}$ – $64990°_{5/2}$	0.006		0.0005	1
2187.616	3	45697.566	45697.611	$14967_{5/2}$ – $60665°_{3/2}$	–0.045		0.002	1
2187.820	9*bl*	45693.30	45693.272	$7420_{5/2}$ – $53113°_{5/2}$	0.03		0.013	5
			45693.237	$25209_{9/2}$ – $70902°_{9/2}$	0.07			5
2188.046	4	45688.592	45688.608	$20455_{3/2}$ – $66144°_{5/2}$	–0.016		0.002	1
2188.5531	8	45678.002	45678.010	$23803_{7/2}$ – $69481°_{5/2}$	–0.008		0.0008	1
2189.1959	23	45664.592	45664.585	$8711_{3/2}$ – $54375°_{5/2}$	0.007		0.0003	1
2189.3011	15	45662.399	45662.406	$19637_{5/2}$ – $65299°_{3/2}$	–0.007		0.0004	1
2189.36272	57	45661.113	45661.112	$1518_{3/2}$ – $47179°_{3/2}$	0.001	4.33e+7	0.00014	1w,7t
2189.50107	120	45658.228	45658.228	$3172_{5/2}$ – $48830°_{7/2}$	0.000		0.00010	1
2189.741	11*w*	45653.217	45653.240	$22194_{7/2}$ – $67847°_{9/2}$	–0.023		0.005	1
2189.84768	88	45651.002	45651.002	$17436_{11/2}$ – $63087°_{13/2}$	0.000		0.00010	1
2190.791	4	45631.348	45631.321	$11301_{5/2}$ – $56932°_{3/2}$	0.027		0.002	1
2190.909	4	45628.884	45628.887	$26929_{11/2}$ – $72557°_{9/2}$	–0.003		0.002	1
2191.3411	13	45619.893	45619.894	$19276_{5/2}$ – $64896°_{7/2}$	–0.001		0.0005	1
2192.0916	16*p*	45604.276	45604.286	$20039_{7/2}$ – $65643°_{7/2}$	–0.010		0.0014	1
2193.4481	31	45576.077	45576.076	$4716_{7/2}$ – $50292°_{5/2}$	0.001	2.35e+7	0.0002	1w,7t
2193.5143	10	45574.700	45574.705	$13173_{1/2}$ – $58748°_{3/2}$	–0.005		0.0006	1
2193.548	11*w*	45573.992	45573.959	$11301_{5/2}$ – $56874°_{5/2}$	0.033		0.010	1
2193.5837	7	45573.260	45573.266	$23046_{7/2}$ – $68619°_{7/2}$	–0.006		0.0011	1
2194.52792	43	45553.653	45553.652	$0_{1/2}$ – $45553°_{3/2}$	0.001	2.71e+7	0.00014	1w,7t
2195.684	5	45529.67	45529.582	$17436_{11/2}$ – $62966°_{11/2}$	0.09		0.013	5
2195.7772	8	45527.738	45527.742	$19276_{5/2}$ – $64804°_{3/2}$	–0.004		0.0009	1
2195.8267	15	45526.711	45526.706	$19442_{13/2}$ – $64969°_{11/2}$	0.005		0.0004	1
2196.7785	10	45506.989	45506.987	$14967_{5/2}$ – $60474°_{5/2}$	0.002		0.0006	1
2197.124	3	45499.837	45499.885	$23234_{9/2}$ – $68734°_{9/2}$	–0.048		0.002	1

TABLE 6. Observed lines of W II—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	σ_{calc} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	λ_{unc} (Å)[4]	Ref.[5]
2197.5101	9	45491.840	45491.841	$10592_{3/2}$ – $56084°_{3/2}$	–0.001		0.0007	1
2198.0081	5	45481.534	45481.533	$7420_{5/2}$ – $52901°_{7/2}$	0.001		0.0014	1
2198.449	9	45472.41	45472.573	$26929_{11/2}$ – $72401°_{9/2}$	–0.16		0.013	5
2198.6827	36	45467.581	45467.578	$11301_{5/2}$ – $56768°_{7/2}$	0.003		0.0002	1
2199.215	9	45456.58	45456.492	$14967_{5/2}$ – $60424°_{7/2}$	0.09		0.013	5
2199.7434	5	45445.659	45445.676	$19070_{9/2}$ – $64516°_{9/2}$	–0.017		0.0014	1
2199.925	5?	45441.91	45441.330	$20039_{7/2}$ – $65481°_{5/2}$	0.58		0.013	5
2200.711	9	45425.67	45425.951	$8711_{3/2}$ – $54137°_{3/2}$	–0.28		0.013	5
2200.9105	11	45421.562	45421.566	$14857_{9/2}$ – $60278°_{9/2}$	–0.004		0.0006	1
2201.9858	11	45399.383	45399.387	$14857_{9/2}$ – $60256°_{7/2}$	–0.004		0.0006	1
2202.098	4	45397.067	45397.061	$23046_{7/2}$ – $68443°_{5/2}$	0.006		0.002	1
2202.6737	6	45385.206	45385.212	$23234_{9/2}$ – $68619°_{7/2}$	–0.006		0.0012	1
2203.8078	18	45361.853	45361.855	$14857_{9/2}$ – $60219°_{11/2}$	–0.002		0.0004	1
2203.99291	48	45358.044	45358.043	$14634_{3/2}$ – $59992°_{5/2}$	0.001		0.00015	1
2204.48262	276	45347.969	45347.969	$6147_{9/2}$ – $51495°_{11/2}$	0.000		0.00005	1
2205.4665	8	45327.742	45327.755	$15146_{7/2}$ – $60474°_{5/2}$	–0.013		0.0008	1
2205.885	5	45319.13	45319.185	$18990_{3/2}$ – $64310°_{5/2}$	–0.06		0.013	5
2206.0411	7	45315.936	45315.934	$16234_{5/2}$ – $61550°_{7/2}$	0.002		0.0009	1
2206.0849	6	45315.036	45315.035	$8711_{3/2}$ – $54026°_{5/2}$	0.001		0.0011	1
2206.1365	9	45313.977	45313.972	$13434_{5/2}$ – $58748°_{3/2}$	0.005		0.0007	1
2206.248	5	45311.68	45311.812	$11301_{5/2}$ – $56612°_{7/2}$	–0.13		0.013	5
2206.59816	46	45304.497	45304.497	$8832_{1/2}$ – $54137°_{3/2}$	0.000		0.00015	1
2206.717	93*bl*	45302.061	45302.073	$23803_{7/2}$ – $69105°_{9/2}$	–0.012		0.003	1
2206.9309	18	45297.668	45297.675	$13411_{7/2}$ – $58709°_{7/2}$	–0.007		0.0003	1
2207.458	50*bl*	45286.84	45286.200	$19070_{9/2}$ – $64356°_{7/2}$	0.64		0.013	5
2207.830	3	45279.224	45279.227	$17436_{11/2}$ – $62716°_{9/2}$	–0.003		0.002	1
2207.9257	16	45277.260	45277.260	$15146_{7/2}$ – $60424°_{7/2}$	0.000		0.0004	1
2207.9859	20	45276.025	45276.026	$13411_{7/2}$ – $58687°_{9/2}$	–0.001		0.0003	1
2208.0093	9	45275.546	45275.544	$13434_{5/2}$ – $58709°_{7/2}$	0.002		0.0007	1
2208.540	11?	45264.65	45264.233	$18990_{3/2}$ – $64255°_{3/2}$	0.42		0.013	5
2208.8158	16	45259.017	45259.016	$19637_{5/2}$ – $64896°_{7/2}$	0.001		0.0004	1
2209.175	4	45251.651	45251.624	$26929_{11/2}$ – $72180°_{11/2}$	0.027		0.002	1
2209.4296	11	45246.444	45246.445	$20780_{9/2}$ – $66026°_{7/2}$	–0.001		0.0006	1
2209.562	5	45243.73	45243.484	$11301_{5/2}$ – $56544°_{5/2}$	0.25		0.013	5
2212.581	3	45182.000	45182.049	$14634_{3/2}$ – $59816°_{3/2}$	–0.049		0.002	1
2213.188	9	45169.62	45169.572	$23450_{5/2}$ – $68619°_{7/2}$	0.05		0.013	5
2213.326	5	45166.80	45166.864	$19637_{5/2}$ – $64804°_{3/2}$	–0.06		0.013	5
2214.133	5	45150.34	45150.426	$23955_{11/2}$ – $69105°_{9/2}$	–0.09		0.013	5
2214.78564	54	45137.035	45137.035	$19070_{9/2}$ – $64207°_{9/2}$	0.000		0.00015	1
2214.884	9	45135.02	45135.462	$13173_{1/2}$ – $58308°_{1/2}$	–0.44		0.013	5
2215.250	16*bl*	45127.582	45127.828	$27273_{7/2}$ – $72401°_{9/2}$	–0.246		0.003	1
			45127.544	$23234_{9/2}$ – $68362°_{7/2}$	0.038			1
2215.3425	23	45125.691	45125.691	$13411_{7/2}$ – $58537°_{7/2}$	0.000		0.0003	1
2216.01368	87	45112.024	45112.025	$3172_{5/2}$ – $48284°_{5/2}$	–0.001		0.00010	1
2216.2864	6	45106.473	45106.452	$1518_{3/2}$ – $46625°_{1/2}$	0.021		0.0011	1
2216.332	2	45105.538	45105.505	$29341_{9/2}$ – $74446°_{9/2}$	0.033		0.004	1

TABLE 6. Observed lines of W II—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	σ_{calc} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	λ_{unc} (Å)[4]	Ref.[5]
2216.42963	44	45103.559	45103.560	$13434_{5/2}$ – $58537°_{7/2}$	–0.001		0.00015	1
2217.2709	5	45086.448	45086.451	$26158_{9/2}$ – $71245°_{9/2}$	–0.003		0.0015	1
2217.5735	6	45080.296	45080.319	$19276_{5/2}$ – $64356°_{7/2}$	–0.023		0.0011	1
2217.7589	20	45076.528	45076.532	$14857_{9/2}$ – $59933°_{7/2}$	–0.004		0.0003	1
2219.120	9	45048.88	45049.068	$23450_{5/2}$ – $68499°_{3/2}$	–0.19		0.013	5
2219.5786	9	45039.576	45039.582	$18990_{3/2}$ – $64030°_{5/2}$	–0.006		0.0008	1
2219.7365	14	45036.373	45036.370	$16553_{9/2}$ – $61589°_{11/2}$	0.003		0.0005	1
2219.870	5	45033.669	45033.694	$22139_{5/2}$ – $67173°_{5/2}$	–0.025		0.004	1
			45033.683	$19276_{5/2}$ – $64310°_{5/2}$	–0.014			1
2220.9391	41	45011.989	45011.990	$14857_{9/2}$ – $59869°_{7/2}$	–0.001		0.0002	1
2221.4040	6	45002.569	45002.567	$25209_{9/2}$ – $70211°_{7/2}$	0.002		0.0011	1
2221.5231	17	45000.157	45000.154	$17436_{11/2}$ – $62437°_{9/2}$	0.003		0.0004	1
2221.6512	5	44997.562	44997.562	$16553_{9/2}$ – $61550°_{7/2}$	0.000		0.0013	1
2221.860	4	44993.343	44993.367	$23450_{5/2}$ – $68443°_{5/2}$	–0.024		0.002	1
2222.0733	20	44989.016	44989.012	$18000_{7/2}$ – $62989°_{5/2}$	0.004		0.0003	1
2222.5815	21	44978.729	44978.731	$19276_{5/2}$ – $64255°_{3/2}$	–0.002		0.0003	1
2223.214	9	44965.94	44965.947	$14967_{5/2}$ – $59933°_{7/2}$	–0.01		0.013	5
2223.3294	7	44963.600	44963.610	$20039_{7/2}$ – $65003°_{9/2}$	–0.010		0.0009	1
2223.4558	17	44961.045	44961.046	$16589_{7/2}$ – $61550°_{7/2}$	–0.001		0.0004	1
2225.90100	162	44911.659	44911.659	$0_{1/2}$ – $44911°_{3/2}$	0.000	8.51e+7	0.00005	1w,7t
2226.32889	58	44903.028	44903.026	$13434_{5/2}$ – $58337°_{5/2}$	0.002		0.00015	1
2226.4078	14	44901.437	44901.405	$14967_{5/2}$ – $59869°_{7/2}$	0.032		0.0004	1
2226.5679	35	44898.209	44898.207	$6147_{9/2}$ – $51045°_{7/2}$	0.002		0.0002	1
2226.6944	21	44895.659	44895.649	$10592_{3/2}$ – $55488°_{3/2}$	0.010		0.0003	1
2226.78041	51	44893.924	44893.923	$17436_{11/2}$ – $62330°_{9/2}$	0.001		0.00015	1
2227.3250	17	44882.948	44882.947	$16234_{5/2}$ – $61117°_{3/2}$	0.001		0.0004	1
2228.286	3	44863.596	44863.610	$20780_{9/2}$ – $65643°_{7/2}$	–0.014		0.002	1
2228.711	3	44855.039	44855.030	$7420_{5/2}$ – $52275°_{7/2}$	0.009		0.003	1
2228.9031	22	44851.174	44851.171	$19403_{1/2}$ – $64255°_{3/2}$	0.003		0.0003	1
2229.0292	8	44848.636	44848.640	$14967_{5/2}$ – $59816°_{3/2}$	–0.004		0.0008	1
2229.190	3	44845.39	44845.402	$15146_{7/2}$ – $59992°_{5/2}$	–0.01		0.013	5
2229.62885	153	44836.576	44836.575	$1518_{3/2}$ – $46355°_{5/2}$	0.001		0.00005	1
2229.7265	12	44834.612	44834.623	$22194_{7/2}$ – $67028°_{9/2}$	–0.011		0.0006	1
2231.0761	28	44807.494	44807.491	$16553_{9/2}$ – $61360°_{9/2}$	0.003		0.0002	1
2231.423	5	44800.53	44800.547	$23046_{7/2}$ – $67847°_{9/2}$	–0.02		0.013	5
2231.656	3	44795.853	44795.849	$28631_{7/2}$ – $73427°_{7/2}$	0.004		0.002	1
2231.8303	5	44792.354	44792.355	$20534_{11/2}$ – $65326°_{11/2}$	–0.001		0.0013	1
2232.108	5	44786.78	44786.715	$15146_{7/2}$ – $59933°_{7/2}$	0.06		0.013	5
2232.281	3	44783.318	44783.302	$11301_{5/2}$ – $56084°_{3/2}$	0.016		0.002	1
2232.4796	5	44779.328	44779.314	$23955_{11/2}$ – $68734°_{9/2}$	0.014		0.0013	1
2232.5534	7	44777.848	44777.849	$23234_{9/2}$ – $68012°_{11/2}$	–0.001		0.0009	1
2232.659	3	44775.731	44775.722	$24804_{7/2}$ – $69580°_{7/2}$	0.009		0.002	1
2232.787	3	44773.171	44773.194	$16553_{9/2}$ – $61326°_{7/2}$	–0.023		0.002	1
2234.2488	12	44743.872	44743.889	$26158_{9/2}$ – $70902°_{9/2}$	–0.017		0.0005	1
2234.6084	10	44736.672	44736.678	$16589_{7/2}$ – $61326°_{7/2}$	–0.006		0.0006	1
2234.6346	8	44736.148	44736.154	$14634_{3/2}$ – $59370°_{3/2}$	–0.006		0.0008	1

TABLE 6. Observed lines of W II—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	σ_{calc} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	λ_{unc} (Å)[4]	Ref.[5]
2235.3329	13	44722.174	44722.173	$15146_{7/2}$ – $59869°_{7/2}$	0.001		0.0005	1
2235.452	15	44719.79	44719.441	$19637_{5/2}$ – $64356°_{7/2}$	0.35		0.013	5
2235.6405	28	44716.021	44716.021	$6147_{9/2}$ – $50863°_{9/2}$	0.000		0.0003	1
2235.8528	8	44711.777	44711.776	$8711_{3/2}$ – $53423°_{3/2}$	0.001		0.0008	1
2237.0565	50	44687.721	44687.726	$16553_{9/2}$ – $61240°_{11/2}$	–0.005		0.0002	1
2237.5884	11	44677.098	44677.100	$24804_{7/2}$ – $69481°_{5/2}$	–0.002		0.0006	1
2239.4451	5	44640.062	44640.083	$23803_{7/2}$ – $68443°_{5/2}$	–0.021		0.0014	1
2239.77122	65	44633.562	44633.564	$28187_{13/2}$ – $72821°_{15/2}$	–0.002		0.00010	1
2240.560	2	44617.849	44617.853	$19637_{5/2}$ – $64255°_{3/2}$	–0.004		0.004	1
2240.8290	9	44612.495	44612.493	$23234_{9/2}$ – $67847°_{9/2}$	0.002		0.0008	1
2241.0806	53	44607.486	44607.485	$8832_{1/2}$ – $53440°_{1/2}$	0.001		0.0002	1
2241.2646	6	44603.825	44603.834	$19276_{5/2}$ – $63880°_{5/2}$	–0.009		0.0013	1
2242.7145	11	44574.992	44575.000	$13411_{7/2}$ – $57986°_{9/2}$	–0.008		0.0007	1
2242.9703	19	44569.908	44569.905	$10592_{3/2}$ – $55162°_{5/2}$	0.003		0.0004	1
2243.446	4	44560.461	44560.463	$18000_{7/2}$ – $62561°_{7/2}$	–0.002		0.002	1
2244.1644	17	44546.195	44546.188	$20780_{9/2}$ – $65326°_{11/2}$	0.007		0.0004	1
2245.1942	54	44525.766	44525.764	$4716_{7/2}$ – $49242°_{5/2}$	0.002	4.91e+7	0.0002	1w,7t
2245.710	9	44515.53	44515.603	$26158_{9/2}$ – $70674°_{7/2}$	–0.07		0.013	5
2245.905	5	44511.67	44511.811	$19276_{5/2}$ – $63788°_{7/2}$	–0.14		0.013	5
2246.3543	9	44502.774	44502.762	$16553_{9/2}$ – $61055°_{9/2}$	0.012		0.0008	1
2246.6441	53	44497.034	44497.034	$8832_{1/2}$ – $53329°_{3/2}$	0.000		0.0002	1
2247.6796	23	44476.536	44476.544	$20039_{7/2}$ – $64516°_{9/2}$	–0.008		0.0003	1
2247.7420	6	44475.301	44475.306	$14967_{5/2}$ – $59443°_{5/2}$	–0.005		0.0011	1
2248.27515	128	44464.755	44464.756	$4716_{7/2}$ – $49181°_{9/2}$	–0.001		0.00005	1
2248.75783	253	44455.212	44455.212	$0_{1/2}$ – $44455°_{1/2}$	0.000	3.19e+8	0.00005	1w,7t
2249.2834	8	44444.826	44444.820	$13411_{7/2}$ – $57856°_{5/2}$	0.006		0.0008	1
2249.3893	14	44442.733	44442.738	$7420_{5/2}$ – $51862°_{7/2}$	–0.005		0.0005	1
2249.7067	12	44436.464	44436.459	$18000_{7/2}$ – $62437°_{9/2}$	0.005		0.0007	1
2249.7819	19	44434.979	44434.981	$20534_{11/2}$ – $64969°_{11/2}$	–0.002		0.0004	1
2249.88740	249	44432.895	44432.895	$19442_{13/2}$ – $63875°_{15/2}$	0.000		0.00005	1
2250.4481	13	44421.826	44421.825	$16234_{5/2}$ – $60656°_{5/2}$	0.001		0.0005	1
2250.5573	5	44419.670	44419.694	$14857_{9/2}$ – $59276°_{7/2}$	–0.024		0.0013	1
2250.73448	74	44416.174	44416.174	$3172_{5/2}$ – $47588°_{3/2}$	0.000	7.21e+7	0.00010	1w,7t
2251.1372	42	44408.228	44408.230	$4716_{7/2}$ – $49124°_{7/2}$	–0.002		0.0002	1
2251.4396	15	44402.264	44402.259	$8711_{3/2}$ – $53113°_{5/2}$	0.005		0.0006	1
2251.8989	7	44393.209	44393.202	$19637_{5/2}$ – $64030°_{5/2}$	0.007		0.0010	1
2252.649	5	44378.43	44378.559	$25209_{9/2}$ – $69587°_{11/2}$	–0.13		0.013	5
2253.019	4	44371.136	44371.101	$25209_{9/2}$ – $69580°_{7/2}$	0.035		0.002	1
2253.357	5	44364.48	44364.539	$29341_{9/2}$ – $73705°_{9/2}$	–0.06		0.013	5
2254.184	5	44348.21	44348.285	$20455_{3/2}$ – $64804°_{3/2}$	–0.08		0.013	5
2254.9768	26	44332.621	44332.620	$18000_{7/2}$ – $62333°_{5/2}$	0.001		0.0003	1
2255.0986	8	44330.227	44330.228	$18000_{7/2}$ – $62330°_{9/2}$	–0.001		0.0008	1
2255.7199	7	44318.018	44318.055	$13411_{7/2}$ – $57729°_{7/2}$	–0.037		0.0010	1
2255.769	2	44317.058	44317.068	$20039_{7/2}$ – $64356°_{7/2}$	–0.010		0.003	1
2255.8214	9	44316.025	44316.024	$26929_{11/2}$ – $71245°_{9/2}$	0.001		0.0008	1
2256.175	15	44309.07	44309.109	$14967_{5/2}$ – $59276°_{7/2}$	–0.04		0.013	5

TABLE 6. Observed lines of W II—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	σ_{calc} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	λ_{unc} (Å)[4]	Ref.[5]
2256.840	16*p*	44296.019	44296.074	$15146_{7/2}$ – $59443°_{5/2}$	–0.055		0.004	1
2256.8448	59	44295.930	44295.924	$13434_{5/2}$ – $57729°_{7/2}$	0.006		0.0002	1
2257.0929	31	44291.062	44291.059	$26929_{11/2}$ – $71220°_{13/2}$	0.003		0.0003	1
2258.144	4	44270.443	44270.432	$20039_{7/2}$ – $64310°_{5/2}$	0.011		0.002	1
2258.8761	5	44256.100	44256.099	$24804_{7/2}$ – $69060°_{5/2}$	0.001		0.0013	1
2259.0668	22	44252.366	44252.362	$15146_{7/2}$ – $59399°_{9/2}$	0.004		0.0004	1
2259.5474	14	44242.953	44242.956	$19637_{5/2}$ – $63880°_{5/2}$	–0.003		0.0005	1
2259.6573	5	44240.802	44240.797	$3172_{5/2}$ – $47413°_{5/2}$	0.005		0.0013	1
2259.6975	20	44240.016	44240.017	$16234_{5/2}$ – $60474°_{5/2}$	–0.001		0.0004	1
2259.9452	9	44235.167	44235.166	$26929_{11/2}$ – $71164°_{11/2}$	0.001		0.0008	1
2260.5704	9	44222.934	44222.934	$20780_{9/2}$ – $65003°_{9/2}$	0.000		0.0008	1
2261.940	150*bl*	44196.15	44195.909	$19070_{9/2}$ – $63266°_{7/2}$	0.24		0.013	5
2262.2800	10	44189.517	44189.522	$16234_{5/2}$ – $60424°_{7/2}$	–0.005		0.0007	1
2262.317	3	44188.789	44188.814	$20780_{9/2}$ – $64969°_{11/2}$	–0.025		0.003	1
2262.404	2	44187.100	44187.110	$11301_{5/2}$ – $55488°_{3/2}$	–0.010		0.004	1
2262.751	3	44180.311	44180.310	$28377_{11/2}$ – $72557°_{9/2}$	0.001		0.003	1
2263.388	3	44167.890	44167.903	$20039_{7/2}$ – $64207°_{9/2}$	–0.013		0.002	1
2263.51879	127	44165.336	44165.336	$17436_{11/2}$ – $61602°_{13/2}$	0.000		0.00005	1
2264.1757	33	44152.523	44152.525	$17436_{11/2}$ – $61589°_{11/2}$	–0.002		0.0002	1
2265.3379	29	44129.874	44129.877	$15146_{7/2}$ – $59276°_{7/2}$	–0.003		0.0003	1
2265.6574	14	44123.651	44123.657	$23955_{11/2}$ – $68079°_{13/2}$	–0.006		0.0005	1
2266.0520	10	44115.969	44115.967	$20780_{9/2}$ – $64896°_{7/2}$	0.002		0.0007	1
2266.13138	73	44114.423	44114.423	$4716_{7/2}$ – $48830°_{7/2}$	0.000		0.00010	1
2266.2507	52	44112.100	44112.100	$10592_{3/2}$ – $54704°_{5/2}$	0.000		0.0002	1
2267.5869	23	44086.110	44086.111	$29341_{9/2}$ – $73427°_{7/2}$	–0.001		0.0003	1
2268.053	5	44077.05	44076.972	$22194_{7/2}$ – $66271°_{9/2}$	0.08		0.013	5
2268.574	3	44066.929	44066.937	$16589_{7/2}$ – $60656°_{5/2}$	–0.008		0.003	1
2269.071	4	44057.282	44057.278	$23955_{11/2}$ – $68012°_{11/2}$	0.004		0.002	1
2269.260	5*d*	44053.60	44053.219	$26158_{9/2}$ – $70211°_{7/2}$	0.38		0.013	5
2269.778	3	44043.556	44043.569	$23803_{7/2}$ – $67847°_{9/2}$	–0.013		0.003	1
2270.229	70*p*	44034.811	44034.823	$1518_{3/2}$ – $45553°_{3/2}$	–0.012	3.51e+7	0.004	1w,7t
2270.241	110*p*	44034.575	44034.582	$14857_{9/2}$ – $58891°_{11/2}$	–0.007		0.002	1
2270.7866	5	44023.994	44023.996	$28377_{11/2}$ – $72401°_{9/2}$	–0.002		0.0013	1
2270.8982	5	44021.832	44021.832	$16234_{5/2}$ – $60256°_{7/2}$	0.000		0.0013	1
2271.1061	11	44017.802	44017.803	$7420_{5/2}$ – $51438°_{5/2}$	–0.001		0.0007	1
2271.786	3	44004.637	44004.635	$22139_{5/2}$ – $66144°_{5/2}$	0.002		0.002	1
2272.098	15	43998.58	43998.710	$18990_{3/2}$ – $62989°_{5/2}$	–0.13		0.013	5
2272.3836	15	43993.058	43993.054	$28187_{13/2}$ – $72180°_{11/2}$	0.004		0.0005	1
2272.4988	25	43990.828	43990.829	$20039_{7/2}$ – $64030°_{5/2}$	–0.001		0.0003	1
2272.8054	6	43984.894	43984.903	$26226_{5/2}$ – $70211°_{7/2}$	–0.009		0.0013	1
2272.9571	12	43981.960	43982.035	$20534_{11/2}$ – $64516°_{9/2}$	–0.075		0.0012	1
			43981.930	$23046_{7/2}$ – $67028°_{9/2}$	0.030			1
2273.509	4	43971.283	43971.279	$27273_{7/2}$ – $71245°_{9/2}$	0.004		0.002	1
2273.561	4	43970.275	43970.284	$8832_{1/2}$ – $52803°_{3/2}$	–0.009		0.002	1
2275.6433	6	43930.047	43930.051	$24804_{7/2}$ – $68734°_{9/2}$	–0.004		0.0011	1

TABLE 6. Observed lines of W II—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	σ_{calc} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	λ_{unc} (Å)[4]	Ref.[5]
2275.863	5	43925.80	43926.207	$28631_{7/2}$ – $72557°_{9/2}$	–0.41		0.013	5
2275.911	3	43924.871	43924.891	$29341_{9/2}$ – $73266°_{11/2}$	–0.020		0.002	1
2275.976	3	43923.627	43923.646	$17436_{11/2}$ – $61360°_{9/2}$	–0.019		0.002	1
2276.773	4	43908.252	43908.235	$25672_{5/2}$ – $69580°_{7/2}$	0.017		0.002	1
2277.4103	6	43895.965	43895.964	$19070_{9/2}$ – $62966°_{11/2}$	0.001		0.0011	1
2277.5531	22	43893.213	43893.216	$10592_{3/2}$ – $54485°_{1/2}$	–0.003		0.0004	1
2277.678	3	43890.802	43890.834	$25169_{3/2}$ – $69060°_{5/2}$	–0.032		0.003	1
2277.9726	26	43885.131	43885.129	$16589_{7/2}$ – $60474°_{5/2}$	0.002		0.0003	1
2278.1096	17	43882.492	43882.492	$8711_{3/2}$ – $52593°_{1/2}$	0.000		0.0005	1
2278.6978	7	43871.166	43871.150	$16553_{9/2}$ – $60424°_{7/2}$	0.016		0.0009	1
2279.207	4	43861.371	43861.366	$11301_{5/2}$ – $55162°_{5/2}$	0.005		0.002	1
2279.363	3	43858.365	43858.342	$19276_{5/2}$ – $63134°_{3/2}$	0.023		0.003	1
2279.694	5	43851.98	43852.454	$14857_{9/2}$ – $58709°_{7/2}$	–0.47		0.013	5
2280.2874	25	43840.586	43840.583	$20039_{7/2}$ – $63880°_{5/2}$	0.003		0.0003	1
2280.6222	8	43834.150	43834.168	$7420_{5/2}$ – $51254°_{3/2}$	–0.018		0.0010	1
2280.7965	11	43830.802	43830.805	$14857_{9/2}$ – $58687°_{9/2}$	–0.003		0.0006	1
2281.600	5	43815.36	43815.378	$24804_{7/2}$ – $68619°_{7/2}$	–0.02		0.013	5
2281.6706	7	43814.011	43814.004	$30632_{9/2}$ – $74446°_{9/2}$	0.007		0.0011	1
2282.19826	79	43803.882	43803.881	$17436_{11/2}$ – $61240°_{11/2}$	0.001		0.00010	1
2282.4386	10	43799.270	43799.274	$20455_{3/2}$ – $64255°_{3/2}$	–0.004		0.0007	1
2282.717	5	43793.92	43793.876	$23234_{9/2}$ – $67028°_{9/2}$	0.04		0.013	5
2283.2690	6	43783.342	43783.374	$10592_{3/2}$ – $54375°_{5/2}$	–0.032		0.0013	1
2283.428	4	43780.298	43780.297	$14967_{5/2}$ – $58748°_{3/2}$	0.001		0.002	1
2283.9704	14	43769.897	43769.893	$28631_{7/2}$ – $72401°_{9/2}$	0.004		0.0005	1
2283.9876	10	43769.568	43769.566	$23046_{7/2}$ – $66816°_{9/2}$	0.002		0.0007	1
2284.4328	15	43761.039	43761.038	$8832_{1/2}$ – $52593°_{1/2}$	0.001		0.0005	1
2284.6086	24	43757.671	43757.664	$16234_{5/2}$ – $59992°_{5/2}$	0.007		0.0003	1
2285.087	5*d*	43748.50	43748.560	$20039_{7/2}$ – $63788°_{7/2}$	–0.06		0.013	5
2285.436	3	43741.83	43741.869	$14967_{5/2}$ – $58709°_{7/2}$	–0.04		0.013	5
2285.747	2	43735.883	43735.868	$20780_{9/2}$ – $64516°_{9/2}$	0.015		0.004	1
2286.2831	11	43725.626	43725.639	$16553_{9/2}$ – $60278°_{9/2}$	–0.013		0.0006	1
2286.510	15*bl*,*d*	43721.29	43721.908	$11301_{5/2}$ – $55022°_{7/2}$	–0.62		0.013	5
2286.931	5	43713.23	43713.208	$19276_{5/2}$ – $62989°_{5/2}$	0.02		0.013	5
2287.447	5	43703.37	43703.460	$16553_{9/2}$ – $60256°_{7/2}$	–0.09		0.013	5
2287.479	3	43702.771	43702.760	$14634_{3/2}$ – $58337°_{5/2}$	0.011		0.003	1
2288.6470	15	43680.467	43680.470	$14857_{9/2}$ – $58537°_{7/2}$	–0.003		0.0005	1
2288.813	5*d*	43677.30	43677.543	$13411_{7/2}$ – $57089°_{9/2}$	–0.24		0.013	5
2288.958	5*d*	43674.53	43674.463	$14634_{3/2}$ – $58308°_{1/2}$	0.07		0.013	5
2289.0179	14	43673.389	43673.394	$20534_{11/2}$ – $64207°_{9/2}$	–0.005		0.0005	1
2289.356	3	43666.940	43666.944	$16589_{7/2}$ – $60256°_{7/2}$	–0.004		0.002	1
2289.4091	7	43665.928	43665.928	$16553_{9/2}$ – $60219°_{11/2}$	0.000		0.0010	1
2289.5463	5	43663.311	43663.281	$23234_{9/2}$ – $66898°_{7/2}$	0.030		0.0014	1
2290.4768	7	43645.575	43645.609	$19070_{9/2}$ – $62716°_{9/2}$	–0.034		0.0009	1
2290.5609	24	43643.973	43643.976	$8711_{3/2}$ – $52355°_{1/2}$	–0.003		0.0004	1
2290.822	5	43639.00	43639.173	$24804_{7/2}$ – $68443°_{5/2}$	–0.17		0.013	5
2291.339	3	43629.150	43629.150	$19637_{5/2}$ – $63266°_{7/2}$	0.000		0.003	1

TABLE 6. Observed lines of W II—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	σ_{calc} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	λ_{unc} (Å)[4]	Ref.[5]
2291.3614	12	43628.726	43628.717	$27273_{7/2}$ – $70902°_{9/2}$	0.009		0.0006	1
2291.5560	9	43625.022	43625.031	$7420_{5/2}$ – $51045°_{7/2}$	–0.009		0.0009	1
2293.8459	7	43581.476	43581.512	$23234_{9/2}$ – $66816°_{9/2}$	–0.036		0.0012	1
2294.195	25*bl*	43574.85	43574.623	$20455_{3/2}$ – $64030°_{5/2}$	0.23		0.013	5
2294.54387	75	43568.220	43568.220	$4716_{7/2}$ – $48284°_{5/2}$	0.000		0.00011	1
2294.8376	18	43562.643	43562.637	$15146_{7/2}$ – $58709°_{7/2}$	0.006		0.0004	1
2295.5026	5	43550.026	43550.022	$18000_{7/2}$ – $61550°_{7/2}$	0.004		0.0014	1
2295.7813	21	43544.739	43544.740	$10592_{3/2}$ – $54137°_{3/2}$	–0.001		0.0004	1
2295.9793	33	43540.984	43540.988	$15146_{7/2}$ – $58687°_{9/2}$	–0.004		0.0002	1
2296.8721	6	43524.060	43524.048	$19442_{13/2}$ – $62966°_{11/2}$	0.012		0.0012	1
2296.9533	11	43522.523	43522.522	$8832_{1/2}$ – $52355°_{1/2}$	0.001		0.0007	1
2297.9255	17	43504.110	43504.107	$22139_{5/2}$ – $65643°_{7/2}$	0.003		0.0004	1
2298.2340	38	43498.272	43498.275	$13434_{5/2}$ – $56932°_{3/2}$	–0.003		0.0002	1
2298.6427	33	43490.539	43490.540	$19070_{9/2}$ – $62561°_{7/2}$	–0.001		0.0002	1
2299.7985	17	43468.684	43468.679	$23234_{9/2}$ – $66703°_{11/2}$	0.005		0.0004	1
2300.0661	7	43463.627	43463.630	$18990_{3/2}$ – $62454°_{3/2}$	–0.003		0.0010	1
2300.099	95*bl*	43463.002	43463.044	$13411_{7/2}$ – $56874°_{5/2}$	–0.042		0.003	1
2300.5627	12	43454.245	43454.248	$25045_{1/2}$ – $68499°_{3/2}$	–0.003		0.0006	1
2300.799	5	43449.77	43449.937	$22194_{7/2}$ – $65643°_{7/2}$	–0.17		0.013	5
2300.879	2	43448.272	43448.259	$19276_{5/2}$ – $62724°_{3/2}$	0.013		0.003	1
2300.912	3	43447.648	43447.641	$23450_{5/2}$ – $66898°_{7/2}$	0.007		0.003	1
2301.270	3	43440.882	43440.913	$13434_{5/2}$ – $56874°_{5/2}$	–0.031		0.002	1
2301.6444	50	43433.825	43433.824	$10592_{3/2}$ – $54026°_{5/2}$	0.001		0.0002	1
2301.900	11	43428.99	43429.211	$26158_{9/2}$ – $69587°_{11/2}$	–0.22		0.013	5
2302.127	9	43424.71	43424.377	$20455_{3/2}$ – $63880°_{5/2}$	0.33		0.013	5
2302.2844	7	43421.752	43421.753	$26158_{9/2}$ – $69580°_{7/2}$	–0.001		0.0010	1
2302.867	4	43410.761	43410.757	$25209_{9/2}$ – $68619°_{7/2}$	0.004		0.002	1
2303.0234	8	43407.820	43407.807	$28377_{11/2}$ – $71785°_{9/2}$	0.013		0.0008	1
2303.2492	19	43403.564	43403.561	$11301_{5/2}$ – $54704°_{5/2}$	0.003		0.0004	1
2303.2912	51	43402.774	43402.776	$16589_{7/2}$ – $59992°_{5/2}$	–0.002		0.0002	1
2303.4148	6	43400.444	43400.431	$27273_{7/2}$ – $70674°_{7/2}$	0.013		0.0013	1
2303.81893	164	43392.832	43392.830	$1518_{3/2}$ – $44911°_{3/2}$	0.002	7.16e+7	0.00005	1w,7t
2303.934	2	43390.658	43390.653	$15146_{7/2}$ – $58537°_{7/2}$	0.005		0.005	1
2304.042	3	43388.630	43388.612	$25672_{5/2}$ – $69060°_{5/2}$	0.018		0.003	1
2304.468	3	43380.610	43380.605	$16553_{9/2}$ – $59933°_{7/2}$	0.005		0.002	1
2305.0402	11	43369.844	43369.853	$23803_{7/2}$ – $67173°_{5/2}$	–0.009		0.0006	1
2305.2155	11	43366.546	43366.536	$19070_{9/2}$ – $62437°_{9/2}$	0.010		0.0007	1
2305.9117	5	43353.454	43353.437	$26226_{5/2}$ – $69580°_{7/2}$	0.017		0.0013	1
2305.970	5	43352.35	43352.330	$19637_{5/2}$ – $62989°_{5/2}$	0.02		0.013	5
2306.4103	6	43344.082	43344.089	$16589_{7/2}$ – $59933°_{7/2}$	–0.007		0.0013	1
2306.5045	6	43342.312	43342.318	$18990_{3/2}$ – $62333°_{5/2}$	–0.006		0.0011	1
2306.91853	66	43334.534	43334.532	$13434_{5/2}$ – $56768°_{7/2}$	0.002		0.00011	1
2307.181	4	43329.609	43329.609	$25169_{3/2}$ – $68499°_{3/2}$	0.000		0.002	1
2307.392	3	43325.650	43325.654	$18000_{7/2}$ – $61326°_{7/2}$	–0.004		0.003	1
2307.6554	27	43320.697	43320.699	$19403_{1/2}$ – $62724°_{3/2}$	–0.002		0.0003	1
2307.9252	11	43315.634	43315.635	$22139_{5/2}$ – $65455°_{7/2}$	–0.001		0.0006	1

TABLE 6. Observed lines of W II—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	σ_{calc} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	λ_{unc} (Å)[4]	Ref.[5]
2309.583	5	43284.54	43284.659	$19276_{5/2}$ – $62561°_{7/2}$	–0.12		0.013	5
2309.8497	28	43279.548	43279.547	$16589_{7/2}$ – $59869°_{7/2}$	0.001		0.0003	1
2310.1508	12	43273.907	43273.908	$25169_{3/2}$ – $68443°_{5/2}$	–0.001		0.0006	1
2310.2410	12	43272.218	43272.209	$19442_{13/2}$ – $62714°_{13/2}$	0.009		0.0006	1
2310.8158	13	43261.455	43261.465	$22194_{7/2}$ – $65455°_{7/2}$	–0.010		0.0005	1
2310.877	3	43260.306	43260.305	$19070_{9/2}$ – $62330°_{9/2}$	0.001		0.003	1
2311.1136	7	43255.881	43255.877	$29341_{9/2}$ – $72597°_{7/2}$	0.004		0.0010	1
2311.1705	5	43254.816	43254.815	$26226_{5/2}$ – $69481°_{5/2}$	0.001		0.0013	1
2312.767	3	43224.965	43224.952	$23803_{7/2}$ – $67028°_{9/2}$	0.013		0.003	1
2312.814	9	43224.08	43224.279	$23046_{7/2}$ – $66271°_{9/2}$	–0.20		0.013	5
2312.916	25	43222.18	43222.423	$14634_{3/2}$ – $57856°_{5/2}$	–0.24		0.013	5
2313.655	28*bl*	43208.364	43208.336	$16234_{5/2}$ – $59443°_{5/2}$	0.028		0.02	1
2314.6321	32*p*	43190.133	43190.119	$15146_{7/2}$ – $58337°_{5/2}$	0.014		0.0002	1
2315.01813	122	43182.932	43182.931	$3172_{5/2}$ – $46355°_{5/2}$	0.001		0.00011	1
2315.2412	7	43178.771	43178.766	$13434_{5/2}$ – $56612°_{7/2}$	0.005		0.0010	1
2316.258	5	43159.82	43159.854	$22139_{5/2}$ – $65299°_{3/2}$	–0.03		0.013	5
2317.5496	9	43135.767	43135.775	$16234_{5/2}$ – $59370°_{3/2}$	–0.008		0.0008	1
2317.723	4	43132.549	43132.569	$13411_{7/2}$ – $56544°_{5/2}$	–0.020		0.002	1
2317.8726	9	43129.756	43129.779	$14857_{9/2}$ – $57986°_{9/2}$	–0.023		0.0008	1
2318.9110	7	43110.444	43110.438	$13434_{5/2}$ – $56544°_{5/2}$	0.006		0.0011	1
2319.7764	7	43094.364	43094.357	$23803_{7/2}$ – $66898°_{7/2}$	0.007		0.0010	1
2320.171	9	43087.04	43087.381	$19637_{5/2}$ – $62724°_{3/2}$	–0.34		0.013	5
2320.8289	7	43074.823	43074.835	$11301_{5/2}$ – $54375°_{5/2}$	–0.012		0.0011	1
2321.0070	17	43071.518	43071.521	$26929_{11/2}$ – $70000°_{13/2}$	–0.003		0.0004	1
2321.617	5	43060.19	43060.155	$29341_{9/2}$ – $72401°_{9/2}$	0.03		0.013	5
2321.801	2	43056.788	43056.816	$19276_{5/2}$ – $62333°_{5/2}$	–0.028		0.004	1
2322.140	9*d*	43050.49	43050.568	$19403_{1/2}$ – $62454°_{3/2}$	–0.08		0.013	5
2322.564	3	43042.648	43042.659	$24804_{7/2}$ – $67847°_{9/2}$	–0.011		0.002	1
2322.7093	15	43039.953	43039.945	$14967_{5/2}$ – $58007°_{3/2}$	0.008		0.0005	1
2323.03328	95	43033.951	43033.949	$6147_{9/2}$ – $49181°_{9/2}$	0.002		0.00011	1
2323.11221	66	43032.489	43032.489	$28187_{13/2}$ – $71220°_{13/2}$	0.000		0.00011	1
2324.1873	8	43012.585	43012.588	$23803_{7/2}$ – $66816°_{9/2}$	–0.003		0.0009	1
2324.285	5	43010.769	43010.738	$7420_{5/2}$ – $50430°_{3/2}$	0.031		0.002	1
2324.707	5	43002.97	43002.922	$3172_{5/2}$ – $46175°_{7/2}$	0.05		0.013	5
2324.7752	12	43001.709	43001.710	$13411_{7/2}$ – $56413°_{9/2}$	–0.001		0.0006	1
2324.8671	7	43000.009	43000.003	$31446_{7/2}$ – $74446°_{9/2}$	0.006		0.0010	1
2326.08901	258	42977.423	42977.423	$6147_{9/2}$ – $49124°_{7/2}$	0.000		0.00005	1
2327.576	5	42949.960	42949.957	$20039_{7/2}$ – $62989°_{5/2}$	0.003		0.002	1
2328.224	2	42938.013	42938.047	$27273_{7/2}$ – $70211°_{7/2}$	–0.034		0.004	1
2328.3126	42	42936.383	42936.383	$1518_{3/2}$ – $44455°_{1/2}$	0.000	4.74e+7	0.0002	1w,7t
2329.6902	26	42910.995	42910.989	$13173_{1/2}$ – $56084°_{3/2}$	0.006		0.0003	1
2330.8845	10	42889.011	42889.014	$14967_{5/2}$ – $57856°_{5/2}$	–0.003		0.0007	1
2331.765	4	42872.814	42872.834	$14857_{9/2}$ – $57729°_{7/2}$	–0.020		0.002	1
2331.803	3	42872.109	42872.093	$7420_{5/2}$ – $50292°_{5/2}$	0.016	1.03e+6	0.003	1w,7t
2332.0578	6	42867.433	42867.447	$28377_{11/2}$ – $71245°_{9/2}$	–0.014		0.0011	1
2332.412	3	42860.917	42860.941	$23955_{11/2}$ – $66816°_{9/2}$	–0.024		0.003	1

TABLE 6. Observed lines of W II—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	σ_{calc} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	λ_{unc} (Å)[4]	Ref.[5]
2332.8193	12	42853.441	42853.448	$16589_{7/2}$ – $59443°_{5/2}$	–0.007		0.0006	1
2333.1316	14	42847.707	42847.728	$10592_{3/2}$ – $53440°_{1/2}$	–0.021		0.0005	1
2333.186	15?	42846.71	42846.252	$16553_{9/2}$ – $59399°_{9/2}$	0.46		0.013	5
2333.408	5	42842.62	42842.482	$28377_{11/2}$ – $71220°_{13/2}$	0.14		0.013	5
2333.5532	9	42839.965	42839.962	$15146_{7/2}$ – $57986°_{9/2}$	0.003		0.0009	1
2333.5943	11	42839.212	42839.206	$29341_{9/2}$ – $72180°_{11/2}$	0.006		0.0007	1
2333.771	86*p*	42835.966	42835.955	$1518_{3/2}$ – $44354°_{5/2}$	0.011	1.71e+7	0.002	1w,7t
2333.885	5	42833.86	42833.814	$26226_{5/2}$ – $69060°_{5/2}$	0.05		0.013	5
2334.0662	9	42830.551	42830.565	$10592_{3/2}$ – $53423°_{3/2}$	–0.014		0.0008	1
2334.246	5	42827.24	42827.387	$25672_{5/2}$ – $68499°_{3/2}$	–0.15		0.013	5
2334.359	5	42825.18	42825.347	$8711_{3/2}$ – $51536°_{1/2}$	–0.17		0.013	5
2334.792	4	42817.243	42817.250	$19637_{5/2}$ – $62454°_{3/2}$	–0.007		0.002	1
2335.2013	20	42809.733	42809.736	$16589_{7/2}$ – $59399°_{9/2}$	–0.003		0.0004	1
2335.5468	5	42803.401	42803.394	$25209_{9/2}$ – $68012°_{11/2}$	0.007		0.0014	1
2335.9319	8	42796.345	42796.352	$22194_{7/2}$ – $64990°_{5/2}$	–0.007		0.0009	1
2336.025	2	42794.648	42794.610	$30632_{9/2}$ – $73427°_{7/2}$	0.038		0.003	1
2336.189	9	42791.63	42792.025	$23234_{9/2}$ – $66026°_{7/2}$	–0.40		0.013	5
2336.477	15	42786.36	42786.589	$28377_{11/2}$ – $71164°_{11/2}$	–0.23		0.013	5
2336.715	44*w*	42782.002	42782.083	$17436_{11/2}$ – $60219°_{11/2}$	–0.081		0.004	1
2337.7947	27	42762.246	42762.249	$14967_{5/2}$ – $57729°_{7/2}$	–0.003		0.0003	1
2338.111	3	42756.470	42756.464	$22139_{5/2}$ – $64896°_{7/2}$	0.006		0.003	1
2338.568	3	42748.10	42748.108	$23955_{11/2}$ – $66703°_{11/2}$	–0.01		0.013	5
2339.1608	36	42737.276	42737.277	$10592_{3/2}$ – $53329°_{3/2}$	–0.001		0.0002	1
2339.7175	8	42727.108	42727.116	$19403_{1/2}$ – $62131°_{1/2}$	–0.008		0.0009	1
2339.7330	5	42726.824	42726.790	$8711_{3/2}$ – $51438°_{5/2}$	0.034		0.0014	1
2339.817	2	42725.289	42725.285	$11301_{5/2}$ – $54026°_{5/2}$	0.004		0.004	1
2339.9004	19	42723.767	42723.767	$16553_{9/2}$ – $59276°_{7/2}$	0.000		0.0004	1
2340.6666	9	42709.784	42709.782	$15146_{7/2}$ – $57856°_{5/2}$	0.002		0.0008	1
2340.989	3	42703.898	42703.893	$8832_{1/2}$ – $51536°_{1/2}$	0.005		0.002	1
2341.0762	26	42702.311	42702.294	$22194_{7/2}$ – $64896°_{7/2}$	0.017		0.0003	1
2341.36785	117	42696.993	42696.992	$4716_{7/2}$ – $47413°_{5/2}$	0.001		0.00011	1
2341.4259	16	42695.934	42695.938	$19637_{5/2}$ – $62333°_{5/2}$	–0.004		0.0004	1
2341.525	2	42694.127	42694.078	$23450_{5/2}$ – $66144°_{5/2}$	0.049		0.004	1
2341.9023	12	42687.250	42687.251	$16589_{7/2}$ – $59276°_{7/2}$	–0.001		0.0006	1
2343.1618	8	42664.306	42664.312	$22139_{5/2}$ – $64804°_{3/2}$	–0.006		0.0009	1
2343.4652	54	42658.784	42658.784	$26929_{11/2}$ – $69587°_{11/2}$	0.000		0.0002	1
2343.49654	109	42658.213	42658.212	$28187_{13/2}$ – $70845°_{15/2}$	0.001		0.00011	1
2343.620	5	42655.97	42655.913	$18000_{7/2}$ – $60656°_{5/2}$	0.06		0.013	5
2344.8610	12	42633.393	42633.390	$30632_{9/2}$ – $73266°_{11/2}$	0.003		0.0007	1
2345.717	2	42617.828	42617.802	$14634_{3/2}$ – $57252°_{5/2}$	0.026		0.004	1
2346.386	3	42605.678	42605.679	$31100_{11/2}$ – $73705°_{9/2}$	–0.001		0.003	1
2346.8511	13	42597.242	42597.244	$23046_{7/2}$ – $65643°_{7/2}$	–0.002		0.0008	1
2347.635	4	42583.025	42583.017	$15146_{7/2}$ – $57729°_{7/2}$	0.008		0.002	1
2348.0012	16	42576.380	42576.385	$23450_{5/2}$ – $66026°_{7/2}$	–0.005		0.0004	1
2348.026	3	42575.932	42575.925	$18990_{3/2}$ – $61566°_{5/2}$	0.007		0.002	1
2349.25033	65	42553.743	42553.743	$20534_{11/2}$ – $63087°_{13/2}$	0.000		0.00011	1

TABLE 6. Observed lines of W II—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	σ_{calc} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	λ_{unc} (Å)[4]	Ref.[5]
2349.8347	16	42543.161	42543.155	$8711_{3/2}$ – $51254°_{3/2}$	0.006		0.0006	1
2350.3548	26	42533.748	42533.751	$20455_{3/2}$ – $62989°_{5/2}$	–0.003		0.0003	1
2350.8449	5	42524.882	42524.885	$28377_{11/2}$ – $70902°_{9/2}$	–0.003		0.0015	1
2351.0372	10	42521.404	42521.408	$20039_{7/2}$ – $62561°_{7/2}$	–0.004		0.0007	1
2351.059	2	42521.010	42521.048	$10592_{3/2}$ – $53113°_{5/2}$	–0.038		0.003	1
2351.4839	19	42513.326	42513.327	$16234_{5/2}$ – $58748°_{3/2}$	–0.001		0.0004	1
2352.9171	18	42487.433	42487.432	$22502_{3/2}$ – $64990°_{5/2}$	0.001		0.0004	1
2352.9913	14	42486.093	42486.101	$20780_{9/2}$ – $63266°_{7/2}$	–0.008		0.0005	1
2353.3233	32	42480.100	42480.099	$19070_{9/2}$ – $61550°_{7/2}$	0.001		0.0002	1
2353.6557	11	42474.102	42474.105	$18000_{7/2}$ – $60474°_{5/2}$	–0.003		0.0007	1
2354.004	5?	42467.81	42467.301	$23803_{7/2}$ – $66271°_{9/2}$	0.51		0.013	5
2354.986	3	42450.102	42450.088	$23234_{9/2}$ – $65684°_{11/2}$	0.014		0.002	1
2356.455	3*bl*	42423.650	42423.610	$18000_{7/2}$ – $60424°_{7/2}$	0.040		0.002	1
2357.2582	11	42409.195	42409.190	$23234_{9/2}$ – $65643°_{7/2}$	0.005		0.0006	1
2357.922	3	42397.25	42397.404	$20039_{7/2}$ – $62437°_{9/2}$	–0.15		0.013	5
2358.8167	61	42381.178	42381.179	$3172_{5/2}$ – $45553°_{3/2}$	–0.001	2.53e+7	0.0002	1w,7t
2359.4976	8	42368.947	42368.943	$24804_{7/2}$ – $67173°_{5/2}$	0.004		0.0009	1
2361.1871	13	42338.634	42338.655	$16553_{9/2}$ – $58891°_{11/2}$	–0.021		0.0006	1
2362.1045	22	42322.191	42322.195	$22194_{7/2}$ – $64516°_{9/2}$	–0.004		0.0004	1
2362.4699	14	42315.646	42315.654	$23955_{11/2}$ – $66271°_{9/2}$	–0.008		0.0006	1
2362.522	3*w*	42314.712	42314.797	$13173_{1/2}$ – $55488°_{3/2}$	–0.085		0.02	1
2363.1787	6	42302.956	42302.915	$16234_{5/2}$ – $58537°_{7/2}$	0.041		0.0012	1
2363.2752	12	42301.229	42301.222	$22502_{3/2}$ – $64804°_{3/2}$	0.007		0.0006	1
2363.4550	40	42298.011	42298.009	$14634_{3/2}$ – $56932°_{3/2}$	0.002		0.0002	1
2363.711	3	42293.42	42293.565	$20039_{7/2}$ – $62333°_{5/2}$	–0.15		0.013	5
2363.8790	7	42290.424	42290.423	$19276_{5/2}$ – $61566°_{5/2}$	0.001		0.0010	1
2363.90110	61	42290.029	42290.028	$19070_{9/2}$ – $61360°_{9/2}$	0.001		0.00011	1
2364.21620	134	42284.393	42284.393	$14967_{5/2}$ – $57252°_{5/2}$	0.000		0.00006	1
2364.568	5	42278.103	42278.099	$18000_{7/2}$ – $60278°_{9/2}$	0.004		0.002	1
2364.877	3	42272.582	42272.589	$26226_{5/2}$ – $68499°_{3/2}$	–0.007		0.002	1
2364.977	4	42270.797	42270.782	$28631_{7/2}$ – $70902°_{9/2}$	0.015		0.002	1
2365.8187	8	42255.753	42255.731	$19070_{9/2}$ – $61326°_{7/2}$	0.022		0.0010	1
2366.6649	8	42240.647	42240.647	$14634_{3/2}$ – $56874°_{5/2}$	0.000		0.0009	1
2367.111	25*bl*	42232.69	42232.322	$14857_{9/2}$ – $57089°_{9/2}$	0.37		0.013	5
2367.7820	14	42220.719	42220.718	$23234_{9/2}$ – $65455°_{7/2}$	0.001		0.0005	1
2368.013	3	42216.60	42216.889	$22139_{5/2}$ – $64356°_{7/2}$	–0.29		0.013	5
			42216.888	$26226_{5/2}$ – $68443°_{5/2}$	–0.29			5
2368.3539	30	42210.524	42210.527	$10592_{3/2}$ – $52803°_{3/2}$	–0.003		0.0003	1
2369.304	3	42193.595	42193.550	$23450_{5/2}$ – $65643°_{7/2}$	0.045		0.002	1
2369.7237	6	42186.127	42186.156	$20780_{9/2}$ – $62966°_{11/2}$	–0.029		0.0012	1
2369.74917	62	42185.674	42185.673	$6147_{9/2}$ – $48332°_{11/2}$	0.001		0.00011	1
2369.9551	18	42182.009	42181.968	$20534_{11/2}$ – $62716°_{9/2}$	0.041		0.0004	1
			42181.964	$24991_{3/2}$ – $67173°_{5/2}$	0.045			1
2370.04077	177	42180.484	42180.484	$20534_{11/2}$ – $62714°_{13/2}$	0.000		0.00006	1
2370.2488	5	42176.783	42176.767	$26929_{11/2}$ – $69105°_{9/2}$	0.016		0.0014	1
2370.6153	37	42170.262	42170.263	$19070_{9/2}$ – $61240°_{11/2}$	–0.001		0.0004	1

TABLE 6. Observed lines of W II—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	σ_{calc} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	λ_{unc} (Å)[4]	Ref.[5]
			42170.253	$22139_{5/2}$ – $64310°_{5/2}$	0.009			1
2371.0393	5	42162.722	42162.719	$22194_{7/2}$ – $64356°_{7/2}$	0.003		0.0015	1
2371.2037	9	42159.798	42159.802	$19442_{13/2}$ – $61602°_{13/2}$	–0.004		0.0008	1
2371.9245	29	42146.988	42146.991	$19442_{13/2}$ – $61589°_{11/2}$	–0.003		0.0003	1
2372.5756	20	42135.423	42135.425	$26226_{5/2}$ – $68362°_{7/2}$	–0.002		0.0004	1
2372.6064	30	42134.876	42134.878	$16553_{9/2}$ – $58687°_{9/2}$	–0.002		0.0003	1
2373.445	4	42119.982	42120.011	$16589_{7/2}$ – $58709°_{7/2}$	–0.029		0.002	1
2373.667	3	42116.051	42116.083	$22194_{7/2}$ – $64310°_{5/2}$	–0.032		0.003	1
2374.231	5	42106.045	42106.055	$26929_{11/2}$ – $69035°_{13/2}$	–0.010		0.002	1
2374.4378	52	42102.380	42102.381	$16234_{5/2}$ – $58337°_{5/2}$	–0.001		0.0002	1
2374.664	4	42098.366	42098.362	$16589_{7/2}$ – $58687°_{9/2}$	0.004		0.002	1
2374.942	5	42093.444	42093.447	$24804_{7/2}$ – $66898°_{7/2}$	–0.003		0.002	1
2375.0364	35	42091.769	42091.768	$23234_{9/2}$ – $65326°_{11/2}$	0.001		0.0002	1
2377.1660	20	42054.064	42054.064	$13434_{5/2}$ – $55488°_{3/2}$	0.000		0.0003	1
2377.4041	7	42049.853	42049.850	$19276_{5/2}$ – $61326°_{7/2}$	0.003		0.0011	1
2378.1280	34	42037.054	42037.051	$11301_{5/2}$ – $53338°_{7/2}$	0.003		0.0002	1
2378.5990	20	42028.730	42028.738	$11301_{5/2}$ – $53329°_{3/2}$	–0.008		0.0005	1
2379.463	3	42013.46	42013.554	$22194_{7/2}$ – $64207°_{9/2}$	–0.09		0.013	5
2379.5645	13	42011.679	42011.678	$24804_{7/2}$ – $66816°_{9/2}$	0.001		0.0006	1
2380.019	4	42003.648	42003.678	$25169_{3/2}$ – $67173°_{5/2}$	–0.030		0.002	1
2380.1536	13	42001.282	42001.281	$10592_{3/2}$ – $52593°_{1/2}$	0.001		0.0006	1
2380.3013	9	41998.675	41998.671	$20455_{3/2}$ – $62454°_{3/2}$	0.004		0.0009	1
2380.6939	6	41991.750	41991.752	$18000_{7/2}$ – $59992°_{5/2}$	–0.002		0.0012	1
2381.0599	6	41985.296	41985.299	$19070_{9/2}$ – $61055°_{9/2}$	–0.003		0.0014	1
2381.1026	11	41984.543	41984.543	$16553_{9/2}$ – $58537°_{7/2}$	0.000		0.0007	1
2381.3314	13	41980.510	41980.507	$13411_{7/2}$ – $55392°_{9/2}$	0.003		0.0006	1
2381.4015	8	41979.273	41979.258	$30618_{5/2}$ – $72597°_{7/2}$	0.015		0.0009	1
2381.7697	6	41972.785	41972.776	$26526_{1/2}$ – $68499°_{3/2}$	0.009		0.0011	1
2382.2352	6	41964.584	41964.600	$14967_{5/2}$ – $56932°_{3/2}$	–0.016		0.0011	1
2382.3590	34	41962.403	41962.407	$17436_{11/2}$ – $59399°_{9/2}$	–0.004		0.0002	1
2382.6901	31	41956.572	41956.568	$23046_{7/2}$ – $65003°_{9/2}$	0.004		0.0002	1
2383.424	3	41943.648	41943.659	$23046_{7/2}$ – $64990°_{5/2}$	–0.011		0.003	1
2383.489	5	41942.505	41942.505	$15146_{7/2}$ – $57089°_{9/2}$	0.000		0.002	1
2384.0255	10	41933.073	41933.065	$18000_{7/2}$ – $59933°_{7/2}$	0.008		0.0007	1
2384.815	60*p*	41919.195	41919.230	$31347_{13/2}$ – $73266°_{11/2}$	–0.035		0.006	1
2385.148	2	41913.337	41913.340	$19637_{5/2}$ – $61550°_{7/2}$	–0.003		0.004	1
2385.2563	41	41911.436	41911.442	$14857_{9/2}$ – $56768°_{7/2}$	–0.006		0.0002	1
2385.331	19	41910.130	41910.172	$14634_{3/2}$ – $56544°_{5/2}$	–0.042		0.003	1
			41910.094	$18990_{3/2}$ – $60901°_{5/2}$	0.036			1
2385.4953	35	41907.238	41907.238	$14967_{5/2}$ – $56874°_{5/2}$	0.000		0.0002	1
2385.7428	14	41902.891	41902.895	$20534_{11/2}$ – $62437°_{9/2}$	–0.004		0.0005	1
2386.4399	14	41890.652	41890.650	$22139_{5/2}$ – $64030°_{5/2}$	0.002		0.0005	1
2386.548	2	41888.749	41888.752	$31538_{5/2}$ – $73427°_{7/2}$	–0.003		0.005	1
2387.6995	5	41868.554	41868.523	$18000_{7/2}$ – $59869°_{7/2}$	0.031		0.0015	1
2388.5272	12	41854.047	41854.046	$26158_{9/2}$ – $68012°_{11/2}$	0.001		0.0006	1
2388.781	5	41849.606	41849.601	$23046_{7/2}$ – $64896°_{7/2}$	0.005		0.002	1

TABLE 6. Observed lines of W II—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	σ_{calc} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	λ_{unc} (Å)[4]	Ref.[5]
2388.7982	8	41849.299	41849.297	$23450_{5/2}$ – $65299°_{3/2}$	0.002		0.0010	1
2389.2588	11	41841.231	41841.231	$19276_{5/2}$ – $61117°_{3/2}$	0.000		0.0006	1
2389.7846	24	41832.027	41832.022	$27273_{7/2}$ – $69105°_{9/2}$	0.005		0.0003	1
2390.3149	9	41822.747	41822.748	$29341_{9/2}$ – $71164°_{11/2}$	–0.001		0.0009	1
2390.37010	110	41821.781	41821.781	$7420_{5/2}$ – $49242°_{5/2}$	0.000	6.69e+7	0.00011	1w,7t
2390.5052	7	41819.417	41819.421	$25209_{9/2}$ – $67028°_{9/2}$	–0.004		0.0012	1
2390.8749	42	41812.951	41812.951	$28187_{13/2}$ – $70000°_{13/2}$	0.000		0.0002	1
2391.2060	7	41807.163	41807.163	$22502_{3/2}$ – $64310°_{5/2}$	0.000		0.0011	1
2391.2925	12	41805.650	41805.655	$26929_{11/2}$ – $68734°_{9/2}$	–0.005		0.0006	1
2391.567	2	41800.858	41800.857	$14967_{5/2}$ – $56768°_{7/2}$	0.001		0.004	1
2391.7109	12	41798.338	41798.347	$19442_{13/2}$ – $61240°_{11/2}$	–0.009		0.0006	1
2392.92814	231	41777.077	41777.078	$4716_{7/2}$ – $46493°_{9/2}$	–0.001	2.28e+7	0.00006	1w,7t
2393.1631	29	41772.976	41772.975	$16234_{5/2}$ – $58007°_{3/2}$	0.001		0.0003	1
2393.4208	9*p*	41768.478	41768.514	$23234_{9/2}$ – $65003°_{9/2}$	–0.036		0.0009	1
2393.754	5*bl*	41762.66	41762.765	$10592_{3/2}$ – $52355°_{1/2}$	–0.10		0.013	5
2394.1547	52	41755.676	41755.676	$14857_{9/2}$ – $56612°_{7/2}$	0.000		0.0002	1
2394.4546	15	41750.446	41750.451	$13411_{7/2}$ – $55162°_{5/2}$	–0.005		0.0005	1
2394.6226	7	41747.518	41747.493	$16589_{7/2}$ – $58337°_{5/2}$	0.025		0.0010	1
2395.0306	9	41740.406	41740.404	$22139_{5/2}$ – $63880°_{5/2}$	0.002		0.0008	1
2395.1009	14	41739.182	41739.186	$3172_{5/2}$ – $44911°_{3/2}$	–0.004	5.83e+6	0.0006	1w,7t
2395.385	3	41734.22	41734.394	$23234_{9/2}$ – $64969°_{11/2}$	–0.17		0.013	5
2395.6556	9	41729.517	41729.517	$23955_{11/2}$ – $65684°_{11/2}$	0.000		0.0009	1
2395.7243	37	41728.321	41728.320	$13434_{5/2}$ – $55162°_{5/2}$	0.001		0.0002	1
2396.219	18*bl*	41719.700	41719.725	$8711_{3/2}$ – $50430°_{3/2}$	–0.025		0.008	1
			41719.552	$22535_{1/2}$ – $64255°_{3/2}$	0.148			1
2397.07936	294	41704.734	41704.736	$3172_{5/2}$ – $44877°_{7/2}$	–0.002	5.24e+7	0.00006	1w,7t
2397.10729	421	41704.248	41704.247	$7420_{5/2}$ – $49124°_{7/2}$	0.001		0.00006	1
2397.984	44*bl*	41689.002	41688.972	$19637_{5/2}$ – $61326°_{7/2}$	0.030		0.009	1
2398.1430	14	41686.239	41686.234	$22194_{7/2}$ – $63880°_{5/2}$	0.005		0.0005	1
2398.657	4	41677.307	41677.310	$23803_{7/2}$ – $65481°_{5/2}$	–0.003		0.002	1
2399.3306	25	41665.606	41665.611	$18990_{3/2}$ – $60656°_{5/2}$	–0.005		0.0003	1
2399.557	9*d*	41661.67	41661.547	$23234_{9/2}$ – $64896°_{7/2}$	0.12		0.013	5
2400.1246	7	41651.823	41651.794	$23803_{7/2}$ – $65455°_{7/2}$	0.029		0.0010	1
2400.3232	5	41648.377	41648.381	$22139_{5/2}$ – $63788°_{7/2}$	–0.004		0.0015	1
2400.5124	19	41645.095	41645.091	$14967_{5/2}$ – $56612°_{7/2}$	0.004		0.0004	1
2401.8420	11	41622.044	41622.044	$16234_{5/2}$ – $57856°_{5/2}$	0.000		0.0007	1
2401.8663	11	41621.622	41621.625	$15146_{7/2}$ – $56768°_{7/2}$	–0.003		0.0007	1
2402.4798	9	41610.995	41610.993	$13411_{7/2}$ – $55022°_{7/2}$	0.002		0.0009	1
2403.0700	12	41600.776	41600.770	$11301_{5/2}$ – $52901°_{7/2}$	0.006		0.0007	1
2403.2147	29	41598.271	41598.271	$8832_{1/2}$ – $50430°_{3/2}$	0.000		0.0003	1
2403.4491	15	41594.215	41594.211	$22194_{7/2}$ – $63788°_{7/2}$	0.004		0.0005	1
2404.190	5*d*	41581.40	41581.080	$8711_{3/2}$ – $50292°_{5/2}$	0.32	1.55e+6	0.013	5w,7t
2404.2643	25	41580.113	41580.112	$28631_{7/2}$ – $70211°_{7/2}$	0.001		0.0003	1
2404.463	3	41576.66	41576.763	$14967_{5/2}$ – $56544°_{5/2}$	–0.10		0.013	5
2405.2720	16	41562.694	41562.678	$7420_{5/2}$ – $48982°_{3/2}$	0.016	8.65e+6	0.0005	1w,7t
2405.3674	10	41561.046	41561.044	$29341_{9/2}$ – $70902°_{9/2}$	0.002		0.0007	1

TABLE 6. Observed lines of W II—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	σ_{calc} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	λ_{unc} (Å)[4]	Ref.[5]
2405.630	4	41556.504	41556.489	$14857_{9/2}$ – $56413°_{9/2}$	0.015		0.002	1
2405.977	5	41550.523	41550.497	$20780_{9/2}$ – $62330°_{9/2}$	0.026		0.002	1
2407.7797	27	41519.410	41519.409	$14857_{9/2}$ – $56376°_{11/2}$	0.001		0.0003	1
2408.2695	20	41510.965	41510.967	$20039_{7/2}$ – $61550°_{7/2}$	–0.002		0.0004	1
2409.1797	7	41495.284	41495.279	$16234_{5/2}$ – $57729°_{7/2}$	0.005		0.0010	1
2409.2178	23	41494.628	41494.625	$10592_{3/2}$ – $52087°_{5/2}$	0.003		0.0003	1
2409.2407	7	41494.234	41494.224	$25209_{9/2}$ – $66703°_{11/2}$	0.010		0.0012	1
2410.047	3	41480.352	41480.353	$19637_{5/2}$ – $61117°_{3/2}$	–0.001		0.002	1
2410.4127	46	41474.059	41474.055	$31347_{13/2}$ – $72821°_{15/2}$	0.004		0.0002	1
2410.905	5	41465.59	41465.859	$15146_{7/2}$ – $56612°_{7/2}$	–0.27		0.013	5
2411.1440	11	41461.481	41461.498	$28118_{5/2}$ – $69580°_{7/2}$	–0.017		0.0007	1
2411.1765	11	41460.923	41460.910	$27273_{7/2}$ – $68734°_{9/2}$	0.013		0.0006	1
2411.2813	13	41459.121	41459.117	$4716_{7/2}$ – $46175°_{7/2}$	0.004		0.0006	1
2411.3689	9	41457.615	41457.609	$31100_{11/2}$ – $72557°_{9/2}$	0.006		0.0008	1
2411.5321	47	41454.810	41454.810	$17436_{11/2}$ – $58891°_{11/2}$	0.000		0.0002	1
2411.8124	53	41449.992	41449.990	$14634_{3/2}$ – $56084°_{3/2}$	0.002		0.0002	1
2412.054	5	41445.84	41445.907	$23450_{5/2}$ – $64896°_{7/2}$	–0.07		0.013	5
2412.7517	17	41433.857	41433.852	$16553_{9/2}$ – $57986°_{9/2}$	0.005		0.0005	1
2414.121	9*w*	41410.360	41410.440	$7420_{5/2}$ – $48830°_{7/2}$	–0.080		0.008	1
2414.7132	7	41400.201	41400.214	$28187_{13/2}$ – $69587°_{11/2}$	–0.013		0.0010	1
2414.8000	44	41398.713	41398.712	$18000_{7/2}$ – $59399°_{9/2}$	0.001		0.0002	1
2414.843	15?	41397.97	41397.531	$15146_{7/2}$ – $56544°_{5/2}$	0.44		0.013	5
2414.880	3	41397.348	41397.336	$16589_{7/2}$ – $57986°_{9/2}$	0.012		0.003	1
2415.370	4	41388.949	41388.925	$19276_{5/2}$ – $60665°_{3/2}$	0.024		0.002	1
2416.048	4	41377.330	41377.314	$22502_{3/2}$ – $63880°_{5/2}$	0.016		0.002	1
2417.429	4	41353.698	41353.687	$19070_{9/2}$ – $60424°_{7/2}$	0.011		0.002	1
2418.2365	9	41339.887	41339.884	$24804_{7/2}$ – $66144°_{5/2}$	0.003		0.0008	1
2419.34814	82	41320.894	41320.896	$20039_{7/2}$ – $61360°_{9/2}$	–0.002		0.00012	1
2419.8477	13	41312.365	41312.364	$13173_{1/2}$ – $54485°_{1/2}$	0.001		0.0006	1
2419.9850	13	41310.021	41310.026	$23046_{7/2}$ – $64356°_{7/2}$	–0.005		0.0006	1
2420.4962	40	41301.296	41301.295	$31100_{11/2}$ – $72401°_{9/2}$	0.001		0.0002	1
2421.0033	45	41292.646	41292.646	$13411_{7/2}$ – $54704°_{5/2}$	0.000		0.0002	1
2421.358	3	41286.602	41286.599	$20039_{7/2}$ – $61326°_{7/2}$	0.003		0.003	1
2421.6599	20	41281.452	41281.448	$23234_{9/2}$ – $64516°_{9/2}$	0.004		0.0004	1
2421.9664	27	41276.228	41276.227	$18000_{7/2}$ – $59276°_{7/2}$	0.001		0.0003	1
2422.301	28*p*	41270.533	41270.515	$13434_{5/2}$ – $54704°_{5/2}$	0.018		0.003	1
2422.499	5	41267.148	41267.156	$16589_{7/2}$ – $57856°_{5/2}$	–0.008		0.002	1
2422.5270	32	41266.677	41266.672	$15146_{7/2}$ – $56413°_{9/2}$	0.005		0.0003	1
2422.7197	7	41263.395	41263.390	$23046_{7/2}$ – $64310°_{5/2}$	0.005		0.0011	1
2422.839	5	41261.366	41261.365	$19403_{1/2}$ – $60665°_{3/2}$	0.001		0.002	1
2423.460	5	41250.78	41251.033	$17436_{11/2}$ – $58687°_{9/2}$	–0.25		0.013	5
2424.9197	13	41225.961	41225.960	$25672_{5/2}$ – $66898°_{7/2}$	0.001		0.0006	1
2425.8466	10	41210.210	41210.207	$28377_{11/2}$ – $69587°_{11/2}$	0.003		0.0008	1
2425.9668	19	41208.168	41208.176	$19070_{9/2}$ – $60278°_{9/2}$	–0.008		0.0004	1
2426.4731	12	41199.571	41199.590	$23803_{7/2}$ – $65003°_{9/2}$	–0.019		0.0006	1

TABLE 6. Observed lines of W II—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	σ_{calc} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	λ_{unc} (Å)[4]	Ref.[5]
2426.5473	16	41198.311	41198.301	$19276_{5/2}$ – $60474°_{5/2}$	0.010		0.0005	1
2427.49007	165	41182.312	41182.311	$3172_{5/2}$ – $44354°_{5/2}$	0.001	2.56e+7	0.00006	1w,7t
2427.8088	13	41176.906	41176.907	$16553_{9/2}$ – $57729°_{7/2}$	–0.001		0.0006	1
2428.2142	9	41170.031	41170.032	$27273_{7/2}$ – $68443°_{5/2}$	–0.001		0.0009	1
2428.7550	16	41160.865	41160.861	$23046_{7/2}$ – $64207°_{9/2}$	0.004		0.0005	1
2429.251	5	41152.457	41152.465	$30632_{9/2}$ – $71785°_{9/2}$	–0.008		0.002	1
2429.3965	46	41149.997	41149.998	$26929_{11/2}$ – $68079°_{13/2}$	–0.001		0.0002	1
2429.4869	39	41148.466	41148.465	$19070_{9/2}$ – $60219°_{11/2}$	0.001		0.0002	1
2429.5261	15	41147.802	41147.806	$19276_{5/2}$ – $60424°_{7/2}$	–0.004		0.0005	1
2429.9634	21	41140.398	41140.391	$16589_{7/2}$ – $57729°_{7/2}$	0.007		0.0004	1
2430.7786	20	41126.601	41126.598	$22139_{5/2}$ – $63266°_{7/2}$	0.003		0.0004	1
2431.3712	44	41116.579	41116.581	$14967_{5/2}$ – $56084°_{3/2}$	–0.002		0.0002	1
2431.7032	30	41110.965	41110.967	$31446_{7/2}$ – $72557°_{9/2}$	–0.002		0.0009	1
			41110.966	$20455_{3/2}$ – $61566°_{5/2}$	–0.001			1
2432.7893	8	41092.613	41092.623	$23803_{7/2}$ – $64896°_{7/2}$	–0.010		0.0009	1
2433.0298	5	41088.551	41088.569	$27273_{7/2}$ – $68362°_{7/2}$	–0.018		0.0015	1
2433.1415	10	41086.666	41086.669	$13411_{7/2}$ – $54498°_{7/2}$	–0.003		0.0008	1
2433.984	52*bl*	41072.453	41072.428	$22194_{7/2}$ – $63266°_{7/2}$	0.025		0.007	1
2434.2431	35	41068.074	41068.077	$20534_{11/2}$ – $61602°_{13/2}$	–0.003		0.0002	1
2434.4521	16	41064.548	41064.538	$13434_{5/2}$ – $54498°_{7/2}$	0.010		0.0005	1
2435.00253	109	41055.266	41055.266	$20534_{11/2}$ – $61589°_{11/2}$	0.000		0.00012	1
2435.4369	31	41047.944	41047.943	$23955_{11/2}$ – $65003°_{9/2}$	0.001		0.0002	1
2436.621	15*bl*	41027.998	41028.047	$19637_{5/2}$ – $60665°_{3/2}$	–0.049		0.010	1
2437.143	3	41019.207	41019.231	$19637_{5/2}$ – $60656°_{5/2}$	–0.024		0.003	1
2437.3247	8	41016.154	41016.167	$20039_{7/2}$ – $61055°_{9/2}$	–0.013		0.0009	1
2437.4657	17	41013.780	41013.823	$23955_{11/2}$ – $64969°_{11/2}$	–0.043		0.0005	1
2438.832	4	40990.798	40990.792	$28490_{3/2}$ – $69481°_{5/2}$	0.006		0.002	1
2439.4677	11	40980.125	40980.116	$19276_{5/2}$ – $60256°_{7/2}$	0.009		0.0007	1
2439.7965	7	40974.602	40974.619	$25169_{3/2}$ – $66144°_{5/2}$	–0.017		0.0011	1
2439.9020	10	40972.830	40972.807	$23234_{9/2}$ – $64207°_{9/2}$	0.023		0.0008	1
2440.4337	26	40963.905	40963.920	$13411_{7/2}$ – $54375°_{5/2}$	–0.015		0.0013	1
			40963.888	$13173_{1/2}$ – $54137°_{3/2}$	0.017			1
2441.3430	16	40948.648	40948.646	$28631_{7/2}$ – $69580°_{7/2}$	0.002		0.0005	1
2441.6115	14	40944.145	40944.136	$10592_{3/2}$ – $51536°_{1/2}$	0.009		0.0005	1
2443.854	15	40906.57	40906.332	$23450_{5/2}$ – $64356°_{7/2}$	0.24		0.013	5
2446.0362	12	40870.086	40870.073	$26158_{9/2}$ – $67028°_{9/2}$	0.013		0.0005	1
2446.38633	159	40864.237	40864.237	$7420_{5/2}$ – $48284°_{5/2}$	0.000		0.00006	1
2446.4520	8	40863.140	40863.142	$19070_{9/2}$ – $59933°_{7/2}$	–0.002		0.0009	1
2446.5605	5	40861.328	40861.341	$20039_{7/2}$ – $60901°_{5/2}$	–0.013		0.0014	1
2447.2524	21	40849.777	40849.778	$22139_{5/2}$ – $62989°_{5/2}$	–0.001		0.0004	1
2447.512	9	40845.44	40845.579	$10592_{3/2}$ – $51438°_{5/2}$	–0.14		0.013	5
2447.876	2	40839.363	40839.356	$24804_{7/2}$ – $65643°_{7/2}$	0.007		0.003	1
2447.9928	36	40837.423	40837.423	$19637_{5/2}$ – $60474°_{5/2}$	0.000		0.0002	1
2448.22532	118	40833.544	40833.545	$31347_{13/2}$ – $72180°_{11/2}$	–0.001		0.00006	1
			40833.541	$23046_{7/2}$ – $63880°_{5/2}$	0.003			1
2448.6544	18	40826.390	40826.387	$20534_{11/2}$ – $61360°_{9/2}$	0.003		0.0004	1

TABLE 6. Observed lines of W II—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	σ_{calc} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	λ_{unc} (Å)[4]	Ref.[5]
2448.7104	7	40825.456	40825.456	$18990_{3/2}$ – $59816°_{3/2}$	0.000		0.0010	1
2449.185	3	40817.552	40817.570	$25209_{9/2}$ – $66026°_{7/2}$	–0.018		0.002	1
2449.6911	18	40809.113	40809.099	$20780_{9/2}$ – $61589°_{11/2}$	0.014		0.0004	1
2450.3227	8	40798.594	40798.600	$19070_{9/2}$ – $59869°_{7/2}$	–0.006		0.0009	1
2451.0229	7	40786.941	40786.928	$19637_{5/2}$ – $60424°_{7/2}$	0.013		0.0010	1
2451.477	109*p*	40779.389	40779.394	$1518_{3/2}$ – $42298°_{3/2}$	–0.005	1.85e+7	0.005	1w,7t
2451.646	2	40776.569	40776.549	$19442_{13/2}$ – $60219°_{11/2}$	0.020		0.004	1
2452.032	9	40770.15	40770.291	$20780_{9/2}$ – $61550°_{7/2}$	–0.14		0.013	5
2452.9130	11	40755.514	40755.505	$32950_{7/2}$ – $73705°_{9/2}$	0.009		0.0006	1
2453.7558	9	40741.517	40741.518	$23046_{7/2}$ – $63788°_{7/2}$	–0.001		0.0008	1
2455.7170	8	40708.982	40708.987	$18000_{7/2}$ – $58709°_{7/2}$	–0.005		0.0009	1
2455.8592	43	40706.624	40706.622	$20534_{11/2}$ – $61240°_{11/2}$	0.002		0.0002	1
2456.0688	12	40703.152	40703.155	$13434_{5/2}$ – $54137°_{3/2}$	–0.003		0.0006	1
2457.035	5	40687.15	40687.338	$18000_{7/2}$ – $58687°_{9/2}$	–0.19		0.013	5
2457.1580	31	40685.109	40685.106	$31100_{11/2}$ – $71785°_{9/2}$	0.003		0.0002	1
2457.685	4	40676.389	40676.400	$24804_{7/2}$ – $65481°_{5/2}$	–0.011		0.002	1
2458.0012	6	40671.154	40671.162	$26226_{5/2}$ – $66898°_{7/2}$	–0.008		0.0011	1
2458.5211	8	40662.554	40662.535	$16589_{7/2}$ – $57252°_{5/2}$	0.019		0.0009	1
2458.5683	24	40661.773	40661.774	$20455_{3/2}$ – $61117°_{3/2}$	–0.001		0.0003	1
2458.8285	16	40657.471	40657.478	$28377_{11/2}$ – $69035°_{13/2}$	–0.007		0.0005	1
2459.2272	5	40650.880	40650.884	$24804_{7/2}$ – $65455°_{7/2}$	–0.004		0.0013	1
2459.6036	10	40644.659	40644.655	$13411_{7/2}$ – $54056°_{9/2}$	0.004		0.0008	1
2459.8693	35	40640.269	40640.268	$16234_{5/2}$ – $56874°_{5/2}$	0.001		0.0002	1
2460.3810	10	40631.817	40631.822	$22502_{3/2}$ – $63134°_{3/2}$	–0.005		0.0007	1
2461.1430	18	40619.239	40619.238	$19637_{5/2}$ – $60256°_{7/2}$	0.001		0.0004	1
2461.2871	11	40616.861	40616.858	$20039_{7/2}$ – $60656°_{5/2}$	0.003		0.0006	1
2461.4379	16	40614.372	40614.370	$13411_{7/2}$ – $54026°_{5/2}$	0.002		0.0005	1
2461.573	17*bl*	40612.140	40612.105	$30632_{9/2}$ – $71245°_{9/2}$	0.035		0.004	1
2462.786	23*bl*	40592.134	40592.239	$13434_{5/2}$ – $54026°_{5/2}$	–0.105		0.014	1
2463.2293	14	40584.837	40584.829	$22139_{5/2}$ – $62724°_{3/2}$	0.008		0.0005	1
2463.9165	16	40573.519	40573.518	$27273_{7/2}$ – $67847°_{9/2}$	0.001		0.0005	1
2464.1430	7	40569.790	40569.791	$28490_{3/2}$ – $69060°_{5/2}$	–0.001		0.0010	1
2464.6179	30	40561.973	40561.975	$11301_{5/2}$ – $51862°_{7/2}$	–0.002		0.0003	1
2464.6842	5	40560.882	40560.877	$23955_{11/2}$ – $64516°_{9/2}$	0.005		0.0015	1
2465.1345	9	40553.473	40553.464	$23234_{9/2}$ – $63788°_{7/2}$	0.009		0.0008	1
2465.1607	12	40553.042	40553.048	$23803_{7/2}$ – $64356°_{7/2}$	–0.006		0.0006	1
2465.5935	15	40545.925	40545.923	$20780_{9/2}$ – $61326°_{7/2}$	0.002		0.0004	1
2465.6573	45	40544.875	40544.876	$26158_{9/2}$ – $66703°_{11/2}$	–0.001		0.0002	1
2465.9566	57	40539.954	40539.954	$19276_{5/2}$ – $59816°_{3/2}$	0.000		0.0002	1
2466.1367	8	40536.995	40537.003	$18000_{7/2}$ – $58537°_{7/2}$	–0.008		0.0010	1
2466.1733	10	40536.393	40536.395	$16553_{9/2}$ – $57089°_{9/2}$	–0.002		0.0012	1
			40536.383	$33910_{11/2}$ – $74446°_{9/2}$	0.010			1
2466.3259	21	40533.884	40533.887	$16234_{5/2}$ – $56768°_{7/2}$	–0.003		0.0003	1
2466.52281	205	40530.649	40530.649	$1518_{3/2}$ – $42049°_{5/2}$	0.000	2.26e+7	0.00006	1w,7t
2466.680	3	40528.062	40528.054	$14634_{3/2}$ – $55162°_{5/2}$	0.008		0.002	1
2467.0699	7	40521.662	40521.658	$20534_{11/2}$ – $61055°_{9/2}$	0.004		0.0009	1

TABLE 6. Observed lines of W II—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	σ_{calc} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	λ_{unc} (Å)[4]	Ref.[5]
2467.9985	9	40506.417	40506.412	$23803_{7/2}$ – $64310°_{5/2}$	0.005		0.0008	1
2468.3190	19	40501.157	40501.154	$28118_{5/2}$ – $68619°_{7/2}$	0.003		0.0004	1
2468.3967	46	40499.882	40499.879	$16589_{7/2}$ – $57089°_{9/2}$	0.003		0.0002	1
2469.2022	5	40486.672	40486.688	$22502_{3/2}$ – $62989°_{5/2}$	–0.016		0.0015	1
2469.8755	31	40475.636	40475.633	$25209_{9/2}$ – $65684°_{11/2}$	0.003		0.0003	1
2469.972	3	40474.058	40474.087	$28631_{7/2}$ – $69105°_{9/2}$	–0.029		0.002	1
2470.049	5?	40472.80	40472.397	$25672_{5/2}$ – $66144°_{5/2}$	0.40		0.013	5
2470.802	62*w*	40460.466	40460.455	$20780_{9/2}$ – $61240°_{11/2}$	0.011		0.006	1
2471.73814	63	40445.136	40445.135	$20455_{3/2}$ – $60901°_{5/2}$	0.001		0.00012	1
2472.377	2	40434.693	40434.735	$25209_{9/2}$ – $65643°_{7/2}$	–0.042		0.004	1
2472.7243	5	40429.007	40429.023	$28631_{7/2}$ – $69060°_{5/2}$	–0.016		0.0013	1
2473.2002	15	40421.228	40421.229	$22139_{5/2}$ – $62561°_{7/2}$	–0.001		0.0005	1
2474.261	1	40403.897	40403.883	$23803_{7/2}$ – $64207°_{9/2}$	0.014		0.008	1
2475.8407	24	40378.122	40378.121	$16234_{5/2}$ – $56612°_{7/2}$	0.001		0.0003	1
2477.157	9*d*	40356.66	40357.078	$28377_{11/2}$ – $68734°_{9/2}$	–0.42		0.013	5
2477.1942	23	40356.062	40356.064	$34090_{9/2}$ – $74446°_{9/2}$	–0.002		0.0004	1
2477.2773	24	40354.707	40354.704	$25672_{5/2}$ – $66026°_{7/2}$	0.003		0.0003	1
2477.79535	316	40346.271	40346.271	$6147_{9/2}$ – $46493°_{9/2}$	0.000	2.84e+7	0.00006	1w,7t
2478.2762	7	40338.443	40338.464	$31446_{7/2}$ – $71785°_{9/2}$	–0.021		0.0010	1
2478.3143	23	40337.824	40337.824	$23450_{5/2}$ – $63788°_{7/2}$	0.000		0.0003	1
2478.3980	5	40336.461	40336.469	$18000_{7/2}$ – $58337°_{5/2}$	–0.008		0.0014	1
2478.8698	11	40328.785	40328.789	$19070_{9/2}$ – $59399°_{9/2}$	–0.004		0.0007	1
2479.1053	13	40324.954	40324.949	$28118_{5/2}$ – $68443°_{5/2}$	0.005		0.0005	1
2480.0368	6	40309.809	40309.793	$16234_{5/2}$ – $56544°_{5/2}$	0.016		0.0011	1
2480.129	5	40308.30	40308.124	$24991_{3/2}$ – $65299°_{3/2}$	0.18		0.013	5
2480.8623	9	40296.396	40296.383	$19637_{5/2}$ – $59933°_{7/2}$	0.013		0.0007	1
2481.5408	40	40285.379	40285.380	$16589_{7/2}$ – $56874°_{5/2}$	–0.001		0.0002	1
2482.1502	8	40275.490	40275.491	$20780_{9/2}$ – $61055°_{9/2}$	–0.001		0.0009	1
2482.518	3	40269.531	40269.543	$30632_{9/2}$ – $70902°_{9/2}$	–0.012		0.003	1
2482.684	3	40266.829	40266.876	$13173_{1/2}$ – $53440°_{1/2}$	–0.047		0.003	1
2483.4465	10	40254.468	40254.477	$25045_{1/2}$ – $65299°_{3/2}$	–0.009		0.0007	1
2483.5843	13	40252.235	40252.236	$23955_{11/2}$ – $64207°_{9/2}$	–0.001		0.0006	1
2483.7401	17	40249.710	40249.713	$13173_{1/2}$ – $53423°_{3/2}$	–0.003		0.0004	1
2483.953	8*bl*	40246.258	40246.366	$29341_{9/2}$ – $69587°_{11/2}$	–0.108		0.004	1
			40246.263	$25209_{9/2}$ – $65455°_{7/2}$	–0.005			1
2484.0024	23	40245.461	40245.469	$15146_{7/2}$ – $55392°_{9/2}$	–0.008		0.0004	1
2484.124	5	40243.487	40243.486	$28118_{5/2}$ – $68362°_{7/2}$	0.001		0.002	1
2484.39840	98	40239.046	40239.044	$20039_{7/2}$ – $60278°_{9/2}$	0.002		0.00012	1
2484.8424	6	40231.856	40231.841	$19637_{5/2}$ – $59869°_{7/2}$	0.015		0.0012	1
2485.4680	10	40221.731	40221.739	$22502_{3/2}$ – $62724°_{3/2}$	–0.008		0.0007	1
2485.592	3	40219.717	40219.735	$23046_{7/2}$ – $63266°_{7/2}$	–0.018		0.003	1
2485.7697	9	40216.850	40216.865	$20039_{7/2}$ – $60256°_{7/2}$	–0.015		0.0007	1
2486.227	5	40209.460	40209.468	$20455_{3/2}$ – $60665°_{3/2}$	–0.008		0.002	1
2486.4218	28	40206.303	40206.304	$19070_{9/2}$ – $59276°_{7/2}$	–0.001		0.0003	1
2486.7716	6	40200.647	40200.652	$20455_{3/2}$ – $60656°_{5/2}$	–0.005		0.0013	1
2487.222	3	40193.367	40193.386	$22139_{5/2}$ – $62333°_{5/2}$	–0.019		0.002	1

TABLE 6. Observed lines of W II—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	σ_{calc} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	λ_{unc} (Å)[4]	Ref.[5]
2487.488	13*w*	40189.071	40189.080	$22535_{1/2}$ – $62724°_{3/2}$	–0.009		0.02	1
2487.671	9?	40186.11	40185.771	$24804_{7/2}$ – $64990°_{5/2}$	0.34		0.013	5
2488.1109	52	40179.009	40179.076	$19637_{5/2}$ – $59816°_{3/2}$	–0.067		0.0002	1
			40178.999	$16589_{7/2}$ – $56768°_{7/2}$	0.010			1
2488.76900	262	40168.386	40168.386	$7420_{5/2}$ – $47588°_{3/2}$	0.000	1.26e+8	0.00006	1w,7t
2488.9313	22	40165.767	40165.772	$14857_{9/2}$ – $55022°_{7/2}$	–0.005		0.0004	1
2489.23102	422	40160.931	40160.931	$4716_{7/2}$ – $44877°_{7/2}$	0.000	6.95e+7	0.00006	1w,7t
2489.5103	23	40156.426	40156.425	$13173_{1/2}$ – $53329°_{3/2}$	0.001		0.0003	1
2489.8953	12	40150.217	40150.211	$8832_{1/2}$ – $48982°_{3/2}$	0.006	7.11e+6	0.0006	1w,7t
2490.2345	13	40144.748	40144.746	$31100_{11/2}$ – $71245°_{9/2}$	0.002		0.0006	1
2490.5777	20	40139.217	40139.216	$22194_{7/2}$ – $62333°_{5/2}$	0.001		0.0004	1
2490.714	30*p*	40137.027	40137.040	$11301_{5/2}$ – $51438°_{5/2}$	–0.013		0.011	1
2491.1584	6	40129.861	40129.838	$25169_{3/2}$ – $65299°_{3/2}$	0.023		0.0014	1
2491.7843	8	40119.782	40119.781	$31100_{11/2}$ – $71220°_{13/2}$	0.001		0.0009	1
2491.935	5*bl*	40117.35	40117.313	$25209_{9/2}$ – $65326°_{11/2}$	0.04		0.013	5
2492.2415	24	40112.422	40112.422	$26158_{9/2}$ – $66271°_{9/2}$	0.000		0.0003	1
2492.829	3	40102.977	40102.975	$28631_{7/2}$ – $68734°_{9/2}$	0.002		0.003	1
2492.92576	89	40101.413	40101.413	$14857_{9/2}$ – $54958°_{11/2}$	0.000		0.00012	1
2493.035	3	40099.654	40099.646	$26929_{11/2}$ – $67028°_{9/2}$	0.008		0.002	1
2493.5291	6	40091.711	40091.713	$24804_{7/2}$ – $64896°_{7/2}$	–0.002		0.0012	1
2494.8649	8	40070.246	40070.249	$14634_{3/2}$ – $54704°_{5/2}$	–0.003		0.0009	1
2495.260	26*bl*	40063.903	40063.888	$31100_{11/2}$ – $71164°_{11/2}$	0.015		0.013	1
2495.5186	23	40059.750	40059.749	$16553_{9/2}$ – $56612°_{7/2}$	0.001		0.0003	1
2495.7435	19	40056.141	40056.139	$30618_{5/2}$ – $70674°_{7/2}$	0.002		0.0004	1
2496.63628	142	40041.818	40041.817	$4716_{7/2}$ – $44758°_{9/2}$	0.001	9.62e+6	0.00006	1w,7t
2496.6713	34	40041.256	40041.257	$30632_{9/2}$ – $70674°_{7/2}$	–0.001		0.0002	1
2497.47880	159	40028.311	40028.310	$6147_{9/2}$ – $46175°_{7/2}$	0.001		0.00006	1
2499.2201	33	40000.423	40000.423	$19276_{5/2}$ – $59276°_{7/2}$	0.000		0.0002	1
2499.3215	8	39998.801	39998.792	$24991_{3/2}$ – $64990°_{5/2}$	0.009		0.0009	1
2499.68342	136	39993.010	39993.009	$7420_{5/2}$ – $47413°_{5/2}$	0.001		0.00006	1
2499.9349	13	39988.987	39988.980	$13434_{5/2}$ – $53423°_{3/2}$	0.007		0.0006	1
2499.9775	13	39988.306	39988.302	$28631_{7/2}$ – $68619°_{7/2}$	0.004		0.0006	1
2500.10210	127	39986.313	39986.312	$18000_{7/2}$ – $57986°_{9/2}$	0.001		0.00006	1
2500.2118	6	39984.558	39984.540	$23803_{7/2}$ – $63788°_{7/2}$	0.018		0.0014	1
2501.0056	11	39971.869	39971.869	$25672_{5/2}$ – $65643°_{7/2}$	0.000		0.0007	1
2501.3415	30	39966.501	39966.499	$19403_{1/2}$ – $59370°_{3/2}$	0.002		0.0003	1
2501.872	3	39958.034	39958.072	$13411_{7/2}$ – $53370°_{9/2}$	–0.038		0.003	1
2502.0675	11	39954.906	39954.905	$16589_{7/2}$ – $56544°_{5/2}$	0.001		0.0006	1
2502.161	5	39953.413	39953.405	$11301_{5/2}$ – $51254°_{3/2}$	0.008		0.002	1
2502.1962	5	39952.851	39952.865	$28490_{3/2}$ – $68443°_{5/2}$	–0.014		0.0014	1
2503.870	2	39926.149	39926.136	$13411_{7/2}$ – $53338°_{7/2}$	0.013		0.004	1
2505.7813	5	39895.692	39895.692	$13434_{5/2}$ – $53329°_{3/2}$	0.000		0.0014	1
2506.04908	100	39891.430	39891.428	$28187_{13/2}$ – $68079°_{13/2}$	0.002		0.00013	1
2507.2088	20	39872.980	39872.980	$31347_{13/2}$ – $71220°_{13/2}$	0.000		0.0004	1
2507.9898	21	39860.564	39860.562	$16553_{9/2}$ – $56413°_{9/2}$	0.002		0.0004	1
2508.270	3	39856.107	39856.132	$18000_{7/2}$ – $57856°_{5/2}$	–0.025		0.003	1

TABLE 6. Observed lines of W II—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	σ_{calc} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	λ_{unc} (Å)[4]	Ref.[5]
2508.568	5	39851.378	39851.365	$14634_{3/2}$ – $54485°_{1/2}$	0.013		0.002	1
2508.6787	9	39849.618	39849.611	$16234_{5/2}$ – $56084°_{3/2}$	0.007		0.0008	1
2509.9482	27	39829.465	39829.468	$20039_{7/2}$ – $59869°_{7/2}$	–0.003		0.0003	1
2510.2260	10	39825.057	39825.049	$28187_{13/2}$ – $68012°_{11/2}$	0.008		0.0008	1
2510.336	7	39823.31	39823.482	$16553_{9/2}$ – $56376°_{11/2}$	–0.17		0.013	5
2510.46964	141	39821.192	39821.192	$19070_{9/2}$ – $58891°_{11/2}$	0.000		0.00006	1
2510.5130	14	39820.504	39820.506	$25169_{3/2}$ – $64990°_{5/2}$	–0.002		0.0006	1
2510.795	6	39816.039	39816.041	$23450_{5/2}$ – $63266°_{7/2}$	–0.002		0.002	1
2511.0139	8	39812.561	39812.582	$24991_{3/2}$ – $64804°_{3/2}$	–0.021		0.0009	1
2511.2435	8	39808.921	39808.913	$25672_{5/2}$ – $65481°_{5/2}$	0.008		0.0010	1
2511.444	5	39805.738	39805.742	$19637_{5/2}$ – $59443°_{5/2}$	–0.004		0.002	1
2511.8138	5	39799.884	39799.906	$26226_{5/2}$ – $66026°_{7/2}$	–0.022		0.0015	1
2512.184	2	39794.012	39794.059	$25209_{9/2}$ – $65003°_{9/2}$	–0.047		0.005	1
2512.8547	18	39783.399	39783.397	$25672_{5/2}$ – $65455°_{7/2}$	0.002		0.0004	1
2513.4201	28	39774.450	39774.449	$26929_{11/2}$ – $66703°_{11/2}$	0.001		0.0003	1
2514.0589	11	39764.344	39764.349	$29341_{9/2}$ – $69105°_{9/2}$	–0.005		0.0007	1
2514.327	7*d*	39760.10	39759.939	$25209_{9/2}$ – $64969°_{11/2}$	0.16		0.013	5
2514.364	7*d*	39759.52	39759.680	$7420_{5/2}$ – $47179°_{3/2}$	–0.16	9.28e+5	0.013	5w,7t
2514.5161	25	39757.115	39757.113	$18990_{3/2}$ – $58748°_{3/2}$	0.002		0.0003	1
2515.3121	16	39744.534	39744.535	$20534_{11/2}$ – $60278°_{9/2}$	–0.001		0.0005	1
2515.5028	12	39741.521	39741.523	$14634_{3/2}$ – $54375°_{5/2}$	–0.002		0.0006	1
2515.7989	10	39736.844	39736.840	$14967_{5/2}$ – $54704°_{5/2}$	0.004		0.0008	1
2516.1223	16	39731.737	39731.736	$23234_{9/2}$ – $62966°_{11/2}$	0.001		0.0005	1
2516.193	3	39730.626	39730.634	$28631_{7/2}$ – $68362°_{7/2}$	–0.008		0.002	1
2516.271	4	39729.391	39729.367	$18000_{7/2}$ – $57729°_{7/2}$	0.024		0.002	1
2517.3972	36	39711.617	39711.614	$24804_{7/2}$ – $64516°_{9/2}$	0.003		0.0002	1
2518.045	4	39701.399	39701.421	$28377_{11/2}$ – $68079°_{13/2}$	–0.022		0.002	1
2518.047	3	39701.37	39701.594	$13411_{7/2}$ – $53113°_{5/2}$	–0.22		0.013	5
2518.1422	53	39699.868	39699.869	$10592_{3/2}$ – $50292°_{5/2}$	–0.001	1.79e+7	0.0002	1w,7t
2518.954	3	39687.077	39687.092	$25209_{9/2}$ – $64896°_{7/2}$	–0.015		0.002	1
2519.0967	7	39684.827	39684.824	$20534_{11/2}$ – $60219°_{11/2}$	0.003		0.0011	1
2519.1255	7	39684.373	39684.355	$23450_{5/2}$ – $63134°_{3/2}$	0.018		0.0011	1
2519.4371	20	39679.466	39679.463	$13434_{5/2}$ – $53113°_{5/2}$	0.003		0.0004	1
2520.073	4	39669.447	39669.435	$23046_{7/2}$ – $62716°_{9/2}$	0.012		0.002	1
2521.1472	24	39652.552	39652.550	$17436_{11/2}$ – $57089°_{9/2}$	0.002		0.0003	1
2521.5103	9	39646.843	39646.843	$32950_{7/2}$ – $72597°_{7/2}$	0.000		0.0008	1
2521.6997	5	39643.866	39643.879	$20780_{9/2}$ – $60424°_{7/2}$	–0.013		0.0015	1
2521.853	3	39641.449	39641.448	$14857_{9/2}$ – $54498°_{7/2}$	0.001		0.002	1
2521.9745	26	39639.546	39639.545	$19637_{5/2}$ – $59276°_{7/2}$	0.001		0.0003	1
2522.04075	169	39638.505	39638.506	$4716_{7/2}$ – $44354°_{5/2}$	–0.001	2.48e+7	0.00006	1w,7t
2522.2609	16	39635.046	39635.042	$28377_{11/2}$ – $68012°_{11/2}$	0.004		0.0004	1
2522.699	3	39628.161	39628.156	$22502_{3/2}$ – $62131°_{1/2}$	0.005		0.003	1
2522.7335	9	39627.621	39627.616	$25672_{5/2}$ – $65299°_{3/2}$	0.005		0.0008	1
2522.945	4	39624.292	39624.306	$27273_{7/2}$ – $66898°_{7/2}$	–0.014		0.002	1
2523.384	2	39617.402	39617.415	$19070_{9/2}$ – $58687°_{9/2}$	–0.013		0.004	1
2524.0201	10	39607.422	39607.435	$32950_{7/2}$ – $72557°_{9/2}$	–0.013		0.0008	1

TABLE 6. Observed lines of W II—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	σ_{calc} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	λ_{unc} (Å)[4]	Ref.[5]
2526.2023	7	39573.210	39573.224	$8711_{3/2}$ – $48284°_{5/2}$	–0.014		0.0013	1
2527.1995	11	39557.597	39557.608	$15146_{7/2}$ – $54704°_{5/2}$	–0.011		0.0007	1
2527.5485	19	39552.135	39552.138	$24804_{7/2}$ – $64356°_{7/2}$	–0.003		0.0004	1
2528.160	9	39542.57	39542.537	$27273_{7/2}$ – $66816°_{9/2}$	0.03		0.013	5
2528.5486	11	39536.492	39536.491	$20455_{3/2}$ – $59992°_{5/2}$	0.001		0.0007	1
2528.9086	18	39530.865	39530.863	$14967_{5/2}$ – $54498°_{7/2}$	0.002		0.0004	1
2529.2011	15	39526.293	39526.285	$26158_{9/2}$ – $65684°_{11/2}$	0.008		0.0005	1
2530.533	4	39505.493	39505.502	$24804_{7/2}$ – $64310°_{5/2}$	–0.009		0.002	1
2530.7001	11	39502.882	39502.889	$14634_{3/2}$ – $54137°_{3/2}$	–0.007		0.0007	1
2530.969	48*p*	39498.680	39498.703	$31347_{13/2}$ – $70845°_{15/2}$	–0.023		0.005	1
2532.4107	7	39476.201	39476.189	$20780_{9/2}$ – $60256°_{7/2}$	0.012		0.0010	1
2532.7048	6	39471.616	39471.611	$19276_{5/2}$ – $58748°_{3/2}$	0.005		0.0014	1
2532.827	3	39469.708	39469.686	$28377_{11/2}$ – $67847°_{9/2}$	0.022		0.003	1
2532.9549	15	39467.719	39467.724	$13434_{5/2}$ – $52901°_{7/2}$	–0.005		0.0005	1
2532.9959	7	39467.080	39467.080	$19070_{9/2}$ – $58537°_{7/2}$	0.000		0.0011	1
2533.2738	8	39462.752	39462.757	$23803_{7/2}$ – $63266°_{7/2}$	–0.005		0.0010	1
2534.1392	42	39449.276	39449.276	$19442_{13/2}$ – $58891°_{11/2}$	0.000		0.0002	1
2534.82157	128	39438.657	39438.657	$20780_{9/2}$ – $60219°_{11/2}$	0.000		0.00006	1
2535.174	2	39433.177	39433.183	$19276_{5/2}$ – $58709°_{7/2}$	–0.006		0.004	1
2535.5715	18	39426.994	39426.993	$22139_{5/2}$ – $61566°_{5/2}$	0.001		0.0004	1
2535.9939	48	39420.426	39420.429	$13173_{1/2}$ – $52593°_{1/2}$	–0.003		0.0002	1
2536.6142	21	39410.788	39410.788	$22139_{5/2}$ – $61550°_{7/2}$	0.000		0.0003	1
2537.126	15	39402.84	39402.973	$24804_{7/2}$ – $64207°_{9/2}$	–0.13		0.013	5
2537.714	5?	39393.71	39393.237	$29341_{9/2}$ – $68734°_{9/2}$	0.47		0.013	5
2537.814	3	39392.16	39391.973	$14634_{3/2}$ – $54026°_{5/2}$	0.19		0.013	5
2539.3104	42	39368.945	39368.942	$13434_{5/2}$ – $52803°_{3/2}$	0.003		0.0002	1
2539.8555	16	39360.495	39360.497	$20455_{3/2}$ – $59816°_{3/2}$	–0.002		0.0005	1
2539.9098	33	39359.655	39359.657	$20039_{7/2}$ – $59399°_{9/2}$	–0.002		0.0003	1
2540.098	3	39356.73	39356.618	$22194_{7/2}$ – $61550°_{7/2}$	0.11		0.013	5
2540.1611	7	39355.761	39355.769	$33910_{11/2}$ – $73266°_{11/2}$	–0.008		0.0010	1
2540.419	3	39351.76	39351.631	$15146_{7/2}$ – $54498°_{7/2}$	0.13		0.013	5
2540.794	3	39345.96	39346.167	$18990_{3/2}$ – $58337°_{5/2}$	–0.21		0.013	5
2540.9181	7	39344.036	39344.051	$19403_{1/2}$ – $58748°_{3/2}$	–0.015		0.0012	1
2541.0500	26	39341.995	39341.995	$26929_{11/2}$ – $66271°_{9/2}$	0.000		0.0003	1
2542.5827	10	39318.280	39318.284	$25672_{5/2}$ – $64990°_{5/2}$	–0.004		0.0008	1
2542.6093	12	39317.869	39317.870	$18990_{3/2}$ – $58308°_{1/2}$	–0.001		0.0006	1
2543.3128	13	39306.994	39306.993	$25209_{9/2}$ – $64516°_{9/2}$	0.001		0.0006	1
2544.795	15	39284.09	39284.131	$23046_{7/2}$ – $62330°_{9/2}$	–0.04		0.013	5
2546.123	2	39263.610	39263.571	$24991_{3/2}$ – $64255°_{3/2}$	0.039		0.004	1
2546.2795	32	39261.199	39261.199	$19276_{5/2}$ – $58537°_{7/2}$	0.000		0.0003	1
2546.4887	5	39257.974	39257.968	$30223_{3/2}$ – $69481°_{5/2}$	0.006		0.0014	1
2546.7841	16	39253.422	39253.419	$16234_{5/2}$ – $55488°_{3/2}$	0.003		0.0005	1
2546.908	4	39251.505	39251.511	$18000_{7/2}$ – $57252°_{5/2}$	–0.006		0.002	1
2547.839	4	39237.169	39237.172	$20039_{7/2}$ – $59276°_{7/2}$	–0.003		0.002	1
2548.3776	20	39228.878	39228.882	$15146_{7/2}$ – $54375°_{5/2}$	–0.004		0.0004	1

TABLE 6. Observed lines of W II—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	σ_{calc} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	λ_{unc} (Å)[4]	Ref.[5]
2548.485	7*p*	39227.232	39227.256	$31446_{7/2}$ – $70674°_{7/2}$	–0.024		0.005	1
2548.6797	5	39224.228	39224.226	$25672_{5/2}$ – $64896°_{7/2}$	0.002		0.0014	1
2549.09651	57	39217.815	39217.814	$3172_{5/2}$ – $42390°_{7/2}$	0.001	1.36e+6	0.00013	1w,7t
2549.2424	6	39215.570	39215.583	$28631_{7/2}$ – $67847°_{9/2}$	–0.013		0.0014	1
2549.610	4	39209.924	39209.924	$25045_{1/2}$ – $64255°_{3/2}$	0.000		0.002	1
2550.106	4	39202.290	39202.308	$23234_{9/2}$ – $62437°_{9/2}$	–0.018		0.002	1
2550.2924	14	39199.426	39199.434	$14857_{9/2}$ – $54056°_{9/2}$	–0.008		0.0005	1
2551.1394	14	39186.412	39186.420	$22139_{5/2}$ – $61326°_{7/2}$	–0.008		0.0005	1
2551.4324	40	39181.913	39181.913	$13173_{1/2}$ – $52355°_{1/2}$	0.000		0.0002	1
2552.2422	13	39169.482	39169.480	$14967_{5/2}$ – $54137°_{3/2}$	0.002		0.0006	1
2552.34102	56	39167.965	39167.965	$26158_{9/2}$ – $65326°_{11/2}$	0.000		0.00013	1
2553.164	51*p*	39155.342	39155.337	$13411_{7/2}$ – $52567°_{9/2}$	0.005		0.003	1
2553.2945	10	39153.339	39153.334	$20780_{9/2}$ – $59933°_{7/2}$	0.005		0.0008	1
2554.149	2	39140.248	39140.237	$25169_{3/2}$ – $64310°_{5/2}$	0.011		0.004	1
2554.64875	91	39132.585	39132.585	$23955_{11/2}$ – $63087°_{13/2}$	0.000		0.00013	1
2554.683	4	39132.065	39132.074	$25672_{5/2}$ – $64804°_{3/2}$	–0.009		0.003	1
2554.730	4	39131.338	39131.346	$35315_{7/2}$ – $74446°_{9/2}$	–0.008		0.002	1
2554.8195	15	39129.970	39129.975	$11301_{5/2}$ – $50430°_{3/2}$	–0.005		0.0005	1
2554.85272	156	39129.461	39129.460	$0_{1/2}$ – $39129°_{3/2}$	0.001	1.78e+7	0.00007	1w,7t
2555.09506	224	39125.750	39125.750	$3172_{5/2}$ – $42298°_{3/2}$	0.000	4.06e+7	0.00007	1w,7t
2556.0798	6	39110.677	39110.672	$23450_{5/2}$ – $62561°_{7/2}$	0.005		0.0012	1
2557.509	4	39088.830	39088.855	$18000_{7/2}$ – $57089°_{9/2}$	–0.025		0.006	1
			39088.792	$20780_{9/2}$ – $59869°_{7/2}$	0.038			1
2558.5563	10	39072.824	39072.818	$26226_{5/2}$ – $65299°_{3/2}$	0.006		0.0007	1
2559.4904	34	39058.565	39058.564	$14967_{5/2}$ – $54026°_{5/2}$	0.001		0.0003	1
2559.7425	6	39054.718	39054.719	$28118_{5/2}$ – $67173°_{5/2}$	–0.001		0.0012	1
2560.782	5	39038.86	39038.920	$24991_{3/2}$ – $64030°_{5/2}$	–0.06		0.013	5
2561.9610	24	39020.902	39020.896	$29341_{9/2}$ – $68362°_{7/2}$	0.006		0.0004	1
2562.2330	10	39016.760	39016.761	$18990_{3/2}$ – $58007°_{3/2}$	–0.001		0.0008	1
2562.6016	6	39011.148	39011.165	$23955_{11/2}$ – $62966°_{11/2}$	–0.017		0.0012	1
2563.15595	212	39002.711	39002.711	$17436_{11/2}$ – $56439°_{13/2}$	0.000		0.00007	1
2563.436	5	38998.45	38998.352	$25209_{9/2}$ – $64207°_{9/2}$	0.10		0.013	5
2563.5146	6	38997.254	38997.250	$27273_{7/2}$ – $66271°_{9/2}$	0.004		0.0012	1
2563.9041	28	38991.330	38991.330	$11301_{5/2}$ – $50292°_{5/2}$	0.000	1.14e+7	0.0003	1w,7t
2564.409	5	38983.649	38983.630	$24804_{7/2}$ – $63788°_{7/2}$	0.019		0.002	1
2565.816	5	38962.282	38962.289	$30618_{5/2}$ – $69580°_{7/2}$	–0.007		0.002	1
2566.3035	8	38954.877	38954.865	$30632_{9/2}$ – $69587°_{11/2}$	0.012		0.0009	1
2567.299	5	38939.77	38939.637	$17436_{11/2}$ – $56376°_{11/2}$	0.13		0.013	5
2567.6050	24	38935.133	38935.143	$7420_{5/2}$ – $46355°_{5/2}$	–0.010		0.0004	1
2568.0969	17	38927.676	38927.675	$16234_{5/2}$ – $55162°_{5/2}$	0.001		0.0005	1
2568.8418	51	38916.389	38916.389	$19070_{9/2}$ – $57986°_{9/2}$	0.000		0.0002	1
2569.1008	7	38912.465	38912.457	$23803_{7/2}$ – $62716°_{9/2}$	0.008		0.0011	1
2569.28888	83	38909.617	38909.617	$15146_{7/2}$ – $54056°_{9/2}$	0.000		0.00013	1
2569.9042	15*bl*	38900.302	38900.321	$19637_{5/2}$ – $58537°_{7/2}$	–0.019		0.0007	1
			38900.243	$31100_{11/2}$ – $70000°_{13/2}$	0.059			1
2571.44433	364	38877.004	38877.005	$3172_{5/2}$ – $42049°_{5/2}$	–0.001	4.38e+7	0.00007	1w,7t

TABLE 6. Observed lines of W II—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	σ_{calc} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	λ_{unc} (Å)[4]	Ref.[5]
2571.6194	30	38874.357	38874.356	$18000_{7/2}$ – $56874°_{5/2}$	0.001		0.0003	1
2571.847	5	38870.92	38870.743	$27273_{7/2}$ – $66144°_{5/2}$	0.18		0.013	5
2572.22881	115	38865.148	38865.148	$20534_{11/2}$ – $59399°_{9/2}$	0.000		0.00007	1
2572.3475	58	38863.355	38863.352	$13411_{7/2}$ – $52275°_{7/2}$	0.003		0.0002	1
2572.528	2	38860.631	38860.634	$25169_{3/2}$ – $64030°_{5/2}$	–0.003		0.004	1
2573.5823	12	38844.710	38844.711	$26158_{9/2}$ – $65003°_{9/2}$	–0.001		0.0007	1
2573.8129	14	38841.230	38841.221	$13434_{5/2}$ – $52275°_{7/2}$	0.009		0.0005	1
2573.941	7*bl*	38839.293	38839.359	$16553_{9/2}$ – $55392°_{9/2}$	–0.066		0.014	1
2574.2308	8	38834.924	38834.932	$32950_{7/2}$ – $71785°_{9/2}$	–0.008		0.0009	1
2575.878	9?	38810.08	38810.591	$26158_{9/2}$ – $64969°_{11/2}$	–0.51		0.013	5
2576.1578	38	38805.877	38805.877	$14634_{3/2}$ – $53440°_{1/2}$	0.000		0.0002	1
2576.3591	39	38802.846	38802.843	$16589_{7/2}$ – $55392°_{9/2}$	0.003		0.0002	1
2577.2976	8	38788.717	38788.714	$14634_{3/2}$ – $53423°_{3/2}$	0.003		0.0009	1
2578.343	4	38772.986	38773.005	$26526_{1/2}$ – $65299°_{3/2}$	–0.019		0.002	1
2578.676	5	38767.98	38767.975	$18000_{7/2}$ – $56768°_{7/2}$	0.01		0.013	5
2578.974	5	38763.51	38763.486	$26226_{5/2}$ – $64990°_{5/2}$	0.02		0.013	5
2579.25204	147	38759.326	38759.326	$23955_{11/2}$ – $62714°_{13/2}$	0.000		0.00007	1
2579.3813	32	38757.384	38757.388	$23803_{7/2}$ – $62561°_{7/2}$	–0.004		0.0003	1
2579.48279	113	38755.859	38755.858	$26929_{11/2}$ – $65684°_{11/2}$	0.001		0.00007	1
2579.53111	138	38755.133	38755.134	$7420_{5/2}$ – $46175°_{7/2}$	–0.001		0.00007	1
2580.687	25	38737.77	38737.744	$26158_{9/2}$ – $64896°_{7/2}$	0.03		0.013	5
2581.1212	29	38731.260	38731.259	$19276_{5/2}$ – $58007°_{3/2}$	0.001		0.0003	1
2581.199	47*w*	38730.093	38730.124	$6147_{9/2}$ – $44877°_{7/2}$	–0.031	8.99e+6	0.009	1w,7t
2582.5125	7	38710.395	38710.388	$25169_{3/2}$ – $63880°_{5/2}$	0.007		0.0011	1
2582.7393	6	38706.996	38706.992	$22194_{7/2}$ – $60901°_{5/2}$	0.004		0.0014	1
2583.219	8*p*	38699.808	38699.787	$19637_{5/2}$ – $58337°_{5/2}$	0.021		0.005	1
2583.509	5	38695.47	38695.426	$14634_{3/2}$ – $53329°_{3/2}$	0.04		0.013	5
2584.231	6*p*	38684.656	38684.651	$25672_{5/2}$ – $64356°_{7/2}$	0.005		0.004	1
2585.008	4	38673.021	38673.015	$31538_{5/2}$ – $70211°_{7/2}$	0.006		0.002	1
2585.1295	6	38671.210	38671.201	$29341_{9/2}$ – $68012°_{11/2}$	0.009		0.0015	1
2585.2153	7	38669.927	38669.932	$20039_{7/2}$ – $58709°_{7/2}$	–0.005		0.0013	1
2585.257	3	38669.30	38669.428	$26226_{5/2}$ – $64896°_{7/2}$	–0.13		0.013	5
2585.9164	48	38659.443	38659.444	$19070_{9/2}$ – $57729°_{7/2}$	–0.001		0.0002	1
2586.3177	10	38653.444	38653.442	$31347_{13/2}$ – $70000°_{13/2}$	0.002		0.0007	1
2586.3442	9	38653.048	38653.040	$13434_{5/2}$ – $52087°_{5/2}$	0.008		0.0009	1
2586.577	4	38649.570	38649.557	$10592_{3/2}$ – $49242°_{5/2}$	0.013	2.68e+6	0.002	1w,7t
2586.726	4	38647.351	38647.347	$33910_{11/2}$ – $72557°_{9/2}$	0.004		0.002	1
2587.350	5	38638.020	38638.015	$25672_{5/2}$ – $64310°_{5/2}$	0.005		0.002	1
2587.6604	11	38633.389	38633.384	$23803_{7/2}$ – $62437°_{9/2}$	0.005		0.0007	1
2588.5377	6	38620.296	38620.287	$35826_{9/2}$ – $74446°_{9/2}$	0.009		0.0013	1
2589.081	18*p*	38612.200	38612.209	$18000_{7/2}$ – $56612°_{7/2}$	–0.009		0.002	1
2589.16038	285	38611.009	38611.010	$6147_{9/2}$ – $44758°_{9/2}$	–0.001	1.82e+7	0.00007	1w,7t
2589.6512	10	38603.692	38603.699	$19403_{1/2}$ – $58007°_{3/2}$	–0.007		0.0007	1
2591.4890	14	38576.316	38576.313	$0_{1/2}$ – $38576°_{1/2}$	0.003	3.90e+6	0.0007	1w,7t
2591.7267	5	38572.779	38572.787	$16589_{7/2}$ – $55162°_{5/2}$	–0.008		0.0015	1
2594.635	3	38529.539	38529.545	$23803_{7/2}$ – $62333°_{5/2}$	–0.006		0.003	1

TABLE 6. Observed lines of W II—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	σ_{calc} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	λ_{unc} (Å)[4]	Ref.[5]
2594.7963	8	38527.151	38527.153	$23803_{7/2}$ – $62330°_{9/2}$	–0.002		0.0009	1
2595.5016	9	38516.682	38516.679	$22139_{5/2}$ – $60656°_{5/2}$	0.003		0.0008	1
2595.5560	6	38515.875	38515.879	$28187_{13/2}$ – $66703°_{11/2}$	–0.004		0.0013	1
2595.7587	6	38512.867	38512.851	$14857_{9/2}$ – $53370°_{9/2}$	0.016		0.0013	1
2596.1927	5	38506.429	38506.436	$34090_{9/2}$ – $72597°_{7/2}$	–0.007		0.0015	1
2596.231	2	38505.864	38505.845	$29341_{9/2}$ – $67847°_{9/2}$	0.019		0.004	1
2596.369	3	38503.82	38503.925	$23046_{7/2}$ – $61550°_{7/2}$	–0.10		0.013	5
2596.8625	21	38496.499	38496.496	$20780_{9/2}$ – $59276°_{7/2}$	0.003		0.0004	1
2597.8584	28	38481.742	38481.737	$23955_{11/2}$ – $62437°_{9/2}$	0.005		0.0003	1
2598.6609	10	38469.858	38469.870	$16234_{5/2}$ – $54704°_{5/2}$	–0.012		0.0013	1
			38469.845	$16553_{9/2}$ – $55022°_{7/2}$	0.013			1
2598.74161	65	38468.664	38468.667	$8711_{3/2}$ – $47179°_{3/2}$	–0.003	3.19e+7	0.00014	1w,7t
2599.180	3	38462.18	38462.509	$22194_{7/2}$ – $60656°_{5/2}$	–0.33		0.013	5
			38461.847	$24804_{7/2}$ – $63266°_{7/2}$	0.33			5
2599.6446	16	38455.303	38455.305	$14967_{5/2}$ – $53423°_{3/2}$	–0.002		0.0005	1
2599.7626	28	38453.558	38453.563	$19276_{5/2}$ – $57729°_{7/2}$	–0.005		0.0003	1
2599.910	5?	38451.38	38451.060	$13411_{7/2}$ – $51862°_{7/2}$	0.32		0.013	5
2600.774	5	38438.60	38438.705	$28377_{11/2}$ – $66816°_{9/2}$	–0.10		0.013	5
2601.1321	7	38433.313	38433.329	$16589_{7/2}$ – $55022°_{7/2}$	–0.016		0.0011	1
2601.4290	29	38428.927	38428.929	$13434_{5/2}$ – $51862°_{7/2}$	–0.002		0.0003	1
2602.168	4	38418.012	38418.013	$1518_{3/2}$ – $39936°_{5/2}$	–0.001		0.002	1
2602.50617	92	38413.022	38413.022	$18000_{7/2}$ – $56413°_{9/2}$	0.000		0.00014	1
2603.01680	137	38405.487	38405.486	$16553_{9/2}$ – $54958°_{11/2}$	0.001		0.00007	1
2603.5947	7	38396.963	38396.966	$28631_{7/2}$ – $67028°_{9/2}$	–0.003		0.0011	1
2604.038	6	38390.428	38390.454	$10592_{3/2}$ – $48982°_{3/2}$	–0.026	3.44e+6	0.007	1w,7t
			38390.380	$35315_{7/2}$ – $73705°_{9/2}$	0.048			1
2605.403	9	38370.315	38370.381	$19637_{5/2}$ – $58007°_{3/2}$	–0.066		0.005	1
			38370.330	$14967_{5/2}$ – $53338°_{7/2}$	–0.015			1
			38370.215	$27273_{7/2}$ – $65643°_{7/2}$	0.100			1
2605.882	7*bl*	38363.255	38363.284	$13173_{1/2}$ – $51536°_{1/2}$	–0.029		0.008	1
2605.9667	22	38362.015	38362.017	$14967_{5/2}$ – $53329°_{3/2}$	–0.002		0.0003	1
2606.2117	9	38358.410	38358.412	$25672_{5/2}$ – $64030°_{5/2}$	–0.002		0.0009	1
2606.2691	39*p*	38357.565	38357.551	$20534_{11/2}$ – $58891°_{11/2}$	0.014		0.0008	1
2606.46520	69	38354.679	38354.679	$23234_{9/2}$ – $61589°_{11/2}$	0.000		0.00014	1
2606.9726	23	38347.214	38347.213	$8832_{1/2}$ – $47179°_{3/2}$	0.001	7.64e+6	0.0003	1w,7t
2607.8118	20	38334.875	38334.871	$22139_{5/2}$ – $60474°_{5/2}$	0.004		0.0004	1
2608.4239	5	38325.880	38325.872	$28377_{11/2}$ – $66703°_{11/2}$	0.008		0.0015	1
2609.1053	8	38315.871	38315.871	$23234_{9/2}$ – $61550°_{7/2}$	0.000		0.0010	1
2609.2426	37	38313.855	38313.854	$23046_{7/2}$ – $61360°_{9/2}$	0.001		0.0002	1
2610.5571	5	38294.564	38294.572	$32950_{7/2}$ – $71245°_{9/2}$	–0.008		0.0015	1
2610.722	3	38292.138	38292.154	$20455_{3/2}$ – $58748°_{3/2}$	–0.016		0.003	1
2611.251	5	38284.381	38284.376	$22139_{5/2}$ – $60424°_{7/2}$	0.005		0.002	1
2611.580	4	38279.560	38279.557	$23046_{7/2}$ – $61326°_{7/2}$	0.003		0.002	1
2611.862	11	38275.43	38275.742	$30223_{3/2}$ – $68499°_{3/2}$	–0.31		0.013	5
2612.2271	17	38270.083	38270.084	$33910_{11/2}$ – $72180°_{11/2}$	–0.001		0.0005	1
2612.6495	16	38263.897	38263.893	$16234_{5/2}$ – $54498°_{7/2}$	0.004		0.0005	1

TABLE 6. Observed lines of W II—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	σ_{calc} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	λ_{unc} (Å)[4]	Ref.[5]
2612.796	5?	38261.74	38261.209	$18990_{3/2}$ – $57252°_{5/2}$	0.53		0.013	5
2614.232	4	38240.731	38240.705	$31347_{13/2}$ – $69587°_{11/2}$	0.026		0.002	1
2615.44267	82	38223.035	38223.034	$15146_{7/2}$ – $53370°_{9/2}$	0.001		0.00014	1
2615.661	7	38219.84	38220.041	$30223_{3/2}$ – $68443°_{5/2}$	–0.20		0.013	5
2615.6884	16	38219.444	38219.450	$19637_{5/2}$ – $57856°_{5/2}$	–0.006		0.0005	1
2617.156	3	38198.01	38198.169	$26158_{9/2}$ – $64356°_{7/2}$	–0.16		0.013	5
2617.6302	8	38191.095	38191.098	$15146_{7/2}$ – $53338°_{7/2}$	–0.003		0.0010	1
2618.048	4	38185.004	38185.027	$24804_{7/2}$ – $62989°_{5/2}$	–0.023		0.002	1
2619.169	19*bl*	38168.655	38168.676	$14634_{3/2}$ – $52803°_{3/2}$	–0.021		0.004	1
2620.196	75*bl*	38153.704	38153.774	$20534_{11/2}$ – $58687°_{9/2}$	–0.070		0.010	1
2620.205	4	38153.573	38153.589	$22502_{3/2}$ – $60656°_{5/2}$	–0.016		0.003	1
2620.7393	29	38145.789	38145.788	$14967_{5/2}$ – $53113°_{5/2}$	0.001		0.0003	1
2620.920	2	38143.156	38143.182	$24991_{3/2}$ – $63134°_{3/2}$	–0.026		0.004	1
2621.591	14	38133.404	38133.406	$31446_{7/2}$ – $69580°_{7/2}$	–0.002		0.008	1
			38133.391	$7420_{5/2}$ – $45553°_{3/2}$	0.013	4.65e+6		1w,7t
2621.812	15?	38130.18	38129.853	$26226_{5/2}$ – $64356°_{7/2}$	0.33		0.013	5
2622.117	3	38125.750	38125.800	$23234_{9/2}$ – $61360°_{9/2}$	–0.050		0.003	1
2622.7796	6	38116.117	38116.143	$25672_{5/2}$ – $63788°_{7/2}$	–0.026		0.0012	1
2623.1053	28	38111.384	38111.384	$20780_{9/2}$ – $58891°_{11/2}$	0.000		0.0003	1
2623.769	4	38101.740	38101.736	$30632_{9/2}$ – $68734°_{9/2}$	0.004		0.002	1
2623.8733	10	38100.230	38100.231	$23450_{5/2}$ – $61550°_{7/2}$	–0.001		0.0008	1
2624.3928	6	38092.688	38092.685	$19637_{5/2}$ – $57729°_{7/2}$	0.003		0.0013	1
2624.4746	17	38091.501	38091.503	$23234_{9/2}$ – $61326°_{7/2}$	–0.002		0.0005	1
2624.594	5	38089.764	38089.765	$34090_{9/2}$ – $72180°_{11/2}$	–0.001		0.002	1
2624.946	5	38084.659	38084.695	$22194_{7/2}$ – $60278°_{9/2}$	–0.036		0.002	1
2626.475	5	38062.498	38062.516	$22194_{7/2}$ – $60256°_{7/2}$	–0.018		0.002	1
2627.7080	8	38044.632	38044.634	$14857_{9/2}$ – $52901°_{7/2}$	–0.002		0.0010	1
2627.927	5	38041.46	38041.549	$31538_{5/2}$ – $69580°_{7/2}$	–0.09		0.013	5
2628.0167	5	38040.164	38040.164	$26929_{11/2}$ – $64969°_{11/2}$	0.000		0.0015	1
2628.9867	27	38026.129	38026.125	$13411_{7/2}$ – $51438°_{5/2}$	0.004		0.0003	1
2629.0167	6*p*	38025.696	38025.660	$28118_{5/2}$ – $66144°_{5/2}$	0.036		0.0013	1
2629.4843	7	38018.933	38018.932	$19070_{9/2}$ – $57089°_{9/2}$	0.001		0.0011	1
2630.1619	6	38009.140	38009.125	$23046_{7/2}$ – $61055°_{9/2}$	0.015		0.0014	1
2630.3765	17	38006.039	38006.035	$23234_{9/2}$ – $61240°_{11/2}$	0.004		0.0005	1
2630.5183	12	38003.990	38003.994	$13434_{5/2}$ – $51438°_{5/2}$	–0.004		0.0006	1
2630.929	3	37998.051	37998.048	$24991_{3/2}$ – $62989°_{5/2}$	0.003		0.003	1
2632.751	4	37971.759	37971.781	$22502_{3/2}$ – $60474°_{5/2}$	–0.022		0.002	1
2632.768	4	37971.513	37971.528	$0_{1/2}$ – $37971°_{3/2}$	–0.015		0.002	1
2633.114	4	37966.526	37966.556	$15146_{7/2}$ – $53113°_{5/2}$	–0.030		0.002	1
2633.8787	14	37955.506	37955.514	$17436_{11/2}$ – $55392°_{9/2}$	–0.008		0.0006	1
2634.5715	17	37945.526	37945.521	$16553_{9/2}$ – $54498°_{7/2}$	0.005		0.0006	1
2634.768	15	37942.69	37942.927	$31538_{5/2}$ – $69481°_{5/2}$	–0.24		0.013	5
2634.8565	6	37941.421	37941.416	$18990_{3/2}$ – $56932°_{3/2}$	0.005		0.0014	1
2635.3683	20	37934.053	37934.049	$14967_{5/2}$ – $52901°_{7/2}$	0.004		0.0004	1
2636.763	2	37913.987	37914.007	$8711_{3/2}$ – $46625°_{1/2}$	–0.020		0.005	1
2636.9330	23	37911.546	37911.547	$24804_{7/2}$ – $62716°_{9/2}$	–0.001		0.0003	1

TABLE 6. Observed lines of W II—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	σ_{calc} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	λ_{unc} (Å)[4]	Ref.[5]
2637.179	2	37908.006	37907.967	$28118_{5/2}$ – $66026°_{7/2}$	0.039		0.006	1
2637.2078	6	37907.595	37907.607	$20780_{9/2}$ – $58687°_{9/2}$	–0.012		0.0013	1
2637.5615	15	37902.513	37902.510	$16234_{5/2}$ – $54137°_{3/2}$	0.003		0.0006	1
2638.1941	5	37893.425	37893.418	$28377_{11/2}$ – $66271°_{9/2}$	0.007		0.0015	1
2639.421	3	37875.80	37875.863	$23450_{5/2}$ – $61326°_{7/2}$	–0.06		0.013	5
2641.046	5	37852.514	37852.518	$22139_{5/2}$ – $59992°_{5/2}$	–0.004		0.002	1
2643.071	5	37823.504	37823.484	$11301_{5/2}$ – $49124°_{7/2}$	0.020		0.002	1
2643.2416	11	37821.068	37821.071	$23234_{9/2}$ – $61055°_{9/2}$	–0.003		0.0008	1
2643.2913	13	37820.357	37820.359	$13434_{5/2}$ – $51254°_{3/2}$	–0.002		0.0006	1
2645.147	4	37793.829	37793.831	$22139_{5/2}$ – $59933°_{7/2}$	–0.002		0.002	1
2647.293	3	37763.192	37763.152	$23803_{7/2}$ – $61566°_{5/2}$	0.040		0.003	1
2647.708	53	37757.278	37757.281	$25209_{9/2}$ – $62966°_{11/2}$	–0.003		0.006	1
			37757.272	$20780_{9/2}$ – $58537°_{7/2}$	0.006			1
2648.618	3	37744.299	37744.277	$30618_{5/2}$ – $68362°_{7/2}$	0.022		0.003	1
2649.670	5	37729.308	37729.289	$22139_{5/2}$ – $59869°_{7/2}$	0.019		0.002	1
2650.260	4	37720.918	37720.914	$14634_{3/2}$ – $52355°_{1/2}$	0.004		0.002	1
2650.591	9?	37716.21	37716.630	$27273_{7/2}$ – $64990°_{5/2}$	–0.42		0.013	5
2651.0173	6	37710.141	37710.116	$14857_{9/2}$ – $52567°_{9/2}$	0.025		0.0013	1
2651.8674	18	37698.054	37698.052	$19070_{9/2}$ – $56768°_{7/2}$	0.002		0.0004	1
2652.1166	8	37694.511	37694.525	$34090_{9/2}$ – $71785°_{9/2}$	–0.014		0.0010	1
2652.414	3	37690.28	37690.312	$20039_{7/2}$ – $57729°_{7/2}$	–0.03		0.013	5
2652.584	5	37687.87	37687.976	$31347_{13/2}$ – $69035°_{13/2}$	–0.11		0.013	5
2652.6295	8	37687.223	37687.228	$29341_{9/2}$ – $67028°_{9/2}$	–0.005		0.0011	1
2653.001	4	37681.946	37681.915	$11301_{5/2}$ – $48982°_{3/2}$	0.031	3.56e+6	0.002	1w,7t
2653.174	2	37679.495	37679.452	$25045_{1/2}$ – $62724°_{3/2}$	0.043		0.004	1
2653.382	4	37676.538	37676.524	$22139_{5/2}$ – $59816°_{3/2}$	0.014		0.002	1
2653.4200	21	37675.997	37675.995	$16553_{9/2}$ – $54229°_{11/2}$	0.002	1.33e+7	0.0004	1w,7t
2653.55999	120	37674.009	37674.009	$4716_{7/2}$ – $42390°_{7/2}$	0.000	3.79e+6	0.00007	1w,7t
2654.839	2	37655.866	37655.914	$19276_{5/2}$ – $56932°_{3/2}$	–0.048		0.005	1
2655.4696	12	37646.918	37646.919	$23955_{11/2}$ – $61602°_{13/2}$	–0.001		0.0006	1
2655.6662	13	37644.131	37644.130	$8711_{3/2}$ – $46355°_{5/2}$	0.001		0.0008	1
2656.0066	8	37639.307	37639.315	$28631_{7/2}$ – $66271°_{9/2}$	–0.008		0.0010	1
2656.378	3	37634.04	37634.108	$23955_{11/2}$ – $61589°_{11/2}$	–0.07		0.013	5
2656.4271	10	37633.350	37633.353	$13411_{7/2}$ – $51045°_{7/2}$	–0.003		0.0008	1
2656.6872	10	37629.665	37629.661	$26158_{9/2}$ – $63788°_{7/2}$	0.004		0.0008	1
2657.7353	9	37614.826	37614.829	$19637_{5/2}$ – $57252°_{5/2}$	–0.003		0.0008	1
2658.03186	139	37610.630	37610.631	$1518_{3/2}$ – $39129°_{3/2}$	–0.001	3.38e+7	0.00007	1w,7t
2658.089	2	37609.819	37609.816	$23046_{7/2}$ – $60656°_{5/2}$	0.003		0.005	1
2658.718	4	37600.918	37600.893	$35826_{9/2}$ – $73427°_{7/2}$	0.025		0.002	1
2659.6876	9	37587.217	37587.218	$26929_{11/2}$ – $64516°_{9/2}$	–0.001		0.0009	1
2661.518	4	37561.363	37561.345	$26226_{5/2}$ – $63788°_{7/2}$	0.018		0.002	1
2661.8365	10	37556.875	37556.876	$23803_{7/2}$ – $61360°_{9/2}$	–0.001		0.0008	1
2662.1965	14	37551.797	37551.802	$20455_{3/2}$ – $58007°_{3/2}$	–0.005		0.0006	1
2663.8596	19	37528.354	37528.354	$19403_{1/2}$ – $56932°_{3/2}$	0.000		0.0004	1
2664.0101	6	37526.234	37526.243	$24804_{7/2}$ – $62330°_{9/2}$	–0.009		0.0013	1
2664.33620	170	37521.641	37521.641	$17436_{11/2}$ – $54958°_{11/2}$	0.000		0.00007	1

TABLE 6. Observed lines of W II—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	σ_{calc} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	λ_{unc} (Å)[4]	Ref.[5]
2665.626	5	37503.492	37503.507	$16553_{9/2}$ – $54056°_{9/2}$	–0.015		0.002	1
2666.0666	28	37497.289	37497.288	$28187_{13/2}$ – $65684°_{11/2}$	0.001		0.0003	1
2666.4293	6	37492.189	37492.171	$19276_{5/2}$ – $56768°_{7/2}$	0.018		0.0014	1
2666.4856	30	37491.397	37491.398	$7420_{5/2}$ – $44911°_{3/2}$	–0.001	1.18e+7	0.0004	1w,7t
2667.6619	14	37474.866	37474.864	$29341_{9/2}$ – $66816°_{9/2}$	0.002		0.0006	1
2668.940	3	37456.927	37456.948	$7420_{5/2}$ – $44877°_{7/2}$	–0.021	5.33e+5	0.003	1w,7t
2669.2362	28	37452.766	37452.774	$14634_{3/2}$ – $52087°_{5/2}$	–0.008		0.0003	1
			37452.748	$20534_{11/2}$ – $57986°_{9/2}$	0.018			1
2669.3499	19	37451.170	37451.167	$13411_{7/2}$ – $50863°_{9/2}$	0.003		0.0005	1
2669.391	4	37450.595	37450.605	$23450_{5/2}$ – $60901°_{5/2}$	–0.010		0.002	1
2670.1692	6	37439.680	37439.673	$35826_{9/2}$ – $73266°_{11/2}$	0.007		0.0013	1
2670.3813	49	37436.706	37436.706	$16589_{7/2}$ – $54026°_{5/2}$	0.000		0.0002	1
2671.5519	14	37420.303	37420.299	$15146_{7/2}$ – $52567°_{9/2}$	0.004		0.0006	1
2672.6286	7	37405.229	37405.229	$23955_{11/2}$ – $61360°_{9/2}$	0.000		0.0011	1
2673.5872	49	37391.818	37391.819	$18000_{7/2}$ – $55392°_{9/2}$	–0.001		0.0002	1
2675.715	9	37362.090	37362.176	$28118_{5/2}$ – $65481°_{5/2}$	–0.086		0.006	1
			37362.031	$29341_{9/2}$ – $66703°_{11/2}$	0.059			1
2677.554	5	37336.425	37336.405	$19276_{5/2}$ – $56612°_{7/2}$	0.020		0.002	1
2677.7855	39	37333.197	37333.200	$4716_{7/2}$ – $42049°_{5/2}$	–0.003	6.36e+6	0.0003	1w,7t
2679.485	6	37309.525	37309.519	$33910_{11/2}$ – $71220°_{13/2}$	0.006		0.002	1
2679.6270	33	37307.543	37307.546	$14967_{5/2}$ – $52275°_{7/2}$	–0.003		0.0003	1
2679.7365	27	37306.019	37306.019	$19070_{9/2}$ – $56376°_{11/2}$	0.000		0.0003	1
2680.527	5	37295.024	37295.036	$19637_{5/2}$ – $56932°_{3/2}$	–0.012		0.002	1
2683.21471	71	37257.662	37257.662	$13173_{1/2}$ – $50430°_{3/2}$	0.000		0.00014	1
2683.5054	21	37253.627	37253.626	$33910_{11/2}$ – $71164°_{11/2}$	0.001		0.0004	1
2683.6122	18	37252.144	37252.147	$23803_{7/2}$ – $61055°_{9/2}$	–0.003		0.0004	1
2683.836	6	37249.042	37249.020	$22194_{7/2}$ – $59443°_{5/2}$	0.022		0.002	1
2684.3195	7	37242.329	37242.310	$35315_{7/2}$ – $72557°_{9/2}$	0.019		0.0012	1
2685.0635	8	37232.010	37232.002	$23046_{7/2}$ – $60278°_{9/2}$	0.008		0.0010	1
2685.362	4	37227.866	37227.853	$25209_{9/2}$ – $62437°_{9/2}$	0.013		0.002	1
2686.338	5	37214.345	37214.344	$30632_{9/2}$ – $67847°_{9/2}$	0.001		0.002	1
2686.9320	18	37206.120	37206.122	$23450_{5/2}$ – $60656°_{5/2}$	–0.002		0.0004	1
2686.9904	23	37205.311	37205.308	$22194_{7/2}$ – $59399°_{9/2}$	0.003		0.0004	1
2688.2171	24	37188.335	37188.335	$16234_{5/2}$ – $53423°_{3/2}$	0.000		0.0004	1
2690.6896	17	37154.164	37154.165	$34090_{9/2}$ – $71245°_{9/2}$	–0.001		0.0005	1
2691.7507	10	37139.518	37139.516	$24991_{3/2}$ – $62131°_{1/2}$	0.002		0.0008	1
2692.3466	7	37131.299	37131.293	$19637_{5/2}$ – $56768°_{7/2}$	0.006		0.0012	1
2694.3741	47	37103.359	37103.360	$16234_{5/2}$ – $53338°_{7/2}$	–0.001		0.0002	1
2694.5815	19	37100.504	37100.500	$23955_{11/2}$ – $61055°_{9/2}$	0.004		0.0004	1
2694.814	4	37097.308	37097.321	$23803_{7/2}$ – $60901°_{5/2}$	–0.013		0.002	1
2694.9784	8	37095.040	37095.047	$16234_{5/2}$ – $53329°_{3/2}$	–0.007		0.0010	1
2695.856	3	37082.971	37082.997	$27273_{7/2}$ – $64356°_{7/2}$	–0.026		0.003	1
2697.70985	178	37057.483	37057.484	$1518_{3/2}$ – $38576°_{1/2}$	–0.001	4.96e+7	0.00007	1w,7t
2698.066	5	37052.591	37052.591	$25672_{5/2}$ – $62724°_{3/2}$	0.000		0.002	1
2698.693	3	37043.982	37043.948	$23234_{9/2}$ – $60278°_{9/2}$	0.034		0.003	1
2699.0151	11	37039.563	37039.562	$26226_{5/2}$ – $63266°_{7/2}$	0.001		0.0009	1

TABLE 6. Observed lines of W II—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	σ_{calc} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	λ_{unc} (Å)[4]	Ref.[5]
2700.3122	22	37021.772	37021.769	$23234_{9/2}$ – $60256°_{7/2}$	0.003		0.0004	1
2701.0047	9	37012.280	37012.280	$28631_{7/2}$ – $65643°_{7/2}$	0.000		0.0009	1
2701.4747	31	37005.842	37005.839	$14857_{9/2}$ – $51862°_{7/2}$	0.003		0.0004	1
2702.10748	209	36997.176	36997.177	$19442_{13/2}$ – $56439°_{13/2}$	–0.001		0.00007	1
2702.182	3	36996.160	36996.162	$10592_{3/2}$ – $47588°_{3/2}$	–0.002	2.87e+6	0.003	1w,7t
2702.626	2	36990.077	36990.092	$28490_{3/2}$ – $65481°_{5/2}$	–0.015		0.005	1
2703.0529	46	36984.236	36984.237	$23234_{9/2}$ – $60219°_{11/2}$	–0.001		0.0002	1
2703.1090	7	36983.469	36983.474	$11301_{5/2}$ – $48284°_{5/2}$	–0.005		0.0012	1
2703.45617	108	36978.720	36978.720	$31100_{11/2}$ – $68079°_{13/2}$	0.000		0.00007	1
2703.6902	7	36975.520	36975.527	$19637_{5/2}$ – $56612°_{7/2}$	–0.007		0.0012	1
2705.576	7	36949.749	36949.811	$30223_{3/2}$ – $67173°_{5/2}$	–0.062		0.008	1
			36949.636	$20780_{9/2}$ – $57729°_{7/2}$	0.113			1
2705.879	5	36945.611	36945.655	$23046_{7/2}$ – $59992°_{5/2}$	–0.044		0.002	1
2706.6908	11	36934.531	36934.523	$7420_{5/2}$ – $44354°_{5/2}$	0.008	3.67e+6	0.0007	1w,7t
2706.7223	21	36934.101	36934.103	$19442_{13/2}$ – $56376°_{11/2}$	–0.002		0.0004	1
2706.743	4	36933.816	36933.832	$27273_{7/2}$ – $64207°_{9/2}$	–0.016		0.004	1
2707.0535	10	36929.583	36929.577	$29341_{9/2}$ – $66271°_{9/2}$	0.006		0.0008	1
2709.5726	47	36895.251	36895.254	$14967_{5/2}$ – $51862°_{7/2}$	–0.003		0.0002	1
2710.7800	15	36878.818	36878.818	$16234_{5/2}$ – $53113°_{5/2}$	0.000		0.0006	1
2712.6911	23	36852.839	36852.838	$23803_{7/2}$ – $60656°_{5/2}$	0.001		0.0004	1
2714.848	3	36823.568	36823.537	$31538_{5/2}$ – $68362°_{7/2}$	0.031		0.003	1
2714.932	3	36822.423	36822.426	$23046_{7/2}$ – $59869°_{7/2}$	–0.003		0.003	1
2715.3375	54	36816.924	36816.924	$16553_{9/2}$ – $53370°_{9/2}$	0.000		0.0002	1
2716.002	4	36807.911	36807.933	$26158_{9/2}$ – $62966°_{11/2}$	–0.022		0.002	1
			36807.895	$19276_{5/2}$ – $56084°_{3/2}$	0.016			1
2716.1338	11	36806.130	36806.129	$23450_{5/2}$ – $60256°_{7/2}$	0.001		0.0007	1
2716.31110	64	36803.728	36803.728	$14634_{3/2}$ – $51438°_{5/2}$	0.000		0.00015	1
2716.8630	20	36796.252	36796.250	$20455_{3/2}$ – $57252°_{5/2}$	0.002		0.0004	1
2717.1659	18	36792.150	36792.150	$17436_{11/2}$ – $54229°_{11/2}$	0.000	9.50e+6	0.0004	1w,7t
2717.6951	17	36784.986	36784.988	$16553_{9/2}$ – $53338°_{7/2}$	–0.002		0.0004	1
2717.879	2	36782.491	36782.460	$25672_{5/2}$ – $62454°_{3/2}$	0.031		0.005	1
2718.03343	108	36780.408	36780.408	$16589_{7/2}$ – $53370°_{9/2}$	0.000		0.00015	1
2719.2196	13	36764.365	36764.369	$3172_{5/2}$ – $39936°_{5/2}$	–0.004		0.0007	1
2719.3768	9	36762.239	36762.242	$24804_{7/2}$ – $61566°_{5/2}$	–0.003		0.0009	1
2720.3956	22	36748.473	36748.472	$16589_{7/2}$ – $53338°_{7/2}$	0.001		0.0004	1
2720.576	4	36746.030	36746.037	$24804_{7/2}$ – $61550°_{7/2}$	–0.007		0.002	1
2720.595	4	36745.783	36745.792	$8711_{3/2}$ – $45457°_{1/2}$	–0.009		0.003	1
2721.6219	19	36731.915	36731.919	$31347_{13/2}$ – $68079°_{13/2}$	–0.004		0.0004	1
2721.6721	6	36731.238	36731.251	$35826_{9/2}$ – $72557°_{9/2}$	–0.013		0.0015	1
2721.8440	7	36728.919	36728.920	$20039_{7/2}$ – $56768°_{7/2}$	–0.001		0.0011	1
2722.8000	47	36716.023	36716.022	$15146_{7/2}$ – $51862°_{7/2}$	0.001		0.0002	1
2723.693	3	36703.990	36703.958	$18000_{7/2}$ – $54704°_{5/2}$	0.032		0.003	1
2724.06945	66	36698.914	36698.914	$23234_{9/2}$ – $59933°_{7/2}$	0.000		0.00015	1
2726.435	3	36667.077	36667.079	$16234_{5/2}$ – $52901°_{7/2}$	–0.002		0.003	1
2726.5494	6	36665.536	36665.540	$31347_{13/2}$ – $68012°_{11/2}$	–0.004		0.0014	1
2729.204	5	36629.879	36629.874	$32950_{7/2}$ – $69580°_{7/2}$	0.005		0.002	1

TABLE 6. Observed lines of W II—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	σ_{calc} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	λ_{unc} (Å)[4]	Ref.[5]
2729.514	5	36625.714	36625.707	$28377_{11/2}$ – $65003°_{9/2}$	0.007		0.002	1
2729.617	68*p*	36624.339	36624.338	$8832_{1/2}$ – $45457°_{1/2}$	0.001		0.003	1
2729.9006	6	36620.528	36620.535	$23803_{7/2}$ – $60424°_{7/2}$	–0.007		0.0013	1
2729.9333	6	36620.090	36620.093	$14634_{3/2}$ – $51254°_{3/2}$	–0.003		0.0015	1
2730.828	3	36608.091	36608.063	$26526_{1/2}$ – $63134°_{3/2}$	0.028		0.003	1
2732.061	4	36591.571	36591.587	$28377_{11/2}$ – $64969°_{11/2}$	–0.016		0.002	1
2733.4370	18	36573.153	36573.154	$20039_{7/2}$ – $56612°_{7/2}$	–0.001		0.0004	1
2734.7223	17	36555.964	36555.966	$24804_{7/2}$ – $61360°_{9/2}$	–0.002		0.0005	1
2735.770	2	36541.968	36541.961	$23450_{5/2}$ – $59992°_{5/2}$	0.007		0.005	1
2736.569	6	36531.294	36531.486	$32950_{3/2}$ – $69481°_{5/2}$	–0.192		0.011	1
			36531.252	$32950_{7/2}$ – $69481°_{5/2}$	0.042			1
2739.068	3	36497.968	36497.981	$18000_{7/2}$ – $54498°_{7/2}$	–0.013		0.003	1
2739.3709	16	36493.934	36493.934	$22194_{7/2}$ – $58687°_{9/2}$	0.000		0.0005	1
2740.1717	9	36483.269	36483.274	$23450_{5/2}$ – $59933°_{7/2}$	–0.005		0.0011	1
2740.7912	84	36475.023	36475.024	$23803_{7/2}$ – $60278°_{9/2}$	–0.001		0.0002	1
2741.184	2	36469.799	36469.807	$35315_{7/2}$ – $71785°_{9/2}$	–0.008		0.005	1
2742.463	16	36452.794	36452.845	$23803_{7/2}$ – $60256°_{7/2}$	–0.051		0.009	1
			36452.699	$1518_{3/2}$ – $37971°_{3/2}$	0.095			1
2742.8975	20	36447.016	36447.017	$19637_{5/2}$ – $56084°_{3/2}$	–0.001		0.0005	1
2745.0276	12	36418.735	36418.732	$23450_{5/2}$ – $59869°_{7/2}$	0.003		0.0007	1
2746.7631	7	36395.725	36395.727	$30632_{9/2}$ – $67028°_{9/2}$	–0.002		0.0011	1
2748.3104	14*p*	36375.235	36375.232	$18000_{7/2}$ – $54375°_{5/2}$	0.003		0.0013	1
2748.407	5	36373.959	36373.967	$20039_{7/2}$ – $56413°_{9/2}$	–0.008		0.002	1
2748.584	3	36371.611	36371.604	$28631_{7/2}$ – $65003°_{9/2}$	0.007		0.003	1
2749.916	4	36354.002	36353.988	$35826_{9/2}$ – $72180°_{11/2}$	0.014		0.002	1
2750.020	3	36352.624	36352.615	$23046_{7/2}$ – $59399°_{9/2}$	0.009		0.003	1
2750.3168	7	36348.701	36348.707	$16553_{9/2}$ – $52901°_{7/2}$	–0.006		0.0012	1
2750.7149	6	36343.440	36343.440	$29341_{9/2}$ – $65684°_{11/2}$	0.000		0.0014	1
2750.865	3	36341.451	36341.416	$25209_{9/2}$ – $61550°_{7/2}$	0.035		0.003	1
2752.2344	17	36323.376	36323.377	$23955_{11/2}$ – $60278°_{9/2}$	–0.001		0.0005	1
2753.082	2	36312.196	36312.191	$16589_{7/2}$ – $52901°_{7/2}$	0.005		0.005	1
2753.3148	19	36309.124	36309.124	$20780_{9/2}$ – $57089°_{9/2}$	0.000		0.0005	1
2755.526	2	36279.986	36280.014	$30618_{5/2}$ – $66898°_{7/2}$	–0.028		0.004	1
2755.639	4	36278.506	36278.505	$26158_{9/2}$ – $62437°_{9/2}$	0.001		0.002	1
2756.695	2	36264.607	36264.637	$28631_{7/2}$ – $64896°_{7/2}$	–0.030		0.005	1
2756.7664	7	36263.665	36263.666	$23955_{11/2}$ – $60219°_{11/2}$	–0.001		0.0011	1
2758.3231	17	36243.200	36243.202	$6147_{9/2}$ – $42390°_{7/2}$	–0.002	7.75e+5	0.0005	1w,7t
2759.318	2	36230.134	36230.130	$23046_{7/2}$ – $59276°_{7/2}$	0.004		0.005	1
2759.5061	6	36227.664	36227.662	$26226_{5/2}$ – $62454°_{3/2}$	0.002		0.0014	1
2760.6675	7	36212.424	36212.432	$22535_{1/2}$ – $58748°_{3/2}$	–0.008		0.0012	1
2760.724	4	36211.682	36211.703	$19276_{5/2}$ – $55488°_{3/2}$	–0.021		0.002	1
2761.2854	25	36204.321	36204.322	$17436_{11/2}$ – $53641°_{13/2}$	–0.001		0.0004	1
2761.5860	23	36200.381	36200.385	$8711_{3/2}$ – $44911°_{3/2}$	–0.004	1.29e+7	0.0005	1w,7t
2761.826	2	36197.241	36197.235	$22139_{5/2}$ – $58337°_{5/2}$	0.006		0.005	1
2762.480	4	36188.667	36188.677	$23803_{7/2}$ – $59992°_{5/2}$	–0.010		0.002	1
2764.26068	182	36165.355	36165.356	$0_{1/2}$ – $36165°_{1/2}$	–0.001	4.79e+7	0.00008	1w,7t

TABLE 6. Observed lines of W II—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	σ_{calc} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	λ_{unc} (Å)[4]	Ref.[5]
2764.322	4	36164.554	36164.561	$23234_{9/2}$ – $59399°_{9/2}$	–0.007		0.002	1
2764.7522	17	36158.926	36158.926	$26929_{11/2}$ – $63087°_{13/2}$	0.000		0.0005	1
2765.332	3	36151.342	36151.345	$25209_{9/2}$ – $61360°_{9/2}$	–0.003		0.004	1
2766.3043	12	36138.639	36138.641	$28377_{11/2}$ – $64516°_{9/2}$	–0.002		0.0007	1
2766.483	5	36136.306	36136.326	$28118_{5/2}$ – $64255°_{3/2}$	–0.020		0.002	1
2766.9668	12	36129.987	36129.990	$23803_{7/2}$ – $59933°_{7/2}$	–0.003		0.0007	1
2767.959	6	36117.040	36117.048	$25209_{9/2}$ – $61326°_{7/2}$	–0.008		0.002	1
2768.3265	19	36112.242	36112.246	$11301_{5/2}$ – $47413°_{5/2}$	–0.004		0.0005	1
2770.987	5	36077.566	36077.547	$14967_{5/2}$ – $51045°_{7/2}$	0.019		0.002	1
2771.920	2	36065.429	36065.448	$23803_{7/2}$ – $59869°_{7/2}$	–0.019		0.006	1
2773.8316	12	36040.575	36040.576	$16234_{5/2}$ – $52275°_{7/2}$	–0.001		0.0007	1
2774.0679	19	36037.505	36037.506	$26929_{11/2}$ – $62966°_{11/2}$	–0.001		0.0005	1
2774.4302	16	36032.800	36032.796	$10592_{3/2}$ – $46625°_{1/2}$	0.004		0.0005	1
2774.9787	9	36025.678	36025.682	$18000_{7/2}$ – $54026°_{5/2}$	–0.004		0.0009	1
2775.863	2	36014.200	36014.189	$16553_{9/2}$ – $52567°_{9/2}$	0.011		0.004	1
2775.958	2	36012.967	36012.961	$32486_{3/2}$ – $68499°_{3/2}$	0.006		0.005	1
2776.4994	47	36005.947	36005.946	$14857_{9/2}$ – $50863°_{9/2}$	0.001		0.0002	1
2777.8648	10	35988.251	35988.244	$20780_{9/2}$ – $56768°_{7/2}$	0.007		0.0008	1
2778.6815	28	35977.673	35977.673	$16589_{7/2}$ – $52567°_{9/2}$	0.000		0.0003	1
2780.2803	23	35956.985	35956.987	$3172_{5/2}$ – $39129°_{3/2}$	–0.002	4.94e+6	0.0005	1w,7t
2782.1301	20	35933.080	35933.079	$17436_{11/2}$ – $53370°_{9/2}$	0.001		0.0005	1
2782.494	2	35928.375	35928.368	$31100_{11/2}$ – $67028°_{9/2}$	0.007		0.005	1
2783.136	2	35920.087	35920.072	$23450_{5/2}$ – $59370°_{3/2}$	0.015		0.005	1
2783.964	4	35909.415	35909.432	$24991_{3/2}$ – $60901°_{5/2}$	–0.017		0.002	1
2784.270	3	35905.460	35905.452	$20534_{11/2}$ – $56439°_{13/2}$	0.008		0.003	1
2785.6232	20	35888.023	35888.023	$19070_{9/2}$ – $54958°_{11/2}$	0.000		0.0005	1
2786.289	5	35879.450	35879.458	$20534_{11/2}$ – $56413°_{9/2}$	–0.008		0.002	1
2789.1708	13	35842.378	35842.378	$20534_{11/2}$ – $56376°_{11/2}$	0.000		0.0007	1
2790.1347	7	35829.997	35830.000	$28377_{11/2}$ – $64207°_{9/2}$	–0.003		0.0012	1
2790.4119	22	35826.437	35826.436	$23450_{5/2}$ – $59276°_{7/2}$	0.001		0.0004	1
2791.726	2	35809.580	35809.602	$13173_{1/2}$ – $48982°_{3/2}$	–0.022	2.27e+6	0.004	1w,7t
2792.0157	9	35805.859	35805.848	$22502_{3/2}$ – $58308°_{1/2}$	0.011		0.0009	1
2793.475	4	35787.154	35787.151	$26929_{11/2}$ – $62716°_{9/2}$	0.003		0.002	1
2799.0306	42	35716.127	35716.129	$15146_{7/2}$ – $50863°_{9/2}$	–0.002		0.0002	1
2801.0456	9	35690.435	35690.438	$13434_{5/2}$ – $49124°_{7/2}$	–0.003		0.0011	1
2801.420	3	35685.670	35685.688	$16589_{7/2}$ – $52275°_{7/2}$	–0.018		0.003	1
2802.354	3	35673.778	35673.765	$24991_{3/2}$ – $60665°_{3/2}$	0.013		0.003	1
2803.047	3	35664.952	35664.949	$24991_{3/2}$ – $60656°_{5/2}$	0.003		0.003	1
2803.221	4	35662.742	35662.728	$22194_{7/2}$ – $57856°_{5/2}$	0.014		0.002	1
2803.289	2	35661.872	35661.866	$29341_{9/2}$ – $65003°_{9/2}$	0.006		0.005	1
2803.5920	11	35658.020	35658.018	$14634_{3/2}$ – $50292°_{5/2}$	0.002	6.85e+6	0.0008	1w,7t
2803.675	3	35656.970	35656.964	$23234_{9/2}$ – $58891°_{11/2}$	0.006		0.003	1
2803.894	4	35654.178	35654.182	$25672_{5/2}$ – $61326°_{7/2}$	–0.004		0.002	1
2804.9117	6	35641.244	35641.241	$23046_{7/2}$ – $58687°_{9/2}$	0.003		0.0014	1
2805.1609	8	35638.078	35638.076	$30632_{9/2}$ – $66271°_{9/2}$	0.002		0.0010	1

TABLE 6. Observed lines of W II—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	σ_{calc} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	λ_{unc} (Å)[4]	Ref.[5]
2805.538	3	35633.285	35633.291	$20780_{9/2}$ – $56413°_{9/2}$	–0.006		0.004	1
2805.9319	50	35628.287	35628.284	$16234_{5/2}$ – $51862°_{7/2}$	0.003		0.0002	1
2806.614	4	35619.625	35619.625	$24804_{7/2}$ – $60424°_{7/2}$	0.000		0.002	1
2808.4606	19	35596.209	35596.211	$20780_{9/2}$ – $56376°_{11/2}$	–0.002		0.0005	1
2808.9403	13	35590.130	35590.133	$22139_{5/2}$ – $57729°_{7/2}$	–0.003		0.0008	1
2811.723	3	35554.905	35554.899	$29341_{9/2}$ – $64896°_{7/2}$	0.006		0.003	1
2812.2010	13	35548.866	35548.869	$13434_{5/2}$ – $48982°_{3/2}$	–0.003	1.23e+7	0.0006	1w,7t
2813.222	4	35535.961	35535.963	$22194_{7/2}$ – $57729°_{7/2}$	–0.002		0.002	1
2814.793	6*w*	35516.135	35516.107	$19442_{13/2}$ – $54958°_{11/2}$	0.028		0.014	1
2816.270	4	35497.510	35497.507	$16589_{7/2}$ – $52087°_{5/2}$	0.003		0.002	1
2818.990	6	35463.254	35463.254	$14967_{5/2}$ – $50430°_{3/2}$	0.000		0.002	1
2819.890	5	35451.939	35451.935	$24804_{7/2}$ – $60256°_{7/2}$	0.004		0.002	1
2820.522	4	35443.996	35443.990	$23955_{11/2}$ – $59399°_{9/2}$	0.006		0.002	1
2821.786	6	35428.125	35428.154	$19276_{5/2}$ – $54704°_{5/2}$	–0.029		0.004	1
			35428.058	$19070_{9/2}$ – $54498°_{7/2}$	0.067			1
2822.5314	21	35418.765	35418.762	$13411_{7/2}$ – $48830°_{7/2}$	0.003		0.0005	1
2824.297	2	35396.624	35396.631	$13434_{5/2}$ – $48830°_{7/2}$	–0.007		0.004	1
2826.4726	8	35369.379	35369.384	$18000_{7/2}$ – $53370°_{9/2}$	–0.005		0.0010	1
			35369.362	$31446_{7/2}$ – $66816°_{9/2}$	0.017			1
2827.335	5	35358.593	35358.599	$35315_{7/2}$ – $70674°_{7/2}$	–0.006		0.002	1
2827.514	3	35356.358	35356.370	$31347_{13/2}$ – $66703°_{11/2}$	–0.012		0.003	1
2830.0550	30	35324.609	35324.609	$14967_{5/2}$ – $50292°_{5/2}$	0.000	1.73e+7	0.0003	1w,7t
2830.123	4	35323.760	35323.752	$26226_{5/2}$ – $61550°_{7/2}$	0.008		0.003	1
2831.2329	15	35309.914	35309.912	$16553_{9/2}$ – $51862°_{7/2}$	0.002		0.0006	1
2831.800	3	35302.846	35302.852	$23234_{9/2}$ – $58537°_{7/2}$	–0.006		0.003	1
2834.165	2	35273.390	35273.396	$16589_{7/2}$ – $51862°_{7/2}$	–0.006		0.004	1
2838.416	5	35220.559	35220.564	$4716_{7/2}$ – $39936°_{5/2}$	–0.005		0.002	1
2839.804	4	35203.351	35203.349	$16234_{5/2}$ – $51438°_{5/2}$	0.002		0.002	1
2839.9130	7	35201.995	35201.997	$26158_{9/2}$ – $61360°_{9/2}$	–0.002		0.0014	1
2842.438	4	35170.723	35170.717	$31100_{11/2}$ – $66271°_{9/2}$	0.006		0.002	1
2842.683	5	35167.693	35167.700	$26158_{9/2}$ – $61326°_{7/2}$	–0.007		0.002	1
2843.585	4	35156.545	35156.554	$28631_{7/2}$ – $63788°_{7/2}$	–0.009		0.002	1
2844.488	2	35145.383	35145.377	$15146_{7/2}$ – $50292°_{5/2}$	0.006	1.81e+6	0.004	1w,7t
2845.706	3	35130.337	35130.344	$17436_{11/2}$ – $52567°_{9/2}$	–0.007		0.003	1
2847.119	5	35112.905	35112.906	$18000_{7/2}$ – $53113°_{5/2}$	–0.001		0.002	1
2848.215	3	35099.396	35099.428	$19276_{5/2}$ – $54375°_{5/2}$	–0.032		0.003	1
			35099.384	$26226_{5/2}$ – $61326°_{7/2}$	0.012			1
2852.0714	24	35051.937	35051.939	$30632_{9/2}$ – $65684°_{11/2}$	–0.002		0.0004	1
2853.419	5	35035.385	35035.380	$18990_{3/2}$ – $54026°_{5/2}$	0.005		0.002	1
2855.5057	8	35009.782	35009.782	$25209_{9/2}$ – $60219°_{11/2}$	0.000		0.0012	1
2857.673	2	34983.233	34983.250	$20039_{7/2}$ – $55022°_{7/2}$	–0.017		0.005	1
2859.4764	9	34961.169	34961.167	$10592_{3/2}$ – $45553°_{3/2}$	0.002	5.07e+6	0.0010	1w,7t
2861.048	2	34941.970	34941.967	$16553_{9/2}$ – $51495°_{11/2}$	0.003		0.005	1
2861.1907	7	34940.223	34940.215	$23046_{7/2}$ – $57986°_{9/2}$	0.008		0.0014	1
2864.4591	7	34900.358	34900.356	$28187_{13/2}$ – $63087°_{13/2}$	0.002		0.0014	1
2864.713	3	34897.265	34897.268	$26158_{9/2}$ – $61055°_{9/2}$	–0.003		0.003	1

TABLE 6. Observed lines of W II—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	σ_{calc} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	λ_{unc} (Å)[4]	Ref.[5]
2864.8617	6	34895.453	34895.451	$22194_{7/2}$ – $57089°_{9/2}$	0.002		0.0014	1
2865.7807	10	34884.263	34884.263	$23803_{7/2}$ – $58687°_{9/2}$	0.000		0.0010	1
2866.2980	7	34877.968	34877.962	$7420_{5/2}$ – $42298°_{3/2}$	0.006	2.06e+6	0.0013	1w,7t
2866.593	5	34874.383	34874.371	$11301_{5/2}$ – $46175°_{7/2}$	0.012		0.002	1
2866.7414	8	34872.574	34872.559	$13411_{7/2}$ – $48284°_{5/2}$	0.015		0.0011	1
2866.886	2	34870.809	34870.803	$28118_{5/2}$ – $62989°_{5/2}$	0.006		0.004	1
2867.3993	12	34864.573	34864.581	$10592_{3/2}$ – $45457°_{1/2}$	–0.008		0.0007	1
2867.9193	7	34858.252	34858.255	$20534_{11/2}$ – $55392°_{9/2}$	–0.003		0.0014	1
2868.7251	26	34848.461	34848.461	$16589_{7/2}$ – $51438°_{5/2}$	0.000		0.0004	1
2870.863	2*bl*	34822.514	34822.569	$30632_{9/2}$ – $65455°_{7/2}$	–0.055		0.005	1
			34822.502	$25169_{3/2}$ – $59992°_{5/2}$	0.012			1
2871.892	4	34810.034	34810.035	$23046_{7/2}$ – $57856°_{5/2}$	–0.001		0.002	1
2873.341	4	34792.485	34792.484	$22139_{5/2}$ – $56932°_{3/2}$	0.001		0.002	1
2873.829	3	34786.575	34786.616	$19442_{13/2}$ – $54229°_{11/2}$	–0.041	1.06e+6	0.003	1w,7t
2874.460	4	34778.933	34778.936	$28187_{13/2}$ – $62966°_{11/2}$	–0.003		0.002	1
2875.104	2	34771.142	34771.147	$25045_{1/2}$ – $59816°_{3/2}$	–0.005		0.005	1
2875.476	2	34766.649	34766.639	$30223_{3/2}$ – $64990°_{5/2}$	0.010		0.005	1
2876.922	4	34749.176	34749.187	$22502_{3/2}$ – $57252°_{5/2}$	–0.011		0.002	1
2878.087	5	34735.114	34735.122	$22139_{5/2}$ – $56874°_{5/2}$	–0.008		0.002	1
2878.2937	19	34732.616	34732.616	$23955_{11/2}$ – $58687°_{9/2}$	0.000		0.0006	1
2880.140	4	34710.348	34710.349	$28377_{11/2}$ – $63087°_{13/2}$	–0.001		0.002	1
2881.5291	9	34693.619	34693.619	$30632_{9/2}$ – $65326°_{11/2}$	0.000		0.0009	1
2882.3891	7	34683.269	34683.270	$23046_{7/2}$ – $57729°_{7/2}$	–0.001		0.0014	1
2883.152	2	34674.095	34674.126	$26226_{5/2}$ – $60901°_{5/2}$	–0.031		0.004	1
2884.287	5	34660.451	34660.449	$26929_{11/2}$ – $61589°_{11/2}$	0.002		0.002	1
2886.888	3	34629.218	34629.217	$7420_{5/2}$ – $42049°_{5/2}$	0.001	4.69e+5	0.003	1w,7t
2886.928	5	34628.736	34628.741	$22139_{5/2}$ – $56768°_{7/2}$	–0.005		0.002	1
2889.7667	18	34594.726	34594.727	$24804_{7/2}$ – $59399°_{9/2}$	–0.001		0.0005	1
2890.6159	8	34584.563	34584.580	$31100_{11/2}$ – $65684°_{11/2}$	–0.017		0.0011	1
2891.451	5	34574.572	34574.571	$22194_{7/2}$ – $56768°_{7/2}$	0.001		0.002	1
2892.899	4	34557.271	34557.272	$23450_{5/2}$ – $58007°_{3/2}$	–0.001		0.002	1
2894.899	4	34533.391	34533.394	$23803_{7/2}$ – $58337°_{5/2}$	–0.003		0.002	1
2895.427	5	34527.096	34527.097	$28187_{13/2}$ – $62714°_{13/2}$	–0.001		0.002	1
2896.006	22*bl*	34520.197	34520.148	$14634_{3/2}$ – $49154°_{1/2}$	0.049		0.009	1
2901.159	2	34458.889	34458.926	$20039_{7/2}$ – $54498°_{7/2}$	–0.037		0.005	1
2902.560	4	34442.256	34442.254	$28118_{5/2}$ – $62561°_{7/2}$	0.002		0.002	1
2904.0670	24	34424.382	34424.382	$20534_{11/2}$ – $54958°_{11/2}$	0.000		0.0004	1
2904.538	5	34418.800	34418.805	$22194_{7/2}$ – $56612°_{7/2}$	–0.005		0.002	1
2905.590	4	34406.344	34406.341	$23450_{5/2}$ – $57856°_{5/2}$	0.003		0.002	1
2906.401	4	34396.740	34396.735	$22535_{1/2}$ – $56932°_{3/2}$	0.005		0.002	1
2908.464	3	34372.342	34372.338	$30618_{5/2}$ – $64990°_{5/2}$	0.004		0.003	1
2908.4909	8	34372.024	34372.032	$22502_{3/2}$ – $56874°_{5/2}$	–0.008		0.0013	1
2910.315	3	34350.481	34350.477	$22194_{7/2}$ – $56544°_{5/2}$	0.004		0.003	1
2910.475	14*bl*	34348.594	34348.603	$14634_{3/2}$ – $48982°_{3/2}$	–0.009	1.45e+7	0.004	1w,7t
2911.522	5	34336.242	34336.245	$30632_{9/2}$ – $64969°_{11/2}$	–0.003		0.002	1
2912.4547	9	34325.246	34325.252	$25045_{1/2}$ – $59370°_{3/2}$	–0.006		0.0011	1

TABLE 6. Observed lines of W II—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	σ_{calc} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	λ_{unc} (Å)[4]	Ref.[5]
2912.570	5	34323.883	34323.874	$14857_{9/2}$ – $49181°_{9/2}$	0.009		0.002	1
2913.592	2	34311.853	34311.805	$26929_{11/2}$ – $61240°_{11/2}$	0.048		0.004	1
2913.747	5	34310.023	34310.019	$16553_{9/2}$ – $50863°_{9/2}$	0.004		0.002	1
2914.645	2	34299.457	34299.461	$19070_{9/2}$ – $53370°_{9/2}$	–0.004		0.004	1
2916.335	3	34279.575	34279.576	$23450_{5/2}$ – $57729°_{7/2}$	–0.001		0.003	1
2916.754	4	34274.654	34274.664	$18000_{7/2}$ – $52275°_{7/2}$	–0.010		0.003	1
2916.879	4	34273.185	34273.174	$25169_{3/2}$ – $59443°_{5/2}$	0.011		0.002	1
2917.520	3	34265.654	34265.656	$26158_{9/2}$ – $60424°_{7/2}$	–0.002		0.003	1
2918.6295	24	34252.629	34252.628	$11301_{5/2}$ – $45553°_{3/2}$	0.001	1.41e+7	0.0004	1w,7t
2919.486	3	34242.582	34242.574	$20780_{9/2}$ – $55022°_{7/2}$	0.008		0.003	1
2921.127	2	34223.342	34223.329	$32950_{3/2}$ – $67173°_{5/2}$	0.013		0.005	1
2921.891	3	34214.399	34214.411	$28118_{5/2}$ – $62333°_{5/2}$	–0.012		0.003	1
2923.2249	11	34198.785	34198.788	$19442_{13/2}$ – $53641°_{13/2}$	–0.003		0.0008	1
2923.3746	8	34197.034	34197.051	$25672_{5/2}$ – $59869°_{7/2}$	–0.017		0.0013	1
			34197.040	$31446_{7/2}$ – $65643°_{7/2}$	–0.006			1
2923.4388	8	34196.283	34196.284	$16234_{5/2}$ – $50430°_{3/2}$	–0.001		0.0013	1
2923.966	3	34190.119	34190.106	$25209_{9/2}$ – $59399°_{9/2}$	0.013		0.003	1
2924.9844	14	34178.214	34178.215	$20780_{9/2}$ – $54958°_{11/2}$	–0.001		0.0007	1
2925.8198	21	34168.456	34168.458	$33910_{11/2}$ – $68079°_{13/2}$	–0.002		0.0005	1
2926.821	4	34156.771	34156.763	$14967_{5/2}$ – $49124°_{7/2}$	0.008		0.002	1
2927.6909	11	34146.620	34146.619	$19276_{5/2}$ – $53423°_{3/2}$	0.001		0.0009	1
2929.9632	7	34120.139	34120.145	$26158_{9/2}$ – $60278°_{9/2}$	–0.006		0.0015	1
2931.516	5	34102.069	34102.079	$33910_{11/2}$ – $68012°_{11/2}$	–0.010		0.002	1
2931.8688	10	34097.963	34097.966	$26158_{9/2}$ – $60256°_{7/2}$	–0.003		0.0010	1
2932.827	2	34086.822	34086.825	$27273_{7/2}$ – $61360°_{9/2}$	–0.003		0.004	1
2932.857	3	34086.476	34086.483	$18000_{7/2}$ – $52087°_{5/2}$	–0.007		0.003	1
2933.029	2	34084.472	34084.471	$28631_{7/2}$ – $62716°_{9/2}$	0.001		0.004	1
2934.9943	81*p*	34061.653	34061.644	$19276_{5/2}$ – $53338°_{7/2}$	0.009		0.0002	1
2935.1000	8	34060.427	34060.434	$26158_{9/2}$ – $60219°_{11/2}$	–0.007		0.0013	1
2935.1799	9	34059.500	34059.501	$28377_{11/2}$ – $62437°_{9/2}$	–0.001		0.0011	1
2935.299	2	34058.119	34058.122	$17436_{11/2}$ – $51495°_{11/2}$	–0.003		0.004	1
2935.3402	10	34057.640	34057.639	$16234_{5/2}$ – $50292°_{5/2}$	0.001	2.77e+6	0.0010	1w,7t
2935.711	5	34053.334	34053.331	$19276_{5/2}$ – $53329°_{3/2}$	0.003		0.002	1
2935.781	3	34052.523	34052.528	$27273_{7/2}$ – $61326°_{7/2}$	–0.005		0.003	1
2936.6234	90	34042.758	34042.758	$23046_{7/2}$ – $57089°_{9/2}$	0.000		0.0002	1
2937.1875	6	34036.221	34036.222	$19403_{1/2}$ – $53440°_{1/2}$	–0.001		0.0015	1
2937.5877	13	34031.584	34031.590	$23955_{11/2}$ – $57986°_{9/2}$	–0.006		0.0008	1
2937.753	2	34029.667	34029.650	$26226_{5/2}$ – $60256°_{7/2}$	0.017		0.004	1
2938.855	6	34016.911	34016.912	$20039_{7/2}$ – $54056°_{9/2}$	–0.001		0.002	1
2939.7456	16	34006.604	34006.604	$13173_{1/2}$ – $47179°_{3/2}$	0.000	7.07e+6	0.0006	1w,7t
2940.2016	16	34001.331	34001.331	$13411_{7/2}$ – $47413°_{5/2}$	0.000		0.0007	1
2941.473	2	33986.630	33986.627	$20039_{7/2}$ – $54026°_{5/2}$	0.003		0.005	1
2942.096	3	33979.443	33979.459	$31347_{13/2}$ – $65326°_{11/2}$	–0.016		0.003	1
2942.119	2	33979.171	33979.200	$13434_{5/2}$ – $47413°_{5/2}$	–0.029		0.005	1
2942.260	2	33977.546	33977.531	$15146_{7/2}$ – $49124°_{7/2}$	0.015		0.005	1
2942.607	3	33973.533	33973.541	$14857_{9/2}$ – $48830°_{7/2}$	–0.008		0.003	1

TABLE 6. Observed lines of W II—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	σ_{calc} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	λ_{unc} (Å)[4]	Ref.[5]
2944.395	105*bl*	33952.912	33953.270	$28377_{11/2}$ – $62330°_{9/2}$	–0.358		0.013	1
2945.127	2	33944.466	33944.465	$22139_{5/2}$ – $56084°_{3/2}$	0.001		0.005	1
2946.4350	10	33929.402	33929.402	$28631_{7/2}$ – $62561°_{7/2}$	0.000		0.0010	1
2947.716	2	33914.660	33914.659	$34447_{5/2}$ – $68362°_{7/2}$	0.001		0.006	1
2950.4395	21*bl*	33883.353	33883.353	$24804_{7/2}$ – $58687°_{9/2}$	0.000		0.0005	1
			33883.299	$30632_{9/2}$ – $64516°_{9/2}$	0.054			1
2952.2171	26	33862.952	33862.956	$14967_{5/2}$ – $48830°_{7/2}$	–0.004		0.0004	1
2952.2380	7	33862.712	33862.727	$10592_{3/2}$ – $44455°_{1/2}$	–0.015	2.99e+6	0.0014	1w,7t
2952.2686	14	33862.361	33862.372	$18000_{7/2}$ – $51862°_{7/2}$	–0.011		0.0007	1
2952.936	4	33854.705	33854.704	$23234_{9/2}$ – $57089°_{9/2}$	0.001		0.002	1
2954.473	4	33837.095	33837.102	$19276_{5/2}$ – $53113°_{5/2}$	–0.007		0.002	1
2954.9846	8	33831.239	33831.244	$19070_{9/2}$ – $52901°_{7/2}$	–0.005		0.0012	1
2956.661	2	33812.059	33812.083	$18990_{3/2}$ – $52803°_{3/2}$	–0.024		0.005	1
2957.244	4	33805.394	33805.398	$28631_{7/2}$ – $62437°_{9/2}$	–0.004		0.002	1
2958.965	2	33785.732	33785.741	$19637_{5/2}$ – $53423°_{3/2}$	–0.009		0.004	1
2959.896	4	33775.100	33775.111	$26158_{9/2}$ – $59933°_{7/2}$	–0.011		0.002	1
2961.0188	17	33762.297	33762.299	$10592_{3/2}$ – $44354°_{5/2}$	–0.002	2.92e+6	0.0006	1w,7t
2961.773	5	33753.697	33753.690	$35826_{9/2}$ – $69580°_{7/2}$	0.007		0.002	1
2962.528	2	33745.098	33745.126	$35315_{7/2}$ – $69060°_{5/2}$	–0.028		0.005	1
2964.396	2	33723.831	33723.823	$30632_{9/2}$ – $64356°_{7/2}$	0.008		0.005	1
2964.887	4	33718.254	33718.250	$20780_{9/2}$ – $54498°_{7/2}$	0.004		0.002	1
2965.563	5	33710.566	33710.569	$26158_{9/2}$ – $59869°_{7/2}$	–0.003		0.002	1
2973.369	2	33622.064	33622.085	$31347_{13/2}$ – $64969°_{11/2}$	–0.021		0.005	1
2974.3801	9	33610.640	33610.635	$11301_{5/2}$ – $44911°_{3/2}$	0.005	6.90e+6	0.0012	1w,7t
2975.0698	6	33602.848	33602.837	$18990_{3/2}$ – $52593°_{1/2}$	0.011		0.0014	1
2976.4781	15	33586.950	33586.949	$8711_{3/2}$ – $42298°_{3/2}$	0.001	5.12e+6	0.0009	1w,7t
2976.972	3	33581.381	33581.375	$22502_{3/2}$ – $56084°_{3/2}$	0.006		0.003	1
2977.257	2	33578.166	33578.165	$25169_{3/2}$ – $58748°_{3/2}$	0.001		0.005	1
2977.5680	24	33574.656	33574.658	$30632_{9/2}$ – $64207°_{9/2}$	–0.002		0.0004	1
2977.9442	8	33570.415	33570.421	$20455_{3/2}$ – $54026°_{5/2}$	–0.006		0.0012	1
2978.3261	7	33566.111	33566.112	$23046_{7/2}$ – $56612°_{7/2}$	–0.001		0.0014	1
2979.191	2	33556.371	33556.376	$35925_{5/2}$ – $69481°_{5/2}$	–0.005		0.004	1
			33556.364	$31446_{7/2}$ – $65003°_{9/2}$	0.007			1
2982.2098	7	33522.400	33522.403	$20534_{11/2}$ – $54056°_{9/2}$	–0.003		0.0014	1
2985.8148	7	33481.927	33481.927	$23450_{5/2}$ – $56932°_{3/2}$	0.000		0.0014	1
2986.0999	13	33478.731	33478.732	$25209_{9/2}$ – $58687°_{9/2}$	–0.001		0.0007	1
2986.3794	42	33475.598	33475.598	$14857_{9/2}$ – $48332°_{11/2}$	0.000		0.0003	1
2987.2807	19	33465.498	33465.495	$8832_{1/2}$ – $42298°_{3/2}$	0.003	4.09e+6	0.0005	1w,7t
2988.492	6	33451.939	33451.944	$13173_{1/2}$ – $46625°_{1/2}$	–0.005		0.002	1
2988.522	3	33451.594	33451.598	$31538_{5/2}$ – $64990°_{5/2}$	–0.004		0.003	1
2988.718	3	33449.402	33449.397	$31446_{7/2}$ – $64896°_{7/2}$	0.005		0.003	1
2988.804	3	33448.441	33448.436	$23803_{7/2}$ – $57252°_{5/2}$	0.005		0.003	1
2991.823	3	33414.692	33414.690	$28187_{13/2}$ – $61602°_{13/2}$	0.002		0.003	1
2992.0223	12	33412.466	33412.466	$30618_{5/2}$ – $64030°_{5/2}$	0.000		0.0009	1
2994.6825	33	33382.787	33382.787	$27273_{7/2}$ – $60656°_{5/2}$	0.000		0.0004	1
2995.107	6	33378.056	33378.058	$23234_{9/2}$ – $56612°_{7/2}$	–0.002		0.002	1

TABLE 6. Observed lines of W II—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	σ_{calc} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	λ_{unc} (Å)[4]	Ref.[5]
2997.6519	10	33349.720	33349.718	$26929_{11/2}$ – $60278°_{9/2}$	0.002		0.0010	1
2997.786	11*bl*	33348.228	33348.273	$22139_{5/2}$ – $55488°_{3/2}$	–0.045		0.011	1
2998.6877	11	33338.201	33338.204	$8711_{3/2}$ – $42049°_{5/2}$	–0.003	2.44e+6	0.0011	1w,7t
2999.570	4	33328.391	33328.397	$25209_{9/2}$ – $58537°_{7/2}$	–0.006		0.002	1
3000.576	4	33317.219	33317.208	$24991_{3/2}$ – $58308°_{1/2}$	0.011		0.003	1
3000.6182	13	33316.753	33316.753	$14967_{5/2}$ – $48284°_{5/2}$	0.000		0.0008	1
3002.2727	18	33298.393	33298.393	$20039_{7/2}$ – $53338°_{7/2}$	0.000		0.0006	1
3003.4102	7	33285.783	33285.780	$23803_{7/2}$ – $57089°_{9/2}$	0.003		0.0014	1
3004.272	2	33276.232	33276.236	$20780_{9/2}$ – $54056°_{9/2}$	–0.004		0.005	1
3005.416	5	33263.568	33263.561	$25045_{1/2}$ – $58308°_{1/2}$	0.007		0.002	1
3008.9337	14	33224.683	33224.683	$28377_{11/2}$ – $61602°_{13/2}$	0.000		0.0007	1
3010.7409	29	33204.740	33204.741	$19070_{9/2}$ – $52275°_{7/2}$	–0.001		0.0004	1
3011.083	2	33200.969	33200.979	$27273_{7/2}$ – $60474°_{5/2}$	–0.010		0.005	1
3012.098	6	33189.776	33189.775	$19403_{1/2}$ – $52593°_{1/2}$	0.001		0.002	1
3014.5834	18	33162.418	33162.418	$23450_{5/2}$ – $56612°_{7/2}$	0.000		0.0006	1
3015.669	2	33150.483	33150.484	$27273_{7/2}$ – $60424°_{7/2}$	–0.001		0.005	1
3016.462	15*bl*	33141.761	33141.791	$23234_{9/2}$ – $56376°_{11/2}$	–0.030		0.008	1
3017.1569	17	33134.133	33134.133	$23955_{11/2}$ – $57089°_{9/2}$	0.000		0.0006	1
3018.6025	9	33118.266	33118.273	$26158_{9/2}$ – $59276°_{7/2}$	–0.007		0.0012	1
3019.623	4	33107.077	33107.063	$20534_{11/2}$ – $53641°_{13/2}$	0.014		0.003	1
3020.617	3	33096.185	33096.181	$18990_{3/2}$ – $52087°_{5/2}$	0.004		0.003	1
3021.9651	31	33081.416	33081.417	$13411_{7/2}$ – $46493°_{9/2}$	–0.001	4.85e+6	0.0004	1w,7t
3022.4654	9	33075.940	33075.943	$25672_{5/2}$ – $58748°_{3/2}$	–0.003		0.0012	1
			33075.934	$28490_{3/2}$ – $61566°_{5/2}$	0.006			1
3022.6564	11	33073.850	33073.851	$20039_{7/2}$ – $53113°_{5/2}$	–0.001		0.0009	1
3022.8914	7	33071.279	33071.281	$23803_{7/2}$ – $56874°_{5/2}$	–0.002		0.0015	1
3024.4935	55	33053.762	33053.760	$11301_{5/2}$ – $44354°_{5/2}$	0.002	1.18e+7	0.0003	1w,7t
3024.542	4	33053.234	33053.235	$28187_{13/2}$ – $61240°_{11/2}$	–0.001		0.002	1
3025.1366	7	33046.735	33046.737	$35315_{7/2}$ – $68362°_{7/2}$	–0.002		0.0015	1
3027.354	6	33022.534	33022.529	$22139_{5/2}$ – $55162°_{5/2}$	0.005		0.002	1
3028.965	5	33004.964	33004.973	$27273_{7/2}$ – $60278°_{9/2}$	–0.009		0.002	1
3030.983	6	32982.992	32982.993	$28377_{11/2}$ – $61360°_{9/2}$	–0.001		0.002	1
3032.4393	11	32967.156	32967.162	$20455_{3/2}$ – $53423°_{3/2}$	–0.006		0.0009	1
3032.648	2	32964.885	32964.900	$23803_{7/2}$ – $56768°_{7/2}$	–0.015		0.004	1
3033.6213	11	32954.311	32954.311	$14634_{3/2}$ – $47588°_{3/2}$	0.000	7.49e+6	0.0009	1w,7t
3033.784	3	32952.540	32952.524	$22535_{1/2}$ – $55488°_{3/2}$	0.016		0.003	1
3033.9026	12	32951.256	32951.259	$19403_{1/2}$ – $52355°_{1/2}$	–0.003		0.0009	1
3036.6600	19	32921.336	32921.334	$13434_{5/2}$ – $46355°_{5/2}$	0.002		0.0005	1
3037.7209	9	32909.839	32909.822	$31446_{7/2}$ – $64356°_{7/2}$	0.017		0.0011	1
3038.099	3	32905.744	32905.742	$33910_{11/2}$ – $66816°_{9/2}$	0.002		0.003	1
3044.383	4	32837.821	32837.813	$25169_{3/2}$ – $58007°_{3/2}$	0.008		0.002	1
3045.210	5	32828.909	32828.901	$22194_{7/2}$ – $55022°_{7/2}$	0.008		0.002	1
3046.901	4	32810.683	32810.679	$19276_{5/2}$ – $52087°_{5/2}$	0.004		0.003	1
3047.0452	18	32809.135	32809.134	$23803_{7/2}$ – $56612°_{7/2}$	0.001		0.0006	1
3048.5959	20	32792.447	32792.449	$19070_{9/2}$ – $51862°_{7/2}$	–0.002		0.0005	1
3049.551	5	32782.176	32782.187	$28118_{5/2}$ – $60901°_{5/2}$	–0.011		0.002	1

TABLE 6. Observed lines of W II—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	σ_{calc} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	λ_{unc} (Å)[4]	Ref.[5]
3049.8530	58	32778.932	32778.934	$14634_{3/2}$ – $47413°_{5/2}$	–0.002		0.0002	1
3049.9673	11	32777.703	32777.706	$25209_{9/2}$ – $57986°_{9/2}$	–0.003		0.0009	1
3051.067	3	32765.891	32765.895	$30223_{3/2}$ – $62989°_{5/2}$	–0.004		0.004	1
3051.29372	131	32763.455	32763.456	$13411_{7/2}$ – $46175°_{7/2}$	–0.001		0.00009	1
3055.685	3	32716.371	32716.377	$31538_{5/2}$ – $64255°_{3/2}$	–0.006		0.003	1
3058.4421	9	32686.881	32686.882	$25169_{3/2}$ – $57856°_{5/2}$	–0.001		0.0011	1
3061.0121	7	32659.439	32659.439	$22502_{3/2}$ – $55162°_{5/2}$	0.000		0.0015	1
3061.669	6	32652.437	32652.439	$16589_{7/2}$ – $49242°_{5/2}$	–0.002	1.48e+6	0.002	1w,7t
3063.4072	8*p*	32633.905	32633.908	$23450_{5/2}$ – $56084°_{3/2}$	–0.003		0.0013	1
3063.9663	17	32627.951	32627.947	$16553_{9/2}$ – $49181°_{9/2}$	0.004		0.0007	1
3066.9711	23	32595.985	32595.986	$16234_{5/2}$ – $48830°_{7/2}$	–0.001		0.0005	1
3067.4002	9	32591.426	32591.431	$16589_{7/2}$ – $49181°_{9/2}$	–0.005		0.0010	1
3067.5671	16	32589.653	32589.653	$20780_{9/2}$ – $53370°_{9/2}$	0.000		0.0007	1
3067.8579	24	32586.564	32586.568	$19276_{5/2}$ – $51862°_{7/2}$	–0.004		0.0005	1
3069.2841	14	32571.422	32571.421	$16553_{9/2}$ – $49124°_{7/2}$	0.001		0.0008	1
3071.207	7	32551.034	32551.033	$26158_{9/2}$ – $58709°_{7/2}$	0.001		0.002	1
3071.636	3	32546.487	32546.520	$28118_{5/2}$ – $60665°_{3/2}$	–0.033		0.003	1
3071.7189	21	32545.605	32545.605	$14634_{3/2}$ – $47179°_{3/2}$	0.000	6.65e+6	0.0006	1w,7t
3072.7292	8	32534.905	32534.905	$16589_{7/2}$ – $49124°_{7/2}$	0.000		0.0012	1
3073.355	5	32528.285	32528.274	$31347_{13/2}$ – $63875°_{15/2}$	0.011		0.002	1
3074.029	6	32521.144	32521.145	$26226_{5/2}$ – $58748°_{3/2}$	–0.001		0.002	1
3074.069	2*w*	32520.728	32520.761	$25209_{9/2}$ – $57729°_{7/2}$	–0.033		0.03	1
3075.938	7	32500.966	32500.946	$30223_{3/2}$ – $62724°_{3/2}$	0.020		0.002	1
3076.813	3	32491.721	32491.726	$31538_{5/2}$ – $64030°_{5/2}$	–0.005		0.003	1
3077.51684	179	32484.293	32484.294	$23955_{11/2}$ – $56439°_{13/2}$	–0.001		0.00009	1
3078.8406	10	32470.327	32470.331	$26929_{11/2}$ – $59399°_{9/2}$	–0.004		0.0010	1
3079.9812	9	32458.303	32458.300	$23955_{11/2}$ – $56413°_{9/2}$	0.003		0.0011	1
3080.730	2	32450.416	32450.396	$34447_{5/2}$ – $66898°_{7/2}$	0.020		0.006	1
3081.0407	10	32447.141	32447.135	$18990_{3/2}$ – $51438°_{5/2}$	0.006		0.0011	1
3083.5042	19	32421.220	32421.220	$23955_{11/2}$ – $56376°_{11/2}$	0.000		0.0006	1
3087.3998	24	32380.313	32380.315	$13173_{1/2}$ – $45553°_{3/2}$	–0.002	5.46e+6	0.0005	1w,7t
3087.520	5	32379.054	32379.049	$26158_{9/2}$ – $58537°_{7/2}$	0.005		0.003	1
3088.232	3	32371.592	32371.594	$30618_{5/2}$ – $62989°_{5/2}$	–0.002		0.003	1
3089.730	2	32355.890	32355.896	$28118_{5/2}$ – $60474°_{5/2}$	–0.006		0.005	1
3090.342	2	32349.491	32349.489	$32950_{3/2}$ – $65299°_{3/2}$	0.002		0.005	1
3091.122	3	32341.319	32341.314	$31446_{7/2}$ – $63788°_{7/2}$	0.005		0.003	1
3094.048	3	32310.742	32310.733	$26226_{5/2}$ – $58537°_{7/2}$	0.009		0.003	1
3095.8698	23	32291.727	32291.727	$18000_{7/2}$ – $50292°_{5/2}$	0.000	5.45e+6	0.0005	1w,7t
3098.020	2	32269.320	32269.335	$28631_{7/2}$ – $60901°_{5/2}$	–0.015		0.005	1
3098.137	2	32268.102	32268.116	$37312_{7/2}$ – $69580°_{7/2}$	–0.014		0.005	1
3098.3102	8	32266.293	32266.293	$15146_{7/2}$ – $47413°_{5/2}$	0.000		0.0012	1
3098.578	4	32263.509	32263.500	$18990_{3/2}$ – $51254°_{3/2}$	0.009		0.002	1
3100.065	3	32248.027	32248.031	$29341_{9/2}$ – $61589°_{11/2}$	–0.004		0.003	1
3100.7315	17	32241.098	32241.098	$16589_{7/2}$ – $48830°_{7/2}$	0.000		0.0007	1
3101.222	2	32236.000	32235.998	$22139_{5/2}$ – $54375°_{5/2}$	0.002		0.006	1
3102.2145	10	32225.686	32225.690	$19637_{5/2}$ – $51862°_{7/2}$	–0.004		0.0011	1

TABLE 6. Observed lines of W II—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	σ_{calc} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	λ_{unc} (Å)[4]	Ref.[5]
3103.514	4	32212.188	32212.196	$14967_{5/2}$ – $47179°_{3/2}$	–0.008		0.003	1
3106.170	4	32184.647	32184.660	$25672_{5/2}$ – $57856°_{5/2}$	–0.013		0.003	1
3106.6059	9	32180.135	32180.136	$34090_{9/2}$ – $66271°_{9/2}$	–0.001		0.0014	1
3108.395	2	32161.615	32161.633	$19276_{5/2}$ – $51438°_{5/2}$	–0.018		0.005	1
3108.7763	14	32157.669	32157.668	$23234_{9/2}$ – $55392°_{9/2}$	0.001		0.0007	1
3110.6908	11	32137.878	32137.878	$20455_{3/2}$ – $52593°_{1/2}$	0.000		0.0010	1
3112.283	3	32121.440	32121.436	$20780_{9/2}$ – $52901°_{7/2}$	0.004		0.003	1
3112.464	3	32119.567	32119.582	$13434_{5/2}$ – $45553°_{3/2}$	–0.015	9.17e+5	0.003	1w,7t
3112.8424	22	32115.665	32115.666	$23046_{7/2}$ – $55162°_{5/2}$	–0.001		0.0005	1
3113.373	5	32110.189	32110.199	$26226_{5/2}$ – $58337°_{5/2}$	–0.010		0.002	1
3113.717	4	32106.641	32106.645	$30618_{5/2}$ – $62724°_{3/2}$	–0.004		0.003	1
3116.083	3	32082.264	32082.261	$25169_{3/2}$ – $57252°_{5/2}$	0.003		0.003	1
3118.453	5	32057.889	32057.895	$25672_{5/2}$ – $57729°_{7/2}$	–0.006		0.002	1
3118.968	2	32052.590	32052.588	$19442_{13/2}$ – $51495°_{11/2}$	0.002		0.006	1
3121.0282	8	32031.436	32031.437	$28187_{13/2}$ – $60219°_{11/2}$	–0.001		0.0014	1
3125.301	2	31987.642	31987.648	$31100_{11/2}$ – $63087°_{13/2}$	–0.006		0.004	1
3125.677	2	31983.799	31983.812	$28490_{3/2}$ – $60474°_{5/2}$	–0.013		0.005	1
3125.7794	9	31982.750	31982.750	$22502_{3/2}$ – $54485°_{1/2}$	0.000		0.0012	1
3126.4187	13	31976.210	31976.208	$23046_{7/2}$ – $55022°_{7/2}$	0.002		0.0009	1
3127.614	2	31963.988	31963.990	$24804_{7/2}$ – $56768°_{7/2}$	–0.002		0.005	1
3127.7369	14	31962.734	31962.734	$26929_{11/2}$ – $58891°_{11/2}$	0.000		0.0008	1
3128.9746	13	31950.091	31950.091	$22535_{1/2}$ – $54485°_{1/2}$	0.000		0.0009	1
3131.124	2	31928.155	31928.163	$30632_{9/2}$ – $62561°_{7/2}$	–0.008		0.005	1
3133.776	5	31901.136	31901.141	$28377_{11/2}$ – $60278°_{9/2}$	–0.005		0.002	1
3133.9485	16	31899.385	31899.387	$29341_{9/2}$ – $61240°_{11/2}$	–0.002		0.0007	1
			31899.362	$20455_{3/2}$ – $52355°_{1/2}$	0.023			1
3135.155	4	31887.111	31887.107	$25045_{1/2}$ – $56932°_{3/2}$	0.004		0.002	1
3135.220	5	31886.451	31886.448	$22139_{5/2}$ – $54026°_{5/2}$	0.003		0.002	1
3135.8292	10	31880.254	31880.249	$25209_{9/2}$ – $57089°_{9/2}$	0.005		0.0011	1
3137.209	5	31866.234	31866.228	$31100_{11/2}$ – $62966°_{11/2}$	0.006		0.002	1
3137.570	3	31862.564	31862.563	$22194_{7/2}$ – $54056°_{9/2}$	0.001		0.003	1
3138.023	6	31857.972	31857.970	$35315_{7/2}$ – $67173°_{5/2}$	0.002		0.002	1
3138.765	2	31850.436	31850.438	$19403_{1/2}$ – $51254°_{3/2}$	–0.002		0.005	1
3139.494	5	31843.038	31843.044	$28631_{7/2}$ – $60474°_{5/2}$	–0.006		0.002	1
3140.942	3	31828.363	31828.358	$26158_{9/2}$ – $57986°_{9/2}$	0.005		0.003	1
3142.931	4	31808.217	31808.224	$24804_{7/2}$ – $56612°_{7/2}$	–0.007		0.003	1
3143.3323	9	31804.159	31804.159	$30632_{9/2}$ – $62437°_{9/2}$	0.000		0.0012	1
3144.480	6	31792.551	31792.556	$19070_{9/2}$ – $50863°_{9/2}$	–0.005		0.002	1
			31792.549	$28631_{7/2}$ – $60424°_{7/2}$	0.002			1
3145.5152	9	31782.089	31782.089	$26526_{1/2}$ – $58308°_{1/2}$	0.000		0.0012	1
3145.75462	228	31779.670	31779.671	$16553_{9/2}$ – $48332°_{11/2}$	–0.001		0.00010	1
3146.2846	13	31774.317	31774.318	$33910_{11/2}$ – $65684°_{11/2}$	–0.001		0.0008	1
3147.8062	10	31758.958	31758.957	$26929_{11/2}$ – $58687°_{9/2}$	0.001		0.0011	1
3148.664	3	31750.302	31750.314	$28118_{5/2}$ – $59869°_{7/2}$	–0.012		0.003	1
3149.6025	8	31740.846	31740.847	$31347_{13/2}$ – $63087°_{13/2}$	–0.001		0.0014	1
3149.8530	58	31738.322	31738.322	$13173_{1/2}$ – $44911°_{3/2}$	0.000	1.22e+7	0.0002	1w,7t

TABLE 6. Observed lines of W II—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	σ_{calc} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	λ_{unc} (Å)[4]	Ref.[5]
3151.2953	38	31723.796	31723.795	$23234_{9/2}$ – $54958°_{11/2}$	0.001		0.0003	1
3151.5665	17	31721.067	31721.068	$14634_{3/2}$ – $46355°_{5/2}$	–0.001		0.0007	1
3152.227	5	31714.419	31714.423	$29341_{9/2}$ – $61055°_{9/2}$	–0.004		0.002	1
3152.362	5	31713.065	31713.069	$35315_{7/2}$ – $67028°_{9/2}$	–0.004		0.002	1
3152.4704	47	31711.972	31711.972	$23450_{5/2}$ – $55162°_{5/2}$	0.000		0.0003	1
3152.747	4	31709.190	31709.199	$7420_{5/2}$ – $39129°_{3/2}$	–0.009	4.55e+5	0.003	1w,7t
3153.975	4	31696.844	31696.833	$34447_{5/2}$ – $66144°_{5/2}$	0.011		0.003	1
3154.169	5	31694.894	31694.895	$16589_{7/2}$ – $48284°_{5/2}$	–0.001		0.002	1
3155.420	3	31682.332	31682.329	$41583_{9/2}$ – $73266°_{11/2}$	0.003		0.003	1
3160.0214	79	31636.197	31636.196	$14857_{9/2}$ – $46493°_{9/2}$	0.001	6.38e+6	0.0002	1w,7t
3160.655	2	31629.855	31629.862	$26226_{5/2}$ – $57856°_{5/2}$	–0.007		0.005	1
3161.928	4	31617.117	31617.120	$19637_{5/2}$ – $51254°_{3/2}$	–0.003		0.003	1
3162.2011	7	31614.391	31614.389	$31100_{11/2}$ – $62714°_{13/2}$	0.002		0.0013	1
3164.0468	22	31595.950	31595.988	$31538_{5/2}$ – $63134°_{3/2}$	–0.038		0.0006	1
3164.242	6	31594.000	31593.999	$34090_{9/2}$ – $65684°_{11/2}$	0.001		0.002	1
3164.7692	8	31588.738	31588.744	$23803_{7/2}$ – $55392°_{9/2}$	–0.006		0.0013	1
3165.644	4	31580.011	31580.039	$25672_{5/2}$ – $57252°_{5/2}$	–0.028		0.003	1
3166.506	6	31571.410	31571.413	$26158_{9/2}$ – $57729°_{7/2}$	–0.003		0.002	1
3168.345	3	31553.085	31553.101	$34090_{9/2}$ – $65643°_{7/2}$	–0.016		0.004	1
3171.332	3	31523.366	31523.358	$22502_{3/2}$ – $54026°_{5/2}$	0.008		0.004	1
3173.540	3	31501.442	31501.459	$28490_{3/2}$ – $59992°_{5/2}$	–0.017		0.003	1
3175.603	3	31480.974	31480.980	$26526_{1/2}$ – $58007°_{3/2}$	–0.006		0.004	1
3175.9446	44	31477.589	31477.589	$13434_{5/2}$ – $44911°_{3/2}$	0.000	9.78e+6	0.0003	1w,7t
3177.1879	21	31465.272	31465.270	$13411_{7/2}$ – $44877°_{7/2}$	0.002	5.96e+6	0.0006	1w,7t
3178.0243	21	31456.991	31456.993	$10592_{3/2}$ – $42049°_{5/2}$	–0.002	2.26e+6	0.0006	1w,7t
3178.645	6	31450.853	31450.854	$31538_{5/2}$ – $62989°_{5/2}$	–0.001		0.002	1
3179.4244	23	31443.139	31443.139	$13434_{5/2}$ – $44877°_{7/2}$	0.000	2.68e+6	0.0005	1w,7t
3180.0356	19	31437.096	31437.097	$23955_{11/2}$ – $55392°_{9/2}$	–0.001		0.0006	1
3182.1713	10	31415.998	31415.998	$33910_{11/2}$ – $65326°_{11/2}$	0.000		0.0011	1
3183.156	3	31406.279	31406.290	$32950_{7/2}$ – $64356°_{7/2}$	–0.011		0.004	1
3183.4274	14	31403.602	31403.603	$25209_{9/2}$ – $56612°_{7/2}$	–0.001		0.0008	1
3183.956	7	31398.386	31398.382	$20039_{7/2}$ – $51438°_{5/2}$	0.004		0.002	1
3185.043	5	31387.673	31387.659	$14967_{5/2}$ – $46355°_{5/2}$	0.014		0.002	1
3186.366	4	31374.641	31374.631	$25169_{3/2}$ – $56544°_{5/2}$	0.010		0.003	1
3187.0825	25	31367.588	31367.588	$31347_{13/2}$ – $62714°_{13/2}$	0.000		0.0005	1
3187.780	4	31360.728	31360.691	$28631_{7/2}$ – $59992°_{5/2}$	0.037		0.003	1
3187.9868	8	31358.691	31358.688	$23803_{7/2}$ – $55162°_{5/2}$	0.003		0.0013	1
3188.471	4	31353.933	31353.932	$16234_{5/2}$ – $47588°_{3/2}$	0.001	1.05e+6	0.002	1w,7t
3189.2387	30	31346.382	31346.379	$15146_{7/2}$ – $46493°_{9/2}$	0.003	6.18e+6	0.0004	1w,7t
3189.572	3	31343.108	31343.110	$30223_{3/2}$ – $61566°_{5/2}$	–0.002		0.004	1
3190.9943	10	31329.137	31329.135	$23046_{7/2}$ – $54375°_{5/2}$	0.002		0.0011	1
3192.1053	8	31318.233	31318.235	$14857_{9/2}$ – $46175°_{7/2}$	–0.002		0.0013	1
3193.172	2	31307.767	31307.772	$37312_{7/2}$ – $68619°_{7/2}$	–0.005		0.005	1
3193.821	5	31301.411	31301.425	$18990_{3/2}$ – $50292°_{5/2}$	–0.014	1.66e+6	0.002	1w,7t
3195.682	4	31283.187	31283.189	$22139_{5/2}$ – $53423°_{3/2}$	–0.002		0.003	1

TABLE 6. Observed lines of W II—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	σ_{calc} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	λ_{unc} (Å)[4]	Ref.[5]
3197.111	2*p*	31269.197	31269.231	$31446_{7/2}$ – $62716°_{9/2}$	–0.034		0.03	1
3198.3459	13	31257.127	31257.125	$32950_{7/2}$ – $64207°_{9/2}$	0.002		0.0008	1
3200.360	6	31237.461	31237.462	$28631_{7/2}$ – $59869°_{7/2}$	–0.001		0.002	1
3200.543	5	31235.669	31235.679	$34090_{9/2}$ – $65326°_{11/2}$	–0.010		0.002	1
3201.57875	178	31225.566	31225.568	$8711_{3/2}$ – $39936°_{5/2}$	–0.002		0.00010	1
3202.227	5	31219.241	31219.230	$23803_{7/2}$ – $55022°_{7/2}$	0.011		0.002	1
3203.3371	40	31208.427	31208.427	$15146_{7/2}$ – $46355°_{5/2}$	0.000		0.0003	1
3203.4167	24	31207.651	31207.650	$14967_{5/2}$ – $46175°_{7/2}$	0.001		0.0005	1
3204.3859	21	31198.212	31198.214	$22139_{5/2}$ – $53338°_{7/2}$	–0.002		0.0005	1
3205.241	3	31189.891	31189.901	$22139_{5/2}$ – $53329°_{3/2}$	–0.010		0.004	1
3205.651	5	31185.898	31185.905	$31538_{5/2}$ – $62724°_{3/2}$	–0.007		0.002	1
3206.216	2	31180.410	31180.407	$18000_{7/2}$ – $49181°_{9/2}$	0.003		0.005	1
3206.4064	33	31178.554	31178.555	$16234_{5/2}$ – $47413°_{5/2}$	–0.001		0.0004	1
3206.671	4	31175.982	31175.980	$22194_{7/2}$ – $53370°_{9/2}$	0.002		0.003	1
3207.5607	8	31167.334	31167.336	$25209_{9/2}$ – $56376°_{11/2}$	–0.002		0.0012	1
3209.9594	37	31144.044	31144.044	$22194_{7/2}$ – $53338°_{7/2}$	0.000		0.0003	1
3215.2567	22	31092.735	31092.744	$33910_{11/2}$ – $65003°_{9/2}$	–0.009		0.0005	1
			31092.735	$24991_{3/2}$ – $56084°_{3/2}$	0.000			1
3215.61598	108	31089.261	31089.263	$11301_{5/2}$ – $42390°_{7/2}$	–0.002	3.00e+6	0.00010	1w,7t
3216.2995	10	31082.654	31082.641	$20780_{9/2}$ – $51862°_{7/2}$	0.013		0.0012	1
3217.464	4	31071.402	31071.415	$35826_{9/2}$ – $66898°_{7/2}$	–0.013		0.003	1
3218.789	2	31058.619	31058.624	$33910_{11/2}$ – $64969°_{11/2}$	–0.005		0.005	1
3222.069	2	31026.997	31027.008	$19403_{1/2}$ – $50430°_{3/2}$	–0.011		0.005	1
3222.253	3	31025.231	31025.241	$26226_{5/2}$ – $57252°_{5/2}$	–0.010		0.004	1
3222.6137	10	31021.755	31021.754	$28377_{11/2}$ – $59399°_{9/2}$	0.001		0.0011	1
3224.540	5	31003.226	31003.224	$23955_{11/2}$ – $54958°_{11/2}$	0.002		0.002	1
3225.468	6	30994.301	30994.304	$23234_{9/2}$ – $54229°_{11/2}$	–0.003	2.43e+6	0.002	1w,7t
3226.735	3	30982.130	30982.176	$20455_{3/2}$ – $51438°_{5/2}$	–0.046		0.004	1
3228.952	3	30960.861	30960.863	$20534_{11/2}$ – $51495°_{11/2}$	–0.002		0.004	1
3229.403	5	30956.543	30956.530	$30632_{9/2}$ – $61589°_{11/2}$	0.013		0.002	1
3229.862	3	30952.141	30952.131	$28490_{3/2}$ – $59443°_{5/2}$	0.010		0.004	1
3230.5843	8	30945.220	30945.226	$16234_{5/2}$ – $47179°_{3/2}$	–0.006	1.64e+6	0.0014	1w,7t
3230.832	3	30942.848	30942.845	$13411_{7/2}$ – $44354°_{5/2}$	0.003	3.79e+5	0.004	1w,7t
3232.079	4	30930.909	30930.901	$26158_{9/2}$ – $57089°_{9/2}$	0.008		0.003	1
3232.650	12*p*	30925.442	30925.441	$23450_{5/2}$ – $54375°_{5/2}$	0.001		0.002	1
3233.147	4	30920.696	30920.714	$13434_{5/2}$ – $44354°_{5/2}$	–0.018	3.66e+5	0.003	1w,7t
3233.209	6	30920.100	30920.099	$22502_{3/2}$ – $53423°_{3/2}$	0.001		0.002	1
3233.273	5	30919.490	30919.502	$22194_{7/2}$ – $53113°_{5/2}$	–0.012		0.002	1
3233.458	2	30917.716	30917.722	$30632_{9/2}$ – $61550°_{7/2}$	–0.006		0.005	1
3233.800	2	30914.449	30914.449	$25169_{3/2}$ – $56084°_{3/2}$	0.000		0.005	1
3235.7494	22	30895.825	30895.826	$17436_{11/2}$ – $48332°_{11/2}$	–0.001		0.0005	1
3236.6279	18	30887.439	30887.440	$22535_{1/2}$ – $53423°_{3/2}$	–0.001		0.0005	1
3237.6602	21	30877.591	30877.589	$29341_{9/2}$ – $60219°_{11/2}$	0.002		0.0005	1
3242.772	4	30828.918	30828.911	$35315_{7/2}$ – $66144°_{5/2}$	0.007		0.003	1
3242.9936	19	30826.812	30826.811	$22502_{3/2}$ – $53329°_{3/2}$	0.001		0.0006	1
3243.3244	31	30823.668	30823.667	$16589_{7/2}$ – $47413°_{5/2}$	0.001		0.0004	1

TABLE 6. Observed lines of W II—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	σ_{calc} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	λ_{unc} (Å)[4]	Ref.[5]
3243.3502	14	30823.423	30823.424	$20039_{7/2}$ – $50863°_{9/2}$	–0.001		0.0008	1
3243.424	5	30822.724	30822.730	$14634_{3/2}$ – $45457°_{1/2}$	–0.006		0.002	1
3245.242	4	30805.451	30805.458	$34090_{9/2}$ – $64896°_{7/2}$	–0.007		0.003	1
3246.482	5	30793.688	30793.690	$19637_{5/2}$ – $50430°_{3/2}$	–0.002		0.002	1
3249.8346	10	30761.923	30761.933	$22139_{5/2}$ – $52901°_{7/2}$	–0.010		0.0010	1
3251.268	7*bl*	30748.362	30748.454	$11301_{5/2}$ – $42049°_{5/2}$	–0.092	6.15e+5	0.003	1w,7t
3254.830	2	30714.713	30714.696	$20780_{9/2}$ – $51495°_{11/2}$	0.017		0.005	1
3254.9919	39	30713.185	30713.186	$27273_{7/2}$ – $57986°_{9/2}$	–0.001		0.0003	1
3255.516	4	30708.241	30708.236	$30618_{5/2}$ – $61326°_{7/2}$	0.005		0.003	1
3255.565	4	30707.781	30707.763	$22194_{7/2}$ – $52901°_{7/2}$	0.018		0.003	1
3257.791	4	30686.796	30686.807	$23450_{5/2}$ – $54137°_{3/2}$	–0.011		0.003	1
3260.304	2	30663.146	30663.151	$22139_{5/2}$ – $52803°_{3/2}$	–0.005		0.007	1
3261.165	2*p*	30655.053	30655.045	$19637_{5/2}$ – $50292°_{5/2}$	0.008		0.008	1
3261.902	2	30648.127	30648.248	$32486_{3/2}$ – $63134°_{3/2}$	–0.121		0.02	1
			30648.086	$26226_{5/2}$ – $56874°_{5/2}$	0.041			1
3262.2168	32	30645.166	30645.166	$28631_{7/2}$ – $59276°_{7/2}$	0.000		0.0004	1
3265.963	6	30610.012	30610.021	$26158_{9/2}$ – $56768°_{7/2}$	–0.009		0.002	1
3267.3905	19	30596.643	30596.644	$41583_{9/2}$ – $72180°_{11/2}$	–0.001		0.0006	1
3268.3314	9	30587.835	30587.834	$24804_{7/2}$ – $55392°_{9/2}$	0.001		0.0012	1
3268.5373	11	30585.908	30585.907	$14967_{5/2}$ – $45553°_{3/2}$	0.001	2.27e+6	0.0011	1w,7t
3268.846	6	30583.016	30583.006	$27273_{7/2}$ – $57856°_{5/2}$	0.010		0.002	1
3270.006	5	30572.174	30572.157	$23803_{7/2}$ – $54375°_{5/2}$	0.017		0.002	1
3273.268	4	30541.704	30541.705	$26226_{5/2}$ – $56768°_{7/2}$	–0.001		0.003	1
3274.769	4	30527.705	30527.724	$29341_{9/2}$ – $59869°_{7/2}$	–0.019		0.003	1
3277.408	2	30503.123	30503.114	$32486_{3/2}$ – $62989°_{5/2}$	0.009		0.005	1
3277.532	3	30501.976	30501.982	$31100_{11/2}$ – $61602°_{13/2}$	–0.006		0.004	1
3277.787	2	30499.596	30499.617	$30618_{5/2}$ – $61117°_{3/2}$	–0.021		0.007	1
3278.9084	11	30489.169	30489.171	$31100_{11/2}$ – $61589°_{11/2}$	–0.002		0.0011	1
3282.454	3	30456.240	30456.241	$27273_{7/2}$ – $57729°_{7/2}$	–0.001		0.004	1
3282.670	6	30454.236	30454.255	$26158_{9/2}$ – $56612°_{7/2}$	–0.019		0.002	1
3283.735	7	30444.356	30444.359	$35826_{9/2}$ – $66271°_{9/2}$	–0.003		0.002	1
3285.7855	9	30425.358	30425.359	$34090_{9/2}$ – $64516°_{9/2}$	–0.001		0.0013	1
3286.5601	21	30418.187	30418.186	$8711_{3/2}$ – $39129°_{3/2}$	0.001	1.51e+6	0.0008	1w,7t
3287.916	4	30405.639	30405.635	$26526_{1/2}$ – $56932°_{3/2}$	0.004		0.003	1
3291.425	2	30373.233	30373.245	$22194_{7/2}$ – $52567°_{9/2}$	–0.012		0.005	1
3293.104	8	30357.744	30357.778	$24804_{7/2}$ – $55162°_{5/2}$	–0.034		0.002	1
3297.392	3	30318.267	30318.257	$25169_{3/2}$ – $55488°_{3/2}$	0.010		0.004	1
3297.462	2	30317.620	30317.611	$26226_{5/2}$ – $56544°_{5/2}$	0.009		0.006	1
3298.2499	29	30310.381	30310.380	$28377_{11/2}$ – $58687°_{9/2}$	0.001		0.0004	1
3299.375	3	30300.050	30300.061	$22502_{3/2}$ – $52803°_{3/2}$	–0.011		0.004	1
3299.7358	12	30296.733	30296.732	$8832_{1/2}$ – $39129°_{3/2}$	0.001	8.40e+5	0.0009	1w,7t
3300.3221	16	30291.351	30291.351	$23046_{7/2}$ – $53338°_{7/2}$	0.000		0.0008	1
3301.235	5	30282.977	30282.978	$30618_{5/2}$ – $60901°_{5/2}$	–0.001		0.002	1
3301.851	4	30277.326	30277.323	$14634_{3/2}$ – $44911°_{3/2}$	0.003	3.23e+6	0.003	1w,7t
3303.203	2	30264.937	30264.934	$20780_{9/2}$ – $51045°_{7/2}$	0.003		0.005	1
3303.710	3	30260.288	30260.292	$31100_{11/2}$ – $61360°_{9/2}$	–0.004		0.004	1

TABLE 6. Observed lines of W II—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	σ_{calc} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	λ_{unc} (Å)[4]	Ref.[5]
3304.270	4	30255.164	30255.181	$31347_{13/2}$ – $61602°_{13/2}$	–0.017		0.003	1
3304.5180	19	30252.890	30252.892	$23803_{7/2}$ – $54056°_{9/2}$	–0.002		0.0007	1
3306.1273	8	30238.164	30238.165	$32486_{3/2}$ – $62724°_{3/2}$	–0.001		0.0014	1
3308.297	3	30218.335	30218.320	$24804_{7/2}$ – $55022°_{7/2}$	0.015		0.006	1
3308.3348	29	30217.988	30217.988	$26158_{9/2}$ – $56376°_{11/2}$	0.000		0.0004	1
3310.1514	10	30201.405	30201.404	$41583_{9/2}$ – $71785°_{9/2}$	0.001		0.0011	1
3312.000	2	30184.547	30184.547	$32950_{3/2}$ – $63134°_{3/2}$	0.000		0.005	1
3313.509	4	30170.801	30170.799	$24991_{3/2}$ – $55162°_{5/2}$	0.002		0.003	1
3314.100	3	30165.423	30165.427	$35315_{7/2}$ – $65481°_{5/2}$	–0.004		0.004	1
3314.306	3	30163.547	30163.555	$18990_{3/2}$ – $49154°_{1/2}$	–0.008		0.004	1
3314.646	2	30160.450	30160.474	$26929_{11/2}$ – $57089°_{9/2}$	–0.024		0.005	1
3316.838	4	30140.526	30140.527	$31100_{11/2}$ – $61240°_{11/2}$	–0.001		0.003	1
3317.399	6	30135.428	30135.430	$22139_{5/2}$ – $52275°_{7/2}$	–0.002		0.002	1
3319.4598	8	30116.718	30116.718	$34090_{9/2}$ – $64207°_{9/2}$	0.000		0.0014	1
3320.145	2	30110.500	30110.484	$19070_{9/2}$ – $49181°_{9/2}$	0.016		0.006	1
3320.893	3	30103.719	30103.721	$31446_{7/2}$ – $61550°_{7/2}$	–0.002		0.004	1
3320.940	4	30103.291	30103.297	$23234_{9/2}$ – $53338°_{7/2}$	–0.006		0.003	1
3321.136	3	30101.514	30101.467	$35925_{5/2}$ – $66026°_{7/2}$	0.047		0.004	1
3323.374	3	30081.250	30081.260	$22194_{7/2}$ – $52275°_{7/2}$	–0.010		0.004	1
3323.735	476*bl*	30077.980	30077.926	$28631_{7/2}$ – $58709°_{7/2}$	0.054		0.004	1
3325.954	5	30057.918	30057.913	$29341_{9/2}$ – $59399°_{9/2}$	0.005		0.002	1
3326.133	3	30056.297	30056.277	$28631_{7/2}$ – $58687°_{9/2}$	0.020		0.006	1
3328.000	3	30039.433	30039.413	$32950_{3/2}$ – $62989°_{5/2}$	0.020		0.004	1
3333.206	5	29992.516	29992.513	$25169_{3/2}$ – $55162°_{5/2}$	0.003		0.002	1
3333.263	4	29992.010	29992.010	$18990_{3/2}$ – $48982°_{3/2}$	0.000	1.74e+6	0.003	1w,7t
3334.778	6	29978.383	29978.385	$27273_{7/2}$ – $57252°_{5/2}$	–0.002		0.002	1
3335.419	4	29972.625	29972.632	$23450_{5/2}$ – $53423°_{3/2}$	–0.007		0.003	1
3335.930	5	29968.032	29968.034	$32486_{3/2}$ – $62454°_{3/2}$	–0.002		0.002	1
3338.245	7	29947.247	29947.249	$22139_{5/2}$ – $52087°_{5/2}$	–0.002		0.002	1
3338.6169	14	29943.913	29943.914	$14967_{5/2}$ – $44911°_{3/2}$	–0.001	2.05e+6	0.0009	1w,7t
3338.978	3	29940.674	29940.680	$16234_{5/2}$ – $46175°_{7/2}$	–0.006		0.004	1
3339.0231	16	29940.270	29940.269	$16553_{9/2}$ – $46493°_{9/2}$	0.001	1.10e+6	0.0007	1w,7t
3339.564	7	29935.421	29935.428	$29341_{9/2}$ – $59276°_{7/2}$	–0.007		0.002	1
3342.4623	60	29909.464	29909.464	$14967_{5/2}$ – $44877°_{7/2}$	0.000	5.80e+6	0.0002	1w,7t
3342.8559	17	29905.943	29905.942	$28631_{7/2}$ – $58537°_{7/2}$	0.001		0.0007	1
3343.10068	102	29903.753	29903.753	$16589_{7/2}$ – $46493°_{9/2}$	0.000	6.07e+6	0.00011	1w,7t
3343.41576	150	29900.935	29900.935	$14857_{9/2}$ – $44758°_{9/2}$	0.000	4.81e+6	0.00011	1w,7t
3344.9013	35	29887.656	29887.657	$23450_{5/2}$ – $53338°_{7/2}$	–0.001		0.0003	1
3345.831	81*bl*	29879.347	29879.344	$23450_{5/2}$ – $53329°_{3/2}$	0.003		0.002	1
3348.2879	26	29857.427	29857.429	$26226_{5/2}$ – $56084°_{3/2}$	–0.002		0.0004	1
3348.371	6	29856.689	29856.687	$30618_{5/2}$ – $60474°_{5/2}$	0.002		0.002	1
3348.8631	41	29852.299	29852.299	$22502_{3/2}$ – $52355°_{1/2}$	0.000		0.0003	1
3349.336	3	29848.081	29848.077	$19276_{5/2}$ – $49124°_{7/2}$	0.004		0.004	1
3349.487	2	29846.737	29846.722	$32486_{3/2}$ – $62333°_{5/2}$	0.015		0.007	1
3349.547	2	29846.203	29846.176	$28490_{3/2}$ – $58337°_{5/2}$	0.027		0.006	1
3350.639	7	29836.480	29836.466	$20455_{3/2}$ – $50292°_{5/2}$	0.014	2.05e+6	0.002	1w,7t

TABLE 6. Observed lines of W II—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	σ_{calc} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	λ_{unc} (Å)[4]	Ref.[5]
3352.392	4	29820.874	29820.876	$14634_{3/2}$ – $44455°_{1/2}$	–0.002	6.29e+5	0.003	1w,7t
3352.7288	13	29817.880	29817.879	$28490_{3/2}$ – $58308°_{1/2}$	0.001		0.0009	1
3352.938	6	29816.018	29816.035	$25672_{5/2}$ – $55488°_{3/2}$	–0.017		0.002	1
3352.969	4	29815.744	29815.729	$27273_{7/2}$ – $57089°_{9/2}$	0.015		0.003	1
3358.275	4	29768.639	29768.635	$30223_{3/2}$ – $59992°_{5/2}$	0.004		0.003	1
3358.5950	79	29765.801	29765.801	$16589_{7/2}$ – $46355°_{5/2}$	0.000		0.0002	1
3359.233	3	29760.151	29760.151	$19070_{9/2}$ – $48830°_{7/2}$	0.000		0.004	1
3360.3234	11	29750.492	29750.493	$19403_{1/2}$ – $49154°_{1/2}$	–0.001		0.0011	1
3361.1037	38	29743.585	29743.585	$8832_{1/2}$ – $38576°_{1/2}$	0.000	6.47e+6	0.0003	1w,7t
3363.7205	15	29720.447	29720.448	$14634_{3/2}$ – $44354°_{5/2}$	–0.001	1.28e+6	0.0008	1w,7t
3363.924	3	29718.646	29718.632	$35925_{5/2}$ – $65643°_{7/2}$	0.014		0.004	1
3364.568	2	29712.960	29712.994	$24991_{3/2}$ – $54704°_{5/2}$	–0.034		0.007	1
3366.336	2	29697.353	29697.375	$34090_{9/2}$ – $63788°_{7/2}$	–0.022		0.006	1
3366.7168	7	29693.997	29693.996	$24804_{7/2}$ – $54498°_{7/2}$	0.001		0.0015	1
3369.778	3	29667.019	29667.016	$23234_{9/2}$ – $52901°_{7/2}$	0.003		0.005	1
3370.222	6	29663.114	29663.115	$23450_{5/2}$ – $53113°_{5/2}$	–0.001		0.002	1
3370.457	6	29661.043	29661.044	$41583_{9/2}$ – $71245°_{9/2}$	–0.001		0.002	1
3372.1906	21	29645.799	29645.799	$30632_{9/2}$ – $60278°_{9/2}$	0.000		0.0006	1
3372.330	3	29644.573	29644.582	$32486_{3/2}$ – $62131°_{1/2}$	–0.009		0.004	1
3374.119	2	29628.853	29628.852	$35826_{9/2}$ – $65455°_{7/2}$	0.001		0.006	1
3374.8649	22	29622.308	29622.308	$16553_{9/2}$ – $46175°_{7/2}$	0.000		0.0006	1
3376.140	156*bl*	29611.118	29611.158	$28118_{5/2}$ – $57729°_{7/2}$	–0.040		0.005	1
			29611.118	$15146_{7/2}$ – $44758°_{9/2}$	0.000	6.03e+6		1w,7t
3376.1956	15	29610.633	29610.630	$32950_{7/2}$ – $62561°_{7/2}$	0.003		0.0008	1
3377.268	5	29601.234	29601.230	$27273_{7/2}$ – $56874°_{5/2}$	0.004		0.002	1
3379.0305	36	29585.791	29585.792	$16589_{7/2}$ – $46175°_{7/2}$	–0.001		0.0003	1
3379.607	2	29580.741	29580.740	$35315_{7/2}$ – $64896°_{7/2}$	0.001		0.005	1
3380.6926	9	29571.246	29571.247	$24804_{7/2}$ – $54375°_{5/2}$	–0.001		0.0013	1
3382.250	2	29557.626	29557.616	$26526_{1/2}$ – $56084°_{3/2}$	0.010		0.006	1
3382.6341	11	29554.274	29554.270	$19276_{5/2}$ – $48830°_{7/2}$	0.004		0.0010	1
3383.0877	13	29550.311	29550.316	$29341_{9/2}$ – $58891°_{11/2}$	–0.005		0.0009	1
3384.879	2	29534.673	29534.708	$25169_{3/2}$ – $54704°_{5/2}$	–0.035		0.006	1
3384.912	6	29534.386	29534.373	$23803_{7/2}$ – $53338°_{7/2}$	0.013		0.002	1
3386.498	6	29520.554	29520.552	$23046_{7/2}$ – $52567°_{9/2}$	0.002		0.002	1
3386.933	2	29516.761	29516.770	$28490_{3/2}$ – $58007°_{3/2}$	–0.009		0.006	1
3387.637	6	29510.628	29510.635	$26929_{11/2}$ – $56439°_{13/2}$	–0.007		0.002	1
3388.8688	8	29499.903	29499.902	$35826_{9/2}$ – $65326°_{11/2}$	0.001		0.0015	1
3389.535	2	29494.108	29494.110	$24991_{3/2}$ – $54485°_{1/2}$	–0.002		0.006	1
3389.972	2	29490.305	29490.291	$25672_{5/2}$ – $55162°_{5/2}$	0.014		0.005	1
3390.329	2	29487.198	29487.199	$19637_{5/2}$ – $49124°_{7/2}$	–0.001		0.007	1
3394.452	7	29451.386	29451.376	$23450_{5/2}$ – $52901°_{7/2}$	0.010		0.002	1
3394.894	3	29447.551	29447.561	$26929_{11/2}$ – $56376°_{11/2}$	–0.010		0.004	1
3395.711	4	29440.464	29440.463	$25045_{1/2}$ – $54485°_{1/2}$	0.001		0.003	1
3398.9230	48	29412.643	29412.643	$18000_{7/2}$ – $47413°_{5/2}$	0.000		0.0003	1
3401.8847	86	29387.037	29387.039	$14967_{5/2}$ – $44354°_{5/2}$	–0.002	7.03e+6	0.0002	1w,7t
3402.205	4	29384.275	29384.268	$24991_{3/2}$ – $54375°_{5/2}$	0.007		0.003	1

TABLE 6. Observed lines of W II—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	σ_{calc} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	λ_{unc} (Å)[4]	Ref.[5]
3405.876	2	29352.597	29352.594	$23450_{5/2}$ – $52803°_{3/2}$	0.003		0.006	1
3406.081	8	29350.834	29350.833	$25672_{5/2}$ – $55022°_{7/2}$	0.001		0.002	1
3406.5795	17	29346.539	29346.539	$29341_{9/2}$ – $58687°_{9/2}$	0.000		0.0007	1
3406.83277	116	29344.357	29344.357	$10592_{3/2}$ – $39936°_{5/2}$	0.000		0.00012	1
3407.4452	18	29339.083	29339.083	$27273_{7/2}$ – $56612°_{7/2}$	0.000		0.0007	1
3408.210	5	29332.499	29332.498	$23234_{9/2}$ – $52567°_{9/2}$	0.001		0.002	1
3409.839	3	29318.491	29318.482	$41583_{9/2}$ – $70902°_{9/2}$	0.009		0.005	1
3410.160	8	29315.725	29315.824	$25169_{3/2}$ – $54485°_{1/2}$	–0.099		0.02	1
			29315.647	$30618_{5/2}$ – $59933°_{7/2}$	0.078			1
3412.7398	10	29293.567	29293.569	$18990_{3/2}$ – $48284°_{5/2}$	–0.002		0.0014	1
3415.402	3	29270.735	29270.755	$27273_{7/2}$ – $56544°_{5/2}$	–0.020		0.004	1
3416.62536	296	29260.254	29260.254	$8711_{3/2}$ – $37971°_{3/2}$	0.000		0.00012	1
3419.709	3	29233.866	29233.865	$26158_{9/2}$ – $55392°_{9/2}$	0.001		0.004	1
3421.1336	27	29221.697	29221.697	$24804_{7/2}$ – $54026°_{5/2}$	0.000		0.0005	1
3421.414	4	29219.300	29219.307	$30223_{3/2}$ – $59443°_{5/2}$	–0.007		0.003	1
3422.760	4	29207.813	29207.807	$15146_{7/2}$ – $44354°_{5/2}$	0.006	4.39e+5	0.003	1w,7t
3422.977	2	29205.959	29205.982	$25169_{3/2}$ – $54375°_{5/2}$	–0.023		0.007	1
3423.601	1	29200.639	29200.641	$35315_{7/2}$ – $64516°_{9/2}$	–0.002		0.014	1
3424.4509	20	29193.391	29193.392	$19637_{5/2}$ – $48830°_{7/2}$	–0.001		0.0006	1
3425.918	4	29180.886	29180.881	$32950_{3/2}$ – $62131°_{1/2}$	0.005		0.003	1
3426.205	7	29178.445	29178.440	$31100_{11/2}$ – $60278°_{9/2}$	0.005		0.002	1
3430.565	2	29141.363	29141.352	$20039_{7/2}$ – $49181°_{9/2}$	0.011		0.006	1
3430.736	4	29139.908	29139.896	$27273_{7/2}$ – $56413°_{9/2}$	0.012		0.003	1
3430.868	7	29138.792	29138.800	$8832_{1/2}$ – $37971°_{3/2}$	–0.008		0.002	1
3433.2317	13	29118.728	29118.729	$31100_{11/2}$ – $60219°_{11/2}$	–0.001		0.0009	1
3433.722	1	29114.570	29114.568	$22139_{5/2}$ – $51254°_{3/2}$	0.002		0.014	1
3435.6416	8	29098.304	29098.306	$28631_{7/2}$ – $57729°_{7/2}$	–0.002		0.0014	1
3440.5937	34	29056.423	29056.424	$17436_{11/2}$ – $46493°_{9/2}$	–0.001	1.71e+6	0.0004	1w,7t
3440.6477	23	29055.967	29055.966	$33910_{11/2}$ – $62966°_{11/2}$	0.001		0.0006	1
3442.4940	10	29040.384	29040.386	$23046_{7/2}$ – $52087°_{5/2}$	–0.002		0.0012	1
3443.166	4	29034.715	29034.718	$24991_{3/2}$ – $54026°_{5/2}$	–0.003		0.003	1
3449.86386	106	28978.348	28978.348	$13411_{7/2}$ – $42390°_{7/2}$	0.000	1.20e+6	0.00012	1w,7t
3451.172	3	28967.362	28967.348	$25169_{3/2}$ – $54137°_{3/2}$	0.014		0.004	1
3451.884	2	28961.390	28961.424	$26526_{1/2}$ – $55488°_{3/2}$	–0.034		0.006	1
3452.5006	81	28956.217	28956.217	$13434_{5/2}$ – $42390°_{7/2}$	0.000	8.32e+5	0.0002	1w,7t
3454.920	3	28935.942	28935.947	$31538_{5/2}$ – $60474°_{5/2}$	–0.005		0.005	1
3454.9732	12	28935.495	28935.493	$26226_{5/2}$ – $55162°_{5/2}$	0.002		0.0011	1
3455.020	5	28935.104	28935.113	$22502_{3/2}$ – $51438°_{5/2}$	–0.009		0.002	1
3460.3792	25	28890.292	28890.292	$19442_{13/2}$ – $48332°_{11/2}$	0.000		0.0005	1
3463.5128	54	28864.154	28864.153	$13434_{5/2}$ – $42298°_{3/2}$	0.001	5.93e+6	0.0002	1w,7t
3464.4398	11	28856.431	28856.432	$25169_{3/2}$ – $54026°_{5/2}$	–0.001		0.0011	1
3465.060	3	28851.263	28851.261	$22194_{7/2}$ – $51045°_{7/2}$	0.002		0.004	1
3468.231	3	28824.890	28824.873	$23450_{5/2}$ – $52275°_{7/2}$	0.017		0.004	1
3469.2679	9	28816.273	28816.275	$23046_{7/2}$ – $51862°_{7/2}$	–0.002		0.0014	1
3471.229	7	28799.996	28799.992	$26158_{9/2}$ – $54958°_{11/2}$	0.004		0.002	1
3471.708	3	28796.021	28796.035	$26226_{5/2}$ – $55022°_{7/2}$	–0.014		0.004	1

TABLE 6. Observed lines of W II—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	σ_{calc} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	λ_{unc} (Å)[4]	Ref.[5]
3472.313	4	28791.007	28791.019	$20039_{7/2}$ – $48830°_{7/2}$	–0.012		0.003	1
3475.2813	29	28766.413	28766.412	$30632_{9/2}$ – $59399°_{9/2}$	0.001		0.0005	1
3477.087	3	28751.471	28751.478	$22502_{3/2}$ – $51254°_{3/2}$	–0.007		0.004	1
3481.8812	10	28711.888	28711.897	$28377_{11/2}$ – $57089°_{9/2}$	–0.009		0.0012	1
3483.494	2	28698.597	28698.596	$20455_{3/2}$ – $49154°_{1/2}$	0.001		0.006	1
3486.1244	29	28676.942	28676.944	$16234_{5/2}$ – $44911°_{3/2}$	–0.002	3.83e+6	0.0005	1w,7t
3487.080	2	28669.083	28669.075	$22194_{7/2}$ – $50863°_{9/2}$	0.008		0.007	1
3489.432	2	28649.764	28649.766	$28118_{5/2}$ – $56768°_{7/2}$	–0.002		0.006	1
3489.787	6	28646.843	28646.843	$20534_{11/2}$ – $49181°_{9/2}$	0.000		0.002	1
3490.3171	16	28642.495	28642.494	$16234_{5/2}$ – $44877°_{7/2}$	0.001	1.35e+6	0.0007	1w,7t
3490.9208	26	28637.542	28637.539	$13411_{7/2}$ – $42049°_{5/2}$	0.003	3.92e+6	0.0006	1w,7t
3491.13096	125	28635.818	28635.818	$11301_{5/2}$ – $39936°_{5/2}$	0.000		0.00012	1
3492.0577	16	28628.219	28628.221	$23234_{9/2}$ – $51862°_{7/2}$	–0.002		0.0009	1
3502.184	3	28545.444	28545.451	$31446_{7/2}$ – $59992°_{5/2}$	–0.007		0.004	1
3503.6547	23	28533.463	28533.463	$24804_{7/2}$ – $53338°_{7/2}$	0.000		0.0006	1
3504.781	3	28524.296	28524.298	$30223_{3/2}$ – $58748°_{3/2}$	–0.002		0.004	1
3508.507	3	28494.006	28494.000	$28118_{5/2}$ – $56612°_{7/2}$	0.006		0.004	1
3508.6638	44	28492.729	28492.729	$18000_{7/2}$ – $46493°_{9/2}$	0.000	2.32e+6	0.0004	1w,7t
3509.3980	8	28486.768	28486.764	$31446_{7/2}$ – $59933°_{7/2}$	0.004		0.0015	1
3511.269	6	28471.590	28471.589	$23803_{7/2}$ – $52275°_{7/2}$	0.001		0.002	1
3512.066	6	28465.131	28465.126	$25672_{5/2}$ – $54137°_{3/2}$	0.005		0.002	1
3512.970	3	28457.806	28457.794	$28631_{7/2}$ – $57089°_{9/2}$	0.012		0.004	1
3514.104	5	28448.623	28448.622	$24991_{3/2}$ – $53440°_{1/2}$	0.001		0.002	1
3516.223	13	28431.475	28431.459	$24991_{3/2}$ – $53423°_{3/2}$	0.016		0.008	1
			28431.414	$35925_{5/2}$ – $64356°_{7/2}$	0.061			1
3521.538	2	28388.565	28388.568	$29341_{9/2}$ – $57729°_{7/2}$	–0.003		0.005	1
3522.096	6	28384.069	28384.063	$28490_{3/2}$ – $56874°_{5/2}$	0.006		0.002	1
3523.119	5	28375.824	28375.821	$32950_{7/2}$ – $61326°_{7/2}$	0.003		0.002	1
3525.7350	13	28354.774	28354.777	$18000_{7/2}$ – $46355°_{5/2}$	–0.003		0.0010	1
3526.7990	24	28346.220	28346.219	$34090_{9/2}$ – $62437°_{9/2}$	0.001		0.0005	1
3527.056	6	28344.153	28344.150	$20780_{9/2}$ – $49124°_{7/2}$	0.003		0.002	1
3528.600	4	28331.751	28331.750	$37312_{7/2}$ – $65643°_{7/2}$	0.001		0.003	1
3528.775	2	28330.345	28330.365	$31538_{5/2}$ – $59869°_{7/2}$	–0.020		0.006	1
3529.5501	19	28324.126	28324.122	$16553_{9/2}$ – $44877°_{7/2}$	0.004	2.26e+6	0.0009	1w,7t
3531.445	3	28308.925	28308.921	$24804_{7/2}$ – $53113°_{5/2}$	0.004		0.004	1
3534.493	6	28284.514	28284.524	$25045_{1/2}$ – $53329°_{3/2}$	–0.010		0.002	1
3536.2661	18	28270.335	28270.336	$25169_{3/2}$ – $53440°_{1/2}$	–0.001		0.0006	1
3538.553	4	28252.067	28252.065	$28187_{13/2}$ – $56439°_{13/2}$	0.002		0.003	1
3539.461	3	28244.817	28244.816	$20039_{7/2}$ – $48284°_{5/2}$	0.001		0.004	1
3544.4568	14	28205.009	28205.008	$16553_{9/2}$ – $44758°_{9/2}$	0.001	4.61e+5	0.0009	1w,7t
3546.470	4	28188.997	28189.012	$18990_{3/2}$ – $47179°_{3/2}$	–0.015	7.38e+5	0.004	1w,7t
3548.2606	9	28174.773	28174.768	$18000_{7/2}$ – $46175°_{7/2}$	0.005		0.0014	1
3549.05184	93	28168.492	28168.492	$16589_{7/2}$ – $44758°_{9/2}$	0.000	2.44e+6	0.00013	1w,7t
3550.139	2	28159.866	28159.885	$25169_{3/2}$ – $53329°_{3/2}$	–0.019		0.006	1
3551.068	3	28152.501	28152.493	$22139_{5/2}$ – $50292°_{5/2}$	0.008	1.82e+5	0.004	1w,7t
3551.516	7*p*	28148.949	28148.962	$26226_{5/2}$ – $54375°_{5/2}$	–0.013		0.008	1

TABLE 6. Observed lines of W II—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	σ_{calc} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	λ_{unc} (Å)[4]	Ref.[5]
3553.041	3	28136.869	28136.914	$28631_{7/2}$ – $56768°_{7/2}$	–0.045		0.011	1
			28136.839	$19276_{5/2}$ – $47413°_{5/2}$	0.030			1
3554.055	4	28128.839	28128.842	$25209_{9/2}$ – $53338°_{7/2}$	–0.003		0.004	1
3554.925	3	28121.952	28121.942	$24991_{3/2}$ – $53113°_{5/2}$	0.010		0.004	1
3555.1638	36	28120.067	28120.069	$16234_{5/2}$ – $44354°_{5/2}$	–0.002	3.11e+6	0.0004	1w,7t
3556.012	2	28113.362	28113.352	$30223_{3/2}$ – $58337°_{5/2}$	0.010		0.006	1
3557.017	2*p*	28105.413	28105.389	$32950_{7/2}$ – $61055°_{9/2}$	0.024		0.02	1
3557.9150	10	28098.323	28098.323	$22194_{7/2}$ – $50292°_{5/2}$	0.000	1.71e+6	0.0013	1w,7t
3559.5963	11	28085.052	28085.055	$30223_{3/2}$ – $58308°_{1/2}$	–0.003		0.0011	1
3561.442	4	28070.498	28070.501	$26158_{9/2}$ – $54229°_{11/2}$	–0.003	1.04e+6	0.003	1w,7t
3562.5127	12	28062.061	28062.058	$28377_{11/2}$ – $56439°_{13/2}$	0.003		0.0010	1
3564.005	3	28050.313	28050.343	$20780_{9/2}$ – $48830°_{7/2}$	–0.030		0.004	1
3565.821	4	28036.023	28036.064	$28377_{11/2}$ – $56413°_{9/2}$	–0.041		0.003	1
3570.536	3	27999.002	27998.984	$28377_{11/2}$ – $56376°_{11/2}$	0.018		0.005	1
3570.875	3	27996.348	27996.346	$41583_{9/2}$ – $69580°_{7/2}$	0.002		0.004	1
3571.986	4	27987.642	27987.646	$23450_{5/2}$ – $51438°_{5/2}$	–0.004		0.003	1
3572.47240	114	27983.829	27983.828	$10592_{3/2}$ – $38576°_{1/2}$	0.001	1.69e+7	0.00013	1w,7t
3572.8147	22	27981.148	27981.148	$28631_{7/2}$ – $56612°_{7/2}$	0.000		0.0006	1
3575.315	2	27961.584	27961.598	$35826_{9/2}$ – $63788°_{7/2}$	–0.014		0.006	1
3576.489	7	27952.406	27952.411	$31446_{7/2}$ – $59399°_{9/2}$	–0.005		0.002	1
3576.685	4	27950.874	27950.874	$35315_{7/2}$ – $63266°_{7/2}$	0.000		0.003	1
3581.881	5	27910.327	27910.328	$26226_{5/2}$ – $54137°_{3/2}$	–0.001		0.002	1
3582.603	5	27904.699	27904.703	$30632_{9/2}$ – $58537°_{7/2}$	–0.004		0.002	1
3582.756	4	27903.508	27903.510	$19276_{5/2}$ – $47179°_{3/2}$	–0.002	4.23e+5	0.003	1w,7t
3583.462	6	27898.014	27898.013	$26158_{9/2}$ – $54056°_{9/2}$	0.001		0.002	1
3584.666	4	27888.640	27888.637	$27273_{7/2}$ – $55162°_{5/2}$	0.003		0.003	1
3592.419	81*bl*	27828.452	27828.610	$20455_{3/2}$ – $48284°_{5/2}$	–0.158		0.02	1
			27828.436	$11301_{5/2}$ – $39129°_{3/2}$	0.016	7.24e+6		1w,7t
3596.1723	16	27799.412	27799.412	$26226_{5/2}$ – $54026°_{5/2}$	0.000		0.0008	1
3598.431	8	27781.960	27781.961	$28631_{7/2}$ – $56413°_{9/2}$	–0.001		0.002	1
3600.933	5	27762.661	27762.664	$24804_{7/2}$ – $52567°_{9/2}$	–0.003		0.003	1
3602.4520	15	27750.954	27750.951	$25672_{5/2}$ – $53423°_{3/2}$	0.003		0.0009	1
3602.687	2	27749.147	27749.179	$27273_{7/2}$ – $55022°_{7/2}$	–0.032		0.006	1
3606.600	2	27719.039	27719.051	$30618_{5/2}$ – $58337°_{5/2}$	–0.012		0.006	1
3608.256	2	27706.317	27706.314	$32950_{3/2}$ – $60656°_{5/2}$	0.003		0.010	1
3608.287	6	27706.079	27706.080	$32950_{7/2}$ – $60656°_{5/2}$	–0.001		0.002	1
3610.048	8	27692.563	27692.561	$25209_{9/2}$ – $52901°_{7/2}$	0.002		0.002	1
3611.8289	22	27678.910	27678.909	$33910_{11/2}$ – $61589°_{11/2}$	0.001		0.0007	1
3613.5176	19	27665.975	27665.976	$25672_{5/2}$ – $53338°_{7/2}$	–0.001		0.0007	1
3613.79023	133	27663.888	27663.887	$14634_{3/2}$ – $42298°_{3/2}$	0.001	1.15e+7	0.00013	1w,7t
3614.6035	9	27657.664	27657.663	$25672_{5/2}$ – $53329°_{3/2}$	0.001		0.0014	1
3617.653	15	27634.350	27634.362	$23803_{7/2}$ – $51438°_{5/2}$	–0.012		0.003	1
			27634.352	$18990_{3/2}$ – $46625°_{1/2}$	–0.002			1
3617.815	2	27633.111	27633.135	$25169_{3/2}$ – $52803°_{3/2}$	–0.024		0.006	1
3618.4414	12	27628.330	27628.328	$23234_{9/2}$ – $50863°_{9/2}$	0.002		0.0012	1

TABLE 6. Observed lines of W II—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	σ_{calc} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	λ_{unc} (Å)[4]	Ref.[5]
3620.777	3	27610.505	27610.515	$26526_{1/2}$ – $54137°_{3/2}$	–0.010		0.005	1
3622.831	2	27594.851	27594.874	$23450_{5/2}$ – $51045°_{7/2}$	–0.023		0.006	1
3623.023	2	27593.394	27593.406	$28490_{3/2}$ – $56084°_{3/2}$	–0.012		0.006	1
3624.242	6	27584.108	27584.107	$37312_{7/2}$ – $64896°_{7/2}$	0.001		0.002	1
3628.4135	72	27552.400	27552.400	$20780_{9/2}$ – $48332°_{11/2}$	0.000		0.0003	1
3628.9233	18	27548.529	27548.528	$25045_{1/2}$ – $52593°_{1/2}$	0.001		0.0008	1
3630.084	2	27539.721	27539.705	$23955_{11/2}$ – $51495°_{11/2}$	0.016		0.008	1
3630.9531	18	27533.129	27533.127	$14857_{9/2}$ – $42390°_{7/2}$	0.002		0.0008	1
3638.799	7	27473.766	27473.777	$32950_{7/2}$ – $60424°_{7/2}$	–0.011		0.002	1
3639.207	3	27470.684	27470.679	$24804_{7/2}$ – $52275°_{7/2}$	0.005		0.004	1
3640.655	2	27459.759	27459.782	$34090_{9/2}$ – $61550°_{7/2}$	–0.023		0.008	1
3641.4075	113	27454.084	27454.082	$8711_{3/2}$ – $36165°_{1/2}$	0.002	9.91e+6	0.0003	1w,7t
3645.416	5	27423.896	27423.889	$25169_{3/2}$ – $52593°_{1/2}$	0.007		0.002	1
3645.59582	134	27422.544	27422.542	$14967_{5/2}$ – $42390°_{7/2}$	0.002	1.46e+6	0.00013	1w,7t
3646.5801	39	27415.142	27415.142	$14634_{3/2}$ – $42049°_{5/2}$	0.000	2.10e+6	0.0004	1w,7t
3651.387	5	27379.051	27379.043	$10592_{3/2}$ – $37971°_{3/2}$	0.008		0.003	1
3652.116	7	27373.587	27373.588	$20039_{7/2}$ – $47413°_{5/2}$	–0.001		0.002	1
3653.332	7	27364.473	27364.475	$18990_{3/2}$ – $46355°_{5/2}$	–0.002		0.002	1
3654.197	17*bl*	27357.996	27358.043	$25209_{9/2}$ – $52567°_{9/2}$	–0.047		0.02	1
3654.7298	12	27354.011	27354.012	$30632_{9/2}$ – $57986°_{9/2}$	–0.001		0.0011	1
3656.452	4	27341.125	27341.123	$35925_{5/2}$ – $63266°_{7/2}$	0.002		0.003	1
3657.5890	65	27332.628	27332.628	$8832_{1/2}$ – $36165°_{1/2}$	0.000	6.02e+6	0.0003	1w,7t
3657.8769	36	27330.477	27330.478	$14967_{5/2}$ – $42298°_{3/2}$	–0.001	2.62e+6	0.0004	1w,7t
3659.124	4	27321.161	27321.163	$17436_{11/2}$ – $44758°_{9/2}$	–0.002	1.65e+5	0.003	1w,7t
3660.615	10*p*	27310.038	27310.012	$25045_{1/2}$ – $52355°_{1/2}$	0.026		0.011	1
3661.949	2	27300.087	27300.074	$26929_{11/2}$ – $54229°_{11/2}$	0.013		0.008	1
3666.974	3	27262.679	27262.686	$31446_{7/2}$ – $58709°_{7/2}$	–0.007		0.005	1
3669.282	2	27245.529	27245.505	$35315_{7/2}$ – $62561°_{7/2}$	0.024		0.007	1
3669.887	7	27241.035	27241.037	$31446_{7/2}$ – $58687°_{9/2}$	–0.002		0.002	1
3672.5496	24	27221.288	27221.290	$19403_{1/2}$ – $46625°_{1/2}$	–0.002		0.0005	1
3674.884	3	27204.000	27204.008	$37312_{7/2}$ – $64516°_{9/2}$	–0.008		0.004	1
3677.401	8	27185.374	27185.373	$25169_{3/2}$ – $52355°_{1/2}$	0.001		0.002	1
3678.1971	16	27179.494	27179.494	$26158_{9/2}$ – $53338°_{7/2}$	0.000		0.0009	1
3683.567	5	27139.873	27139.870	$35826_{9/2}$ – $62966°_{11/2}$	0.003		0.002	1
3686.375	2	27119.203	27119.191	$34447_{5/2}$ – $61566°_{5/2}$	0.012		0.007	1
3687.362	5	27111.942	27111.949	$30618_{5/2}$ – $57729°_{7/2}$	–0.007		0.003	1
3687.464	7	27111.190	27111.178	$26226_{5/2}$ – $53338°_{7/2}$	0.012		0.002	1
3688.3271	16	27104.847	27104.845	$19070_{9/2}$ – $46175°_{7/2}$	0.002		0.0008	1
3689.386	3	27097.068	27097.067	$30632_{9/2}$ – $57729°_{7/2}$	0.001		0.004	1
3689.597	8	27095.519	27095.519	$24991_{3/2}$ – $52087°_{5/2}$	0.000		0.002	1
3690.255	6*p*	27090.689	27090.702	$31446_{7/2}$ – $58537°_{7/2}$	–0.013		0.014	1
3691.474	3	27081.743	27081.733	$14967_{5/2}$ – $42049°_{5/2}$	0.010	1.60e+5	0.004	1w,7t
3691.8514	20	27078.973	27078.973	$19276_{5/2}$ – $46355°_{5/2}$	0.000		0.0007	1
3693.854	3	27064.293	27064.303	$35925_{5/2}$ – $62989°_{5/2}$	–0.010		0.005	1
3694.519	20*p*	27059.419	27059.404	$23803_{7/2}$ – $50863°_{9/2}$	0.015		0.005	1
3697.719	3	27036.003	27036.002	$41583_{9/2}$ – $68619°_{7/2}$	0.001		0.005	1

TABLE 6. Observed lines of W II—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	σ_{calc} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	λ_{unc} (Å)[4]	Ref.[5]
3697.836	3	27035.149	27035.143	$29341_{9/2}$ – $56376°_{11/2}$	0.006		0.004	1
3704.951	2	26983.236	26983.232	$32950_{7/2}$ – $59933°_{7/2}$	0.004		0.006	1
3705.313	4	26980.594	26980.581	$23450_{5/2}$ – $50430°_{3/2}$	0.013		0.003	1
3707.461	3	26964.967	26964.982	$34090_{9/2}$ – $61055°_{9/2}$	–0.015		0.004	1
3708.5040	31	26957.381	26957.382	$20455_{3/2}$ – $47413°_{5/2}$	–0.001		0.0006	1
3712.209	5	26930.478	26930.477	$22194_{7/2}$ – $49124°_{7/2}$	0.001		0.003	1
3715.848	7	26904.101	26904.096	$28118_{5/2}$ – $55022°_{7/2}$	0.005		0.002	1
3716.0694	48	26902.501	26902.501	$15146_{7/2}$ – $42049°_{5/2}$	0.000	3.02e+6	0.0003	1w,7t
3716.559	4	26898.957	26898.964	$19276_{5/2}$ – $46175°_{7/2}$	–0.007		0.003	1
3717.772	4	26890.180	26890.168	$31446_{7/2}$ – $58337°_{5/2}$	0.012		0.003	1
3721.0962	9	26866.160	26866.159	$32950_{3/2}$ – $59816°_{3/2}$	0.001		0.0014	1
3724.296	2	26843.077	26843.078	$22139_{5/2}$ – $48982°_{3/2}$	–0.001	5.70e+5	0.006	1w,7t
3733.300	2	26778.337	26778.334	$41583_{9/2}$ – $68362°_{7/2}$	0.003		0.007	1
3736.21222	141	26757.467	26757.468	$18000_{7/2}$ – $44758°_{9/2}$	–0.001	3.42e+6	0.00014	1w,7t
3741.716	18*p*	26718.111	26718.095	$19637_{5/2}$ – $46355°_{5/2}$	0.016		0.008	1
3742.534	5	26712.273	26712.246	$26929_{11/2}$ – $53641°_{13/2}$	0.027		0.004	1
3745.5390	27	26690.840	26690.840	$22139_{5/2}$ – $48830°_{7/2}$	0.000		0.0006	1
3750.748	4	26653.770	26653.766	$25209_{9/2}$ – $51862°_{7/2}$	0.004		0.005	1
3753.157	3	26636.665	26636.670	$22194_{7/2}$ – $48830°_{7/2}$	–0.005		0.005	1
3753.5195	10	26634.093	26634.093	$30618_{5/2}$ – $57252°_{5/2}$	0.000		0.0013	1
3753.610	7	26633.454	26633.452	$24804_{7/2}$ – $51438°_{5/2}$	0.002		0.002	1
3760.3450	13	26585.750	26585.749	$28118_{5/2}$ – $54704°_{5/2}$	0.001		0.0011	1
3768.146	3	26530.710	26530.702	$28631_{7/2}$ – $55162°_{5/2}$	0.008		0.005	1
3768.9714	20	26524.902	26524.903	$13411_{7/2}$ – $39936°_{5/2}$	–0.001		0.0007	1
3774.1295	14	26488.651	26488.652	$23803_{7/2}$ – $50292°_{5/2}$	–0.001	2.08e+6	0.0010	1w,7t
3775.364	2	26479.989	26479.988	$22502_{3/2}$ – $48982°_{3/2}$	0.001	3.48e+5	0.006	1w,7t
3777.340	7	26466.135	26466.137	$18990_{3/2}$ – $45457°_{1/2}$	–0.002		0.002	1
3778.702	11*w*	26456.601	26456.555	$30632_{9/2}$ – $57089°_{9/2}$	0.046		0.015	1
3779.166	3	26453.353	26453.360	$34447_{5/2}$ – $60901°_{5/2}$	–0.007		0.004	1
3780.149	4	26446.470	26446.473	$24991_{3/2}$ – $51438°_{5/2}$	–0.003		0.003	1
3782.696	8	26428.668	26428.639	$41583_{9/2}$ – $68012°_{11/2}$	0.029		0.002	1
3785.556	6	26408.699	26408.695	$26158_{9/2}$ – $52567°_{9/2}$	0.004		0.002	1
3789.707	5	26379.770	26379.772	$28118_{5/2}$ – $54498°_{7/2}$	–0.002		0.003	1
3791.372	4	26368.185	26368.178	$33910_{11/2}$ – $60278°_{9/2}$	0.007		0.003	1
3791.581	2	26366.737	26366.744	$25169_{3/2}$ – $51536°_{1/2}$	–0.007		0.006	1
3793.391	5	26354.154	26354.157	$18000_{7/2}$ – $44354°_{5/2}$	–0.003	2.55e+5	0.003	1w,7t
3796.385	3	26333.371	26333.370	$34090_{9/2}$ – $60424°_{7/2}$	0.001		0.004	1
3798.926	4*bl*	26315.760	26315.722	$20039_{7/2}$ – $46355°_{5/2}$	0.038		0.014	1
3803.254	2	26285.812	26285.821	$25209_{9/2}$ – $51495°_{11/2}$	–0.009		0.009	1
3803.6512	11	26283.067	26283.066	$31446_{7/2}$ – $57729°_{7/2}$	0.001		0.0013	1
3804.497	5	26277.223	26277.221	$19276_{5/2}$ – $45553°_{3/2}$	0.002	8.31e+5	0.003	1w,7t
3806.519	2	26263.269	26263.283	$41583_{9/2}$ – $67847°_{9/2}$	–0.014		0.007	1
3807.424	6	26257.023	26257.023	$28118_{5/2}$ – $54375°_{5/2}$	0.000		0.002	1
3810.609	3	26235.077	26235.064	$35315_{7/2}$ – $61550°_{7/2}$	0.013		0.004	1
3814.419	4	26208.871	26208.877	$34447_{5/2}$ – $60656°_{5/2}$	–0.006		0.003	1
3816.386	13*bl*	26195.367	26195.318	$23046_{7/2}$ – $49242°_{5/2}$	0.049	3.18e+5	0.02	1w,7t

TABLE 6. Observed lines of W II—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	σ_{calc} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	λ_{unc} (Å)[4]	Ref.[5]
3817.479	123*p*	26187.869	26187.859	$34090_{9/2}$ – $60278°_{9/2}$	0.010		0.03	1
3822.192	9	26155.573	26155.572	$16234_{5/2}$ – $42390°_{7/2}$	0.001		0.002	1
3823.056	9	26149.662	26149.661	$19403_{1/2}$ – $45553°_{3/2}$	0.001	1.31e+6	0.002	1w,7t
3827.880	5	26116.712	26116.710	$26158_{9/2}$ – $52275°_{7/2}$	0.002		0.003	1
3834.312	3	26072.898	26072.897	$28631_{7/2}$ – $54704°_{5/2}$	0.001		0.004	1
3835.694	3	26063.507	26063.508	$16234_{5/2}$ – $42298°_{3/2}$	–0.001		0.004	1
3837.2298	30	26053.076	26053.075	$19403_{1/2}$ – $45457°_{1/2}$	0.001		0.0004	1
3837.919	3	26048.398	26048.394	$26226_{5/2}$ – $52275°_{7/2}$	0.004		0.004	1
3838.421	6	26044.991	26044.993	$35315_{7/2}$ – $61360°_{9/2}$	–0.002		0.002	1
3843.479	3	26010.717	26010.696	$35315_{7/2}$ – $61326°_{7/2}$	0.021		0.004	1
3845.834	12	25994.792	25994.791	$30618_{5/2}$ – $56612°_{7/2}$	0.001		0.002	1
			25994.781	$28490_{3/2}$ – $54485°_{1/2}$	0.011			1
3851.111	7	25959.168	25959.165	$20534_{11/2}$ – $46493°_{9/2}$	0.003	2.08e+5	0.002	1w,7t
3851.5632	70	25956.123	25956.123	$13173_{1/2}$ – $39129°_{3/2}$	0.000	3.04e+6	0.0003	1w,7t
3851.841	4	25954.252	25954.241	$37312_{7/2}$ – $63266°_{7/2}$	0.011		0.003	1
3856.822	7	25920.731	25920.730	$18990_{3/2}$ – $44911°_{3/2}$	0.001	1.09e+6	0.002	1w,7t
3857.476	3	25916.339	25916.343	$19637_{5/2}$ – $45553°_{3/2}$	–0.004	1.55e+5	0.005	1w,7t
3858.797	2	25907.466	25907.473	$28118_{5/2}$ – $54026°_{5/2}$	–0.007		0.006	1
3859.9819	11	25899.514	25899.516	$20455_{3/2}$ – $46355°_{5/2}$	–0.002		0.0015	1
3865.7932	11	25860.581	25860.582	$30223_{3/2}$ – $56084°_{3/2}$	–0.001		0.0012	1
3868.446	3	25842.848	25842.825	$34090_{9/2}$ – $59933°_{7/2}$	0.023		0.005	1
3871.528	5	25822.278	25822.274	$32486_{3/2}$ – $58308°_{1/2}$	0.004		0.003	1
3872.6543	11	25814.765	25814.763	$16234_{5/2}$ – $42049°_{5/2}$	0.002	6.41e+5	0.0014	1w,7t
3873.870	3	25806.667	25806.659	$19070_{9/2}$ – $44877°_{7/2}$	0.008	2.48e+5	0.005	1w,7t
3875.198	3	25797.818	25797.816	$32950_{3/2}$ – $58748°_{3/2}$	0.002		0.005	1
3877.2784	17	25783.979	25783.977	$23046_{7/2}$ – $48830°_{7/2}$	0.002		0.0009	1
3879.992	3	25765.944	25765.965	$25672_{5/2}$ – $51438°_{5/2}$	–0.021		0.005	1
3883.274	2	25744.168	25744.171	$28631_{7/2}$ – $54375°_{5/2}$	–0.003		0.006	1
3883.351	3	25743.657	25743.642	$30632_{9/2}$ – $56376°_{11/2}$	0.015		0.005	1
3887.928	5	25713.356	25713.353	$31538_{5/2}$ – $57252°_{5/2}$	0.003		0.003	1
3889.280	2	25704.419	25704.418	$26158_{9/2}$ – $51862°_{7/2}$	0.001		0.008	1
3890.646	3	25695.391	25695.390	$13434_{5/2}$ – $39129°_{3/2}$	0.001		0.005	1
3891.834	4	25687.549	25687.545	$19070_{9/2}$ – $44758°_{9/2}$	0.004		0.003	1
3892.749	5	25681.512	25681.506	$29341_{9/2}$ – $55022°_{7/2}$	0.006		0.003	1
3893.873	2	25674.097	25674.090	$23450_{5/2}$ – $49124°_{7/2}$	0.007		0.008	1
3896.942	12	25653.880	25653.873	$25209_{9/2}$ – $50863°_{9/2}$	0.007		0.002	1
3898.665	3	25642.544	25642.554	$31446_{7/2}$ – $57089°_{9/2}$	–0.010		0.005	1
3899.777	6	25635.231	25635.228	$19276_{5/2}$ – $44911°_{3/2}$	0.003	1.34e+6	0.002	1w,7t
3900.871	8	25628.043	25628.041	$27273_{7/2}$ – $52901°_{7/2}$	0.002		0.002	1
3901.287	3	25625.310	25625.313	$35925_{5/2}$ – $61550°_{7/2}$	–0.003		0.004	1
3905.766	5	25595.920	25595.923	$23234_{9/2}$ – $48830°_{7/2}$	–0.003		0.003	1
3907.367	4	25585.437	25585.438	$35315_{7/2}$ – $60901°_{5/2}$	–0.001		0.004	1
3909.288	3	25572.865	25572.871	$10592_{3/2}$ – $36165°_{1/2}$	–0.006		0.006	1
3913.595	4	25544.722	25544.716	$34447_{5/2}$ – $59992°_{5/2}$	0.006		0.003	1
3915.023	4	25535.405	25535.389	$28490_{3/2}$ – $54026°_{5/2}$	0.016		0.004	1
3915.247	4	25533.939	25533.934	$35826_{9/2}$ – $61360°_{9/2}$	0.005		0.003	1

TABLE 6. Observed lines of W II—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	σ_{calc} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	λ_{unc} (Å)[4]	Ref.[5]
3915.465	9	25532.519	25532.521	$23450_{5/2}$ – $48982°_{3/2}$	–0.002	1.23e+6	0.002	1w,7t
3922.608	3	25486.026	25486.029	$34447_{5/2}$ – $59933°_{7/2}$	–0.003		0.006	1
3925.649	5	25466.283	25466.281	$30618_{5/2}$ – $56084°_{3/2}$	0.002		0.003	1
3928.348	2	25448.789	25448.786	$22139_{5/2}$ – $47588°_{3/2}$	0.003	5.71e+5	0.008	1w,7t
3931.550	4	25428.059	25428.055	$31446_{7/2}$ – $56874°_{5/2}$	0.004		0.004	1
3935.4325	39	25402.976	25402.976	$13173_{1/2}$ – $38576°_{1/2}$	0.000	3.09e+6	0.0005	1w,7t
3936.6630	16	25395.036	25395.037	$20780_{9/2}$ – $46175°_{7/2}$	–0.001		0.0009	1
3936.727	4	25394.620	25394.621	$28631_{7/2}$ – $54026°_{5/2}$	–0.001		0.003	1
3936.892	9	25393.560	25393.560	$31538_{5/2}$ – $56932°_{3/2}$	0.000		0.002	1
3938.101	6	25385.766	25385.761	$25045_{1/2}$ – $50430°_{3/2}$	0.005		0.003	1
3941.503	2	25363.850	25363.855	$18990_{3/2}$ – $44354°_{5/2}$	–0.005	3.20e+5	0.008	1w,7t
3942.325	10	25358.567	25358.573	$32950_{3/2}$ – $58308°_{1/2}$	–0.006		0.002	1
3945.311	2	25339.373	25339.357	$31100_{11/2}$ – $56439°_{13/2}$	0.016		0.007	1
3948.065	3	25321.698	25321.674	$31446_{7/2}$ – $56768°_{7/2}$	0.024		0.005	1
3950.126	8	25308.483	25308.472	$34090_{9/2}$ – $59399°_{9/2}$	0.011		0.002	1
3951.0595	91	25302.506	25302.506	$14634_{3/2}$ – $39936°_{5/2}$	0.000		0.0002	1
3955.461	4	25274.349	25274.350	$19637_{5/2}$ – $44911°_{3/2}$	–0.001	6.01e+5	0.003	1w,7t
3955.6081	14	25273.411	25273.409	$22139_{5/2}$ – $47413°_{5/2}$	0.002		0.0009	1
3957.1335	15	25263.669	25263.669	$28377_{11/2}$ – $53641°_{13/2}$	0.000		0.0009	1
3957.532	3	25261.125	25261.122	$25169_{3/2}$ – $50430°_{3/2}$	0.003		0.005	1
3959.452	3	25248.878	25248.872	$37312_{7/2}$ – $62561°_{7/2}$	0.006		0.004	1
3960.858	5	25239.912	25239.900	$19637_{5/2}$ – $44877°_{7/2}$	0.012	4.24e+5	0.003	1w,7t
3961.194	6	25237.775	25237.774	$23046_{7/2}$ – $48284°_{5/2}$	0.001		0.002	1
3962.541	3	25229.191	25229.205	$35826_{9/2}$ – $61055°_{9/2}$	–0.014		0.004	1
3964.106	7	25219.234	25219.239	$22194_{7/2}$ – $47413°_{5/2}$	–0.005		0.002	1
3965.411	3	25210.932	25210.926	$28118_{5/2}$ – $53329°_{3/2}$	0.006		0.005	1
3972.5061	10	25165.907	25165.908	$31446_{7/2}$ – $56612°_{7/2}$	–0.001		0.0014	1
3978.994	4	25124.873	25124.868	$37312_{7/2}$ – $62437°_{9/2}$	0.005		0.003	1
3979.372	2	25122.487	25122.477	$25169_{3/2}$ – $50292°_{5/2}$	0.010	4.08e+5	0.007	1w,7t
3979.850	4	25119.471	25119.469	$41583_{9/2}$ – $66703°_{11/2}$	0.002		0.003	1
3984.120	7	25092.547	25092.556	$31347_{13/2}$ – $56439°_{13/2}$	–0.009		0.002	1
3986.376	4	25078.348	25078.353	$19276_{5/2}$ – $44354°_{5/2}$	–0.005	3.13e+5	0.003	1w,7t
3987.0589	10	25074.053	25074.051	$31538_{5/2}$ – $56612°_{7/2}$	0.002		0.0013	1
3990.402	3	25053.048	25053.037	$22535_{1/2}$ – $47588°_{3/2}$	0.011	6.59e+5	0.006	1w,7t
3992.469	6	25040.076	25040.080	$22139_{5/2}$ – $47179°_{3/2}$	–0.004	7.93e+5	0.002	1w,7t
3993.041	2	25036.488	25036.479	$32950_{7/2}$ – $57986°_{9/2}$	0.009		0.007	1
3994.555	5	25026.999	25026.999	$23803_{7/2}$ – $48830°_{7/2}$	0.000		0.003	1
4000.082	4	24992.422	24992.426	$28377_{11/2}$ – $53370°_{9/2}$	–0.004		0.003	1
4001.8790	12	24981.199	24981.194	$33910_{11/2}$ – $58891°_{11/2}$	0.005		0.0014	1
4002.764	4	24975.675	24975.687	$35925_{5/2}$ – $60901°_{5/2}$	–0.012		0.003	1
4003.8185	21	24969.098	24969.097	$14967_{5/2}$ – $39936°_{5/2}$	0.001		0.0006	1
4004.776	5	24963.130	24963.141	$35315_{7/2}$ – $60278°_{9/2}$	–0.011		0.003	1
4006.997	3	24949.293	24949.293	$28490_{3/2}$ – $53440°_{1/2}$	0.000		0.004	1
4008.335	4	24940.965	24940.962	$35315_{7/2}$ – $60256°_{7/2}$	0.003		0.003	1
4008.751	999*m*	24938.378	24938.646	$30223_{3/2}$ – $55162°_{5/2}$	–0.268		0.02	1
4009.7559	9	24932.126	24932.130	$28490_{3/2}$ – $53423°_{3/2}$	–0.004		0.0013	1

TABLE 6. Observed lines of W II—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	σ_{calc} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	λ_{unc} (Å)[4]	Ref.[5]
4013.268	4	24910.309	24910.319	$22502_{3/2}$ – $47413°_{5/2}$	–0.010		0.003	1
4016.919	3	24887.670	24887.656	$29341_{9/2}$ – $54229°_{11/2}$	0.014	1.18e+5	0.005	1w,7t
4025.032	2	24837.503	24837.527	$20039_{7/2}$ – $44877°_{7/2}$	–0.024		0.007	1
4025.587	6	24834.082	24834.080	$23450_{5/2}$ – $48284°_{5/2}$	0.002		0.002	1
4028.948	3	24813.364	24813.357	$27273_{7/2}$ – $52087°_{5/2}$	0.007		0.005	1
4033.891	8	24782.961	24782.958	$28118_{5/2}$ – $52901°_{7/2}$	0.003		0.002	1
4037.709	5	24759.526	24759.519	$30632_{9/2}$ – $55392°_{9/2}$	0.007		0.003	1
4037.813	3	24758.887	24758.900	$25672_{5/2}$ – $50430°_{3/2}$	–0.013		0.004	1
4042.332	3	24731.208	24731.204	$35925_{5/2}$ – $60656°_{5/2}$	0.004		0.004	1
4044.423	3*p*	24718.422	24718.413	$20039_{7/2}$ – $44758°_{9/2}$	0.009	6.9e+4	0.008	1w,7t
4046.701	9*bl*	24704.508	24704.525	$26158_{9/2}$ – $50863°_{9/2}$	–0.017		0.02	1
4060.162	4	24622.606	24622.613	$28490_{3/2}$ – $53113°_{5/2}$	–0.007		0.003	1
4060.549	4	24620.261	24620.255	$25672_{5/2}$ – $50292°_{5/2}$	0.006	6.39e+5	0.003	1w,7t
4064.372	3	24597.101	24597.098	$34090_{9/2}$ – $58687°_{9/2}$	0.003		0.004	1
4072.918	2	24545.493	24545.541	$31538_{5/2}$ – $56084°_{3/2}$	–0.048		0.007	1
4081.2927	31	24495.125	24495.124	$14634_{3/2}$ – $39129°_{3/2}$	0.001	1.21e+6	0.0005	1w,7t
4088.480	3	24452.063	24452.082	$35826_{9/2}$ – $60278°_{9/2}$	–0.019		0.005	1
4089.372	7*p*	24446.732	24446.763	$34090_{9/2}$ – $58537°_{7/2}$	–0.031		0.02	1
4096.390	2	24404.851	24404.887	$30618_{5/2}$ – $55022°_{7/2}$	–0.036		0.008	1
4098.942	7	24389.658	24389.660	$18000_{7/2}$ – $42390°_{7/2}$	–0.002		0.002	1
4099.144	6	24388.455	24388.458	$32486_{3/2}$ – $56874°_{5/2}$	–0.003		0.002	1
4101.0010	26	24377.411	24377.409	$23955_{11/2}$ – $48332°_{11/2}$	0.002		0.0007	1
4102.829	9	24366.549	24366.546	$23046_{7/2}$ – $47413°_{5/2}$	0.003		0.002	1
4110.700	4	24319.894	24319.896	$24804_{7/2}$ – $49124°_{7/2}$	–0.002		0.004	1
4114.180	7	24299.323	24299.325	$22194_{7/2}$ – $46493°_{9/2}$	–0.002	3.58e+5	0.002	1w,7t
4120.516	7	24261.959	24261.957	$30223_{3/2}$ – $54485°_{1/2}$	0.002		0.004	1
			24261.951	$34447_{5/2}$ – $58709°_{7/2}$	0.008			1
4126.9894	13	24223.905	24223.904	$20534_{11/2}$ – $44758°_{9/2}$	0.001	2.83e+5	0.0010	1w,7t
4130.364	4	24204.116	24204.102	$26226_{5/2}$ – $50430°_{3/2}$	0.014		0.003	1
4137.167	6	24164.317	24164.311	$27273_{7/2}$ – $51438°_{5/2}$	0.006		0.002	1
4137.456	43*bl*	24162.628	24162.893	$24991_{3/2}$ – $49154°_{1/2}$	–0.265		0.03	1
4137.6117	19	24161.717	24161.715	$14967_{5/2}$ – $39129°_{3/2}$	0.002	9.07e+5	0.0009	1w,7t
4138.512	6	24156.463	24156.455	$28118_{5/2}$ – $52275°_{7/2}$	0.008		0.002	1
4139.256	2	24152.117	24152.115	$30223_{3/2}$ – $54375°_{5/2}$	0.002		0.006	1
4141.502	6	24139.019	24139.022	$32950_{7/2}$ – $57089°_{9/2}$	–0.003		0.002	1
4146.619	3	24109.236	24109.246	$25045_{1/2}$ – $49154°_{1/2}$	–0.010		0.006	1
4149.985	5	24089.677	24089.671	$22535_{1/2}$ – $46625°_{1/2}$	0.006		0.003	1
4150.528	2	24086.531	24086.540	$30618_{5/2}$ – $54704°_{5/2}$	–0.009		0.007	1
4153.889	6	24067.041	24067.043	$35925_{5/2}$ – $59992°_{5/2}$	–0.002		0.002	1
4157.0309	14	24048.850	24048.851	$18000_{7/2}$ – $42049°_{5/2}$	–0.001	5.78e+5	0.0010	1w,7t
4157.115	5	24048.362	24048.360	$37312_{7/2}$ – $61360°_{9/2}$	0.002		0.003	1
4168.166	2	23984.603	23984.607	$25169_{3/2}$ – $49154°_{1/2}$	–0.004		0.008	1
4168.7295	28	23981.364	23981.364	$22194_{7/2}$ – $46175°_{7/2}$	0.000		0.0007	1
4171.006	4	23968.278	23968.274	$28118_{5/2}$ – $52087°_{5/2}$	0.004		0.003	1
4175.5876	36	23941.977	23941.977	$14634_{3/2}$ – $38576°_{1/2}$	0.000	2.80e+6	0.0005	1w,7t
4178.591	2	23924.767	23924.757	$32950_{3/2}$ – $56874°_{5/2}$	0.010		0.007	1

TABLE 6. Observed lines of W II—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	σ_{calc} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	λ_{unc} (Å)[4]	Ref.[5]
4178.636	3	23924.513	23924.523	$32950_{7/2}$ – $56874°_{5/2}$	–0.010		0.006	1
4183.115	3	23898.897	23898.896	$20455_{3/2}$ – $44354°_{5/2}$	0.001	2.13e+5	0.006	1w,7t
4215.4711	31	23715.461	23715.462	$31446_{7/2}$ – $55162°_{5/2}$	–0.001		0.0005	1
4217.846	2	23702.106	23702.127	$16234_{5/2}$ – $39936°_{5/2}$	–0.021		0.008	1
4224.9286	22	23662.375	23662.376	$32950_{7/2}$ – $56612°_{7/2}$	–0.001		0.0007	1
4229.086	4	23639.112	23639.127	$34090_{9/2}$ – $57729°_{7/2}$	–0.015		0.003	1
4231.862	3	23623.606	23623.605	$31538_{5/2}$ – $55162°_{5/2}$	0.001		0.005	1
4241.002	2	23572.694	23572.695	$35826_{9/2}$ – $59399°_{9/2}$	–0.001		0.007	1
4243.223	3	23560.360	23560.368	$29341_{9/2}$ – $52901°_{7/2}$	–0.008		0.005	1
4250.912	2*bl*	23517.741	23517.715	$35925_{5/2}$ – $59443°_{5/2}$	0.026		0.03	1
4256.993	4	23484.148	23484.147	$31538_{5/2}$ – $55022°_{7/2}$	0.001		0.004	1
4262.205	3	23455.432	23455.422	$28631_{7/2}$ – $52087°_{5/2}$	0.010		0.004	1
4270.641	3	23409.101	23409.096	$34447_{5/2}$ – $57856°_{5/2}$	0.005		0.005	1
4277.351	2	23372.379	23372.380	$35315_{7/2}$ – $58687°_{9/2}$	–0.001		0.007	1
4281.173	3	23351.514	23351.518	$35925_{5/2}$ – $59276°_{7/2}$	–0.004		0.005	1
4281.958	3	23347.234	23347.239	$16589_{7/2}$ – $39936°_{5/2}$	–0.005		0.006	1
4283.800	15*p*	23337.192	23337.192	$14634_{3/2}$ – $37971°_{3/2}$	0.000		0.014	1
4287.006	6	23319.741	23319.737	$19070_{9/2}$ – $42390°_{7/2}$	0.004		0.002	1
4289.292	2	23307.315	23307.294	$18990_{3/2}$ – $42298°_{3/2}$	0.021	2.77e+5	0.010	1w,7t
4293.895	5	23282.330	23282.331	$34447_{5/2}$ – $57729°_{7/2}$	–0.001		0.004	1
4298.280	2	23258.576	23258.578	$23234_{9/2}$ – $46493°_{9/2}$	–0.002		0.007	1
4303.3245	10	23231.313	23231.311	$28631_{7/2}$ – $51862°_{7/2}$	0.002		0.0015	1
4309.258	2	23199.324	23199.306	$30223_{3/2}$ – $53423°_{3/2}$	0.018		0.008	1
4323.3846	43	23123.524	23123.525	$25209_{9/2}$ – $48332°_{11/2}$	–0.001		0.0006	1
4324.514	3	23117.484	23117.469	$28377_{11/2}$ – $51495°_{11/2}$	0.015		0.005	1
4325.194	5	23113.853	23113.856	$19276_{5/2}$ – $42390°_{7/2}$	–0.003		0.003	1
4335.568	8	23058.546	23058.549	$18990_{3/2}$ – $42049°_{5/2}$	–0.003	6.22e+5	0.002	1w,7t
4342.365	10	23022.451	23022.453	$26158_{9/2}$ – $49181°_{9/2}$	–0.002		0.002	1
4343.196	9	23018.049	23018.042	$22535_{1/2}$ – $45553°_{3/2}$	0.007	1.44e+6	0.002	1w,7t
4348.1130	109	22992.019	22992.019	$13173_{1/2}$ – $36165°_{1/2}$	0.000	5.06e+6	0.0002	1w,7t
4354.210	6	22959.826	22959.823	$31538_{5/2}$ – $54498°_{7/2}$	0.003		0.003	1
4357.153	4	22944.315	22944.329	$37312_{7/2}$ – $60256°_{7/2}$	–0.014		0.004	1
4360.079	3	22928.922	22928.931	$31446_{7/2}$ – $54375°_{5/2}$	–0.009		0.005	1
4361.505	6	22921.426	22921.456	$22535_{1/2}$ – $45457°_{1/2}$	–0.030		0.004	1
4393.7944	27	22752.980	22752.978	$19637_{5/2}$ – $42390°_{7/2}$	0.002	3.24e+5	0.0006	1w,7t
4396.867	3	22737.081	22737.084	$30632_{9/2}$ – $53370°_{9/2}$	–0.003		0.006	1
4400.169	4	22720.020	22720.030	$30618_{5/2}$ – $53338°_{7/2}$	–0.010		0.004	1
4406.058	4	22689.654	22689.654	$23803_{7/2}$ – $46493°_{9/2}$	0.000	2.44e+5	0.004	1w,7t
4409.613	2	22671.361	22671.354	$35315_{7/2}$ – $57986°_{9/2}$	0.007		0.008	1
4419.334	1	22621.489	22621.474	$37312_{7/2}$ – $59933°_{7/2}$	0.015		0.02	1
4421.841	5*bl*	22608.668	22608.658	$24804_{7/2}$ – $47413°_{5/2}$	0.010		0.010	1
4422.793	3	22603.798	22603.804	$26226_{5/2}$ – $48830°_{7/2}$	–0.006		0.005	1
4433.011	6	22551.699	22551.702	$23803_{7/2}$ – $46355°_{5/2}$	–0.003		0.003	1
4435.083	3	22541.165	22541.174	$35315_{7/2}$ – $57856°_{5/2}$	–0.009		0.005	1
4435.728	2*bl*	22537.887	22537.908	$32950_{3/2}$ – $55488°_{3/2}$	–0.021		0.03	1
4437.455	2	22529.116	22529.095	$33910_{11/2}$ – $56439°_{13/2}$	0.021		0.010	1

TABLE 6. Observed lines of W II—Continued.

λ_{obs} (Å)[1]	Int.[2]	σ_{obs} (cm^{-1})	σ_{calc} (cm^{-1})	Levels[3]	$\sigma_{obs} - \sigma_{calc}$ (cm^{-1})	A (s^{-1})	λ_{unc} (Å)[4]	Ref.[5]
4438.863	11	22521.971	22521.969	$34090_{9/2}$ – $56612°_{7/2}$	0.002		0.002	1
4438.943	3	22521.564	22521.573	$29341_{9/2}$ – $51862°_{7/2}$	–0.009		0.006	1
4449.918	6	22466.018	22466.021	$33910_{11/2}$ – $56376°_{11/2}$	–0.003		0.003	1
4460.607	2	22412.182	22412.169	$19637_{5/2}$ – $42049°_{5/2}$	0.013	1.10e+5	0.009	1w,7t
4468.6803	20	22371.693	22371.693	$23803_{7/2}$ – $46175°_{7/2}$	0.000		0.0010	1
4478.844	5	22320.928	22320.939	$34447_{5/2}$ – $56768°_{7/2}$	–0.011		0.003	1
4494.456	3	22243.392	22243.393	$25169_{3/2}$ – $47413°_{5/2}$	–0.001		0.005	1
4496.877	3	22231.420	22231.418	$28631_{7/2}$ – $50863°_{9/2}$	0.002		0.005	1
4500.215	3	22214.927	22214.923	$22139_{5/2}$ – $44354°_{5/2}$	0.004	2.57e+5	0.005	1w,7t
4508.4849	15	22174.181	22174.177	$26158_{9/2}$ – $48332°_{11/2}$	0.004		0.0014	1
4511.222	3	22160.726	22160.753	$22194_{7/2}$ – $44354°_{5/2}$	–0.027	2.53e+5	0.006	1w,7t
4532.311	2	22057.616	22057.601	$26226_{5/2}$ – $48284°_{5/2}$	0.015		0.009	1
4542.106	2	22010.049	22010.064	$25169_{3/2}$ – $47179°_{3/2}$	–0.015	2.49e+5	0.010	1w,7t
4544.350	5	21999.179	21999.176	$32486_{3/2}$ – $54485°_{1/2}$	0.003		0.003	1
4556.593	9	21940.070	21940.079	$28490_{3/2}$ – $50430°_{3/2}$	–0.009		0.002	1
4567.156	2	21889.327	21889.334	$32486_{3/2}$ – $54375°_{5/2}$	–0.007		0.009	1
4587.769	3	21790.982	21790.977	$31538_{5/2}$ – $53329°_{3/2}$	0.005		0.005	1
4604.5912	14	21711.372	21711.371	$23046_{7/2}$ – $44758°_{9/2}$	0.001	3.40e+5	0.0013	1w,7t
4616.091	1	21657.283	21657.246	$30618_{5/2}$ – $52275°_{7/2}$	0.037		0.02	1
4626.207	2	21609.927	21609.929	$20780_{9/2}$ – $42390°_{7/2}$	–0.002		0.008	1
4638.899	3	21550.806	21550.792	$24804_{7/2}$ – $46355°_{5/2}$	0.014		0.006	1
4643.157	5	21531.041	21531.020	$14634_{3/2}$ – $36165°_{1/2}$	0.021		0.004	1
4644.824	3	21523.316	21523.317	$23234_{9/2}$ – $44758°_{9/2}$	–0.001	8.4e+4	0.006	1w,7t
4658.259	6	21461.241	21461.241	$23450_{5/2}$ – $44911°_{3/2}$	0.000	1.15e+6	0.003	1w,7t
4665.748	7	21426.791	21426.791	$23450_{5/2}$ – $44877°_{7/2}$	0.000	4.80e+5	0.003	1w,7t
4679.501	3	21363.819	21363.813	$24991_{3/2}$ – $46355°_{5/2}$	0.006		0.006	1
4679.674	10*p*	21363.029	21363.009	$31538_{5/2}$ – $52901°_{7/2}$	0.020		0.02	1
4691.748	5	21308.055	21308.060	$23046_{7/2}$ – $44354°_{5/2}$	–0.005	3.12e+5	0.004	1w,7t
4697.015	1	21284.160	21284.123	$25209_{9/2}$ – $46493°_{9/2}$	0.037		0.02	1
4708.975	8	21230.105	21230.072	$30632_{9/2}$ – $51862°_{7/2}$	0.033		0.002	1
4712.483	4*bl*	21214.300	21214.320	$30223_{3/2}$ – $51438°_{5/2}$	–0.020		0.02	1
4718.884	5	21185.525	21185.527	$25169_{3/2}$ – $46355°_{5/2}$	–0.002		0.003	1
4768.258	5	20966.157	20966.162	$25209_{9/2}$ – $46175°_{7/2}$	–0.005		0.004	1
4782.354	2	20904.359	20904.366	$23450_{5/2}$ – $44354°_{5/2}$	–0.007	2.03e+5	0.010	1w,7t
4805.710	2	20802.767	20802.746	$23955_{11/2}$ – $44758°_{9/2}$	0.021		0.011	1
4809.542	4	20786.192	20786.192	$35826_{9/2}$ – $56612°_{7/2}$	0.000		0.004	1
4864.564	3	20551.088	20551.082	$23803_{7/2}$ – $44354°_{5/2}$	0.006	2.00e+5	0.006	1w,7t
4936.784	4	20250.448	20250.426	$22139_{5/2}$ – $42390°_{7/2}$	0.022	2.01e+5	0.005	1w,7t
5009.834	5	19955.174	19955.173	$28377_{11/2}$ – $48332°_{11/2}$	0.001		0.004	1
5010.256	3	19953.496	19953.483	$24804_{7/2}$ – $44758°_{9/2}$	0.013	2.00e+5	0.007	1w,7t
5131.787	4	19480.960	19480.954	$20455_{3/2}$ – $39936°_{5/2}$	0.006		0.005	1
5278.399	3	18939.867	18939.869	$23450_{5/2}$ – $42390°_{7/2}$	–0.002	1.08e+5	0.006	1w,7t
5707.592	2	17515.664	17515.640	$20455_{3/2}$ – $37971°_{3/2}$	0.024		0.013	1

[1] The observed wavelength is given in vacuum for wave numbers greater than 50000 cm^{-1}; the rest are in standard air. The observed vacuum wave number in the third column is cited as is from Table 1 of Ref. 1 and Table I of Ref. 5. Observed

wavelengths cited from Ref. 5 are given as they are in Table I therein. Observed air wavelengths for lines measured in Ref. 1 are converted from the observed wave numbers using the five-parameter formula of Peck and Reeder[11].

[2] Observed relative intensities of lines measured in Ref. 1 are cited from Table 1 therein. Intensities of lines measured in Ref. 5 were converted to the scale used in Ref. 1 (see text). The following codes are used to denote the line character:

bl – blended with another line,
p – perturbed by a close line,
w – wide line,
d – diffuse, hazy, etc.,
m – masked by another line (no wavelength measurement),
? – identification of this line is uncertain.

[3] The upper and lower levels are denoted by the integer part of energy and the *J* value given in the subscript. The odd-parity levels are denoted by the small "°" symbol.

[4] The given values of the observed-wavelength uncertainty of lines observed in Ref. 5 are derived from RMS deviations of observed wavelengths from the wavelengths of the same lines measured in Ref. 1. In addition to these given uncertainties, there is a systematic shift of +0.005 Å of the wavelengths measured in Ref. 5 relative to those measured in Ref. 1. This shift was not removed from the observed wavelengths given in the first column. Uncertainties of the wavelengths measured in Ref. 1 are derived from the signal-to-noise ratios and linewidths given in Table 1 of Ref. 1 (see text).

[5] The letters after the reference number denote the following:

w – observed wavelength was taken from this paper,
t – transition probability was taken from this paper,
n – new classification is given, based on the analysis done for this compilation.