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Description and Analysis of the Second Spectrum of Molybdenum, Mo II

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Wavelengths and estimated intensities are presented for 3,800 lines of Mo II in the spectral range from 6100 A in the red to 1550 A in the ultraviolet. For approximately 970 of these lines, Zeeman patterns have been measured. Analysis of these spectral data shows that about 70 percent of the lines can be accounted for as transitions between levels of the even terms in the electron configurations $4d^5$ and $4d^4\ 5s$, and levels of the odd terms in the configuration $4d^4\ 5p$. No series have been found from which an ionization potential can be derived.

1. Introduction

The description and analysis of the second spectrum of molybdenum presented in this paper are the results of investigations that for more than three decades have been in progress at the National Bureau of Standards. Work on the analysis of the molybdenum spectra was begun here shortly after similar work on the chromium spectra had been initiated, when it was realized that spectral structures like those of chromium should occur also in the spectra of its homologue molybdenum. A brief search through the spectroscopic data available at that time for molybdenum readily brought to light the expected structures. Subsequently these were published [1][1] in illustration of the operation of the spectroscopic displacement and alternation laws among the elements of the second long period of Mendeléeff's table.

This earlier phase of the work demonstrated the need for better descriptions of the molybdenum spectra than existed at that time. Many of the weaker lines, which are essential to the thorough analysis of a rich-lined spectrum, were missing from the published wavelength lists; and the intensities of the lines, estimated on a compressed scale, were inadequate for the finer discrimination of apparently related spectral regularities. Such Zeeman-effect observations as were available extended over only a limited range of wavelengths and, with a few exceptions, gave unresolved patterns for many of the lines. In view of these circumstances, it was decided to make a new description of the molybdenum spectra throughout the range accessible to photographic recording with the spectrographs at the Bureau.

2. Experimental Procedure

The spectrographic equipment of the Bureau has been described in detail in earlier papers [2]. The three concave gratings, of 21-ft radius of curvature, used in this work, were the ones ruled with 7,500, 20,000, and 30,000 lines/in. by J. A. Anderson, H. A. Rowland, and R. W. Wood, respectively. They were mounted according to the Wadsworth style, and recorded the spectra from 1975 A in the ultraviolet to 12000 A in the infrared. First-order spectra were obtained with each of the gratings, but, wherever possible, second- and, in a few cases, third-order spectra also were obtained with the Rowland and Wood gratings. The first-order dispersions of these gratings are 10, 3.5, and 2 A/mm, respectively. A set of spectrograms covering the region shortward of 3000 A was obtained with the quartz-prism spectrographs. Hilger's E 1 instrument was used for the range 2150 to 1975 A, with an average dispersion of 1 A/mm; the E 185 instrument was used for wavelengths from 3000 to 2100 A, with dispersion ranging from 1 A/mm to 0.3 A/mm.

The plates for recording the spectra were selected from the varieties offered in the Eastman Kodak Co. (EK) catalog. For the earlier observations, the EK 33 emulsions were used, sensitized in dye solutions, when necessary, for the longer wavelength regions beyond the reach of ordinary plates. For the later observations, the EK sensitizings appropriate to the various spectral regions were used. For the ultraviolet shorter than 2300 A, Schumann plates supplied by Hilger were used.

The electrodes for both the arc and spark exposures were cut from rods of very pure molybdenum metal about 5 mm in diameter. To the Research Laboratory of the General Electric Co., we are indebted for the electrode material used in the earlier observations; and to the Climax Molybdenum Co. for the material used in the later series of observations. The only impurities detected were traces of iron, and possibly silicon.

For the arc spectra, the exposures were made to arcs-in-air, and to arcs in an enclosed chamber, of the type described by Curtis [3], in which the pressure could be reduced or in which an atmosphere of inert gases could be maintained. The arcs were operated at 5 or 6 amp from 220-v d-c mains. For the spark spectra, the exposures were made to sparks-in-air, or in the enclosed chamber used in the work on chromium. The spark discharges were supplied by a battery of condensers of 0.006 μf capacitance that was charged up to 30,000 v from the secondary coil of a transformer of which the primary coil carried 110-v ac. In the case of the arc spectrum, the object of enclosing the arc was to reduce the intensity of the molybdenum oxide bands that black out a considerable portion of the spectrum when the arc is operated in air. In the case of the spark

[1] Figures in brackets indicate the literature references at the end of this paper.

spectrum, enclosure of the spark in an inert gas or in air at lowered pressure reduced the intensity and diffuseness of the atmospheric lines that are always present in spectrograms of a spark in air. In both cases, enclosure of the light source at reduced pressure sharpens the spectral lines, which enhances the accuracy of measurement of lines that are diffuse or asymmetrical. All exposures to the molybdenum sources were made in juxtaposition to exposures of the iron arc as the source of the standards for wavelength determinations. In the extreme ultraviolet, where the lines of iron are weak or insufficient in number, electrodes of copper-silver alloy were used for the comparison spectrum. The wavelengths of the standard copper lines were those published by Burns and Walters [4].

Measurements of the plates, on which this investigation is based, were made by the author in cooperation with C. L. Zimmerman [5]. In addition to the spectrograms made at the Bureau, there were available for measurement several spectrograms of the region shortward of 2000 A made with vacuum spectrographs, by A. G. Shenstone at Princeton, University, and J. C. Boyce at the Massachusetts Institute of Technology (MIT). The scale of the plates obtained with these spectrographs is practically the same, about 4.2 A/mm.

In addition to an accurate and homogeneous set of wavelengths and reliable estimates of intensities, an analysis of a complex spectrum requires also a knowledge of the patterns of the lines in magnetic fields. Two sets of observations of the Zeeman effect of molybdenum have been made for this investigation. One set of plates covering the spectral range from 2250 A to 7500 A was made with the water-cooled Weiss magnet of the Bureau. In a pole gap of 6 mm, a field of 35,000 oersteds was attained with a current of 180 amp in the coils under a potential of 90 v. The other set of Zeeman-effect plates was obtained with the Bitter magnet and the spectrographs of MIT. This equipment has been adequately described by G. R. Harrison [6,7] who kindly sent us the molybdenum plates for this investigation. These plates, taken with fields of 86,000 oersteds, cover the range from 2180 A to 8180 A. All the plates of both sets were measured by the author.

3. Results

3.1. Wavelengths and Intensities

The new wavelengths and estimated intensities for lines characteristic of Mo II are recorded in the first two columns of tables 1 and 2. The values adopted for the wavelengths of table 1 are the means of two or more measurements and, in general, are given to the nearest 0.01 A. In many cases, however, for which more than two highly accordant measurements were made, the third decimal place of the mean value has been retained. All the wavelengths in table 1 are their values in air. All the lines listed in table 2 were measured on the spectrograms made with the vacuum spectrographs; but the wavelengths assigned to them are the values calculated from combinations between the terms derived from the analysis of the lines in table 1.

The numbers and letters in the second column of the tables indicate the relative strengths and characteristics of the lines. There are no photometrically-determined intensities known for lines of Mo II, so that it is not possible to compare the visual estimates with measured values. However, there are available at the Bureau, some unpublished estimated intensities made by Meggers for lines emitted by molybdenum arcs relative to lines of calibrated intensity in the copper arc. The lines of Mo II included in his list show a good correlation with the estimated intensities reported in this work, if due allowance is made for differences in mode of excitation.

The letters following the intensities have the following meanings: d=double; e=enhanced at the electrode; h=hazy; H=very hazy; l=shaded longward; s=shaded shortward; w=wide; W=very wide. Lines designated w are probably unresolved pairs, and lack the appearance of diffuseness that is characteristic of those marked h. The letter Z means that a Zeeman pattern, measured on NBS or MIT spectrograms, is recorded for the line in table 3.

3.2. Zeeman Effects

The Zeeman patterns for about 970 lines of Mo II are given in table 3. A dagger (†) indicates that the pattern was measured only on NBS spectrograms; the letters A, B, C, and D indicate the type of shading displayed by unresolved patterns, thus: A=/|\; B=|\/|; C=∧; D=⊓. The only Zeeman patterns published heretofore for lines of molybdenum are those by Jack [8] and by Wilhelmy [9]. Of the 150 lines measured by Jack, in a field of approximately 25,000 oersteds, about one-third belong to Mo II. His fully resolved patterns are in good agreement with corresponding ones in table 3. Wilhelmy, using a higher field of approximately 35,000 oersteds, likewise got magnetic patterns for about 55 lines of Mo II and thereby established the identity of the low ^{6}D term of the ion. His results also are in very good agreement with those of table 3.

3.3. Term Structures of Mo II

The first multiplets of Mo II were announced in 1926, by Meggers and Kiess [1], as part of the evidence for the operation of the spectroscopic displacement law in the second long period of the periodic table. Although the unraveling of the spectrum has continued steadily since that time, no other results have been reported from the Bureau. In the meantime, additional terms and classified lines have been announced by Schauls and Sawyer [10] and by V. R. Rao [11]. Some erroneous designations of levels occur, in each of these earlier investigations, which, it is believed, the present analysis corrects.

Theoretically, the singly ionized atom of molybdenum is isoelectronic with the neutral atom of niobium and, therefore, in accordance with the displacement law, the spectra of the two atoms should be similar. Although the term structures of these spectra arise in electron configurations of the same type yet,

owing to differences in the relative i mportance o these configurations, the spectra Nb I and Mo II have the appearance of being strikingly dissimilar. In atoms with 41 external electrons, 36 are in closed shells. The 5 outermost electrons, which determine the optical properties of the atoms, may assume, on excitation, the various configurational groupings that govern the distribution of radiant energy in the spectrum. The low, even states of the atom are given by the configurations $4d^5$, $4d^4\,5s$, and $4d^3\,5s^2$, whereas the higher, excited, odd states arise in the configurations $4d^4\,5p$ and $4d^3\,5s\,5p$. In Nb I the group $4d^5$ is the least important of the low, even configurations, but in Mo II it is first in importance and $4d^3\,5s^2$ is least. Of the odd configurations, only $4d^4\,5p$ contributes to Mo II, whereas both share prominently in Nb I.

The even and odd terms of Mo II, and the electron configurations in which they arise, are recorded in tables 4 and 5. All but the two highest terms of the configuration $4d^5$ have been found. In the configuration $4d^4\,5s$, all the quartets except the high ^4P, and most of the doublets have been found. None of the terms of the configuration $4d^3\,5s^2$, which is so prominent in Nb I, have been located. The only odd terms that have been established belong to the configuration $4d^4\,5p$. Table 6 lists the terms that are theoretically possible for Mo II, those actually found being designated in bold-faced type. The g values assigned to each level are, in general, the means of several determinations.

The assignment of the various terms to the electron configurations to which they belong presents no difficulty for the lower members of a configurational group. In general, the intervals between the levels of the $4d^5$ terms are smaller than those of the $4d^4\,5s$ terms, and exhibit partial inversions. But in the higher members of a family of terms, these characteristics are not so evident, and reliance has been placed on theoretical calculations of the origin and energy of the expected terms. Such calculations have been made for this investigation by Goldgraber [12] for the low, even terms of the configurations $4d^5$ and $4d^4\,5s$, and by Trees [13] for the odd $4d^4\,5p$ terms.

3.4. Series and Ionization Potential

No series of two or more members have been found in Mo II, and therefore it is not yet possible to calculate an ionization potential for the singly ionized molybdenum atom from experimental data derived from the atom itself. But from similarities that exist in the term structure of neighboring atoms for which good spectral series have been worked out, it is possible to derive closely approximate values for series limits and ionization potentials for atoms for which these values are not directly available. This has been done by Catalán and Rico [14] for some of the neutral and singly ionized atoms of the second long period of elements. In a subsequent revision of this work they [15] give 130,300 cm^{-1} for the separation of the ground states of Mo II and Mo III, which corresponds to an ionization potential of 16.15 ev.

Over the long period during which this work has been in progress, it has been aided in various ways by several individuals. A. G. Shenstone and J. C. Boyce have sent their spectrograms of the extreme ultraviolet spectra of molybdenum, and G. R. Harrison has sent his spectrograms of the Zeeman patterns. C. L. Zimmerman measured and reduced most of the spectrograms of the ultraviolet region. In the reductions of many of the other spectrograms, Miss M. M. Harvey and W. Lyle took part. Finally, H. D. Goldgraber and R. E. Trees contributed greatly to the theoretical interpretation and configurational assignment of the energy states. To each of them it is a pleasure to express appreciation for contributions to this work.

4. References

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TABLE 1. *Wavelengths and term combinations of* Mo II

Wavelength λ_{air}	Intensity	Wave No.	Term combination	Wavelength λ_{air}	Intensity	Wave No.	Term combination
6083. 68	1	16432. 88	$c\ ^4D_{2\frac{1}{2}}$—$z\ ^6D^\circ_{3\frac{1}{2}}$	5835. 525	5	17131. 67	
5914. 066	8	16904. 17	$c\ ^4F_{4\frac{1}{2}}$—$z\ ^4G^\circ_{5\frac{1}{2}}$	5831. 593	2	17143. 22	$d\ ^2F_{3\frac{1}{2}}$—$z\ ^2G^\circ_{3\frac{1}{2}}$
5905. 348	20	16929. 12					
5885. 121	10	16987. 31		5827. 136	7	17156. 33	$b\ ^2G_{3\frac{1}{2}}$—$z\ ^6D^\circ_{3\frac{1}{2}}$
5871. 014	1	17028. 12	$c\ ^4D_{3\frac{1}{2}}$—$z\ ^6D^\circ_{2\frac{1}{2}}$				$c\ ^4D_{3\frac{1}{2}}$—$z\ ^6D^\circ_{4\frac{1}{2}}$
				5788. 455	3	17270. 98	$b\ ^4F_{2\frac{1}{2}}$—$z\ ^6F^\circ_{1\frac{1}{2}}$
5862. 68	1	17052. 33	$c\ ^4D_{1\frac{1}{2}}$—$z\ ^6D^\circ_{2\frac{1}{2}}$	5775. 674	3	17309. 20	$d\ ^2G_{3\frac{1}{2}}$—$z\ ^4G^\circ_{3\frac{1}{2}}$
5862. 22	1	17053. 67		5774. 314	2	17313. 27	$a\ ^2P_{1\frac{1}{2}}$—$z\ ^4F^\circ_{2\frac{1}{2}}$
5851. 76	3	17084. 15		5754. 46	2	17373. 01	$d\ ^2G_{4\frac{1}{2}}$—$z\ ^4I^\circ_{4\frac{1}{2}}$

TABLE 1. *Wavelengths and term combinations of* Mo II—Continued

Wavelength λ_{air}	Intensity	Wave No.	Term combination	Wavelength λ_{air}	Intensity	Wave No.	Term combination
5719. 93	7	17477. 88	$c\ ^4D_{0\frac{1}{2}}$—$z\ ^4F^\circ_{1\frac{1}{2}}$	4712. 86	5	21212. 60	$c\ ^4F_{4\frac{1}{2}}$—$y\ ^2H^\circ_{5\frac{1}{2}}$
5693. 56	1	17558. 83	$b\ ^2G_{3\frac{1}{2}}$—$z\ ^6D^\circ_{4\frac{1}{2}}$	4667. 40	15*Z*	21419. 23	$b\ ^4P_{0\frac{1}{2}}$—$z\ ^4P^\circ_{1\frac{1}{2}}$
5644. 956	2	17710. 01	$d\ ^2F_{3\frac{1}{2}}$—$y\ ^4D^\circ_{3\frac{1}{2}}$	4656. 32	8	21470. 17	
5601. 400	3	17847. 72	$c\ ^4D_{1\frac{1}{2}}$—$z\ ^4F^\circ_{1\frac{1}{2}}$	4653. 94	1*h*	21481. 18	$b\ ^4D_{0\frac{1}{2}}$—$z\ ^6F^\circ_{0\frac{1}{2}}$
5596. 98	1	17861. 82		4637. 95	8*Z*	21555. 22	$b\ ^4P_{2\frac{1}{2}}$—$z\ ^6D^\circ_{2\frac{1}{2}}$
5596. 723	4	17862. 64	$c\ ^4D_{2\frac{1}{2}}$—$z\ ^4F^\circ_{2\frac{1}{2}}$	4635. 89	5*w*	21564. 79	
5559. 88	1	17981. 01	$d\ ^2F_{3\frac{1}{2}}$—$z\ ^2G^\circ_{4\frac{1}{2}}$	4622. 80	12	21625. 85	$c\ ^2G_{4\frac{1}{2}}$—$z\ ^4I^\circ_{4\frac{1}{2}}$
5490. 785	8*Z*	18207. 27	$c\ ^4D_{1\frac{1}{2}}$—$z\ ^4F^\circ_{2\frac{1}{2}}$	4613. 08	3	21671. 44	$b\ ^4F_{4\frac{1}{2}}$—$z\ ^6D^\circ_{4\frac{1}{2}}$
5469. 04	1	18279. 67	$c\ ^4F_{4\frac{1}{2}}$—$x\ ^4D^\circ_{3\frac{1}{2}}$	4612. 59	1	21673. 74	$b\ ^4G_{2\frac{1}{2}}$—$z\ ^4F^\circ_{1\frac{1}{2}}$
5448. 797	15*Z*	18347. 57	$c\ ^4D_{2\frac{1}{2}}$—$z\ ^4F^\circ_{3\frac{1}{2}}$	4610. 56	7	21683. 26	$d\ ^2D_{2\frac{1}{2}}$—$y\ ^4F^\circ_{3\frac{1}{2}}$
5389. 72	1	18548. 68		4604. 20	10*w*, *Z*	21713. 24	$b\ ^4G_{3\frac{1}{2}}$—$z\ ^4F^\circ_{2\frac{1}{2}}$
5342. 098	4	18714. 03	$d\ ^2D_{2\frac{1}{2}}$—$z\ ^2G^\circ_{3\frac{1}{2}}$	4590. 96	5*h*	21775. 84	$b\ ^4D_{0\frac{1}{2}}$—$z\ ^6F^\circ_{1\frac{1}{2}}$
5334. 28	7	18741. 46	$c\ ^4F_{4\frac{1}{2}}$—$y\ ^4G^\circ_{4\frac{1}{2}}$	4580. 92	7	21823. 56	$d\ ^2G_{4\frac{1}{2}}$—$z\ ^2H^\circ_{4\frac{1}{2}}$
5318. 665	2	18796. 48		4578. 80	7	21833. 66	$\begin{cases} c\ ^2D_{2\frac{1}{2}}—z\ ^2P^\circ_{1\frac{1}{2}} \\ d\ ^2G_{4\frac{1}{2}}—y\ ^4H^\circ_{5\frac{1}{2}} \end{cases}$
5317. 62	1	18800. 18					
5291. 62	2	18892. 55	$c\ ^4F_{4\frac{1}{2}}$—$y\ ^4F^\circ_{3\frac{1}{2}}$	4575. 24	5	21850. 65	$d\ ^2D_{1\frac{1}{2}}$—$y\ ^4F^\circ_{2\frac{1}{2}}$
5290. 29	1	18897. 30	$c\ ^2D_{1\frac{1}{2}}$—$y\ ^4D^\circ_{1\frac{1}{2}}$	4566. 19	2	21893. 96	$d\ ^2F_{2\frac{1}{2}}$—$y\ ^2F^\circ_{3\frac{1}{2}}$
5268. 58	5	18975. 17	$d\ ^2F_{2\frac{1}{2}}$—$x\ ^4D^\circ_{2\frac{1}{2}}$	4565. 69	8*Z*	21896. 38	$d\ ^2G_{4\frac{1}{2}}$—$x\ ^4F^\circ_{2\frac{1}{2}}$
5265. 38	1	18986. 70	$b\ ^4P_{1\frac{1}{2}}$—$z\ ^6F^\circ_{2\frac{1}{2}}$	4559. 32	3	21926. 97	
5263. 02	2	18995. 21	$c\ ^4F_{4\frac{1}{2}}$—$y\ ^4G^\circ_{5\frac{1}{2}}$	4553. 501	10*Z*	21954. 99	$b\ ^4D_{1\frac{1}{2}}$—$z\ ^6F^\circ_{2\frac{1}{2}}$
5221. 678	2	19145. 60	$b\ ^4F_{2\frac{1}{2}}$—$z\ ^4P^\circ_{1\frac{1}{2}}$	4543. 40	8*Z*	22003. 80	$b\ ^4G_{4\frac{1}{2}}$—$z\ ^4F^\circ_{3\frac{1}{2}}$
5214. 805	4	19170. 84		4519. 599	15*Z*	22119. 67	$b\ ^4D_{2\frac{1}{2}}$—$z\ ^6F^\circ_{3\frac{1}{2}}$
5181. 543	40*Z*	19293. 90	$c\ ^4D_{3\frac{1}{2}}$—$z\ ^4F^\circ_{4\frac{1}{2}}$	4508. 696	5	22173. 16	$c\ ^2G_{4\frac{1}{2}}$—$z\ ^4G^\circ_{4\frac{1}{2}}$
5113. 41	5	19550. 97	$d\ ^2F_{2\frac{1}{2}}$—$y\ ^4G^\circ_{3\frac{1}{2}}$	4503. 56	4	22198. 45	$\begin{cases} b\ ^4G_{3\frac{1}{2}}—z\ ^4F^\circ_{3\frac{1}{2}} \\ b\ ^2F_{3\frac{1}{2}}—z\ ^6P^\circ_{2\frac{1}{2}} \end{cases}$
5108. 13	6	19571. 18	$\begin{cases} c\ ^4F_{4\frac{1}{2}}—y\ ^4F^\circ_{4\frac{1}{2}} \\ d\ ^2D_{2\frac{1}{2}}—z\ ^2D^\circ_{2\frac{1}{2}} \end{cases}$	4500. 47	8	22213. 69	$\begin{cases} c\ ^2D_{1\frac{1}{2}}—y\ ^4P^\circ_{1\frac{1}{2}} \\ a\ ^4F_{2\frac{1}{2}}—z\ ^6F^\circ_{1\frac{1}{2}} \end{cases}$
5105. 58	7	19580. 96	$b\ ^4P_{1\frac{1}{2}}$—$z\ ^4P^\circ_{0\frac{1}{2}}$				
5103. 57	1	19588. 67	$b\ ^2G_{4\frac{1}{2}}$—$z\ ^4F^\circ_{4\frac{1}{2}}$	4498. 12	4*s*	22225. 30	$d\ ^2G_{3\frac{1}{2}}$—$z\ ^2F^\circ_{2\frac{1}{2}}$
5082. 63	3	19669. 37		4493. 49	10	22248. 20	$c\ ^2G_{3\frac{1}{2}}$—$z\ ^4I^\circ_{4\frac{1}{2}}$
5039. 35	12	19838. 30	$\begin{cases} c\ ^2G_{4\frac{1}{2}}—z\ ^4H^\circ_{3\frac{1}{2}} \\ b\ ^4P_{2\frac{1}{2}}—z\ ^4P^\circ_{2\frac{1}{2}} \end{cases}$	4489. 30	5	22268. 96	$d\ ^2F_{3\frac{1}{2}}$—$y\ ^2F^\circ_{3\frac{1}{2}}$
5030. 53	3	19873. 09	$b\ ^2S_{0\frac{1}{2}}$—$z\ ^2P^\circ_{1\frac{1}{2}}$	4482. 58	2	22302. 34	
				4463. 85	8	22395. 92	$a\ ^2F_{2\frac{1}{2}}$—$z\ ^6F^\circ_{3\frac{1}{2}}$
5029. 89	4	19875. 61		4452. 76	8	22451. 68	$\begin{cases} b\ ^2G_{4\frac{1}{2}}—z\ ^4D^\circ_{3\frac{1}{2}} \\ b\ ^4G_{5\frac{1}{2}}—z\ ^4F^\circ_{4\frac{1}{2}} \end{cases}$
4970. 25	10	20114. 10	$c\ ^4F_{4\frac{1}{2}}$—$x\ ^4F^\circ_{4\frac{1}{2}}$				
4954. 15	7	20179. 46		4452. 02	20*Z*	22455. 41	$\begin{cases} d\ ^2D_{2\frac{1}{2}}—z\ ^2F^\circ_{3\frac{1}{2}} \\ a\ ^2G_{3\frac{1}{2}}—z\ ^4P^\circ_{2\frac{1}{2}} \end{cases}$
4943. 62	2	20222. 46	$\begin{cases} b\ ^2S_{0\frac{1}{2}}—z\ ^2P^\circ_{0\frac{1}{2}} \\ c\ ^2D_{2\frac{1}{2}}—z\ ^2G^\circ_{3\frac{1}{2}} \end{cases}$	4445. 33	2	22489. 20	$b\ ^4F_{1\frac{1}{2}}$—$z\ ^4F^\circ_{1\frac{1}{2}}$
4927. 43	2	20288. 89		4439. 50	3	22518. 74	
				4433. 49	100*Z*	22549. 26	$b\ ^4D_{1\frac{1}{2}}$—$z\ ^4P^\circ_{0\frac{1}{2}}$
4921. 66	2	20312. 68					
4921. 24	2	20314. 41	$b\ ^4G_{5\frac{1}{2}}$—$z\ ^6D^\circ_{4\frac{1}{2}}$	4430. 50	2	22564. 50	$b\ ^4P_{1\frac{1}{2}}$—$z\ ^6D^\circ_{1\frac{1}{2}}$
4919. 27	2	20322. 55	$d\ ^2G_{3\frac{1}{2}}$—$x\ ^4D^\circ_{3\frac{1}{2}}$	4417. 83	1	22629. 21	$b\ ^4G_{4\frac{1}{2}}$—$z\ ^6F^\circ_{4\frac{1}{2}}$
4918. 60	4	20325. 31	$d\ ^2D_{2\frac{1}{2}}$—$z\ ^2P^\circ_{1\frac{1}{2}}$	4412. 22	2	22657. 96	$b\ ^4D_{3\frac{1}{2}}$—$z\ ^6F^\circ_{4\frac{1}{2}}$
4909. 80	6	20361. 74		4407. 377	10*Z*	22682. 86	$d\ ^2G_{3\frac{1}{2}}$—$y\ ^2G^\circ_{3\frac{1}{2}}$
				4404. 188	5	22699. 28	$b\ ^2F_{2\frac{1}{2}}$—$z\ ^6D^\circ_{2\frac{1}{2}}$
4903. 55	5	20387. 69					
4901. 79	7	20395. 02	$b\ ^4P_{1\frac{1}{2}}$—$z\ ^4P^\circ_{1\frac{1}{2}}$	4403. 287	8*Z*	22703. 93	$c\ ^2G_{3\frac{1}{2}}$—$z\ ^2G^\circ_{3\frac{1}{2}}$
4878. 62	2	20491. 88	$\begin{cases} b\ ^4F_{3\frac{1}{2}}—z\ ^6P^\circ_{3\frac{1}{2}} \\ b\ ^4G_{4\frac{1}{2}}—z\ ^6D^\circ_{4\frac{1}{2}} \end{cases}$	4390. 912	5	22767. 92	$d\ ^2G_{4\frac{1}{2}}$—$z\ ^2H^\circ_{5\frac{1}{2}}$
				4388. 265	8*Z*	22781. 65	$d\ ^2D_{2\frac{1}{2}}$—$x\ ^4F^\circ_{3\frac{1}{2}}$
4856. 14	5	20586. 74	$b\ ^4P_{2\frac{1}{2}}$—$z\ ^6P^\circ_{2\frac{1}{2}}$	4385. 578	8	22795. 61	$c\ ^2G_{3\frac{1}{2}}$—$z\ ^4G^\circ_{4\frac{1}{2}}$
4853. 63	50*Z*	20597. 38	$c\ ^2D_{1\frac{1}{2}}$—$z\ ^2D^\circ_{1\frac{1}{2}}$	4377. 752	100*Z*	22836. 36	$b\ ^4D_{0\frac{1}{2}}$—$z\ ^4P^\circ_{0\frac{1}{2}}$
4841. 96	5	20647. 02	$d\ ^2G_{4\frac{1}{2}}$—$y\ ^4G^\circ_{4\frac{1}{2}}$	4374. 66	1	22852. 50	$\begin{cases} c\ ^2D_{1\frac{1}{2}}—z\ ^2P^\circ_{0\frac{1}{2}} \\ d\ ^2D_{1\frac{1}{2}}—z\ ^2F^\circ_{2\frac{1}{2}} \end{cases}$
4754. 34	7*w*	21027. 53	$d\ ^2F_{2\frac{1}{2}}$—$z\ ^2F^\circ_{2\frac{1}{2}}$				
4748. 71	3	21052. 46	$d\ ^2D_{1\frac{1}{2}}$—$(1)^3_{2\frac{1}{2}}$	4374. 099	5	22855. 42	$b\ ^4F_{2\frac{1}{2}}$—$z\ ^4F^\circ_{2\frac{1}{2}}$
4744. 64	4	21070. 52	$\begin{cases} c\ ^4F_{4\frac{1}{2}}—y\ ^2H^\circ_{4\frac{1}{2}} \\ d\ ^2D_{2\frac{1}{2}}—x\ ^4D^\circ_{3\frac{1}{2}} \end{cases}$	4363. 638	100*Z*	22910. 22	$b\ ^4D_{2\frac{1}{2}}$—$z\ ^4P^\circ_{1\frac{1}{2}}$
				4361. 914	30*Z*	22919. 27	$c\ ^2G_{4\frac{1}{2}}$—$z\ ^2G^\circ_{4\frac{1}{2}}$
4742. 61	50*Z*	21079. 54	$c\ ^2D_{2\frac{1}{2}}$—$z\ ^2D^\circ_{2\frac{1}{2}}$	4358. 272	50*Z*	22938. 43	$c\ ^2F_{3\frac{1}{2}}$—$z\ ^4I^\circ_{4\frac{1}{2}}$
4722. 38	3	21169. 84	$b\ ^4P_{2\frac{1}{2}}$—$z\ ^6D^\circ_{1\frac{1}{2}}$	4356. 100	10*Z*	22949. 86	$b\ ^4P_{1\frac{1}{2}}$—$z\ ^6D^\circ_{2\frac{1}{2}}$
4721. 61	3*s*	21173. 29	$d\ ^2D_{2\frac{1}{2}}$—$(1)^3_{2\frac{1}{2}}$	4355. 26	4	22954. 29	$d\ ^2G_{4\frac{1}{2}}$—$y\ ^2F^\circ_{3\frac{1}{2}}$
4721. 09	3	21175. 62	$d\ ^2F_{3\frac{1}{2}}$—$x\ ^4F^\circ_{2\frac{1}{2}}$	4328. 009	20*Z*	23098. 82	$c\ ^2D_{1\frac{1}{2}}$—$x\ ^4D^\circ_{2\frac{1}{2}}$
4717. 01	2	21193. 94	$b\ ^4D_{1\frac{1}{2}}$—$z\ ^6F^\circ_{0\frac{1}{2}}$	4325. 27	2	23113. 44	$d\ ^2G_{3\frac{1}{2}}$—$y\ ^2H^\circ_{4\frac{1}{2}}$
4715. 86	2	21199. 11		4315. 230	10*Z*	23167. 22	$b\ ^2F_{3\frac{1}{2}}$—$z\ ^6D^\circ_{2\frac{1}{2}}$

TABLE 1. *Wavelengths and term combinations of* Mo II—Continued

Wavelength λ_{air}	Intensity	Wave No.	Term combination
4312. 46	3	23182. 10	$c\ ^2D_{1\frac{1}{2}}$—$y\ ^4P^\circ_{2\frac{1}{2}}$
4312. 38	1	23182. 53	$b\ ^4F_{4\frac{1}{2}}$—$z\ ^4F^\circ_{3\frac{1}{2}}$
4311. 649	40*Z*	23186. 46	$a\ ^2F_{2\frac{1}{2}}$—$z\ ^4P^\circ_{1\frac{1}{2}}$
4311. 041	40*Z*	23189. 73	$c\ ^2F_{2\frac{1}{2}}$—$z\ ^4G^\circ_{3\frac{1}{2}}$
4310. 63	2	23191. 94	$c\ ^2D_{2\frac{1}{2}}$—$y\ ^4F^\circ_{3\frac{1}{2}}$
4303. 87	4	23228. 37	$b\ ^4F_{3\frac{1}{2}}$—$z\ ^4F^\circ_{3\frac{1}{2}}$
4291. 53	2*l*	23295. 16	$b\ ^2F_{3\frac{1}{2}}$—$z\ ^6D^\circ_{4\frac{1}{2}}$
4283. 28	4	23340. 05	$b\ ^4F_{2\frac{1}{2}}$—$z\ ^4F^\circ_{3\frac{1}{2}}$
4281. 22	10	23351. 26	$c\ ^2D_{1\frac{1}{2}}$— (1)$^\circ_{2\frac{1}{2}}$
4280. 57	2	23354. 80	$b\ ^2I_{5\frac{1}{2}}$—$z\ ^4H^\circ_{5\frac{1}{2}}$
4279. 02	50*Z*	23363. 26	$b\ ^4D_{1\frac{1}{2}}$—$z\ ^4P^\circ_{1\frac{1}{2}}$
4274. 441	20*Z*	23388. 29	$d\ ^2G_{4\frac{1}{2}}$—$y\ ^2G^\circ_{4\frac{1}{2}}$
4267. 83	1	23424. 52	$c\ ^4D_{0\frac{1}{2}}$—$y\ ^4D^\circ_{0\frac{1}{2}}$
4266. 67	5	23430. 89	$d\ ^2D_{2\frac{1}{2}}$—$y\ ^2G^\circ_{3\frac{1}{2}}$
4256. 67	10	23485. 93	$c\ ^2F_{3\frac{1}{2}}$—$z\ ^4G^\circ_{4\frac{1}{2}}$
4253. 38	4	23504. 10	
4250. 687	30*Z*	23519. 01	$b\ ^4D_{3\frac{1}{2}}$—$z\ ^4P^\circ_{2\frac{1}{2}}$
4248. 57	2	23530. 71	
4246. 58	10*Z*	23541. 73	$c\ ^2G_{3\frac{1}{2}}$—$z\ ^2G^\circ_{4\frac{1}{2}}$
4244. 725	50*Z*	23552. 02	$c\ ^2F_{2\frac{1}{2}}$—$z\ ^2D^\circ_{1\frac{1}{2}}$
4243. 099	10	23561. 05	$c\ ^2G_{3\frac{1}{2}}$—$z\ ^2D^\circ_{2\frac{1}{2}}$
4238. 15	3	23588. 56	$b\ ^4P_{0\frac{1}{2}}$—$z\ ^6D^\circ_{1\frac{1}{2}}$
4227. 073	12*Z*	23650. 37	$b\ ^4D_{0\frac{1}{2}}$—$z\ ^4P^\circ_{1\frac{1}{2}}$
4209. 648	60*Z*	23748. 27	$b\ ^4D_{2\frac{1}{2}}$—$z\ ^4P^\circ_{2\frac{1}{2}}$
4198. 935	10	23808. 85	$b\ ^4F_{4\frac{1}{2}}$—$z\ ^4F^\circ_{4\frac{1}{2}}$
4192. 272	12*Z*	23846. 69	$c\ ^2F_{2\frac{1}{2}}$—$z\ ^2G^\circ_{3\frac{1}{2}}$
4191. 03	5*Z*	23853. 78	$b\ ^2F_{2\frac{1}{2}}$—$z\ ^4F^\circ_{2\frac{1}{2}}$ $b\ ^4F_{3\frac{1}{2}}$—$z\ ^4F^\circ_{4\frac{1}{2}}$
4177. 939	5	23928. 50	$b\ ^4D_{2\frac{1}{2}}$—$z\ ^6P^\circ_{1\frac{1}{2}}$
4172. 280	4*l*	23960. 96	$c\ ^2F_{3\frac{1}{2}}$—$y\ ^4D^\circ_{3\frac{1}{2}}$
4171. 790	10*Z*	23963. 77	$c\ ^2D_{2\frac{1}{2}}$—$z\ ^2F^\circ_{3\frac{1}{2}}$
4171. 19	3	23967. 22	$c\ ^4F_{4\frac{1}{2}}$—$w^4F^\circ_{3\frac{1}{2}}$
4161. 247	7*Z*	24024. 48	$a\ ^2F_{2\frac{1}{2}}$—$z\ ^4P^\circ_{2\frac{1}{2}}$ $d\ ^2F_{2\frac{1}{2}}$—$x\ ^2F^\circ_{3\frac{1}{2}}$
4161. 02	3*s*	24025. 80	
4154. 272	3	24064. 82	
4152. 22	1	24076. 71	
4150. 82	5*l*, *Z*	24084. 83	$d\ ^2G_{4\frac{1}{2}}$—$x\ ^4G^\circ_{4\frac{1}{2}}$
4150. 627	2	24085. 95	$b\ ^2I_{5\frac{1}{2}}$—$z\ ^4H^\circ_{6\frac{1}{2}}$
4147. 37	1	24104. 87	$b\ ^4P_{1\frac{1}{2}}$—$z\ ^4F^\circ_{2\frac{1}{2}}$
4146. 874	8*Z*	24107. 75	$a\ ^2P_{1\frac{1}{2}}$—$z\ ^2S^\circ_{0\frac{1}{2}}$
4141. 454	10*Z*	24139. 30	$b\ ^4D_{3\frac{1}{2}}$—$z\ ^6P^\circ_{3\frac{1}{2}}$
4139. 780	8*Z*	24149. 06	$c\ ^2D_{1\frac{1}{2}}$—$y\ ^4F^\circ_{2\frac{1}{2}}$
4138. 733	2	24155. 17	
4136. 761	3	24166. 68	$a\ ^4F_{4\frac{1}{2}}$—$z\ ^6F^\circ_{4\frac{1}{2}}$
4136. 49	2*s*	24168. 27	
4130. 85	3	24201. 26	$b\ ^4D_{1\frac{1}{2}}$—$z\ ^4P^\circ_{2\frac{1}{2}}$
4130. 28	2	24204. 61	$a\ ^2F_{2\frac{1}{2}}$—$z\ ^6P^\circ_{1\frac{1}{2}}$
4127. 296	2	24222. 10	$d\ ^2G_{3\frac{1}{2}}$—$x\ ^4G^\circ_{4\frac{1}{2}}$
4126. 31	2*s*	24227. 89	
4125. 628	15*Z*	24231. 90	$c\ ^2F_{3\frac{1}{2}}$—$z\ ^2G^\circ_{4\frac{1}{2}}$
4123. 26	1	24245. 81	$c\ ^4D_{0\frac{1}{2}}$—$y\ ^4D^\circ_{1\frac{1}{2}}$
4122. 350	50*Z*	24251. 19	$c\ ^2F_{3\frac{1}{2}}$—$z\ ^2D^\circ_{2\frac{1}{2}}$
4119. 634	40*Z*	24267. 18	$b\ ^4D_{3\frac{1}{2}}$—$z\ ^6P^\circ_{3\frac{1}{2}}$
4118. 53	5*Z*	24273. 68	$b\ ^2I_{5\frac{1}{2}}$—$z\ ^4J^\circ$
4117. 58	3	24279. 28	
4115. 76	2*Z*	24290. 02	$c\ ^2D_{2\frac{1}{2}}$—$x\ ^4F^\circ_{3\frac{1}{2}}$
4108. 657	2	24332. 01	
4106. 60	1	24344. 20	$a\ ^2D_{1\frac{1}{2}}$—$z\ ^4P^\circ_{0\frac{1}{2}}$
4105. 44	3	24351. 08	$a\ ^2F_{3\frac{1}{2}}$—$z\ ^4P^\circ_{2\frac{1}{2}}$
4100. 303	5*Z*	24381. 58	$b\ ^4D_{1\frac{1}{2}}$—$z\ ^6P^\circ_{1\frac{1}{2}}$
4098. 46	1	24392. 55	$b\ ^2I_{6\frac{1}{2}}$—$z\ ^4H^\circ_{7\frac{1}{2}}$
4095. 55	2	24409. 88	$d\ ^2D_{2\frac{1}{2}}$—(3)$^\circ_{3\frac{1}{2}}$ $d\ ^2G_{4\frac{1}{2}}$—$w\ ^4D^\circ_{3\frac{1}{2}}$
4094. 965	10*Z*	24413. 37	$c\ ^2F_{2\frac{1}{2}}$—$y\ ^4D^\circ_{3\frac{1}{2}}$
4090. 994	3	24437. 06	$d\ ^2G_{4\frac{1}{2}}$—$x\ ^4G^\circ_{5\frac{1}{2}}$
4084. 00	2*h*	24478. 89	
4082. 035	2	24490. 67	
4081. 070	10*Z*	24496. 46	$b\ ^4D_{2\frac{1}{2}}$—$z\ ^6P^\circ_{2\frac{1}{2}}$
4077. 68	10*Z*	24516. 85	
4074. 437	3	24536. 34	$a\ ^4H_{3\frac{1}{2}}$—$z\ ^6D^\circ_{2\frac{1}{2}}$
4067. 835	3	24576. 16	
4058. 61	2*Z*	24632. 02	$c\ ^4D_{0\frac{1}{2}}$—$z\ ^2S^\circ_{0\frac{1}{2}}$
4057. 70	3	24637. 54	$b\ ^2G_{4\frac{1}{2}}$—$z\ ^4H^\circ_{3\frac{1}{2}}$
4055. 60	1	24650. 30	
4053. 28	1*h*	24664. 41	$a\ ^4H_{3\frac{1}{2}}$—$z\ ^6D^\circ_{4\frac{1}{2}}$
4053. 03	1*h*	24665. 93	$d\ ^2D_{2\frac{1}{2}}$—$x\ ^4G^\circ_{3\frac{1}{2}}$ $d\ ^2F_{3\frac{1}{2}}$—$x\ ^2F^\circ_{2\frac{1}{2}}$
4049. 75	1	24685. 91	
4048. 98	2*h*	24690. 60	
4046. 84	2	24703. 66	$c\ ^2F_{2\frac{1}{2}}$—$z\ ^2D^\circ_{2\frac{1}{2}}$
4036. 32	1	24768. 07	$d\ ^2F_{3\frac{1}{2}}$—$x\ ^2G^\circ_{3\frac{1}{2}}$
4036. 12	2	24769. 27	$b\ ^4P_{0\frac{1}{2}}$—$z\ ^4F^\circ_{1\frac{1}{2}}$
4035. 566	5	24772. 67	$a\ ^2F_{2\frac{1}{2}}$—$z\ ^6P^\circ_{2\frac{1}{2}}$
4029. 966	10*lZ*	24807. 09	$b\ ^2F_{3\frac{1}{2}}$—$z\ ^4F^\circ_{3\frac{1}{2}}$
4027. 700	2	24821. 05	$b\ ^2I_{5\frac{1}{2}}$—$z\ ^4G^\circ_{4\frac{1}{2}}$
4025. 01	1	24837. 64	$c\ ^2D_{2\frac{1}{2}}$—$z\ ^4S^\circ_{1\frac{1}{2}}$
4023. 535	10*Z*	24846. 74	$b\ ^2H_{4\frac{1}{2}}$—$z\ ^4H^\circ_{3\frac{1}{2}}$
4016. 095	3*h*	24892. 77	
4013. 200	12*Z*	24910. 73	$c\ ^2G_{3\frac{1}{2}}$—$x\ ^4D^\circ_{2\frac{1}{2}}$
4010. 309	3*Z*	24928. 69	$a\ ^2P_{1\frac{1}{2}}$—$y\ ^4D^\circ_{2\frac{1}{2}}$
4008. 615	5	24939. 22	$c\ ^2D_{2\frac{1}{2}}$—$y\ ^2G^\circ_{3\frac{1}{2}}$
4006. 968	2	24949. 47	$b\ ^4D_{1\frac{1}{2}}$—$z\ ^6P^\circ_{2\frac{1}{2}}$
4005. 120	5*Z*	24960. 98	$b\ ^4D_{3\frac{1}{2}}$—$z\ ^6D^\circ_{3\frac{1}{2}}$
4002. 965	4Z	24974. 42	
4002. 38	1	24978. 07	$d\ ^2D_{2\frac{1}{2}}$—$w\ ^4D^\circ_{1\frac{1}{2}}$
4000. 717	3	24988. 45	$b\ ^4G_{2\frac{1}{2}}$—$z\ ^4D^\circ_{1\frac{1}{2}}$
3999. 840	10*Z*	24993. 93	$c\ ^2G_{3\frac{1}{2}}$—$y\ ^4P^\circ_{2\frac{1}{2}}$
3998. 565	10*Z*	25001. 90	$c\ ^4D_{1\frac{1}{2}}$—$z\ ^2S^\circ_{0\frac{1}{2}}$
3996. 64	2	25013. 94	
3992. 54	1	25039. 63	
3990. 79	15*l*, *Z*	25050. 61	$c\ ^2G_{4\frac{1}{2}}$—$y\ ^4F^\circ_{3\frac{1}{2}}$ $b\ ^2G_{3\frac{1}{2}}$—$z\ ^4H^\circ_{4\frac{1}{2}}$
3989. 45	5*H*	25059. 02	
3986. 155	50*Z*	25079. 74	$b\ ^4D_{2\frac{1}{2}}$—$z\ ^6D^\circ_{1\frac{1}{2}}$
3980. 03	5*H*	25118. 33	$a\ ^2H_{4\frac{1}{2}}$—$z\ ^4F^\circ_{4\frac{1}{2}}$
3974. 84	4*h*	25151. 13	$c\ ^2D_{1\frac{1}{2}}$—$z\ ^2F^\circ_{2\frac{1}{2}}$ $b\ ^2H_{4\frac{1}{2}}$—$z\ ^4H^\circ_{4\frac{1}{2}}$
3974. 46	1	25153. 53	$c\ ^2G_{4\frac{1}{2}}$—$y\ ^4G^\circ_{5\frac{1}{2}}$
3972. 950	7*Z*	25163. 10	$c\ ^2G_{3\frac{1}{2}}$—(1)$^\circ_{2\frac{1}{2}}$
3972. 17	2*h*	25168. 04	$c\ ^2F_{2\frac{1}{2}}$—$y\ ^4P^\circ_{1\frac{1}{2}}$
3968. 667	20*Z*	25190. 25	$b\ ^4D_{2\frac{1}{2}}$—$z\ ^6D^\circ_{3\frac{1}{2}}$
3967. 80	8*Z*	25195. 75	$a\ ^2P_{0\frac{1}{2}}$—$y\ ^4D^\circ_{0\frac{1}{2}}$
3967. 686	3	25196. 48	$b\ ^4G_{3\frac{1}{2}}$—$z\ ^4D^\circ_{2\frac{1}{2}}$
3965. 45	1	25210. 68	
3961. 520	200*Z*	25235. 70	$b\ ^4D_{3\frac{1}{2}}$—$z\ ^6D^\circ_{2\frac{1}{2}}$

TABLE 1. *Wavelengths and term combinations of* Mo II—Continued

Wavelength λ_{air}	Intensity	Wave No.	Term combination
3960. 17	3	25244. 30	$c\ ^2G_{4\frac{1}{2}}$—$y\ ^4H^\circ_{3\frac{1}{2}}$
3952. 985	20*Z*	25290. 18	$b\ ^4D_{1\frac{1}{2}}$—$z\ ^6D^\circ_{0\frac{1}{2}}$
3948. 79	1	25317. 05	
3943. 96	4	25348. 08	$c\ ^2D_{2\frac{1}{2}}$—$y\ ^2F^\circ_{3\frac{1}{2}}$
3942. 734	10*Z*	25355. 93	$a\ ^2F_{2\frac{1}{2}}$—$z\ ^6D^\circ_{1\frac{1}{2}}$
3941. 485	200*Z*	25363. 97	$b\ ^4D_{3\frac{1}{2}}$—$z\ ^6D^\circ_{4\frac{1}{2}}$
3932. 86	1	25419. 59	
3931. 694	7	25427. 13	
3930. 829	15*Z*	25432. 72	$b\ ^2F_{3\frac{1}{2}}$—$z\ ^4F^\circ_{4\frac{1}{2}}$
3929. 595	12*Z*	25440. 71	$b\ ^2D_{2\frac{1}{2}}$—$z\ ^2S^\circ_{1\frac{1}{2}}$
3927. 60	3*hl*	25453. 61	$d\ ^2G_{4\frac{1}{2}}$—$x\ ^2G^\circ_{3\frac{1}{2}}$
3926. 945	5*h*	25457. 88	$c\ ^2F_{2\frac{1}{2}}$—$z\ ^2P^\circ_{1\frac{1}{2}}$
3925. 828	30*Z*	25465. 12	$b\ ^4D_{2\frac{1}{2}}$—$z\ ^6D^\circ_{3\frac{1}{2}}$
3925. 62	10	25466. 50	$a\ ^2F_{2\frac{1}{2}}$—$z\ ^6D^\circ_{3\frac{1}{2}}$
3921. 530	5*Z*	25493. 03	$b\ ^4G_{4\frac{1}{2}}$—$z\ ^4D^\circ_{3\frac{1}{2}}$
3919. 459	15*Z*	25506. 50	$b\ ^2G_{4\frac{1}{2}}$—$z\ ^4H^\circ_{3\frac{1}{2}}$
3917. 90	2	25516. 65	$b\ ^4G_{2\frac{1}{2}}$—$z\ ^4D^\circ_{2\frac{1}{2}}$
3917. 54	5*Z*	25519. 00	$b\ ^2I_{5\frac{1}{2}}$—$z\ ^4I^\circ_{5\frac{1}{2}}$
3917. 07	2	25522. 06	$c\ ^2G_{3\frac{1}{2}}$—$y\ ^4G^\circ_{4\frac{1}{2}}$
3915. 434	40*Z*	25532. 72	$b\ ^4D_{1\frac{1}{2}}$—$z\ ^6D^\circ_{1\frac{1}{2}}$
3914. 310	3*s*	25540. 05	
3914. 12	2	25541. 29	
3913. 97	1	25542. 27	
3913. 75	2	25543. 71	$d\ ^2G_{3\frac{1}{2}}$—$x\ ^4P^\circ_{2\frac{1}{2}}$
3913. 20	2	25547. 30	
3910. 78	1*h*	25563. 11	
3910. 43	2*h*	25565. 39	
3910. 16	5	25567. 16	$b\ ^2I_{5\frac{1}{2}}$—$z\ ^2G^\circ_{4\frac{1}{2}}$
3909. 13	2	25573. 90	
3908. 79	2	25576. 12	
3908. 608	20*Z*	25577. 31	$b\ ^4D_{0\frac{1}{2}}$—$z\ ^6D^\circ_{0\frac{1}{2}}$
3908. 09	4	25580. 73	$c\ ^2G_{3\frac{1}{2}}$— (2)$^\circ_{3\frac{1}{2}}$
3906. 54	2*Z*	25590. 88	$d\ ^2G_{3\frac{1}{2}}$—$x\ ^2G^\circ_{3\frac{1}{2}}$
3905. 96	2*d*?	25594. 68	
3904. 965	15*Z*	25601. 20	$c\ ^2F_{3\frac{1}{2}}$—$x\ ^4D^\circ_{2\frac{1}{2}}$
3904. 16	5*h*	25606. 45	
3903. 81	2	25608. 75	$c\ ^4D_{2\frac{1}{2}}$—$z\ ^4G^\circ_{3\frac{1}{2}}$
3903. 61	3	25610. 06	$c\ ^2G_{3\frac{1}{2}}$—$y\ ^4G^\circ_{2\frac{1}{2}}$
3903. 42	1	25611. 30	
3902. 49	2	25617. 41	
3901. 13	2	25626. 34	
3901. 04	1	25626. 93	
3900. 95	1	25627. 52	$a\ ^4F_{3\frac{1}{2}}$—$z\ ^6P_{\frac{1}{2}}$
3900. 81	1	25628. 44	
3899. 94	2	25634. 16	
3899. 06	2*h*	25639. 94	
3898. 49	2	25643. 69	
3897. 819	4*h*	25648. 11	$a\ ^4F_{4\frac{1}{2}}$—$z\ ^6P^\circ_{3\frac{1}{2}}$
3897. 23	1	25651. 98	
3897. 06	1	25653. 10	
3896. 01	3*h*	25660. 01	
3895. 17	2*h*	25665. 55	$b\ ^4P_{2\frac{1}{2}}$—$z\ ^4D^\circ_{1\frac{1}{2}}$
3894. 81	1*h*	25667. 92	
3894. 74	2	25668. 38	
3894. 00	2	25673. 26	$c\ ^2G_{3\frac{1}{2}}$—$y\ ^4F^\circ_{3\frac{1}{2}}$
3893. 50	1	25676. 56	
3892. 33	2	25684. 27	$c\ ^2F_{3\frac{1}{2}}$—$y\ ^4P^\circ_{2\frac{1}{2}}$
3892. 10	1	25685. 79	
3891. 87	4	25687. 31	$b\ ^4G_{3\frac{1}{2}}$—$z\ ^4D^\circ_{3\frac{1}{2}}$
3891. 28	2	25691. 20	$a\ ^4H_{3\frac{1}{2}}$—$z\ ^4F^\circ_{2\frac{1}{2}}$
3887. 59	2	25715. 59	$b\ ^2H_{4\frac{1}{2}}$—$z\ ^4H^\circ_{5\frac{1}{2}}$
3887. 38	1	25716. 98	
3886. 06	1	25725. 71	
3885. 96	1	25726. 38	
3884. 19	1*hl*	25738. 10	
3883. 71	5*l*	25741. 28	$a\ ^2F_{2\frac{1}{2}}$—$z\ ^6D^\circ_{3\frac{1}{2}}$
3882. 96	4*s*	25746. 25	$d\ ^2G_{4\frac{1}{2}}$—$x\ ^2G^\circ_{4\frac{1}{2}}$
3882. 319	10*Z*	25750. 50	$c\ ^2F_{3\frac{1}{2}}$—$x\ ^4D^\circ_{3\frac{1}{2}}$
3881. 58	2	25755. 40	$a\ ^4F_{3\frac{1}{2}}$—$z\ ^6P^\circ_{2\frac{1}{2}}$
3880. 792	2*h*	25760. 64	
3879. 32	1	25770. 41	
3879. 20	1	25771. 21	
3877. 55	1	25782. 17	
3877. 41	1	25783. 10	
3877. 26	2*h*	25784. 10	
3877. 21	1	25784. 43	
3875. 07	1	25798. 67	$c\ ^4D_{3\frac{1}{2}}$—$y\ ^4D^\circ_{2\frac{1}{2}}$
3874. 29	5	25803. 87	$b\ ^4F_{1\frac{1}{2}}$—$z\ ^4D^\circ_{1\frac{1}{2}}$
3873. 85	1	25806. 80	
3873. 55	1	25808. 79	
3873. 27	4*l*	25810. 66	$b\ ^4F_{2\frac{1}{2}}$—$z\ ^4D^\circ_{1\frac{1}{2}}$
3872. 78	2	25813. 93	
3871. 90	15*Z*	25819. 79	$b\ ^4D_{0\frac{1}{2}}$—$z\ ^6D^\circ_{1\frac{1}{2}}$
3871. 451	50*Z*	25822. 79	$c\ ^2G_{4\frac{1}{2}}$—$z\ ^2F^\circ_{3\frac{1}{2}}$; $c\ ^4D_{1\frac{1}{2}}$—$y\ ^4D^\circ_{2\frac{1}{2}}$
3869. 90	2*h*	25833. 14	
3869. 62	2*h*	25835. 01	
3867. 87	1	25846. 70	$d\ ^2G_{3\frac{1}{2}}$—$w\ ^4F^\circ_{2\frac{1}{2}}$
3867. 78	1	25847. 30	
3866. 884	6*Z*	25853. 29	$c\ ^2F_{3\frac{1}{2}}$— (1)$^\circ_{2\frac{1}{2}}$
3863. 63	3	25875. 06	
3862. 42	1*w*	25883. 16	$d\ ^2G_{3\frac{1}{2}}$—$x\ ^2G^\circ_{4\frac{1}{2}}$
3862. 17	1*w*	25884. 84	
3861. 294	30*Z*	25890. 71	$b\ ^2H_{5\frac{1}{2}}$—$z\ ^4H^\circ_{6\frac{1}{2}}$
3860. 25	2	25897. 71	
3859. 35	2*l*	25903. 75	
3858. 84	3*Z*	25907. 18	$b\ ^2G_{3\frac{1}{2}}$—$z\ ^4G^\circ_{2\frac{1}{2}}$
3857. 197	50*Z*	25918. 21	$c\ ^2D_{2\frac{1}{2}}$— (3)$^\circ_{3\frac{1}{2}}$; $b\ ^4D_{1\frac{1}{2}}$—$z\ ^6D^\circ_{2\frac{1}{2}}$
3855. 29	2	25931. 03	
3854. 88	2	25933. 79	
3854. 71	2	25934. 93	
3853. 15	2	25945. 44	$c\ ^4D_{0\frac{1}{2}}$—$z\ ^2D^\circ_{1\frac{1}{2}}$
3852. 59	2	25949. 21	
3850. 838	5	25961. 01	$c\ ^2G_{3\frac{1}{2}}$—$y\ ^4F^\circ_{2\frac{1}{2}}$
3850. 51	2	25963. 22	
3845. 31	2	25998. 33	
3845. 11	1	25999. 68	
3842. 59	10*Z*	26016. 73	$b\ ^2I_{6\frac{1}{2}}$—$z\ ^4G^\circ_{5\frac{1}{2}}$; $a\ ^2P_{0\frac{1}{2}}$—$y\ ^4D^\circ_{1\frac{1}{2}}$; $d\ ^2G_{4\frac{1}{2}}$—$w\ ^4F^\circ_{4\frac{1}{2}}$
3838. 99	4*H*	26041. 16	
3837. 62	1	26050. 43	
3837. 49	1	26051. 31	
3837. 195	10*Z*	26053. 31	$c\ ^2F_{2\frac{1}{2}}$—$x\ ^4D^\circ_{2\frac{1}{2}}$
3835. 332	25*Z*	26065. 97	$c\ ^2G_{3\frac{1}{2}}$—$y\ ^4H^\circ_{4\frac{1}{2}}$
3833. 486	75*Z*	26078. 52	$b\ ^2H_{5\frac{1}{2}}$—$z\ ^4I^\circ_{4\frac{1}{2}}$
3832. 363	15*Z*	26086. 16	$c\ ^2G_{4\frac{1}{2}}$—$y\ ^4H^\circ_{5\frac{1}{2}}$
3823. 125	5*l*	26149. 19	$a\ ^2G_{4\frac{1}{2}}$—$z\ ^4F^\circ_{3\frac{1}{2}}$; $c\ ^2G_{4\frac{1}{2}}$—$x\ ^4F^\circ_{3\frac{1}{2}}$
3821. 55	1	26159. 97	
3821. 07	7*H*	26163. 25	
3820. 16	2	26169. 49	$c\ ^2D_{2\frac{1}{2}}$—$y\ ^2D^\circ_{2\frac{1}{2}}$

TABLE 1. *Wavelengths and term combinations of* Mo II—Continued

Wavelength λ_{air}	Intensity	Wave No.	Term combination
3819. 185	5*h*	26176. 17	$\left\{\begin{matrix} a\ ^2D_{1\frac{1}{2}}—z\ ^6P^\circ_{1\frac{1}{2}} \\ c\ ^2F_{3\frac{1}{2}}—y\ ^4G^\circ_{3\frac{1}{2}} \\ a\ ^4H_{3\frac{1}{2}}—z\ ^4F^\circ_{3\frac{1}{2}} \end{matrix}\right.$
3816. 64	5*h*	26193. 65	$b\ ^4P_{2\frac{1}{2}}—z\ ^4D^\circ_{2\frac{1}{2}}$
3815. 78	1	26199. 55	
3815. 267	5*Z*	26203. 07	$c\ ^2F_{2\frac{1}{2}}—x\ ^4D^\circ_{3\frac{1}{2}}$
3813. 909	10*Z*	26212. 40	$c\ ^2F_{3\frac{1}{2}}—y\ ^4G^\circ_{4\frac{1}{2}}$
3812. 208	25*Z*	26224. 10	$b\ ^2G_{4\frac{1}{2}}—z\ ^4G^\circ_{3\frac{1}{2}}$
3811. 792	12*Z*	26226. 96	$b\ ^4F_{3\frac{1}{2}}—z\ ^4D^\circ_{2\frac{1}{2}}$
3809. 96	1	26239. 57	
3807. 70	1*H*	26255. 15	
3807. 36	3	26257. 49	$a\ ^4F_{2\frac{1}{2}}—z\ ^6D^\circ_{1\frac{1}{2}}$
3806. 92	4*l*	26260. 53	$b\ ^4D_{2\frac{1}{2}}—z\ ^4F^\circ_{1\frac{1}{2}}$
3806. 68	4*l*	26262. 18	$\left\{\begin{matrix} b\ ^2D_{1\frac{1}{2}}—y\ ^4D^\circ_{2\frac{1}{2}} \\ c\ ^2F_{2\frac{1}{2}}—x\ ^4D^\circ_{1\frac{1}{2}} \end{matrix}\right.$
3806. 17	1	26265. 70	$c\ ^4D_{2\frac{1}{2}}—z\ ^2G^\circ_{3\frac{1}{2}}$
3805. 40	3	26271. 02	$c\ ^2F_{3\frac{1}{2}}—(2)^\circ_{3\frac{1}{2}}$
3804. 11	1	26279. 92	$d\ ^2D_{1\frac{1}{2}}—w\ ^4F^\circ_{1\frac{1}{2}}$
3804. 02	1	26280. 55	
3803. 38	5	26284. 97	
3802. 42	1	26291. 60	$d\ ^2D_{2\frac{1}{2}}—x\ ^4P^\circ_{2\frac{1}{2}}$
3801. 17	4*h*	26300. 25	$c\ ^2F_{3\frac{1}{2}}—y\ ^4G^\circ_{3\frac{1}{2}}$
3800. 79	1	26302. 88	
3799. 30	2*h*	26313. 17	
3796. 555	6	26332. 19	$\left\{\begin{matrix} b\ ^2G_{3\frac{1}{2}}—z\ ^4G^\circ_{3\frac{1}{2}} \\ b\ ^4F_{1\frac{1}{2}}—z\ ^4D^\circ_{2\frac{1}{2}} \end{matrix}\right.$
3795. 588	10	26338. 90	$\left\{\begin{matrix} d\ ^2D_{2\frac{1}{2}}—x\ ^2G^\circ_{3\frac{1}{2}} \\ b\ ^4F_{2\frac{1}{2}}—z\ ^4D^\circ_{2\frac{1}{2}} \end{matrix}\right.$
3793. 29	1	26354. 86	$a\ ^4H_{4\frac{1}{2}}—z\ ^4F^\circ_{3\frac{1}{2}}$
3792. 07	5	26363. 34	$\left\{\begin{matrix} d\ ^2F_{2\frac{1}{2}}—w\ ^2F^\circ_{2\frac{1}{2}} \\ c\ ^2F_{3\frac{1}{2}}—y\ ^4F^\circ_{3\frac{1}{2}} \end{matrix}\right.$
3791. 376	5	26368. 16	$a\ ^4F_{2\frac{1}{2}}—z\ ^6D^\circ_{3\frac{1}{2}}$
3788. 72	1*H*	26386. 64	
3786. 374	50*Z*	26402. 99	$a\ ^2P_{0\frac{1}{2}}—z\ ^2S^\circ_{0\frac{1}{2}}$
3783. 173	35*Z*	26425. 33	$b\ ^2G_{4\frac{1}{2}}—z\ ^4I^\circ_{4\frac{1}{2}}$
3782. 058	60*Z*	26433. 12	$b\ ^2H_{4\frac{1}{2}}—z\ ^4G^\circ_{3\frac{1}{2}}$
3781. 09	1	26439. 89	$a\ ^4F_{1\frac{1}{2}}—z\ ^6D^\circ_{2\frac{1}{2}}$
3780. 16	2	26446. 39	
3780. 06	1	26447. 09	
3779. 12	1*h*	26453. 67	
3779. 02	1	26454. 37	
3777. 88	1*h*	26462. 36	
3776. 81	2	26469. 85	$a\ ^4F_{4\frac{1}{2}}—z\ ^6D^\circ_{3\frac{1}{2}}$
3767. 766	20*Z*	26533. 39	$b\ ^2G_{3\frac{1}{2}}—z\ ^4I^\circ_{4\frac{1}{2}}$
3765. 64	1	26548. 37	$b\ ^2I_{6\frac{1}{2}}—z\ ^4I^\circ_{6\frac{1}{2}}$
3762. 106	15*Z*	26573. 30	$a\ ^2P_{1\frac{1}{2}}—z\ ^2D^\circ_{2\frac{1}{2}}$
3760. 29	1	26586. 14	$c\ ^4D_{3\frac{1}{2}}—z\ ^2G^\circ_{3\frac{1}{2}}$
3757. 37	5*h*	26606. 80	
3756. 76	1	26611. 12	$b\ ^4P_{1\frac{1}{2}}—z\ ^4D^\circ_{0\frac{1}{2}}$
3755. 500	50*Z*	26620. 05	$b\ ^4D_{2\frac{1}{2}}—z\ ^4F^\circ_{3\frac{1}{2}}$
3754. 669	15*Z*	26625. 94	$b\ ^2H_{5\frac{1}{2}}—z\ ^4G^\circ_{4\frac{1}{2}}$
3753. 93	2	26631. 18	
3753. 773	4	26632. 29	
3753. 480	15*Z*	26634. 37	$b\ ^2H_{4\frac{1}{2}}—z\ ^4I^\circ_{4\frac{1}{2}}$
3752. 80	1	26639. 20	
3752. 260	3	26643. 03	$a\ ^4F_{2\frac{1}{2}}—z\ ^6D^\circ_{2\frac{1}{2}}$
3751. 60	1	26647. 72	
3751. 110	5	26651. 20	$c\ ^2F_{3\frac{1}{2}}—y\ ^4F^\circ_{2\frac{1}{2}}$
3748. 117	30*Z*	26672. 48	$b\ ^4F_{4\frac{1}{2}}—z\ ^4D^\circ_{3\frac{1}{2}}$
3747. 010	5*h*	26680. 36	
3746. 435	25*Z*	26684. 46	$b\ ^4P_{2\frac{1}{2}}—z\ ^4D^\circ_{3\frac{1}{2}}$
3744. 420	35*Z*	26698. 82	$c\ ^2G_{3\frac{1}{2}}—z\ ^2H^\circ_{4\frac{1}{2}}$
3742. 335	60*Z*	26713. 69	$\left\{\begin{matrix} c\ ^2F_{2\frac{1}{2}}—y\ ^4F^\circ_{1\frac{1}{2}} \\ b\ ^4D_{1\frac{1}{2}}—z\ ^4F^\circ_{1\frac{1}{2}} \end{matrix}\right.$
3741. 778	15*Z*	26717. 67	$b\ ^4F_{3\frac{1}{2}}—z\ ^4D^\circ_{3\frac{1}{2}}$
3741. 36	1*h*	26720. 65	
3740. 43	3*h*	26727. 29	
3738. 973	5*h*	26737. 71	$d\ ^2F_{3\frac{1}{2}}—w\ ^2F^\circ_{2\frac{1}{2}}$
3738. 84	10*Z*	26738. 69	
3736. 399	12*Z*	26756. 13	$c\ ^2F_{3\frac{1}{2}}—y\ ^4H^\circ_{4\frac{1}{2}}$
3734. 21	1	26771. 81	$\left\{\begin{matrix} b\ ^2S_{0\frac{1}{2}}—y\ ^2P^\circ_{0\frac{1}{2}} \\ c\ ^2G_{3\frac{1}{2}}—x\ ^4F^\circ_{3\frac{1}{2}} \end{matrix}\right.$
3733. 839	8*h*	26774. 47	$a\ ^2G_{4\frac{1}{2}}—z\ ^4F^\circ_{4\frac{1}{2}}$
3730. 539	10*Z*	26798. 16	$c\ ^2G_{4\frac{1}{2}}—y\ ^2G^\circ_{3\frac{1}{2}}$
3730. 024	3	26801. 86	$a\ ^4H_{3\frac{1}{2}}—z\ ^4F^\circ_{4\frac{1}{2}}$
3728. 50	10*Z*	26812. 84	
3728. 07	1*h*	26815. 90	$c\ ^2F_{2\frac{1}{2}}—y\ ^4F^\circ_{3\frac{1}{2}}$
3727. 41	1*h*	26820. 65	
3725. 80	2*h*	26832. 24	$c\ ^4D_{2\frac{1}{2}}—y\ ^4D^\circ_{3\frac{1}{2}}$
3723. 018	4	26852. 29	$a\ ^4F_{3\frac{1}{2}}—z\ ^6D^\circ_{4\frac{1}{2}}$
3720. 200	30*Z*	26872. 66	$a\ ^4F_{4\frac{1}{2}}—z\ ^6D^\circ_{4\frac{1}{2}}$
3719. 777	35*Z*	26875. 69	$b\ ^4D_{3\frac{1}{2}}—z\ ^4F^\circ_{3\frac{1}{2}}$
3719. 18	4	26880. 00	
3719. 05	10*Z*	26880. 94	$b\ ^2G_{4\frac{1}{2}}—z\ ^2G^\circ_{3\frac{1}{2}}$
3717. 130	5	26894. 83	$c\ ^2G_{3\frac{1}{2}}—x\ ^4F^\circ_{4\frac{1}{2}}$
3716. 920	22*Z*	26896. 34	$a\ ^2F_{2\frac{1}{2}}—z\ ^4F^\circ_{2\frac{1}{2}}$
3713. 920	25*Z*	26918. 07	
3708. 04	1*H*	26960. 75	
3707. 98	2	26961. 19	$b\ ^2D_{2\frac{1}{2}}—z\ ^2D^\circ_{1\frac{1}{2}}$
3707. 705	2	26963. 19	$c\ ^2G_{3\frac{1}{2}}—z\ ^2F^\circ_{2\frac{1}{2}}$
3704. 150	10*Z*	26989. 07	$b\ ^2G_{3\frac{1}{2}}—z\ ^2G^\circ_{3\frac{1}{2}}$
3702. 550	250*Z*	27000. 73	$b\ ^4D_{0\frac{1}{2}}—z\ ^4F^\circ_{1\frac{1}{2}}$
3701. 360	3	27009. 41	$c\ ^2F_{2\frac{1}{2}}—y\ ^4H^\circ_{3\frac{1}{2}}$
3701. 068	4	27011. 54	$d\ ^2F_{3\frac{1}{2}}—x\ ^2H^\circ_{4\frac{1}{2}}$
3700. 72	15	27014. 08	
3699. 845	20*Z*	27020. 47	$d\ ^2D_{2\frac{1}{2}}—x\ ^4P^\circ_{1\frac{1}{2}}$
3699. 76	5	27021. 09	$c\ ^2G_{4\frac{1}{2}}—z\ ^2H^\circ_{5\frac{1}{2}}$
3698. 67	2	27029. 05	$b\ ^2S_{0\frac{1}{2}}—y\ ^2P^\circ_{1\frac{1}{2}}$
3697. 025	7*Z*	27041. 08	
3696. 32	1	27046. 26	
3695. 11	2	27055. 12	
3694. 43	20	27060. 10	$b\ ^4P_{1\frac{1}{2}}—z\ ^4D^\circ_{1\frac{1}{2}}$
3693. 11	2	27069. 77	
3692. 647	250*Z*	27073. 17	$b\ ^4D_{1\frac{1}{2}}—z\ ^4F^\circ_{2\frac{1}{2}}$
3691. 59	2	27080. 92	$b\ ^2G_{3\frac{1}{2}}—z\ ^4G^\circ_{4\frac{1}{2}}$
3690. 35	20*Z*	27090. 02	$b\ ^2H_{4\frac{1}{2}}—z\ ^2G^\circ_{3\frac{1}{2}}$
3689. 91	2	27093. 25	
3688. 310	300*Z*	27105. 00	$b\ ^4D_{2\frac{1}{2}}—z\ ^4F^\circ_{3\frac{1}{2}}$
3687. 705	3	27109. 42	$d\ ^2F_{3\frac{1}{2}}—w^2F^\circ_{3\frac{1}{2}}$
3685. 27	1	27127. 33	
3684. 875	1	27130. 24	$c\ ^2D_{1\frac{1}{2}}—w^4D^\circ_{0\frac{1}{2}}$
3684. 61	1	27132. 19	
3684. 18	25*Z*	27135. 36	$c\ ^2F_{3\frac{1}{2}}—z\ ^2F^\circ_{3\frac{1}{2}}$
3681. 78	5	27153. 04	$c\ ^4D_{3\frac{1}{2}}—y\ ^4D^\circ_{3\frac{1}{2}}$
3678. 64	3	27176. 22	$b\ ^2S_{0\frac{1}{2}}—x\ ^4P^\circ_{0\frac{1}{2}}$
3677. 894	4	27181. 73	$b\ ^2H_{4\frac{1}{2}}—z\ ^4G^\circ_{4\frac{1}{2}}$
3677. 63	1	27183. 68	
3674. 65	3	27205. 73	
3670. 673	50*Z*	27235. 20	$a\ ^4F_{1\frac{1}{2}}—z\ ^4F^\circ_{1\frac{1}{2}}$
3669. 850	3	27241. 31	
3667. 51	3*H*	27258. 69	
3658. 970	25*Z*	27322. 31	$b\ ^2I_{5\frac{1}{2}}—z\ ^2I^\circ_{5\frac{1}{2}}$
3658. 840	8	27323. 28	$b\ ^2H_{5\frac{1}{2}}—z\ ^4I^\circ_{5\frac{1}{2}}$
3658. 32	25*Z*	27327. 15	

TABLE 1. *Wavelengths and term combinations of* Mo II—Continued

Wavelength λ_{air}	Intensity	Wave No.	Term combination
3658. 29	20*Z*	27327. 39	$a\ ^2P_{1\frac{1}{2}}—z\ ^2P^\circ_{1\frac{1}{2}}$ $a\ ^2D_{1\frac{1}{2}}—z\ ^6D^\circ_{1\frac{1}{2}}$
3656. 15	1	27343. 38	
3655. 788	8*Z*	27346. 09	$d\ ^2F_{2\frac{1}{2}}—x\ ^2D^\circ_{2\frac{1}{2}}$
3653. 96	2	27359. 77	
3652. 450	60*Z*	27371. 08	$d\ ^2F_{2\frac{1}{2}}—x\ ^2D^\circ_{1\frac{1}{2}}$ $c\ ^2G_{4\frac{1}{2}}—y\ ^2H^\circ_{5\frac{1}{2}}$
3652. 315	60*Z*	27372. 10	$b\ ^2H_{5\frac{1}{2}}—z\ ^2G^\circ_{4\frac{1}{2}}$
3651. 100	150*Z*	27381. 20	$a\ ^2F_{2\frac{1}{2}}—z\ ^4F^\circ_{3\frac{1}{2}}$
3650. 075	5	27388. 89	$c\ ^2F_{3\frac{1}{2}}—z\ ^2H^\circ_{4\frac{1}{2}}$
3646. 74	2	27413. 94	
3643. 473	20*Z*	27438. 52	$a\ ^4F_{2\frac{1}{2}}—z\ ^4F^\circ_{1\frac{1}{2}}$
3642. 85	1	27443. 21	$c\ ^4D_{3\frac{1}{2}}—z\ ^2D^\circ_{2\frac{1}{2}}$
3642. 22	5	27447. 96	$b\ ^2G_{4\frac{1}{2}}—y\ ^4D^\circ_{3\frac{1}{2}}$
3640. 384	1	27461. 80	$c\ ^2F_{3\frac{1}{2}}—x\ ^4F^\circ_{3\frac{1}{2}}$
3639. 641	20*Z*	27467. 41	$c\ ^4D_{1\frac{1}{2}}—z\ ^2D^\circ_{2\frac{1}{2}}$
3638. 775	2	27473. 95	
3637. 772	22*Z*	27481. 52	$d\ ^2D_{2\frac{1}{2}}—y\ ^2P^\circ_{1\frac{1}{2}}$
3636. 570	4	27490. 60	
3635. 142	500*Z*	27501. 40	$b\ ^4D_{3\frac{1}{2}}—z\ ^4F^\circ_{4\frac{1}{2}}$
3634. 31	1	27507. 70	$d\ ^2D_{1\frac{1}{2}}—x\ ^4P^\circ_{0\frac{1}{2}}$
3633. 311	30*Z*	27515. 26	$b\ ^2H_{5\frac{1}{2}}—z\ ^4G^\circ_{5\frac{1}{2}}$
3631. 52	1	27528. 83	
3627. 96	3	27555. 84	$b\ ^2G_{3\frac{1}{2}}—y\ ^4D^\circ_{3\frac{1}{2}}$
3627. 348	60*d*?*Z*	27560. 49	$d\ ^2G_{3\frac{1}{2}}—w^2F^\circ_{2\frac{1}{2}}$
3625. 535	30*Z*	27574. 27	$b\ ^2I_{5\frac{1}{2}}—z\ ^2I^\circ_{6\frac{1}{2}}$
3623. 74	20	27587. 93	$c\ ^2F_{2\frac{1}{2}}—z\ ^2F^\circ_{3\frac{1}{2}}$
3623. 68	30*Z*	27588. 39	$b\ ^4P_{1\frac{1}{2}}—z\ ^4D^\circ_{2\frac{1}{2}}$
3622. 845	8*Z*	27594. 75	$a\ ^4F_{1\frac{1}{2}}—z\ ^4F^\circ_{2\frac{1}{2}}$
3620. 178	3*Z*	27615. 08	$c\ ^2F_{2\frac{1}{2}}—x\ ^4F^\circ_{1\frac{1}{2}}$
3618. 359	8*Z*	27628. 96	$b\ ^2I_{6\frac{1}{2}}—z\ ^2I^\circ_{5\frac{1}{2}}$
3617. 555	15*Z*	27635. 10	$b\ ^4P_{0\frac{1}{2}}—z\ ^4D^\circ_{0\frac{1}{2}}$
3616. 81	1	27640. 82	$c\ ^2G_{4\frac{1}{2}}—y\ ^2G^\circ_{4\frac{1}{2}}$
3615. 16	4	27653. 40	$c\ ^2F_{3\frac{1}{2}}—z\ ^2F^\circ_{2\frac{1}{2}}$
3614. 705	15	27656. 89	$b\ ^2H_{4\frac{1}{2}}—y\ ^4D^\circ_{3\frac{1}{2}}$
3612. 125	30*Z*	27676. 64	$a\ ^2P_{1\frac{1}{2}}—z\ ^2P^\circ_{0\frac{1}{2}}$
3606. 905	60*Z*	27716. 69	$a\ ^2P_{0\frac{1}{2}}—z\ ^2D^\circ_{1\frac{1}{2}}$
3606. 642	8*Z*	27718. 71	$b\ ^2G_{4\frac{1}{2}}—z\ ^2G^\circ_{4\frac{1}{2}}$
3606. 36	4	27720. 88	$d\ ^2F_{3\frac{1}{2}}—x\ ^2D^\circ_{2\frac{1}{2}}$
3604. 73	1*h*	27733. 42	
3602. 28	2	27752. 28	
3600. 60	1	27765. 23	
3599. 025	4	27777. 38	$c\ ^2G_{4\frac{1}{2}}—\ (3)\ ^\circ_{3\frac{1}{2}}$
3597. 851	3	27786. 44	
3597. 685	4*Z*	27787. 72	
3597. 48	1	27789. 31	
3597. 37	2	27790. 16	
3596. 746	7*Z*	27794. 98	$d\ ^2G_{4\frac{1}{2}}—w^2F^\circ_{3\frac{1}{2}}$
3596. 355	150*Z*	27798. 00	$a\ ^4F_{2\frac{1}{2}}—z\ ^4F^\circ_{2\frac{1}{2}}$
3596. 100	3	27799. 97	$c\ ^2D_{2\frac{1}{2}}—x\ ^4P^\circ_{2\frac{1}{2}}$
3595. 375	8	27805. 57	$b\ ^2F_{3\frac{1}{2}}—z\ ^4D^\circ_{2\frac{1}{2}}$ $b\ ^4G_{5\frac{1}{2}}—z\ ^4H^\circ_{4\frac{1}{2}}$
3594. 43	3*l*	27812. 89	
3593. 18	1	27822. 56	$b\ ^2D_{2\frac{1}{2}}—y\ ^4D^\circ_{3\frac{1}{2}}$
3592. 614	12*Z*	27826. 94	$b\ ^2G_{3\frac{1}{2}}—z\ ^2G^\circ_{4\frac{1}{2}}$
3592. 266	10*Z*	27829. 64	$c\ ^2G_{3\frac{1}{2}}—y\ ^2F^\circ_{3\frac{1}{2}}$
3591. 645	60*Z*	27834. 45	$d\ ^2G_{3\frac{1}{2}}—x\ ^2H^\circ_{4\frac{1}{2}}$
3590. 129	20*Z*	27846. 20	$b\ ^2G_{3\frac{1}{2}}—z\ ^2D^\circ_{2\frac{1}{2}}$
3589. 483	30*Z*	27851. 22	$c\ ^2G_{3\frac{1}{2}}—y\ ^2H^\circ_{4\frac{1}{2}}$ $c\ ^4D_{0\frac{1}{2}}—z\ ^2P^\circ_{1\frac{1}{2}}$
3588. 50	1*h*	27858. 85	
3588. 098	4	27861. 97	$b\ ^2G_{4\frac{1}{2}}—z\ ^4G^\circ_{5\frac{1}{2}}$
3586. 720	5	27872. 67	$b\ ^4G_{3\frac{1}{2}}—z\ ^4H^\circ_{3\frac{1}{2}}$
3585. 898	20*Z*	27879. 06	$a\ ^4F_{3\frac{1}{2}}—z\ ^4F^\circ_{2\frac{1}{2}}$ $c\ ^2F_{2\frac{1}{2}}—x\ ^4F^\circ_{3\frac{1}{2}}$ $b\ ^2H_{4\frac{1}{2}}—z\ ^4I^\circ_{5\frac{1}{2}}$
3585. 674	50*Z*	27880. 80	$b\ ^2I_{6\frac{1}{2}}—z\ ^2I^\circ_{6\frac{1}{2}}$
3582. 677	15	27904. 12	
3582. 411	10	27906. 20	$b\ ^2D_{1\frac{1}{2}}—z\ ^2D^\circ_{2\frac{1}{2}}$
3581. 383	2	27914. 21	$c\ ^2F_{2\frac{1}{2}}—x\ ^4F^\circ_{3\frac{1}{2}}$
3580. 275	5	27922. 84	$a\ ^2P_{1\frac{1}{2}}—x\ ^4D^\circ_{2\frac{1}{2}}$
3579. 061	20*l*, *Z*	27932. 32	$d\ ^2G_{3\frac{1}{2}}—w^2F^\circ_{3\frac{1}{2}}$
3572. 556	10*Z*	27983. 17	$b\ ^4G_{4\frac{1}{2}}—z\ ^4H^\circ_{4\frac{1}{2}}$
3567. 98	2	28019. 06	$d\ ^2F_{3\frac{1}{2}}—w^2G^\circ_{4\frac{1}{2}}$
3566. 26	4*s*	28032. 58	
3564. 490	4	28046. 49	$b\ ^2H_{5\frac{1}{2}}—z\ ^4I^\circ_{6\frac{1}{2}}$
3563. 93	2	28050. 90	
3562. 935	1	28058. 73	
3562. 49	1	28062. 24	
3561. 38	15*Z*	28070. 98	$b\ ^2H_{4\frac{1}{2}}—z\ ^4G^\circ_{5\frac{1}{2}}$
3559. 725	20*Z*	28084. 03	$b\ ^4P_{0\frac{1}{2}}—z\ ^4D^\circ_{1\frac{1}{2}}$
3558. 99	2	28089. 84	
3558. 784	7	28091. 46	$b\ ^2I_{5\frac{1}{2}}—y\ ^4H^\circ_{4\frac{1}{2}}$
3557. 40	5	28102. 39	
3556. 961	35*Z*	28105. 86	$c\ ^2F_{2\frac{1}{2}}—z\ ^2F^\circ_{2\frac{1}{2}}$
3556. 696	2	28107. 95	$b\ ^2I_{6\frac{1}{2}}—y\ ^4G^\circ_{5\frac{1}{2}}$
3556. 327	20*Z*	28110. 87	$c\ ^2F_{3\frac{1}{2}}—y\ ^2G^\circ_{3\frac{1}{2}}$
3555. 14	4	28120. 25	
3553. 690	5*Z*	28131. 73	$a\ ^2P_{1\frac{1}{2}}—x\ ^4D^\circ_{1\frac{1}{2}}$
3549. 720	3	28163. 19	
3549. 03	1	28168. 67	
3547. 937	35*Z*	28177. 34	$b\ ^4G_{3\frac{1}{2}}—z\ ^4H^\circ_{4\frac{1}{2}}$
3545. 983	40*Z*	28192. 87	$b\ ^4G_{2\frac{1}{2}}—z\ ^4H^\circ_{3\frac{1}{2}}$
3542. 386	45*Z*	28221. 50	$c\ ^4D_{1\frac{1}{2}}—z\ ^2P^\circ_{1\frac{1}{2}}$
3541. 19	1	28231. 03	
3537. 71	1	28258. 80	
3537. 123	25*Z*	28263. 49	$c\ ^2G_{3\frac{1}{2}}—y\ ^2G^\circ_{4\frac{1}{2}}$
3536. 84	2	28265. 75	
3536. 53	2	28268. 23	
3534. 695	40*Z*	28282. 90	$a\ ^4F_{2\frac{1}{2}}—z\ ^4F^\circ_{3\frac{1}{2}}$
3532. 998	30*Z*	28296. 48	$b\ ^2F_{3\frac{1}{2}}—z\ ^4D^\circ_{3\frac{1}{2}}$
3532. 466	5	28300. 75	$c\ ^2G_{3\frac{1}{2}}—x\ ^4G^\circ_{5\frac{1}{2}}$
3527. 877	15*Z*	28337. 56	$c\ ^2G_{4\frac{1}{2}}—x\ ^4G^\circ_{4\frac{1}{2}}$
3526. 17	2	28351. 27	
3525. 28	2	28358. 43	
3524. 64	40*Z*	28363. 61	$a\ ^4F_{3\frac{1}{2}}—z\ ^4F^\circ_{3\frac{1}{2}}$
3524. 59	40*Z*	28364. 01	$d\ ^2G_{4\frac{1}{2}}—x\ ^2H^\circ_{5\frac{1}{2}}$
3523. 889	7	28369. 63	$a\ ^2S_{0\frac{1}{2}}—y\ ^4D^\circ_{0\frac{1}{2}}$ $b\ ^4G_{5\frac{1}{2}}—z\ ^4H^\circ_{5\frac{1}{2}}$
3522. 060	15*Z*	28384. 36	$a\ ^4F_{4\frac{1}{2}}—z\ ^4F^\circ_{3\frac{1}{2}}$
3520. 161	20*Z*	28399. 67	$c\ ^2G_{3\frac{1}{2}}—\ (3)\ ^\circ_{3\frac{1}{2}}$
3515. 681	22*Z*	28435. 86	$b\ ^4F_{1\frac{1}{2}}—y\ ^4D^\circ_{0\frac{1}{2}}$
3514. 974	8	28441. 58	$b\ ^4G_{2\frac{1}{2}}—y\ ^4D^\circ_{1\frac{1}{2}}$
3513. 927	2	28450. 05	
3513. 41	2	28454. 24	
3512. 51	3	28461. 53	$c\ ^2F_{2\frac{1}{2}}—z\ ^4S^\circ_{1\frac{1}{2}}$
3511. 76	2	28467. 61	
3511. 10	2*Hl*	28472. 96	$c\ ^4D_{2\frac{1}{2}}—x\ ^4D^\circ_{2\frac{1}{2}}$
3510. 14	2	28480. 75	
3509. 250	4	28487. 97	
3509. 03	2	28489. 75	
3506. 699	15*Z*	28508. 69	$a\ ^2D_{1\frac{1}{2}}—z\ ^4F^\circ_{1\frac{1}{2}}$

TABLE 1. *Wavelengths and term combinations of* Mo II—Continued

Wavelength λ_{air}	Intensity	Wave No.	Term combination	Wavelength λ_{air}	Intensity	Wave No.	Term combination
3506. 35	2	28511. 53		3444. 21	3	29025. 91	$c\ ^4D_{1\frac{1}{2}}$—$x\ ^4D^\circ_{1\frac{1}{2}}$
3506. 16	2	28513. 07		3443. 68	1	29030. 38	
3505. 33	20	28519. 86	$c\ ^2F_{3\frac{1}{2}}$—$y\ ^2F^\circ_{3\frac{1}{2}}$				
3503. 36	2	28535. 86		3443. 11	3	29035. 19	
3502. 690	12*Z*	28541. 32	$c\ ^2F_{3\frac{1}{2}}$—$y\ ^2H^\circ_{4\frac{1}{2}}$	3442. 48	10*w*	29040. 53	$b\ ^2I_{6\frac{1}{2}}$—$y\ ^4H^\circ_{5\frac{1}{2}}$
				3441. 892	7	29045. 46	$c\ ^4D_{3\frac{1}{2}}$—$(1)^\circ_{2\frac{1}{2}}$
3501. 942	200*Z*	28547. 42	$b\ ^4G_{4\frac{1}{2}}$—$z\ ^4H^\circ_{5\frac{1}{2}}$	3440. 55	4	29056. 79	$a\ ^4D_{0\frac{1}{2}}$—$z\ ^6F^\circ_{0\frac{1}{2}}$
3501. 53	3*l*	28550. 78		3439. 01	3	29069. 80	$c\ ^4D_{1\frac{1}{2}}$— $(1)^\circ_{2\frac{1}{2}}$
3500. 92	4	28555. 75	$c\ ^4D_{2\frac{1}{2}}$—$y\ ^4P^\circ_{2\frac{1}{2}}$				
3499. 972	100*Z*	28563. 49	$c\ ^2F_{2\frac{1}{2}}$—$y\ ^2G^\circ_{3\frac{1}{2}}$	3438. 43	1	29074. 70	
3499. 075	100*Z*	28570. 81	$c\ ^4D_{1\frac{1}{2}}$—$z\ ^2P^\circ_{0\frac{1}{2}}$	3437. 970	2	29078. 60	
				3436. 60	1*w*	29090. 22	$c\ ^2F^\circ_{3\frac{1}{2}}$— $(3)^\circ_{3\frac{1}{2}}$
3498. 29	4*l*	28577. 22	$b\ ^2D_{2\frac{1}{2}}$—$y\ ^4P^\circ_{1\frac{1}{2}}$	3436. 30	1*l*	29092. 73	
3492. 05	2*l*	28628. 28		3435. 38	60*Z*	29100. 52	$b\ ^4G_{5\frac{1}{2}}$—$z\ ^4H^\circ_{6\frac{1}{2}}$
3491. 92	1	28629. 35					
3490. 93	1	28637. 47		3433. 256	7*l*	29118. 52	$d\ ^2F_{2\frac{1}{2}}$—$v\ ^2F^\circ_{2\frac{1}{2}}$; $b\ ^4P_{2\frac{1}{2}}$—$y\ D^\circ_{1\frac{1}{2}}$
3488. 77	1	28655. 20					
				3432. 228	65*Z*	29127. 24	$b\ ^2H_{5\frac{1}{2}}$—$z\ ^2I^\circ_{5\frac{1}{2}}$
3488. 150	30*Z*	28660. 29	$b\ ^2D_{1\frac{1}{2}}$—$z\ ^2P^\circ_{1\frac{1}{2}}$	3431. 50	1*hl*	29133. 42	
3487. 890	6	28662. 43	$c\ ^2G_{4\frac{1}{2}}$—$w\ ^4D^\circ_{3\frac{1}{2}}$	3430. 53	2*d*?	29141. 66	
3487. 02	2	28669. 58		3429. 64	1	29149. 22	
3486. 89	3	28670. 65					
3486. 73	1	28671. 76	$d\ ^2F_{2\frac{1}{2}}$—$w\ ^2D^\circ_{1\frac{1}{2}}$	3428. 88	25*Z*	29155. 68	$c\ ^2F_{2\frac{1}{2}}$—$y\ ^2D^\circ_{1\frac{1}{2}}$
				3428. 082	8	29162. 47	$b\ ^4F_{4\frac{1}{2}}$—$z\ ^4H^\circ_{4\frac{1}{2}}$
3485. 722	50*Z*	28680. 25	$d\ ^2D_{2\frac{1}{2}}$—$w\ ^2F^\circ_{3\frac{1}{2}}$	3427. 74	1	29165. 38	
3484. 561	100*Z*	28689. 81	$c\ ^2G_{4\frac{1}{2}}$—$x\ ^4G^\circ_{5\frac{1}{2}}$				
3482. 769	10*Z*	28704. 57	$d\ ^2G_{4\frac{1}{2}}$—$w\ ^2G^\circ_{4\frac{1}{2}}$	3427. 07	15*Z*	29171. 08	$d\ ^2D_{1\frac{1}{2}}$—$x\ ^2D^\circ_{2\frac{1}{2}}$
3481. 10	1	28718. 33	$b\ ^2G_{4\frac{1}{2}}$—$z\ ^2G^\circ_{4\frac{1}{2}}$	3426. 14	1	29179. 00	
3479. 90	1*d*?	28728. 23					
				3424. 79	5	29190. 50	$a\ ^2S_{0\frac{1}{2}}$—$y\ ^4D^\circ_{1\frac{1}{2}}$
3479. 20	2	28734. 01	$b\ ^2I_{5\frac{1}{2}}$—$y\ ^4H^\circ_{5\frac{1}{2}}$	3424. 172	8	29195. 77	$b\ ^2G_{3\frac{1}{2}}$—$x\ ^4D^\circ_{2\frac{1}{2}}$; $d\ ^2D_{1\frac{1}{2}}$—$x\ ^2D^\circ_{1\frac{1}{2}}$
3472. 87	1	28786. 39					
3468. 29	2*e*	28824. 40		3423. 876	2	29198. 29	$c\ ^2D_{1\frac{1}{2}}$—$x\ ^4P^\circ_{1\frac{1}{2}}$
3466. 12	3*hl*	28842. 44		3422. 765	200*Z*	29207. 77	$b\ ^4F_{3\frac{1}{2}}$—$z\ ^4H^\circ_{4\frac{1}{2}}$
3464. 86	3*e*	28852. 93		3419. 59	4	29234. 89	$c\ ^4D_{2\frac{1}{2}}$—$y\ ^4F^\circ_{3\frac{1}{2}}$
3464. 73	1*e*	28854. 01		3419. 38	2	29236. 68	$c\ ^2G_{3\frac{1}{2}}$—$w^4D^\circ_{2\frac{1}{2}}$
3463. 55	5	28863. 84	$b\ ^2S_{0\frac{1}{2}}$—$x\ ^2D^\circ_{1\frac{1}{2}}$	3419. 283	2	29237. 51	$b\ ^2G_{4\frac{1}{2}}$—$x\ ^4D^\circ_{3\frac{1}{2}}$
3463. 179	8	28866. 93	$b\ ^2D_{2\frac{1}{2}}$—$z\ ^2P^\circ_{1\frac{1}{2}}$	3419. 020	8	29239. 76	$d\ ^2G_{4\frac{1}{2}}$—$w^2H^\circ_{5\frac{1}{2}}$
3463. 033	20*Z*	28868. 15	$a\ ^2D_{1\frac{1}{2}}$—$z\ ^4F^\circ_{2\frac{1}{2}}$	3417. 007	7	29256. 99	$b\ ^4F_{1\frac{1}{2}}$—$y\ ^4D^\circ_{1\frac{1}{2}}$
3462. 07	18*Z*	28876. 21	$c\ ^4D_{3\frac{1}{2}}$—$y\ ^4P^\circ_{2\frac{1}{2}}$	3416. 21	55	29263. 81	$b\ ^4F_{2\frac{1}{2}}$—$y\ ^4D^\circ_{1\frac{1}{2}}$
3461. 47	1*l*	28881. 19		3416. 08	45	29264. 92	$b\ ^4G_{4\frac{1}{2}}$—$z\ ^4G^\circ_{3\frac{1}{2}}$
3459. 19	1*w*	28900. 22	$c\ ^4D_{1\frac{1}{2}}$—$y\ ^4P^\circ_{2\frac{1}{2}}$	3414. 430	10*Z*	29279. 07	$b\ ^2G_{3\frac{1}{2}}$—$y\ ^4P^\circ_{2\frac{1}{2}}$
3458. 850	12	28903. 06	$b\ ^4F_{3\frac{1}{2}}$—$z\ ^4H^\circ_{3\frac{1}{2}}$	3413. 77	2	29284. 73	$c\ ^2G_{3\frac{1}{2}}$—$w^4D^\circ_{3\frac{1}{2}}$
3458. 49	3	28906. 07		3412. 956	8*Z*	29291. 71	$d\ ^2D_{2\frac{1}{2}}$—$x\ ^2D^\circ_{2\frac{1}{2}}$
3456. 77	2	28920. 45	$b\ ^2I_{5\frac{1}{2}}$—$x\ ^4F^\circ_{4\frac{1}{2}}$	3412. 366	8*Z*	29296. 77	
3455. 874	8	28927. 95	$d\ ^2F_{3\frac{1}{2}}$—$w^2H^\circ_{4\frac{1}{2}}$	3410. 618	15*Z*	29311. 79	
3455. 02	2*hl*	28935. 10		3410. 049	2	29316. 68	$d\ ^2D_{2\frac{1}{2}}$—$x\ ^2D^\circ_{1\frac{1}{2}}$
3454. 12	2*w*	28942. 64	$c\ ^4D_{3\frac{1}{2}}$—$x\ ^4D^\circ_{3\frac{1}{2}}$	3409. 82	2	29318. 65	
3453. 73	1	28945. 91		3409. 36	1	29322. 64	
3452. 822	40*Z*	28953. 52	$c\ ^2F_{3\frac{1}{2}}$—$y\ ^2G^\circ_{4\frac{1}{2}}$	3408. 666	15*Z*	29328. 57	$b\ ^4G_{3\frac{1}{2}}$—$y\ ^4D^\circ_{2\frac{1}{2}}$
3452. 33	1	28957. 65		3408. 20	3*H*	29332. 58	$a\ ^2P^\circ_{0\frac{1}{2}}$—$y\ ^4P^\circ_{1\frac{1}{2}}$
3452. 05	3	28960. 00	$c\ ^2G_{3\frac{1}{2}}$—$x\ ^4G^\circ_{4\frac{1}{2}}$	3407. 63	10*Z*	29337. 49	$c\ ^2G_{4\frac{1}{2}}$—$x\ ^2F^\circ_{3\frac{1}{2}}$
3451. 29	1	28966. 37		3407. 203	12*Z*	29341. 17	$c\ ^2F_{3\frac{1}{2}}$—$y\ ^2D^\circ_{2\frac{1}{2}}$
3450. 591	30*Z*	28972. 24	$c\ ^2F_{2\frac{1}{2}}$—$y\ ^2F^\circ_{3\frac{1}{2}}$	3405. 70	6	29354. 12	$b\ ^4G_{2\frac{1}{2}}$—$z\ ^4G^\circ_{2\frac{1}{2}}$
3449. 56	1	28980. 90		3404. 02	2	29368. 60	$c\ ^4D_{3\frac{1}{2}}$—$y\ ^4G^\circ_{3\frac{1}{2}}$
3448. 76	3	28987. 62		3402. 810	200*Z*	29379. 05	$b\ ^2H_{5\frac{1}{2}}$—$z\ ^2I_{6\frac{1}{2}}$
3448. 531	20*Z*	28989. 55	$c\ ^2D_{2\frac{1}{2}}$—$y\ ^2P^\circ_{1\frac{1}{2}}$; $a\ ^4F_{3\frac{1}{2}}$—$z\ ^4F^\circ_{4\frac{1}{2}}$	3401. 665	3	29388. 93	
				3401. 530	1	29390. 10	
3447. 54	1	28997. 88		3400. 80	1	29396. 41	
3446. 98	3	29002. 59		3400. 15	4*Z*	29402. 03	$c\ ^2D_{1\frac{1}{2}}$—$y\ ^2P^\circ_{0\frac{1}{2}}$
3446. 72	1	29004. 78					
			$a\ ^2P_{0\frac{1}{2}}$—$y\ ^4P^\circ_{0\frac{1}{2}}$	3399. 574	4	29407. 01	
3446. 092	200*Z*	29010. 06	$b\ ^2D_{1\frac{1}{2}}$—$z\ ^2P^\circ_{0\frac{1}{2}}$	3399. 396	2	29408. 55	
			$a\ ^4F_{4\frac{1}{2}}$—$z\ ^4F^\circ_{4\frac{1}{2}}$	3399. 100	3	29411. 11	
3445. 500	75	29015. 05	$b\ ^4F_{2\frac{1}{2}}$—$z\ ^4H^\circ_{3\frac{1}{2}}$	3398. 970	4	29412. 23	$c\ ^4D_{1\frac{1}{2}}$—$x\ ^4D^\circ_{0\frac{1}{2}}$
3444. 40	5	29024. 31	$d\ ^2G_{3\frac{1}{2}}$—$w^2G^\circ_{3\frac{1}{2}}$	3397. 105	2	29428. 38	$c\ ^4D_{2\frac{1}{2}}$—$y\ ^4H^\circ_{3\frac{1}{2}}$

TABLE 1. *Wavelengths and term combinations of* Mo II—Continued

Wavelength λ_{air}	Intensity	Wave No.	Term combination	Wavelength λ_{air}	Intensity	Wave No.	Term combination
3395. 75	4Z	29440. 12	$a\ ^4D_{1\frac{1}{2}}$—$z\ ^6F^\circ_{2\frac{1}{2}}$	3348. 99	20	29851. 17	$b\ ^2D_{1\frac{1}{2}}$—$x\ ^4D^\circ_{0\frac{1}{2}}$
3395. 360	35Z	29443. 51	$c\ ^2F_{2\frac{1}{2}}$—$x\ ^4G^\circ_{2\frac{1}{2}}$	3348. 92	45Z	29851. 79	$a\ ^2F_{2\frac{1}{2}}$—$z\ ^4D^\circ_{1\frac{1}{2}}$
3394. 810	7Z	29448. 28	$b\ ^2G_{3\frac{1}{2}}$— (1)$^\circ_{2\frac{1}{2}}$	3347. 91	2	29860. 80	
3394. 335	1h	29452. 40		3347. 254	75Z	29866. 65	$b\ ^4D_{0\frac{1}{2}}$—$z\ ^4D^\circ_{0\frac{1}{2}}$
3393. 557	7	29459. 15	$b\ ^4G_{3\frac{1}{2}}$—$z\ ^4G^\circ_{3\frac{1}{2}}$	3346. 386	100Z	29874. 40	$b\ ^4D_{3\frac{1}{2}}$—$z\ ^4D^\circ_{2\frac{1}{2}}$
3393. 122	10	29462. 93	$b\ ^2D_{2\frac{1}{2}}$—$x\ ^4D^\circ_{3\frac{1}{2}}$ $c\ ^4D_{3\frac{1}{2}}$—(2)$^\circ_{4\frac{1}{2}}$	3346. 120	20Z	29876. 77	$b\ ^2I_{5\frac{1}{2}}$—$y\ ^2H^\circ_{4\frac{1}{2}}$
3392. 92	4	29464. 68	$b\ ^2D_{1\frac{1}{2}}$—$x\ ^4D$?	3344. 87	2	29887. 93	$a\ ^4D_{2\frac{1}{2}}$—$z\ ^6F^\circ_{3\frac{1}{2}}$
3392. 755	4	29466. 11	$b\ ^4G_{4\frac{1}{2}}$—$z\ ^4I^\circ_{4\frac{1}{2}}$	3344. 55	3	29890. 80	
3391. 843	100Z	29474. 04	$b\ ^2G_{4\frac{1}{2}}$—$z\ ^2I^\circ_{5\frac{1}{2}}$	3344. 025	1	29895. 49	$b\ ^2G_{3\frac{1}{2}}$—$y\ ^4G^\circ_{2\frac{1}{2}}$
3391. 442	5	29477. 52	$c\ ^4D_{1\frac{1}{2}}$—$y\ ^4F^\circ_{1\frac{1}{2}}$	3343. 896	1	29896. 64	$b\ ^2H_{5\frac{1}{2}}$—$y\ ^4H^\circ_{4\frac{1}{2}}$
				3343. 02	3	29904. 47	
			$d\ ^2F_{3\frac{1}{2}}$—$v\ ^2F^\circ_{2\frac{1}{2}}$	3342. 588	5	29908. 34	$b\ ^2H_{4\frac{1}{2}}$—$y\ ^4G^\circ_{4\frac{1}{2}}$
3389. 76	3	29492. 15	$c\ ^4D_{3\frac{1}{2}}$—$y\ ^4G^\circ_{2\frac{1}{2}}$	3341. 36	2	29919. 33	
3388. 33	1	29504. 59		3341. 072	3	29921. 91	$b\ ^4G_{4\frac{1}{2}}$—$z\ ^2G^\circ_{3\frac{1}{2}}$
3387. 88	4	29508. 51	$b\ ^2D_{1\frac{1}{2}}$—(1)$^\circ_{2\frac{1}{2}}$	3340. 74	3	29924. 88	
3386. 98	7Z	29516. 38	$c\ ^4D_{1\frac{1}{2}}$—$y\ ^4G^\circ_{2\frac{1}{2}}$				
3386. 27	8	29522. 54	$c\ ^4D_{2\frac{1}{2}}$—$y\ F^\circ_{3\frac{1}{2}}$				
				3340. 525	5	29926. 81	$c\ ^2F_{3\frac{1}{2}}$—$w\ ^4D^\circ_{2\frac{1}{2}}$
3383. 982	60Z	29542. 50	$c\ ^2F_{2\frac{1}{2}}$— (3)$^\circ_{3\frac{1}{2}}$	3339. 48	2	29936. 17	
3380. 218	150Z	29575. 40	$b\ ^4D_{2\frac{1}{2}}$—$z\ ^4D^\circ_{1\frac{1}{2}}$	3339. 14	4	29939. 22	
3380. 08	5	29576. 60	$a\ ^2S_{0\frac{1}{2}}$—$z\ ^2S^\circ_{0\frac{1}{2}}$	3338. 88	4	29941. 55	
3379. 753	125Z	29579. 47	$b\ ^4D_{1\frac{1}{2}}$—$z\ ^4D^\circ_{0\frac{1}{2}}$	3338. 67	3d?	29943. 44	
3376. 710	40Z	29606. 12	$b\ ^2H_{5\frac{1}{2}}$—$y\ ^4G^\circ_{5\frac{1}{2}}$				
				3338. 152	5	29948. 08	$c\ ^4D_{3\frac{1}{2}}$—$y\ ^4H^\circ_{4\frac{1}{2}}$
3376. 02	1	29612. 17	$b\ ^2D_{2\frac{1}{2}}$—$x\ ^4D^\circ_{3\frac{1}{2}}$	3337. 82	2	29951. 06	
3375. 872	3	29613. 47	$d\ ^2G_{4\frac{1}{2}}$—$w\ ^2H^\circ_{4\frac{1}{2}}$	3337. 66	1	29952. 50	$b\ ^2G_{4\frac{1}{2}}$—$y\ ^4G^\circ_{5\frac{1}{2}}$
3375. 54	2	29616. 38		3337. 01	4w	29958. 35	$b\ ^2G_{3\frac{1}{2}}$—$y\ ^4F^\circ_{3\frac{1}{2}}$
3374. 839	20Z	29622. 53	$a\ ^2P_{0\frac{1}{2}}$—$z\ ^2P^\circ_{1\frac{1}{2}}$	3336. 06	6w	29966. 89	$b\ ^2H_{4\frac{1}{2}}$— (2)$^\circ_{3\frac{1}{2}}$
3373. 98	2l	29630. 08					
				3335. 55	3	29971. 44	
3373. 10	20Z	29637. 80	$a\ ^2G_{4\frac{1}{2}}$—$z\ ^4D^\circ_{3\frac{1}{2}}$	3335. 497	10Z	29971. 92	$a\ ^2P_{0\frac{1}{2}}$—$z\ ^2P^\circ_{0\frac{1}{2}}$
3372. 47	1	29643. 34	$b\ ^4F_{1\frac{1}{2}}$—$z\ ^2S^\circ_{0\frac{1}{2}}$	3335. 36	2	29973. 15	
3371. 690	100Z	29650. 20	$c\ ^2F_{3\frac{1}{2}}$—$x\ ^4G^\circ_{4\frac{1}{2}}$				$c\ ^2F_{3\frac{1}{2}}$—$w\ ^4D^\circ_{3\frac{1}{2}}$
3371. 54	7	29651. 52		3335. 106	10Z	29975. 43	$a\ ^2P_{1\frac{1}{2}}$—$z\ ^2F^\circ_{3\frac{1}{2}}$
3370. 541	50Z	29660. 31	$b\ ^4G_{3\frac{1}{2}}$—$z\ ^4I^\circ_{4\frac{1}{2}}$				$b\ ^2I_{6\frac{1}{2}}$—$z\ ^2H^\circ_{5\frac{1}{2}}$
				3334. 398	1	29981. 80	
3369. 932	15Z	29665. 67	$a\ ^4H_{3\frac{1}{2}}$—$z\ ^4D^\circ_{3\frac{1}{2}}$				
3369. 59	8	29668. 71	$b\ ^2I_{5\frac{1}{2}}$—$z\ ^2H^\circ_{5\frac{1}{2}}$	3334. 24	1	29983. 22	
3367. 960	300Z	29683. 04	$b\ ^2H_{4\frac{1}{2}}$—$z\ ^2I^\circ_{5\frac{1}{2}}$	3334. 07	2	29984. 75	
3366. 930	10Z	29692. 12	$b\ ^4P_{1\frac{1}{2}}$—$y\ ^4D^\circ_{0\frac{1}{2}}$	3333. 84	3	29986. 82	
3366. 14	3	29699. 08	$b\ ^2G_{4\frac{1}{2}}$—$y\ ^4G^\circ_{4\frac{1}{2}}$	3333. 64	3d?	29988. 62	
				3332. 524	75Z	29998. 66	$c\ ^2G_{4\frac{1}{2}}$—$x\ ^2G^\circ_{4\frac{1}{2}}$
3365. 314	2	29706. 37	$c\ ^2G_{4\frac{1}{2}}$—$x\ ^2G^\circ_{3\frac{1}{2}}$				
3365. 041	2	29708. 78	$b\ ^2I_{5\frac{1}{2}}$—$y\ ^4H^\circ_{6\frac{1}{2}}$	3332. 320	2	30000. 49	
3364. 38	2	29714. 62	$b\ ^2D_{2\frac{1}{2}}$— (1)$^\circ_{2\frac{1}{2}}$	3332. 07	2	30002. 74	
3363. 012	75Z	29726. 71	$b\ ^4F_{4\frac{1}{2}}$—$z\ ^4H^\circ_{5\frac{1}{2}}$	3331. 914	2	30004. 15	
3360. 54	6	29748. 57	$a\ ^2P_{1\frac{1}{2}}$—$x\ ^4F^\circ_{2\frac{1}{2}}$ $c\ ^4D_{3\frac{1}{2}}$—$y\ ^4H^\circ_{3\frac{1}{2}}$	3331. 610	5	30006. 89	$c\ ^4D_{2\frac{1}{2}}$—$z\ ^2F^\circ_{3\frac{1}{2}}$
				3331. 40	15Z	30008. 81	$c\ ^4D_{0\frac{1}{2}}$—$x\ ^4F^\circ_{1\frac{1}{2}}$
3360. 285	35Z	29750. 83	$d\ ^2G_{3\frac{1}{2}}$—$w\ ^2H^\circ_{4\frac{1}{2}}$	3330. 882	35	30013. 44	$b\ ^2F_{2\frac{1}{2}}$—$z\ ^4H^\circ_{3\frac{1}{2}}$ $b\ ^4G_{4\frac{1}{2}}$—$z\ ^4G^\circ_{4\frac{1}{2}}$
3360. 104	7	29752. 43		3330. 669	10	30015. 36	$b\ ^2I_{6\frac{1}{2}}$—$y\ ^4H^\circ_{6\frac{1}{2}}$
3357. 96	2	29771. 43	$b\ ^2G_{3\frac{1}{2}}$—$y\ ^4G^\circ_{3\frac{1}{2}}$	3330. 288	18	30018. 80	$b\ ^2I_{5\frac{1}{2}}$—$y\ ^2H^\circ_{5\frac{1}{2}}$
3357. 785	10	29772. 98	$a\ ^2D_{2\frac{1}{2}}$—$z\ ^4F^\circ_{3\frac{1}{2}}$	3329. 208	100Z	30028. 54	$b\ ^4D_{1\frac{1}{2}}$—$z\ ^4D^\circ_{1\frac{1}{2}}$
3357. 074	50Z	29779. 29	$b\ ^4G_{2\frac{1}{2}}$—$z\ ^4G^\circ_{3\frac{1}{2}}$	3328. 564	10Z	30034. 34	$a\ ^4D_{1\frac{1}{2}}$—$z\ ^4P^\circ_{0\frac{1}{2}}$ $c\ ^4D_{2\frac{1}{2}}$—$x\ ^4F^\circ_{1\frac{1}{2}}$
3356. 40	3	29785. 27		3328. 13	1	30038. 26	$b\ ^2D_{2\frac{1}{2}}$—$y\ ^4G^\circ_{3\frac{1}{2}}$
3355. 50	2	29793. 26		3327. 91	1	0040. 25	$d\ ^2F_{3\frac{1}{2}}$—$v\ ^2F^\circ_{3\frac{1}{2}}$
3355. 46	2	29793. 61	$c\ ^2F_{2\frac{1}{2}}$—$y\ ^2D^\circ_{2\frac{1}{2}}$	3327. 522	5	30043. 75	$b\ ^2G_{4\frac{1}{2}}$—$y\ ^4H^\circ_{3\frac{1}{2}}$
3353. 92	2h	29807. 29	$b\ ^2G_{3\frac{1}{2}}$—$y\ ^4G^\circ_{4\frac{1}{2}}$	3326. 900	2s	30049. 37	
3353. 700	4	29809. 25		3326. 76	2	30050. 63	
						3	
3352. 834	15d?Z	29816. 94	$c\ ^2D_{2\frac{1}{2}}$—$w\ ^2F^\circ_{2\frac{1}{2}}$	3326. 56	2	0052. 44	
3352. 16	2h	29822. 94		3326. 39	2	30053. 97	
3350. 715	2	29835. 80	$b\ ^4G_{5\frac{1}{2}}$—$z\ ^4G^\circ_{4\frac{1}{2}}$	3325. 85	1h	30058. 85	$b\ ^2H_{4\frac{1}{2}}$—$y\ ^4F^\circ_{3\frac{1}{2}}$
3350. 57	2	29837. 09	$d\ ^2F_{3\frac{1}{2}}$—$w\ ^2D^\circ_{2\frac{1}{2}}$	3325. 222	50Z	30064. 53	$b\ ^4F_{3\frac{1}{2}}$—$z\ ^4G^\circ_{2\frac{1}{2}}$
3349. 70	2	29844. 84		3324. 93	2h	330067. 20	

TABLE 1. *Wavelengths and term combinations of* Mo II—Continued

Wavelength λ_{air}	Intensity	Wave No.	Term combination
3324. 85	2	30067. 90	
3324. 63	2	30069. 88	
3324. 47	2	30071. 33	
3324. 22	1	30073. 59	
3322. 68	2	30087. 53	
3322. 552	10	30088. 69	
3322. 126	15*Z*	30092. 58	$b\ ^2S_{0\frac{1}{2}}$—$x\ ^2P^\circ_{0\frac{1}{2}}$
3321. 204	20*Z*	30100. 90	$a\ ^4F_{1\frac{1}{2}}$—$z\ ^4D^\circ_{0\frac{1}{2}}$
3320. 897	300*Z*	30103. 68	$b\ ^4D_{2\frac{1}{2}}$—$z\ ^4D^\circ_{2\frac{1}{2}}$
3320. 53	2	30107. 01	
3319. 249	10	30118. 63	
3318. 85	2	30122. 25	
3318. 77	1	30122. 98	$b\ ^2D_{2\frac{1}{2}}$—$y\ ^4F^\circ_{1\frac{1}{2}}$
3318. 65	2	30124. 06	
3318. 53	2	30125. 15	
3317. 574	2*l*	30133. 84	
3317. 046	10	30138. 63	
3316. 76	2	30141. 23	$b\ ^4G_{2\frac{1}{2}}$—$z\ ^2D^\circ_{1\frac{1}{2}}$
3316. 72	5	30141. 59	
3316. 58	2	30142. 87	
3316. 44	2	30144. 14	
3315. 573	2	30152. 02	$b\ ^2G_{3\frac{1}{2}}$—$y\ ^4H^\circ_{3\frac{1}{2}}$
3315. 37	2	30153. 87	$a\ ^4P_{1\frac{1}{2}}$—$z\ ^6F^\circ_{0\frac{1}{2}}$
3315. 30	10*h*	30154. 50	
3314. 48	10	30161. 96	$b\ ^2D_{2\frac{1}{2}}$—$y\ ^4G^\circ_{3\frac{1}{2}}$ $b\ ^2H_{4\frac{1}{2}}$—$y\ ^4G^\circ_{5\frac{1}{2}}$
3314. 117	5	30165. 27	$b\ ^2S_{0\frac{1}{2}}$—$w\ ^2D^\circ_{1\frac{1}{2}}$
3313. 629	200	30169. 71	$b\ ^4F_{1\frac{1}{2}}$—$z\ ^4G^\circ_{2\frac{1}{2}}$
3312. 885	75	30176. 49	$b\ ^4F_{2\frac{1}{2}}$—$z\ ^4G^\circ_{2\frac{1}{2}}$
3312. 53	1	30179. 72	
3312. 20	1	30182. 73	
3311. 54	2	30188. 77	$c\ ^2D_{2\frac{1}{2}}$—$w\ ^2F^\circ_{3\frac{1}{2}}$
3310. 35	2	30199. 59	
3310. 16	2	30201. 33	
3309. 458	5*Z*	30207. 73	$b\ ^4G_{2\frac{1}{2}}$—$z\ ^4G^\circ_{4\frac{1}{2}}$
3309. 115	2*h*	30210. 86	
3308. 315	1	30218. 17	
3308. 138	2*l*	30219. 79	
3307. 91	2	30221. 87	
3307. 81	1	30222. 78	
3307. 418	40	30226. 36	$c\ ^2G_{3\frac{1}{2}}$—$x\ ^2F^\circ_{2\frac{1}{2}}$
3305. 59	5	30243. 08	$b\ ^2G_{4\frac{1}{2}}$—$y\ ^4H^\circ_{3\frac{1}{2}}$
3305. 244	8	30246. 25	$b\ ^2G_{3\frac{1}{2}}$—$y\ ^4F^\circ_{2\frac{1}{2}}$
3304. 86	1	30249. 76	
3304. 515	10	30252. 92	$b\ ^2H_{4\frac{1}{2}}$—$y\ ^4H^\circ_{3\frac{1}{2}}$
3303. 967	8	30257. 94	$a\ ^4P_{0\frac{1}{2}}$—$z\ ^6F^\circ_{1\frac{1}{2}}$
3303. 52	7	30262. 03	$b\ ^2F_{2\frac{1}{2}}$—$y\ ^4D^\circ_{1\frac{1}{2}}$
3302. 685	18*Z*	30269. 67	$c\ ^2G_{4\frac{1}{2}}$—$w\ ^4F^\circ_{3\frac{1}{2}}$
3301. 574	4	30279. 86	
3301. 24	2	30282. 93	
3300. 984	3	30285. 28	$a\ ^4D_{3\frac{1}{2}}$—$z\ ^6F^\circ_{3\frac{1}{2}}$
3300. 570	15*Z*	30289. 08	$b\ ^2I_{5\frac{1}{2}}$—$y\ ^2G^\circ_{4\frac{1}{2}}$
3299. 592	10*Z*	30298. 05	$c\ ^4D_{2\frac{1}{2}}$—$x\ ^4F^\circ_{2\frac{1}{2}}$
3299. 347	10	30300. 30	
3298. 834	6*l*	30305. 01	
3298. 693	6*s*	30306. 31	$b\ ^2D_{1\frac{1}{2}}$—$y\ ^4F^\circ_{2\frac{1}{2}}$
3297. 677	60*Z*	30315. 65	$b\ ^4D_{0\frac{1}{2}}$—$z\ ^4D^\circ_{1\frac{1}{2}}$
3296. 592	40	30325. 62	$b\ ^2I_{6\frac{1}{2}}$—$y\ ^2H^\circ_{5\frac{1}{2}}$
3296. 57	50*Z*	30325. 83	$b\ ^4P_{2\frac{1}{2}}$—$y\ ^4D^\circ_{2\frac{1}{2}}$
3296. 238	12*Z*	30328. 88	$c\ ^2G_{3\frac{1}{2}}$—$x\ ^2G^\circ_{3\frac{1}{2}}$
3296. 10	5	30330. 15	
3295. 759	12*Z*	30333. 29	$c\ ^4D_{2\frac{1}{2}}$—$x\ ^4F^\circ_{3\frac{1}{2}}$
3295. 61	1	30334. 66	
3294. 39	1	30345. 89	
3294. 04	1	30349. 12	
3293. 956	2	30349. 89	
3292. 964	12*Z*	30359. 03	$b\ ^4F_{3\frac{1}{2}}$—$y\ ^4D^\circ_{2\frac{1}{2}}$
3292. 310	350*Z*	30365. 06	$b\ ^4D_{3\frac{1}{2}}$—$z\ ^4D^\circ_{3\frac{1}{2}}$
3292. 21	3	30365. 99	
3290. 82	20	30378. 84	$c\ ^2F_{2\frac{1}{2}}$—$w\ ^4D^\circ_{2\frac{1}{2}}$ $c\ ^4D_{1\frac{1}{2}}$—$x\ ^4F^\circ_{1\frac{1}{2}}$
3290. 70	40*Z*	30379. 92	$a\ ^2F_{2\frac{1}{2}}$—$z\ ^4D^\circ_{2\frac{1}{2}}$
3288. 86	1	30396. 91	
3287. 90	2*hl*	30405. 79	
3287. 20	25*Z*	30412. 27	$a\ ^4D_{0\frac{1}{2}}$—$z\ ^4P^\circ_{0\frac{1}{2}}$
3286. 48	3	30418. 93	$b\ ^2D_{2\frac{1}{2}}$—$y\ ^4H^\circ_{3\frac{1}{2}}$ $c\ ^2G_{4\frac{1}{2}}$—$y\ ^2I^\circ_{5\frac{1}{2}}$
3286. 265	10	30420. 92	
3286. 13	5	30422. 17	
3285. 89	5	30424. 39	$d\ ^2D_{1\frac{1}{2}}$—$x\ ^2P^\circ_{0\frac{1}{2}}$
3285. 595	6	30427. 12	$a\ ^2P_{0\frac{1}{2}}$—$x\ ^4D^\circ_{1\frac{1}{2}}$ $c\ ^2F_{2\frac{1}{2}}$—$w\ ^4D^\circ_{3\frac{1}{2}}$
3284. 595	75*Z*	30436. 38	$b\ ^4G_{2\frac{1}{2}}$—$z\ ^2G^\circ_{3\frac{1}{2}}$
3284. 087	1	30441. 09	
3283. 73	3*d*?	30444. 40	$b\ ^4F_{4\frac{1}{2}}$—$z\ ^4G^\circ_{3\frac{1}{2}}$
3283. 240	4	30448. 94	$a\ ^4P_{1\frac{1}{2}}$—$z\ ^6F^\circ_{1\frac{1}{2}}$
3282. 892	60*Z*	30452. 17	$b\ ^2H_{4\frac{1}{2}}$—$y\ ^4H^\circ_{3\frac{1}{2}}$
3282. 454	6	30456. 24	$b\ ^4P_{2\frac{1}{2}}$—$z\ ^4G^\circ_{3\frac{1}{2}}$
3281. 84	1	30461. 93	
3281. 596	12	30464. 20	$b\ ^4F_{1\frac{1}{2}}$—$y\ ^4D^\circ_{2\frac{1}{2}}$
3280. 862	12	30471. 01	$b\ ^4F_{2\frac{1}{2}}$—$y\ ^4D^\circ_{3\frac{1}{2}}$
3279. 690	7	30481. 90	$b\ ^2F_{3\frac{1}{2}}$—$z\ ^4H^\circ_{3\frac{1}{2}}$
3279. 196	20	30486. 49	$c\ ^2D_{1\frac{1}{2}}$—$w\ ^2F^\circ_{3\frac{1}{2}}$
3278. 95	15	30488. 78	$b\ ^4G_{4\frac{1}{2}}$—$y\ ^4D^\circ_{3\frac{1}{2}}$
3278. 86	50*Z*	30489. 62	$b\ ^4F_{3\frac{1}{2}}$—$z\ ^4G^\circ_{3\frac{1}{2}}$
3278. 05	8*Z*	30497. 13	$d\ ^2D_{1\frac{1}{2}}$—$w^2D^\circ_{1\frac{1}{2}}$
3277. 87	1	30498. 83	
3277. 58	1	30501. 52	
3276. 322	125*Z*	30513. 24	$b\ ^2D_{2\frac{1}{2}}$—$y\ ^4F^\circ_{2\frac{1}{2}}$ $b\ ^4P_{1\frac{1}{2}}$—$y\ ^4D^\circ_{1\frac{1}{2}}$
3274. 620	50	30529. 09	$b\ ^2G_{4\frac{1}{2}}$—$y\ ^4F^\circ_{4\frac{1}{2}}$ $b\ ^2H_{5\frac{1}{2}}$—$z\ ^2H^\circ_{3\frac{1}{2}}$
3274. 185	4	30533. 15	$b\ ^4G_{5\frac{1}{2}}$—$z\ ^4I^\circ_{5\frac{1}{2}}$
3273. 573	10*Z*	30538. 86	$b\ ^2H_{5\frac{1}{2}}$—$y\ ^4H^\circ_{5\frac{1}{2}}$
3272. 372	15*Z*	30550. 07	$a\ ^4F_{1\frac{1}{2}}$—$z\ ^4D^\circ_{1\frac{1}{2}}$
3271. 659	200*Z*	30556. 72	$b\ ^4D_{1\frac{1}{2}}$—$z\ ^4D^\circ_{2\frac{1}{2}}$
3270. 30	1*l*	30569. 42	$a\ ^2H_{5\frac{1}{2}}$—$z\ ^4H^\circ_{4\frac{1}{2}}$
3270. 14	2	30570. 92	
3268. 970	22*Z*	30581. 86	$b\ ^4G_{5\frac{1}{2}}$—$z\ ^2G^\circ_{4\frac{1}{2}}$
3267. 625	100*Z*	30594. 45	$b\ ^4D_{2\frac{1}{2}}$—$z\ ^4D^\circ_{3\frac{1}{2}}$
3266. 867	100*Z*	30601. 55	$b\ ^4F_{2\frac{1}{2}}$—$z\ ^4G^\circ_{3\frac{1}{2}}$
3265. 14	5	30617. 76	$d\ ^2D_{2\frac{1}{2}}$—$w\ ^2D^\circ_{1\frac{1}{2}}$
3264. 79	7	30621. 01	$c\ ^2G_{3\frac{1}{2}}$—$x\ ^2G^\circ_{4\frac{1}{2}}$
3264. 66	7	30622. 23	$b\ ^2G_{4\frac{1}{2}}$—$z\ ^2F^\circ_{3\frac{1}{2}}$
3264. 13	1	30627. 20	
3263. 60	1	30632. 18	
3262. 482	15	30642. 67	$c\ ^4D_{1\frac{1}{2}}$—$x\ ^4F^\circ_{2\frac{1}{2}}$
3262. 164	30*Z*	30645. 66	$b\ ^4F_{4\frac{1}{2}}$—$z\ ^4I^\circ_{4\frac{1}{2}}$
3261. 69	5	30650. 11	$c\ ^2F_{3\frac{1}{2}}$—$x\ ^2F^\circ_{3\frac{1}{2}}$
3261. 30	2	30653. 78	$c\ ^4D_{3\frac{1}{2}}$—$x\ ^4F^\circ_{3\frac{1}{2}}$
3259. 664	4	30669. 16	

TABLE 1. *Wavelengths and term combinations of* Mo II—Continued

Wavelength λ_{air}	Intensity	Wave No.	Term combination
3258. 990	8	30675. 51	
3258. 676	50*Z*	30678. 46	$a\ ^4D_{2\frac{1}{2}}$—$z\ ^4P^\circ_{1\frac{1}{2}}$
3257. 370	10*Z*	30690. 76	$b\ ^4F_{3\frac{1}{2}}$—$z\ ^4I^\circ_{4\frac{1}{2}}$
3256. 81	2	30696. 04	
3255. 69	1	30706. 60	$a\ ^2F_{3\frac{1}{2}}$—$z\ ^4D^\circ_{2\frac{1}{2}}$
3255. 62	1	30707. 26	
3255. 236	40*Z*	30710. 88	$b\ ^4G_{4\frac{1}{2}}$—$z\ ^4I^\circ_{5\frac{1}{2}}$
3254. 680	75*Z*	30716. 13	$b\ ^4P_{0\frac{1}{2}}$—$y\ ^4D^\circ_{0\frac{1}{2}}$
3253. 733	85*Z*	30725. 07	$b\ ^2H_{5\frac{1}{2}}$—$x\ ^4F^\circ_{4\frac{1}{2}}$ $b\ ^4G_{5\frac{1}{2}}$—$z\ ^4G^\circ_{5\frac{1}{2}}$
3253. 34	1	30728. 78	
3253. 17	2	30730. 38	$b\ ^2G_{3\frac{1}{2}}$—$z\ ^2F^\circ_{3\frac{1}{2}}$
3253. 04	1	30731. 61	
3252. 335	20*Z*	30738. 27	$b\ ^2H_{4\frac{1}{2}}$—$y\ ^4F^\circ_{4\frac{1}{2}}$
3251. 25	1	30748. 53	$c\ ^2G_{3\frac{1}{2}}$—$w\ ^4F^\circ_{3\frac{1}{2}}$
3250. 745	100*Z*	30753. 31	$a\ ^4F_{2\frac{1}{2}}$—$z\ ^4D^\circ_{1\frac{1}{2}}$
3250. 075	10	30759. 65	$b\ ^4G_{4\frac{1}{2}}$—$z\ ^2G^\circ_{4\frac{1}{2}}$
3249. 66	1	30763. 57	
3248. 225	20	30777. 16	$c\ ^4D_{3\frac{1}{2}}$—$x\ ^4F^\circ_{3\frac{1}{2}}$
3247. 994	5	30779. 35	$d\ ^2F_{2\frac{1}{2}}$—$u\ ^2F^\circ_{2\frac{1}{2}}$
3247. 258	6	30786. 33	$b\ ^2F_{3\frac{1}{2}}$—$z\ ^4H^\circ_{4\frac{1}{2}}$
3246. 34	2*hl*	30795. 06	
3245. 787	12	30800. 28	$c\ ^2D_{2\frac{1}{2}}$—$x\ ^2D^\circ_{2\frac{1}{2}}$
3244. 82	2*h*	30809. 46	
3244. 14	1*hs*	30815. 92	
3243. 964	2	30817. 59	$b\ ^2D_{1\frac{1}{2}}$—$x\ ^4F^\circ_{1\frac{1}{2}}$
3243. 50	1*h*	30822. 00	
3243. 185	20*Z*	30824. 99	$c\ ^2D_{2\frac{1}{2}}$—$x\ ^2D^\circ_{1\frac{1}{2}}$
3242. 81	3	30828. 56	
3242. 511	5	30831. 40	$b\ ^2H_{4\frac{1}{2}}$—$z\ ^2F^\circ_{3\frac{1}{2}}$
3241. 962	6	30836. 62	
3241. 408	2	30841. 89	
3240. 723	100*Z*	30848. 41	$a\ ^4D_{1\frac{1}{2}}$—$z\ ^4P^\circ_{1\frac{1}{2}}$
3240. 169	2	30853. 68	$a\ ^2P_{1\frac{1}{2}}$—$y\ ^2F^\circ_{2\frac{1}{2}}$
3240. 04	1*e*	30854. 91	
3239. 19	5	30863. 01	$d\ ^2G_{3\frac{1}{2}}$—$v\ ^2F^\circ_{3\frac{1}{2}}$
3238. 92	4	30865. 58	
3238. 81	3	30866. 63	
3238. 504	6	30869. 54	$c\ ^4D_{1\frac{1}{2}}$—$z\ ^2F^\circ_{2\frac{1}{2}}$
3238. 400	20*Z*	30870. 54	$a\ ^2F_{2\frac{1}{2}}$—$z\ ^4D^\circ_{3\frac{1}{2}}$
3237. 840	20*Z*	30875. 88	$b\ ^2G_{4\frac{1}{2}}$—$z\ ^2H^\circ_{4\frac{1}{2}}$
3237. 317	1	30880. 86	$c\ ^4D_{2\frac{1}{2}}$—$z\ ^4S^\circ_{1\frac{1}{2}}$
3236. 824	6	30885. 57	$b\ ^2G_{4\frac{1}{2}}$—$y\ ^4H^\circ_{5\frac{1}{2}}$
3236. 14	4	30892. 09	$c\ ^2G_{3\frac{1}{2}}$—$w\ ^4F^\circ_{4\frac{1}{2}}$
3235. 38	20*Z*	30899. 35	$b\ ^4P_{1\frac{1}{2}}$—$z\ ^2S^\circ_{0\frac{1}{2}}$
3235. 015	25*Z*	30902. 84	$b\ ^4G_{4\frac{1}{2}}$—$z\ ^4G^\circ_{5\frac{1}{2}}$
3234. 51	2*h*	30907. 66	
3234. 48	6	30907. 95	
3233. 75	10	30914. 92	$a\ ^4P_{1\frac{1}{2}}$—$z\ ^6F^\circ_{2\frac{1}{2}}$
3232. 924	5	30922. 82	$a\ ^4P_{2\frac{1}{2}}$—$z\ ^6F^\circ_{3\frac{1}{2}}$
3231. 79	1	30933. 67	
3230. 898	8*Z*	30942. 21	$d\ ^2D_{1\frac{1}{2}}$—$v\ ^2F^\circ_{2\frac{1}{2}}$
3230. 222	5	30948. 72	$b\ ^2G_{4\frac{1}{2}}$—$x\ ^4F^\circ_{3\frac{1}{2}}$ $a\ ^4G_{2\frac{1}{2}}$—$z\ ^6F^\circ_{1\frac{1}{2}}$
3229. 940	12	30951. 39	
3229. 681	35*Z*	30953. 87	$b\ ^4G_{3\frac{1}{2}}$—$z\ ^2G^\circ_{4\frac{1}{2}}$
3229. 360	6	30956. 95	$b\ ^4F_{1\frac{1}{2}}$—$z\ ^2D^\circ_{1\frac{1}{2}}$
3228. 07	1	30969. 32	
3227. 82	4	30971. 72	$c\ ^2F_{3\frac{1}{2}}$—$x\ ^4P^\circ_{2\frac{1}{2}}$
3227. 68	3	30973. 06	$b\ ^4G_{3\frac{1}{2}}$—$z\ ^2D^\circ_{2\frac{1}{2}}$
3227. 455	6	30975. 22	
3227. 19	5	30977. 77	
3226. 702	4	30982. 45	$c\ ^4D_{2\frac{1}{2}}$—$y\ ^2G^\circ_{3\frac{1}{2}}$
3226. 560	20*Z*	30983. 81	$b\ ^2G_{3\frac{1}{2}}$—$z\ ^2H^\circ_{4\frac{1}{2}}$
3226. 39	2	30985. 45	$b\ ^2I_{5\frac{1}{2}}$—$x\ ^4G^\circ_{4\frac{1}{2}}$
3225. 75	6*w*, *Z*	30991. 62	
3225. 21	1	30996. 78	$b\ ^2D_{2\frac{1}{2}}$—$z\ ^2F^\circ_{3\frac{1}{2}}$
3224. 557	20*Z*	31003. 06	$b\ ^4G_{2\frac{1}{2}}$—$y\ ^4D^\circ_{3\frac{1}{2}}$
3222. 907	45*Z*	31018. 93	$c\ ^2F_{3\frac{1}{2}}$—$x\ ^2G^\circ_{3\frac{1}{2}}$
3222. 272	8	31025. 04	$a\ ^2P_{1\frac{1}{2}}$—$y\ ^2D^\circ_{1\frac{1}{2}}$
3219. 407	10*Z*	31052. 65	$a\ ^4D_{3\frac{1}{2}}$—$z\ ^6F^\circ_{4\frac{1}{2}}$
3218. 96	2*e*	31056. 96	$b\ ^2G_{3\frac{1}{2}}$—$x\ ^4F^\circ_{3\frac{1}{2}}$
3218. 350	15*Z*	31062. 85	$d\ ^2D_{2\frac{1}{2}}$—$v\ ^2F^\circ_{2\frac{1}{2}}$
3217. 67	5*wh*	31068. 87	
3217. 42	3	31071. 83	$b\ ^2G_{4\frac{1}{2}}$—$x\ ^4F^\circ_{4\frac{1}{2}}$
3216. 067	100*Z*	31084. 90	$b\ ^2H_{4\frac{1}{2}}$—$z\ ^2H^\circ_{4\frac{1}{2}}$
3215. 68	1	31088. 64	
3214. 39	90*Z*	31101. 12	$b\ ^4F_{4\frac{1}{2}}$—$z\ ^2G^\circ_{3\frac{1}{2}}$
3213. 134	25*Z*	31113. 27	$b\ ^4P_{2\frac{1}{2}}$—$z\ ^2G^\circ_{3\frac{1}{2}}$
3211. 967	20*Z*	31124. 58	$d\ ^2F_{2\frac{1}{2}}$—$u\ ^2F^\circ_{3\frac{1}{2}}$
3210. 96	15*Z*	31134. 37	$a\ ^2H_{5\frac{1}{2}}$—$z\ ^4H^\circ_{5\frac{1}{2}}$
3209. 717	20*Z*	31146. 40	$b\ ^4F_{3\frac{1}{2}}$—$z\ ^2G^\circ_{3\frac{1}{2}}$
3209. 22	1	31151. 22	
3208. 68	2	31156. 46	
3208. 556	4	31157. 67	$b\ ^2H_{4\frac{1}{2}}$—$x\ ^4F^\circ_{3\frac{1}{2}}$
3207. 31	3*l*	31169. 77	
3207. 19	8*Z*	31170. 96	
3206. 818	8*Z*	31174. 55	$b\ ^2F_{2\frac{1}{2}}$—$z\ ^4G^\circ_{2\frac{1}{2}}$
3206. 26	7	31179. 98	$b\ ^2G_{3\frac{1}{2}}$—$x\ ^4F^\circ_{4\frac{1}{2}}$
3204. 930	50*Z*	31192. 92	$b\ ^4F_{4\frac{1}{2}}$—$z\ ^4G^\circ_{4\frac{1}{2}}$
3204. 47	1*d*?	31197. 39	$a\ ^2F_{3\frac{1}{2}}$—$z\ ^4D^\circ_{3\frac{1}{2}}$
3202. 13	2	31220. 19	
3202. 04	6	31221. 07	
3201. 94	4*hl*	31222. 04	
3201. 503	40*Z*	31226. 30	$a\ ^4D_{0\frac{1}{2}}$—$z\ ^4P^\circ_{1\frac{1}{2}}$
3200. 295	45*Z*	31238. 09	$b\ ^4F_{3\frac{1}{2}}$—$z\ ^4G^\circ_{4\frac{1}{2}}$
3199. 244	15*Z*	31248. 35	$b\ ^2G_{3\frac{1}{2}}$—$z\ ^2F^\circ_{2\frac{1}{2}}$
3198. 409	20*Z*	31256. 51	$b\ ^4G_{5\frac{1}{2}}$—$z\ ^4I^\circ_{6\frac{1}{2}}$
3198. 22	3	31258. 36	$b\ ^4F_{2\frac{1}{2}}$—$z\ ^2G^\circ_{3\frac{1}{2}}$
3197. 82	1	31262. 27	
3196. 85	3*h*	31271. 75	
3196. 56	1*l*	31274. 59	$c\ ^2F_{3\frac{1}{2}}$—$u^4F^\circ_{2\frac{1}{2}}$
3196. 32	2	31276. 94	
3195. 86	15*Z*	31281. 44	$b\ ^2H_{4\frac{1}{2}}$—$x\ ^4F^\circ_{4\frac{1}{2}}$ $a\ ^4F_{2\frac{1}{2}}$—$z\ ^4D^\circ_{2\frac{1}{2}}$
3195. 64	2	31283. 59	$a\ ^4G_{3\frac{1}{2}}$—$z\ ^6F^\circ_{2\frac{1}{2}}$
3195. 234	10*Z*	31287. 57	$d\ ^2D_{1\frac{1}{2}}$—$u^2D^\circ_{2\frac{1}{2}}$
3194. 655	3	31293. 24	$b\ ^4G_{2\frac{1}{2}}$—$z\ ^2D^\circ_{2\frac{1}{2}}$
3194. 35	2	31296. 23	
3193. 83	3	31301. 32	
3193. 690	4	31302. 69	$c\ ^4D_{3\frac{1}{2}}$—$y\ ^2G^\circ_{3\frac{1}{2}}$
3193. 113	8*Z*	31308. 35	$b\ ^2D_{1\frac{1}{2}}$—$z\ ^2F^\circ_{2\frac{1}{2}}$
3192. 642	3	31312. 97	$a\ ^2P_{1\frac{1}{2}}$—$x\ ^4G^\circ_{2\frac{1}{2}}$
3192. 103	45*Z*	31318. 26	$a\ ^4P_{0\frac{1}{2}}$—$z\ ^4P^\circ_{0\frac{1}{2}}$
3189. 364	12*Z*	31345. 15	$b\ ^2S_{0\frac{1}{2}}$—$x\ ^2P^\circ_{1\frac{1}{2}}$
3188. 85	2*hlZ*	31350. 20	
3187. 592	75*Z*	31362. 57	$a\ ^4F_{3\frac{1}{2}}$—$z\ ^4D^\circ_{2\frac{1}{2}}$
3187. 22	1	31366. 23	
3186. 388	30*Z*	31374. 42	$a\ ^2D_{1\frac{1}{2}}$—$z\ ^4D^\circ_{0\frac{1}{2}}$
3185. 561	18*Z*	31382. 57	$d\ ^2F_{2\frac{1}{2}}$—$t\ ^2F^\circ_{3\frac{1}{2}}$
3185. 28	3	31385. 34	
3184. 69	2	31391. 15	$c\ ^4D_{2\frac{1}{2}}$—$y\ ^2F^\circ_{3\frac{1}{2}}$
3183. 41	15*Z*	31403. 77	$a\ ^4H_{4\frac{1}{2}}$—$z\ ^4H^\circ_{3\frac{1}{2}}$

TABLE 1. *Wavelengths and term combinations of* Mo II—Continued

Wavelength λ_{air}	Intensity	Wave No.	Term combination
3182. 960	30	31408. 21	$d\ ^2D_{2\frac{1}{2}}$—$w^2D^\circ_{2\frac{1}{2}}$
3181. 170	18*Z*	31425. 89	$b\ ^4P_{1\frac{1}{2}}$—$z\ ^4G^\circ_{2\frac{1}{2}}$
3180. 60	5*hl*	31431. 52	
3178. 89	5	31448. 42	
3177. 997	30*Z*	31457. 26	$a\ ^4H_{5\frac{1}{2}}$—$z\ ^4H^\circ_{4\frac{1}{2}}$
3176. 74	7	31469. 71	$c\ ^2D_{1\frac{1}{2}}$—$x\ ^2D^\circ_{2\frac{1}{2}}$
3176. 33	90*Z*	31473. 77	$b\ ^2H_{5\frac{1}{2}}$—$z\ ^2H^\circ_{5\frac{1}{2}}$
3175. 050	90*Z*	31486. 46	$a\ ^2G_{3\frac{1}{2}}$—$z\ ^4H^\circ_{3\frac{1}{2}}$
3174. 53	2	31491. 61	$d\ ^2F_{2\frac{1}{2}}$—$w^4G^\circ_{2\frac{1}{2}}$
3174. 233	20*Z*	31494. 56	$c\ ^2D_{1\frac{1}{2}}$—$x\ ^2D^\circ_{1\frac{1}{2}}$
3173. 760	18*wZ*	31499. 25	$d\ ^2F_{3\frac{1}{2}}$—$u\ ^2F^\circ_{3\frac{1}{2}}$
3172. 85	10*w*	31508. 29	
3172. 745	90	31509. 33	$a\ ^4P_{1\frac{1}{2}}$—$z\ ^4P^\circ_{0\frac{1}{2}}$
3172. 300	35	31513. 75	$b\ ^2H_{5\frac{1}{2}}$—$y\ ^4H^\circ_{6\frac{1}{2}}$
3172. 030	75	31516. 43	$a\ ^4D_{2\frac{1}{2}}$—$z\ ^4P^\circ_{2\frac{1}{2}}$
3169. 934	30	31537. 27	$b\ ^4P_{0\frac{1}{2}}$—$y\ ^4D^\circ_{1\frac{1}{2}}$
3169. 580	10	31540. 79	$a\ ^4P_{2\frac{1}{2}}$—$z\ ^6F^\circ_{3\frac{1}{2}}$
3169. 44	2*w*	31542. 19	
3169. 02	2*w*	31546. 37	
3168. 730	10*Z*	31549. 25	$c\ ^4D_{0\frac{1}{2}}$—$y\ ^2D^\circ_{1\frac{1}{2}}$
3167. 727	20*Z*	31559. 24	$d\ ^2F_{2\frac{1}{2}}$—$t\ ^2F^\circ_{2\frac{1}{2}}$
3167. 17	2*w*	31564. 79	
3167. 017	20*Z*	31566. 32	
3166. 31	2*hl*	31573. 37	
3166. 19	3*w*	31574. 56	$c\ ^4D_{2\frac{1}{2}}$—$y\ ^2D^\circ_{1\frac{1}{2}}$
3165. 58	1	31580. 65	
3165. 42	3*w*	31582. 24	$c\ ^2F_{3\frac{1}{2}}$—$w^4F^\circ_{4\frac{1}{2}}$
3163. 89	8*Z*	31597. 51	
3163. 87	7	31597. 71	$b\ ^2G_{4\frac{1}{2}}$—$y\ ^2G^\circ_{3\frac{1}{2}}$
3162. 56	8	31610. 80	$d\ ^2D_{2\frac{1}{2}}$—$v\ ^2F^\circ_{3\frac{1}{2}}$
3161. 32	2*w*	31623. 20	
3161. 12	8*wlZ*	31625. 20	
3160. 106	10*w*	31635. 35	
3159. 34	10*Z*	31643. 05	$b\ ^2F_{3\frac{1}{2}}$—$z\ ^4G^\circ_{2\frac{1}{2}}$
3159. 205	25	31644. 37	$b\ ^2I_{6\frac{1}{2}}$—$x\ ^4G^\circ_{5\frac{1}{2}}$
3158. 950	18	31646. 93	$a\ ^4H_{6\frac{1}{2}}$—$z\ ^4H^\circ_{5\frac{1}{2}}$
3157. 66	3	31659. 85	
3157. 327	20*Z*	31663. 19	$a\ ^2P_{1\frac{1}{2}}$—$y\ ^2D^\circ_{2\frac{1}{2}}$
3156. 848	40*Z*	31668. 00	$b\ ^4F_{4\frac{1}{2}}$—$y\ ^4D^\circ_{3\frac{1}{2}}$
3156. 34	4	31673. 09	$b\ ^2S_{0\frac{1}{2}}$—$w^2P^\circ_{0\frac{1}{2}}$
3155. 951	12	31677. 00	$d\ ^2D_{1\frac{1}{2}}$—$x\ ^2P^\circ_{1\frac{1}{2}}$
3155. 655	50*Z*	31679. 97	$b\ ^4P_{2\frac{1}{2}}$—$y\ ^4D^\circ_{3\frac{1}{2}}$
3155. 50	7*w*	31681. 52	$b\ ^2H_{5\frac{1}{2}}$—$y\ ^2H^\circ_{4\frac{1}{2}}$
3155. 008	12*dZ*	31686. 46	$a\ ^4D_{1\frac{1}{2}}$—$z\ ^4P^\circ_{2\frac{1}{2}}$
3154. 52	3	31691. 37	
3154. 00	2*w*	31696. 59	$a\ ^4D_{2\frac{1}{2}}$—$z\ ^6P^\circ_{1\frac{1}{2}}$
3153. 06	3	31706. 07	$b\ ^2G_{3\frac{1}{2}}$—$y\ ^2G^\circ_{3\frac{1}{2}}$
3152. 825	150*Z*	31708. 40	$a\ ^4H_{4\frac{1}{2}}$—$z\ ^4H^\circ_{4\frac{1}{2}}$
3152. 344	8	31713. 24	$b\ ^4F_{3\frac{1}{2}}$—$y\ ^4D^\circ_{3\frac{1}{2}}$
3151. 637	100*Z*	31720. 35	$b\ ^4P_{1\frac{1}{2}}$—$y\ ^4D^\circ_{2\frac{1}{2}}$
3150. 354	8*Z*	31733. 27	$c\ ^4D_{3\frac{1}{2}}$—$y\ ^2H^\circ_{4\frac{1}{2}}$
3148. 920	2*w*	31747. 73	$c\ ^4D_{1\frac{1}{2}}$—$y\ ^2F^\circ_{2\frac{1}{2}}$
3148. 69	5	31750. 04	
3148. 36	6	31753. 37	$a\ ^2H_{4\frac{1}{2}}$—$z\ ^4G^\circ_{3\frac{1}{2}}$
3148. 303	8*Z*	31753. 95	
3147. 975	25	31757. 26	$d\ ^2F_{3\frac{1}{2}}$—$t\ ^2F^\circ_{3\frac{1}{2}}$ $b\ ^4G_{2\frac{1}{2}}$—$y\ ^4P^\circ_{1\frac{1}{2}}$
3146. 47	2*wl*	31772. 44	$a\ ^4F_{2\frac{1}{2}}$—$z\ ^4D^\circ_{3\frac{1}{2}}$
3145. 743	20*Z*	31779. 79	$a\ ^2P_{0\frac{1}{2}}$—$x\ ^4F^\circ_{1\frac{1}{2}}$
3144. 616	22*Z*	31791. 18	$a\ ^2G_{3\frac{1}{2}}$—$z\ ^4H^\circ_{4\frac{1}{2}}$
3143. 313	4*Z*	31804. 35	$a\ ^4G_{4\frac{1}{2}}$—$z\ ^6F^\circ_{3\frac{1}{2}}$
3143. 058	70*Z*	31806. 93	$b\ ^2H_{4\frac{1}{2}}$—$y\ ^2G^\circ_{3\frac{1}{2}}$
3141. 729	95*Z*	31820. 39	$b\ ^2G_{4\frac{1}{2}}$—$z\ ^2H^\circ_{5\frac{1}{2}}$
3141. 405	75*Z*	31823. 67	$a\ ^2D_{1\frac{1}{2}}$—$z\ ^4D^\circ_{1\frac{1}{2}}$ $a\ ^2G_{4\frac{1}{2}}$—$z\ ^4H^\circ_{3\frac{1}{2}}$ $b\ ^2H_{5\frac{1}{2}}$—$y\ ^2H^\circ_{5\frac{1}{2}}$
3139. 403	6*Z*	31843. 96	
3138. 727	100*Z*	31850. 82	$a\ ^4H_{3\frac{1}{2}}$—$z\ ^4H^\circ_{3\frac{1}{2}}$
3138. 48	10*Z*	31853. 33	$a\ ^4F_{3\frac{1}{2}}$—$z\ ^4D^\circ_{3\frac{1}{2}}$
3138. 22	2	31855. 97	
3137. 57	3	31862. 57	$c\ ^4D_{2\frac{1}{2}}$—$x\ ^4G_{2\frac{1}{2}}$
3137. 313	6*w*	31865. 18	$a\ ^2H_{5\frac{1}{2}}$—$z\ ^4H_{6\frac{1}{2}}$
3137. 17	5	31866. 63	$a\ ^4D_{1\frac{1}{2}}$—$z\ ^6P^\circ_{1\frac{1}{2}}$ $d\ ^2F_{3\frac{1}{2}}$—$w^4G^\circ_{2\frac{1}{2}}$
3136. 466	100*Z*	31873. 78	$a\ ^4F_{4\frac{1}{2}}$—$z\ ^4D^\circ_{3\frac{1}{2}}$
3135. 56	2*w*	31882. 99	
3134. 86	5	31890. 11	$b\ ^4F_{4\frac{1}{2}}$—$z\ ^4I^\circ_{5\frac{1}{2}}$
3133. 74	4*w*	31901. 51	$a\ ^4G_{3\frac{1}{2}}$—$z\ ^6F^\circ_{3\frac{1}{2}}$
3132. 54	25	31913. 76	$a\ ^4D_{3\frac{1}{2}}$—$z\ ^4P^\circ_{2\frac{1}{2}}$
3131. 22	4*w*	31927. 18	
3130. 180	6	31937. 79	$b\ ^2F_{3\frac{1}{2}}$—$y\ ^4D^\circ_{2\frac{1}{2}}$
3130. 057	22*Z*	31939. 04	$b\ ^4F_{4\frac{1}{2}}$—$z\ ^2G^\circ_{4\frac{1}{2}}$
3129. 47	2*wl*	31945. 03	
3128. 549	10	31954. 44	$a\ ^2P_{1\frac{1}{2}}$—$w^4D^\circ_{0\frac{1}{2}}$
3127. 817	25*Z*	31961. 92	$b\ ^2F_{2\frac{1}{2}}$—$z\ ^2D^\circ_{1\frac{1}{2}}$ $c\ ^4D_{2\frac{1}{2}}$— (3)$^\circ_{3\frac{1}{2}}$
3126. 99	2	31970. 37	$b\ ^4P_{2\frac{1}{2}}$—$z\ ^2D^\circ_{2\frac{1}{2}}$
3126. 780	15*Z*	31972. 52	$b\ ^2D_{2\frac{1}{2}}$—$y\ ^2G^\circ_{3\frac{1}{2}}$
3126. 318	7*wZ*	31977. 24	$d\ ^2G_{3\frac{1}{2}}$—$u\ ^2F^\circ_{2\frac{1}{2}}$
3126. 13	1	31979. 16	
3126. 025	10*Z*	31980. 24	$a\ ^2P_{1\frac{1}{2}}$—$w^4D^\circ_{1\frac{1}{2}}$
3125. 64	10	31984. 18	$b\ ^4F_{3\frac{1}{2}}$—$z\ ^2G^\circ_{4\frac{1}{2}}$
3125. 10	2*w*	31989. 70	
3124. 893	6*wZ*	31991. 82	
3124. 206	20*Z*	31998. 86	
3123. 991	15*wZ*	32001. 06	
3123. 46	50*Z*	32006. 50	$b\ ^2G_{4\frac{1}{2}}$—$y\ ^2F^\circ_{3\frac{1}{2}}$
3122. 36	2*ws*	32017. 77	
3122. 003	250*Z*	32021. 43	$a\ ^4H_{5\frac{1}{2}}$—$z\ ^4H^\circ_{5\frac{1}{2}}$
3121. 61	2*ws*	32025. 47	
3121. 344	8	32028. 19	$b\ ^2G_{4\frac{1}{2}}$—$y\ ^2H^\circ_{4\frac{1}{2}}$
3121. 225	15*Z*	32029. 42	$b\ ^2H_{4\frac{1}{2}}$—$z\ ^2H^\circ_{5\frac{1}{2}}$
3120. 92	2	32032. 55	$a\ ^4G_{2\frac{1}{2}}$—$z\ ^6F^\circ_{3\frac{1}{2}}$
3119. 44	20*Z*	32047. 74	$c\ ^2G_{4\frac{1}{2}}$—$w^2F^\circ_{3\frac{1}{2}}$ $b\ ^4G_{2\frac{1}{2}}$—$z\ ^2P^\circ_{1\frac{1}{2}}$
3118. 944	10*Z*	32052. 84	$a\ ^2H_{5\frac{1}{2}}$—$z\ ^4I^\circ_{4\frac{1}{2}}$
3117. 466	18*Z*	32068. 03	$b\ ^2F_{3\frac{1}{2}}$—$z\ ^4G^\circ_{3\frac{1}{2}}$
3116. 100	300*Z*	32082. 09	$b\ ^4F_{4\frac{1}{2}}$—$z\ ^4G^\circ_{5\frac{1}{2}}$
3114. 964	25*Z*	32093. 79	$b\ ^2H_{5\frac{1}{2}}$—$y\ ^2G^\circ_{4\frac{1}{2}}$
3113. 520	8	32108. 68	$b\ ^4F_{1\frac{1}{2}}$—$z\ ^2D^\circ_{2\frac{1}{2}}$
3112. 95	3*w*	32114. 55	$b\ ^2G_{3\frac{1}{2}}$—$y\ ^2F^\circ_{3\frac{1}{2}}$
3112. 85	3*h*	32115. 59	$b\ ^4F_{2\frac{1}{2}}$—$z\ ^2D^\circ_{2\frac{1}{2}}$
3112. 48	1	32119. 40	
3112. 22	4	32122. 09	
3111. 650	50*Z*	32127. 97	$a\ ^2G_{4\frac{1}{2}}$—$z\ ^4H^\circ_{4\frac{1}{2}}$
3111. 234	15*Z*	32132. 27	$a\ ^4P_{0\frac{1}{2}}$—$z\ ^4P^\circ_{1\frac{1}{2}}$
3110. 846	75	32136. 27	$a\ ^4D_{2\frac{1}{2}}$—$z\ ^6P^\circ_{3\frac{1}{2}}$ $b\ ^2G_{3\frac{1}{2}}$—$y\ ^2H^\circ_{4\frac{1}{2}}$
3108. 987	20*Z*	32155. 49	$a\ ^4H_{3\frac{1}{2}}$—$z\ ^4H^\circ_{4\frac{1}{2}}$
3108. 60	2*w*	32159. 49	
3107. 549	30*Z*	32170. 37	$b\ ^2G_{4\frac{1}{2}}$—$y\ ^2H^\circ_{5\frac{1}{2}}$
3106. 945	10*Z*	32176. 62	$b\ ^2S_{0\frac{1}{2}}$—$w\ ^2P^\circ_{1\frac{1}{2}}$

TABLE 1. *Wavelengths and term combinations of* Mo II—Continued

Wavelength λ_{air}	Intensity	Wave No.	Term combination
3106. 246	6*Z*	32183. 86	$a\ ^2S_{0\frac{1}{2}}$—$y\ ^4P^\circ_{0\frac{1}{2}}$
3106. 15	2*w*	32184. 86	$d\ ^2G_{4\frac{1}{2}}$—$u\ ^2F^\circ_{3\frac{1}{2}}$
3105. 99	2*w*	32186. 51	$b\ ^2D_{1\frac{1}{2}}$—$y\ ^2F^\circ_{2\frac{1}{2}}$
3105. 67	1*w*	32189. 83	
3105. 12	2*hl*	32195. 56	
3104. 91	1	32197. 71	
3103. 468	20*Z*	32212. 67	$b\ ^4P_{1\frac{1}{2}}$—$z\ ^2D^\circ_{1\frac{1}{2}}$; $c\ ^4D_{2\frac{1}{2}}$—$y\ ^2D^\circ_{2\frac{1}{2}}$
3102. 73	1*w*	32220. 33	
3102. 49	1	32222. 82	
3102. 35	2	32224. 28	
3102. 13	4*wl*	32226. 56	
3101. 098	20*Z*	32237. 29	$b\ ^2H_{4\frac{1}{2}}$—$y\ ^2H^\circ_{4\frac{1}{2}}$
3100. 508	15*Z*	32243. 42	$a\ ^2D_{2\frac{1}{2}}$—$z\ ^4D^\circ_{1\frac{1}{2}}$
3100. 000	15*Z*	32248. 70	$a\ ^2P_{1\frac{1}{2}}$—$w\ ^4D^\circ_{2\frac{1}{2}}$
3099. 249	35*Z*	32256. 52	$b\ ^2F_{2\frac{1}{2}}$—$z\ ^2G^\circ_{3\frac{1}{2}}$
3098. 470	45*Z*	32264. 63	$a\ ^4D_{2\frac{1}{2}}$—$z\ ^6P^\circ_{2\frac{1}{2}}$
3098. 020	12*w*	32269. 31	$b\ ^2F_{3\frac{1}{2}}$—$z\ ^4I^\circ_{4\frac{1}{2}}$
3097. 694	40*Z*	32272. 71	$a\ ^4H_{4\frac{1}{2}}$—$z\ ^4H^\circ_{5\frac{1}{2}}$
3097. 20	2*ws*	32277. 86	$b\ ^4G_{4\frac{1}{2}}$—$x\ ^4D^\circ_{3\frac{1}{2}}$
3096. 86	2*w*	32281. 40	$c\ ^4D_{3\frac{1}{2}}$— (3)$^\circ_{3\frac{1}{2}}$
3096. 50	1	32285. 16	
3096. 14	2	32288. 91	
3095. 340	3*w*	32297. 25	
3095. 23	3*ws*	32298. 40	$c\ ^2G_{3\frac{1}{2}}$—$w\ ^2F^\circ_{2\frac{1}{2}}$
3094. 987	4*w*	32300. 94	
3093. 62	3*wl*	32315. 21	
3092. 950	10	32322. 21	$d\ ^2G_{3\frac{1}{2}}$—$u\ ^2F^\circ_{3\frac{1}{2}}$
3092. 850	7	32323. 26	$a\ ^4P_{1\frac{1}{2}}$—$z\ ^4P^\circ_{1\frac{1}{2}}$; $b\ ^4G_{3\frac{1}{2}}$—$x\ ^4D^\circ_{2\frac{1}{2}}$
3092. 092	150*Z*	32331. 18	$a\ ^4P_{2\frac{1}{2}}$—$z\ ^4P^\circ_{1\frac{1}{2}}$
3091. 541	5*wZ*	32336. 94	$b\ ^4G_{5\frac{1}{2}}$—$z\ ^2I^\circ_{5\frac{1}{2}}$
3090. 71	3*w*	32345. 63	
3090. 38	1	32349. 09	
3089. 520	10*wZ*	32358. 09	$b\ ^2D_{1\frac{1}{2}}$—$y\ ^2D^\circ_{1\frac{1}{2}}$
3088. 691	6*w*	32366. 78	
3088. 168	2*w*	32372. 26	
3087. 627	300*Z*	32377. 93	$a\ ^4H_{6\frac{1}{2}}$—$z\ ^4H^\circ_{6\frac{1}{2}}$
3087. 310	8	32381. 25	$b\ ^2D_{2\frac{1}{2}}$—$y\ ^2F^\circ_{3\frac{1}{2}}$
3086. 97	1*w*	32384. 82	
3086. 16	2*w*	32393. 32	$b\ ^2D_{2\frac{1}{2}}$—$y\ ^2F^\circ_{2\frac{1}{2}}$
3085. 35	1	32401. 82	
3085. 20	1*w*	32403. 40	
3084. 94	3	32406. 13	$b\ ^4G_{3\frac{1}{2}}$—$y\ ^4P^\circ_{2\frac{1}{2}}$
3084. 82	3*w*	32407. 39	
3084. 52	8*w*,*d*?*Z*	32410. 54	$a\ ^2H_{4\frac{1}{2}}$—$z\ ^2G^\circ_{3\frac{1}{2}}$
3083. 51	1	32421. 16	
3083. 26	1	32423. 79	
3082. 98	2	32426. 73	
3082. 224	60*Z*	32434. 68	$b\ ^4P_{2\frac{1}{2}}$—$y\ ^4P^\circ_{1\frac{1}{2}}$; $a\ ^4D_{1\frac{1}{2}}$—$z\ ^6P^\circ_{2\frac{1}{2}}$
3081. 660	20*Z*	32440. 62	$b\ ^2G_{4\frac{1}{2}}$—$y\ ^2G^\circ_{4\frac{1}{2}}$
3081. 08	2*wl*	32446. 73	
3078. 64	12*Z*	32472. 44	$b\ ^4G_{3\frac{1}{2}}$—$x\ ^4D^\circ_{3\frac{1}{2}}$
3078. 47	3	32474. 23	
3078. 051	10*Z*	32478. 65	$c\ ^4D_{0\frac{1}{2}}$—$w^4D^\circ_{0\frac{1}{2}}$
3077. 660	250*Z*	32482. 78	$b\ ^2I_{5\frac{1}{2}}$—$z\ ^2K^\circ_{6\frac{1}{2}}$
3075. 597	5*wZ*	32504. 57	$c\ ^4D_{0\frac{1}{2}}$—$w\ ^4D^\circ_{1\frac{1}{2}}$
3075. 40	3*w*	32506. 65	$a\ ^2S_{0\frac{1}{2}}$—$y\ ^4P^\circ_{1\frac{1}{2}}$
3075. 228	6*w*	32508. 47	$d\ ^2D_{1\frac{1}{2}}$—$w\ ^2P^\circ_{1\frac{1}{2}}$
3074. 635	15	32514. 74	$b\ ^4G_{4\frac{1}{2}}$—$z\ ^2I^\circ_{5\frac{1}{2}}$
3074. 37	20*Z*	32517. 57	
3073. 72	1*w*	32524. 42	
3073. 23	25	32529. 60	$c\ ^4D_{2\frac{1}{2}}$—$w\ ^4D^\circ_{1\frac{1}{2}}$
3072. 89	8*wZ*	32533. 20	$c\ ^4D_{3\frac{1}{2}}$—$y\ ^2D^\circ_{2\frac{1}{2}}$; $a\ ^4D_{3\frac{1}{2}}$—$z\ ^6P^\circ_{3\frac{1}{2}}$
3072. 413	3*w*	32538. 25	$c\ ^4D_{3\frac{1}{2}}$—$x\ ^4G^\circ_{3\frac{1}{2}}$
3071. 30	7*w*	32550. 04	$b\ ^4D_{3\frac{1}{2}}$—$z\ ^4H^\circ_{3\frac{1}{2}}$
3071. 05	4*w*	32552. 69	$a\ ^4G_{5\frac{1}{2}}$—$z\ ^6F^\circ_{4\frac{1}{2}}$
3070. 620	35*Z*	32557. 25	$c\ ^4D_{1\frac{1}{2}}$—$y\ ^2D^\circ_{2\frac{1}{2}}$
3069. 195	35*Z*	32572. 37	$c\ ^2D_{2\frac{1}{2}}$—$v\ ^2F^\circ_{2\frac{1}{2}}$; $c\ ^2G_{3\frac{1}{2}}$—$x\ ^2H^\circ_{4\frac{1}{2}}$
3068. 927	7*Z*	32575. 21	$b\ ^4G_{3\frac{1}{2}}$— (1)$^\circ_{2\frac{1}{2}}$
3068. 776	8*Z*	32576. 81	$b\ ^2G_{4\frac{1}{2}}$— (3)$^\circ_{3\frac{1}{2}}$
3068. 48	6*w*	32579. 96	$b\ ^4F_{2\frac{1}{2}}$—$y\ ^4P^\circ_{1\frac{1}{2}}$; $d\ ^2G_{3\frac{1}{2}}$—$t\ ^2F^\circ_{3\frac{1}{2}}$
3067. 92	2	32585. 90	$b\ ^2G_{3\frac{1}{2}}$—$x\ ^4G^\circ_{2\frac{1}{2}}$
3067. 642	65*Z*	32588. 86	$b\ ^4G_{5\frac{1}{2}}$—$z\ ^2I^\circ_{6\frac{1}{2}}$
3066. 58	4*w*	32600. 14	$a\ ^2H_{5\frac{1}{2}}$—$z\ ^4G^\circ_{4\frac{1}{2}}$
3066. 16	5	32604. 61	$d\ ^2D_{1\frac{1}{2}}$—$u\ ^2F^\circ_{2\frac{1}{2}}$
3065. 64	2*H*	32610. 14	
3065. 05	50	32616. 44	$c\ ^2G_{4\frac{1}{2}}$—$x\ ^2H^\circ_{5\frac{1}{2}}$
3064. 628	10	32620. 91	
3064. 11	2	32626. 42	$a\ ^2P_{0\frac{1}{2}}$—$z\ ^4S^\circ_{1\frac{1}{2}}$
3063. 86	4*w*	32629. 08	$d\ ^2D_{2\frac{1}{2}}$—$w\ ^2P^\circ_{1\frac{1}{2}}$
3063. 55	2	32632. 39	
3062. 57	2	32642. 83	$b\ ^4G_{2\frac{1}{2}}$—$x\ ^4D^\circ_{2\frac{1}{2}}$
3062. 29	6	32645. 81	$b\ ^2D_{1\frac{1}{2}}$—$x\ ^4G^\circ_{2\frac{1}{2}}$
3062. 105	8*Z*	32647. 78	$a\ ^2G_{3\frac{1}{2}}$—$z\ ^4G^\circ_{3\frac{1}{2}}$
3061. 936	7	32649. 58	$b\ ^2H_{4\frac{1}{2}}$—$y\ ^2G^\circ_{4\frac{1}{2}}$
3061. 29	5*w*	32656. 47	
3060. 93	12	32660. 31	$b\ ^4D_{1\frac{1}{2}}$—$y\ ^4D^\circ_{0\frac{1}{2}}$
3060. 782	30*Z*	32661. 89	$a\ ^4D_{3\frac{1}{2}}$—$z\ ^6P^\circ_{2\frac{1}{2}}$
3060. 026	15*Z*	32669. 96	$c\ ^2G_{3\frac{1}{2}}$—$w^2F^\circ_{3\frac{1}{2}}$
3059. 724	1	32673. 19	
3058. 61	7*wZ*	32685. 09	$b\ ^2G_{3\frac{1}{2}}$— (3)$^\circ_{3\frac{1}{2}}$
3058. 373	3*Z*	32687. 62	
3058. 16	3*w*	32689. 90	$d\ ^2G_{3\frac{1}{2}}$—$^4G^\circ_{2\frac{1}{2}}$
3057. 86	50*d*?*Z*	32693. 10	$a\ ^2G_{4\frac{1}{2}}$—$z\ ^4H^\circ_{5\frac{1}{2}}$; $d\ ^2F_{3\frac{1}{2}}$—$v\ ^2G^\circ_{4\frac{1}{2}}$
3056. 815	10*wZ*	32704. 28	$b\ ^4G_{4\frac{1}{2}}$—$y\ ^4G^\circ_{3\frac{1}{2}}$
3055. 64	5*w*	32716. 85	
3054. 94	10*wZ*	32724. 35	$b\ ^4P_{2\frac{1}{2}}$—$z\ ^2P^\circ_{1\frac{1}{2}}$
3054. 761	10*Z*	32726. 27	$b\ ^4G_{2\frac{1}{2}}$—$y\ ^4P^\circ_{2\frac{1}{2}}$
3053. 474	50*Z*	32740. 06	$b\ ^4G_{4\frac{1}{2}}$—$y\ ^4G^\circ_{4\frac{1}{2}}$
3052. 32	50*Z*	32752. 44	$a\ ^4H_{5\frac{1}{2}}$—$z\ ^4H^\circ_{6\frac{1}{2}}$
3050. 85	5*w*	32768. 22	
3050. 53	1	32771. 66	$a\ ^2D_{2\frac{1}{2}}$—$z\ ^4D^\circ_{2\frac{1}{2}}$
3050. 37	6*wZ*	32773. 37	
3050. 204	3*w*	32775. 16	$a\ ^4D_{1\frac{1}{2}}$—$z\ ^6D^\circ_{0\frac{1}{2}}$
3050. 04	2*w*	32776. 92	
3049. 56	2*H*	32782. 08	
3049. 20	8	32785. 95	$b\ ^2H_{4\frac{1}{2}}$— (3)$^\circ_{3\frac{1}{2}}$
3048. 888	50*Z*	32789. 31	$b\ ^2I_{6\frac{1}{2}}$—$z\ ^2K^\circ_{6\frac{1}{2}}$
3048. 80	12*Z*	32790. 25	$b\ ^2H_{5\frac{1}{2}}$—$x\ ^4G^\circ_{4\frac{1}{2}}$
3048. 308	10*Z*	32795. 54	$c\ ^2D_{1\frac{1}{2}}$—$w^2D^\circ_{1\frac{1}{2}}$
3048. 054	40*Z*	32798. 28	$c\ ^4D_{2\frac{1}{2}}$—$w^4D^\circ_{2\frac{1}{2}}$
3047. 50	5*w*	32804. 24	$b\ ^4G_{4\frac{1}{2}}$—$y\ ^4G^\circ_{3\frac{1}{2}}$
3046. 41	8*Z*	32815. 98	$b\ ^4G_{5\frac{1}{2}}$—$y\ ^4G^\circ_{3\frac{1}{2}}$
3045. 730	18*Z*	32823. 30	$b\ ^2F_{2\frac{1}{2}}$—$y\ ^4D^\circ_{3\frac{1}{2}}$; $a\ ^4G_{2\frac{1}{2}}$—$z\ ^4P^\circ_{1\frac{1}{2}}$
3044. 81	4	32833. 22	$b\ ^2G_{4\frac{1}{2}}$—$x\ ^4G^\circ_{3\frac{1}{2}}$
3044. 60	2*wl*	32835. 48	
3044. 24	1*wl*	32839. 37	

TABLE 1. *Wavelengths and term combinations of* Mo II—Continued

Wavelength λ_{air}	Intensity	Wave No.	Term combination
3043. 974	10	32842. 24	$\begin{cases} d\ {}^2F_{3\frac{1}{2}} - w\,{}^4G^\circ_{3\frac{1}{2}} \\ c\ {}^4D_{3\frac{1}{2}} - x\,{}^4G^\circ_{4\frac{1}{2}} \end{cases}$
3043. 438	30Z	32848. 02	$a\ {}^4D_{2\frac{1}{2}} - z\ {}^6D^\circ_{1\frac{1}{2}}$
3043. 38	10	32848. 65	$c\ {}^4D_{1\frac{1}{2}} - w\,{}^4D^\circ_{0\frac{1}{2}}$
3043. 09	8	32851. 78	$b\ {}^4G_{2\frac{1}{2}} - x\ {}^4D^\circ_{1\frac{1}{2}}$
3043. 01	5	32852. 64	$b\ {}^2D_{2\frac{1}{2}} - x\ {}^4G^\circ_{2\frac{1}{2}}$
3042. 41	2	32859. 12	
3042. 060	10	32862. 90	$b\ {}^4F_{1\frac{1}{2}} - z\ {}^2P^\circ_{1\frac{1}{2}}$
3041. 010	35	32874. 24	$c\ {}^4D_{1\frac{1}{2}} - w\,{}^4D^\circ_{1\frac{1}{2}}$
3040. 58	2w	32878. 89	
3039. 45	2	32891. 12	$b\ {}^4G_{4\frac{1}{2}} - y\ {}^4F^\circ_{3\frac{1}{2}}$
3039. 064	40Z	32895. 29	$b\ {}^4G_{2\frac{1}{2}} - (1)^\circ_{2\frac{1}{2}}$
3038. 77	6w	32898. 48	$b\ {}^4G_{3\frac{1}{2}} - y\ {}^4G^\circ_{3\frac{1}{2}}$
3037. 82	4w	32908. 77	
3037. 25	2w	32914. 94	
3037. 088	6wZ	32916. 70	$c\ {}^2D_{2\frac{1}{2}} - w^2D^\circ_{2\frac{1}{2}}$
3036. 106	3hl	32927. 34	
3035. 473	8Z	32934. 21	$b\ {}^4G_{3\frac{1}{2}} - y\ {}^4G^\circ_{4\frac{1}{2}}$
3034. 922	40Z	32940. 19	$a\ {}^4H_{5\frac{1}{2}} - z\ {}^4I^\circ_{4\frac{1}{2}}$
3034. 73	3	32942. 27	$a\ {}^2G_{3\frac{1}{2}} - y\ {}^4D^\circ_{2\frac{1}{2}}$
3034. 254	10Z	32947. 44	$b\ {}^4D_{0\frac{1}{2}} - y\ {}^4D^\circ_{0\frac{1}{2}}$
3033. 880	8	32951. 50	$b\ {}^2D_{2\frac{1}{2}} - (3)^\circ_{3\frac{1}{2}}$
3033. 333	200Z	32957. 44	$c\ {}^2G_{4\frac{1}{2}} - w^2G^\circ_{4\frac{1}{2}}$
3033. 24	20Z	32958. 45	$a\ {}^4D_{2\frac{1}{2}} - z\ {}^6D^\circ_{3\frac{1}{2}}$
3031. 50	1	32977. 37	$a\ {}^2H_{4\frac{1}{2}} - y\ {}^4D^\circ_{3\frac{1}{2}}$
3030. 812	4w	32984. 86	
3030. 65	1hl	32986. 62	
3030. 315	18Z	32990. 25	$a\ {}^4H_{4\frac{1}{2}} - z\ {}^4G^\circ_{3\frac{1}{2}}$
3029. 991	8Z	32993. 79	$b\ {}^4G_{4\frac{1}{2}} - y\ {}^4G^\circ_{5\frac{1}{2}}$
3029. 770	5Z	32996. 20	$b\ {}^2D_{1\frac{1}{2}} - y\ {}^2D^\circ_{2\frac{1}{2}}$
3028. 78	2	33006. 98	
3028. 291	6Z	33012. 31	$a\ {}^4H_{3\frac{1}{2}} - z\ {}^4G^\circ_{2\frac{1}{2}}$
3027. 773	60Z	33017. 96	$a\ {}^4D_{1\frac{1}{2}} - z\ {}^6D^\circ_{1\frac{1}{2}}$
3027. 39	3	33022. 14	$b\ {}^4G_{3\frac{1}{2}} - y\ {}^4G^\circ_{2\frac{1}{2}}$
3026. 801	12Z	33028. 56	$b\ {}^4D_{2\frac{1}{2}} - y\ {}^4D^\circ_{1\frac{1}{2}}$
3026. 33	1	33033. 70	
3026. 12	2w	33036. 00	
3025. 57	10wlZ	33042. 00	$b\ {}^2H_{4\frac{1}{2}} - x\ {}^4G^\circ_{3\frac{1}{2}}$
3025. 44	4	33043. 42	
3024. 793	8w	33050. 49	
3023. 303	125Z	33066. 78	$b\ {}^2I_{5\frac{1}{2}} - y\ {}^2I^\circ_{5\frac{1}{2}}$
3022. 748	10Z	33072. 85	$a\ {}^2G_{3\frac{1}{2}} - z\ {}^4G^\circ_{3\frac{1}{2}}$
3021. 605	45Z	33085. 36	$b\ {}^4G_{3\frac{1}{2}} - y\ {}^4F^\circ_{3\frac{1}{2}}$
3020. 682	20Z	33095. 47	
3020. 27	1	33099. 98	
3019. 72	8	33106. 01	$b\ {}^4G_{5\frac{1}{2}} - y\ {}^4H^\circ_{4\frac{1}{2}}$
3018. 56	45Z	33118. 73	$c\ {}^4D_{3\frac{1}{2}} - w\,{}^4D^\circ_{2\frac{1}{2}}$
3018. 50	55Z	33119. 42	$c\ {}^2D_{2\frac{1}{2}} - v\ {}^2F^\circ_{3\frac{1}{2}}$
3017. 18	1	33133. 88	
3016. 87	10Z	33137. 28	$b\ {}^2G_{4\frac{1}{2}} - x\ {}^4G^\circ_{4\frac{1}{2}}$
3016. 37	4w	33142. 78	$\begin{cases} b\ {}^2H_{5\frac{1}{2}} - x\ {}^4G^\circ_{5\frac{1}{2}} \\ c\ {}^4D_{1\frac{1}{2}} - w\,{}^4D^\circ_{2\frac{1}{2}} \end{cases}$
3016. 122	6	33145. 50	$a\ {}^2S_{0\frac{1}{2}} - z\ {}^2P^\circ_{0\frac{1}{2}}$
3015. 417	12Z	33153. 27	$a\ {}^4D_{0\frac{1}{2}} - z\ {}^6D^\circ_{0\frac{1}{2}}$
3014. 67	8	33161. 44	$a\ {}^4P_{1\frac{1}{2}} - z\ {}^4P^\circ_{2\frac{1}{2}}$
3014. 155	50Z	33167. 13	$c\ {}^4D_{3\frac{1}{2}} - w\,{}^4D^\circ_{3\frac{1}{2}}$
3013. 94	5	33169. 50	$a\ {}^4P_{2\frac{1}{2}} - z\ {}^4P^\circ_{2\frac{1}{2}}$
3012. 81	2w	33181. 94	$a\ {}^4F_{1\frac{1}{2}} - y\ {}^4D^\circ_{0\frac{1}{2}}$
3012. 65	5	33183. 70	
3012. 47	1	33185. 68	
3011. 948	35	33191. 43	$a\ {}^4H_{4\frac{1}{2}} - z\ {}^4I^\circ_{4\frac{1}{2}}$
3011. 184	5Z	33199. 85	$a\ {}^2H_{4\frac{1}{2}} - z\ {}^4I^\circ_{5\frac{1}{2}}$
3010. 917	35Z	33202. 80	$b\ {}^2D_{2\frac{1}{2}} - y\ {}^2D^\circ_{2\frac{1}{2}}$
3010. 07	1	33212. 15	$b\ {}^4F_{1\frac{1}{2}} - z\ {}^2P^\circ_{0\frac{1}{2}}$
3009. 79	4Z	33215. 23	
3009. 46	6Z	33218. 87	$b\ {}^4G_{2\frac{1}{2}} - y\ {}^4G^\circ_{3\frac{1}{2}}$
3008. 15	30Z	33233. 33	$a\ {}^4D_{2\frac{1}{2}} - z\ {}^6D^\circ_{2\frac{1}{2}}$
3007. 79	7	33237. 31	$b\ {}^4P_{0\frac{1}{2}} - z\ {}^2D^\circ_{1\frac{1}{2}}$
3007. 47	20Z	33240. 85	$c\ {}^2D_{1\frac{1}{2}} - v\ {}^2F^\circ_{2\frac{1}{2}}$
3007. 085	8	33245. 11	$b\ {}^2G_{3\frac{1}{2}} - x\ {}^4G^\circ_{4\frac{1}{2}}$
3007. 00	2	33246. 05	
3006. 766	5Z	33248. 63	$a\ {}^2H_{4\frac{1}{2}} - z\ {}^2G^\circ_{4\frac{1}{2}}$
3005. 50	4w	33262. 64	$\begin{cases} c\ {}^2F_{3\frac{1}{2}} - x\ {}^2H^\circ_{4\frac{1}{2}} \\ a\ {}^2D_{2\frac{1}{2}} - z\ {}^4D^\circ_{3\frac{1}{2}} \end{cases}$
3005. 44	7	33263. 30	
3005. 02	6	33267. 95	
3004. 45	60	33274. 26	$a\ {}^2G_{3\frac{1}{2}} - z\ {}^4I^\circ_{4\frac{1}{2}}$
3004. 03	3	33278. 91	$b\ {}^4G_{3\frac{1}{2}} - y\ {}^4H^\circ_{3\frac{1}{2}}$
3003. 773	10Z	33281. 76	$c\ {}^2G_{3\frac{1}{2}} - x\ {}^2D^\circ_{2\frac{1}{2}}$
3003. 260	8	33287. 45	$b\ {}^2D_{1\frac{1}{2}} - w\,{}^4D^\circ_{0\frac{1}{2}}$
3002. 850	5Z	33291. 99	$b\ {}^2F_{3\frac{1}{2}} - y\ {}^4D^\circ_{3\frac{1}{2}}$
3002. 12	8	33300. 09	
3001. 825	8w	33303. 36	$b\ {}^4G_{2\frac{1}{2}} - y\ {}^4F^\circ_{1\frac{1}{2}}$
3001. 510	10w	33306. 85	$\begin{cases} c\ {}^2D_{2\frac{1}{2}} - x\ {}^2P^\circ_{1\frac{1}{2}} \\ a\ {}^4H_{3\frac{1}{2}} - y\ {}^4D^\circ_{2\frac{1}{2}} \end{cases}$
3000. 94	6	33313. 18	$\begin{cases} b\ {}^4G_{2\frac{1}{2}} - (2)^\circ_{3\frac{1}{2}} \\ b\ {}^2D_{1\frac{1}{2}} - w\,{}^4D^\circ_{1\frac{1}{2}} \end{cases}$
3000. 290	60Z	33320. 40	$\begin{cases} a\ {}^2P_{0\frac{1}{2}} - y\ {}^2D^\circ_{1\frac{1}{2}} \\ b\ {}^4P_{2\frac{1}{2}} - x\ {}^4D^\circ_{2\frac{1}{2}} \end{cases}$
2999. 591	10Z	33328. 16	$d\ {}^2D_{2\frac{1}{2}} - t\ {}^2F^\circ_{3\frac{1}{2}}$
2998. 70	4	33338. 06	
2998. 37	4Z	33341. 73	$a\ {}^4P_{1\frac{1}{2}} - z\ {}^6P^\circ_{1\frac{1}{2}}$
2998. 29	1w	33342. 62	$b\ {}^4G_{2\frac{1}{2}} - y\ {}^4G^\circ_{3\frac{1}{2}}$
2997. 961	40Z	33346. 28	$\begin{cases} a\ {}^2H_{5\frac{1}{2}} - z\ {}^2G^\circ_{4\frac{1}{2}} \\ b\ {}^2H_{4\frac{1}{2}} - x\ {}^4G^\circ_{4\frac{1}{2}} \end{cases}$
2997. 661	7Z	33349. 62	$a\ {}^4P_{2\frac{1}{2}} - z\ {}^6P^\circ_{1\frac{1}{2}}$
2997. 326	50Z	33353. 35	$b\ {}^4F_{3\frac{1}{2}} - x\ {}^4D^\circ_{2\frac{1}{2}}$
2997. 101	5Z	33355. 85	$a\ {}^4D_{3\frac{1}{2}} - z\ {}^6D^\circ_{3\frac{1}{2}}$
2996. 695	12Z	33360. 37	$c\ {}^2F_{3\frac{1}{2}} - w^2F^\circ_{3\frac{1}{2}}$
2996. 275	20Z	33365. 04	$b\ {}^4P_{1\frac{1}{2}} - z\ {}^2D^\circ_{2\frac{1}{2}}$
2995. 528	12Z	33373. 36	$\begin{cases} b\ {}^2I_{6\frac{1}{2}} - y\ {}^2I^\circ_{5\frac{1}{2}} \\ b\ {}^4G_{3\frac{1}{2}} - y\ {}^4F^\circ_{2\frac{1}{2}} \end{cases}$
2995. 215	4	33376. 85	
2995. 04	1	33378. 80	$d\ {}^2G_{4\frac{1}{2}} - v\ {}^2G^\circ_{4\frac{1}{2}}$
2994. 60	4w	33383. 71	
2994. 55	4w	33384. 26	$d\ {}^2D_{1\frac{1}{2}} - t\ {}^2F^\circ_{2\frac{1}{2}}$
2993. 865	6	33391. 90	$\begin{cases} a\ {}^2H_{4\frac{1}{2}} - z\ {}^4G^\circ_{5\frac{1}{2}} \\ b\ {}^4G_{5\frac{1}{2}} - y\ {}^4F^\circ_{4\frac{1}{2}} \end{cases}$
2993. 501	35Z	33395. 96	$a\ {}^4D_{0\frac{1}{2}} - z\ {}^6D^\circ_{1\frac{1}{2}}$
2992. 840	75	33403. 34	$\begin{cases} b\ {}^4P_{2\frac{1}{2}} - y\ {}^4P^\circ_{2\frac{1}{2}} \\ a\ {}^4D_{1\frac{1}{2}} - z\ {}^6D^\circ_{2\frac{1}{2}} \end{cases}$
2992. 63	20	33405. 68	$b\ {}^4G_{2\frac{1}{2}} - y\ {}^4F^\circ_{3\frac{1}{2}}$
2992. 250	20Z	34409. 92	$a\ {}^2G_{4\frac{1}{2}} - z\ {}^4G^\circ_{3\frac{1}{2}}$
2991. 51	5hlZ	33418. 19	
2990. 08	1w	33434. 17	
2989. 855	50Z	33436. 68	$\begin{cases} b\ {}^4F_{3\frac{1}{2}} - y\ {}^4P^\circ_{2\frac{1}{2}} \\ a\ {}^4H_{3\frac{1}{2}} - z\ {}^4G^\circ_{3\frac{1}{2}} \end{cases}$
2989. 46	8	33441. 10	$c\ {}^2F_{2\frac{1}{2}} - w^2F^\circ_{2\frac{1}{2}}$
2989. 16	1w	33444. 46	
2987. 960	50	33457. 89	$b\ {}^4F_{4\frac{1}{2}} - x\ {}^4D^\circ_{3\frac{1}{2}}$
2987. 347	50Z	33464. 76	
2986. 897	50Z	33469. 80	$b\ {}^4P_{2\frac{1}{2}} - x\ {}^4D^\circ_{3\frac{1}{2}}$
2986. 147	100Z	33478. 20	$b\ {}^4G_{3\frac{1}{2}} - y\ {}^4H^\circ_{4\frac{1}{2}}$
2985. 309	8	33487. 60	$a\ {}^4H_{5\frac{1}{2}} - z\ {}^4G^\circ_{4\frac{1}{2}}$
2984. 862	15Z	33492. 61	$c\ {}^2G_{4\frac{1}{2}} - w^2H^\circ_{5\frac{1}{2}}$

Wavelength λ_{air}	Intensity	Wave No.	Term combination
2983. 955	75*d*	33502. 79	$b\,^{2}I_{5\frac{1}{2}}-y\,^{2}I^{\circ}_{6\frac{1}{2}}$ $b\,^{4}F_{3\frac{1}{2}}-x\,^{4}D^{\circ}_{3\frac{1}{2}}$
2983. 590	35*Z*	33506. 89	$b\,^{4}P_{1\frac{1}{2}}-y\,^{4}P^{\circ}_{0\frac{1}{2}}$
2982. 768	10*Z*	33516. 13	$d\,^{2}G_{3\frac{1}{2}}-v\,^{2}G^{\circ}_{4\frac{1}{2}}$
2982. 446	12*Z*	33519. 75	$b\,^{2}D_{2\frac{1}{2}}-w\,^{4}D^{\circ}_{1\frac{1}{2}}$
2981. 637	3*d*	33528. 84	$b\,^{4}P_{2\frac{1}{2}}-x\,^{4}D^{\circ}_{1\frac{1}{2}}$
2980. 495	4	33541. 68	$b\,^{4}F_{1\frac{1}{2}}-y\,^{4}P^{\circ}_{2\frac{1}{2}}$
2979. 787	35*Z*	33549. 65	
2978. 607	50*Z*	33562. 95	$b\,^{2}F_{3\frac{1}{2}}-z\,^{2}G^{\circ}_{4\frac{1}{2}}$
2977. 98	3	33570. 01	$b\,^{2}G_{3\frac{1}{2}}-w\,^{4}D^{\circ}_{3\frac{1}{2}}$ $b\,^{4}G_{4\frac{1}{2}}-y\,^{4}F^{\circ}_{4\frac{1}{2}}$
2977. 760	50*Z*	33572. 49	$b\,^{4}P_{2\frac{1}{2}}-(1)^{\circ}_{2\frac{1}{2}}$
2977. 095	7	33579. 99	$c\,^{2}G_{3\frac{1}{2}}-w\,^{2}G^{\circ}_{4\frac{1}{2}}$
2976. 898	30*Z*	33582. 21	$b\,^{2}D_{1\frac{1}{2}}-w\,^{4}D^{\circ}_{2\frac{1}{2}}$ $b\,^{2}F_{3\frac{1}{2}}-z\,^{2}D^{\circ}_{2\frac{1}{2}}$
2976. 39	2	33587. 94	
2976. 277	2	33589. 22	
2976. 10	3	33591. 22	
2975. 625	20*Z*	33596. 58	$a\,^{2}P_{1\frac{1}{2}}-w\,^{4}F^{\circ}_{2\frac{1}{2}}$
2975. 390	75*Z*	33599. 23	$b\,^{4}G_{2\frac{1}{2}}-y\,^{4}H^{\circ}_{3\frac{1}{2}}$
2975. 06	1*s*	33602. 96	
2974. 810	4	33605. 78	$b\,^{4}F_{3\frac{1}{2}}-(1)^{\circ}_{2\frac{1}{2}}$
2974. 310	5	33611. 43	$a\,^{2}G_{4\frac{1}{2}}-z\,^{4}I^{\circ}_{4\frac{1}{2}}$
2974. 00	8	33614. 93	$b\,^{4}F_{2\frac{1}{2}}-x\,^{4}D^{\circ}_{3\frac{1}{2}}$
2972. 607	150*Z*	33630. 69	$a\,^{4}D_{3\frac{1}{2}}-z\,^{6}D^{\circ}_{2\frac{1}{2}}$
2971. 904	125*Z*	33638. 64	$a\,^{4}H_{3\frac{1}{2}}-z\,^{4}I^{\circ}_{4\frac{1}{2}}$
2971. 140	15*Z*	33647. 29	$a\,^{4}H_{4\frac{1}{2}}-z\,^{2}G^{\circ}_{3\frac{1}{2}}$
2970. 56	1	33653. 86	
2970. 46	3*w*	33654. 99	
2970. 38	4*w*	33655. 90	
2969. 742	7	33663. 13	$b\,^{4}G_{4\frac{1}{2}}-z\,^{2}F^{\circ}_{3\frac{1}{2}}$
2969. 548	4	33665. 33	$d\,^{2}G_{3\frac{1}{2}}-w\,^{4}G^{\circ}_{3\frac{1}{2}}$
2969. 365	10*Z*	33667. 40	$b\,^{4}F_{1\frac{1}{2}}-x\,^{4}D^{\circ}_{1\frac{1}{2}}$
2968. 775	40*Z*	33674. 09	$b\,^{4}F_{2\frac{1}{2}}-x\,^{4}D^{\circ}_{1\frac{1}{2}}$
2968. 25	1	33680. 05	
2968. 17	1	33680. 96	
2967. 61	1*w*	33687. 31	$a\,^{2}F_{3\frac{1}{2}}-z\,^{4}H^{\circ}_{4\frac{1}{2}}$
2967. 075	20*Z*	33693. 39	$b\,^{4}G_{2\frac{1}{2}}-y\,^{4}F^{\circ}_{2\frac{1}{2}}$
2966. 985	30	33694. 41	$b\,^{4}F_{4\frac{1}{2}}-z\,^{2}I^{\circ}_{5\frac{1}{2}}$
2966. 77	4	33696. 85	
2966. 634	8	33698. 39	$b\,^{2}H_{4\frac{1}{2}}-x\,^{4}G^{\circ}_{5\frac{1}{2}}$
2965. 538	7	33710. 85	$b\,^{4}F_{1\frac{1}{2}}-(1)^{\circ}_{2\frac{1}{2}}$
2965. 276	60*Z*	33713. 83	$a\,^{6}D_{3\frac{1}{2}}-z\,^{6}F^{\circ}_{2\frac{1}{2}}$
2964. 948	12	33717. 56	$b\,^{4}F_{2\frac{1}{2}}-(1)^{\circ}_{2\frac{1}{2}}$
2964. 77	1	33719. 58	
2964. 391	10	33723. 89	
2964. 14	1	33726. 75	
2963. 786	75	33730. 78	$a\,^{6}D_{2\frac{1}{2}}-z\,^{6}F^{\circ}_{1\frac{1}{2}}$
2963. 45	2	33734. 60	
2963. 07	2*w*	33738. 93	$b\,^{4}G_{5\frac{1}{2}}-z\,^{2}H^{\circ}_{4\frac{1}{2}}$ $a\,^{4}H_{4\frac{1}{2}}-z\,^{4}G^{\circ}_{4\frac{1}{2}}$
2962. 212	15*Z*	33748. 70	$b\,^{4}G_{5\frac{1}{2}}-y\,^{4}H^{\circ}_{5\frac{1}{2}}$
2961. 327	65*Z*	33758. 78	$a\,^{4}D_{3\frac{1}{2}}-z\,^{6}D^{\circ}_{4\frac{1}{2}}$
2961. 036	10	33762. 10	$c\,^{2}G_{3\frac{1}{2}}-w\,^{2}G^{\circ}_{3\frac{1}{2}}$
2960. 464	8*Z*	33768. 62	$b\,^{4}D_{0\frac{1}{2}}-y\,^{4}D^{\circ}_{1\frac{1}{2}}$
2960. 228	50*Z*	33771. 32	$a\,^{6}D_{4\frac{1}{2}}-z\,^{6}F^{\circ}_{3\frac{1}{2}}$
2959. 90	2	33775. 06	
2959. 00	1*l*	33785. 33	$b\,^{4}F_{4\frac{1}{2}}-y\,^{4}G^{\circ}_{3\frac{1}{2}}$
2958. 732	10*Z*	33788. 39	$b\,^{2}D_{2\frac{1}{2}}-w\,^{4}D^{\circ}_{2\frac{1}{2}}$ $c\,^{4}D_{2\frac{1}{2}}-x\,^{2}F^{\circ}_{2\frac{1}{2}}$
2958. 35	5*w*	33792. 76	
2958. 12	2*w*	33795. 38	
2957. 56	1*w*	33801. 78	
2956. 915	75*Z*	33809. 15	$b\,^{2}I_{6\frac{1}{2}}-y\,^{2}I^{\circ}_{6\frac{1}{2}}$
2956. 79	10*Z*	33810. 58	$a\,^{4}H_{6\frac{1}{2}}-z\,^{4}I^{\circ}_{5\frac{1}{2}}$
2956. 59	6	33812. 87	$c\,^{2}F_{2\frac{1}{2}}-w\,^{2}F^{\circ}_{3\frac{1}{2}}$
2956. 057	30*Z*	33818. 96	$a\,^{6}D_{1\frac{1}{2}}-z\,^{6}F^{\circ}_{0\frac{1}{2}}$
2955. 828	50*Z*	33821. 58	$a\,^{2}G_{3\frac{1}{2}}-z\,^{4}G^{\circ}_{4\frac{1}{2}}$
2955. 46	2*w*	33825. 79	
2955. 154	20*Z*	33829. 30	$b\,^{4}F_{3\frac{1}{2}}-y\,^{4}G^{\circ}_{3\frac{1}{2}}$ $b\,^{4}P_{1\frac{1}{2}}-y\,^{4}P^{\circ}_{1\frac{1}{2}}$
2954. 518	5*Z*	33836. 58	$b\,^{2}D_{2\frac{1}{2}}-w\,^{4}D^{\circ}_{3\frac{1}{2}}$
2954. 36	4*w*	33838. 39	
2953. 942	15*Z*	33843. 18	$c\,^{4}D_{2\frac{1}{2}}-x\,^{4}P^{\circ}_{2\frac{1}{2}}$
2952. 765	15	33856. 67	
2952. 71	6	33857. 30	$b\,^{4}G_{3\frac{1}{2}}-z\,^{2}F^{\circ}_{3\frac{1}{2}}$
2952. 06	1*w*	33864. 75	
2951. 86	3*w*	33867. 05	$c\,^{2}G_{4\frac{1}{2}}-w\,^{2}H^{\circ}_{4\frac{1}{2}}$
2951. 817	15*lZ*	33867. 54	$b\,^{2}F_{2\frac{1}{2}}-z\,^{2}P^{\circ}_{1\frac{1}{2}}$ $b\,^{4}D_{1\frac{1}{2}}-z\,^{2}S^{\circ}_{0\frac{1}{2}}$
2951. 28	1*w*	33873. 70	
2951. 09	1*w*	33875. 88	
2950. 25	2*l*	33885. 53	
2949. 805	2	33890. 64	$c\,^{4}D_{2\frac{1}{2}}-x\,^{2}G^{\circ}_{3\frac{1}{2}}$
2949. 66	1	33892. 31	
2949. 356	5	33895. 80	$b\,^{4}P_{2\frac{1}{2}}-y\,^{4}G^{\circ}_{3\frac{1}{2}}$
2949. 130	2	33898. 40	
2948. 90	1	33901. 04	
2948. 157	10	33909. 58	$a\,^{4}P_{1\frac{1}{2}}-z\,^{6}P^{\circ}_{2\frac{1}{2}}$
2947. 77	1*w*	33914. 04	
2947. 290	125*Z*	33919. 56	$b\,^{4}F_{4\frac{1}{2}}-y\,^{4}G^{\circ}_{4\frac{1}{2}}$
2946. 692	125*Z*	33926. 44	$b\,^{4}G_{4\frac{1}{2}}-y\,^{4}H^{\circ}_{5\frac{1}{2}}$ $c\,^{4}D_{0\frac{1}{2}}-w\,^{4}F^{\circ}_{1\frac{1}{2}}$
2945. 946	100*Z*	33935. 03	$b\,^{4}G_{5\frac{1}{2}}-x\,^{4}F^{\circ}_{4\frac{1}{2}}$
2944. 814	150*Z*	33948. 08	$b\,^{2}I_{6\frac{1}{2}}-z\,^{2}K^{\circ}_{7\frac{1}{2}}$
2944. 48	2*w*	33951. 93	$c\,^{4}D_{2\frac{1}{2}}-w\,^{4}F^{\circ}_{1\frac{1}{2}}$
2943. 988	7	33957. 60	$a\,^{4}F_{2\frac{1}{2}}-z\,^{4}H^{\circ}_{3\frac{1}{2}}$
2943. 364	40*Z*	33964. 80	$b\,^{4}F_{3\frac{1}{2}}-y\,^{4}G^{\circ}_{4\frac{1}{2}}$
2943. 01	1*w*	33968. 88	
2942. 73	5	33972. 12	$c\,^{2}F_{3\frac{1}{2}}-x\,^{2}D^{\circ}_{2\frac{1}{2}}$
2942. 214	6	33978. 07	$b\,^{4}F_{4\frac{1}{2}}-(2)^{\circ}_{3\frac{1}{2}}$
2942. 01	2	33980. 43	$b\,^{4}P_{2\frac{1}{2}}-y\,^{4}F^{\circ}_{1\frac{1}{2}}$
2941. 88	3	33981. 93	
2941. 214	80*Z*	33989. 63	$b\,^{4}G_{4\frac{1}{2}}-x\,^{4}F^{\circ}_{3\frac{1}{2}}$
2940. 38	1*hl*	33999. 27	
2940. 090	50*Z*	34002. 62	$a\,^{4}F_{1\frac{1}{2}}-y\,^{4}D^{\circ}_{1\frac{1}{2}}$ $a\,^{4}H_{6\frac{1}{2}}-z\,^{4}G^{\circ}_{5\frac{1}{2}}$
2939. 765	7	34006. 38	$b\,^{4}D_{3\frac{1}{2}}-y\,^{4}D^{\circ}_{2\frac{1}{2}}$
2938. 878	10	34016. 64	
2938. 65	10	34019. 28	$b\,^{4}P_{2\frac{1}{2}}-y\,^{4}G^{\circ}_{2\frac{1}{2}}$
2938. 51	12*Z*	34020. 90	$a\,^{2}H_{5\frac{1}{2}}-z\,^{4}I^{\circ}_{6\frac{1}{2}}$
2938. 292	40*Z*	34023. 43	$b\,^{4}F_{3\frac{1}{2}}-(2)^{\circ}_{3\frac{1}{2}}$
2937. 839	4	34028. 67	$a\,^{4}D_{2\frac{1}{2}}-z\,^{4}F^{\circ}_{1\frac{1}{2}}$
2937. 46	1	34033. 06	
2937. 39	1	34033. 87	
2937. 24	2	34035. 61	
2936. 98	4	34038. 62	$a\,^{4}F_{3\frac{1}{2}}-z\,^{4}H^{\circ}_{3\frac{1}{2}}$
2936. 773	40*Z*	34041. 02	$b\,^{4}F_{2\frac{1}{2}}-y\,^{4}G^{\circ}_{3\frac{1}{2}}$
2935. 698	18*Z*	34053. 49	$b\,^{4}F_{1\frac{1}{2}}-x\,^{4}D^{\circ}_{0\frac{1}{2}}$ $a\,^{4}G_{4\frac{1}{2}}-z\,^{6}P^{\circ}_{3\frac{1}{2}}$
2935. 39	5*wl*	34057. 09	
2935. 196	15*Z*	34059. 31	$a\,^{4}P_{0\frac{1}{2}}-z\,^{6}D^{\circ}_{0\frac{1}{2}}$ $a\,^{4}F_{4\frac{1}{2}}-z\,^{4}H^{\circ}_{3\frac{1}{2}}$
2934. 76	4	34064. 37	

TABLE 1. *Wavelengths and term combinations of* Mo II—Continued

Wavelength λ_{air}	Intensity	Wave No.	Term combination
2934. 293	100*Z*	34069. 79	$\left\{\begin{array}{l} b\ {}^4F_{4\frac{1}{2}}—y\ {}^4F^\circ_{3\frac{1}{2}} \\ a\ {}^6D_{0\frac{1}{2}}—z\ {}^6F^\circ_{0\frac{1}{2}} \end{array}\right.$
2933. 98	5	34073. 43	
2933. 67	1	34077. 03	
2933. 43	3	34079. 82	
2933. 201	10*Z*	34082. 47	$b\ {}^4P_{2\frac{1}{2}}—y\ {}^4F^\circ_{3\frac{1}{2}}$
2932. 80	1*h*	34087. 14	
2932. 394	7	34091. 86	
2932. 185	15*Z*	34094. 28	$a\ {}^4H_{3\frac{1}{2}}—z\ {}^2G^\circ_{3\frac{1}{2}}$
2931. 36	2*w*	34103. 88	
2931. 11	2*w*	34106. 79	
2930. 77	20	34110. 74	$b\ {}^4G_{3\frac{1}{2}}—z\ {}^2H^\circ_{4\frac{1}{2}}$
2930. 478	100*Z*	34114. 14	$a\ {}^6D_{1\frac{1}{2}}—z\ {}^6F^\circ_{1\frac{1}{2}}$
2930. 072	25*Z*	34118. 86	$\left\{\begin{array}{l} b\ {}^4P_{1\frac{1}{2}}—z\ {}^2P^\circ_{1\frac{1}{2}} \\ b\ {}^4F_{1\frac{1}{2}}—y\ {}^4F^\circ_{1\frac{1}{2}} \end{array}\right.$
2929. 493	10*Z*	34125. 61	$b\ {}^4F_{2\frac{1}{2}}—y\ {}^4F^\circ_{1\frac{1}{2}}$
2929. 04	1*w*	34130. 89	
2928. 494	18*Z*	34137. 25	$\left\{\begin{array}{l} b\ {}^4D_{3\frac{1}{2}}—z\ {}^4G^\circ_{3\frac{1}{2}} \\ c\ {}^2D_{2\frac{1}{2}}—w\ {}^2P^\circ_{1\frac{1}{2}} \\ b\ {}^2G_{4\frac{1}{2}}—x\ {}^2F^\circ_{3\frac{1}{2}} \end{array}\right.$
2927. 542	50*Z*	34148. 35	$b\ {}^4G_{3\frac{1}{2}}—x\ {}^4F^\circ_{2\frac{1}{2}}$
2926. 96	2	34155. 15	$b\ {}^4D_{0\frac{1}{2}}—z\ {}^2S^\circ_{0\frac{1}{2}}$
2926. 743	20*Z*	34157. 68	$b\ {}^4F_{1\frac{1}{2}}—y\ {}^4G^\circ_{2\frac{1}{2}}$
2926. 22	20	34163. 78	$c\ {}^4D_{3\frac{1}{2}}—x\ {}^4P^\circ_{2\frac{1}{2}}$
2926. 15	20	34164. 60	$b\ {}^4F_{2\frac{1}{2}}—y\ {}^4G^\circ_{2\frac{1}{2}}$
2925. 416	50*Z*	34173. 17	$b\ {}^4F_{4\frac{1}{2}}—y\ {}^4G^\circ_{5\frac{1}{2}}$
2924. 320	65*Z*	34185. 98	$\left\{\begin{array}{l} a\ {}^4H_{3\frac{1}{2}}—z\ {}^4G^\circ_{4\frac{1}{2}} \\ a\ {}^4H_{5\frac{1}{2}}—z\ {}^4I^\circ_{5\frac{1}{2}} \end{array}\right.$
2924. 17	5	34187. 73	$c\ {}^4D_{1\frac{1}{2}}—x\ {}^4P^\circ_{2\frac{1}{2}}$
2923. 387	100*Z*	34196. 89	$a\ {}^6D_{2\frac{1}{2}}—z\ {}^6F^\circ_{2\frac{1}{2}}$
2923. 215	10	34198. 90	$a\ {}^4D_{1\frac{1}{2}}—z\ {}^4F^\circ_{1\frac{1}{2}}$
2922. 732	22*Z*	34204. 55	$b\ {}^4G_{2\frac{1}{2}}—x\ {}^4F^\circ_{1\frac{1}{2}}$
2922. 183	4	34210. 98	$c\ {}^4D_{3\frac{1}{2}}—x\ {}^2G^\circ_{3\frac{1}{2}}$
2921. 92	8*Z*	34214. 06	$a\ {}^4H_{4\frac{1}{2}}—y\ {}^4D^\circ_{3\frac{1}{2}}$
2921. 40	2*wl*	34220. 15	
2920. 878	2	34226. 26	$a\ {}^2P_{1\frac{1}{2}}—y\ {}^2P^\circ_{0\frac{1}{2}}$
2920. 46	3	34231. 16	
2920. 250	12*Z*	34233. 62	$\left\{\begin{array}{l} c\ {}^2D_{2\frac{1}{2}}—u\ {}^2F^\circ_{2\frac{1}{2}} \\ a\ {}^4H_{5\frac{1}{2}}—z\ {}^2G^\circ_{4\frac{1}{2}} \end{array}\right.$
2920. 084	5*Z*	34235. 57	$b\ {}^4D_{2\frac{1}{2}}—y\ {}^4D^\circ_{2\frac{1}{2}}$
2918. 94	10	34248. 99	
2918. 835	40*Z*	34250. 22	$a\ {}^4P_{1\frac{1}{2}}—z\ {}^6D^\circ_{0\frac{1}{2}}$
2917. 157	15*Z*	34269. 92	$c\ {}^2F_{3\frac{1}{2}}—w\ {}^2G^\circ_{4\frac{1}{2}}$
2916. 698	3*hl*	34275. 31	$a\ {}^2P_{0\frac{1}{2}}—w\ {}^4D^\circ_{1\frac{1}{2}}$
2916. 47	3*w*	34277. 99	$\left\{\begin{array}{l} d\ {}^2G_{4\frac{1}{2}}—w\ {}^4G^\circ_{4\frac{1}{2}} \\ d\ {}^2D_{1\frac{1}{2}}—v\ {}^2D^\circ_{2\frac{1}{2}} \end{array}\right.$
2916. 28	1	34280. 22	
2915. 655	4	34287. 57	$b\ {}^2H_{5\frac{1}{2}}—z\ {}^2K^\circ_{6\frac{1}{2}}$
2914. 901	4	34296. 44	$\left\{\begin{array}{l} a\ {}^2G_{3\frac{1}{2}}—y\ {}^4D^\circ_{3\frac{1}{2}} \\ c\ {}^4D_{1\frac{1}{2}}—w\ {}^4F^\circ_{1\frac{1}{2}} \end{array}\right.$
2914. 83	3	34297. 28	
2914. 70	4	34298. 80	
2914. 435	8*Z*	34301. 92	$a\ {}^4P_{0\frac{1}{2}}—z\ {}^6D^\circ_{1\frac{1}{2}}$
2914. 313	12*Z*	34303. 36	$c\ {}^2D_{1\frac{1}{2}}—w\ {}^2P^\circ_{0\frac{1}{2}}$
2914. 010	6	34306. 93	$b\ {}^4G_{3\frac{1}{2}}—x\ {}^4F^\circ_{4\frac{1}{2}}$
2913. 82	30*Z*	34309. 16	$b\ {}^4F_{3\frac{1}{2}}—y\ {}^4H^\circ_{3\frac{1}{2}}$
2913. 74	40*Z*	34310. 10	$c\ {}^4D_{2\frac{1}{2}}—w\ {}^4F^\circ_{3\frac{1}{2}}$
2912. 513	5	34324. 56	
2911. 915	125*Z*	34331. 61	$a\ {}^6D_{3\frac{1}{2}}—z\ {}^6F_{3\frac{1}{2}}$
2911. 57	3*s*	34335. 68	
2911. 30	2	34338. 86	
2910. 927	10*Z*	34343. 26	$a\ {}^4F_{3\frac{1}{2}}—z\ {}^4H^\circ_{4\frac{1}{2}}$
2910. 47	1	34348. 65	
2909. 913	4	34355. 23	
2909. 46	1	34360. 58	
2909. 108	75*Z*	34364. 73	$a\ {}^6D_{0\frac{1}{2}}—z\ {}^6F^\circ_{1\frac{1}{2}}$
2908. 642	4	34370. 24	$b\ {}^4P_{2\frac{1}{2}}—y\ {}^4F^\circ_{2\frac{1}{2}}$
2908. 22	8	34375. 23	
2908. 18	4	34375. 70	$b\ {}^4G_{3\frac{1}{2}}—z\ {}^2F^\circ_{2\frac{1}{2}}$
2907. 66	1	34381. 84	
2907. 54	1	34383. 27	
2907. 113	30*Z*	34388. 32	$a\ {}^4D_{2\frac{1}{2}}—z\ {}^4F^\circ_{3\frac{1}{2}}$
2906. 61	1	34394. 27	$b\ {}^4D_{1\frac{1}{2}}—z\ {}^4G^\circ_{2\frac{1}{2}}$
2906. 507	4	34395. 48	
2905. 833	12*Z*	34403. 46	$b\ {}^4F_{3\frac{1}{2}}—y\ {}^4F^\circ_{2\frac{1}{2}}$
2905. 45	3	34408. 00	
2904. 781	4	34415. 92	
2904. 334	8	34421. 22	$b\ {}^4F_{2\frac{1}{2}}—y\ {}^4H^\circ_{3\frac{1}{2}}$
2904. 11	6*w*	34423. 87	$c\ {}^2F_{2\frac{1}{2}}—x\ {}^2D^\circ_{2\frac{1}{2}}$
2903. 69	2*wl*	34428. 85	
2903. 055	125*Z*	34436. 38	$a\ {}^4H_{4\frac{1}{2}}—z\ {}^4I^\circ_{5\frac{1}{2}}$
2902. 72	2	34440. 35	
2902. 56	1	34442. 26	
2902. 45	1*w*	34443. 56	
2901. 98	2	34449. 14	$c\ {}^2F_{2\frac{1}{2}}—x\ {}^2D^\circ_{1\frac{1}{2}}$
2901. 794	12*Z*	34451. 34	$b\ {}^2H_{5\frac{1}{2}}—x\ {}^2G^\circ_{4\frac{1}{2}}$
2900. 780	40*Z*	34463. 39	$\left\{\begin{array}{l} b\ {}^2F_{2\frac{1}{2}}—x\ {}^4D^\circ_{2\frac{1}{2}} \\ b\ {}^4F_{4\frac{1}{2}}—y\ {}^4H^\circ_{4\frac{1}{2}} \end{array}\right.$
2900. 506	6	34466. 64	$c\ {}^4D_{3\frac{1}{2}}—w\ {}^4F^\circ_{2\frac{1}{2}}$
2900. 363	6	34468. 34	$\left\{\begin{array}{l} b\ {}^4G_{2\frac{1}{2}}—x\ {}^4F^\circ_{2\frac{1}{2}} \\ d\ {}^2G_{3\frac{1}{2}}—v\ {}^4F^\circ_{4\frac{1}{2}} \\ b\ {}^4P_{1\frac{1}{2}}—z\ {}^2P^\circ_{0\frac{1}{2}} \end{array}\right.$
2900. 17	2	34470. 64	
2899. 703	6	34476. 19	
2899. 079	6	34483. 61	$a\ {}^2P_{1\frac{1}{2}}—y\ {}^2P^\circ_{1\frac{1}{2}}$
2898. 961	4	34485. 01	$a\ {}^4H_{4\frac{1}{2}}—z\ {}^2G^\circ_{4\frac{1}{2}}$
2898. 646	10*Z*	34488. 78	$c\ {}^2G_{3\frac{1}{2}}—w\ {}^2H^\circ_{4\frac{1}{2}}$
2898. 477	15*Z*	34490. 77	$c\ {}^4D_{1\frac{1}{2}}—w\ {}^4F^\circ_{2\frac{1}{2}}$
2898. 30	2	34492. 88	$a\ {}^4P_{1\frac{1}{2}}—z\ {}^6D^\circ_{1\frac{1}{2}}$
2897. 627	35	34500. 89	$a\ {}^4P_{2\frac{1}{2}}—z\ {}^6D^\circ_{1\frac{1}{2}}$
2897. 42	15*s*	34503. 35	$\left\{\begin{array}{l} b\ {}^4G_{2\frac{1}{2}}—x\ {}^4F^\circ_{3\frac{1}{2}} \\ c\ {}^4D_{3\frac{1}{2}}—x\ {}^2G^\circ_{4\frac{1}{2}} \end{array}\right.$
2896. 98	3	34508. 62	$\left\{\begin{array}{l} b\ {}^4F_{3\frac{1}{2}}—y\ {}^4H^\circ_{4\frac{1}{2}} \\ b\ {}^4F_{1\frac{1}{2}}—y\ {}^4F^\circ_{2\frac{1}{2}} \end{array}\right.$
2896. 75	4	34511. 33	
2896. 71	5	34511. 81	$\left\{\begin{array}{l} b\ {}^2D_{2\frac{1}{2}}—x\ {}^2F^\circ_{3\frac{1}{2}} \\ b\ {}^2G_{3\frac{1}{2}}—x\ {}^2F^\circ_{3\frac{1}{2}} \end{array}\right.$
2896. 417	15	34515. 30	$b\ {}^4F_{2\frac{1}{2}}—y\ {}^4F^\circ_{3\frac{1}{2}}$
2895. 91	2*w*	34521. 34	
2895. 82	2*h*	34522. 41	
2895. 73	2	34523. 49	
2895. 137	10	34530. 56	$b\ {}^4P_{0\frac{1}{2}}—y\ {}^4P^\circ_{0\frac{1}{2}}$
2894. 867	10	34533. 78	$a\ {}^4H_{6\frac{1}{2}}—z\ {}^4I^\circ_{6\frac{1}{2}}$
2894. 446	80*Z*	34538. 80	$a\ {}^6D_{4\frac{1}{2}}—z\ {}^6F^\circ_{4\frac{1}{2}}$
2894. 12	2	34542. 69	
2893. 97	3	34544. 48	$a\ {}^2F_{3\frac{1}{2}}—z\ {}^4G^\circ_{3\frac{1}{2}}$
2893. 795	6	34546. 57	$\left\{\begin{array}{l} b\ {}^2F_{2\frac{1}{2}}—y\ {}^4P^\circ_{2\frac{1}{2}} \\ c\ {}^4D_{0\frac{1}{2}}—x\ {}^4P^\circ_{1\frac{1}{2}} \end{array}\right.$
2893. 60	1*w*	34548. 90	
2893. 46	1*w*	34550. 57	
2892. 817	60*Z*	34558. 25	$a\ {}^4D_{1\frac{1}{2}}—z\ {}^4F^\circ_{2\frac{1}{2}}$
2892. 47	1	34562. 39	
2892. 044	12*Z*	34567. 49	$a\ {}^2G_{3\frac{1}{2}}—z\ {}^2G^\circ_{4\frac{1}{2}}$
2891. 67	3*w*	34571. 96	$\left\{\begin{array}{l} b\ {}^2D_{1\frac{1}{2}}—x\ {}^2F^\circ_{2\frac{1}{2}} \\ c\ {}^4D_{2\frac{1}{2}}—x\ {}^4P^\circ_{1\frac{1}{2}} \end{array}\right.$
2891. 290	25*Z*	34576. 50	$a\ {}^4D_{0\frac{1}{2}}—z\ {}^4F^\circ_{1\frac{1}{2}}$

TABLE 1. *Wavelengths and term combinations of* Mo II—Continued

Wavelength λ_{air}	Intensity	Wave No.	Term combination
2890. 995	100*Z*	34580. 03	$a\ ^6D_{1½}—z\ ^6F^\circ_{2½}$
2890. 43	4	34586. 79	$a\ ^2G_{3½}—z\ ^2D^\circ_{2½}$
2890. 38	1	34587. 39	
2890. 16	2*wl*	34590. 02	
2889. 60	5*w*	34596. 75	$b\ ^2I_{5½}—x\ ^2H^\circ_{4½}$
2888. 70	10*Z*	34607. 50	
2888. 38	4	34611. 33	$a\ ^4P_{2½}—z\ ^6D^\circ_{3½}$
2888. 171	50*Z*	34613. 84	$b\ ^2G_{3½}—x\ ^2G^\circ_{3½}$
2886. 982	15*Z*	34628. 09	$a\ ^4H_{4½}—z\ ^4G^\circ_{5½}$
2886. 799	5	34630. 29	$\begin{cases} a\ ^2P_{1½}—x\ ^4P^\circ_{0½} \\ c\ ^4D_{3½}—w^4F^\circ_{3½} \end{cases}$
2886. 53	3	34633. 52	$a\ ^2G_{4½}—y\ ^4D^\circ_{3½}$
2886. 13	7	34638. 32	$b\ ^4G_{4½}—y\ ^2G^\circ_{3½}$
2885. 789	25*Z*	34642. 41	$a\ ^2F_{2½}—z\ ^4G^\circ_{3½}$
2885. 73	8	34643. 12	
2884. 799	6*Z*	34654. 30	
2884. 224	3	34661. 20	$a\ ^4H_{3½}—y\ ^4D^\circ_{3½}$
2883. 969	8*Z*	34664. 27	
2883. 324	8*Z*	34672. 02	$b\ ^2F_{2½}—x\ ^4D^\circ_{1½}$
2882. 376	22*Z*	34683. 43	$b\ ^4G_{5½}—z\ ^2H^\circ_{5½}$
2882. 048	10*Z*	34687. 37	
2881. 932	8*Z*	34688. 77	$b\ ^4D_{1½}—y\ ^4D^\circ_{2½}$
2881. 386	18*Z*	34695. 34	$b\ ^4G_{2½}—z\ ^2F^\circ_{2½}$
2880. 19	2	34709. 75	
2879. 75	10*Z*	34715. 05	$\begin{cases} b\ ^2H_{4½}—x\ ^2G^\circ_{3½} \\ b\ ^4P_{1½}—x\ ^4D^\circ_{2½} \end{cases}$
2879. 69	12	34715. 77	$b\ ^2F_{2½}—\ (1)^\circ_{2½}$
2879. 38	2	34719. 51	
2879. 046	100*Z*	34723. 54	$b\ ^4G_{5½}—y\ ^4H^\circ_{6½}$
2878. 70	4*ws*	34727. 71	
2878. 43	1*hl*	34730. 97	
2878. 09	1*w*	34735. 07	$b\ ^2D_{1½}—w^4F^\circ_{1½}$
2876. 826	10*Z*	34750. 33	$c\ ^4D_{0½}—y\ ^2P^\circ_{0½}$
2876. 173	2	34758. 22	
2875. 82	2	34762. 49	
2875. 76	1	34763. 21	
2875. 43	2	34767. 20	$a\ ^2H_{4½}—x\ ^4D^\circ_{3½}$
2874. 847	10*Z*	34774. 25	$c\ ^4D_{3½}—w\ ^4F^\circ_{4½}$
2874. 39	3*Z*	34779. 78	
2873. 24	2	34793. 70	$\begin{cases} b\ ^4D_{3½}—z\ ^2G^\circ_{3½} \\ b\ ^4F_{3½}—y\ ^4F^\circ_{4½} \end{cases}$
2872. 90	2*Z*	34797. 82	$b\ ^4P_{1½}—y\ ^4P^\circ_{2½}$
2872. 880	60*Z*	34798. 06	$b\ ^2G_{4½}—x\ ^2G^\circ_{4½}$
2872. 54	2*w*	34802. 18	
2872. 14	3	34807. 03	$c\ ^2D_{1½}—w\ ^2P^\circ_{1½}$
2871. 506	125*Z*	34814. 71	$a\ ^6D_{2½}—z\ ^6F^\circ_{3½}$
2870. 66	2	34824. 97	
2870. 08	1	34832. 01	
2869. 984	7*Z*	34833. 17	$\begin{cases} b\ ^2D_{2½}—x\ ^4P^\circ_{2½} \\ b\ ^4G_{3½}—y\ ^2G^\circ_{3½} \end{cases}$
2869. 221	12*Z*	34842. 44	$b\ ^4F_{4½}—z\ ^2F^\circ_{3½}$
2868. 64	3	34849. 49	
2868. 334	25*Z*	34853. 21	$b\ ^4P_{0½}—y\ ^4P^\circ_{1½}$
2868. 116	25*Z*	34855. 86	$a\ ^2G_{4½}—z\ ^4I^\circ_{5½}$
2867. 68	3	34861. 16	$b\ ^4G_{4½}—z\ ^2H^\circ_{5½}$
2867. 20	1	34866. 99	
2866. 82	12	34871. 62	$b\ ^2H_{5½}—y\ ^2I^\circ_{5½}$
2866. 705	35*Z*	34873. 01	$a\ ^4D_{2½}—z\ ^4F^\circ_{3½}$
2866. 53	4	34875. 17	$a\ ^4G_{4½}—z\ ^6D^\circ_{3½}$
2866. 270	7*w*	34878. 31	$a\ ^4P_{1½}—z\ ^6D^\circ_{2½}$
2866. 086	7	34880. 55	$b\ ^2D_{2½}—x\ ^2G^\circ_{3½}$
2865. 880	4	34883. 05	
2865. 64	10	34885. 97	$a\ ^4P_{2½}—z\ ^6D^\circ_{2½}$
2865. 502	10	34887. 66	$b\ ^4F_{3½}—z\ ^2F^\circ_{3½}$
2865. 205	10	34891. 27	$b\ ^4G_{5½}—y\ ^2H^\circ_{4½}$
2864. 43	2*w*	34900. 71	
2864. 13	8	34904. 37	$\begin{cases} c\ ^2F_{2½}—w\ ^2G^\circ_{3½} \\ a\ ^2G_{4½}—z\ ^2G^\circ_{4½} \end{cases}$
2863. 801	90*Z*	34908. 38	$a\ ^4H_{5½}—z\ ^4I^\circ_{6½}$
2863. 57	2	34911. 19	
2863. 20	18*Z*	34915. 70	$a\ ^4F_{1½}—z\ ^4G^\circ_{2½}$
2863. 16	15	34916. 19	$c\ ^4D_{1½}—x\ ^4P^\circ_{1½}$
2862. 97	2	34918. 51	
2862. 403	7	34925. 42	$b\ ^2G_{4½}—w\ ^4F^\circ_{3½}$
2862. 200	6	34927. 90	$a\ ^4F_{4½}—z\ ^4H^\circ_{5½}$
2862. 051	5	34929. 72	$b\ ^2D_{1½}—w\ ^4F^\circ_{2½}$
2861. 865	8	34931. 99	$\begin{cases} b\ ^2F_{3½}—x\ ^4D^\circ_{2½} \\ a\ ^4H_{3½}—z\ ^2G^\circ_{4½} \end{cases}$
2861. 579	7	34935. 48	
2861. 350	4	34938. 28	
2860. 95	4	34943. 16	
2860. 750	5	34945. 60	$c\ ^2D_{2½}—w\ ^4G^\circ_{2½}$
2860. 34	1*wl*	34950. 61	
2860. 27	1	34951. 47	$a\ ^4H_{3½}—z\ ^2D_{2½}$
2860. 113	3	34953. 39	$a\ ^2S_{0½}—x\ ^4F^\circ_{1½}$
2860. 03	1	34954. 40	
2859. 62	2*w*	34959. 41	
2859. 52	2	34960. 64	
2859. 002	15*Z*	34966. 97	$b\ ^4P_{1½}—\ (1)^\circ_{2½}$
2858. 594	5	34971. 96	$a\ ^4G_{3½}—z\ ^6D^\circ_{3½}$
2858. 077	10*Z*	34978. 29	$c\ ^2G_{4½}—v\ ^2F^\circ_{3½}$
2857. 50	20	34985. 35	
2856. 900	10*Z*	34992. 70	$a\ ^4G_{2½}—z\ ^6D^\circ_{1½}$
2856. 606	2*wl*	34996. 30	
2856. 46	3	34998. 08	
2856. 009	20*Z*	35003. 61	$a\ ^2H_{4½}—z\ ^2I^\circ_{5½}$
2855. 707	18*Z*	35007. 31	$\begin{cases} b\ ^2H_{4½}—x\ ^2G^\circ_{4½} \\ c\ ^4D_{0½}—y\ ^2P^\circ_{1½} \end{cases}$
2855. 37	2	35011. 45	
2855. 22	3	35013. 28	$c\ ^2D_{2½}—t\ ^2F^\circ_{2½}$
2855. 06	2	35015. 25	$b\ ^2F_{3½}—y\ ^4P^\circ_{2½}$
2854. 66	6*w*	35020. 15	$b\ ^4F_{1½}—x\ ^4F^\circ_{1½}$
2854. 428	6	35023. 00	$b\ ^4D_{2½}—z\ ^2G^\circ_{3½}$
2854. 120	12	35026. 78	$b\ ^4F_{2½}—x\ ^4F^\circ_{1½}$
2853. 84	1*w*	35030. 28	
2853. 600	20	35033. 16	$\begin{cases} b\ ^2G_{3½}—w\ ^4F^\circ_{3½} \\ b\ ^4G_{5½}—y\ ^2H^\circ_{5½} \\ c\ ^4D_{2½}—y\ ^2P^\circ_{1½} \end{cases}$
2853. 220	150*Z*	35037. 83	$a\ ^4H_{6½}—z\ ^4I^\circ_{7½}$
2852. 89	4*s*	35041. 88	
2852. 60	2	35045. 44	
2852. 419	4*s*	35047. 67	$\begin{cases} a\ ^2G_{4½}—z\ ^4G^\circ_{5½} \\ b\ ^4G_{4½}—y\ ^2F^\circ_{3½} \end{cases}$
2852. 022	2	35052. 54	$c\ ^2G_{3½}—v\ ^2F^\circ_{2½}$
2851. 80	2	35055. 27	
2851. 09	4	35064. 00	
2850. 676	35*Z*	35069. 09	$\begin{cases} b\ ^2G_{4½}—w\ ^4F^\circ_{4½} \\ b\ ^4G_{4½}—y\ ^2H^\circ_{4½} \end{cases}$
2850. 37	3*w*	35072. 86	
2850. 15	1	35075. 57	
2849. 66	4*w*	35081. 60	$b\ ^2F_{3½}—x\ ^4D^\circ_{3½}$
2848. 85	3	35091. 57	
2848. 238	175*Z*	35099. 11	$a\ ^6D_{3½}—z\ ^6F^\circ_{4½}$
2847. 686	8	35105. 91	$b\ ^4F_{4½}—y\ ^4H^\circ_{5½}$
2847. 43	2	35109. 07	
2846. 632	15*Z*	35118. 91	$a\ ^4F_{2½}—z\ ^4G^\circ_{2½}$

TABLE 1. *Wavelengths and term combinations of* Mo II—Continued

Wavelength λ_{air}	Intensity	Wave No.	Term combination
2846. 250	4*Z*	35123. 63	$b\ ^2F_{2\frac{1}{2}}$—$y\ ^4F^\circ_{1\frac{1}{2}}$
2846. 08	1	35125. 72	
2845. 668	10*Z*	35130. 81	
2845. 392	6	35134. 21	$b\ ^2H_{4\frac{1}{2}}$—$w\ ^4F^\circ_{3\frac{1}{2}}$
2845. 222	2	35136. 31	$b\ ^2D_{2\frac{1}{2}}$—$w\ ^4F^\circ_{2\frac{1}{2}}$
2845. 14	2	35137. 33	
2844. 834	18*Z*	35141. 11	$b\ ^4F_{3\frac{1}{2}}$—$z\ ^2H^\circ_{4\frac{1}{2}}$
2844. 67	1	35143. 13	$b\ ^4P_{0\frac{1}{2}}$—$z\ ^2P^\circ_{1\frac{1}{2}}$
2844. 507	3*w*	35145. 15	$b\ ^4P_{2\frac{1}{2}}$—$x\ ^4F^\circ_{2\frac{1}{2}}$
2843. 97	2	35151. 78	
2843. 734	10*Z*	35154. 70	$c\ ^4D_{0\frac{1}{2}}$—$x\ ^4P^\circ_{0\frac{1}{2}}$
2843. 09	4	35162. 66	$b\ ^2F_{2\frac{1}{2}}$—$y\ ^4G^\circ_{2\frac{1}{2}}$
2842. 492	35*Z*	35170. 06	$a\ ^2F_{3\frac{1}{2}}$—$z\ ^4I^\circ_{4\frac{1}{2}}$
2842. 148	40*Z*	35174. 31	$a\ ^6D_{1\frac{1}{2}}$—$z\ ^4P^\circ_{0\frac{1}{2}}$
2841. 788	12*Z*	35178. 77	$c\ ^2F_{3\frac{1}{2}}$—$w\ ^2H^\circ_{4\frac{1}{2}}$ $b\ ^4F_{3\frac{1}{2}}$—$x\ ^4F^\circ_{2\frac{1}{2}}$
2841. 60	3	35181. 10	$b\ ^4P_{2\frac{1}{2}}$—$x\ ^4F^\circ_{3\frac{1}{2}}$
2841. 56	1	35181. 59	$b\ ^4D_{1\frac{1}{2}}$—$z\ ^2D^\circ_{1\frac{1}{2}}$
2841. 34	2	35184. 32	$b\ ^2F_{3\frac{1}{2}}$— (1)$^\circ_{2\frac{1}{2}}$
2841. 11	2	35187. 16	
2840. 080	7*Z*	35199. 93	$a\ ^4F_{3\frac{1}{2}}$—$z\ ^4G^\circ_{2\frac{1}{2}}$
2839. 872	3	35202. 50	
2839. 25	8*lZ*	35210. 22	$a\ ^4F_{1\frac{1}{2}}$—$y\ ^4D^\circ_{2\frac{1}{2}}$
2839. 19	25*Z*	35210. 96	$b\ ^4G_{4\frac{1}{2}}$—$y\ ^2H^\circ_{4\frac{1}{2}}$
2838. 94	2	35214. 06	$b\ ^4F_{3\frac{1}{2}}$—$x\ ^4F^\circ_{3\frac{1}{2}}$
2838. 00	3	35225. 72	$b\ ^2F_{2\frac{1}{2}}$—$y\ ^4F^\circ_{3\frac{1}{2}}$
2836. 721	30*Z*	35241. 60	$b\ ^4G_{3\frac{1}{2}}$—$y\ ^2F^\circ_{3\frac{1}{2}}$
2836. 307	10*Z*	35246. 75	$a\ ^4G_{3\frac{1}{2}}$—$z\ ^6D^\circ_{3\frac{1}{2}}$
2835. 342	30*Z*	35258. 74	$a\ ^4G_{5\frac{1}{2}}$—$z\ ^6D^\circ_{4\frac{1}{2}}$
2834. 993	10	35263. 08	$b\ ^4G_{3\frac{1}{2}}$—$y\ ^2H^\circ_{4\frac{1}{2}}$
2834. 873	18	35264. 58	$b\ ^2I_{5\frac{1}{2}}$—$x\ ^2H^\circ_{5\frac{1}{2}}$
2834. 416	40*Z*	35270. 26	$a\ ^4D_{3\frac{1}{2}}$—$z\ ^4F^\circ_{3\frac{1}{2}}$
2833. 796	8	35277. 98	$b\ ^2H_{4\frac{1}{2}}$—$w\ ^4F^\circ_{4\frac{1}{2}}$ $a\ ^4G_{4\frac{1}{2}}$—$z\ ^6D^\circ_{4\frac{1}{2}}$
2833. 71	2*w*	35279. 05	
2833. 333	6	35283. 74	$b\ ^4F_{1\frac{1}{2}}$—$x\ ^4F^\circ_{2\frac{1}{2}}$
2832. 788	10	35290. 53	$b\ ^4F_{2\frac{1}{2}}$—$x\ ^4F^\circ_{2\frac{1}{2}}$
2832. 663	10	35292. 09	$b\ ^4F_{4\frac{1}{2}}$—$x\ ^4F^\circ_{4\frac{1}{2}}$
2832. 078	20*Z*	35299. 38	$a\ ^2F_{2\frac{1}{2}}$—$z\ ^2G^\circ_{3\frac{1}{2}}$
2832. 00	10*Z*	35300. 35	$b\ ^2D_{2\frac{1}{2}}$—$w\ ^4F^\circ_{3\frac{1}{2}}$
2831. 76	3	35303. 34	$b\ ^4G_{5\frac{1}{2}}$—$y\ ^2G^\circ_{4\frac{1}{2}}$
2831. 442	40*Z*	35307. 31	$b\ ^2H_{5\frac{1}{2}}$—$y\ ^2I^\circ_{6\frac{1}{2}}$
2830. 61	3*w*	35317. 68	
2829. 88	4	35326. 79	$b\ ^4F_{2\frac{1}{2}}$—$x\ ^4F^\circ_{3\frac{1}{2}}$ $a\ ^2H_{5\frac{1}{2}}$—$y\ ^4G^\circ_{4\frac{1}{2}}$
2829. 039	12*Z*	35337. 29	$b\ ^4F_{3\frac{1}{2}}$—$x\ ^4F^\circ_{3\frac{1}{2}}$
2827. 752	100*Z*	35353. 38	$a\ ^2H_{5\frac{1}{2}}$—$z\ ^2I^\circ_{6\frac{1}{2}}$
2827. 42	2	35357. 53	$d\ ^2G_{4\frac{1}{2}}$—$w\ ^4G^\circ_{5\frac{1}{2}}$
2827. 185	10*Z*	35360. 47	$b\ ^4D_{3\frac{1}{2}}$—$y\ ^4D^\circ_{3\frac{1}{2}}$
2826. 550	10	35368. 41	
2826. 017	6	35375. 08	$b\ ^4P_{1\frac{1}{2}}$—$y\ ^4F^\circ_{1\frac{1}{2}}$ $a\ ^4G_{3\frac{1}{2}}$—$z\ ^6D^\circ_{4\frac{1}{2}}$
2825. 95	4	35375. 92	
2825. 80	2	35377. 80	$a\ ^4G_{2\frac{1}{2}}$—$z\ ^6D^\circ_{2\frac{1}{2}}$ $c\ ^4D_{1\frac{1}{2}}$—$y\ ^2P^\circ_{1\frac{1}{2}}$
2825. 60	1	35380. 30	$a\ ^2H_{4\frac{1}{2}}$—$y\ ^4F^\circ_{3\frac{1}{2}}$
2825. 299	8*Z*	35384. 07	
2824. 188	8*Z*	35397. 99	$c\ ^2G_{3\frac{1}{2}}$—$w\ ^2D^\circ_{3\frac{1}{2}}$
2822. 937	10*Z*	35413. 68	$b\ ^4P_{1\frac{1}{2}}$—$y\ ^4G^\circ_{2\frac{1}{2}}$ $a\ ^4F_{2\frac{1}{2}}$—$y\ ^4D^\circ_{2\frac{1}{2}}$
2822. 416	7	35420. 21	
2822. 035	12*Z*	35424. 99	$a\ ^6D_{0\frac{1}{2}}$—$z\ ^4P^\circ_{0\frac{1}{2}}$
2821. 843	18*Z*	35427. 40	$b\ ^2H_{4\frac{1}{2}}$—$y\ ^2I^\circ_{5\frac{1}{2}}$
2821. 02	10*wlZ*	35437. 74	
2820. 38	3*w*	35445. 78	
2820. 22	2*h*	35447. 79	$a\ ^2D_{2\frac{1}{2}}$—$z\ ^4H^\circ_{3\frac{1}{2}}$
2820. 018	8*Z*	35450. 33	
2819. 594	8*Z*	35455. 66	
2818. 98	5	35463. 38	
2818. 81	2	35465. 52	
2818. 56	2*hl*	35468. 67	$b\ ^4D^\circ_{0\frac{1}{2}}$—$z\ ^2D^\circ_{1\frac{1}{2}}$
2817. 54	15*Z*	35481. 51	$b\ ^4G_{4\frac{1}{2}}$—$y\ ^2G^\circ_{4\frac{1}{2}}$
2817. 44	15*Z*	35482. 77	$a\ ^2H_{4\frac{1}{2}}$—$y\ ^4G^\circ_{5\frac{1}{2}}$ $a\ ^4P_{0\frac{1}{2}}$—$z\ ^4F^\circ_{1\frac{1}{2}}$
2816. 50	4	35494. 61	$a\ ^4F_{3\frac{1}{2}}$—$y\ ^4D^\circ_{2\frac{1}{2}}$
2816. 153	150*Z*	35498. 98	$a\ ^6D_{4\frac{1}{2}}$—$z\ ^6F^\circ_{5\frac{1}{2}}$
2815. 80	4*w*	35503. 43	
2815. 46	3	35507. 72	$b\ ^2F_{3\frac{1}{2}}$—$y\ ^4G^\circ_{3\frac{1}{2}}$
2814. 997	3*Z*	35513. 56	$b\ ^2F_{2\frac{1}{2}}$—$y\ ^4F^\circ_{2\frac{1}{2}}$
2814. 678	12*Z*	35517. 58	$b\ ^4F_{2\frac{1}{2}}$—$z\ ^2F^\circ_{2\frac{1}{2}}$
2814. 123	8*Z*	35524. 59	$c\ ^4D_{1\frac{1}{2}}$—$x\ ^4P^\circ_{0\frac{1}{2}}$
2813. 34	4*Z*	35534. 47	
2813. 191	5	35536. 35	
2812. 65	4*Z*	35543. 21	$b\ ^2F_{3\frac{1}{2}}$—$y\ ^4G^\circ_{4\frac{1}{2}}$
2812. 612	6*Z*	35543. 67	$a\ ^4F_{2\frac{1}{2}}$—$z\ ^4G^\circ_{3\frac{1}{2}}$
2812. 04	1	35550. 90	
2811. 90	1	35552. 67	
2811. 387	3*Z*	35559. 16	$b\ ^2D_{1\frac{1}{2}}$—$y\ ^2P^\circ_{0\frac{1}{2}}$
2811. 165	8*Z*	35561. 97	$b\ ^2D_{2\frac{1}{2}}$—$x\ ^4P^\circ_{1\frac{1}{2}}$ $b\ ^4G_{2\frac{1}{2}}$—$y\ ^2F^\circ_{3\frac{1}{2}}$
2810. 45	3*Z*	35571. 01	$b\ ^2I_{6\frac{1}{2}}$—$x\ ^2H^\circ_{5\frac{1}{2}}$
2810. 25	3	35573. 54	$a\ ^2H_{4\frac{1}{2}}$—$y\ ^4H^\circ_{3\frac{1}{2}}$ $b\ ^4G_{2\frac{1}{2}}$—$y\ ^2F^\circ_{2\frac{1}{2}}$
2809. 72	2	35580. 25	$a\ ^2H_{6\frac{1}{2}}$—$y\ ^4G^\circ_{5\frac{1}{2}}$
2808. 974	10*Z*	35589. 70	$b\ ^4D_{2\frac{1}{2}}$—$y\ ^4D^\circ_{3\frac{1}{2}}$
2808. 473	5*Z*	35596. 05	
2808. 09	3	35600. 91	$c\ ^2G_{3\frac{1}{2}}$—$v\ ^2F^\circ_{3\frac{1}{2}}$
2807. 750	100*Z*	35605. 22	$b\ ^2I_{5\frac{1}{2}}$—$w\ ^2G^\circ_{4\frac{1}{2}}$ $a\ ^6D_{2\frac{1}{2}}$—$z\ ^4P^\circ_{1\frac{1}{2}}$
2807. 016	15*Z*	35614. 53	$a\ ^4H_{6\frac{1}{2}}$—$z\ ^2I^\circ_{5\frac{1}{2}}$
2806. 193	8*Z*	35624. 97	$a\ ^4F_{3\frac{1}{2}}$—$z\ ^4G^\circ_{5\frac{1}{2}}$
2805. 70	1*w*	35631. 23	$b\ ^2F_{3\frac{1}{2}}$—$y\ ^4G^\circ_{3\frac{1}{2}}$ $b\ ^4D_{3\frac{1}{2}}$—$z\ ^2G^\circ_{4\frac{1}{2}}$
2804. 59	1	35645. 33	$a\ ^4F_{4\frac{1}{2}}$—$z\ ^4G^\circ_{3\frac{1}{2}}$
2802. 360	15	35673. 70	$a\ ^4P_{1\frac{1}{2}}$—$z\ ^4F^\circ_{1\frac{1}{2}}$
2801. 244	10	35687. 91	
2800. 745	10*Z*	35694. 27	$b\ ^2F_{3\frac{1}{2}}$—$y\ ^4F^\circ_{3\frac{1}{2}}$
2800. 363	10	35699. 13	
2800. 057	8*Z*	35703. 03	$a\ ^4F_{1\frac{1}{2}}$—$z\ ^2D^\circ_{1\frac{1}{2}}$
2798. 910	10*Z*	35717. 67	$a\ ^2F_{3\frac{1}{2}}$—$z\ ^4G^\circ_{4\frac{1}{2}}$
2798. 070	20*Z*	35728. 39	$b\ ^4P_{2\frac{1}{2}}$—$z\ ^4S^\circ_{1\frac{1}{2}}$
2796. 93	5*eZ*		
2796. 777	8*Z*	35744. 91	$b\ ^4G_{2\frac{1}{2}}$—$y\ ^2D^\circ_{1\frac{1}{2}}$
2796. 342	5*Z*	35750. 46	$c\ ^2F_{2\frac{1}{2}}$—$w\ ^2D^\circ_{1\frac{1}{2}}$
2794. 604	5*Z*	35772. 70	$a\ ^2H_{4\frac{1}{2}}$—$y\ ^4H^\circ_{4\frac{1}{2}}$
2794. 38	1	35775. 57	
2792. 387	5*w*	35801. 10	
2791. 553	50*Z*	35811. 79	$b\ ^4G_{3\frac{1}{2}}$—(3)$^\circ_{3\frac{1}{2}}$
2790. 427	30*Z*	35826. 24	$a\ ^4F_{3\frac{1}{2}}$—$z\ ^4I^\circ_{4\frac{1}{2}}$
2789. 485	2	35838. 34	
2789. 10	1	35843. 29	
2788. 86	5	35846. 37	$a\ ^4F_{4\frac{1}{2}}$—$z\ ^4I^\circ_{4\frac{1}{2}}$
2788. 660	8	35848. 94	
2787. 558	1	35863. 12	$b\ ^4F_{3\frac{1}{2}}$—$y^2G^\circ_{3\frac{1}{2}}$

TABLE 1. *Wavelengths and term combinations of* Mo II—Continued

Wavelength λ_{air}	Intensity	Wave No.	Term combination
2787. 321	5*Z*	35866. 16	$a\ ^2F_{2\frac{1}{2}}$—$y\ ^4D^\circ_{3\frac{1}{2}}$
			$a\ ^4H_{6\frac{1}{2}}$—$z\ ^2I^\circ_{6\frac{1}{2}}$
2786. 99	1	35870. 42	$a\ ^2H_{5\frac{1}{2}}$—$y\ ^4H^\circ_{4\frac{1}{2}}$
2786. 73	1	35873. 77	$b\ ^4F_{2\frac{1}{2}}$—$z\ ^4S^\circ_{1\frac{1}{2}}$
			$b\ ^4G_{4\frac{1}{2}}$—$x\ ^4G^\circ_{3\frac{1}{2}}$
2786. 240	5*Z*	35880. 08	$b\ ^4D_{2\frac{1}{2}}$—$z\ ^2D^\circ_{2\frac{1}{2}}$
2785. 638	8*Z*	35887. 83	$b\ ^2F_{3\frac{1}{2}}$—$y\ ^4H^\circ_{3\frac{1}{2}}$
2784. 990	50*Z*	35896. 18	$a\ ^4D_{3\frac{1}{2}}$—$z\ ^4F^\circ_{4\frac{1}{2}}$
2784. 17	2	35906. 75	$a\ ^4F_{2\frac{1}{2}}$—$z\ ^2D^\circ_{1\frac{1}{2}}$
			$c\ ^2D_{2\frac{1}{2}}$—$v\ ^2D^\circ_{2\frac{1}{2}}$
2784. 13	10*Z*	35907. 27	
2781. 967	8*wZ*	35935. 19	
2781. 265	2	35944. 25	
2781. 07	2	35946. 77	$b\ ^4P_{0\frac{1}{2}}$—$x\ ^4D^\circ_{1\frac{1}{2}}$
2780. 022	50*Z*	35960. 33	$a\ ^6D_{3\frac{1}{2}}$—$z\ ^4P^\circ_{2\frac{1}{2}}$
2779. 244	15*Z*	35970. 39	
2778. 88	1	35975. 10	$b\ ^4F_{2\frac{1}{2}}$—$y\ ^2G^\circ_{3\frac{1}{2}}$
2778. 56	1	35979. 25	
2778. 37	1	35981. 71	
2777. 86	15*Z*	35988. 31	$a\ ^6D_{1\frac{1}{2}}$—$z\ ^4P^\circ_{1\frac{1}{2}}$
2776. 94	1	36000. 23	$b\ ^4G_{5\frac{1}{2}}$—$x\ ^4G^\circ_{4\frac{1}{2}}$
2776. 685	15*Z*	36003. 54	$a\ ^4H_{4\frac{1}{2}}$—$x\ ^4D^\circ_{3\frac{1}{2}}$
2776. 48	1	36006. 20	
2775. 386	50*Z*	36020. 39	$a\ ^6D_{4\frac{1}{2}}$—$z\ ^6P^\circ_{3\frac{1}{2}}$
2774. 401	20*Z*	36033. 18	$a\ ^4P_{1\frac{1}{2}}$—$z\ ^4F^\circ_{2\frac{1}{2}}$
			$b\ ^4G_{2\frac{1}{2}}$—$x\ ^4G^\circ_{2\frac{1}{2}}$
2773. 804	12*Z*	36040. 93	$a\ ^4P_{2\frac{1}{2}}$—$z\ ^4F^\circ_{2\frac{1}{2}}$
			$b\ ^4F_{4\frac{1}{2}}$—$z\ ^2H^\circ_{5\frac{1}{2}}$
2771. 97	1	36064. 78	
2771. 710	12*Z*	36068. 16	$b\ ^4G_{3\frac{1}{2}}$—$x\ ^4G^\circ_{3\frac{1}{2}}$
2770. 934	4	36078. 26	
2770. 597	12*Z*	36082. 65	
2770. 178	5*Z*	36088. 11	$c\ ^2F_{3\frac{1}{2}}$—$w\ ^2D^\circ_{2\frac{1}{2}}$
2769. 762	25*Z*	36093. 52	$a\ ^4H_{6\frac{1}{2}}$—$y\ ^4G^\circ_{5\frac{1}{2}}$
2766. 824	8	36131. 85	$b\ ^4G_{2\frac{1}{2}}$—$(3)^\circ_{3\frac{1}{2}}$
2766. 198	15	36140. 03	$b\ ^2I_{5\frac{1}{2}}$—$w\ ^2H^\circ_{5\frac{1}{2}}$
2765. 28	2	36152. 02	$a\ ^2H_{4\frac{1}{2}}$—$z\ ^2F^\circ_{3\frac{1}{2}}$
2765. 09	3	36154. 51	
2764. 954	4	36156. 29	$a\ ^2F_{2\frac{1}{2}}$—$z\ ^2D^\circ_{2\frac{1}{2}}$
			$a\ ^2H_{5\frac{1}{2}}$—$y\ ^4F^\circ_{4\frac{1}{2}}$
2764. 66	1	36160. 13	
2764. 53	2	36161. 83	
2764. 38	1	36163. 79	
2763. 626	20*Z*	36173. 66	$a\ ^4G_{2\frac{1}{2}}$—$z\ ^4F^\circ_{1\frac{1}{2}}$
2763. 305	7*Z*	36177. 86	$b\ ^4G_{4\frac{1}{2}}$—$x\ ^4G^\circ_{4\frac{1}{2}}$
2763. 185	2	36179. 43	
2762. 455	7*Z*	36188. 99	$a\ ^2D_{1\frac{1}{2}}$—$z\ ^4G^\circ_{2\frac{1}{2}}$
			$a\ ^2G_{3\frac{1}{2}}$—$(1)^\circ_{2\frac{1}{2}}$
2761. 803	5	36197. 54	
2761. 39	1	36202. 95	
2760. 537	18*Z*	36214. 14	$a\ ^4H_{5\frac{1}{2}}$—$y\ ^4G^\circ_{4\frac{1}{2}}$
2760. 103	2*Z*	36219. 83	
2759. 70	2	36225. 12	
2759. 204	4*Z*	36231. 63	$c\ ^4D_{2\frac{1}{2}}$—$w\ ^2F^\circ_{3\frac{1}{2}}$
2758. 633	7*Z*	36239. 13	$b\ ^4P_{2\frac{1}{2}}$—$y\ ^2F^\circ_{3\frac{1}{2}}$
			$a\ ^6D_{0\frac{1}{2}}$—$z\ ^4P^\circ_{1\frac{1}{2}}$
2758. 51	7*Z*	36240. 75	$a\ ^4H_{5\frac{1}{2}}$—$z\ ^2I^\circ_{6\frac{1}{2}}$
2757. 93	4	36248. 37	$b\ ^4F_{4\frac{1}{2}}$—$y\ ^2H^\circ_{4\frac{1}{2}}$
2757. 54	1	36253. 49	
2757. 20	1*w*	36257. 96	
2756. 065	50*Z*	36272. 90	
2755. 88	2	36275. 33	
2755. 15	1	36284. 94	
2754. 88	2	36288. 50	$b\ ^2F_{2\frac{1}{2}}$—$x\ ^4F^\circ_{2\frac{1}{2}}$
2754. 70	3	36290. 87	$c\ ^2F_{3\frac{1}{2}}$—$v\ ^3F^\circ_{3\frac{1}{2}}$
2754. 49	10*Z*	36293. 63	$a\ ^2P_{1\frac{1}{2}}$—$x\ ^2D^\circ_{2\frac{1}{2}}$
			$b\ ^4F_{3\frac{1}{2}}$—$y\ ^2H^\circ_{4\frac{1}{2}}$
2753. 95	2	36300. 75	$a\ ^4H_{3\frac{1}{2}}$—$x\ ^4D^\circ_{2\frac{1}{2}}$
2753. 82	10*Z*	36302. 46	$a\ ^4F_{4\frac{1}{2}}$—$z\ ^2G^\circ_{3\frac{1}{2}}$
2753. 34	2	36308. 79	
2753. 03	1	36312. 88	
2752. 63	3*w*	36318. 16	$a\ ^2P^\circ_{0\frac{1}{2}}$—$x\ ^4P^\circ_{1\frac{1}{2}}$
2752. 49	3*w*	36320. 00	
2752. 26	2*s*	36323. 04	
2750. 635	1	36344. 50	$b\ ^4D_{2\frac{1}{2}}$—$y\ ^4P^\circ_{1\frac{1}{2}}$
2750. 40	3	36347. 60	
2750. 027	40*Z*	36352. 53	$b\ ^4G_{5\frac{1}{2}}$—$x\ ^4G^\circ_{5\frac{1}{2}}$
2749. 83	3	36355. 14	
2749. 18	1	36363. 73	
2748. 74	1	36369. 55	
2748. 44	7*Z*	36373. 52	$a\ ^4F_{3\frac{1}{2}}$—$z\ ^4G^\circ_{4\frac{1}{2}}$
2747. 65	4	36383. 98	$b\ ^4F_{2\frac{1}{2}}$—$y\ ^2F^\circ_{3\frac{1}{2}}$
			$a\ ^4H_{3\frac{1}{2}}$—$y\ ^4P^\circ_{2\frac{1}{2}}$
2747. 155	6*Z*	36390. 53	$b\ ^4F_{4\frac{1}{2}}$—$y\ ^2H_{5\frac{1}{2}}$
2746. 305	35*Z*	36401. 80	$a\ ^4G_{3\frac{1}{2}}$—$z\ ^4F^\circ_{2\frac{1}{2}}$
2745. 60	2	36411. 14	
2745. 293	8*Z*	36415. 21	$a\ ^2H_{4\frac{1}{2}}$—$y\ ^4H^\circ_{5\frac{1}{2}}$
2744. 478	2	36426. 03	
2744. 193	25*Z*	36429. 81	$a\ ^4H_{4\frac{1}{2}}$—$y\ ^4G^\circ_{3\frac{1}{2}}$
2743. 587	2	36437. 86	$c\ ^2G_{4\frac{1}{2}}$—$u\ ^2F^\circ_{3\frac{1}{2}}$
2743. 185	25*Z*	36443. 20	$a\ ^6D_{2\frac{1}{2}}$—$z\ ^4P^\circ_{2\frac{1}{2}}$
2742. 888	20*Z*	36447. 14	$b\ ^2I_{6\frac{1}{2}}$—$w\ ^2H^\circ_{5\frac{1}{2}}$
2741. 627	15*Z*	36463. 90	$a\ ^2F_{3\frac{1}{2}}$—$z\ ^2G^\circ_{4\frac{1}{2}}$
2741. 489	2	36465. 74	$a\ ^4H_{4\frac{1}{2}}$—$y\ ^4G^\circ_{4\frac{1}{2}}$
2741. 432	1*Z*	36466. 50	$b\ ^2F_{3\frac{1}{2}}$—$z\ ^2F^\circ_{3\frac{1}{2}}$
2741. 314	15*Z*	36468. 07	$a\ ^4H_{5\frac{1}{2}}$—$y\ ^4G^\circ_{5\frac{1}{2}}$
2740. 367	2	36480. 67	
2740. 06	3*Z*	36484. 78	
2739. 360	3	36494. 08	$a\ ^2S_{0\frac{1}{2}}$—$y\ ^2D^\circ_{1\frac{1}{2}}$
2738. 913	3	36500. 03	
2738. 637	30*Z*	36503. 71	$a\ ^2H_{5\frac{1}{2}}$—$z\ ^2H^\circ_{4\frac{1}{2}}$
2737. 99	3	36512. 34	$a\ ^2G_{3\frac{1}{2}}$—$y\ ^4G^\circ_{3\frac{1}{2}}$
2737. 868	15*Z*	36513. 97	$b\ ^2I_{5\frac{1}{2}}$—$w\ ^2H^\circ_{4\frac{1}{2}}$
2737. 727	5	36515. 85	$b\ ^2F_{2\frac{1}{2}}$—$z\ ^2F^\circ_{2\frac{1}{2}}$
2737. 107	10*Z*	36525. 45	
2736. 95	5*Z*	36526. 21	$a\ ^4P_{2\frac{1}{2}}$—$z\ ^4F^\circ_{3\frac{1}{2}}$
2736. 657	3	36530. 12	$b\ ^4G_{4\frac{1}{2}}$—$x\ ^4G^\circ_{5\frac{1}{2}}$
2736. 420	8	36533. 29	$a\ ^4G_{2\frac{1}{2}}$—$z\ ^4F^\circ_{2\frac{1}{2}}$
2735. 708	8	36542. 79	
2735. 318	10*Z*	36548. 00	$a\ ^2G_{3\frac{1}{2}}$—$y\ ^4G^\circ_{4\frac{1}{2}}$
2734. 997	5	36552. 29	$c\ ^4D_{3\frac{1}{2}}$—$w\ ^2F^\circ_{3\frac{1}{2}}$
2734. 90	1	36553. 59	
2734. 382	8	36560. 51	$b\ ^4F_{1\frac{1}{2}}$—$y\ ^2D^\circ_{1\frac{1}{2}}$
2733. 37	5	36574. 05	
2733. 126	3	36577. 31	
2732. 889	15*Z*	36580. 48	$a\ ^6D_{3\frac{1}{2}}$—$z\ ^6P^\circ_{3\frac{1}{2}}$
2732. 648	5*Z*	36583. 71	$b\ ^2G_{3\frac{1}{2}}$—$w\ ^2F^\circ_{2\frac{1}{2}}$
2730. 943	8	36606. 55	$a\ ^2G_{3\frac{1}{2}}$—$(2)^\circ_{3\frac{1}{2}}$
2730. 212	25*Z*	36616. 35	$a\ ^4H_{4\frac{1}{2}}$—$y\ ^4F^\circ_{3\frac{1}{2}}$
2729. 680	20*Z*	36623. 49	$a\ ^6D_{2\frac{1}{2}}$—$z\ ^6P^\circ_{1\frac{1}{2}}$
2728. 903	3	36633. 91	$b\ ^4D_{2\frac{1}{2}}$—$z\ ^2P^\circ_{1\frac{1}{2}}$
2728. 718	10	36636. 40	

TABLE 1. *Wavelengths and term combinations of* Mo II—Continued

Wavelength λ_{air}	Intensity	Wave No.	Term combination
2728. 191	8Z	36643. 47	$b\ ^2D_{1\frac{1}{2}}$—$w\ ^2F^\circ_{2\frac{1}{2}}$
2727. 804	8Z	36648. 67	$b\ ^4G_{3\frac{1}{2}}$—$w\ ^4D^\circ_{3\frac{1}{2}}$
2727. 53	1	36652. 35	
2726. 983	100Z	36659. 71	$a\ ^2G_{4\frac{1}{2}}$—$z\ ^2I^\circ_{5\frac{1}{2}}$
2724. 897	1	36687. 77	
2724. 022	20Z	36699. 55	$a\ ^2H_{5\frac{1}{2}}$—$x\ ^4F^\circ_{4\frac{1}{2}}$ $a\ ^2I_{5\frac{1}{2}}$—$z\ ^4I^\circ_{4\frac{1}{2}}$
2723. 56	2Z	36705. 78	$b\ ^4F_{3\frac{1}{2}}$—$y\ ^2G^\circ_{4\frac{1}{2}}$
2723. 366	8Z	36708. 39	$a\ ^6D_{3\frac{1}{2}}$—$z\ ^6P^\circ_{2\frac{1}{2}}$
2722. 880	3	36714. 95	$c\ ^2G_{3\frac{1}{2}}$—$u\ ^2F^\circ_{2\frac{1}{2}}$
2722. 570	10Z	36719. 12	$a\ ^4H_{4\frac{1}{2}}$—$y\ ^4G^\circ_{5\frac{1}{2}}$
2721. 741	10Z	36730. 31	
2721. 28	1	36736. 53	
2720. 337	5	36749. 27	$b\ ^2G_{4\frac{1}{2}}$—$x\ ^2H^\circ_{4\frac{1}{2}}$
2719. 951	1	36754. 48	
2719. 80	1	36756. 52	
2719. 693	5Z	36757. 97	$b\ ^2F_{3\frac{1}{2}}$—$x\ ^4F^\circ_{2\frac{1}{2}}$ $a\ ^4H_{5\frac{1}{2}}$—$y\ ^4H^\circ_{4\frac{1}{2}}$
2719. 460	3	36761. 12	
2719. 196	8	36764. 69	
2718. 967	8Z	36767. 78	$a\ ^4F_{2\frac{1}{2}}$—$y\ ^4D^\circ_{3\frac{1}{2}}$
2718. 147	5	36778. 87	$a\ ^2P_{0\frac{1}{2}}$—$y\ ^2P^\circ_{1\frac{1}{2}}$
2717. 357	100Z	36789. 56	$a\ ^4G_{4\frac{1}{2}}$—$z\ ^4F^\circ_{3\frac{1}{2}}$
2716. 766	2	36797. 56	$b\ ^4D_{1\frac{1}{2}}$—$y\ ^4P^\circ_{1\frac{1}{2}}$ $b\ ^4F_{4\frac{1}{2}}$—$(3)^\circ_{3\frac{1}{2}}$
2716. 43	1	36802. 12	
2716. 148	3w	36805. 94	
2715. 850	2	36809. 98	$a\ ^4H_{4\frac{1}{2}}$—$y\ ^4H^\circ_{3\frac{1}{2}}$
2715. 593	2h	36813. 46	
2713. 501	30Z	36841. 84	$b\ ^4F_{3\frac{1}{2}}$—$(3)^\circ_{3\frac{1}{2}}$ $a\ ^6D_{4\frac{1}{2}}$—$z\ ^6D^\circ_{3\frac{1}{2}}$
2713. 38	1	36843. 48	$c\ ^4D_{2\frac{1}{2}}$—$x\ ^2D^\circ_{2\frac{1}{2}}$
2712. 955	3	36849. 25	$b\ ^4F_{1\frac{1}{2}}$—$x\ ^4G^\circ_{2\frac{1}{2}}$ $a\ ^2G_{4\frac{1}{2}}$—$y\ ^4G^\circ_{3\frac{1}{2}}$ $a\ ^4F_{3\frac{1}{2}}$—$y\ ^4D^\circ_{3\frac{1}{2}}$
2712. 53	2	36855. 03	$a\ ^4F_{1\frac{1}{2}}$—$z\ ^2D^\circ_{2\frac{1}{2}}$ $b\ ^4F_{2\frac{1}{2}}$—$x\ ^4G^\circ_{2\frac{1}{2}}$
2712. 346	20Z	36857. 53	$b\ ^2G_{3\frac{1}{2}}$—$x\ ^2H^\circ_{4\frac{1}{2}}$
2711. 879	1	36863. 87	
2711. 485	10Z	36869. 23	$a\ ^4F_{4\frac{1}{2}}$—$y\ ^4D^\circ_{3\frac{1}{2}}$
2710. 928	15Z	36876. 80	$a\ ^4H_{3\frac{1}{2}}$—$y\ ^4G^\circ_{3\frac{1}{2}}$
2710. 500	1	36882. 63	
2710. 207	15Z	36886. 62	$a\ ^4G_{3\frac{1}{2}}$—$z\ ^4F^\circ_{3\frac{1}{2}}$
2709. 765	10	36892. 63	$a\ ^2G_{3\frac{1}{2}}$—$y\ ^4H^\circ_{3\frac{1}{2}}$
2708. 957	3	36903. 63	$a\ ^2D_{2\frac{1}{2}}$—$y\ ^4D^\circ_{2\frac{1}{2}}$
2708. 499	2	36909. 88	
2708. 300	2	36912. 59	$a\ ^4H_{3\frac{1}{2}}$—$y\ ^4G^\circ_{4\frac{1}{2}}$
2708. 064	2	36915. 80	$b\ ^2F_{3\frac{1}{2}}$—$x\ ^4F^\circ_{4\frac{1}{2}}$
2707. 68	1	36921. 04	
2707. 33	1	36925. 81	$a\ ^2P_{0\frac{1}{2}}$—$x\ ^4P^\circ_{0\frac{1}{2}}$
2707. 014	8Z	36930. 12	$c\ ^2F_{2\frac{1}{2}}$—$x\ ^2P^\circ_{1\frac{1}{2}}$
2705. 956	3lZ	36944. 56	
2704. 928	10Z	36958. 60	$b\ ^2H_{4\frac{1}{2}}$—$x\ ^2H^\circ_{4\frac{1}{2}}$
2704. 274	5	36967. 54	
2703. 857	5Z	36973. 24	$b\ ^2F_{2\frac{1}{2}}$—$y\ ^2G^\circ_{3\frac{1}{2}}$
2703. 618	8	36976. 51	$a\ ^2D_{1\frac{1}{2}}$—$z\ ^2D^\circ_{1\frac{1}{2}}$
2703. 08	3Z	36983. 87	$b\ ^2F_{3\frac{1}{2}}$—$z\ ^2F^\circ_{2\frac{1}{2}}$
2702. 870	5Z	36986. 74	$a\ ^2G_{3\frac{1}{2}}$—$y\ ^4F^\circ_{2\frac{1}{2}}$
2702. 502	8	36991. 78	
2701. 875	20Z	37000. 36	$b\ ^4D_{3\frac{1}{2}}$—$x\ ^4D^\circ_{2\frac{1}{2}}$ $a\ ^4H_{3\frac{1}{2}}$—$y\ ^4G^\circ_{2\frac{1}{2}}$
2701. 409	50Z	37006. 74	$a\ ^6D_{1\frac{1}{2}}$—$z\ ^6P^\circ_{1\frac{1}{2}}$
2701. 22	2	37009. 33	$a\ ^4H_{4\frac{1}{2}}$—$y\ ^4H^\circ_{4\frac{1}{2}}$
2700. 580	2w	37018. 10	$a\ ^4G_{2\frac{1}{2}}$—$z\ ^4F^\circ_{3\frac{1}{2}}$
2700. 430	1	37020. 16	
2699. 990	10Z	37026. 19	$a\ ^4H_{6\frac{1}{2}}$—$y\ ^4H^\circ_{5\frac{1}{2}}$
2699. 404	30Z	37034. 23	$a\ ^2D_{2\frac{1}{2}}$—$z\ ^4G^\circ_{3\frac{1}{2}}$
2699. 26	2	37036. 20	$a\ ^2G_{4\frac{1}{2}}$—$y\ ^4F^\circ_{3\frac{1}{2}}$
2698. 17	1	37051. 16	
2698. 049	2	37052. 83	$b\ ^4F_{4\frac{1}{2}}$—$x\ ^4G^\circ_{3\frac{1}{2}}$
2697. 68	1	37057. 89	$a\ ^4F_{2\frac{1}{2}}$—$z\ ^2D^\circ_{2\frac{1}{2}}$
2697. 51	5	37060. 23	$c\ ^2G_{3\frac{1}{2}}$—$u\ ^2F^\circ_{3\frac{1}{2}}$ $b\ ^4P_{2\frac{1}{2}}$—$y\ ^2D^\circ_{2\frac{1}{2}}$
2697. 249	8Z	37063. 81	$a\ ^4H_{3\frac{1}{2}}$—$y\ ^4F^\circ_{3\frac{1}{2}}$ $a\ ^6D_{2\frac{1}{2}}$—$z\ ^6P^\circ_{3\frac{1}{2}}$
2696. 839	30Z	37069. 45	$b\ ^2H_{5\frac{1}{2}}$—$x\ ^2H^\circ_{5\frac{1}{2}}$
2695. 80	4	37083. 73	$b\ ^4D_{3\frac{1}{2}}$—$y\ ^4P^\circ_{2\frac{1}{2}}$
2695. 72	4	37084. 83	$b\ ^4D_{0\frac{1}{2}}$—$y\ ^4P^\circ_{1\frac{1}{2}}$
2695. 217	35Z	37091. 75	$a\ ^2G_{3\frac{1}{2}}$—$y\ ^4H^\circ_{4\frac{1}{2}}$ $a\ ^4F_{4\frac{1}{2}}$—$z\ ^4I^\circ_{5\frac{1}{2}}$
2694. 72	8Z	37098. 60	$b\ ^4F_{3\frac{1}{2}}$—$x\ ^4G^\circ_{3\frac{1}{2}}$
2693. 84	1w	37110. 71	
2693. 19	15Z	37119. 67	$a\ ^4F_{3\frac{1}{2}}$—$z\ ^2G^\circ_{4\frac{1}{2}}$
2692. 945	10Z	37123. 05	$b\ ^4P_{1\frac{1}{2}}$—$z\ ^4S^\circ_{1\frac{1}{2}}$
2692. 63	20Z	37127. 39	$a\ ^2H_{4\frac{1}{2}}$—$y\ ^2G^\circ_{3\frac{1}{2}}$
2692. 436	3	37130. 06	
2691. 82	1	37138. 56	$a\ ^2G_{4\frac{1}{2}}$—$y\ ^4G^\circ_{5\frac{1}{2}}$
2691. 698	10Z	37140. 24	$a\ ^4F_{4\frac{1}{2}}$—$z\ ^2G^\circ_{4\frac{1}{2}}$
2690. 980	10Z	37150. 16	$b\ ^4D_{3\frac{1}{2}}$—$x\ ^4D^\circ_{3\frac{1}{2}}$
2690. 26	1	37160. 10	
2690. 01	1	37163. 55	$c\ ^4D_{3\frac{1}{2}}$—$x\ ^2D^\circ_{2\frac{1}{2}}$
2689. 69	1	37167. 97	
2688. 24	1	37188. 02	$c\ ^4D_{1\frac{1}{2}}$—$x\ ^2D^\circ_{2\frac{1}{2}}$
2687. 994	60Z	37191. 42	$a\ ^6D_{2\frac{1}{2}}$—$z\ ^6P^\circ_{2\frac{1}{2}}$
2687. 597	5	37196. 92	
2686. 987	1	37205. 37	$b\ ^4F_{2\frac{1}{2}}$—$y\ ^2D^\circ_{2\frac{1}{2}}$
2686. 608	2	37210. 61	$b\ ^4F_{2\frac{1}{2}}$—$x\ ^4G^\circ_{3\frac{1}{2}}$
2685. 785	20Z	37222. 01	$b\ ^2D_{2\frac{1}{2}}$—$w\ ^2F^\circ_{3\frac{1}{2}}$
2685. 16	3	37230. 67	$b\ ^4D_{2\frac{1}{2}}$—$x\ ^4D^\circ_{2\frac{1}{2}}$
2684. 148	60Z	37244. 71	$a\ ^6D_{4\frac{1}{2}}$—$z\ ^6D^\circ_{4\frac{1}{2}}$
2683. 234	50Z	37257. 39	$a\ ^4H_{3\frac{1}{2}}$—$y\ ^4H^\circ_{3\frac{1}{2}}$ $a\ ^6D_{0\frac{1}{2}}$—$z\ ^6P^\circ_{1\frac{1}{2}}$
2682. 430	8Z	37268. 56	
2681. 373	40Z	37283. 25	$a\ ^4F_{4\frac{1}{2}}$—$z\ ^4G^\circ_{5\frac{1}{2}}$
2680. 516	2	37295. 17	$a\ ^4H_{4\frac{1}{2}}$—$y\ ^4F^\circ_{4\frac{1}{2}}$
2680. 134	1	37300. 49	$b\ ^4P_{0\frac{1}{2}}$—$x\ ^4F^\circ_{1\frac{1}{2}}$
2679. 86	4	37304. 30	
2678. 811	1	37318. 91	$a\ ^4F_{1\frac{1}{2}}$—$y\ ^4P^\circ_{1\frac{1}{2}}$
2678. 470	5Z	37323. 66	$c\ ^4D_{2\frac{1}{2}}$—$w\ ^2G^\circ_{3\frac{1}{2}}$
2677. 860	2	37332. 16	
2677. 00	1hZ	37344. 15	$a\ ^4D_{2\frac{1}{2}}$—$z\ ^4D^\circ_{1\frac{1}{2}}$
2676. 90	1h	37345. 55	
2676. 489	20Z	37351. 28	$a\ ^4H_{3\frac{1}{2}}$—$y\ ^4F^\circ_{2\frac{1}{2}}$
2676. 24	3	37354. 75	
2676. 06	1	37357. 27	$b\ ^4F_{4\frac{1}{2}}$—$x\ ^4G^\circ_{4\frac{1}{2}}$
2674. 753	2h	37375. 52	
2674. 468	1	37379. 50	$b\ ^4D_{2\frac{1}{2}}$—$x\ ^4D^\circ_{3\frac{1}{2}}$
2674. 30	1	37381. 85	$b\ ^2F_{2\frac{1}{2}}$—$y\ ^2F^\circ_{3\frac{1}{2}}$
2673. 27	40Z	37396. 25	$a\ ^2D_{2\frac{1}{2}}$—$z\ ^2D^\circ_{1\frac{1}{2}}$ $a\ ^4G_{5\frac{1}{2}}$—$z\ ^4F^\circ_{4\frac{1}{2}}$
2672. 84	60Z	37402. 27	$b\ ^4F_{3\frac{1}{2}}$—$x\ ^4G^\circ_{4\frac{1}{2}}$ $a\ ^6D_{3\frac{1}{2}}$—$z\ ^6D^\circ_{3\frac{1}{2}}$
2672. 29	1	37409. 97	$b\ ^2H_{5\frac{1}{2}}$—$w\ ^2G^\circ_{4\frac{1}{2}}$
2671. 86	40Z	37415. 99	$a\ ^4G_{4\frac{1}{2}}$—$z\ ^4F^\circ_{4\frac{1}{2}}$ $b\ ^2G_{4\frac{1}{2}}$—$x\ ^2H^\circ_{5\frac{1}{2}}$

TABLE 1. *Wavelengths and term combinations of* Mo II—Continued

Wavelength λ_{air}	Intensity	Wave No.	Term combination
2671. 34	1	37423. 27	$a\ ^2S_{0\frac{1}{2}}$—$w\ ^4D^\circ_{0\frac{1}{2}}$
2670. 955	10Z	37428. 66	$a\ ^2G_{4\frac{1}{2}}$—$y\ ^4H^\circ_{4\frac{1}{2}}$
2670. 019	10Z	37441. 78	$b\ ^2F_{3\frac{1}{2}}$—$y\ ^2G^\circ_{3\frac{1}{2}}$
2669. 584	3Z	37447. 89	$a\ ^2H_{5\frac{1}{2}}$—$z\ ^2H^\circ_{5\frac{1}{2}}$
2668. 982	2	37456. 33	$a\ ^4H_{3\frac{1}{2}}$—$y\ ^4H^\circ_{4\frac{1}{2}}$
2668. 577	2	37462. 02	$c\ ^4D_{3\frac{1}{2}}$—$w\ ^2G^\circ_{4\frac{1}{2}}$
2667. 944	10Z	37470. 90	$a\ ^2G_{3\frac{1}{2}}$—$z\ ^2F^\circ_{3\frac{1}{2}}$
2667. 38	10	37478. 83	
2667. 16	1	37481. 92	$b\ ^4D_{2\frac{1}{2}}$— (1)$^\circ_{2\frac{1}{2}}$
2666. 75	3	37487. 68	$a\ ^2H_{5\frac{1}{2}}$—$y\ ^4H^\circ_{6\frac{1}{2}}$
2666. 60	1	37489. 79	$b\ ^4F_{1\frac{1}{2}}$—$w\ ^4D^\circ_{0\frac{1}{2}}$
2666. 237	8	37494. 89	$c\ ^2G_{3\frac{1}{2}}$—$t\ ^2F^\circ_{2\frac{1}{2}}$
2665. 355	3	37507. 30	
2665. 05	2	37511. 59	
2664. 914	5Z	37513. 51	$a\ ^4D_{1\frac{1}{2}}$—$z\ ^4D^\circ_{1\frac{1}{2}}$ $a\ ^4G_{3\frac{1}{2}}$—$z\ ^4F^\circ_{4\frac{1}{2}}$
2664. 290	5Z	37522. 29	$a\ ^4F_{2\frac{1}{2}}$—$y\ ^4P^\circ_{1\frac{1}{2}}$ $b\ ^4F_{2\frac{1}{2}}$—$w\ ^4D^\circ_{1\frac{1}{2}}$
2663. 780	15Z	37529. 47	
2663. 541	2	37532. 84	
2662. 53	2	37547. 09	$a\ ^2P_{1\frac{1}{2}}$—$x\ ^2P^\circ_{0\frac{1}{2}}$ $b\ ^4G_{4\frac{1}{2}}$—$x\ ^2G^\circ_{3\frac{1}{2}}$
2662. 27	1	37550. 76	
2661. 97	1	37554. 99	
2661. 785	2	37557. 60	$a\ ^2H_{4\frac{1}{2}}$—$y\ ^2H^\circ_{4\frac{1}{2}}$
2661. 22	2	37565. 57	$b\ ^2F_{2\frac{1}{2}}$—$y\ ^2D^\circ_{1\frac{1}{2}}$
2661. 09	2	37567. 41	
2660. 581	100Z	37574. 60	$a\ ^6D_{1\frac{1}{2}}$—$z\ ^6P^\circ_{2\frac{1}{2}}$
2659. 720	5Z	37586. 76	$a\ ^4H_{5\frac{1}{2}}$—$x\ ^4F^\circ_{4\frac{1}{2}}$
2659. 540	1	37589. 30	$a\ ^2F_{2\frac{1}{2}}$—$y\ ^4P^\circ_{2\frac{1}{2}}$
2659. 195	1w	37594. 18	
2657. 930	8	37612. 07	$b\ ^4D_{3\frac{1}{2}}$—$y\ ^4G^\circ_{4\frac{1}{2}}$
2657. 387	8Z	37620. 80	
2657. 005	20Z	37625. 17	$b\ ^2H_{4\frac{1}{2}}$—$x\ ^2H^\circ_{5\frac{1}{2}}$
2656. 891	1	37626. 78	$b\ ^2D_{1\frac{1}{2}}$—$x\ ^2D^\circ_{2\frac{1}{2}}$
2656. 54	1	37631. 75	$c\ ^2G_{4\frac{1}{2}}$—$v\ ^2G^\circ_{4\frac{1}{2}}$
2656. 025	2	37639. 05	$b\ ^4G_{3\frac{1}{2}}$—$x\ ^2F^\circ_{2\frac{1}{2}}$
2655. 821	10Z	37641. 94	$a\ ^4H_{4\frac{1}{2}}$—$z\ ^2H^\circ_{4\frac{1}{2}}$
2655. 547	5	37645. 82	$b\ ^4P_{2\frac{1}{2}}$—$w\ ^4D^\circ_{2\frac{1}{2}}$
2655. 138	10Z	37651. 62	$b\ ^2D_{1\frac{1}{2}}$—$x\ ^2D^\circ_{1\frac{1}{2}}$ $a\ ^4H_{4\frac{1}{2}}$—$y\ ^4H^\circ_{5\frac{1}{2}}$
2654. 848	5Z	37655. 73	$a\ ^2F_{2\frac{1}{2}}$—$x\ ^4D^\circ_{3\frac{1}{2}}$ $a\ ^2H_{5\frac{1}{2}}$—$y\ ^2H^\circ_{4\frac{1}{2}}$
2653. 799	10Z	37670. 62	$b\ ^4D_{3\frac{1}{2}}$— (2)$^\circ_{3\frac{1}{2}}$
2653. 348	60Z	37677. 02	$a\ ^6D_{3\frac{1}{2}}$—$z\ ^6D^\circ_{2\frac{1}{2}}$
2652. 998	5	37681. 99	$b\ ^4F_{4\frac{1}{2}}$—$w\ ^4D^\circ_{3\frac{1}{2}}$
2652. 51	2	37688. 92	
2652. 368	8Z	37690. 94	$a\ ^2D_{2\frac{1}{2}}$—$z\ ^2G^\circ_{3\frac{1}{2}}$
2652. 165	8	37693. 82	$b\ ^4P_{2\frac{1}{2}}$—$w\ ^4D^\circ_{3\frac{1}{2}}$ $b\ ^4G_{3\frac{1}{2}}$—$x\ ^4P^\circ_{2\frac{1}{2}}$
2651. 733	30Z	37699. 96	$a\ ^2H_{4\frac{1}{2}}$—$y\ ^2H^\circ_{5\frac{1}{2}}$ $b\ ^4D_{3\frac{1}{2}}$—$y\ ^4G^\circ_{2\frac{1}{2}}$
2651. 06	8	37709. 53	$b\ ^4F_{4\frac{1}{2}}$—$x\ ^4G^\circ_{5\frac{1}{2}}$
2650. 327	3	37719. 96	
2650. 012	20Z	37724. 45	$a\ ^2G_{3\frac{1}{2}}$—$z\ ^2H^\circ_{4\frac{1}{2}}$
2649. 811	5	37727. 31	$b\ ^4F_{3\frac{1}{2}}$—$w\ ^4D^\circ_{3\frac{1}{2}}$
2649. 330	5	37734. 16	
2648. 225	20Z	37749. 90	$c\ ^2F_{3\frac{1}{2}}$—$u\ ^2F^\circ_{3\frac{1}{2}}$
2648. 08	1	37752. 00	
2647. 751	8	37756. 66	$b\ ^2G_{4\frac{1}{2}}$—$w\ ^2G^\circ_{4\frac{1}{2}}$
2647. 62	1	37758. 53	$a\ ^2F_{2\frac{1}{2}}$— (1)$^\circ_{2\frac{1}{2}}$
2647. 080	8Z	37766. 23	$b\ ^4D_{1\frac{1}{2}}$—$y\ ^4P^\circ_{2\frac{1}{2}}$
2646. 487	60Z	37774. 69	$a\ ^6D_{2\frac{1}{2}}$—$z\ ^6D^\circ_{1\frac{1}{2}}$
2646. 20	1	37778. 79	
2645. 63	3	37786. 93	
2645. 34	3	37791. 07	$b\ ^4F_{2\frac{1}{2}}$—$w\ ^4D^\circ_{2\frac{1}{2}}$
2644. 877	3Z	37797. 68	$a\ ^2G_{3\frac{1}{2}}$—$x\ ^4F^\circ_{3\frac{1}{2}}$ $a\ ^2H_{5\frac{1}{2}}$—$y\ ^2H^\circ_{5\frac{1}{2}}$
2644. 343	50Z	37805. 32	$b\ ^4D_{2\frac{1}{2}}$—$y\ ^4G^\circ_{3\frac{1}{2}}$ $a\ ^6D_{3\frac{1}{2}}$—$z\ ^6D^\circ_{4\frac{1}{2}}$
2644. 141	5Z	37808. 20	$a\ ^2G_{4\frac{1}{2}}$—$z\ ^2F^\circ_{3\frac{1}{2}}$
2643. 858	5	37812. 25	$a\ ^4F_{2\frac{1}{2}}$—$z\ ^2P^\circ_{1\frac{1}{2}}$
2643. 538	2	37816. 83	$b\ ^4P_{1\frac{1}{2}}$—$y\ ^2D^\circ_{1\frac{1}{2}}$
2642. 86	2	37826. 53	
2642. 40	15Z	37833. 11	$b\ ^2D_{2\frac{1}{2}}$—$x\ ^2D^\circ_{2\frac{1}{2}}$ $a\ ^2F_{3\frac{1}{2}}$—$x\ ^4D^\circ_{2\frac{1}{2}}$
2641. 189	5Z	37850. 46	$b\ ^2F_{3\frac{1}{2}}$—$y\ ^2F^\circ_{3\frac{1}{2}}$
2640. 88	12Z	37854. 89	
2640. 678	2	37857. 78	$c\ ^2F_{2\frac{1}{2}}$—$u\ ^2F^\circ_{3\frac{1}{2}}$
2639. 96	1	37868. 08	$a\ ^2I_{6\frac{1}{2}}$—$z\ ^4G^\circ_{5\frac{1}{2}}$
2639. 685	5Z	37872. 02	$b\ ^2F_{3\frac{1}{2}}$—$y\ ^2H^\circ_{4\frac{1}{2}}$ $a\ ^4D_{2\frac{1}{2}}$—$z\ ^4D^\circ_{2\frac{1}{2}}$
2639. 40	4	37876. 11	
2638. 768	100Z	37885. 18	$a\ ^6D_{2\frac{1}{2}}$—$z\ ^6D^\circ_{3\frac{1}{2}}$
2638. 412	5	37890. 29	$b\ ^4D_{2\frac{1}{2}}$—$y\ ^4F^\circ_{1\frac{1}{2}}$
2638. 31	5	37891. 76	$a\ ^4D_{0\frac{1}{2}}$—$z\ ^4D^\circ_{1\frac{1}{2}}$ $b\ ^4D_{1\frac{1}{2}}$—$x\ ^4D^\circ_{1\frac{1}{2}}$
2637. 08	1	37909. 43	
2636. 672	50Z	37915. 30	$a\ ^6D_{1\frac{1}{2}}$—$z\ ^6D^\circ_{0\frac{1}{2}}$
2636. 30	1	37920. 65	$a\ ^2G_{3\frac{1}{2}}$—$x\ ^4F^\circ_{4\frac{1}{2}}$
2635. 512	20Z	37931. 98	$b\ ^4G_{5\frac{1}{2}}$—$w\ ^4F^\circ_{4\frac{1}{2}}$
2635. 275	10Z	37935. 40	$b\ ^4D_{1\frac{1}{2}}$— (1)$^\circ_{2\frac{1}{2}}$
2634. 91	3	37940. 65	
2634. 623	3	37944. 78	$b\ ^2H_{5\frac{1}{2}}$—$w\ ^2H^\circ_{5\frac{1}{2}}$
2634. 104	10Z	37952. 26	$b\ ^2F_{2\frac{1}{2}}$— (3)$^\circ_{3\frac{1}{2}}$
2633. 816	1	37956. 41	$b\ ^4D_{3\frac{1}{2}}$—$y\ ^4H^\circ_{3\frac{1}{2}}$
2633. 67	1Z	37958. 51	$a\ ^4F_{1\frac{1}{2}}$—$z\ ^2P^\circ_{0\frac{1}{2}}$ $b\ ^4G_{2\frac{1}{2}}$—$x\ ^2F^\circ_{2\frac{1}{2}}$
2633. 52	100Z	37960. 67	$a\ ^4H_{6\frac{1}{2}}$—$z\ ^2H^\circ_{5\frac{1}{2}}$
2633. 136	10Z	37966. 21	$b\ ^2H_{4\frac{1}{2}}$—$w\ ^2G^\circ_{4\frac{1}{2}}$ $b\ ^4G_{4\frac{1}{2}}$—$w\ ^4F^\circ_{3\frac{1}{2}}$
2632. 855	10Z	37970. 26	$a\ ^2H_{4\frac{1}{2}}$—$y\ ^2G^\circ_{3\frac{1}{2}}$
2631. 564	20Z	37988. 89	$a\ ^2G_{3\frac{1}{2}}$—$z\ ^2F^\circ_{2\frac{1}{2}}$
2631. 05	10	37996. 32	$b\ ^4G_{3\frac{1}{2}}$—$w\ ^4F^\circ_{2\frac{1}{2}}$
2630. 741	80Z	38000. 78	$a\ ^4H_{6\frac{1}{2}}$—$y\ ^4H^\circ_{5\frac{1}{2}}$
2630. 227	20Z	38008. 20	$c\ ^2F_{3\frac{1}{2}}$—$t\ ^2F^\circ_{3\frac{1}{2}}$
2629. 854	10	38013. 59	$b\ ^4G_{2\frac{1}{2}}$—$z\ ^4P^\circ_{2\frac{1}{2}}$
2629. 652	20	38016. 51	
2629. 144	20	38023. 86	
2628. 74	5	38029. 70	
2627. 915	15Z	38041. 64	$a\ ^4D_{1\frac{1}{2}}$—$z\ ^4D^\circ_{2\frac{1}{2}}$
2627. 538	30	38047. 09	$b\ ^2G_{3\frac{1}{2}}$—$w\ ^2G^\circ_{3\frac{1}{2}}$
2627. 282	3	38050. 80	$b\ ^4D_{3\frac{1}{2}}$—$y\ ^4F^\circ_{2\frac{1}{2}}$
2626. 99	1h	38055. 03	
2626. 548	3	38061. 43	$a\ ^2G_{4\frac{1}{2}}$—$z\ ^2H^\circ_{5\frac{1}{2}}$ $b\ ^4G_{2\frac{1}{2}}$—$x\ ^2G^\circ_{3\frac{1}{2}}$
2626. 099	40Z	38067. 94	$a\ ^2H_{5\frac{1}{2}}$—$y\ ^2G^\circ_{4\frac{1}{2}}$
2625. 869	10Z	38071. 27	$a\ ^2G_{4\frac{1}{2}}$—$y\ ^4H^\circ_{3\frac{1}{2}}$ $c\ ^4D_{0\frac{1}{2}}$—$x\ ^2P^\circ_{0\frac{1}{2}}$
2625. 151	15Z	38081. 69	$a\ ^2F_{2\frac{1}{2}}$—$y\ ^4G^\circ_{3\frac{1}{2}}$ $b\ ^4G_{5\frac{1}{2}}$—$y\ ^2I^\circ_{5\frac{1}{2}}$
2624. 643	30Z	38089. 06	$a\ ^4H_{3\frac{1}{2}}$—$z\ ^2H^\circ_{4\frac{1}{2}}$
2623. 408	45Z	38106. 99	$a\ ^2H_{4\frac{1}{2}}$— (3)$^\circ_{3\frac{1}{2}}$
2623. 201	5	38109. 99	$b\ ^4G_{4\frac{1}{2}}$—$w\ ^4F^\circ_{4\frac{1}{2}}$

TABLE 1. *Wavelengths and term combinations of* Mo II—Continued

Wavelength λ_{air}	Intensity	Wave No.	Term combination
2622. 305	5	38123. 02	
2621. 945	5	38128. 25	$a\ ^2D_{1\frac{1}{2}}$—$z\ ^2D^\circ_{2\frac{1}{2}}$
2621. 524	15	38134. 37	$a\ ^2G_{4\frac{1}{2}}$—$x\ ^4F^\circ_{3\frac{1}{2}}$
2621. 43	1	38135. 74	$a\ ^2I_{5\frac{1}{2}}$—$z\ ^4G^\circ_{5\frac{1}{2}}$
2621. 28	1	38137. 92	
2621. 08	2	38140. 83	
2620. 656	20	38147. 00	$b\ ^4P_{0\frac{1}{2}}$—$z\ ^4S^\circ_{1\frac{1}{2}}$
2620. 053	30Z	38155. 78	$b\ ^4D_{3\frac{1}{2}}$—$y\ ^4H^\circ_{4\frac{1}{2}}$
2619. 759	15	38160. 06	$d\ ^2F_{2\frac{1}{2}}$—$u\ ^2G^\circ_{3\frac{1}{2}}$ $b\ ^4G_{3\frac{1}{2}}$—$w\ ^4F^\circ_{3\frac{1}{2}}$ $a\ ^6D_{2\frac{1}{2}}$—$z\ ^6D^\circ_{2\frac{1}{2}}$
2619. 636	10	38161. 85	$a\ ^4H_{3\frac{1}{2}}$—$x\ ^4F^\circ_{3\frac{1}{2}}$
2619. 340	30Z	38166. 17	$a\ ^2F_{2\frac{1}{2}}$—$y\ ^4F^\circ_{1\frac{1}{2}}$ $a\ ^6D_{0\frac{1}{2}}$—$z\ ^6D^\circ_{0\frac{1}{2}}$
2619. 13	1	38169. 23	$c\ ^4D_{2\frac{1}{2}}$—$w\ ^2D^\circ_{1\frac{1}{2}}$
2618. 97	2	38171. 56	
2618. 85	2	38173. 31	
2617. 993	10	38185. 80	$b\ ^4D_{2\frac{1}{2}}$—$y\ ^4H^\circ_{3\frac{1}{2}}$
2616. 646	3	38205. 46	$a\ ^2F_{2\frac{1}{2}}$—$y\ ^4G^\circ_{2\frac{1}{2}}$
2616. 430	2	38208. 61	$b\ ^2F_{2\frac{1}{2}}$—$x\ ^4G^\circ_{3\frac{1}{2}}$
2615. 63	1	38220. 30	
2614. 508	5	38236. 70	
2612. 28	10Z	38269. 32	$a\ ^4D_{3\frac{1}{2}}$—$z\ ^4D^\circ_{2\frac{1}{2}}$
2611. 53	1	38280. 30	$b\ ^4D_{2\frac{1}{2}}$—$y\ ^4F^\circ_{2\frac{1}{2}}$
2611. 03	1	38287. 63	$a\ ^4F_{1\frac{1}{2}}$—$y\ ^4P^\circ_{2\frac{1}{2}}$
2609. 215	50Z	38314. 26	$b\ ^2D_{2\frac{1}{2}}$—$w\ ^2G^\circ_{3\frac{1}{2}}$
2608. 88	10Z	38319. 19	$b\ ^2H_{5\frac{1}{2}}$—$w\ ^2H^\circ_{4\frac{1}{2}}$
2607. 781	10Z	38335. 33	$a\ ^4H_{5\frac{1}{2}}$—$z\ ^2H^\circ_{5\frac{1}{2}}$
2607. 24	3	38343. 28	$b\ ^4D_{1\frac{1}{2}}$—$y\ ^4F^\circ_{1\frac{1}{2}}$
2606. 88	1	38348. 58	$a\ ^4P_{0\frac{1}{2}}$—$z\ ^4D^\circ_{0\frac{1}{2}}$
2606. 60	50Z	38352. 71	
2605. 95	10Z	38362. 26	$a\ ^4D_{2\frac{1}{2}}$—$z\ ^4D^\circ_{3\frac{1}{2}}$
2605. 826	10Z	38364. 09	$a\ ^4H_{4\frac{1}{2}}$—$y\ ^2G^\circ_{3\frac{1}{2}}$
2605. 079	50	38375. 09	$a\ ^4H_{5\frac{1}{2}}$—$y\ ^4H^\circ_{5\frac{1}{2}}$
2604. 600	10Z	38382. 14	$b\ ^4D_{1\frac{1}{2}}$—$y\ ^4G^\circ_{2\frac{1}{2}}$
2604. 424	3	38384. 74	
2603. 41	2	38399. 69	$a\ ^2I_{6\frac{1}{2}}$—$z\ ^4I^\circ_{6\frac{1}{2}}$
2602. 802	80Z	38408. 66	$a\ ^2F_{3\frac{1}{2}}$—$y\ ^4G^\circ_{3\frac{1}{2}}$ $a\ ^6D_{0\frac{1}{2}}$—$z\ ^6D^\circ_{1\frac{1}{2}}$
2602. 497	5	38413. 16	$a\ ^4F_{1\frac{1}{2}}$—$x\ ^4D^\circ_{1\frac{1}{2}}$
2602. 241	3	38416. 93	
2601. 971	30Z	38420. 92	$b\ ^2F_{3\frac{1}{2}}$—(3)$^\circ_{3\frac{1}{2}}$
2600. 233	20	38446. 60	$a\ ^2G_{3\frac{1}{2}}$—$y\ ^2G^\circ_{3\frac{1}{2}}$
2600. 104	80Z	38448. 51	
2599. 552	10	38456. 67	$a\ ^4F_{1\frac{1}{2}}$—(1)$^\circ_{2\frac{1}{2}}$
2599. 39	15	38459. 07	
2599. 189	20Z	38462. 04	$a\ ^2F_{2\frac{1}{2}}$—$y\ ^4H^\circ_{3\frac{1}{2}}$
2597. 392	40Z	38488. 65	$a\ ^4F_{3\frac{1}{2}}$—$x\ ^4D^\circ_{2\frac{1}{2}}$
2596. 429	5Z	38502. 92	$a\ ^2F_{3\frac{1}{2}}$—(2)$^\circ_{3\frac{1}{2}}$
2595. 695	3	38513. 81	$c\ ^4D_{1\frac{1}{2}}$—$w\ ^2D^\circ_{1\frac{1}{2}}$
2594. 551	5	38530. 79	$c\ ^2G_{4\frac{1}{2}}$—$w\ ^4G^\circ_{4\frac{1}{2}}$
2594. 258	5	38535. 15	$b\ ^4D_{3\frac{1}{2}}$—$z\ ^2F^\circ_{3\frac{1}{2}}$ $d\ ^2F_{3\frac{1}{2}}$—$u\ ^2G^\circ_{3\frac{1}{2}}$
2593. 707	50Z	38543. 33	$a\ ^4H_{5\frac{1}{2}}$—$y\ ^2H^\circ_{4\frac{1}{2}}$ $a\ ^6D_{1\frac{1}{2}}$—$z\ ^6D^\circ_{2\frac{1}{2}}$
2593. 378	50Z	38548. 22	$a\ ^2D_{2\frac{1}{2}}$—$z\ ^2D^\circ_{2\frac{1}{2}}$
2592. 782	25Z	38557. 08	$a\ ^4F_{2\frac{1}{2}}$—$x\ ^4D^\circ_{3\frac{1}{2}}$
2592. 22	1	38565. 44	$b\ ^4D_{0\frac{1}{2}}$—$x\ ^4D^\circ_{0\frac{1}{2}}$
2592. 09	2	38567. 37	
2591. 776	30Z	38572. 05	$a\ ^4F_{3\frac{1}{2}}$—$y\ ^4P^\circ_{2\frac{1}{2}}$
2590. 792	2e	38586. 69	$a\ ^4H_{4\frac{1}{2}}$—$z\ ^2H^\circ_{5\frac{1}{2}}$
2590. 42	2	38592. 24	$a\ ^2D_{1\frac{1}{2}}$—$y\ ^4P^\circ_{1\frac{1}{2}}$
2590. 221	2	38595. 20	$a\ ^2F_{3\frac{1}{2}}$—$y\ ^4F^\circ_{3\frac{1}{2}}$
2589. 788	5	38601. 65	
2589. 54	1	38605. 35	
2588. 788	30Z	38616. 56	$a\ ^4F_{2\frac{1}{2}}$—$x\ ^4D^\circ_{1\frac{1}{2}}$
2587. 852	15Z	38630. 53	$b\ ^4D_{0\frac{1}{2}}$—$y\ ^4F^\circ_{1\frac{1}{2}}$
2587. 36	5	38637. 88	$c\ ^2F_{2\frac{1}{2}}$—$t\ ^2F^\circ_{2\frac{1}{2}}$
2587. 32	3	38638. 47	$a\ ^4F_{3\frac{1}{2}}$—$x\ ^4D^\circ_{3\frac{1}{2}}$
2587. 046	15Z	38642. 56	
2585. 966	20Z	38658. 70	$a\ ^4F_{4\frac{1}{2}}$—$x\ ^4D^\circ_{3\frac{1}{2}}$
2585. 490	8	38665. 82	$b\ ^2G_{4\frac{1}{2}}$—$w\ ^2H^\circ_{3\frac{1}{2}}$
2585. 077	10Z	38671. 99	$b\ ^2F_{3\frac{1}{2}}$—$y\ ^2D^\circ_{2\frac{1}{2}}$
2584. 94	1	38674. 04	
2584. 728	5Z	38677. 22	$b\ ^2F_{3\frac{1}{2}}$—$x\ ^4G^\circ_{3\frac{1}{2}}$
2584. 196	10Z	38685. 18	$a\ ^4H_{5\frac{1}{2}}$—$y\ ^2H^\circ_{5\frac{1}{2}}$
2583. 95	1Z	38688. 86	
2583. 821	10Z	38690. 79	$b\ ^4P_{2\frac{1}{2}}$—$x\ ^4P^\circ_{2\frac{1}{2}}$
2582. 39	2h	38712. 23	
2582. 38	2	38712. 38	
2580. 984	20Z	38733. 32	$b\ ^4D_{1\frac{1}{2}}$—$y\ ^4F^\circ_{2\frac{1}{2}}$
2580. 67	1	38738. 03	$b\ ^4P_{2\frac{1}{2}}$—$x\ ^2G^\circ_{3\frac{1}{2}}$
2580. 482	3Z	38740. 85	$a\ ^4F_{3\frac{1}{2}}$—(1)$^\circ_{2\frac{1}{2}}$
2580. 31	1	38743. 44	
2580. 14	1	38745. 99	$b\ ^4P_{1\frac{1}{2}}$—$w\ ^4D^\circ_{0\frac{1}{2}}$
2579. 67	5	38753. 05	
2579. 437	20Z	38756. 55	$a\ ^6D_{4\frac{1}{2}}$—$z\ ^4F^\circ_{3\frac{1}{2}}$
2578. 910	50	38764. 47	$a\ ^2H_{5\frac{1}{2}}$—$x\ ^4G^\circ_{4\frac{1}{2}}$ $b\ ^4D_{2\frac{1}{2}}$—$z\ ^2F^\circ_{3\frac{1}{2}}$
2578. 347	40Z	38772. 93	$a\ ^4H_{4\frac{1}{2}}$—$y\ ^2F^\circ_{3\frac{1}{2}}$
2578. 06	5	38777. 25	
2576. 913	5	38794. 50	$a\ ^4H_{4\frac{1}{2}}$—$y\ ^2H^\circ_{4\frac{1}{2}}$
2576. 70	5	38797. 72	$a\ ^4P^\circ_{0\frac{1}{2}}$—$z\ ^4D^\circ_{1\frac{1}{2}}$
2576. 565	30Z	38799. 74	$a\ ^2P_{1\frac{1}{2}}$—$x\ ^2P^\circ_{1\frac{1}{2}}$ $b\ ^4P_{2\frac{1}{2}}$—$w\ ^4F^\circ_{1\frac{1}{2}}$ $a\ ^4F_{1\frac{1}{2}}$—$x\ ^4D^\circ_{0\frac{1}{2}}$
2575. 807	10Z	38811. 16	$a\ ^4H_{3\frac{1}{2}}$—$y\ ^2G^\circ_{3\frac{1}{2}}$
2574. 425	30Z	38831. 99	$a\ ^6D_{3\frac{1}{2}}$—$z\ ^4F^\circ_{2\frac{1}{2}}$
2574. 166	1	38835. 90	$b\ ^4F_{2\frac{1}{2}}$—$x\ ^4P^\circ_{2\frac{1}{2}}$
2573. 84	1	38840. 82	$b\ ^4P_{0\frac{1}{2}}$—$y\ ^2D^\circ_{1\frac{1}{2}}$
2573. 697	15	38842. 98	
2572. 873	10	38855. 42	$a\ ^2G_{3\frac{1}{2}}$—$y\ ^2F^\circ_{3\frac{1}{2}}$
2572. 475	10	38861. 43	$b\ ^4D_{3\frac{1}{2}}$—$x\ ^4F^\circ_{3\frac{1}{2}}$
2572. 241	30Z	38864. 96	$a\ ^4F_{1\frac{1}{2}}$—$y\ ^4F^\circ_{1\frac{1}{2}}$
2571. 447	20Z	38876. 96	$a\ ^2G_{3\frac{1}{2}}$—$y\ ^2H^\circ_{4\frac{1}{2}}$
2571. 245	20Z	38880. 02	$b\ ^2D_{1\frac{1}{2}}$—$x\ ^2P^\circ_{0\frac{1}{2}}$
2571. 028	10	38883. 30	$a\ ^2F_{3\frac{1}{2}}$—$y\ ^4F^\circ_{2\frac{1}{2}}$ $b\ ^4F_{2\frac{1}{2}}$—$x\ ^2G^\circ_{3\frac{1}{2}}$
2570. 847	50w	38886. 04	
2570. 73	1	38887. 81	$a\ ^2D_{1\frac{1}{2}}$—$z\ ^2P^\circ_{1\frac{1}{2}}$
2570. 231	3	38895. 36	$a\ ^4F_{4\frac{1}{2}}$—$z\ ^2I^\circ_{5\frac{1}{2}}$
2568. 83	5	38916. 57	
2567. 67	2	38934. 15	$c\ ^4D_{3\frac{1}{2}}$—$v\ ^2F^\circ_{2\frac{1}{2}}$
2567. 507	15Z	38936. 62	$a\ ^4H_{4\frac{1}{2}}$—$y\ ^2H^\circ_{5\frac{1}{2}}$
2567. 25	3	38940. 52	
2566. 446	1	38952. 71	$b\ ^2D_{1\frac{1}{2}}$—$w\ ^2D^\circ_{1\frac{1}{2}}$
2566. 257	30Z	38955. 58	$a\ ^4H_{5\frac{1}{2}}$—$y\ ^2G^\circ_{4\frac{1}{2}}$ $a\ ^6D_{2\frac{1}{2}}$—$z\ ^4F^\circ_{1\frac{1}{2}}$
2566. 083	20Z	38958. 22	$c\ ^4D_{1\frac{1}{2}}$—$v\ ^2F^\circ_{2\frac{1}{2}}$
2565. 803	2	38962. 48	
2565. 58	1	38965. 86	
2564. 572	5Z	38981. 18	$b\ ^2F_{3\frac{1}{2}}$—$x\ ^4G^\circ_{4\frac{1}{2}}$
2564. 334	40Z	38984. 79	$b\ ^4D_{3\frac{1}{2}}$—$x\ ^4F^\circ_{4\frac{1}{2}}$
2564. 091	2	38988. 49	$a\ ^2F_{3\frac{1}{2}}$—$y\ ^4H^\circ_{4\frac{1}{2}}$ $a\ ^4P_{1\frac{1}{2}}$—$z\ ^4D^\circ_{1\frac{1}{2}}$

TABLE 1. *Wavelengths and term combinations of* Mo II—Continued

Wavelength λ_{air}	Intensity	Wave No.	Term combination
2563.876	3	38991.76	$a\ ^2H_{4½}$—$w\ ^4D^o_{3½}$
2562.941	3	39005.98	$a\ ^2G_{4½}$—$z\ ^2H^o_{5½}$
2562.078	40Z	39019.12	$a\ ^2H_{4½}$—$x\ ^4G^o_{5½}$
2561.93	5	39021.37	
2561.555	2	39027.08	$b\ ^4F_{3½}$—$w\ ^4F^o_{2½}$
2560.669	20Z	39040.59	$a\ ^2F_{2½}$—$z\ ^2F^o_{3½}$ $b\ ^4P_{1½}$—$w\ ^4D^o_{2½}$
2560.34	1h	39045.60	
2559.688	30Z	39055.55	$b\ ^4D_{2½}$—$x\ ^4F^o_{2½}$
2559.121	30	39064.20	$b\ ^4F_{3½}$—$x\ ^2G^o_{4½}$ $a\ ^4F_{3½}$—$y\ ^4G^o_{3½}$
2558.867	40	39068.08	$a\ ^2F_{2½}$—$x\ ^4F^o_{1½}$ $a\ ^4F_{2½}$—$y\ ^4F^o_{1½}$
2558.727	20	39070.22	
2558.577	5	39072.51	
2558.18	10	39078.54	$c\ ^2F_{3½}$—$v\ ^2D^o_{2½}$
2557.759	5	39085.00	$a\ ^4F_{4½}$—$y\ ^4G^o_{3½}$
2557.378	30Z	39090.83	$b\ ^4D_{2½}$—$x\ ^4F^o_{3½}$
2556.756	40Z	39100.33	$a\ ^4F_{3½}$—$y\ ^4G^o_{4½}$
2556.56	5	39103.33	
2556.309	15Z	39107.17	$a\ ^4F_{2½}$—$y\ ^4G^o_{2½}$
2556.07	5	39110.83	
2555.68	5	39116.80	$a\ ^5H_{5½}$—$x\ ^4G^o_{5½}$
2555.420	50Z	39120.78	$a\ ^4F_{4½}$—$y\ ^4G^o_{4½}$
2554.979	3	39127.53	$a\ ^2P_{1½}$—$w\ ^2P^o_{0½}$
2554.669	1	39132.28	$b\ ^4F_{1½}$—$w\ ^4F^o_{2½}$
2554.24	1	39138.85	$b\ ^4F_{2½}$—$w\ ^4F^o_{2½}$
2552.99	2	39158.01	$b\ ^4P_{2½}$—$w\ ^4F^o_{3½}$
2552.918	5	39159.11	$b\ ^2D_{2½}$—$w\ ^2D^o_{1½}$
2552.73	3	39162.00	$c\ ^4D_{2½}$—$v\ ^2F^o_{3½}$
2552.54	1	39164.91	
2552.39	1	39167.21	
2552.193	20Z	39170.24	$a\ ^4F_{2½}$—$y\ ^4F^o_{3½}$
2551.21	1	39185.33	
2550.740	40Z	39192.55	$a\ ^2G_{4½}$—$y\ ^2F^o_{3½}$
2550.03	2	39203.46	$b\ ^4G_{2½}$—$y\ ^2P^o_{1½}$
2549.892	3	39205.58	$c\ ^2G_{3½}$—$v\ ^4F^o_{4½}$
2549.73	3	39208.07	
2549.351	10Z	39213.90	$a\ ^2G_{4½}$—$y\ ^2H^o_{4½}$
2549.067	2	39218.27	
2548.95	2	39220.07	$a\ ^4H_{3½}$—$y\ ^2F^o_{3½}$ $d\ ^2G_{4½}$—$u^2\ G^o_{3½}$
2548.212	10Z	39231.43	$a\ ^2D_{1½}$—$z\ ^2P^o_{0½}$ $a\ ^4H_{3½}$—$y\ ^2F^o_{2½}$
2547.71	3h	39239.16	
2547.562	30Z	39241.44	$a\ ^4H_{3½}$—$y\ ^2H^o_{4½}$
2547.34	50	39244.86	$b\ ^4D_{1½}$—$x\ ^4F^o_{1½}$
2546.920	10Z	39251.33	$a\ ^4F_{3½}$—$y\ ^4F^o_{3½}$
2546.696	10	39254.78	$a\ ^4F_{1½}$—$y\ ^4F^o_{2½}$
2546.497	5	39257.85	$b\ ^2F_{3½}$—$w\ ^4D^o_{2½}$
2545.600	20	39271.68	$a\ ^4F_{4½}$—$y\ ^4F^o_{3½}$
2544.900	20	39282.48	$b\ ^4D_{2½}$—$z\ ^2F^o_{2½}$
2544.456	40Z	39289.33	$b\ ^4F_{4½}$—$w\ ^4F^o_{4½}$ $a\ ^5G_{3½}$—$y\ ^5G^o_{4½}$
2543.611	40Z	39302.39	$a\ ^2D_{2½}$—$z\ ^2P^o_{1½}$ $b\ ^4F_{2½}$—$w\ ^4F^o_{3½}$
2543.06	1	39310.90	
2542.783	30	39315.18	$a\ ^6D_{2½}$—$z\ ^4F^o_{2½}$
2542.668	50Z	39316.96	$a\ ^6D_{3½}$—$z\ ^4F^o_{3½}$
2542.041	20	39326.66	$a\ ^5G_{3½}$—$x\ ^4G^o_{2½}$
2541.49	2h	39335.18	$b\ ^4F_{3½}$—$w\ ^4F^o_{4½}$
2541.251	10	39338.88	$a\ ^6D_{1½}$—$z\ ^4F^o_{1½}$
2540.585	10Z	39349.19	$c\ ^4D_{2½}$—$x\ ^2P^o_{1½}$
2540.133	40	39356.20	$a\ ^2G_{4½}$—$y\ ^2H^o_{5½}$
2539.643	5	39363.79	$a\ ^4F_{3½}$—$y\ ^4H^o_{3½}$
2539.436	40Z	39367.00	$a\ ^2F_{3½}$—$z\ ^2F^o_{3½}$ $a\ ^2F_{2½}$—$x\ ^4F^o_{3½}$
2539.16	3	39371.28	
2538.996	2	39373.82	
2538.444	200Z	39382.38	$a\ ^6D_{4½}$—$z\ ^4F^o_{4½}$
2537.86	2	39391.44	
2537.445	30Z	39397.89	$b\ ^2D_{1½}$—$v\ ^2F^o_{2½}$
2536.80	5	39407.90	
2536.618	3	39410.73	
2536.044	1	39419.65	$b\ ^4P_{2½}$—$x\ ^4P^o_{1½}$
2535.856	1	39422.57	
2535.44	3h	39429.04	
2534.41	10Z	39444.91	$a\ ^4F_{3½}$—$y\ ^4H^o_{3½}$
2533.994	3	39451.54	
2533.580	40Z	39457.98	$a\ ^4F_{2½}$—$y\ ^4F^o_{2½}$
2533.09	3	39465.61	$a\ ^4F_{4½}$—$y\ ^4H^o_{3½}$
2532.81	3	39469.98	
2532.62	2Z	39472.94	
2532.295	50Z	39478.00	$a\ ^2D_{1½}$—$x\ ^4D^o_{2½}$
2531.437	5Z	39491.38	$a\ ^2S_{0½}$—$x\ ^4P^o_{1½}$
2531.23	1	39494.61	
2530.67	5	39503.35	
2530.327	50Z	39508.71	$b\ ^4D_{1½}$—$x\ ^4F^o_{2½}$
2530.196	5	39510.75	$b\ ^4D_{3½}$—$y\ ^5G^o_{3½}$
2529.807	40	39516.83	$a\ ^4P_{1½}$—$z\ ^4D^o_{2½}$
2529.548	5	39520.87	
2529.304	5	39524.68	$a\ ^4P_{2½}$—$z\ ^4D^o_{2½}$
2528.852	50Z	39531.75	$b\ ^4D_{0½}$—$x\ ^4F^o_{1½}$
2528.383	30Z	39539.08	$a\ ^4F_{3½}$—$y\ ^4F^o_{2½}$
2527.25	40	39556.81	
2527.135	50Z	39558.61	$a\ ^2F_{2½}$—$z\ ^2F^o_{2½}$
2526.747	4	39564.68	$b\ ^4F_{2½}$—$x\ ^4P^o_{1½}$ $d\ ^2F_{3½}$—$u\ ^2G^o_{4½}$
2526.555	4	39567.69	
2524.515	5	39599.06	$a\ ^4H_{4½}$—$x\ ^4G^o_{3½}$
2523.785	2h	39611.11	
2523.165	30Z	39620.84	$a\ ^2F_{3½}$—$z\ ^2H^o_{4½}$
2522.84	40	39625.95	$a\ ^2G_{4½}$—$y\ ^2G^o_{4½}$
2522.590	30Z	39629.88	$a\ ^4H_{6½}$—$x\ ^4G^o_{5½}$
2522.05	1	39638.36	$b\ ^4D_{2½}$—$z\ ^4S^o_{1½}$
2521.683	30Z	39644.13	$a\ ^4F_{3½}$—$y\ ^4H^o_{4½}$
2521.33	1	39649.68	
2521.187	10Z	39651.93	$a\ ^4H_{5½}$—$x\ ^4G^o_{4½}$ $c\ ^4D_{0½}$—$w\ ^2P^o_{0½}$
2521.059	30Z	39653.94	$a\ ^4H_{3½}$—$y\ ^5G^o_{4½}$
2520.77	2	39658.48	$a\ ^2F_{3½}$—$x\ ^4F^o_{2½}$
2520.392	20	39664.43	$a\ ^4F_{4½}$—$y\ ^4H^o_{4½}$
2519.607	20Z	39676.79	$a\ ^2G_{3½}$—$y\ ^2D^o_{2½}$
2519.19	5	39683.36	$b\ ^2G_{3½}$—$w\ ^2D^o_{2½}$
2518.978	5	39686.70	$a\ ^2D_{1½}$—$x\ ^4D^o_{1½}$
2518.700	20	39691.08	$a\ ^4H_{3½}$—$x\ ^4G^o_{3½}$
2518.53	20	39693.76	$a\ ^2F_{3½}$—$x\ ^4F^o_{3½}$ $c\ ^4D_{1½}$—$x\ ^2P^o_{1½}$
2518.43	30Z	39695.33	$a\ ^2S_{0½}$—$y\ ^2P^o_{0½}$
2518.24	3	39698.33	$a\ ^6D_{1½}$—$z\ ^4F^o_{2½}$
2516.092	50Z	39732.22	$a\ ^2I_{6½}$—$z\ ^2I^o_{6½}$
2515.602	30Z	39739.95	$b\ ^4D_{2½}$—$y\ ^2G^o_{3½}$

TABLE 1. *Wavelengths and term combinations of* Mo II—Continued

Wavelength λ_{air}	Intensity	Wave No.	Term combination
2515. 101	50*Z*	39747. 87	$a\ ^2I_{5\frac{1}{2}}$—$z\ ^2I^\circ_{5\frac{1}{2}}$
2514. 16	30*Z*	39762. 75	$a\ ^2G_{4\frac{1}{2}}$— (3)$^\circ_{3\frac{1}{2}}$
2513. 950	20*Z*	39766. 07	$a\ ^4F_{1\frac{1}{2}}$—$x\ ^4F^\circ_{1\frac{1}{2}}$
2513. 12	30	39779. 20	$b\ ^2F_{2\frac{1}{2}}$—$x\ ^2F^\circ_{2\frac{1}{2}}$
2512. 39	10*h*	39790. 76	$b\ ^4G_{4\frac{1}{2}}$—$x\ ^2H^\circ_{4\frac{1}{2}}$
2511. 80	4*Z*	39800. 10	$a\ ^6D_{2\frac{1}{2}}$—$z\ ^4F^\circ_{3\frac{1}{2}}$
2511. 29	40	39808. 18	
2511. 24	30*e*	39808. 98	
2510. 733	2	39817. 01	$a\ ^2F_{3\frac{1}{2}}$—$x\ ^4F^\circ_{4\frac{1}{2}}$
2510. 343	10*Z*	39823. 20	
2510. 065	3	39827. 61	
2509. 790	3	39831. 97	
2509. 148	40*Z*	39842. 16	$a\ ^2P_{0\frac{1}{2}}$—$x\ ^2P^\circ_{0\frac{1}{2}}$
2506. 975	1	39876. 70	
2506. 684	40	39881. 33	$b\ ^2F_{2\frac{1}{2}}$—$x\ ^2G^\circ_{3\frac{1}{2}}$
2506. 432	5	39885. 33	$a\ ^2F_{3\frac{1}{2}}$—$z\ ^2F^\circ_{3\frac{1}{2}}$ $a\ ^4G_{3\frac{1}{2}}$—$z\ ^4D^\circ_{3\frac{1}{2}}$
2505. 642	15*Z*	39897. 91	$a\ ^2D_{2\frac{1}{2}}$—$x\ ^4D^\circ_{2\frac{1}{2}}$
2505. 302	10	39903. 32	$a\ ^4H_{4\frac{1}{2}}$—$x\ ^4G^\circ_{4\frac{1}{2}}$
2504. 623	2	39914. 14	$a\ ^2F_{2\frac{1}{2}}$—$z\ ^4S^\circ_{1\frac{1}{2}}$
2504. 298	10	39919. 32	$b\ ^4D_{3\frac{1}{2}}$—$y\ ^2F^\circ_{3\frac{1}{2}}$
2503. 594	50	39930. 55	
2502. 945	5	39940. 90	$b\ ^4D_{3\frac{1}{2}}$—$y\ ^2H^\circ_{4\frac{1}{2}}$
2502. 826	5*Z*	39942. 80	$b\ ^2F_{2\frac{1}{2}}$—$w\ ^4F^\circ_{1\frac{1}{2}}$ $a\ ^4F_{2\frac{1}{2}}$—$z\ ^2F^\circ_{3\frac{1}{2}}$ $a\ ^6D_{3\frac{1}{2}}$—$z\ ^4F^\circ_{4\frac{1}{2}}$
2502. 37	5	39950. 08	$b\ ^2D_{2\frac{1}{2}}$—$w\ ^2D^\circ_{2\frac{1}{2}}$ $a\ ^4F_{4\frac{1}{2}}$—$y\ ^4F^\circ_{4\frac{1}{2}}$
2502. 216	50*Z*	39952. 53	$a\ ^2S_{0\frac{1}{2}}$—$y\ ^2P^\circ_{1\frac{1}{2}}$
2501. 807	10	39959. 07	$a\ ^2I_{6\frac{1}{2}}$—$y\ ^4G^\circ_{5\frac{1}{2}}$
2500. 92	3	39973. 24	$a\ ^2I_{5\frac{1}{2}}$—$y\ ^4G^\circ_{4\frac{1}{2}}$
2500. 74	20*e*	39976. 11	
2500. 425	40*Z*	39981. 15	$a\ ^2D_{2\frac{1}{2}}$—$y\ ^4P^\circ_{2\frac{1}{2}}$ $b\ ^2F_{3\frac{1}{2}}$—$x\ ^2F^\circ_{3\frac{1}{2}}$
2500. 15	5	39985. 55	$a\ ^2G_{3\frac{1}{2}}$—$x\ ^4G^\circ_{4\frac{1}{2}}$
2499. 58	5	39994. 67	
2499. 253	20	39999. 90	$a\ ^2I_{5\frac{1}{2}}$—$z\ ^2I^\circ_{6\frac{1}{2}}$
2498. 969	2	40004. 44	$a\ ^4H_{5\frac{1}{2}}$—$x\ ^4G^\circ_{5\frac{1}{2}}$
2498. 280	40	40015. 48	$a\ ^2F_{2\frac{1}{2}}$—$y\ ^2G^\circ_{3\frac{1}{2}}$ $a\ ^4P_{2\frac{1}{2}}$—$z\ ^4D^\circ_{3\frac{1}{2}}$
2498. 088	40	40018. 55	$a\ ^2G_{4\frac{1}{2}}$—$x\ ^4G^\circ_{3\frac{1}{2}}$
2497. 80	50	40023. 16	$a\ ^4F_{3\frac{1}{2}}$—$z\ ^2F^\circ_{3\frac{1}{2}}$
2497. 371	35*Z*	40030. 04	$a\ ^4F_{1\frac{1}{2}}$—$x\ ^4F^\circ_{2\frac{1}{2}}$
2497. 240	10	40032. 14	
2497. 020	35	40035. 67	$a\ ^2H_{4\frac{1}{2}}$—$x\ ^2G^\circ_{3\frac{1}{2}}$
2496. 520	30	40043. 68	$a\ ^4F_{4\frac{1}{2}}$—$z\ ^2F^\circ_{3\frac{1}{2}}$
2496. 280	30*Z*	40047. 53	$a\ ^2D_{2\frac{1}{2}}$—$x\ ^4D^\circ_{3\frac{1}{2}}$
2495. 45	3	40060. 85	
2494. 682	20*Z*	40073. 18	$a\ ^2D_{1\frac{1}{2}}$—$x\ ^4D^\circ_{0\frac{1}{2}}$
2494. 185	20	40081. 17	
2493. 921	8	40085. 41	$b\ ^4P_{1\frac{1}{2}}$—$x\ ^4P^\circ_{2\frac{1}{2}}$
2493. 25	30	40096. 20	$b\ ^2S_{0\frac{1}{2}}$—$v\ ^2P^\circ_{1\frac{1}{2}}$
2493. 054	8	40099. 35	$a\ ^2S_{0\frac{1}{2}}$—$x\ ^4P^\circ_{0\frac{1}{2}}$
2492. 588	8	40106. 85	$a\ ^2D_{2\frac{1}{2}}$—$x\ ^4D^\circ_{1\frac{1}{2}}$
2490. 64	10*Z*	40138. 21	$a\ ^2D_{1\frac{1}{2}}$—$y\ ^4F^\circ_{1\frac{1}{2}}$
2490. 19	1	40145. 47	$a\ ^4D_{1\frac{1}{2}}$—$y\ ^4D^\circ_{0\frac{1}{2}}$
2490. 018	50	40148. 24	$b\ ^4D_{2\frac{1}{2}}$—$y\ ^2F^\circ_{3\frac{1}{2}}$
2489. 212	1	40161. 24	
2488. 365	2	40174. 91	
2487. 98	1	40181. 12	$c\ ^4D_{2\frac{1}{2}}$—$w\ ^2P^\circ_{1\frac{1}{2}}$
2487. 364	1	40191. 07	
2486. 531	8	40204. 54	
2486. 363	3	40207. 25	
2485. 30	1	40224. 45	
2485. 16	1	40226. 71	$a\ ^2I_{5\frac{1}{2}}$—$y\ ^4G^\circ_{5\frac{1}{2}}$
2484. 752	40*Z*	40233. 32	$a\ ^4F_{2\frac{1}{2}}$—$x\ ^4F^\circ_{2\frac{1}{2}}$
2484. 60	3*Z*	40235. 78	
2484. 48	20*e*	40237. 72	
2483. 710	10	40250. 20	$d\ ^2G_{4\frac{1}{2}}$—$u\ ^2G^\circ_{4\frac{1}{2}}$
2483. 383	20	40255. 50	$a\ ^4H_{4\frac{1}{2}}$—$x\ ^4G^\circ_{5\frac{1}{2}}$
2482. 973	30	40262. 15	$a\ ^2G_{3\frac{1}{2}}$—$w\ ^4D^\circ_{2\frac{1}{2}}$ $a\ ^2H_{5\frac{1}{2}}$—$z\ ^2K^\circ_{6\frac{1}{2}}$
2482. 566	60*Z*	40268. 75	$a\ ^4F_{2\frac{1}{2}}$—$x\ ^4F^\circ_{3\frac{1}{2}}$
2482. 075	20	40276. 71	$a\ ^4F_{3\frac{1}{2}}$—$z\ ^2H^\circ_{4\frac{1}{2}}$ $c\ ^4D_{2\frac{1}{2}}$—$u\ ^2F^\circ_{2\frac{1}{2}}$
2481. 918	10	40279. 26	$b\ ^4G_{5\frac{1}{2}}$—$x\ ^2H^\circ_{5\frac{1}{2}}$ $a\ ^4G_{4\frac{1}{2}}$—$z\ ^4D^\circ_{3\frac{1}{2}}$
2481. 795	2	40281. 26	
2480. 193	10	40307. 27	$a\ ^4F_{4\frac{1}{2}}$—$y\ ^4H^\circ_{5\frac{1}{2}}$
2479. 75	10	40314. 47	$a\ ^4F_{3\frac{1}{2}}$—$x\ ^4F^\circ_{2\frac{1}{2}}$
2479. 239	50	40322. 78	$d\ ^2F_{3\frac{1}{2}}$—$t\ ^2G^\circ_{4\frac{1}{2}}$ $a\ ^2G_{4\frac{1}{2}}$—$x\ ^4G^\circ_{4\frac{1}{2}}$
2478. 93	1	40327. 80	$a\ ^2H_{4\frac{1}{2}}$—$x\ ^2G^\circ_{4\frac{1}{2}}$
2478. 672	30*Z*	40332. 00	$b\ ^4D_{2\frac{1}{2}}$—$y\ ^2D^\circ_{1\frac{1}{2}}$
2478. 229	25*Z*	40339. 21	$b\ ^2D_{2\frac{1}{2}}$—$x\ ^2P^\circ_{1\frac{1}{2}}$
2478. 008	30*Z*	40342. 81	$a\ ^2F_{3\frac{1}{2}}$—$y\ ^2G^\circ_{3\frac{1}{2}}$
2477. 570	100*Z*	40349. 94	$b\ ^2F_{3\frac{1}{2}}$—$x\ ^2G^\circ_{3\frac{1}{2}}$ $a\ ^4F_{3\frac{1}{2}}$—$x\ ^4F^\circ_{3\frac{1}{2}}$ $a\ ^4H_{3\frac{1}{2}}$—$x\ ^4G^\circ_{4\frac{1}{2}}$
2475. 511	10	40383. 50	
2475. 235	15	40388. 00	$d\ ^2G_{3\frac{1}{2}}$—$u\ ^2G^\circ_{4\frac{1}{2}}$ $b\ ^4P_{1\frac{1}{2}}$—$w\ ^4F^\circ_{2\frac{1}{2}}$
2474. 24	15*Z*	40404. 24	
2472. 970	5	40424. 99	$a\ ^2F_{2\frac{1}{2}}$—$y\ ^2F^\circ_{3\frac{1}{2}}$ $a\ ^2H_{5\frac{1}{2}}$—$x\ ^2G^\circ_{4\frac{1}{2}}$
2472. 24	4	40436. 92	$a\ ^2F_{2\frac{1}{2}}$—$y\ ^2F^\circ_{2\frac{1}{2}}$
2472. 08	1	40439. 54	$a\ ^2P_{1\frac{1}{2}}$—$w\ ^4G^\circ_{2\frac{1}{2}}$
2471. 81	1	40443. 96	
2471. 011	10	40457. 04	$b\ ^4G_{4\frac{1}{2}}$—$x\ ^2H^\circ_{5\frac{1}{2}}$
2470. 803	3	40460. 44	$b\ ^2D_{1\frac{1}{2}}$—$w\ ^2P^\circ_{0\frac{1}{2}}$ $a\ ^4F_{2\frac{1}{2}}$—$z\ ^2F^\circ_{2\frac{1}{2}}$
2470. 662	1	40462. 75	
2470. 043	50*Z*	40472. 89	$a\ ^4F_{3\frac{1}{2}}$—$x\ ^4F^\circ_{4\frac{1}{2}}$
2469. 020	10	40489. 66	$b\ ^4D_{3\frac{1}{2}}$—(3)$^\circ_{3\frac{1}{2}}$
2468. 790	70*Z*	40493. 43	$a\ ^4F_{4\frac{1}{2}}$—$x\ ^4F^\circ_{4\frac{1}{2}}$
2468. 76	8*Z*	40493. 92	
2467. 944	8	40507. 31	$d\ ^2F_{2\frac{1}{2}}$—$t\ ^2G^\circ_{3\frac{1}{2}}$ $a\ ^2P_{1\frac{1}{2}}$—$t\ ^2F^\circ_{2\frac{1}{2}}$ $a\ ^4G_{2\frac{1}{2}}$—$z\ ^4D^\circ_{3\frac{1}{2}}$
2467. 350	50*Z*	40517. 06	$a\ ^2I_{5\frac{1}{2}}$—$y\ ^4H^\circ_{4\frac{1}{2}}$
2466. 971	40*Z*	40523. 29	$a\ ^4D_{0\frac{1}{2}}$—$y\ ^4D^\circ_{0\frac{1}{2}}$
2466. 671	50*Z*	40528. 22	$a\ ^2D_{1\frac{1}{2}}$—$y\ ^4F^\circ_{2\frac{1}{2}}$
2466. 021	30	40538. 90	
2465. 879	30	40541. 23	$a\ ^4F_{3\frac{1}{2}}$—$z\ ^2F^\circ_{3\frac{1}{2}}$
2464. 84	2	40558. 32	$a\ ^2D_{2\frac{1}{2}}$—$y\ ^4F^\circ_{1\frac{1}{2}}$
2463. 536	25	40579. 79	
2462. 482	40*Z*	40597. 15	$a\ ^2D_{2\frac{1}{2}}$—$y\ ^4G^\circ_{3\frac{1}{2}}$ $c\ ^4D_{3\frac{1}{2}}$—$u\ ^2F^\circ_{3\frac{1}{2}}$
2461. 805	50*Z*	40608. 32	$a\ ^2F_{2\frac{1}{2}}$—$y\ ^2D^\circ_{1\frac{1}{2}}$
2461. 48	3	40613. 68	$b\ ^4D_{1\frac{1}{2}}$—$y\ ^2F^\circ_{2\frac{1}{2}}$

TABLE 1. *Wavelengths and term combinations of* Mo II—Continued

Wavelength λ_{air}	Intensity	Wave No.	Term combination
2461. 102	15	40619. 92	$b\ ^4D_{2\frac{1}{2}}—x\ ^4G^\circ_{2\frac{1}{2}}$ $b\ ^4G_{5\frac{1}{2}}—w\ ^2G^\circ_{4\frac{1}{2}}$
2461. 010	10	40621. 43	$c\ ^4D_{2\frac{1}{2}}—u\ ^2F^\circ_{3\frac{1}{2}}$ $c\ ^4D_{1\frac{1}{2}}—u\ ^2F^\circ_{2\frac{1}{2}}$
2460. 683	10	40626. 83	$a\ ^4H_{3\frac{1}{2}}—w\ ^4D^\circ_{2\frac{1}{2}}$
2459. 762	70Z	40642. 04	$b\ ^2F_{3\frac{1}{2}}—x\ ^2G^\circ_{4\frac{1}{2}}$
2458. 655	40Z	40660. 34	$a\ ^2D_{2\frac{1}{2}}—y\ ^4F^\circ_{3\frac{1}{2}}$
2458. 208	8	40667. 73	
2457. 771	100Z	40674. 96	$a\ ^2G_{4\frac{1}{2}}—x\ ^4G^\circ_{5\frac{1}{2}}$ $a\ ^4H_{3\frac{1}{2}}—w\ ^4D^\circ_{3\frac{1}{2}}$
2456. 53	2	40695. 51	
2455. 92	3	40705. 62	
2455. 792	3	40707. 74	$b\ ^4P_{2\frac{1}{2}}—w\ ^2F^\circ_{2\frac{1}{2}}$
2455. 222	2	40717. 19	
2455. 11	1	40719. 05	$b\ ^4D_{2\frac{1}{2}}—(3)^\circ_{3\frac{1}{2}}$
2454. 57	1	40728. 00	
2453. 798	25	40740. 82	$b\ ^4D_{3\frac{1}{2}}—y\ ^2D^\circ_{2\frac{1}{2}}$ $b\ ^4F_{3\frac{1}{2}}—w\ ^2F^\circ_{3\frac{1}{2}}$
2453. 361	25Z	40748. 07	$a\ ^2H_{4\frac{1}{2}}—y\ ^2I^\circ_{5\frac{1}{2}}$
2453. 143	45Z	40751. 69	$a\ ^2F_{3\frac{1}{2}}—y\ ^2F^\circ_{3\frac{1}{2}}$
2452. 772	4	40757. 86	
2452. 206	30	40767. 26	
2451. 762	20	40774. 64	$a\ ^4H_{6\frac{1}{2}}—z\ ^2K^\circ_{6\frac{1}{2}}$
2451. 38	2	40781. 00	
2450. 79	1	40790. 82	
2450. 27	2	40799. 47	
2449. 62	3	40810. 30	
2449. 273	3	40816. 08	$a\ ^4F_{2\frac{1}{2}}—z\ ^4S^\circ_{1\frac{1}{2}}$
2447. 76	1	40841. 31	
2447. 484	10	40845. 91	$a\ ^2H_{5\frac{1}{2}}—y\ ^2I^\circ_{5\frac{1}{2}}$ $b\ ^4F_{1\frac{1}{2}}—w\ ^2F^\circ_{2\frac{1}{2}}$
2447. 068	25	40852. 85	$b\ ^4F_{2\frac{1}{2}}—w\ ^2F^\circ_{2\frac{1}{2}}$
2446. 921	1	40855. 30	
2446. 378	5	40864. 38	
2444. 735	30Z	40891. 84	$a\ ^2I_{6\frac{1}{2}}—y\ ^4H^\circ_{5\frac{1}{2}}$
2444. 482	45Z	40896. 07	$a\ ^2F_{2\frac{1}{2}}—x\ ^4G^\circ_{2\frac{1}{2}}$
2444. 077	4	40902. 85	$a\ ^4H_{4\frac{1}{2}}—x\ ^2F^\circ_{3\frac{1}{2}}$
2443. 463	8	40913. 13	$b\ ^2F_{3\frac{1}{2}}—w\ ^4F^\circ_{4\frac{1}{2}}$
2443. 188	45Z	40917. 73	$a\ ^4F_{2\frac{1}{2}}—y\ ^2G^\circ_{3\frac{1}{2}}$
2442. 957	2	40921. 60	
2442. 231	5	40933. 76	
2441. 36	3	40948. 36	$a\ ^2D_{2\frac{1}{2}}—y\ ^4F^\circ_{2\frac{1}{2}}$
2440. 415	3	40964. 22	$b\ ^2D_{1\frac{1}{2}}—w\ ^2P^\circ_{1\frac{1}{2}}$
2440. 265	45Z	40966. 74	$a\ ^4D_{1\frac{1}{2}}—y\ ^4D^\circ_{1\frac{1}{2}}$
2440. 05	40Z	40970. 35	$b\ ^4D_{2\frac{1}{2}}—y\ ^2D^\circ_{2\frac{1}{2}}$
2439. 466	3	40980. 15	$b\ ^4G_{4\frac{1}{2}}—w\ ^2G^\circ_{3\frac{1}{2}}$
2438. 95	1	40988. 82	$c\ ^4D_{2\frac{1}{2}}—w\ ^4G^\circ_{2\frac{1}{2}}$
2438. 574	40Z	40995. 14	$a\ ^2F_{2\frac{1}{2}}—(3)^\circ_{3\frac{1}{2}}$
2438. 356	15	40998. 81	$a\ ^4F_{3\frac{1}{2}}—y\ ^2G^\circ_{3\frac{1}{2}}$
2438. 265	10	41000. 34	$b\ ^2G_{3\frac{1}{2}}—u\ ^2F^\circ_{2\frac{1}{2}}$
2437. 90	3	41006. 48	
2437. 37	2	41015. 39	$b\ ^4F_{3\frac{1}{2}}—x\ ^2H^\circ_{4\frac{1}{2}}$
2437. 16	1	41018. 92	$a\ ^4F_{4\frac{1}{2}}—y\ ^2G^\circ_{3\frac{1}{2}}$
2435. 941	50Z	41039. 45	$a\ ^2D_{1\frac{1}{2}}—x\ ^4F^\circ_{1\frac{1}{2}}$
2435. 80	3e	41041. 82	
2435. 33	1	41049. 74	$b\ ^4D_{3\frac{1}{2}}—x\ ^4G^\circ_{4\frac{1}{2}}$
2434. 95	1	41056. 15	$c\ ^4D_{2\frac{1}{2}}—t\ ^2F^\circ_{2\frac{1}{2}}$
2434. 72	1	41060. 03	$b\ ^2D_{1\frac{1}{2}}—u\ ^2F^\circ_{2\frac{1}{2}}$
2433. 970	15Z	41072. 68	$b\ ^4D_{0\frac{1}{2}}—y\ ^2D^\circ_{1\frac{1}{2}}$ $b\ ^4D_{1\frac{1}{2}}—x\ ^4G^\circ_{2\frac{1}{2}}$
2432. 645	3	41095. 05	$a\ ^2P_{0\frac{1}{2}}—x\ ^2P^\circ_{1\frac{1}{2}}$
2431. 35	3	41116. 94	
2430. 272	25Z	41135. 17	$a\ ^4F_{1\frac{1}{2}}—y\ ^2F^\circ_{2\frac{1}{2}}$
2429. 390	50Z	41150. 11	$a\ ^2I_{5\frac{1}{2}}—z\ ^2H^\circ_{4\frac{1}{2}}$
2429. 071	10	41155. 51	$b\ ^4G_{5\frac{1}{2}}—w\ ^2H^\circ_{5\frac{1}{2}}$
2428. 38	1	41167. 22	
2428. 172	20Z	41170. 75	$b\ ^2D_{2\frac{1}{2}}—w\ ^2P^\circ_{1\frac{1}{2}}$
2427. 795	3	41177. 14	
2427. 289	25Z	41185. 72	$a\ ^2F_{3\frac{1}{2}}—y\ ^2G^\circ_{4\frac{1}{2}}$
2427. 097	4	41188. 98	
2426. 968	5	41191. 17	
2426. 37	2	41201. 32	
2425. 727	10	41212. 24	
2425. 085	10	41223. 15	$a\ ^2F_{3\frac{1}{2}}—x\ ^4G^\circ_{2\frac{1}{2}}$
2424. 99	1	41224. 77	$b\ ^4F_{2\frac{1}{2}}—w\ ^2F^\circ_{3\frac{1}{2}}$
2424. 77	2	41228. 51	
2424. 262	15Z	41237. 14	$b\ ^2G_{4\frac{1}{2}}—u\ ^2F^\circ_{3\frac{1}{2}}$
2423. 988	70Z	41241. 81	$a\ ^4F_{4\frac{1}{2}}—z\ ^2H^\circ_{5\frac{1}{2}}$
2423. 720	15Z	41246. 36	$a\ ^2F_{2\frac{1}{2}}—y\ ^2D^\circ_{2\frac{1}{2}}$
2423. 41	2	41251. 64	$a\ ^2F_{2\frac{1}{2}}—x\ ^4G^\circ_{3\frac{1}{2}}$
2422. 185	35	41272. 50	$a\ ^4H_{4\frac{1}{2}}—x\ ^2G^\circ_{3\frac{1}{2}}$
2421. 647	15Z	41281. 67	$a\ ^2H_{5\frac{1}{2}}—y\ ^2I^\circ_{5\frac{1}{2}}$
2421. 328	10	41287. 11	$b\ ^4D_{2\frac{1}{2}}—w\ ^4D^\circ_{1\frac{1}{2}}$
2421. 232	15	41288. 75	
2420. 86	1	41295. 09	
2420. 180	45Z	41306. 69	$a\ ^4F_{1\frac{1}{2}}—y\ ^2D^\circ_{1\frac{1}{2}}$
2419. 84	3	41312. 49	$a\ ^4H_{5\frac{1}{2}}—x\ ^2G^\circ_{4\frac{1}{2}}$
2419. 530	2	41317. 79	
2419. 31	2	41321. 54	$a\ ^2F_{3\frac{1}{2}}—(3)^\circ_{3\frac{1}{2}}$
2419. 011	45Z	41326. 65	$b\ ^4D_{3\frac{1}{2}}—w\ ^4D^\circ_{2\frac{1}{2}}$ $a\ ^4F_{2\frac{1}{2}}—y\ ^2F^\circ_{3\frac{1}{2}}$
2418. 635	2	41333. 07	$b\ ^4G_{4\frac{1}{2}}—w\ ^2H^\circ_{5\frac{1}{2}}$
2418. 328	5	41338. 32	$a\ ^4F_{2\frac{1}{2}}—y\ ^2F^\circ_{3\frac{1}{2}}$
2417. 964	30Z	41344. 55	$a\ ^4D_{0\frac{1}{2}}—y\ ^4D^\circ_{1\frac{1}{2}}$
2417. 738	5	41348. 41	
2417. 485	10Z	41352. 74	$a\ ^4D_{1\frac{1}{2}}—z\ ^2S^\circ_{0\frac{1}{2}}$
2417. 367	20	41354. 76	$a\ ^2G_{3\frac{1}{2}}—x\ ^2G^\circ_{3\frac{1}{2}}$
2416. 182	20Z	41375. 04	$b\ ^4D_{3\frac{1}{2}}—w\ ^4D^\circ_{3\frac{1}{2}}$
2416. 13	3	41375. 93	
2415. 926	4	41379. 42	
2415. 038	2	41394. 63	
2414. 69	15	41400. 58	$a\ ^2P_{1\frac{1}{2}}—v\ ^2D^\circ_{2\frac{1}{2}}$
2414. 288	10	41407. 49	$a\ ^4F_{3\frac{1}{2}}—y\ ^2F^\circ_{3\frac{1}{2}}$
2413. 81	1	41415. 69	
2413. 61	1	41419. 12	$a\ ^4F_{3\frac{1}{2}}—y\ ^2F^\circ_{2\frac{1}{2}}$
2413. 41	3	41422. 56	$a\ ^2P_{0\frac{1}{2}}—w\ ^2P^\circ_{0\frac{1}{2}}$ $b\ ^4P_{1\frac{1}{2}}—x\ ^4P^\circ_{0\frac{1}{2}}$
2413. 017	50	41429. 30	$a\ ^4P_{0\frac{1}{2}}—y\ ^4D^\circ_{0\frac{1}{2}}$ $a\ ^4F_{3\frac{1}{2}}—y\ ^2H^\circ_{4\frac{1}{2}}$
2412. 837	40	41432. 39	$a\ ^2D_{2\frac{1}{2}}—z\ ^2F^\circ_{3\frac{1}{2}}$
2412. 06	1	41445. 74	$b\ ^2H_{4\frac{1}{2}}—u\ ^2F^\circ_{3\frac{1}{2}}$
2411. 836	40	41449. 59	$a\ ^4F_{4\frac{1}{2}}—y\ ^2H^\circ_{4\frac{1}{2}}$
2411. 272	40	41459. 28	$a\ ^2D_{2\frac{1}{2}}—x\ ^4F^\circ_{1\frac{1}{2}}$
2411. 04	3	41463. 27	
2409. 49	1	41489. 94	
2409. 230	8	41494. 42	$b\ ^4G_{2\frac{1}{2}}—w\ ^2G^\circ_{3\frac{1}{2}}$ $b\ ^2G_{4\frac{1}{2}}—t\ ^2F^\circ_{3\frac{1}{2}}$
2408. 908	20	41499. 96	
2408. 337	20	41509. 80	$a\ ^4F_{2\frac{1}{2}}—y\ ^2D^\circ_{1\frac{1}{2}}$
2408. 08	1	41514. 23	
2407. 151	50Z	41530. 25	$a\ ^2D_{1\frac{1}{2}}—z\ ^2F^\circ_{2\frac{1}{2}}$
2405. 33	1	41561. 69	$b\ ^2H_{4\frac{1}{2}}—v\ ^2G^\circ_{4\frac{1}{2}}$

TABLE 1. *Wavelengths and term combinations of* Mo II—Continued

Wavelength λ_{air}	Intensity	Wave No.	Term combination
2405. 202	8	41563. 90	$a\ ^4H_{4\frac{1}{2}}$—$x\ ^2G^\circ_{4\frac{1}{2}}$ $a\ ^2F_{2\frac{1}{2}}$—$w\ ^4D^\circ_{1\frac{1}{2}}$
2405. 05	1	41566. 53	
2404. 680	50Z	41572. 92	$a\ ^2F_{3\frac{1}{2}}$—$y\ ^2D^\circ_{2\frac{1}{2}}$
2404. 46	1	41576. 73	
2403. 60	50Z	41591. 60	$a\ ^4F_{4\frac{1}{2}}$—$y\ ^2H^\circ_{5\frac{1}{2}}$
2403. 428	40Z	41594. 58	$a\ ^4F_{1\frac{1}{2}}$—$x\ ^4G^\circ_{2\frac{1}{2}}$
2403. 026	2	41601. 54	
2402. 64	2	41608. 22	
2402. 52	2	41610. 30	$a\ ^2G_{3\frac{1}{2}}$—$w\ ^4F^\circ_{2\frac{1}{2}}$
2401. 940	40Z	41620. 35	$a\ ^4P_{1\frac{1}{2}}$—$y\ ^4D^\circ_{0\frac{1}{2}}$
2401. 650	2	41625. 37	
2401. 35	2	41630. 57	
240042	1	41646. 70	$a\ ^2G_{3\frac{1}{2}}$—$x\ ^2G^\circ_{4\frac{1}{2}}$
2400. 14	1	41651. 56	
2399. 753	2	41658. 28	
2399. 48	3	41663. 01	
2398. 981	10	41671. 68	$a\ ^4H_{3\frac{1}{2}}$—$x\ ^4P^\circ_{2\frac{1}{2}}$
2397. 846	30Z	41690. 73	$b\ ^4P_{2\frac{1}{2}}$—$x\ ^2D^\circ_{2\frac{1}{2}}$
2397. 492	2	41697. 56	
2397. 116	20Z	41704. 10	$b\ ^2H_{4\frac{1}{2}}$—$t\ ^2F^\circ_{3\frac{1}{2}}$
2396. 827	4	41709. 12	$a\ ^4D_{2\frac{1}{2}}$—$z\ ^4G^\circ_{2\frac{1}{2}}$
2396. 519	4	41714. 48	$b\ ^4D_{1\frac{1}{2}}$—$w\ ^4D^\circ_{0\frac{1}{2}}$
2396. 260	25	41718. 99	$a\ ^4H_{3\frac{1}{2}}$—$x\ ^2G^\circ_{3\frac{1}{2}}$
2396. 020	15	41723. 17	$a\ ^2D_{2\frac{1}{2}}$—$x\ ^4F^\circ_{3\frac{1}{2}}$
2395. 057	8	41739. 95	$b\ ^4D_{1\frac{1}{2}}$—$w\ ^4D^\circ_{1\frac{1}{2}}$
2394. 522	3	41749. 27	
2394. 293	2	41753. 26	
2393. 992	8	41758. 51	$a\ ^2D_{2\frac{1}{2}}$—$x\ ^4F^\circ_{3\frac{1}{2}}$
2393. 428	1	41768. 35	
2393. 29	2	41770. 76	
2393. 174	4	41772. 78	$b\ ^2D_{1\frac{1}{2}}$—$w\ ^4G^\circ_{2\frac{1}{2}}$
2392. 776	10	41779. 73	$b\ ^2G^\circ_{3\frac{1}{2}}$—$t\ ^2F^\circ_{2\frac{1}{2}}$
2392. 650	8	41781. 93	
2392. 327	40Z	41787. 57	$a\ ^2S_{0\frac{1}{2}}$—$x\ ^2D^\circ_{1\frac{1}{2}}$
2391. 743	45Z	41797. 77	$a\ ^4F_{2\frac{1}{2}}$—$x\ ^4G^\circ_{2\frac{1}{2}}$
2390. 95	1	41811. 64	
2390. 783	50Z	41814. 56	
2390. 102	20Z	41826. 47	$a\ ^2I_{6\frac{1}{2}}$—$z\ ^2H^\circ_{5\frac{1}{2}}$
2389. 797	15Z	41831. 81	$a\ ^2F_{2\frac{1}{2}}$—$w\ ^4D^\circ_{3\frac{1}{2}}$
2389. 686	3	41833. 75	
2389. 437	3	41838. 11	$b\ ^4P_{0\frac{1}{2}}$—$x\ ^4P^\circ_{1\frac{1}{2}}$
2389. 250	40Z	41841. 39	$a\ ^4F^\circ_{3\frac{1}{2}}$—$y\ ^2G^\circ_{4\frac{1}{2}}$
2388. 703	35Z	41850. 97	$b\ ^2F_{2\frac{1}{2}}$—$w\ ^2F^\circ_{2\frac{1}{2}}$
2388. 08	8	41861. 88	$a\ ^4F_{4\frac{1}{2}}$—$y\ ^2G^\circ_{4\frac{1}{2}}$
2387. 819	15	41866. 46	$a\ ^2I_{6\frac{1}{2}}$—$y\ ^4H^\circ_{6\frac{1}{2}}$
2387. 629	8	41869. 79	$b\ ^2D_{2\frac{1}{2}}$—$t\ ^2F^\circ_{3\frac{1}{2}}$
2386. 96	25Z	41881. 47	$a\ ^2F_{3\frac{1}{2}}$—$x\ ^4G^\circ_{4\frac{1}{2}}$
2386. 07	45Z	41897. 15	$a\ ^4F_{2\frac{1}{2}}$— (3) $^3_{3\frac{1}{2}}$
2385. 811	3	41901. 69	
2385. 500	2	41907. 16	
2385. 368	2	41909. 47	
2385. 117	3	41913. 88	
2383. 371	20Z	41944. 59	$a\ ^4F_{1\frac{1}{2}}$—$y\ ^2D^\circ_{2\frac{1}{2}}$
2383. 06	8	41950. 05	$a\ ^2D_{2\frac{1}{2}}$—$z\ ^2F^\circ_{2\frac{1}{2}}$
2382. 408	3	41961. 54	
2382. 23	3	41964. 64	$c\ ^4D_{2\frac{1}{2}}$—$w\ ^4G^\circ_{3\frac{1}{2}}$
2381. 65	1	41974. 90	$a\ ^4H_{3\frac{1}{2}}$—$w\ ^4F^\circ_{2\frac{1}{2}}$
2381. 480	40Z	41977. 89	$a\ ^4F_{3\frac{1}{2}}$—(3) $^3_{3\frac{1}{2}}$
2381. 14	40Z	41983. 94	$a\ ^2G_{4\frac{1}{2}}$—$x\ ^2G^\circ_{4\frac{1}{2}}$
2380. 15	3	42001. 35	$b\ ^4D_{0\frac{1}{2}}$—$w\ ^4D^\circ_{0\frac{1}{2}}$
2380. 008	25Z	42003. 85	$a\ ^4D_{2\frac{1}{2}}$—$y\ ^4D^\circ_{2\frac{1}{2}}$
2379. 726	2	42008. 83	$b\ ^4D_{1\frac{1}{2}}$—$w\ ^4D^\circ_{2\frac{1}{2}}$
2379. 59	1	42011. 23	$a\ ^4H_{3\frac{1}{2}}$—$x\ ^2G^\circ_{4\frac{1}{2}}$
2379. 128	2	42019. 38	
2378. 929	2	42022. 90	
2378. 677	5	42027. 35	$b\ ^4D_{0\frac{1}{2}}$—$w\ ^4D^\circ_{1\frac{1}{2}}$
2378. 28	1	42034. 37	
2378. 05	1	42038. 43	
2377. 852	8	42041. 93	$b\ ^4P_{0\frac{1}{2}}$—$y\ ^2P^\circ_{0\frac{1}{2}}$
2377. 589	2	42046. 58	$b\ ^2D_{2\frac{1}{2}}$—$t\ ^2F^\circ_{2\frac{1}{2}}$
2377. 13	10Z	42054. 68	
2375. 895	3	42076. 56	
2375. 56	1	42082. 49	
2375. 44	4	42084. 65	$b\ ^2H_{5\frac{1}{2}}$—$v\ ^2G^\circ_{4\frac{1}{2}}$
2374. 900	20	42094. 19	$a\ ^2I_{5\frac{1}{2}}$—$z\ ^2H^\circ_{5\frac{1}{2}}$
2374. 236	2	42105. 96	
2373. 946	5	42111. 10	$a\ ^2G_{4\frac{1}{2}}$—$w\ ^4F^\circ_{3\frac{1}{2}}$
2372. 979	15Z	42128. 26	
2372. 642	10	42134. 24	$a\ ^2I_{5\frac{1}{2}}$—$y\ ^4H^\circ_{4\frac{1}{2}}$ $a\ ^4D_{2\frac{1}{2}}$—$z\ ^4G^\circ_{3\frac{1}{2}}$
2372. 508	1	42136. 62	
2371. 88	5	42147. 78	$a\ ^4F_{2\frac{1}{2}}$—$y\ ^2D^\circ_{2\frac{1}{2}}$
2371. 82	10	42148. 85	
2371. 58	20Z	42153. 11	$a\ ^4F_{2\frac{1}{2}}$—$x\ ^4G^\circ_{3\frac{1}{2}}$
2371. 258	8Z	42158. 83	$a\ ^2F_{3\frac{1}{2}}$—$w\ ^4D^\circ_{2\frac{1}{2}}$ $b\ ^4F_{4\frac{1}{2}}$—$w\ ^2G^\circ_{3\frac{1}{2}}$
2370. 410	35Z	42173. 92	$a\ ^4D_{1\frac{1}{2}}$—$y\ ^4D^\circ_{2\frac{1}{2}}$
2370. 250	40Z	42176. 76	$a\ ^2I_{6\frac{1}{2}}$—$y\ ^2H^\circ_{5\frac{1}{2}}$
2370. 024	3	42180. 78	
2369. 88	1	42183. 34	
2369. 74	1	42185. 84	
2368. 661	4	42204. 95	$b\ ^4F_{3\frac{1}{2}}$—$w\ ^2G^\circ_{3\frac{1}{2}}$ $a\ ^6D_{1\frac{1}{2}}$—$z\ ^4D^\circ_{0\frac{1}{2}}$
2368. 07	1	42215. 58	
2367. 33	2	42228. 78	$a\ ^4F_{3\frac{1}{2}}$—$y\ ^2D^\circ_{2\frac{1}{2}}$
2367. 12	3	42232. 53	
2367. 028	10	42234. 17	$a\ ^4F_{3\frac{1}{2}}$—$x\ ^4G^\circ_{3\frac{1}{2}}$
2366. 931	8	42235. 90	$a\ ^4F_{1\frac{1}{2}}$—$w\ ^4D^\circ_{0\frac{1}{2}}$
2366. 371	10	42245. 89	$a\ ^6D_{4\frac{1}{2}}$—$z\ ^4D^\circ_{3\frac{1}{2}}$
2366. 286	8	42247. 44	
2366. 105	25Z	42250. 64	$a\ ^4P_{0\frac{1}{2}}$—$y\ ^4D^\circ_{1\frac{1}{2}}$
2365. 876	10	42254. 73	$a\ ^2G_{4\frac{1}{2}}$—$w\ ^4F^\circ_{4\frac{1}{2}}$ $a\ ^4F_{4\frac{1}{2}}$—$x\ ^4G^\circ_{3\frac{1}{2}}$
2365. 496	10	42261. 52	$a\ ^4F_{1\frac{1}{2}}$—$w\ ^4D^\circ_{1\frac{1}{2}}$
2365. 01	1	42270. 20	$a\ ^6D_{2\frac{1}{2}}$—$z\ ^4D^\circ_{1\frac{1}{2}}$
2364. 522	20Z	42278. 92	$a\ ^2H_{4\frac{1}{2}}$—$x\ ^2H^\circ_{3\frac{1}{2}}$ $b\ ^4D_{2\frac{1}{2}}$—$x\ ^2F^\circ_{3\frac{1}{2}}$
2364. 19	2	42284. 86	$c\ ^4D_{3\frac{1}{2}}$—$w\ ^4G^\circ_{3\frac{1}{2}}$
2363. 77	3	42292. 37	
2363. 69	5	42293. 80	
2363. 226	5	42302. 11	$a\ ^2I_{5\frac{1}{2}}$—$y\ ^2H^\circ_{4\frac{1}{2}}$
2363. 07	1	42304. 90	
2363. 00	10	42306. 15	$a\ ^2D_{2\frac{1}{2}}$—$z\ ^4S^\circ_{1\frac{1}{2}}$
2362. 57	2*h*	42313. 86	
2362. 47	3	42315. 05	$a\ ^6D_{3\frac{1}{2}}$—$z\ ^4D^\circ_{2\frac{1}{2}}$
2362. 42	5	42316. 54	$b\ ^4D_{3\frac{1}{2}}$—$x\ ^2F^\circ_{2\frac{1}{2}}$ $b\ ^4F_{2\frac{1}{2}}$—$w\ ^2G^\circ_{3\frac{1}{2}}$
2362. 258	5	42319. 44	$b\ ^2F_{3\frac{1}{2}}$—$w\ ^2F^\circ_{2\frac{1}{2}}$
2361. 59	1	42331. 41	
2361. 27	2	42337. 15	$c\ ^4D_{2\frac{1}{2}}$—$v\ ^4D^\circ_{2\frac{1}{2}}$
2360. 933	2	42343. 19	

TABLE 1. *Wavelengths and term combinations of* Mo II—Continued

Wavelength λ_{air}	Intensity	Wave No.	Term combination
2359. 370	15Z	42371. 24	$b\ ^4D_{3\frac{1}{2}}$—$x\ ^4P^\circ_{2\frac{1}{2}}$
2359. 052	15	42376. 95	$a\ ^2H_{4\frac{1}{2}}$—$w\ ^2F^\circ_{3\frac{1}{2}}$
			$a\ ^2H_{5\frac{1}{2}}$—$x\ ^2H^\circ_{4\frac{1}{2}}$
2358. 535	2	42386. 24	
2357. 344	10Z	42407. 65	$a\ ^2D_{1\frac{1}{2}}$—$y\ ^2F^\circ_{2\frac{1}{2}}$
			$a\ ^2D_{2\frac{1}{2}}$—$y\ ^2G^\circ_{3\frac{1}{2}}$
2356. 77	1	42417. 98	
2356. 46	1	42423. 56	
2356. 06	5	42430. 76	$b\ ^2G_{4\frac{1}{2}}$—$v\ ^2G^\circ_{4\frac{1}{2}}$
2355. 460	30Z	42441. 57	$a\ ^4P_{1\frac{1}{2}}$—$y\ ^4D^\circ_{1\frac{1}{2}}$
2355. 309	15	42444. 29	$a\ ^2I_{5\frac{1}{2}}$—$y\ ^2H^\circ_{5\frac{1}{2}}$
2355. 022	15	42449. 46	$a\ ^4P_{2\frac{1}{2}}$—$y\ ^4D^\circ_{1\frac{1}{2}}$
2354. 702	15	42455. 23	$a\ ^6D_{0\frac{1}{2}}$—$z\ ^4D^\circ_{0\frac{1}{2}}$
2354. 186	20	42464. 53	$a\ ^4G_{4\frac{1}{2}}$—$z\ ^4H^\circ_{3\frac{1}{2}}$
			$a\ ^4F_{2\frac{1}{2}}$—$w\ ^4D^\circ_{1\frac{1}{2}}$
2351. 547	1	42512. 18	$b\ ^4F_{4\frac{1}{2}}$—$w\ ^2H^\circ_{5\frac{1}{2}}$
2351. 132	1	42519. 69	
2350. 550	5	42530. 22	$a\ ^4F_{1\frac{1}{2}}$—$w\ ^4D^\circ_{2\frac{1}{2}}$
2350. 120	25Z	42538. 00	$a\ ^4F_{3\frac{1}{2}}$—$x\ ^4G^\circ_{4\frac{1}{2}}$
2349. 005	10	42558. 19	$a\ ^4F_{4\frac{1}{2}}$—$x\ ^4G^\circ_{4\frac{1}{2}}$
2348. 832	20Z	42561. 32	$a\ ^4G_{3\frac{1}{2}}$—$z\ ^4H^\circ_{3\frac{1}{2}}$
2347. 802	30Z	42579. 99	$a\ ^2D_{1\frac{1}{2}}$—$y\ ^2D^\circ_{1\frac{1}{2}}$
			$b\ ^2G_{4\frac{1}{2}}$—$w\ ^4G^\circ_{3\frac{1}{2}}$
2347. 07	5	42593. 27	$b\ ^2F_{3\frac{1}{2}}$—$x\ ^2H^\circ_{4\frac{1}{2}}$
2346. 673	10	42600. 48	$b\ ^4D_{2\frac{1}{2}}$—$x\ ^4P^\circ_{2\frac{1}{2}}$
2345. 80	1w	42616. 33	
2345. 699	2	42618. 16	
2345. 54	1	42621. 05	
2345. 27	1	42625. 96	
2344. 676	10Z	42636. 76	$a\ ^4P_{0\frac{1}{2}}$—$z\ ^2S^\circ_{0\frac{1}{2}}$
2344. 33	3	42643. 05	
2343. 880	1	42651. 23	
2343. 752	10	42653. 56	$a\ ^6D_{1\frac{1}{2}}$—$z\ ^4D^\circ_{1\frac{1}{2}}$
2343. 54	3	42657. 42	$c\ ^4D_{3\frac{1}{2}}$—$v\ ^4D^\circ_{2\frac{1}{2}}$
2343. 04	4	42666. 50	$a\ ^4D_{1\frac{1}{2}}$—$z\ ^2D^\circ_{1\frac{1}{2}}$
2342. 616	10	42674. 25	$b\ ^4D_{3\frac{1}{2}}$—$w\ ^4F^\circ_{2\frac{1}{2}}$
2342. 292	8	42680. 15	
2341. 57	40Z	42693. 31	$a\ ^4G_{2\frac{1}{2}}$—$z\ ^4H^\circ_{3\frac{1}{2}}$
2341. 20	1	42700. 05	
2340. 88	1	42705. 89	
2340. 41	35Z	42714. 47	$a\ ^2I_{5\frac{1}{2}}$—$y\ ^2G^\circ_{4\frac{1}{2}}$
2339. 376	8	42733. 34	$a\ ^4D_{3\frac{1}{2}}$—$z\ ^4I^\circ_{4\frac{1}{2}}$
			$a\ ^4F_{2\frac{1}{2}}$—$w\ ^4D^\circ_{2\frac{1}{2}}$
2339. 190	5	42736. 74	
2338. 482	10	42749. 68	$a\ ^4G_{5\frac{1}{2}}$—$z\ ^4H^\circ_{4\frac{1}{2}}$
2337. 67	3	42764. 53	
2337. 432	15Z	42768. 88	$a\ ^4G_{4\frac{1}{2}}$—$z\ ^4H^\circ_{4\frac{1}{2}}$
2337. 053	5	42775. 82	$c\ ^4D_{3\frac{1}{2}}$—$v\ ^4D^\circ_{3\frac{1}{2}}$
2336. 68	1	42782. 65	
2336. 220	10	42791. 07	$a\ ^4D_{2\frac{1}{2}}$—$z\ ^2G^\circ_{3\frac{1}{2}}$
2335. 81	10	42798. 58	$a\ ^6D_{2\frac{1}{2}}$—$z\ ^4D^\circ_{2\frac{1}{2}}$
2335. 392	10	42806. 24	$a\ ^6D_{3\frac{1}{2}}$—$z\ ^4D^\circ_{3\frac{1}{2}}$
2335. 18	1	42810. 12	$b\ ^4G_{3\frac{1}{2}}$—$w\ ^2D^\circ_{2\frac{1}{2}}$
2334. 942	20Z	42814. 49	$a\ ^4F_{3\frac{1}{2}}$—$w\ ^4D^\circ_{2\frac{1}{2}}$
2334. 84	20Z	42816. 36	$a\ ^2D_{2\frac{1}{2}}$—$y\ ^2F^\circ_{3\frac{1}{2}}$
2334. 22	3	42827. 73	$a\ ^4P_{1\frac{1}{2}}$—$z\ ^2S^\circ_{0\frac{1}{2}}$
2334. 066	5	42830. 55	
2333. 870	3	42834. 15	$b\ ^2F_{2\frac{1}{2}}$—$x\ ^2D^\circ_{2\frac{1}{2}}$
2333. 650	5	42838. 19	$b\ ^4D_{3\frac{1}{2}}$—$w\ ^4F^\circ_{3\frac{1}{2}}$
2332. 67	3	42856. 18	
2332. 48	1	42859. 68	
2332. 307	3	42862. 85	$a\ ^4F_{3\frac{1}{2}}$—$w\ ^4D^\circ_{3\frac{1}{2}}$
2332. 131	40Z	42866. 09	$a\ ^4G_{3\frac{1}{2}}$—$z\ ^4H^\circ_{4\frac{1}{2}}$
2331. 192	10	42883. 35	$a\ ^4F_{4\frac{1}{2}}$—$w\ ^4D^\circ_{3\frac{1}{2}}$
2330. 05	25	42904. 37	$a\ ^6D_{0\frac{1}{2}}$—$z\ ^4D^\circ_{1\frac{1}{2}}$
2330. 03	5	42904. 74	
2329. 708	50Z	42910. 67	$a\ ^4F_{4\frac{1}{2}}$—$x\ ^4G^\circ_{5\frac{1}{2}}$
2328. 95	8	42924. 63	$a\ ^2F_{2\frac{1}{2}}$—$x\ ^2G^\circ_{3\frac{1}{2}}$
2328. 89	1	42925. 74	
2328. 367	2	42935. 38	
2328. 115	8Z	42940. 03	$b\ ^2D_{2\frac{1}{2}}$—$v\ ^2D^\circ_{2\frac{1}{2}}$
2327. 815	4	42945. 56	$a\ ^2H_{4\frac{1}{2}}$—$x\ ^2H^\circ_{5\frac{1}{2}}$
2326. 93	1	42961. 89	
2325. 86	8	42981. 65	$b\ ^4D_{3\frac{1}{2}}$—$w\ ^4F^\circ_{4\frac{1}{2}}$
2324. 876	50	42999. 85	$a\ ^2D_{2\frac{1}{2}}$—$y\ ^2D^\circ_{1\frac{1}{2}}$
2324. 29	1	43010. 69	
2323. 96	50	43016. 79	$b\ ^4P_{2\frac{1}{2}}$—$w\ ^2D^\circ_{1\frac{1}{2}}$
2322. 971	10	43035. 10	$c\ ^4D_{3\frac{1}{2}}$—$w\ ^4G^\circ_{4\frac{1}{2}}$
2322. 499	25Z	43043. 85	$a\ ^2H_{5\frac{1}{2}}$—$x\ ^2H^\circ_{5\frac{1}{2}}$
2321. 955	1	43053. 93	$b\ ^4D_{1\frac{1}{2}}$—$x\ ^4P^\circ_{2\frac{1}{2}}$
2321. 67	2	43059. 22	
2321. 23	2	43067. 38	$b\ ^4D_{2\frac{1}{2}}$—$w\ ^4F^\circ_{3\frac{1}{2}}$
2321. 06	3	43070. 53	
2320. 090	30	43088. 54	$a\ ^2S_{0\frac{1}{2}}$—$w\ ^2D^\circ_{1\frac{1}{2}}$
			$c\ ^4D_{3\frac{1}{2}}$—$v\ ^4F^\circ_{4\frac{1}{2}}$
2318. 897	2	43110. 71	$b\ ^4P_{1\frac{1}{2}}$—$x\ ^2D^\circ_{1\frac{1}{2}}$
2316. 477	25Z	43155. 74	
2316. 040	10	43163. 88	
2315. 632	25Z	43171. 48	
2315. 087	5	43181. 65	$a\ ^6D_{1\frac{1}{2}}$—$z\ ^4D^\circ_{2\frac{1}{2}}$
2313. 878	15	43204. 21	$a\ ^2F_{3\frac{1}{2}}$—$x\ ^4P^\circ_{2\frac{1}{2}}$
2313. 154	10	43217. 73	$a\ ^2D_{1\frac{1}{2}}$—$y\ ^2D^\circ_{2\frac{1}{2}}$
2312. 927	2	43221. 97	
2312. 233	10	43234. 94	
2311. 382	20	43250. 86	$a\ ^2F_{3\frac{1}{2}}$—$x\ ^2G^\circ_{3\frac{1}{2}}$
2310. 85	1	43260. 82	
2310. 66	1	43264. 37	$a\ ^4H_{5\frac{1}{2}}$—$x\ ^2H^\circ_{4\frac{1}{2}}$
2309. 485	20	43286. 38	$a\ ^2H_{4\frac{1}{2}}$—$w\ ^2G^\circ_{4\frac{1}{2}}$
2309. 40	1	43287. 95	$a\ ^2D_{2\frac{1}{2}}$—$x\ ^4G^\circ_{2\frac{1}{2}}$
2309. 33	1	43289. 26	$a\ ^6D_{2\frac{1}{2}}$—$z\ ^4D^\circ_{3\frac{1}{2}}$
2308. 897	2	43297. 21	
2308. 114	1	43312. 07	
2307. 994	30Z	43314. 31	$b\ ^2F_{2\frac{1}{2}}$—$w\ ^2G^\circ_{3\frac{1}{2}}$
			$a\ ^4G_{5\frac{1}{2}}$—$z\ ^4H^\circ_{5\frac{1}{2}}$
2307. 178	1	43329. 63	$b\ ^4D_{2\frac{1}{2}}$—$x\ ^4P^\circ_{1\frac{1}{2}}$
2306. 990	50Z	43333. 16	$a\ ^4G_{4\frac{1}{2}}$—$z\ ^4H^\circ_{5\frac{1}{2}}$
2305. 874	8	43354. 14	$a\ ^4P_{1\frac{1}{2}}$—$z\ ^4G^\circ_{2\frac{1}{2}}$
2305. 673	30Z	43357. 92	$a\ ^4D_{2\frac{1}{2}}$—$y\ ^4D^\circ_{3\frac{1}{2}}$
2305. 453	5	43362. 05	$a\ ^4P_{2\frac{1}{2}}$—$z\ ^4G^\circ_{2\frac{1}{2}}$
2305. 276	8	43365. 38	
2304. 261	80Z	43384. 48	$a\ ^2H_{5\frac{1}{2}}$—$w\ ^2G^\circ_{4\frac{1}{2}}$
2302. 995	8	43408. 33	
2302. 848	20	43411. 13	$a\ ^2I_{5\frac{1}{2}}$—$x\ ^4G^\circ_{4\frac{1}{2}}$
2302. 48	2	43418. 06	
2302. 143	8	43424. 42	
2301. 004	2	43445. 91	
2300. 697	1	43451. 71	
2300. 41	1	43457. 13	$a\ ^4F_{2\frac{1}{2}}$—$x\ ^2F^\circ_{3\frac{1}{2}}$
2300. 096	2	43463. 06	
2299. 876	10	43467. 22	
2299. 657	1	43471. 36	
2298. 888	3	43485. 90	

TABLE 1. *Wavelengths and term combinations of* Mo II—Continued

Wavelength λ_{air}	Intensity	Wave No.	Term combination
2298. 386	8	43495. 40	$a\ ^2I_{6\frac{1}{2}}$—$x\ ^4G^\circ_{5\frac{1}{2}}$
2297. 650	5	43509. 33	$a\ ^2D_{1\frac{1}{2}}$—$w\ ^4D^\circ_{0\frac{1}{2}}$
2297. 492	2	43512. 32	
2297. 143	2	43518. 93	
2296. 98	5	43522. 02	
2296. 28	1	43535. 28	$a\ ^2D_{1\frac{1}{2}}$—$w\ ^4D^\circ_{1\frac{1}{2}}$
2295. 86	1	43543. 25	$a\ ^2F_{3\frac{1}{2}}$—$x\ ^2G^\circ_{4\frac{1}{2}}$
2293. 74	1	43583. 49	
2292. 968	3	43598. 16	$a\ ^2G_{3\frac{1}{2}}$—$x\ ^2H^\circ_{4\frac{1}{2}}$
2292. 82	1	43600. 97	$b\ ^2F_{3\frac{1}{2}}$—$w\ ^2G^\circ_{4\frac{1}{2}}$
2292. 583	5	43605. 48	$a\ ^2F_{2\frac{1}{2}}$—$x\ ^4P^\circ_{1\frac{1}{2}}$
2292. 17	1	43613. 34	$a\ ^4H_{4\frac{1}{2}}$—$w\ ^2F^\circ_{3\frac{1}{2}}$
2290. 870	40	43638. 08	$a\ ^2D_{2\frac{1}{2}}$—$y\ ^2D^\circ_{2\frac{1}{2}}$
2290. 311	50*Z*	43648. 73	$a\ ^4P_{1\frac{1}{2}}$—$y\ ^4D^\circ_{2\frac{1}{2}}$ $a\ ^4D_{2\frac{1}{2}}$—$z\ ^2D^\circ_{2\frac{1}{2}}$
2289. 890	25*Z*	43656. 76	$a\ ^4P_{2\frac{1}{2}}$—$y\ ^4D^\circ_{2\frac{1}{2}}$
2289. 38	1	43666. 48	
2289. 20	10	43669. 99	$a\ ^2F_{3\frac{1}{2}}$—$w\ ^4F^\circ_{3\frac{1}{2}}$
2288. 73	2	43678. 88	$c\ ^2F_{3\frac{1}{2}}$—$u\ ^2D^\circ_{2\frac{1}{2}}$
2287. 64	2	43699. 69	
2287. 10	5	43710. 01	
2286. 547	5	43720. 58	
2286. 432	10	43722. 78	$a\ ^4G_{3\frac{1}{2}}$—$z\ ^4G^\circ_{2\frac{1}{2}}$
2284. 74	1	43755. 15	$a\ ^4D_{3\frac{1}{2}}$—$y\ ^4D^\circ_{3\frac{1}{2}}$
2283. 58	8	43777. 38	
2283. 292	8	43782. 90	$b\ ^2F_{3\frac{1}{2}}$—$w\ ^2G^\circ_{3\frac{1}{2}}$ $b\ ^4D_{1\frac{1}{2}}$—$x\ ^4P^\circ_{1\frac{1}{2}}$
2282. 896	10	43790. 50	$b\ ^4D_{2\frac{1}{2}}$—$y\ ^2P^\circ_{1\frac{1}{2}}$
2282. 218	3	43803. 50	$a\ ^2D_{1\frac{1}{2}}$—$w\ ^4D^\circ_{2\frac{1}{2}}$
2281. 45	2	43818. 25	$a\ ^4D_{1\frac{1}{2}}$—$z\ ^2D^\circ_{2\frac{1}{2}}$
2281. 39	1	43819. 40	
2281. 34	2	43820. 36	
2281. 23	1	43822. 47	
2281. 05	1	43825. 93	$a\ ^4F_{2\frac{1}{2}}$—$x\ ^2G^\circ_{3\frac{1}{2}}$
2280. 29	1	43840. 54	$b\ ^4F_{3\frac{1}{2}}$—$w\ ^2D^\circ_{2\frac{1}{2}}$
2280. 12	1	43843. 80	
2279. 586	8	43854. 07	$a\ ^4G_{2\frac{1}{2}}$—$z\ ^4G^\circ_{2\frac{1}{2}}$
2279. 30	1	43859. 58	$a\ ^4F_{3\frac{1}{2}}$—$x\ ^4P^\circ_{2\frac{1}{2}}$
2279. 13	1	43862. 85	
2279. 04	1	43864. 58	
2278. 775	3	43869. 68	
2278. 32	1	43878. 44	$a\ ^4F_{1\frac{1}{2}}$—$w\ ^4F^\circ_{2\frac{1}{2}}$
2278. 074	3	43883. 18	
2276. 93	1	43905. 22	
2276. 67	2	43910. 24	
2276. 198	40	43919. 34	$a\ ^2H_{5\frac{1}{2}}$—$w\ ^2H^\circ_{5\frac{1}{2}}$
2274. 346	5	43955. 10	$a\ ^2D_{2\frac{1}{2}}$—$w\ ^4D^\circ_{1\frac{1}{2}}$
2274. 07	1	43960. 44	$a\ ^4D_{1\frac{1}{2}}$—$y\ ^4P^\circ_{0\frac{1}{2}}$
2273. 961	5	43962. 54	$a\ ^4H_{3\frac{1}{2}}$—$x\ ^2H^\circ_{4\frac{1}{2}}$
2273. 240	40	43976. 49	
2271. 80	2*h*	44004. 36	
2271. 14	1	44017. 14	$a\ ^4G_{3\frac{1}{2}}$—$y\ ^4D^\circ_{2\frac{1}{2}}$
2270. 33	3	44032. 87	$a\ ^2G_{4\frac{1}{2}}$—$w\ ^2F^\circ_{3\frac{1}{2}}$
2270. 214	3	44035. 10	
2269. 708	150*Z*	44044. 91	$a\ ^4G_{5\frac{1}{2}}$—$z\ ^4H^\circ_{5\frac{1}{2}}$
2269. 407	8	44050. 75	$a\ ^4G_{4\frac{1}{2}}$—$z\ ^4G^\circ_{3\frac{1}{2}}$
2268. 468	25	44068. 99	$b\ ^4D_{0\frac{1}{2}}$—$x\ ^4P^\circ_{1\frac{1}{2}}$
2268. 05	1	44077. 11	
2267. 82	1	44081. 58	$a\ ^4F_{2\frac{1}{2}}$—$w\ ^4F^\circ_{2\frac{1}{2}}$
2267. 112	8	44095. 34	$c\ ^2G_{3\frac{1}{2}}$—$u\ ^2G^\circ_{3\frac{1}{2}}$
2266. 224	10	44112. 62	$a\ ^4D_{2\frac{1}{2}}$—$y\ ^4P^\circ_{1\frac{1}{2}}$
2264. 956	3	44137. 31	
2264. 746	10	44141. 41	$a\ ^4P_{1\frac{1}{2}}$—$z\ ^2D^\circ_{1\frac{1}{2}}$
2264. 461	2	44146. 96	
2264. 333	2	44149. 46	$a\ ^4P_{2\frac{1}{2}}$—$z\ ^2D^\circ_{1\frac{1}{2}}$
2264. 19	1	44152. 24	
2263. 793	5	44159. 99	$b\ ^2F_{2\frac{1}{2}}$—$w\ ^2D^\circ_{1\frac{1}{2}}$
2263. 664	5	44162. 50	$a\ ^4F_{3\frac{1}{2}}$—$w\ ^4F^\circ_{2\frac{1}{2}}$
2261. 981	30	44195. 36	$a\ ^2H_{4\frac{1}{2}}$—$w\ ^2H^\circ_{4\frac{1}{2}}$
2261. 79	1	44199. 09	$a\ ^4F_{3\frac{1}{2}}$—$x\ ^2G^\circ_{4\frac{1}{2}}$
2261. 51	1	44204. 56	
2260. 748	3	44219. 46	$a\ ^4F_{4\frac{1}{2}}$—$x\ ^2G^\circ_{4\frac{1}{2}}$
2260. 541	3	44223. 51	$a\ ^2D_{2\frac{1}{2}}$—$w\ ^4D^\circ_{3\frac{1}{2}}$
2260. 417	1	44225. 94	
2260. 07	20	44232. 73	$a\ ^4G_{5\frac{1}{2}}$—$z\ ^4I^\circ_{4\frac{1}{2}}$
2258. 87	1	44256. 22	
2258. 24	1	44268. 56	$a\ ^2S_{0\frac{1}{2}}$—$x\ ^2P^\circ_{1\frac{1}{2}}$
2258. 05	1	44272. 29	$a\ ^2D_{2\frac{1}{2}}$—$w\ ^4D^\circ_{3\frac{1}{2}}$
2257. 705	5	44279. 05	$a\ ^4G_{2\frac{1}{2}}$—$z\ ^4G^\circ_{3\frac{1}{2}}$
2257. 520	2	44282. 68	$a\ ^4D_{1\frac{1}{2}}$—$y\ ^4P^\circ_{1\frac{1}{2}}$
2256. 982	15	44293. 24	$a\ ^2H_{5\frac{1}{2}}$—$w\ ^2H^\circ_{4\frac{1}{2}}$
2256. 263	1	44307. 35	$a\ ^2G_{3\frac{1}{2}}$—$x\ ^2D^\circ_{2\frac{1}{2}}$
2255. 290	7	44326. 47	$a\ ^4F_{3\frac{1}{2}}$—$w\ ^4F^\circ_{3\frac{1}{2}}$
2254. 706	5	44337. 95	$a\ ^4D_{0\frac{1}{2}}$—$y\ ^4P^\circ_{0\frac{1}{2}}$
2254. 50	1	44342. 00	$b\ ^4F_{2\frac{1}{2}}$—$x\ ^2P^\circ_{1\frac{1}{2}}$
2254. 28	1	44346. 32	$a\ ^4F_{4\frac{1}{2}}$—$w\ ^4F^\circ_{3\frac{1}{2}}$
2254. 146	15	44348. 96	$a\ ^4G_{3\frac{1}{2}}$—$z\ ^4I^\circ_{4\frac{1}{2}}$
2253. 85	2	44354. 78	
2252. 13	1	44388. 66	$b\ ^4D_{3\frac{1}{2}}$—$w\ ^2F^\circ_{2\frac{1}{2}}$
2252. 05	3	44390. 23	$b\ ^4D_{1\frac{1}{2}}$—$x\ ^4P^\circ_{0\frac{1}{2}}$
2251. 423	3	44402. 59	$a\ ^4D_{2\frac{1}{2}}$—$z\ ^2P^\circ_{1\frac{1}{2}}$
2251. 316	35*e*	44404. 70	
2251. 13	1	44408. 37	
2249. 315	20	44444. 20	$a\ ^4P_{2\frac{1}{2}}$—$z\ ^2G^\circ_{3\frac{1}{2}}$
2248. 75	15	44455. 37	
2247. 12	8	44487. 61	
2246. 980	40	44490. 38	$a\ ^4F_{4\frac{1}{2}}$—$w\ ^4F^\circ_{4\frac{1}{2}}$
2246. 34	20	44503. 06	$c\ ^2G_{4\frac{1}{2}}$—$u\ ^2G^\circ_{4\frac{1}{2}}$
2245. 28	1	44524. 07	$d\ ^2G_{3\frac{1}{2}}$—$t\ ^2D^\circ_{2\frac{1}{2}}$
2244. 64	1	44536. 76	
2242. 84	2	44572. 50	$a\ ^4D_{1\frac{1}{2}}$—$z\ ^2P^\circ_{1\frac{1}{2}}$
2242. 606	30	44577. 15	
2241. 63	3	44596. 56	$a\ ^2S^\circ_{0\frac{1}{2}}$—$w\ ^2P'_{0\frac{1}{2}}$
2241. 353	2	44602. 07	$a\ ^2G_{4\frac{1}{2}}$—$x\ ^2H^\circ_{5\frac{1}{2}}$
2241. 19	7	44605. 27	$a\ ^2G_{3\frac{1}{2}}$—$w\ ^2G^\circ_{4\frac{1}{2}}$
2241. 045	1	44608. 20	
2240. 57	15	44617. 60	$b\ ^4D_{2\frac{1}{2}}$—$w\ ^2F^\circ_{2\frac{1}{2}}$
2239. 77	6*w*	44633. 55	
2239. 42	50	44641. 32	$a\ ^2I^\circ_{6\frac{1}{2}}$—$z\ ^2K^\circ_{6\frac{1}{2}}$ $a\ ^4G_{2\frac{1}{2}}$—$z\ ^2D^\circ_{1\frac{1}{2}}$
2238. 88	5	44651. 29	
2238. 42	18	44660. 46	$a\ ^4D_{0\frac{1}{2}}$—$y\ ^4P^\circ_{1\frac{1}{2}}$
2238. 02	7	44668. 44	
2237. 57	7	44677. 42	$b\ ^4D_{0\frac{1}{2}}$—$x\ ^4P^\circ_{0\frac{1}{2}}$
2236. 04	50	44707. 99	$a\ ^4G_{4\frac{1}{2}}$—$z\ ^2G^\circ_{3\frac{1}{2}}$
2235. 68	35	44715. 19	
2234. 97	4	44729. 39	
2234. 49	10	44739. 00	
2234. 15	2	44745. 81	
2233. 17	1	44765. 44	$a\ ^4F_{1\frac{1}{2}}$—$y\ ^2P^\circ_{1\frac{1}{2}}$
2232. 44	30	44780. 08	$a\ ^4G_{5\frac{1}{2}}$—$z\ ^4G^\circ_{4\frac{1}{2}}$
2232. 05	25	44787. 90	$a\ ^2G_{3\frac{1}{2}}$—$w\ ^2G^\circ_{3\frac{1}{2}}$
2231. 49	18	44799. 14	$a\ ^4G_{4\frac{1}{2}}$—$z\ ^4G^\circ_{4\frac{1}{2}}$

TABLE 1. *Wavelengths and term combinations of* Mo II—Continued

Wavelength λ_{air}	Intensity	Wave No.	Term combination
2231. 23	7	44804. 36	$a\ ^4G_{3\frac{1}{2}}—z\ ^2G^\circ_{3\frac{1}{2}}$
2231. 08	40	44807. 38	$a\ ^4H_{5\frac{1}{2}}—w^2H^\circ_{5\frac{1}{2}}$
2230. 07	35	44827. 67	
2229. 81	2	44832. 89	
2228. 24	4	44864. 48	
2226. 78	25	44893. 89	$a\ ^2F_{2\frac{1}{2}}—w^2F^\circ_{2\frac{1}{2}}$
2226. 32	1	44903. 17	
2226. 06	20	44908. 41	$a\ ^2I_{5\frac{1}{2}}—z\ ^2K^\circ_{6\frac{1}{2}}$
2225. 44	5	44920. 72	
2224. 64	35	44937. 07	$a\ ^4G_{2\frac{1}{2}}—z\ ^2G^\circ_{3\frac{1}{2}}$
2224. 37	3	44942. 53	$a\ ^2G_{4\frac{1}{2}}—w^2G^\circ_{4\frac{1}{2}}$
2222. 95	2	44971. 23	
2222. 06	1	44989. 25	$b\ ^4D_{2\frac{1}{2}}—w^2F^\circ_{3\frac{1}{2}}$
2221. 63	20	44997. 95	$a\ ^4D_{2\frac{1}{2}}—x\ ^4D^\circ_{2\frac{1}{2}}$
2220. 99	65	45010. 92	$a\ ^4P_{2\frac{1}{2}}—y\ ^4D^\circ_{3\frac{1}{2}}$
2219. 82	20	45034. 64	
2219. 22	1	45046. 81	
2218. 78	1	45055. 74	
2217. 89	18	45073. 83	$b\ ^2F_{3\frac{1}{2}}—v\ ^2F^\circ_{2\frac{1}{2}}$
2217. 60	8	45079. 72	
2217. 52	10	45081. 34	$a\ ^4D_{2\frac{1}{2}}—y\ ^4P^\circ_{2\frac{1}{2}}$
2216. 60	40	45100. 05	$a\ ^2S_{0\frac{1}{2}}—w^2P^\circ_{1\frac{1}{2}}$
2216. 48	5	45102. 49	
2215. 05	1	45131. 61	
2214. 39	45	45145. 05	$d\ ^2D_{2\frac{1}{2}}—s\ ^2F^\circ_{3\frac{1}{2}}$
2214. 26	30	45147. 70	$a\ ^4D_{2\frac{1}{2}}—x\ ^4D^\circ_{3\frac{1}{2}}$
2214. 02	10	45152. 60	$a\ ^4H_{3\frac{1}{2}}—w^2G^\circ_{3\frac{1}{2}}$
2213. 74	4	45158. 31	
2213. 68	5	45159. 53	$b\ ^4G_{2\frac{1}{2}}—w^4G^\circ_{2\frac{1}{2}}$
2213. 26	12	45168. 10	$a\ ^4D_{1\frac{1}{2}}—x\ ^4D^\circ_{2\frac{1}{2}}$
2213. 00	1	45173. 41	$b\ ^4F_{2\frac{1}{2}}—w^2P^\circ_{1\frac{1}{2}}$
2212. 62	2	45181. 17	$a\ ^4H_{5\frac{1}{2}}—w^2H^\circ_{4\frac{1}{2}}$
2212. 16	7	45190. 56	
2211. 39	10*w*	45206. 29	$a\ ^4D_{2\frac{1}{2}}—x\ ^4D^\circ_{1\frac{1}{2}}$
2210. 70	10	45220. 40	$a\ ^2F_{3\frac{1}{2}}—w^2F^\circ_{2\frac{1}{2}}$
2209. 83	18	45238. 20	$c\ ^2F_{2\frac{1}{2}}—u\ ^2G^\circ_{3\frac{1}{2}}$
2209. 56	25	45243. 73	$a\ ^4P_{0\frac{1}{2}}—y\ ^4P^\circ_{0\frac{1}{2}}$
2209. 21	3	45250. 89	$a\ ^4D_{1\frac{1}{2}}—y\ ^4P^\circ_{2\frac{1}{2}}$ $a\ ^4D_{2\frac{1}{2}}—(1)^\circ_{2\frac{1}{2}}$
2208. 72	2	45260. 93	$c\ ^2G_{4\frac{1}{2}}—t\ ^2G^\circ_{4\frac{1}{2}}$
2208. 18	40	45272. 00	$d\ ^2D_{2\frac{1}{2}}—t\ ^2D^\circ_{2\frac{1}{2}}$
2207. 13	2	45293. 54	$a\ ^4P_{1\frac{1}{2}}—z\ ^2D^\circ_{2\frac{1}{2}}$
2206. 84	30	45299. 49	$a\ ^4D_{0\frac{1}{2}}—z\ ^2P^\circ_{0\frac{1}{2}}$
2206. 44	25	45307. 70	$a\ ^2H_{4\frac{1}{2}}—v\ ^2F^\circ_{3\frac{1}{2}}$
2206. 06	18	45315. 50	$a\ ^2D_{2\frac{1}{2}}—x\ ^2G^\circ_{3\frac{1}{2}}$
2205. 40	2	45329. 06	
2204. 86	22	45340. 16	$b\ ^2F_{2\frac{1}{2}}—x\ ^2P^\circ_{1\frac{1}{2}}$
2204. 71	2	45343. 25	$a\ ^2I_{5\frac{1}{2}}—w^4F^\circ_{4\frac{1}{2}}$
2204. 59	2	45345. 72	
2203. 33	3	45371. 64	$b\ ^4D_{3\frac{1}{2}}—x\ ^2D^\circ_{2\frac{1}{2}}$ $a\ ^4G_{3\frac{1}{2}}—y\ ^4D^\circ_{3\frac{1}{2}}$
2203. 14	4	45375. 56	
2202. 75	5	45383. 59	
2202. 35	2	45391. 83	
2202. 11	4	45396. 78	
2201. 89	3	45401. 31	
2201. 48	6	45409. 77	
2200. 99	40*d*	45419. 88	$b\ ^2F_{3\frac{1}{2}}—w^2D^\circ_{2\frac{1}{2}}$ $a\ ^4D_{1\frac{1}{2}}—(1)^\circ_{2\frac{1}{2}}$
2200. 59	5	45428. 13	
2200. 25	22	45435. 18	$b\ ^4P_{0\frac{1}{2}}—w^2D^\circ_{1\frac{1}{2}}$ $a\ ^4P_{1\frac{1}{2}}—y\ ^4P^\circ_{0\frac{1}{2}}$
2198. 52	1	45470. 90	
2198. 15	30*d*	45478. 56	$a\ ^2G_{4\frac{1}{2}}—w^2H^\circ_{5\frac{1}{2}}$ $a\ ^4D_{3\frac{1}{2}}—y\ ^4P^\circ_{2\frac{1}{2}}$
2197. 48	100	45492. 41	$a\ ^2I_{5\frac{1}{2}}—y\ ^2I^\circ_{5\frac{1}{2}}$
2197. 36	2	45494. 90	$a\ ^2F_{3\frac{1}{2}}—x\ ^2H^\circ_{4\frac{1}{2}}$
2197. 27	25	45496. 76	$a\ ^4G_{4\frac{1}{2}}—z\ ^4I^\circ_{5\frac{1}{2}}$
2196. 97	10	45502. 97	$a\ ^4G_{2\frac{1}{2}}—y\ ^4D^\circ_{3\frac{1}{2}}$
2196. 38	1	45515. 20	$a\ ^2G_{3\frac{1}{2}}—w^2H^\circ_{4\frac{1}{2}}$
2195. 95	1	45524. 11	
2195. 83	3	45526. 60	$a\ ^4G_{5\frac{1}{2}}—z\ ^2G^\circ_{4\frac{1}{2}}$
2194. 94	12	45545. 06	$a\ ^4G_{4\frac{1}{2}}—z\ ^2G^\circ_{4\frac{1}{2}}$ $a\ ^4D_{3\frac{1}{2}}—x\ ^4D^\circ_{3\frac{1}{2}}$
2193. 92	2	45566. 23	$a\ ^4P_{0\frac{1}{2}}—y\ ^4P^\circ_{1\frac{1}{2}}$
2193. 76	4	45569. 55	
2193. 65	5	45571. 84	$a\ ^2D_{2\frac{1}{2}}—w\ ^4F^\circ_{2\frac{1}{2}}$
2193. 56	6	45573. 71	$a\ ^4D_{2\frac{1}{2}}—y\ ^4G^\circ_{3\frac{1}{2}}$
2192. 90	1	45587. 42	
2192. 66	7	45592. 41	$a\ ^2F_{3\frac{1}{2}}—w\ ^2F^\circ_{3\frac{1}{2}}$ $a\ ^4F_{1\frac{1}{2}}—w\ ^2F^\circ_{2\frac{1}{2}}$
2191. 24	3	45621. 95	$b\ ^2F_{3\frac{1}{2}}—v\ ^2F^\circ_{3\frac{1}{2}}$
2191. 01	3	45626. 74	
2190. 26	10	45642. 35	$a\ ^4G_{3\frac{1}{2}}—z\ ^2G^\circ_{4\frac{1}{2}}$
2190. 00	20	45647. 78	$a\ ^4D_{3\frac{1}{2}}—(1)^\circ_{2\frac{1}{2}}$
2189. 40	50	45660. 29	$a\ ^2I_{6\frac{1}{2}}—y\ ^2I_{6\frac{1}{2}}$
2188. 96	25	45669. 46	$b\ ^4D_{3\frac{1}{2}}—w\ ^2G^\circ_{4\frac{1}{2}}$ $a\ ^4G_{5\frac{1}{2}}—z\ ^4G^\circ_{5\frac{1}{2}}$
2188. 64	7	45676. 14	
2188. 27	2	45683. 86	
2188. 04	40	45688. 67	$a\ ^4G_{4\frac{1}{2}}—z\ ^4G^\circ_{5\frac{1}{2}}$
2187. 62	18	45697. 44	$a\ ^4D_{2\frac{1}{2}}—y\ ^4G^\circ_{2\frac{1}{2}}$
2187. 46	3	45700. 78	
2187. 10	1	45708. 30	
2186. 80	8	45714. 57	
2186. 38	8	45723. 38	$a\ ^6D_{2\frac{1}{2}}—y\ ^4D^\circ_{1\frac{1}{2}}$
2185. 79	8	45735. 69	$a\ ^2D_{2\frac{1}{2}}—w\ ^4F^\circ_{3\frac{1}{2}}$
2185. 52	3	45741. 34	
2184. 89	25	45754. 53	$a\ ^4D_{0\frac{1}{2}}—x\ ^4D^\circ_{1\frac{1}{2}}$
2184. 73	12	45757. 88	$a\ ^4P_{1\frac{1}{2}}—y\ ^4P^\circ_{1\frac{1}{2}}$
2184. 59	10	45760. 81	$a\ ^4D_{2\frac{1}{2}}—y\ ^4F^\circ_{3\frac{1}{2}}$ $b\ ^4F_{3\frac{1}{2}}—t\ ^2F^\circ_{3\frac{1}{2}}$
2184. 46	20	45763. 53	$a\ ^4D_{1\frac{1}{2}}—x\ ^4D^\circ_{0\frac{1}{2}}$
2184. 36	100	45765. 64	$a\ ^4P_{2\frac{1}{2}}—y\ ^4P^\circ_{1\frac{1}{2}}$
2183. 61	10	45781. 35	$a\ ^2D_{1\frac{1}{2}}—y\ ^2P^\circ_{0\frac{1}{2}}$
2183. 48	5	45784. 08	
2182. 76	10	45804. 00	$a\ ^2I_{6\frac{1}{2}}—z\ ^2K^\circ_{7\frac{1}{2}}$
2181. 98	12*w*	45815. 54	$b\ ^4G_{3\frac{1}{2}}—w\ ^4G^\circ_{3\frac{1}{2}}$ $c\ ^2F_{3\frac{1}{2}}—u\ ^2G^\circ_{4\frac{1}{2}}$
2181. 36	22	45828. 56	$a\ ^4D_{1\frac{1}{2}}—y\ ^4F^\circ_{1\frac{1}{2}}$
2181. 01	2	45835. 92	
2180. 26	15	45851. 68	$a\ ^2G_{4\frac{1}{2}}—w\ ^2H^\circ_{4\frac{1}{2}}$ $b\ ^4D_{3\frac{1}{2}}—w\ ^2G^\circ_{3\frac{1}{2}}$
2180. 02	8	45856. 73	$a\ ^4P_{0\frac{1}{2}}—z\ ^2P^\circ_{1\frac{1}{2}}$
2179. 02	2	45877. 77	
2178. 32	2	45892. 51	
2177. 87	15	45901. 99	$a\ ^2F_{2\frac{1}{2}}—x\ ^2D^\circ_{1\frac{1}{2}}$
2177. 52	10	45909. 37	
2176. 65	3	45927. 72	$a\ ^2I_{5\frac{1}{2}}—y\ ^2I^\circ_{6\frac{1}{2}}$
2176. 40	2	45932. 99	
2176. 18	3	45937. 64	
2175. 40	12	45954. 11	$a\ ^4D_{2\frac{1}{2}}—y\ ^4H^\circ_{3\frac{1}{2}}$
2175. 06	1	45961. 29	
2174. 59	2	45971. 22	$a\ ^4D_{3\frac{1}{2}}—y\ ^4G^\circ_{3\frac{1}{2}}$
2174. 40	2	45975. 24	$b\ ^4F_{1\frac{1}{2}}—w\ ^4G^\circ_{2\frac{1}{2}}$
2174. 08	15	45982. 00	$b\ ^4F_{2\frac{1}{2}}—w\ ^4G^\circ_{2\frac{1}{2}}$

TABLE 1. *Wavelengths and term combinations of* Mo II—Continued

Wavelength λ_{air}	Intensity	Wave No.	Term combination
2173. 70	3	45990. 04	
2173. 54	1	45993. 42	
2173. 14	12	46001. 89	$a\ ^2P_{1½}—u\ ^2D°_{2½}$
2172. 90	15	46006. 97	$a\ ^4D_{3½}—y\ ^4G°_{4½}$
2170. 94	20	46048. 51	$a\ ^4D_{2½}—y\ ^4F°_{2½}$
2170. 15	10	46065. 27	$a\ ^4D_{3½}—(2)\ ^3°_{2½}$
2169. 52	22	46078. 64	$a\ ^2G_{3½}—v\ ^2F°_{2½}$ $b\ ^4D_{1½}—x\ ^2D°_{1½}$
2169. 39	5	46081. 40	$b\ ^4D_{2½}—w\ ^2G°_{3½}$
2168. 77	20	46094. 57	$a\ ^4D_{3½}—y\ ^4G°_{2½}$
2167. 73	5	46116. 69	
2166. 87	6	46134. 98	$b\ ^4G_{2½}—w\ ^4G°_{3½}$
2166. 58	18	46141. 16	$a\ ^4D_{0½}—x\ ^4D°_{0½}$
2166. 43	8	46144. 36	
2165. 80	22	46157. 78	$a\ ^4D_{3½}—y\ ^4F°_{3½}$
2165. 19	75	46170. 78	$a\ ^4F_{4½}—x\ ^2H°_{4½}$
2164. 68	1	46181. 65	
2164. 43	2	46186. 99	$b\ ^4G_{3½}—v\ ^4D°_{3½}$
2164. 12	5	46193. 60	$b\ ^4G_{5½}—w\ ^4G°_{4½}$
2163. 78	25	46200. 86	$a\ ^4G_{5½}—z\ ^4I_{6½}$
2163. 64	20	46203. 86	$a\ ^2F_{3½}—x\ ^2D°_{2½}$
2163. 54	10	46205. 99	$a\ ^4P_{0½}—z\ ^2P°_{0½}$ $a\ ^4D_{0½}—y\ ^4F°_{1½}$
2162. 96	10	46218. 38	$a\ ^4D_{1½}—y\ ^4F°_{2½}$
2162. 22	3	46234. 19	
2161. 67	25	46245. 95	$b\ ^4G_{5½}—v\ ^4F°_{4½}$
2160. 65	10	46267. 78	$b\ ^2F_{2½}—u\ ^2F°_{2½}$
2160. 14	1	46278. 71	
2159. 79	2	46286. 20	
2159. 36	1*w*	46295. 42	
2158. 90	2*w*	46305. 28	$b\ ^4G_{3½}—v\ ^4D°_{3½}$
2158. 04	4	46323. 73	
2157. 71	5	46330. 82	
2157. 33	12	46338. 98	
2157. 10	5	46343. 92	
2156. 74	30	46351. 65	$a\ ^4D_{3½}—y\ ^4H°_{3½}$
2156. 47	8	46357. 45	$a\ ^2F_{2½}—w\ ^2G°_{3½}$ $a\ ^6D_{0½}—y\ ^4D_{1½}$
2155. 84	12	46371. 00	$b\ ^4G_{4½}—w\ ^4G°_{4½}$
2155. 54	4	46377. 45	
2155. 29	1	46382. 83	
2155. 10	10	46386. 92	
2154. 63	10	46397. 04	$a\ ^4P_{1½}—z\ ^2P°_{0½}$
2154. 04	15	46409. 75	
2153. 38	15	46423. 97	$a\ ^2G_{3½}—w\ ^2D°_{2½}$ $b\ ^4G_{4½}—v\ ^4F°_{4½}$
2152. 77	3	46437. 12	
2152. 51	35	46442. 73	$c\ ^2G_{3½}—t\ ^2G°_{3½}$ $c\ ^2G_{4½}—v\ ^2H°_{3½}$ $a\ ^4H_{3½}—v\ ^2F°_{2½}$
2152. 01	1	46453. 52	$b\ ^4G_{4½}—v\ ^4F°_{3½}$
2150. 70	4	46481. 81	
2150. 48	10	46486. 56	
2150. 23	4	46491. 97	
2149. 77	15	46501. 91	$a\ ^2F_{3½}—w\ ^2G°_{4½}$
2149. 36	1	46510. 78	
2149. 12	6	46515. 98	
2148. 94	2	46519. 87	
2148. 87	3	46521. 39	
2148. 31	8*d*?	46533. 51	$a\ ^4D_{2½}—z\ ^2F°_{3½}$
2147. 82	10	46544. 13	$a\ ^4H_{4½}—v\ ^2F°_{3½}$
2147. 67	12	46547. 38	$a\ ^4G_{2½}—z\ ^2P°_{1½}$
2147. 52	10	46550. 63	$a\ ^4D_{3½}—y\ ^4H°_{4½}$
2147. 12	6	46559. 30	$a\ ^4D_{2½}—x\ ^4F°_{1½}$
2146. 85	10	46565. 16	$b\ ^4G_{3½}—w\ ^4G°_{4½}$
2146. 46	10	46573. 62	$c\ ^2F_{3½}—t\ ^2G°_{4½}$
2146. 21	1	46579. 04	$b\ ^4D_{3½}—w\ ^2H°_{4½}$
2145. 24	7	46600. 10	$a\ ^4F_{1½}—x\ ^2D°_{1½}$
2145. 09	6	46603. 36	
2144. 59	1	46614. 22	$a\ ^6S_{2½}—z\ ^6F°_{2½}$
2143. 25	40	46643. 36	$a\ ^4P_{1½}—x\ ^4D°_{2½}$
2142. 44	22	46661. 00	$a\ ^4P_{0½}—x\ ^4D°_{1½}$
2141. 37	25	46684. 30	$a\ ^2F_{3½}—w\ ^2G°_{3½}$
2140. 50	1	46703. 28	
2140. 28	2	46708. 08	
2140. 05	5	46713. 10	
2139. 45	25	46726. 20	$a\ ^4P_{1½}—y\ ^4P°_{2½}$
2139. 29	10	46729. 70	$a\ ^4D_{1½}—x\ ^4F°_{1½}$
2139. 05	5	46734. 94	$a\ ^4P_{2½}—y\ ^4P°_{2½}$
2138. 34	12	46750. 45	
2137. 58	10	46767. 07	$a\ ^2H_{4½}—u\ ^2F°_{3½}$
2136. 97	10	46780. 41	$c\ ^2D_{2½}—t\ ^2D°_{2½}$
2136. 60	10	46788. 52	$a\ ^4H_{3½}—w\ ^2D°_{2½}$
2136. 04	22	46800. 78	$a\ ^4P_{2½}—x\ ^4D°_{3½}$ $b\ ^4F_{4½}—w\ ^4G°_{3½}$
2135. 96	5	46802. 54	
2135. 50	2	46812. 62	$b\ ^4P_{2½}—w\ ^4G°_{3½}$
2135. 13	2	46820. 73	
2135. 00	18	46821. 38	$b\ ^4F_{3½}—v\ ^4F°_{2½}$
2134. 43	8	46836. 08	$a\ ^4D_{3½}—y\ ^4F°_{4½}$
2134. 01	10	46845. 30	$b\ ^4F_{3½}—w\ ^4G°_{3½}$
2133. 71	7	46851. 88	$a\ ^4P_{1½}—x\ ^4D°_{1½}$
2133. 39	25	46858. 91	$a\ ^4D_{2½}—x\ ^4F°_{3½}$
2133. 06	40	46866. 16	$a\ ^2D_{1½}—w\ ^2F°_{2½}$
2132. 94	3	46868. 79	
2131. 89	12	46891. 87	
2131. 69	1	46896. 27	
2131. 39	7	46902. 87	$a\ ^4P_{2½}—\ (1)\ ^3°_{2½}$
2130. 86	7	46914. 54	
2130. 29	4	46927. 09	$b\ ^4F_{1½}—v\ ^4F°_{1½}$ $b\ ^4D_{2½}—w\ ^2D°_{1½}$
2130. 15	10	46930. 18	$a\ ^4D_{3½}—z\ ^2F°_{3½}$ $a\ ^6D_{2½}—y\ ^4D°_{2½}$
2129. 98	4	46933. 92	$b\ ^4F_{2½}—v\ ^4F°_{2½}$
2128. 92	5	46957. 29	$b\ ^4F_{2½}—w\ ^4G°_{3½}$
2128. 63	22	46963. 68	$a\ ^2G_{4½}—v\ ^2F°_{3½}$
2127. 89	2	46980. 45	$b\ ^2F_{2½}—w\ ^4G°_{2½}$
2127. 36	3	46991. 71	$a\ ^4H_{3½}—v\ ^2F°_{3½}$
2127. 27	18	46993. 70	$a\ ^4D_{1½}—x\ ^4F°_{2½}$
2127. 11	4	46997. 24	
2126. 46	15	47011. 60	$a\ ^4G_{3½}—x\ ^4D°_{2½}$
2125. 92	75	47023. 54	$a\ ^2I_{5½}—x\ ^2H°_{4½}$
2124. 84	18	47047. 44	$b\ ^2F_{2½}—t\ ^2F°_{3½}$ $a\ ^4P_{0½}—x\ ^4D°_{0½}$
2124. 37	2	47057. 85	
2124. 18	4	47062. 05	
2124. 09	25	47064. 05	$a\ ^4G_{4½}—x\ ^4D°_{3½}$
2123. 31	22	47081. 34	$b\ ^2F_{3½}—u\ ^2F°_{3½}$
2122. 13	20	47107. 51	$a\ ^4D_{0½}—x\ ^4F°_{1½}$
2121. 88	15	47113. 06	$a\ ^4P_{0½}—y\ ^4F°_{1½}$
2121. 37	8	47124. 38	
2120. 53	15	47143. 05	$a\ ^4G_{2½}—x\ ^4D°_{2½}$
2120. 17	10	47151. 05	$b\ ^2I_{5½}—u\ ^2G°_{4½}$
2119. 71	25	47161. 29	$a\ ^4G_{3½}—x\ ^4D°_{3½}$
2119. 11	1	47174. 64	

TABLE 1. *Wavelengths and term combinations of* Mo II—Continued

Wavelength λ_{air}	Intensity	Wave No.	Term combination
2118.89	2	47179.53	
2118.31	7	47192.45	
2118.23	8	47194.24	
2117.84	20	47202.93	$a\ ^2F_{2\frac{1}{2}}$—$w\ ^2D^\circ_{1\frac{1}{2}}$
2117.54	3	47209.61	
2117.18	10	47217.64	$b\ ^4F_{3\frac{1}{2}}$—$v\ ^4D^\circ_{2\frac{1}{2}}$
2116.98	12	47222.10	
2116.77	55	47226.78	$a\ ^4P_{2\frac{1}{2}}$—$y\ ^4G^\circ_{3\frac{1}{2}}$
2116.57	10	47231.24	$b\ ^4P_{1\frac{1}{2}}$—$w\ ^4G^\circ_{2\frac{1}{2}}$
2116.34	6	47236.37	
2115.98	1	47244.41	
2115.44	20	47256.47	$a\ ^4D_{3\frac{1}{2}}$—$x\ ^4F^\circ_{3\frac{1}{2}}$
2115.10	25	47264.06	$a\ ^4G_{3\frac{1}{2}}$— (1)$^\circ_{3\frac{1}{2}}$
2114.72	18	47272.55	$b\ ^4G_{5\frac{1}{2}}$—$w\ ^4G^\circ_{5\frac{1}{2}}$
2114.32	20	47281.50	$a\ ^4G_{5\frac{1}{2}}$—$z\ ^2I^\circ_{5\frac{1}{2}}$
2114.13	6	47285.75	$a\ ^2D_{2\frac{1}{2}}$—$w\ ^2F^\circ_{2\frac{1}{2}}$
2113.86	18	47291.79	
2113.36	18	47302.97	$b\ ^4P_{2\frac{1}{2}}$—$v\ ^4D^\circ_{3\frac{1}{2}}$ $a\ ^4P_{1\frac{1}{2}}$—$y\ ^4F^\circ_{1\frac{1}{2}}$
2112.98	8	47311.48	$a\ ^4P_{2\frac{1}{2}}$—$y\ ^4F^\circ_{1\frac{1}{2}}$
2112.31	1	47326.48	$a\ ^6D_{3\frac{1}{2}}$—$z\ ^4G^\circ_{4\frac{1}{2}}$
2111.97	8	47334.10	
2111.72	15	47339.71	$a\ ^4F_{3\frac{1}{2}}$—$w\ ^2G^\circ_{3\frac{1}{2}}$ $b\ ^2F_{3\frac{1}{2}}$—$t\ ^2F^\circ_{3\frac{1}{2}}$
2111.18	20*d*?	47351.81	$a\ ^4G_{2\frac{1}{2}}$—$x\ ^4D^\circ_{1\frac{1}{2}}$
2110.56	10	47365.72	
2110.25	2	47372.68	
2109.94	25	47379.64	$b\ ^4D_{1\frac{1}{2}}$—$w\ ^2D^\circ_{1\frac{1}{2}}$ $a\ ^4D_{3\frac{1}{2}}$—$x\ ^4F^\circ_{4\frac{1}{2}}$
2109.23	18	47395.59	$a\ ^4G_{2\frac{1}{2}}$— (1)$^\circ_{2\frac{1}{2}}$
2108.74	22	47406.60	$a\ ^4D_{2\frac{1}{2}}$—$z\ ^4S^\circ_{1\frac{1}{2}}$
2108.42	1	47413.79	$a\ ^4P_{2\frac{1}{2}}$—$y\ ^4F^\circ_{3\frac{1}{2}}$
2108.04	50	47422.33	$a\ ^2I_{6\frac{1}{2}}$—$x\ ^2H^\circ_{5\frac{1}{2}}$
2107.63	4	47431.56	
2106.99	2	47445.96	
2106.81	10	47450.02	$c\ ^2D_{1\frac{1}{2}}$—$t\ ^2D^\circ_{2\frac{1}{2}}$ $b\ ^4G_{4\frac{1}{2}}$—$w\ ^4G^\circ_{5\frac{1}{2}}$
2106.25	2	47462.63	
2105.94	1	47469.62	
2105.69	1	47475.25	
2105.40	2	47481.79	
2105.03	40	47490.14	$a\ ^4G_{4\frac{1}{2}}$—$y\ ^4G^\circ_{3\frac{1}{2}}$
2104.28	5	47507.06	$a\ ^4G_{5\frac{1}{2}}$—$y\ ^4G^\circ_{4\frac{1}{2}}$
2103.43	18	47526.26	$a\ ^4G_{4\frac{1}{2}}$—$y\ ^4G^\circ_{4\frac{1}{2}}$
2103.19	1	47527.16	
2102.77	7	47541.18	$b\ ^2D_{2\frac{1}{2}}$—$u\ ^2D^\circ_{2\frac{1}{2}}$
2102.65	2	47543.89	
2102.36	12	47550.44	$a\ ^2P_{1\frac{1}{2}}$—$v\ ^2P^\circ_{1\frac{1}{2}}$ $b\ ^4F_{4\frac{1}{2}}$—$w\ ^4G^\circ_{4\frac{1}{2}}$
2101.70	25	47565.37	
2101.21	15	47576.46	$a\ ^4D_{1\frac{1}{2}}$—$z\ ^4S^\circ_{1\frac{1}{2}}$
2100.83	50	47585.07	$c\ ^2F_{2\frac{1}{2}}$—$t\ ^2G^\circ_{3\frac{1}{2}}$ $a\ ^4G_{4\frac{1}{2}}$— (2)$^\circ_{5\frac{1}{2}}$
2100.70	30	47588.01	$a\ ^4G_{3\frac{1}{2}}$—$y\ ^4G^\circ_{3\frac{1}{2}}$
2100.36	10	47595.72	$b\ ^4F_{3\frac{1}{2}}$—$w\ ^4G^\circ_{4\frac{1}{2}}$
2100.04	15	47602.96	$b\ ^4F_{4\frac{1}{2}}$—$v\ ^4F^\circ_{4\frac{1}{2}}$
2099.71	3	47610.45	
2099.45	2	47616.34	
2099.34	1	47618.84	
2099.14	12	47623.37	$a\ ^4G_{3\frac{1}{2}}$—$y\ ^4G^\circ_{4\frac{1}{2}}$
2098.71	1	47633.13	$b\ ^4F_{4\frac{1}{2}}$—$v\ ^4F^\circ_{3\frac{1}{2}}$
2098.57	1	47636.32	
2098.04	12	47648.34	$a\ ^2F_{2\frac{1}{2}}$—$v\ ^2F^\circ_{2\frac{1}{2}}$ $b\ ^4F_{3\frac{1}{2}}$—$v\ ^4F^\circ_{4\frac{1}{2}}$
2097.62	1*w*	47657.88	$c\ ^4D_{2\frac{1}{2}}$—$u\ ^2G^\circ_{3\frac{1}{2}}$ $a\ ^2D_{2\frac{1}{2}}$—$w\ ^2F^\circ_{3\frac{1}{2}}$
2097.21	5*d*?	47667.19	$b\ ^4D_{0\frac{1}{2}}$—$w\ ^2D^\circ_{1\frac{1}{2}}$
2097.02	6	47671.51	
2096.73	12	47678.10	$b\ ^4F_{3\frac{1}{2}}$—$v\ ^4F^\circ_{3\frac{1}{2}}$
2096.55	12	47682.20	$a\ ^4G_{3\frac{1}{2}}$— (2)$^\circ_{3\frac{1}{2}}$
2096.16	12	47691.07	$b\ ^4D_{3\frac{1}{2}}$—$v\ ^2F^\circ_{3\frac{1}{2}}$
2096.04	5	47693.80	$a\ ^4P_{1\frac{1}{2}}$—$y\ ^4F^\circ_{2\frac{1}{2}}$
2095.67	4	47702.22	$a\ ^4P_{2\frac{1}{2}}$—$y\ ^4F^\circ_{2\frac{1}{2}}$
2095.29	35	47710.86	$a\ ^4G_{3\frac{1}{2}}$—$y\ ^4G^\circ_{2\frac{1}{2}}$
2094.94	2	47718.83	$a\ ^4G_{2\frac{1}{2}}$—$y\ ^4G^\circ_{3\frac{1}{2}}$
2094.54	1	47727.95	
2094.28	7*w*	47733.88	
2093.94	2	47741.62	$a\ ^2G_{3\frac{1}{2}}$—$u\ ^2F^\circ_{2\frac{1}{2}}$
2093.78	1	47745.27	
2093.58	1	47749.83	
2093.11	50	47760.55	$a\ ^4G_{5\frac{1}{2}}$—$y\ ^4G^\circ_{5\frac{1}{2}}$
2092.53	30	47773.78	$a\ ^4G_{3\frac{1}{2}}$—$y\ ^4F^\circ_{3\frac{1}{2}}$
2092.26	7	47779.95	$a\ ^4G_{4\frac{1}{2}}$—$y\ ^4G^\circ_{5\frac{1}{2}}$
2091.81	10	47790.23	$b\ ^4F_{2\frac{1}{2}}$—$v\ ^4F^\circ_{3\frac{1}{2}}$
2091.23	25	47803.48	$a\ ^4G_{2\frac{1}{2}}$—$y\ ^4F^\circ_{1\frac{1}{2}}$
2091.00	5	47808.74	
2090.64	1	47816.97	
2090.30	2	47824.75	$b\ ^4D_{1\frac{1}{2}}$—$v\ ^2F^\circ_{2\frac{1}{2}}$
2090.14	18	47828.41	$a\ ^4F_{1\frac{1}{2}}$—$x\ ^2P^\circ_{0\frac{1}{2}}$
2089.92	1	47833.44	
2089.53	40	47842.37	$a\ ^4G_{2\frac{1}{2}}$—$y\ ^4G^\circ_{2\frac{1}{2}}$
2089.22	2	47849.47	
2088.72	5	47860.92	
2088.30	30	47870.54	$a\ ^4G_{4\frac{1}{2}}$—$y\ ^4H^\circ_{3\frac{1}{2}}$
2088.16	10	47873.75	$a\ ^2D_{1\frac{1}{2}}$—$x\ ^2D^\circ_{1\frac{1}{2}}$
2087.65	1	47885.45	
2087.30	30	47893.47	
2086.77	20	47905.64	$a\ ^4D_{3\frac{1}{2}}$—$y\ ^2G^\circ_{3\frac{1}{2}}$ $a\ ^4G_{2\frac{1}{2}}$—$y\ ^4F^\circ_{3\frac{1}{2}}$
2086.19	2	47918.95	
2085.86	1	47926.53	
2085.57	1	47933.20	
2085.30	1	47939.40	
2085.08	10	47944.46	
2084.64	20	47954.58	$a\ ^4D_{0\frac{1}{2}}$—$z\ ^4S^\circ_{1\frac{1}{2}}$
2084.42	7	47959.64	
2084.12	3	47966.54	
2084.07	18	47967.69	$a\ ^4G_{3\frac{1}{2}}$—$y\ ^4H^\circ_{3\frac{1}{2}}$
2083.76	22	47974.83	$a\ ^2F_{3\frac{1}{2}}$—$v\ ^2F^\circ_{2\frac{1}{2}}$
2083.38	1	47983.58	
2082.52	6	48003.39	$a\ ^4H_{4\frac{1}{2}}$—$u\ ^2F^\circ_{3\frac{1}{2}}$
2081.67	25	48022.99	$a\ ^6S_{2\frac{1}{2}}$—$z\ ^4P^\circ_{1\frac{1}{2}}$
2081.46	7	48027.83	
2080.47	40	48050.68	$a\ ^4G_{5\frac{1}{2}}$—$y\ ^4H^\circ_{4\frac{1}{2}}$
2080.12	20	48058.77	$a\ ^2H_{5\frac{1}{2}}$—$v\ ^2G^\circ_{4\frac{1}{2}}$
2079.98	10	48062.00	$a\ ^4G_{3\frac{1}{2}}$—$y\ ^4F^\circ_{2\frac{1}{2}}$
2079.75	5	48067.32	$a\ ^4F_{3\frac{1}{2}}$—$w\ ^2H^\circ_{4\frac{1}{2}}$
2079.63	6	48070.09	$a\ ^4G_{4\frac{1}{2}}$—$y\ ^4H^\circ_{4\frac{1}{2}}$
2079.12	3	48081.88	
2078.85	3	48088.12	$a\ ^4F_{4\frac{1}{2}}$—$w\ ^2H^\circ_{4\frac{1}{2}}$
2078.36	6	48099.46	$a\ ^4G_{2\frac{1}{2}}$—$y\ ^4H^\circ_{3\frac{1}{2}}$
2078.15	7	48104.32	$a\ ^4F_{2\frac{1}{2}}$—$w\ ^2D^\circ_{1\frac{1}{2}}$
2077.73	10*w*	48114.05	
2077.57	2	48117.75	

TABLE 1. *Wavelengths and term combinations of* Mo II—Continued

Wavelength λ_{air}	Intensity	Wave No.	Term combination
2077. 22	5	48125. 86	
2076. 34	4	48146. 25	
2075. 43	10	48167. 36	$a\ ^4G_{3\frac{1}{2}}$—$y\ ^4H^\circ_{4\frac{1}{2}}$
2074. 65	20	48185. 46	$a\ ^4P_{2\frac{1}{2}}$—$z\ ^2F^\circ_{3\frac{1}{2}}$
2074. 46	10	48189. 88	
2074. 31	30	48193. 36	$a\ ^4G_{2\frac{1}{2}}$—$y\ ^4F^\circ_{2\frac{1}{2}}$
2073. 47	12	48212. 88	$a\ ^4P_{2\frac{1}{2}}$—$x\ ^4F^\circ_{1\frac{1}{2}}$
2073. 11	8	48221. 25	
2072. 80	3*w*	48228. 46	
2072. 05	7	48245. 92	
2071. 65	18	48255. 23	
2071. 37	4	48261. 75	$a\ ^4H_{4\frac{1}{2}}$—$t\ ^2F^\circ_{3\frac{1}{2}}$
2071. 07	18	48268. 75	$a\ ^2D_{2\frac{1}{2}}$—$x\ ^2D^\circ_{2\frac{1}{2}}$
2070. 90	10	48272. 71	$b\ ^2G_{4\frac{1}{2}}$—$u\ ^2G^\circ_{3\frac{1}{2}}$
2070. 37	2	48285. 06	$a\ ^6D_{2\frac{1}{2}}$—$y\ ^4D^\circ_{3\frac{1}{2}}$
2070. 00	18	48293. 69	$a\ ^2D_{2\frac{1}{2}}$—$x\ ^2D^\circ_{1\frac{1}{2}}$
2069. 80	20	48298. 36	$a\ ^2I_{6\frac{1}{2}}$—$w\ ^2H^\circ_{5\frac{1}{2}}$
2068. 95	2	48318. 20	
2068. 84	2	48320. 76	$a\ ^2F_{3\frac{1}{2}}$—$w\ ^2D^\circ_{2\frac{1}{2}}$
2068. 65	12	48325. 20	
2068. 25	4	48334. 55	
2068. 20	12	48335. 72	$a\ ^4D_{3\frac{1}{2}}$—$y\ ^2H^\circ_{4\frac{1}{2}}$ $a\ ^4G_{5\frac{1}{2}}$—$y\ ^4F^\circ_{4\frac{1}{2}}$
2067. 74	1	48346. 47	$a\ ^4F_{1\frac{1}{2}}$—$v\ ^2F^\circ_{2\frac{1}{2}}$
2067. 36	20	48355. 35	$a\ ^4G_{4\frac{1}{2}}$—$y\ ^4F^\circ_{4\frac{1}{2}}$
2066. 90	8	48366. 12	
2066. 50	3*w*	48375. 47	
2066. 18	10	48382. 96	$a\ ^2F_{2\frac{1}{2}}$—$x\ ^2P^\circ_{1\frac{1}{2}}$
2065. 71	2	48393. 97	
2065. 33	2	48402. 87	
2064. 96	1	48411. 55	
2064. 46	7	48423. 27	$a\ ^2G_{4\frac{1}{2}}$—$u\ ^2F^\circ_{3\frac{1}{2}}$
2064. 26	5	48427. 96	
2063. 34	5	48449. 55	$a\ ^4G_{4\frac{1}{2}}$—$y\ ^4F^\circ_{3\frac{1}{2}}$
2063. 26	18	48451. 43	
2063. 20	10	48452. 84	$a\ ^4G_{3\frac{1}{2}}$—$y\ ^4F^\circ_{4\frac{1}{2}}$ $a\ ^2G_{3\frac{1}{2}}$—$w\ ^4G^\circ_{2\frac{1}{2}}$
2062. 83	1	48461. 53	
2062. 50	4	48469. 28	$a\ ^4P_{1\frac{1}{2}}$—$x\ ^4F^\circ_{2\frac{1}{2}}$
2062. 18	1	48476. 80	$a\ ^4P_{2\frac{1}{2}}$—$x\ ^4F^\circ_{2\frac{1}{2}}$
2061. 98	8	48481. 50	$b\ ^2H_{4\frac{1}{2}}$—$u\ ^2G^\circ_{3\frac{1}{2}}$
2061. 72	8	48487. 62	$a\ ^4D_{2\frac{1}{2}}$—$(3)^\circ_{3\frac{1}{2}}$
2060. 65	4	48512. 79	$a\ ^4P_{2\frac{1}{2}}$—$x\ ^4F^\circ_{2\frac{1}{2}}$
2060. 33	40	48520. 32	$a\ ^2G_{3\frac{1}{2}}$—$t\ ^2F^\circ_{2\frac{1}{2}}$
2059. 54	6	48538. 93	
2059. 23	20	48546. 24	$a\ ^4G_{3\frac{1}{2}}$—$z\ ^4F^\circ_{3\frac{1}{2}}$
2058. 92	2	48553. 55	
2058. 82	3	48555. 91	
2058. 70	4	48558. 74	$a\ ^4D_{1\frac{1}{2}}$—$x\ ^4G^\circ_{2\frac{1}{2}}$ $b\ ^2I_{5\frac{1}{2}}$—$v\ ^2H^\circ_{4\frac{1}{2}}$
2058. 53	2	48562. 74	
2057. 85	3	48578. 79	$b\ ^4P_{1\frac{1}{2}}$—$v\ ^4D^\circ_{2\frac{1}{2}}$
2057. 46	25	48587. 99	
2056. 90	8	48601. 22	
2056. 22	1	48617. 29	
2055. 68	40	48630. 06	$b\ ^4F_{4\frac{1}{2}}$—$w\ ^4G^\circ_{5\frac{1}{2}}$
2054. 96	8	48647. 10	$b\ ^2D_{2\frac{1}{2}}$—$u\ ^2G^\circ_{3\frac{1}{2}}$
2054. 34	6	48661. 78	
2053. 53	2	48680. 97	$a\ ^2G_{4\frac{1}{2}}$—$t\ ^2F^\circ_{3\frac{1}{2}}$
2053. 00	3	48693. 54	$a\ ^4G_{5\frac{1}{2}}$—$y\ ^4H^\circ_{5\frac{1}{2}}$
2052. 91	3	48695. 67	$a\ ^4P_{1\frac{1}{2}}$—$z\ ^2F^\circ_{2\frac{1}{2}}$
2052. 55	6	48704. 21	$a\ ^4G_{2\frac{1}{2}}$—$x\ ^4F^\circ_{1\frac{1}{2}}$
2052. 52	12	48704. 92	
2052. 35	2	48708. 96	$a\ ^4H_{3\frac{1}{2}}$—$t\ ^2F^\circ_{3\frac{1}{2}}$
2052. 21	10	48712. 28	$a\ ^4G_{4\frac{1}{2}}$—$y\ ^4H^\circ_{5\frac{1}{2}}$
2051. 50	1	48729. 13	
2051. 09	2*w*	48738. 87	$a\ ^4D_{2\frac{1}{2}}$—$y\ ^2D^\circ_{2\frac{1}{2}}$
2050. 64	10	48749. 57	$a\ ^2D_{2\frac{1}{2}}$—$w\ ^2G^\circ_{3\frac{1}{2}}$
2050. 34	3*w*	48756. 70	
2050. 24	2*w*	48759. 08	
2049. 54	5	48775. 73	$a\ ^4G_{4\frac{1}{2}}$—$x\ ^4F^\circ_{3\frac{1}{2}}$
2048. 60	3	48798. 10	
2047. 97	1	48813. 11	
2047. 78	10	48817. 64	$a\ ^4H_{3\frac{1}{2}}$—$w\ ^4G^\circ_{2\frac{1}{2}}$
2046. 94	18	48837. 67	$a\ ^4G_{3\frac{1}{2}}$—$x\ ^4F^\circ_{2\frac{1}{2}}$
2045. 98	75	48860. 59	$a\ ^4P_{0\frac{1}{2}}$—$z\ ^4S^\circ_{1\frac{1}{2}}$ $a\ ^6S_{2\frac{1}{2}}$—$z\ ^4P^\circ_{2\frac{1}{2}}$
2045. 48	20	48872. 53	$a\ ^4G_{3\frac{1}{2}}$—$x\ ^4F^\circ_{3\frac{1}{2}}$
2045. 19	10	48879. 46	$a\ ^4G_{5\frac{1}{2}}$—$x\ ^4F^\circ_{4\frac{1}{2}}$
2044. 96	8	48885. 43	$a\ ^4H_{3\frac{1}{2}}$—$t\ ^2F^\circ_{2\frac{1}{2}}$
2044. 38	40	48898. 82	$a\ ^4G_{4\frac{1}{2}}$—$x\ ^4F^\circ_{4\frac{1}{2}}$
2042. 66	40	48939. 99	$a\ ^2I_{5\frac{1}{2}}$—$w\ ^2H^\circ_{4\frac{1}{2}}$
2042. 20	2	48951. 01	
2041. 99	10	48956. 05	$b\ ^2H_{5\frac{1}{2}}$—$u\ ^2G^\circ_{4\frac{1}{2}}$
2041. 45	20	48968. 99	$a\ ^4G_{2\frac{1}{2}}$—$x\ ^4F^\circ_{2\frac{1}{2}}$
2041. 14	2	48976. 43	$a\ ^4F_{3\frac{1}{2}}$—$w\ ^2D^\circ_{2\frac{1}{2}}$
2040. 85	2	48983. 39	
2040. 38	15	48994. 67	
2040. 34	10	48995. 63	$a\ ^4G_{3\frac{1}{2}}$—$x\ ^4F^\circ_{4\frac{1}{2}}$
2039. 98	3	49004. 27	$a\ ^4G_{2\frac{1}{2}}$—$x\ ^4F^\circ_{3\frac{1}{2}}$
2038. 46	75*r*	49040. 80	$a\ ^6S_{2\frac{1}{2}}$—$z\ ^6P^\circ_{1\frac{1}{2}}$
2038. 02	25	49051. 40	$a\ ^4P_{1\frac{1}{2}}$—$z\ ^4S^\circ_{1\frac{1}{2}}$
2037. 67	20	49059. 82	$a\ ^4P_{2\frac{1}{2}}$—$z\ ^4S^\circ_{1\frac{1}{2}}$
2037. 60	30	49061. 50	
2036. 77	6	49081. 50	$a\ ^4F_{1\frac{1}{2}}$—$x\ ^2P^\circ_{1\frac{1}{2}}$
2036. 41	7	49090. 17	$b\ ^2D_{2\frac{1}{2}}$—$v\ ^2P^\circ_{1\frac{1}{2}}$ $b\ ^2I_{5\frac{1}{2}}$—$v\ ^2H^\circ_{5\frac{1}{2}}$
2035. 90	15	49102. 46	$a\ ^2D_{1\frac{1}{2}}$—$x\ ^2P^\circ_{0\frac{1}{2}}$
2034. 90	2	49126. 59	
2034. 52	1	49135. 76	$a\ ^4D_{3\frac{1}{2}}$—$y\ ^2D^\circ_{2\frac{1}{2}}$
2034. 32	6	49140. 60	$a\ ^4D_{3\frac{1}{2}}$—$x\ ^4G^\circ_{3\frac{1}{2}}$
2033. 90	2	49150. 74	
2032. 91	10	49174. 68	$a\ ^2D_{1\frac{1}{2}}$—$w\ ^2D^\circ_{1\frac{1}{2}}$ $b\ ^4D_{0\frac{1}{2}}$—$w\ ^2P^\circ_{0\frac{1}{2}}$ $b\ ^2F_{3\frac{1}{2}}$—$w\ ^4G^\circ_{4\frac{1}{2}}$
2032. 71	1	49179. 51	$a\ ^4F_{3\frac{1}{2}}$—$v\ ^2F^\circ_{3\frac{1}{2}}$
2032. 61	10	49181. 93	
2032. 04	20	49195. 73	$a\ ^4G_{2\frac{1}{2}}$—$z\ ^2F^\circ_{2\frac{1}{2}}$
2031. 88	18	49199. 60	$a\ ^4F_{4\frac{1}{2}}$—$v\ ^2F^\circ_{3\frac{1}{2}}$ $a\ ^4D_{1\frac{1}{2}}$—$w\ ^4D^\circ_{0\frac{1}{2}}$
2031. 25	2	49214. 86	$a\ ^2F_{2\frac{1}{2}}$—$w\ ^2P^\circ_{1\frac{1}{2}}$
2031. 10	2*w*	49218. 49	
2030. 80	5	49225. 76	$a\ ^4D_{1\frac{1}{2}}$—$w\ ^4D^\circ_{1\frac{1}{2}}$
2030. 18	2	49240. 80	
2029. 62	5	49254. 37	
2028. 97	3	49270. 15	
2028. 29	25	49286. 67	
2028. 14	10	49290. 32	
2027. 69	3	49301. 25	
2027. 31	6	49310. 49	$a\ ^2F_{2\frac{1}{2}}$—$u\ ^2F^\circ_{2\frac{1}{2}}$
2026. 75	7	49324. 11	$a\ ^4D_{2\frac{1}{2}}$—$w\ ^4D^\circ_{2\frac{1}{2}}$
2025. 86	15	49345. 78	$a\ ^4H_{4\frac{1}{2}}$—$w\ ^4G^\circ_{3\frac{1}{2}}$
2025. 47	1	49355. 28	

TABLE 1. *Wavelengths and term combinations of* Mo II—Continued

Wavelength λ_{air}	Intensity	Wave No.	Term combination	Wavelength λ_{air}	Intensity	Wave No.	Term combination
2024.41	8	49381.12		2010.56	6	49721.24	$a\,^4D_{3½}$—$w\,^4D^\circ_{2½}$
2023.75	20	49397.22	$b\,^2I_{6½}$—$v\,^2H^\circ_{5½}$	2010.21	2	49729.89	
2023.28	3	49408.69	$a\,^4F_{1½}$—$w\,^2P^\circ_{0½}$	2009.52	5	49746.96	$a\,^6D_{4½}$—$y\,^4G^\circ_{5½}$; $b\,^4D_{2½}$—$w\,^4G^\circ_{3½}$
2023.22	2	49410.16	$b\,^2G_{3½}$—$u\,^2G^\circ_{4½}$				
2022.64	6	49424.32	$a\,^4G_{4½}$—$y\,^2G^\circ_{3½}$	2009.29	1	49752.66	$a\,^4P_{2½}$—$y\,^2D^\circ_{1½}$
				2009.06	1*w*	49758.36	
2021.79	6	49445.10	$a\,^4D_{3½}$—$x\,^4G^\circ_{4½}$				
2021.27	2	49457.82	$a\,^6D_{4½}$—$y\,^4G^\circ_{3½}$	2008.75	1	49766.03	$a\,^2G_{4½}$—$w\,^4G^\circ_{3½}$
2020.32	100*r*	49481.07	$a\,^6S_{2½}$—$z\,^6P^\circ_{3½}$	2008.60	4	49769.75	$a\,^4D_{3½}$—$w\,^4D^\circ_{3½}$
2019.32	2	49505.57		2008.33	1	49776.44	
2019.07	3	49511.70	$b\,^2H_{4½}$—$u\,^2G^\circ_{4½}$	2008.08	1	49782.64	
				2007.83	2	49888.83	
2018.89	1	49516.12					
2018.65	7	49522.00	$a\,^4G_{3½}$—$y\,^2G^\circ_{3½}$	2007.23	2	49803.71	
2018.49	8	49525.92	$a\,^6D_{3½}$—$y\,^4P^\circ_{2½}$	2006.98	3	49809.92	
2018.09	2	49535.74		2006.79	5	49814.63	
2018.00	1	49537.95		2006.36	25	49825.30	$c\,^2F_{3½}$—$s\,^2F^\circ_{3½}$
				2005.87	5	49837.47	$a\,^6D_{4½}$—$y\,^4H^\circ_{3½}$
2017.69	2	49545.56					
2017.44	1	49551.70	$a\,^6D_{4½}$— (2)$^\circ_{3½}$; $a\,^4G_{2½}$—$z\,^4S^\circ_{1½}$	2005.70	3	49841.70	
				2005.55	12	49845.43	$a\,^2P_{0½}$—$v\,^2P^\circ_{1½}$; $a\,^4H_{5½}$—$w\,^4G^\circ_{4½}$
2017.12	2	49559.56					
2016.76	1	49568.41		2005.19	3	49854.37	$a\,^4G_{4½}$—$y\,^2H^\circ_{4½}$
2016.36	2	49578.23	$a\,^4D_{0½}$—$w\,^4D^\circ_{0½}$	2004.81	1	49863.82	
				2004.56	2	49870.04	
2016.24	1	49581.19	$a\,^4P_{2½}$—$y\,^2F^\circ_{2½}$				
2016.04	2	49586.10		2004.20	2	49879.00	
2015.67	6	49595.21	$a\,^2D_{2½}$—$w\,^2D^\circ_{1½}$	2004.12	2	49880.99	
2015.12	50	49608.74	$a\,^6S_{2½}$—$z\,^6P^\circ_{2½}$	2003.81	4*w*	49888.70	
2014.78	4	49617.11	$a\,^2G_{4½}$—$v\,^2G^\circ_{4½}$	2003.19	1	49904.14	
				2002.84	5	49912.86	$a\,^4F_{1½}$—$w\,^2P^\circ_{1½}$
2014.38	1	49626.96	$a\,^4G_{5½}$—$z\,^2H^\circ_{5½}$				
2014.14	6	49632.87		2002.12	18	49930.81	$a\,^4G_{3½}$—$y\,^2F^\circ_{3½}$
2013.98	4	49636.82	$a\,^2F_{3½}$—$u\,^2F^\circ_{3½}$	2001.65	3	49942.53	$a\,^4G_{3½}$—$y\,^2F^\circ_{2½}$
2013.67	1	49644.46	$a\,^6D_{4½}$—$y\,^4F^\circ_{3½}$	2001.26	1*w*	49952.26	$c\,^2F_{3½}$—$t\,^2D^\circ_{2½}$; $a\,^4G_{3½}$—$y\,^2H^\circ_{4½}$
2013.29	1	49653.83	$a\,^4G_{2½}$—$y\,^2G^\circ_{3½}$				
				2000.74	1	49965.24	$a\,^2D_{1½}$—$w\,^2D^\circ_{2½}$
2013.04	1	49659.99		2000.66	2	49967.24	$a\,^4P_{2½}$—$x\,^2F^\circ_{2½}$
2012.70	6	49668.38	$a\,^4G_{5½}$—$y\,^4H^\circ_{6½}$				
2012.52	6	49672.82		2000.24	20	49977.73	$a\,^4G_{5½}$—$y\,^2H^\circ_{5½}$
2011.05	4	49709.12		2000.05	10	49982.47	$a\,^2F_{3½}$—$u\,^2F^\circ_{3½}$
2010.86	25	49713.82	$b\,^2H_{5½}$—$t\,^2G^\circ_{4½}$	1999.47	8	49996.92	$a\,^4G_{4½}$—$y\,^2H^\circ_{5½}$

TABLE 2. *Wavelengths of* Mo II *in vacuum*

Wavelength computed	Intensity	Wave No.	Term combination	Wavelength computed	Intensity	Wave No.	Term combination
1998.41	12	50039.83	$a\,^2D_{2½}$—$v\,^2F^\circ_{2½}$	1985.94	4	50354.61	$a\,^2D_{1½}$—$x\,^2P^\circ_{1½}$
1997.54	10	50061.70	$a\,^4G_{2½}$—$y\,^2F^\circ_{3½}$; $a\,^6D_{1½}$—$z\,^2P^\circ_{0½}$	1985.53	5	50364.35	$b\,^2H_{5½}$—$v\,^2H^\circ_{4½}$; $a\,^4G_{3½}$—$y\,^2G^\circ_{4½}$
1997.02	5	50074.50	$a\,^4G_{2½}$—$y\,^2F^\circ_{2½}$; $a\,^6D_{2½}$—$x\,^4D^\circ_{3½}$	1985.35	4	50368.82	$a\,^4D_{2½}$—$x\,^4P^\circ_{2½}$
				1984.70	15	50385.42	$a\,^2D_{2½}$—$w\,^2D^\circ_{2½}$
1996.40	18	50090.08	$a\,^2F_{2½}$—$t\,^2F^\circ_{2½}$	1984.47	2	50391.25	$a\,^4P_{2½}$—$y\,^2D^\circ_{2½}$; $a\,^6D_{1½}$—$y\,^4P^\circ_{2½}$
1995.53	1	50111.91	$a\,^6D_{3½}$—(2)$^\circ_{3½}$				
				1984.06	10	50401.67	$a\,^4G_{3½}$—$x\,^4G^\circ_{2½}$
1994.66	15	50133.76	$a\,^6D_{2½}$—$x\,^4D^\circ_{1½}$				
1994.42	5	50139.87	$a\,^4P_{2½}$—(3)$^\circ_{3½}$	1983.48	10	50416.41	$a\,^4D_{2½}$—$x\,^2G^\circ_{3½}$; $a\,^6D_{4½}$—$z\,^2F^\circ_{3½}$; $a\,^2F_{3½}$—$t\,^2F^\circ_{2½}$
1992.89	3	50178.38	$a\,^6D_{2½}$—(1)$^\circ_{2½}$; $a\,^2G_{3½}$—$w\,^4G^\circ_{4½}$				
				1981.08	1	50477.50	$a\,^4D_{2½}$—$w\,^4F^\circ_{1½}$
1992.35	10	50192.00	$a\,^6S_{2½}$—$z\,^6D^\circ_{1½}$	1980.49	7	50492.49	$b\,^4D_{3½}$—$w\,^4G^\circ_{3½}$; $a\,^6D_{3½}$—$y\,^4F^\circ_{2½}$
1992.07	2	50199.16	$b\,^4D_{1½}$—$w\,^4G^\circ_{2½}$				
				1979.83	2	50509.32	$a\,^4P_{0½}$—$w\,^4D^\circ_{1½}$
1990.44	15	50240.25	$a\,^2F_{3½}$—$t\,^2F^\circ_{3½}$				
1990.25	8	50245.05	$a\,^4G_{2½}$—$y\,^2D^\circ_{1½}$	1979.51	1	50516.49	$a\,^2G_{4½}$—$w\,^4C^\circ_{4½}$; $a\,^6D_{1½}$—$x\,^4D^\circ_{1½}$
1990.13	15	50247.94	$a\,^4G_{5½}$—$y\,^2G^\circ_{4½}$	1978.91	15	50532.98	$a\,^4G_{2½}$—$x\,^4G^\circ_{2½}$
1989.37	12	50267.07	$b\,^4D_{1½}$—$t\,^2F^\circ_{2½}$; $a\,^4G_{4½}$—$y\,^2G^\circ_{4½}$	1978.68	2	50538.82	$a\,^4D_{1½}$—$x\,^4P^\circ_{2½}$
				1978.24	18	50550.10	$a\,^4H_{6½}$—$w\,^4G^\circ_{5½}$
1987.97	20	50302.54	$a\,^6S_{2½}$—$z\,^6D^\circ_{3½}$	1977.17	20	50577.34	$a\,^6S_{2½}$—$z\,^6D^\circ_{2½}$

TABLE 2. *Wavelengths of* Mo II *in vacuum*—Continued

Wavelength computed	Intensity	Wave No.	Term combination	Wavelength computed	Intensity	Wave No.	Term combination
1976. 86	5	50585. 30	$a\ ^6D_{2\frac{1}{2}}$—$y\ ^4F^o_{1\frac{1}{2}}$	1938. 16	2	51595. 32	$a\ ^2G_{4\frac{1}{2}}$—$w\ ^4G^o_{5\frac{1}{2}}$
1975. 03	8	50632. 22	$a\ ^4G_{2\frac{1}{2}}$—$(3)^o_{3\frac{1}{2}}$	1937. 76	5	51606. 01	$a\ ^2D_{2\frac{1}{2}}$—$w\ ^2P^o_{1\frac{1}{2}}$
1973. 99	1	50658. 69	$a\ ^4F_{4\frac{1}{2}}$—$u\ ^2F^o_{3\frac{1}{2}}$	1937. 46	4	51614. 01	$a\ ^6D_{4\frac{1}{2}}$—$z\ ^2H^o_{5\frac{1}{2}}$
1973. 07	3	50682. 39	$a\ ^2D_{1\frac{1}{2}}$—$w\ ^2P^o_{0\frac{1}{2}}$	1936. 28	2	51645. 52	$a\ ^4D_{0\frac{1}{2}}$—$x\ ^4P^o_{1\frac{1}{2}}$
1972. 88	1	50687. 35	$a\ ^6D_{2\frac{1}{2}}$—$y\ ^4F^o_{3\frac{1}{2}}$	1934. 16	15	51702. 14	$a\ ^2D_{2\frac{1}{2}}$—$u\ ^2F^o_{2\frac{1}{2}}$
1972. 38	5	50700. 28	$a\ ^4P_{1\frac{1}{2}}$—$w\ ^4D^o_{1\frac{1}{2}}$	1933. 16	8	51728. 70	$a\ ^4D_{1\frac{1}{2}}$—$y\ ^2P^o_{1\frac{1}{2}}$
1971. 54	8	50721. 66	$a\ ^4F_{1\frac{1}{2}}$—$w\ ^4G^o_{2\frac{1}{2}}$ $b\ ^4D_{2\frac{1}{2}}$—$w\ ^4G^o_{3\frac{1}{2}}$	1931. 03	6	51785. 81	$a\ ^6D_{2\frac{1}{2}}$—$x\ ^4F^o_{3\frac{1}{2}}$
				1930. 49	2	51800. 25	$a\ ^6D_{4\frac{1}{2}}$—$y\ ^2F^o_{3\frac{1}{2}}$
1970. 74	4	50742. 33	$a\ ^6D_{4\frac{1}{2}}$—$x\ ^4F^o_{3\frac{1}{2}}$	1928. 66	4	51849. 36	$a\ ^4D_{0\frac{1}{2}}$—$y\ ^2P^o_{0\frac{1}{2}}$
1970. 17	8	50756. 99	$a\ ^4G_{3\frac{1}{2}}$—$x\ ^4G^o_{3\frac{1}{2}}$	1927. 69	25	51875. 65	$a\ ^4D_{1\frac{1}{2}}$—$x\ ^4P^o_{0\frac{1}{2}}$
1969. 79	20	50766. 71	$a\ ^4D_{3\frac{1}{2}}$—$x\ ^4P^o_{2\frac{1}{2}}$ $a\ ^6D_{0\frac{1}{2}}$—$x\ ^4D^o_{1\frac{1}{2}}$	1926. 79	18	51899. 81	$a\ ^4F_{2\frac{1}{2}}$—$w\ ^4G^o_{3\frac{1}{2}}$
				1924. 42	1	51963. 69	$a\ ^4G_{4\frac{1}{2}}$—$x\ ^2F^o_{3\frac{1}{2}}$
1969. 49	5	50774. 61	$a\ ^2D_{2\frac{1}{2}}$—$x\ ^2P^o_{1\frac{1}{2}}$	1922. 57	12	52013. 76	$a\ ^4P_{1\frac{1}{2}}$—$x\ ^4P^o_{2\frac{1}{2}}$
1966. 88	10	50841. 82	$a\ ^4D_{1\frac{1}{2}}$—$w\ ^4F^o_{2\frac{1}{2}}$	1922. 27	18	52021. 70	$a\ ^4P_{2\frac{1}{2}}$—$x\ ^4P^o_{2\frac{1}{2}}$
1965. 96	2	50865. 70	$a\ ^6D_{4\frac{1}{2}}$—$x\ ^4F^o_{4\frac{1}{2}}$				
1965. 37	2	50880. 95	$a\ ^6D_{2\frac{1}{2}}$—$y\ ^4H^o_{3\frac{1}{2}}$	1921. 33	2	52047. 18	$a\ ^2D_{2\frac{1}{2}}$—$u\ ^2F^o_{3\frac{1}{2}}$
1965. 09	4	50888. 20	$a\ ^4G_{2\frac{1}{2}}$—$x\ ^4G^o_{3\frac{1}{2}}$	1918. 56	2	52122. 44	$a\ ^4P_{1\frac{1}{2}}$—$w\ ^4F^o_{1\frac{1}{2}}$
				1916. 00	4	52192. 18	$a\ ^4G_{2\frac{1}{2}}$—$x\ ^2F^o_{3\frac{1}{2}}$
1964. 78	12	50896. 20	$b\ ^2H_{5\frac{1}{2}}$—$v\ ^2H^o_{5\frac{1}{2}}$ $a\ ^4F_{3\frac{1}{2}}$—$t\ ^2F^o_{3\frac{1}{2}}$	1913. 74	18	52253. 61	$a\ ^4D_{0\frac{1}{2}}$—$x\ ^4P^o_{0\frac{1}{2}}$
1964. 00	3	50916. 37	$a\ ^4F_{4\frac{1}{2}}$—$t\ ^2F^o_{3\frac{1}{2}}$	1911. 86	8	52305. 19	$a\ ^2D_{2\frac{1}{2}}$—$t\ ^2F^o_{3\frac{1}{2}}$
1963. 69	8	50924. 50	$a\ ^4F_{2\frac{1}{2}}$—$w\ ^4G^o_{2\frac{1}{2}}$ $a\ ^4H_{5\frac{1}{2}}$—$w\ ^4G^o_{5\frac{1}{2}}$	1911. 43	7	52316. 76	$a\ ^4P_{1\frac{1}{2}}$—$w\ ^4F^o_{2\frac{1}{2}}$
				1911. 09	12	52326. 12	$a\ ^4P_{2\frac{1}{2}}$—$w\ ^4F^o_{2\frac{1}{2}}$ $a\ ^4G_{3\frac{1}{2}}$—$x\ ^2F^o_{2\frac{1}{2}}$
1962. 92	2	50944. 49	$a\ ^4G_{5\frac{1}{2}}$—$x\ ^4G^o_{4\frac{1}{2}}$				
1962. 18	15	50963. 72	$a\ ^4G_{4\frac{1}{2}}$—$x\ ^4G^o_{4\frac{1}{2}}$	1910. 87	5	52332. 57	$a\ ^4G_{4\frac{1}{2}}$—$x\ ^2G^o_{3\frac{1}{2}}$
1961. 99	6	50968. 67	$a\ ^4P_{1\frac{1}{2}}$—$w\ ^4D^o_{2\frac{1}{2}}$ $a\ ^6D_{1\frac{1}{2}}$—$y\ ^4F^o_{1\frac{1}{2}}$	1909. 83	10	52360. 62	$a\ ^6D_{1\frac{1}{2}}$—$z\ ^2F^o_{3\frac{1}{2}}$ $a\ ^6D_{3\frac{1}{2}}$—$y\ ^2F^o_{3\frac{1}{2}}$
1961. 70	10	50976. 12	$a\ ^6D_{2\frac{1}{2}}$—$y\ ^4F^o_{2\frac{1}{2}}$ $a\ ^6D_{3\frac{1}{2}}$—$z\ ^2F^o_{3\frac{1}{2}}$ $a\ ^4P_{2\frac{1}{2}}$—$w\ ^4D^o_{2\frac{1}{2}}$	1909. 40	1	52372. 44	$a\ ^6D_{3\frac{1}{2}}$—$y\ ^2F^o_{2\frac{1}{2}}$
				1909. 04	4	52382. 36	$a\ ^4G_{3\frac{1}{2}}$—$x\ ^4P^o_{2\frac{1}{2}}$
				1907. 13	3	52434. 94	$a\ ^6D_{2\frac{1}{2}}$—$y\ ^2G^o_{3\frac{1}{2}}$
1961. 42	10	50983. 42	$b\ ^4D_{3\frac{1}{2}}$—$v\ ^4D^o_{3\frac{1}{2}}$	1905. 18	4	52488. 48	$a\ ^4P_{2\frac{1}{2}}$—$w\ ^4F^o_{3\frac{1}{2}}$
1958. 45	10	51060. 90	$a\ ^4G_{3\frac{1}{2}}$—$x\ ^4G^o_{4\frac{1}{2}}$	1905. 02	12	52492. 80	$b\ ^4F_{4\frac{1}{2}}$—$u\ ^2G^o_{3\frac{1}{2}}$
1957. 17	4	51094. 30	$b\ ^4D_{2\frac{1}{2}}$—$v\ ^4D^o_{2\frac{1}{2}}$				
				1903. 38	1	52538. 01	$b\ ^4F_{3\frac{1}{2}}$—$u\ ^2G^o_{3\frac{1}{2}}$
1957. 04	30	51097. 56	$a\ ^4D_{2\frac{1}{2}}$—$x\ ^4P^o_{1\frac{1}{2}}$	1902. 89	10	52551. 54	$a\ ^4P_{0\frac{1}{2}}$—$x\ ^4P^o_{1\frac{1}{2}}$
1956. 73	4	51105. 69	$a\ ^4D_{3\frac{1}{2}}$—$x\ ^2G^o_{4\frac{1}{2}}$	1902. 55	2	52561. 05	$a\ ^4G_{2\frac{1}{2}}$—$x\ ^2G^o_{3\frac{1}{2}}$
1954. 07	6	51175. 30	$a\ ^2F_{3\frac{1}{2}}$—$w\ ^4G^o_{4\frac{1}{2}}$	1900. 94	15	52605. 50	$a\ ^4G_{5\frac{1}{2}}$—$x\ ^2G^o_{3\frac{1}{2}}$
1953. 66	6	51186. 01	$a\ ^2D_{1\frac{1}{2}}$—$w\ ^2P^o_{1\frac{1}{2}}$	1898. 06	10	52685. 36	$a\ ^4G_{3\frac{1}{2}}$—$w\ ^4F^o_{2\frac{1}{2}}$
1953. 12	5	51200. 19	$a\ ^4G_{2\frac{1}{2}}$—$w\ ^4D^o_{1\frac{1}{2}}$				
				1896. 94	1	52716. 60	$a\ ^6D_{1\frac{1}{2}}$—$z\ ^4S^o_{1\frac{1}{2}}$
1952. 62	7	51212. 73	$b\ ^4D_{2\frac{1}{2}}$—$v\ ^4D^o_{3\frac{1}{2}}$	1896. 74	5	52721. 91	$a\ ^4G_{3\frac{1}{2}}$—$x\ ^2G^o_{3\frac{1}{2}}$
1952. 39	10	51219. 22	$a\ ^6D_{0\frac{1}{2}}$—$y\ ^4F^o_{1\frac{1}{2}}$	1896. 41	10	52731. 25	$a\ ^4F_{3\frac{1}{2}}$—$w\ ^4G^o_{4\frac{1}{2}}$
1951. 87	2	51232. 92	$a\ ^4D_{3\frac{1}{2}}$—$w\ ^4F^o_{3\frac{1}{2}}$	1896. 00	1	52742. 50	$a\ ^4P_{1\frac{1}{2}}$—$x\ ^4P^o_{1\frac{1}{2}}$
1951. 49	7	51243. 02	$b\ ^4D_{3\frac{1}{2}}$—$w\ ^4G^o_{4\frac{1}{2}}$	1895. 94	8	52744. 18	$a\ ^4P_{1\frac{1}{2}}$—$x\ ^4P^o_{1\frac{1}{2}}$
1950. 55	15	51267. 54	$a\ ^4D_{1\frac{1}{2}}$—$x\ ^4P^o_{1\frac{1}{2}}$ $a\ ^6D_{3\frac{1}{2}}$—$x\ ^4F^o_{2\frac{1}{2}}$	1895. 72	10	52750. 44	$a\ ^4P_{2\frac{1}{2}}$—$x\ ^4P^o_{1\frac{1}{2}}$
				1895. 65	18	52752. 38	$a\ ^4G_{4\frac{1}{2}}$—$w\ ^4F^o_{3\frac{1}{2}}$ $a\ ^4F_{4\frac{1}{2}}$—$w\ ^4G^o_{4\frac{1}{2}}$ $a\ ^4P_{0\frac{1}{2}}$—$y\ ^2P_{0\frac{1}{2}}$
1950. 00	2	51282. 14	$a\ ^2D_{1\frac{1}{2}}$—$u\ ^2F^o_{2\frac{1}{2}}$				
1949. 44	35	51296. 75	$a\ ^4G_{5\frac{1}{2}}$—$x\ ^4G^o_{5\frac{1}{2}}$				
1949. 21	7	51302. 76	$a\ ^6D_{3\frac{1}{2}}$—$x\ ^4F^o_{3\frac{1}{2}}$	1892. 80	7	52831. 90	$a\ ^6D_{3\frac{1}{2}}$—$x\ ^4G^o_{3\frac{1}{2}}$
1948. 71	12	51315. 99	$a\ ^4G_{4\frac{1}{2}}$—$x\ ^4G^o_{5\frac{1}{2}}$	1892. 18	15	52849. 14	$a\ ^4G_{3\frac{1}{2}}$—$w\ ^4F^o_{3\frac{1}{2}}$
1948. 37	3	51325. 07	$a\ ^2F_{3\frac{1}{2}}$—$w\ ^4G^o_{3\frac{1}{2}}$	1891. 20	10	52876. 53	$a\ ^4G_{5\frac{1}{2}}$—$w\ ^4F^o_{4\frac{1}{2}}$
1947. 90	4	51337. 42	$a\ ^4G_{3\frac{1}{2}}$—$w\ ^4D^o_{2\frac{1}{2}}$				
1947. 10	5	51358. 46	$a\ ^6D_{1\frac{1}{2}}$—$y\ ^4F^o_{2\frac{1}{2}}$	1890. 51	3	52895. 77	$a\ ^4G_{4\frac{1}{2}}$—$w\ ^4F^o_{4\frac{1}{2}}$
1946. 41	1	51376. 72	$a\ ^4D_{3\frac{1}{2}}$—$w\ ^4F^o_{4\frac{1}{2}}$	1888. 70	8	52946. 34	$a\ ^4P_{1\frac{1}{2}}$—$y\ ^2P^o_{0\frac{1}{2}}$
1946. 06	20	51385. 78	$a\ ^4G_{3\frac{1}{2}}$—$w\ ^4D^o_{3\frac{1}{2}}$	1887. 96	3	52967. 30	$a\ ^6D_{0\frac{1}{2}}$—$z\ ^4S^o_{1\frac{1}{2}}$
1944. 54	4	51426. 09	$a\ ^6D_{3\frac{1}{2}}$—$x\ ^4F^o_{4\frac{1}{2}}$	1887. 04	5	52992. 94	$a\ ^4G_{3\frac{1}{2}}$—$w\ ^4F^o_{4\frac{1}{2}}$
				1886. 34	20	53012. 68	$a\ ^4P_{0\frac{1}{2}}$—$y\ ^2P^o_{1\frac{1}{2}}$
1943. 28	2	51459. 40	$a\ ^6D_{2\frac{1}{2}}$—$z\ ^2F^o_{3\frac{1}{2}}$				
1942. 83	8	51471. 40	$a\ ^4G_{2\frac{1}{2}}$—$w\ ^4D^o_{2\frac{1}{2}}$ $a\ ^4D_{1\frac{1}{2}}$—$y\ ^2P^o_{0\frac{1}{2}}$	1881. 13	3	53159. 63	$a\ ^4P_{0\frac{1}{2}}$—$x\ ^4P^o_{0\frac{1}{2}}$
				1879. 57	10	53203. 64	$a\ ^4P_{1\frac{1}{2}}$—$y\ ^2P^o_{1\frac{1}{2}}$
1942. 25	1	51486. 62	$a\ ^6D_{2\frac{1}{2}}$—$x\ ^4F^o_{1\frac{1}{2}}$	1879. 29	5	53211. 58	$a\ ^4P_{2\frac{1}{2}}$—$y\ ^2P^o_{1\frac{1}{2}}$
1941. 10	8	51517. 09	$a\ ^4G_{2\frac{1}{2}}$—$w\ ^4D^o_{3\frac{1}{2}}$	1876. 77	12	53283. 02	$a\ ^6D_{4\frac{1}{2}}$—$x\ ^4G^o_{3\frac{1}{2}}$
1939. 54	25	51558. 70	$a\ ^4D_{2\frac{1}{2}}$—$y\ ^2P^o_{1\frac{1}{2}}$	1874. 39	3	53350. 59	$a\ ^4P_{1\frac{1}{2}}$—$x\ ^4P^o_{0\frac{1}{2}}$

TABLE 2. *Wavelengths of* Mo II *in vacuum*—Continued

Wavelength computed	Intensity	Wave No.	Term combination	Wavelength computed	Intensity	Wave No.	Term combination
1872. 30	3	53410. 24	$a\ ^6D_{1½}$—$y\ ^2D^\circ_{1½}$	1766. 43	2	56611. 44	$a\ ^6D_{1½}$—$y\ ^2P^\circ_{0½}$
1866. 79	1	53567. 94	$b\ ^4F_{3½}$—$u\ ^2G^\circ_{4½}$	1765. 51	1	56640. 85	$a\ ^6D_{4½}$—$w\ ^2F^\circ_{3½}$
1865. 53	10	53604. 12	$a\ ^2I_{5½}$—$w\ ^4G^\circ_{4½}$	1764. 97	8	56658. 30	$a\ ^6D_{0½}$—$x\ ^4P^\circ_{1½}$
1862. 26	1	53698. 17	$a\ ^6D_{1½}$—$x\ ^4G^\circ_{2½}$	1763. 47	5	56706. 27	$a\ ^4D_{2½}$—$w\ ^2P^\circ_{1½}$
1858. 66	18	53802. 28	$a\ ^2H_{4½}$—$u\ ^2G^\circ_{3½}$	1762. 10	3	56750. 61	$a\ ^4D_{0½}$—$w\ ^2P^\circ_{0½}$
1857. 66	20	53831. 06	$a\ ^4F_{4½}$—$w\ ^4G^\circ_{5½}$	1759. 33	15	56839. 75	$a\ ^4G_{2½}$—$w\ ^2D^\circ_{1½}$
1850. 80	3	54030. 74	$a\ ^4P_{1½}$—$w\ ^2F^\circ_{2½}$	1758. 64	15	56862. 14	$a\ ^6D_{0½}$—$y\ ^2P^\circ_{0½}$
1843. 29	4	54250. 70	$a\ ^6D_{2½}$—$w\ ^4D^\circ_{2½}$	1758. 43	12	56868. 74	$a\ ^6D_{1½}$—$y\ ^2P^\circ_{1½}$
1831. 83	7	54590. 29	$a\ ^6D_{0½}$—$w\ ^4D^\circ_{0½}$	1753. 90	15	57015. 69	$a\ ^6D_{1½}$—$x\ ^4P^\circ_{0½}$
1830. 96	6	54616. 08	$a\ ^6D_{0½}$—$w\ ^4D^\circ_{1½}$	1750. 72	4	57119. 44	$a\ ^6D_{0½}$—$y\ ^2P^\circ_{1½}$
1829. 04	5	54673. 55	$a\ ^4G_{3½}$—$x\ ^2H^\circ_{4½}$ $a\ ^4G_{4½}$—$w\ ^2F^\circ_{3½}$	1750. 14	10	57138. 40	$a\ ^4P_{2½}$—$w\ ^2D^\circ_{2½}$
				1747. 78	1	57215. 32	$b\ ^4D_{3½}$—$u\ ^2G^\circ_{4½}$
1828. 71	4	54683. 44	$a\ ^2I_{5½}$—$w\ ^4G^\circ_{5½}$	1746. 22	22	57266. 39	$a\ ^6D_{0½}$—$x\ ^4P^\circ_{0½}$
1825. 08	5	54792. 20	$a\ ^4D_{1½}$—$x\ ^2P^\circ_{0½}$	1739. 16	6	57499. 06	$a\ ^4G_{3½}$—$w\ ^2D^\circ_{3½}$
1823. 75	7	54832. 21	$a\ ^2H_{4½}$—$u\ ^2G^\circ_{4½}$	1738. 53	1	57519. 81	$a\ ^4P_{1½}$—$x\ ^2P^\circ_{1½}$
1822. 66	4	54864. 90	$a\ ^4D_{1½}$—$w\ ^2D^\circ_{1½}$				
				1735. 20	4	57630. 37	$a\ ^4G_{2½}$—$w\ ^2D^\circ_{2½}$
1821. 42	8	54902. 30	$a\ ^4G_{2½}$—$w\ ^2F^\circ_{3½}$	1734. 41	3	57656. 63	$a\ ^4P_{0½}$—$w\ ^2P^\circ_{0½}$
1820. 50	12	54929. 90	$a\ ^2H_{5½}$—$u\ ^2G^\circ_{4½}$	1733. 90	1	57673. 62	$a\ ^4F_{3½}$—$u\ ^2G^\circ_{3½}$
1813. 56	2	55140. 09	$a\ ^4D_{2½}$—$v\ ^2F^\circ_{2½}$	1731. 54	50	57752. 07	$a\ ^4D_{1½}$—$t\ ^2F^\circ_{2½}$
1812. 57	20	55170. 16	$a\ ^4D_{0½}$—$x\ ^2P^\circ_{0½}$	1730. 02	2	57802. 77	$a\ ^4D_{3½}$—$t\ ^2F^\circ_{3½}$
1811. 07	6	55215. 85	$a\ ^6S_{2½}$—$z\ ^4D^\circ_{2½}$				
				1727. 35	5	57892. 05	$a\ ^6S_{2½}$—$z\ ^4H^\circ_{3½}$
1810. 82	10	55223. 60	$a\ ^4G_{5½}$—$x\ ^2H^\circ_{5½}$	1724. 75	3	57979. 39	$a\ ^4D_{3½}$—$t\ ^2F^\circ_{2½}$
1802. 27	5	55485. 52	$a\ ^4D_{2½}$—$w\ ^2D^\circ_{2½}$	1713. 76	1	58351. 21	$a\ ^4P_{1½}$—$w\ ^2P^\circ_{1½}$
1801. 73	4	55502. 31	$a\ ^4P_{2½}$—$w\ ^2G^\circ_{3½}$	1693. 39	3	59053. 32	$a\ ^6S_{2½}$—$z\ ^4G^\circ_{2½}$
1795. 12	6	55706. 57	$a\ ^6S_{2½}$—$z\ ^4D^\circ_{3½}$	1681. 29	2	59478. 34	$a\ ^6S_{2½}$—$z\ ^4G^\circ_{3½}$
1789. 71	6	55874. 87	$a\ ^4D_{2½}$—$x\ ^2P^\circ_{1½}$				
				1674. 29	1	59726. 92	$a\ ^4G_{2½}$—$t\ ^2F^\circ_{2½}$
1789. 09	15	55994. 28	$a\ ^4G_{2½}$—$w\ ^2G^\circ_{3½}$	1668. 63	3	59929. 29	$a\ ^6D_{3½}$—$w\ ^2D^\circ_{2½}$
1784. 94	4	56024. 38	$a\ ^6D_{2½}$—$x\ ^4P^\circ_{1½}$	1610. 97	12	62074. 26	$a\ ^6D_{2½}$—$u\ ^2F^\circ_{3½}$
1783. 29	2	56076. 18	$a\ ^4P_{0½}$—$x\ ^2P^\circ_{0½}$	1605. 99	5	62266. 77	$a\ ^6D_{0½}$—$w\ ^2P^\circ_{1½}$
1782. 99	18	56085. 50	$a\ ^4D_{3½}$—$v\ ^2F^\circ_{3½}$	1603. 24	4	62373. 67	$a\ ^6D_{4½}$—$w\ ^4G^\circ_{3½}$
1780. 98	25	56148. 88	$a\ ^4P_{0½}$—$w\ ^2D^\circ_{1½}$				
				1591. 73	2	62824. 80	$a\ ^6D_{1½}$—$w\ ^4G^\circ_{2½}$
1773. 91	2	56372. 65	$a\ ^4D_{1½}$—$w\ ^2P^\circ_{0½}$	1586. 99	5	63012. 24	$a\ ^6S_{2½}$—$(2)^\circ_{3½}$
1772. 81	3	56407. 60	$a\ ^6D_{1½}$—$x\ ^4P^\circ_{1½}$	1552. 90	3	64395. 44	$a\ ^6S_{2½}$—$z\ ^2F^\circ_{2½}$
1772. 59	3	56414. 70	$b\ ^4D_{2½}$—$u\ ^2G^\circ_{3½}$				
1772. 33	3	56422. 83	$a\ ^4D_{0½}$—$x\ ^2P^\circ_{1½}$				
1770. 37	8	56485. 52	$a\ ^6D_{2½}$—$y\ ^2P^\circ_{1½}$				

TABLE 3. *Zeeman effect of* Mo II

Wavelengths	Magnetic patterns	Wavelengths	Magnetic patterns	Wavelengths	Magnetic patterns
5490. 78	(**0.091,** 0.269) **0.787,** 0.964, 1.138	4403. 29	(0.28) 1.02†	4274. 44	(0.000) 1.108
5448. 80	(0.000*W*) 1.139*A*	4388. 26	(0.00) 1.06†	4250. 69	(**0.176,** 0.546, 0.905) **0.462,** 0.825, 1.198, 1.562, 1.928
5181. 54	(0.000*W*) 1.230*A*	4377. 75	(1.374) 1.422		
4853. 63	(0.094) 0.837	4363. 64	(**0.284,** 0.837) **0.420,** 0.992, 1.547, 2.093	4246. 58	(0.00) 1.61†
4742. 61	(0.000) 1.200	4361. 91	(0.000) 1.111	4244. 72	(0.000) 0.861
				4227. 07	(0.883) 0.941, **2.689**
4667. 40	(0.364) **1.459,** 2.186	4358. 27	(0.000*w*) 0.856*A*	4209. 65	(0.269, 0.740, **1.229**) 0.535, 1.021, **1.512,** 2.004, 2.487
4637. 95	(0.075) 1.597	4356. 10	(0.00) 1.50†		
4604. 20	(0.000) 1.07†	4328. 01	(**0.136,** 0.403) 0.955, 1.207, **1.465**	4192. 27	(**0.073,** 0.222, 0.359) 0.947, 1.089, 1.224, **1.367**
4565. 69	(0.00) 0.97†			4191. 03	(?) 0.84†
4543. 40	(0.00) 1.10†	4315. 23	(**0.217,** 0.682, 1.137) **0.227,** 0.709, 1.144	4177. 94	(**0.550,** 1.595) −**0.319,** +0.737
		4311. 65	(**0.388,** 1.145) −**0.080,** 0.689, 1.430, 2.180	4171. 79	(0.000*w*) 0.960*w*
4553. 50	(0.00) 1.41†			4161. 25	(1.035, **1.731**) 0.000, 0.701, **1.400,** 2.113, 2.800
4519. 60	(0.00*w*) 1.62*B*†	4311. 64	(0.000) 1.038		
4452. 02	(0.00) 1.06†	4279. 02	(0.300, **0.943**) 0.877, **1.514,** 2.140	4150. 82	(0.000) 1.097
4433. 49	(0.804) **0.396,** 1.993			4146. 87	(0.239) **0.942,** 1.421
4407. 38	(0.21) 1.01†				

TABLE 3. *Zeeman effect of* Mo II—Continued

Wavelengths	Magnetic patterns
4141. 45	(0.757, **1.066**) 0.607, 0.916, 1.216, **1.507,** 1.810, 2.113, 2.416
4139. 78	(**0.105,** 0.333) 0.904, 1.119, **1.322**
4125. 63	(0.000) 1.170
4122. 35	(**0.054,** 0.174, 0.285) **0.780,** 0.902, 1.020, 1.136, 1.249
4119. 63	(**0.165,** 0.502, 0.828) **0.559,** 0.893, 1.222, 1.557, 1.892
4118. 53	(0.000*w*) 0.640*w*
4115. 76	(0.00) 1.21†
4100. 30	(1.702) 0.645, **1.752,** 2.854
4094. 96	(**0.219,** 0.661) 1.515, 1.965, **2.400**
4081. 07	(0.711, **1.147**) 0.583, 1.036, **1.488,** 1.945, 2.402
4077. 68	(0.333) **0.998,** 1.657
4058. 61	(?) 0.81†
4038. 81	(0.00) 1.10†
4029. 96	(0.283, **0.388**) 0.885, 0.981, 1.095, **1.201,** 1.313, 1.421, 1.530
4023. 54	(**0.138,** 0.400) 0.837, 1.130, 1.389, 1.670, **1.945**
4013. 20	(**0.072,** 0.198, 0.344) **0.574,** 0.716, 0.862, 1.007
4010. 31	(0.00) 1.32†
4005. 12	(0.254, 0.410, **0.564**) 0.996, 1.152, 1.328, **1.463,** 1.623, 1.779, 1.936
4002. 96	(?) 1.12*B*†
3999. 84	(**0.129,** 0.410, 0.653) **0.263,** 0.527, 0.786
3998. 56	(0.220) **1.012,** 1.442
3990. 79	(0.000) 1.229*B*
3986. 16	(**0.269,** 0.816) **0.459,** 0.995, 1.528, 2.066
3972. 95	(**0.234,** 0.468, 0.703) **0.291,** 0.525, 0.759
3968. 67	(**0.143,** 0.437) 1.433, 1.715, 1.982, **2.270**
3967. 80	(0.23) 0.40†
3961. 52	(**0.104,** 0.318, 0.532) **0.848,** 1.070, 1.284, 1.496, 1.708, 1.917
3952. 98	(0.975) **0.233,** 2.187
3942. 73	(**0.368,** 1.123) — **0.075,** 0.680, 1.425, 2.182
3941. 48	(**0.061,** 0.166, 0.287, 0.393) 1.110, 1.226, 1.449, 1.558, 1.665, 1.783, **1.909**
3930. 83	(**0.104,** 0.322, 0.533, 0.749) 1.260, 1.467, 1.675, 1.887, **2.103**
3929. 60	(0.383) **0.518,** 1.273
3925. 83	(0.519, **0.853**) 0.755, 1.099, **1.440,** 1.775, 2.113
3921. 53	(**0.111,** 0.345, 0.582) **0.371,** 0.610, 0.848
3919. 46	(0.000*w*) 1.360*B*
3917. 54	(0.37) 0.80†
3915. 43	(0.311, **0.911**) 0.892, **1.497,** 2.108
3908. 61	(1.547) 1.606
3906. 54	(0.000*w*) 0.943*w*
3904. 96	(0.000) 1.085
3882. 31	(0.67) 1.24*W*†
3871. 90	(0.873) 0.932, **2.674**
3871. 45	(0.000*w*) 1.020*wA*
3866. 88	(**0.043,** 0.129, 0.219) **0.848,** 0.931, 1.017
3861. 29	(**0.072,** 0.213, 0.364, 0.499, 0.647, 0.785) 1.131, 1.268, 1.419, 1.556, 1.705, 1.844, **1.987**
3858. 84	(0.00*w*) 1.27*w*†
3857. 20	(**0.203,** 0.614) 0.986, 1,393, 1.807, **2.211**
3848. 30	(**0.052,** 0.143, 0.249, 0.337) **0.993,** 1.088, 1.192, 1.285
3842. 59	(0.260) 0.938, **1.442**
3837. 20	(0.102, 0.307, **0.513**) 0.578, 0.761, **0.965,** 1.167, 1.374
3835. 33	(**0.069,** 0.186, 0.311, 0.431) 1.060, 1.209, 1.359, **1.494**
3833. 49	(0.000*W*) 1.185*wB*
3832. 36	(0.000*W*) 1.030*W*
3815. 27	(**0.216,** 0.642) 1.133, 1.498, 1.925, **2.355**
3813. 91	(**0.060,** 0.197, 0.344, 0.462) 1.280, 1.413, 1.561, **1.691**
3812. 21	(**0.055,** 0.181, 0.302, 0.410) 0.857, 0.985, 1.111, 1.223, 1.341, **1.463**
3811. 79	(**0.106,** 0.330, 0.552) **0.594,** 0.815, 1.029, 1.241
3786. 37	(0.491) 1.155
3783. 17	(0.091) 1.035*w*
3782. 06	(0.000*W*) 1.134*WB*
3767. 77	(**0.067,** 0.184, 0.309, 0.422) 0.965, 1.082, 1.206, 1.337, **1.462**
3762. 11	(0.000) 1.208
3755. 50	(0.113, 0.325, **0.542**) 0.728, 0.938, **1.156,** 1.368, 1.584
3754. 67	(**0.091,** 0.277, 0.465, 0.643, 0.827) 1.333, 1.514, 1.695, **1.880**
3753. 48	(0.180*wB*) 0.991*WD*
3748. 12	(**0.072,** 0.200, 0.344, 0.473) **0.809,** 0.943, 1.077, 1.216, 1.352
3746. 44	(**0.075,** 0.227, 0.380) **1.037,** 1.191, 1.341, 1.501, 1.655, 1.809
3744. 42	(0.000) 0.972*w*
3744. 37	(0.000*w*) 1.018
3742. 34	(0.376, **1.162**) 0.046, **0.809,** 1.585
3741. 78	(0.568, **0.793**) 0.808, 1.030, **1.249,** 1.473, 1.697
3738. 84	(**0.094,** 0.294, 0.484) 0.786, 0.995, 1.190, 1.382, **1.576**
3736. 40	(0.000*w*) 0.998*wA*
3730. 54	(0.000*WD*) 1.347*WB*
3728. 50	(**0.052,** 0.150, 0.243) **0.933,** 1.024, 1.124, 1.215, 1.312, 1.405
3720. 20	(0.069, 0.291, 0.522, **0.759**) 0.971, 1.177, **1.393,** 1.603, 1.826, 2.054
3719. 78	(0.174, 0.321, **0.460**) 0.935, 1.062, 1.192, **1.322,** 1.450, 1.581, 1.700
3719. 05	(0.000*w*) 1.152*wB*
3716. 92	(0.000) 1.050
3713. 92	(0.000) 1.080
3704. 15	(0.170, 0.274, **0.391**) 0.618, 0.730, 0.837, **0.950,** 1.058, 1.163, 1.278
3702. 55	(0.180) 0.235, **0.596**
3699. 84	(0.000*w*) 1.114*w*
3697. 02	(0.356, 0.613, **0.864**) 0.617, 0.875, 1.142, 1.381, 1.652, 1.888
3692. 65	(**0.074,** 0.217) **0.831,** 0.979, 1.121, 1.276
3690. 35	(0.000*w*) 0.898*wA*
3688. 31	(0.000) 1.257
3684. 18	(0.155*B*) 1.109*D*
3670. 67	(0.139) 0.366, **0.470,** 0.567
3658. 97	(0.104*B*) 0.957*WD*
3658. 29	(0.065) 1.178
3655. 79	(0.172*B*) 0.949*WD*
3652. 45	(0.000) 1.200*B*
3652. 32	(0.000*w*) 0.900*A*
3651. 10	(**0.106,** 0.302, 0.505) 0.749, 0.960, 1.159, 1.363, 1.567, **1.773**
3643. 47	(**0.297,** 0.904) 0.119, 0.716, 1.318, **1.914**
3639. 64	(0.000*w*) 1.164*w*
3637. 77	(**0.000,** 0.256) **0.793,** 1.044, 1.297, 1.554
3635. 14	(0.000) 1.305
3633. 31	(0.393, 0.533, 0.683, **0.834**) 0.393, 0.533, 0.683, 0.834, **0.984,** 1.134, 1.285, 1.435, 1.586
3627. 35	(0.000*WD*) 1.115*wB*
3625. 54	(**0.076,** 0.236, 0.387, 0.528, 0.669, 0.824) 1.433, 1.606, 1.773, **1.918**
3623. 68	(**0.186,** 0.507) **0.860,** 1.188, 1.538
3622. 84	(**0.260,** 0. 812) 0.217, 0.769, 1.318, **1.825**
3620. 18	(**0.169,** 0.510) 1.016, **1.365**
3618. 36	(**0.049,** 0.146, 0.229, 0.330, . . .) 1.357, 1.475, 1.545, **1.631**
3617. 56	(1.276) 1.276
3612. 12	(0.054) 1.128, **1.224**
3606. 90	(0.099) 0.765, **0.962**
3606. 64	(0.262*wB*) 1.052*WD*
3597. 68	(0.000) 0.979
3596. 75	(0.000*wD*) 1.175*wB*
3596. 35	(0.089) 1.028
3592. 61	(**0.118,** 0.305, 0.532, 0.738) 0.975, 1.200, 1.412, 1.622, **1.845**
3592. 27	(0.366, **0.457**) 0.766, 0.870, **0.982,** 1.085, 1.201, 1.300

TABLE 3. *Zeeman effect of* Mo II—Continued

Wavelengths	Magnetic patterns
3591. 64	(0.000) 0.922
3590. 13	(**0.150,** 0.444, 0.742) **0.159,** 0.450, 0.745, 1.048, 1.333
3589. 48	(0.000*WD*) 1.059, **1.198**
3585. 90	(**0.088,** 0.253, 0.412) 0.615, 0.782, 0.951, 1.115, 1.297, 1.458, **1.632**
3585. 67	(0.125) 1.082*w*
3582. 41	(. . . , 0.487) . . . , 1.318, **1.634**
3580. 54	(0.000) 1.014
3579. 06	(0.187, 0.306, **0.423**) 0.665, 0.781, 0.896, **1.019,** 1.129, 1.249, 1.363
3572. 56	(0.346, 0.561, 0.802, **1.024**) 0.192, 0.396, 0.623, 0.842, **1.070,** 1.308, 1.532, 1.751
3561. 38	(**0.120,** 0.355, 0.588, 0.814) 1.558, 1.794, 2.040, **2.267**
3559. 72	(0.670) **0.521,** 1.874
3556. 96	(0.137*B*) 0.836*WD*
3556. 32	(0.188*B*) 1.053*WD*
3553. 69	(0.228, **0.689**) 0.487, **0.948,** 1.407
3547. 94	(**0.052,** 0.142, 0.246, 0.353) **0.596,** 0.691, 0.801, 0.906, 0.998, 1.118, 1.210
3545. 98	(0.000*D*) 0.551*A*
3542. 39	(0.000) 1.219
3537. 12	(**0.085,** 0.276, 0.441, 0.610) 1.029, 1.197, 1.368, 1.540, **1.726**
3534. 70	(**0.125,** 0.363, 0.606) 0.650, 0.898, 1.136, 1.378, 1.612, **1.860**
3533. 00	(0.398, 0.669, **0.938**) 0.482, 0.744, 1.009, **1.285,** 1.552, 1.819, 2.089
3527. 88	(0.000) 1.093
3524. 70	(0.000) 1.183
3524. 50	(0.000) 1.145
3522. 06	(0.000*wD*) 1.409*B*
3520. 16	(0.060, 0.168, 0.275, **0.382**) 0.649, 0.776, 0.905, **1.025,** 1.131, 1.267, 1.367
3515. 68	(0.130) 0.327, **0.580**
3506. 70	(0.141, **0.406**) 0.286, **0.544,** 0.809
3502. 69	(0.000*WD*) 0.726*A*
3501. 94	(0.000*WD*) 0.758*A*
3499. 97	(**0.078,** 0.236, 0.399) 0.781, 0.934, 1.097, 1.258, **1.423**
3499. 08	(0.088) 1.148, **1.311**
3488. 15	(0.156, **0.483**) 0.729, **1.055,** 1.378
3485. 72	(0.000*W*, *D*) 0.844*A*
3484. 56	(**0.049,** 0.137, 0.236, 0.341, 0.447) 1.363, 1.459, 1.563, **1.645**
3482. 76	(**0.121,** 0.347) 1.039*w*
3463. 03	(**0.183,** 0.543) 0.875, 1.229, **1.595**
3462. 07	(**0.111,** 0.333, 0.543) . . . ?
3452. 82	(0.000*w*) 1.146*B*
3450. 59	(**0.082,** 0.265, 0.454) 0.582, 0.776, 0.955, 1.131, 1.313, **1.486**
3448. 53	(**0.072,** 0.235, 0.381) . . . ?
3446. 09	(0.205, 0.312) 1.546*w*
3435. 38	(0.283*wD*) 0.934*wA*
3432. 23	(0.182, 0.284, 0.324, 0.429, **0.534**) 0.543, 0.641, 0.731, 0.837, 0.926, **1.012,** 1.116, 1.219, 1.315, 1.416, 1.502
3428. 88	(**0.055,** 0.169) 0.578, 0.704, 0.821, 0.928, **1.037**
3427. 07	(**0.108,** 0.328) 0.879, 1.092, **1.333**
3422. 76	(**0.094,** 0.268, 0.451, 0.628) **0.320,** 0.497, 0.690, 0.872, 1.040, 1.223, 1.401, 1.565
3414. 43	(**0.147,** 0.439, 0.748) **0.147,** 0.439, 0.748, 1.033
3412. 96	(0.280, **0.463**) 0.712, 0.898, **1.070,** 1.266, 1.443
3412. 37	(**0.066,** 0.221, 0.385) 1.466, 1.612, 1.798, 1.970, **2.144**
3410. 62	(0.000*WD*) 0.961*A*
3408. 67	(**0.106,** 0.317, 0.520) **0.542,** 0.747, 0.955, . . .
3407. 63	(0.000*w*) 0.973
3407. 20	(0.000*WD*) 0.914*A*
3402. 81	(0.000) 1.215*B*
3400. 15	(0.000) 0.664, **0.821**
3395. 75	(0.000*W*) 1.186
3395. 36	(0.185, **0.314**) 0.551, 0.677, **0.811,** 0.923, 1.043
3394. 81	(**0.144,** 0.426, 0.679) **0.185,** 0.463, 0.741, 0.987
3391. 84	(0.000*WD*) 0.581*A*
3386. 98	(**0.194,** 0.560) . . . ?
3383. 98	(**0.086,** 0.267, 0.444) 0.985, 1.161, 1.337, **1.517**
3380. 22	(0.000*w*) 1.342*B*
3379. 75	(0.558) 0.660, **1.777**
3376. 71	(0.444, 0.646, 0.836, **1.023**) 0.225, 0.408, 0.592, 0.780, 0.957, **1.142,** 1.334, 1.524, 1.711, 1.883, 2.077
3374. 84	(0.268) 0.951, **1.491**
3373. 10	(**0.181,** 0.531, 0.895, 1.246) −**0.181,** +0.181, 0.531, 0.895, 1.246
3371. 69	(0.000) 1.127
3370. 54	(0.000*w*) 0.913*A*
3369. 93	(0.981, 1.518, **2.165**)−0.109, 0.494, **1.138,** 1.768, 2.327
3367. 96	(0.000) 0.938
3366. 93	(0.752) 0.959, **2.453**
3363. 01	(**0.085,** 0.257, 0.433, 0.619, 0.803) **0.306,** 0.495, 0.667, 0.849, 1.020, 1.186, 1.359
3360. 28	(0.000*w*) 0.814*wA*
3357. 07	(**0.086,** 0.262, 0.433) . . .?
3352. 83	(0.432, **0.742**) 0.424, 0.736, **1.035,** 1.340, 1.642
3348. 92	(**0.086,** 0.215) **0.827,** 0.979, 1.123, 1.269
3347. 25	(0.000) 0.000
3346. 39	(0.000) 1.438
3346. 12	(0.000) 0.838
3335. 50	(0.212) 0.879
3335. 11	(0.000*wD*) 0.914*A*
3332. 52	(0.173*B*) 1.106*D*
3331. 40	(0.239) 0.774
3329. 21	(0.000) 1.182
3328. 56	(0.372) 0.372
3325. 22	(**0.226,** 0.694, 1.159) 0.000, 0.436, 0.908, 1.383, 1.819 **2.282**
3322. 13	(0.663) 1.290
3321. 20	(0.245) **0.255,** 0.433
3320. 90	(0.235) 1.391
3309. 46	(**0.081,** 0.269, 0.466, 0.670) **0.226,** 0.414, 0.555, 0.787
3302. 69	(0.626, **0.809**) 0.450, 0.632, 0.822, 0.991, **1.183,** 1.360, 1.544, 1.722
3300. 57	(**0.081,** 0.236, 0.402, 0.566, 0.722) **0.214,** 0.375, 0.533, 0.690, 0.840
3299. 59	(0.781) 0.552, 0.857, **1.162,** 1.485, 1.806
3297. 68	(0.569) 0.628, **1.767**
3296. 57	(0.440, **0.761**) 0.845, 1.134, **1.414,** 1.689, 2.006, 2.299
3296. 24	(0.000) 0.932
3295. 76	(**0.078,** 0.209, 0.339) **0.818,** 0.982, 1.140 . . .
3292. 96	(**0.000,** 0.153, 0.311) **0.791,** 0.933, 1.064, 1.168, 1.320
3292. 31	(0.099) 1.388
3290. 70	(0.457, **0.763**) 0.592, 0.908, **1.207,** 1.514, 1.806
3287. 20	(1.014) 1.768
3284. 60	(**0.132,** 0.383, 0.639) 0.352, 0.613, 0.881, 1.133, 1.385, **1.643**
3282. 89	(0.315*b*) 1.017*wD*
3278. 86	(0.317, 0.519, **0.755**) 0.409, 0.593, 0.827, **1.034,** 1.248, 1.460, 1.634
3278. 05	(0.142, **0.495**) 0.544, **0.850,** 1.180
3276. 32	(0.253, **0.781**) 0.924, **1.437,** 1.963
3273. 57	(0.370*B*) 1.096*wD*
3272. 37	(0.348, **1.023**) **0.859,** 1.528
3271. 66	(0.102, **0.265**) 1.106, 1.269, 1.457, **1.635**
3268. 97	(**0.080,** 0.225, 0,366, 0.524, 0.680) 0.924, 1.061, 1.221, 1.377, 1.526, 1.672, 1.830, **1.992**
3267. 62	(**0.087,** 0.240, 0.393) 1.185, 1.323, 1.484, 1.653, **1.834**
3262. 16	(0.397, 0.657, 0.891, **1.168**) 0.114, 0.385, 0.635, 0.895, **1.148,** 1.406, 1.669, 1.929, 2.213
3258. 68	(**0.195,** 0.563) **0.871,** 1.256, 1.623, 2.004
3257. 37	(**0.055,** 0.169, 0.287, 0.387,) **0.615**, 0.729, 0.856, 0.971
3255. 24	(**0.072,** 0.252, 0.452, 0.639, 0.824) **0.172,** 0.374, 0.548, 0.731, 0.915, 1.092, 1.266, 1.453, 1.631

TABLE 3. *Zeeman effect of* Mo II—Continued

Wavelengths	Magnetic patterns
3254. 68	(1.165) 1.392
3253. 73	(0.284*B*) 1.245*wD*
3252. 34	(0.198*B*) 1.291*wD*
3250. 74	(0.090, **0.286**) **0.725,** 0.922, 1.116, 1.289
3243. 18	(**0.115,** 0.364) 0.811, 1.052, 1.326, **1.583**
3240. 72	(0.206, **0.632**) 1.180, **1.615,** 2.032
3238. 40	(**0.181,** 0.536) 0.819, 1.236, 1.607, 1.950, **2.301**
3237. 84	(0.000*WB*) 1.085*wD*
3235. 38	(0.000) 1.718
3235. 02	(0.000) 1.255
3230. 90	(**0.069,** 0.188) 0.843, 0.979, **1.114**
3229. 68	(0.000*D*) 1.255*B*
3226. 56	(0.000*w*) 1.156*B*
3225. 75	(0.000*wD*) 1.419*B*
3224. 56	(**0.284,** 0.832, 1.369) 0.493, 1.024, 1.563, 2.132, **2.677**
3222. 91	(0.213, 0.369, **0.524**) 0.573, 0.717, 0.860, **0.993,** 1.148, 1.279, 1.413
3219. 41	(0.000) 1.448
3218. 35	(0.431, **0.701**) 0.479, 0.753, **1.024,** 1.308, 1.584
3216. 06	(0.112) 0.981
3214. 39	(**0.138,** 0.413, 0.693, 0.967) 0.587, 0.866, 1.148, 1.423, 1.692, 1.972, **2.254**
3213. 13	(**0.278,** 0.845, 1.387)−**0.400,** +0.162, 0.723, 1.291, 1.852, 2.420
3211. 97	(0.000*WD*) 1.341*wB*
3210. 96	(0.177) 1.130
3209. 72	(0.341, **0.463**) 0.681, 0.805, 0.928, **1.060,** 1.199, 1.341, 1.458
3207. 19	(0. 00*d*?) 1.063
3206. 82	(0.339, **0.536**) 0. 579, **0.794,** 0.996, 1.218
3204. 93	(0.614, 1.039, 1.433, **1.832**) . . ., **1.108,** 1.510, 1.887, 2.297, 2.708
3201. 50	(0.538) 1.298, **2.357**
3200. 30	(**0.127,** 0.391, 0.658, 0.923) −**0.027,** +0.222, 0.486, 0.740, 1.002, 1.268
3199. 24	(0.000 *D*) 1.080 *B*
3198. 41	(**0.069,** 0.206, 0.340, 0.486, 0.634, 0.774) **0.344,** 0.474, 0.621, 0.769, 0.898, 1.036, 1.176, 1.318, 1.443
3195. 86	(0.527, **0.860**) 0.500, 0.856, **1.194,** 1.543
3195. 23	(0.196) 1.322, **1.709**
3193. 11	(0.000 *w*) 1.281 *w*
3192. 10	(0.447) 2.330
3189. 36	(0.488) **0.550,** 1.515
3188. 85	(0.000 *w*) 1.545 *w*
3187. 59	(**0.088,** 0.231, 0.387) **0.833,** 0.978, 1.149, 1.300, 1.444, 1.592
3186. 39	(0.336) 0.362, **1.019**
3185. 56	(**0.077,** 0.220, 0.347) 0.758, 0.886, 1.003, 1.125, 1.236, **1.355**
3183. 41	(**0.146,** 0.427, 0.713, 0.985) 0.846, 1.122, 1.401, 1.705, **1.972**
3181. 17	(**0.516,** 1.556) −**0.868,** +0.159, 1.192
3178. 00	(**0.085,** 0.248, 0.415, 0.588, 0.763) 0.356, 0.531, 0.705, 0.867, 1.043, 1.215, 1.387, 1.547, 1.727, **1.900**
3176. 33	(0.230 *B*) 1.059 *WD*
3175. 05	(0.329 *B*) 0.745 *WD*
3174. 23	(0.206) 0.733, **0.887,** 1.010
3173. 76	(0.301 *B*) 1.064 *WD*
3168. 73	(0.273) 0.408, **1.126**
3167. 73	(0.291, **0.482**) 0.618, 0.805, **1.000,** 1.207, 1.397
3167. 01	(0.000) 1.008
3163. 89	(0.000) 1.093
3161. 12	(0.000 *w*) 1.558 *w*
3160. 11	(0.000) 1.613
3159. 34	(**0.247,** 0.704, 1.171) 1.370, 1.872, **2.367**
3157. 33	(0.000) 1.169
3156. 85	(0.000) 1.265
3155. 66	(**0.123,** 0.390, 0.667) **0.638,** 0.917, 1.172, 1.434, 1.717, 1.971
3155. 01	(**0.183,** 0.536) 1.259, 1.557, 1.931, **2.278**
3152. 82	(0.105 *B*) 0.971 *w*
3151. 64	(**0.225,** 0.656) **0.613,** 1.054, 1.480, 1.912
3150. 35	(**0.213,** 0.658, 1.066, 1.486) . . . ?
3148. 30	(0.000 *w*) 1.059 *w*
3145. 74	(0.074) **0.449,** 0.603
3144. 62	(**0.083,** 0.247, 0.424, 0.588) 0.560, 0.705, 0.866, 1.036, 1.206, 1.381, **1.562**
3143. 31	(**0.122,** 0.350, 0.605, 0.816) **0.301,** 0.555, 0.786, 1.018
3143. 06	(0.000 *w*) 0.787 *A*
3141. 73	(0.000 *w*) 1.398 *B*
3141. 40	(0.313 *B*) 1.110 *D*
3139. 40	(0.000 *WD*) 0.823 *A*
3138. 73	(0.354 *B*) 0.738 *D*
3138. 48	(0.317, 0.537, **0.738**) 0.665, 0.862, 1.073, **1.290,** 1.486, 1.680, 1.917
3136. 47	(**0.063,** 0.217, 0.376) **0.868,** 0.999, 1.116, 1.233, 1.343, 1.468, 1.585
3130. 06	(0.266, 0.420, 0.617, **0.808**) 0.490, 0.662, 0.847, 1.018, **1.188,** 1.366, 1.541, 1.726, 1.915
3127. 82	(0.000) 0.907
3126. 78	(**0.102,** 0.308, 0.509) **0.508,** 0.713, 0.919, 1.099, 1.335, 1.530
3126. 32	(**0.071,** 0.232, 0.402) **1.035,** 1.198, . . .
3126. 02	(0.012) 1.024, **1.201,** 1.351
3124. 89	(**0.138,** 0.421, 0.686) . . . 1.052, **1.328**
3124. 21	(0.000) 1.066
3123. 99	(0.271 *B*) 1.285 *WD*
3123. 46	(0.000) 1.061
3122. 00	(0.101) 1.118
3121. 22	(**0.053,** 0.185, 0.336, 0.475, 0.565) 1.032, 1.190, 1.289, 1.435, 1.559, **1.699**
3119. 44	(0.000) 1.113
3118. 94	(0.000 *WD*) 1.315 *B*
3117. 46	(0.352, 0.564, **0.790**) 0.369, 0.594, 0.809, **1.044,** 1.259, 1.485, 1.704
3116. 10	(0.000 *WD*) 0.893 *A*
3114. 96	(0.000 *w*) 0.884 *A*
3113. 52	(**0.369,** 1.121) . . ., **1.954**
3111. 65	(0.284, 0.395, **0.500**) 1.032 *w D*
3111. 23	(0.000) 1.766
3108. 99	(**0.082,** 0.227, 0.390, 0.551) 0.565, 0.717, 0.878, 1.038, 1.205, 1.350, **1.513**
3107. 55	(0.000 *WD*) 1.465 *B*
3106. 94	(0.348) **0.943,** 1.631
3106. 25	(0.159) 2.140
3103. 47	(0.230, **0.395**) 0.939, 1.091, **1.247,** 1.411, 1.564
3101. 10	(0.000) 0.990
3100. 51	(0.000 *WD*) 0.902 *w A*
3100. 00	(**0.049,** 0.168) . . . 1.235, 1.344, **1.451**
3099. 25	(**0.070,** 0.191, 0.306) . . . 1.080, 1.205, **1.319**
3098. 47	(0.159, 0.424, **0.711**) 1.013, 1.296, **1.575,** 1.856, 2.138
3097. 69	(**0.044,** 0.168, 0.308, 0.454, 0.570) 0.675, 0.795, 0.924, 1.054, 1.182, 1.316, 1.443, 1.574, **1.689**
3092. 09	(**0.173,** 0.502) **0.969,** 1.302, 1.649, 1.985
3091. 54	(0.727, 1.002, 1.318, **1.602**) . . . 0.802, **1.049,** 1.365, 1.669, 1.965, 2.264
3089. 53	(0.209) 0.692, **0.816,** 0.972
3087. 63	(0.098) 1.202
3084. 52	(0.000*w*) 0.845*A*
3082. 22	(0.000*WD*) 1.433*A*
3081. 66	(0.236*B*) 1.050*D*
3078. 64	(0.350, 0.569, **0.804**) 0.492, 0.721, 0.957, **1.168,** 1.388, 1.611, 1.835
3078. 05	(0.000) 0.000
3077. 66	(0.000) 0.997
3075. 60	(0.535) 0.531, **1.721**
3074. 37	(**0.289,** 0.474) . . . **2.121**
3072. 89	(**0.127,** 0.388, 0.619) . . . 1.412, 1.657, **1.954**

TABLE 3. *Zeeman effect of* Mo II—Continued

Wavelengths	Magnetic patterns
3070. 62	(0.000) 1.138
3069. 19	(0.000) 0.976
3068. 93	(**0.000,** 0.112, 0.227) 0.580*A*
3068. 78	(0.000) 1.051
3067. 64	(**0.078,** 0.241, 0.413, 0.575, 0.734, 0.903) **0.181,** 0.357, 0.515, 0.686, 0.841, 1.002, 1.168, 1.333, 1.502, 1.673, 1.839, 2.005
3062. 10	(**0.069,** 0.229, 0.365) 0.730, 0.850, 0.971, **1.096**
3060. 78	(**0.147,** 0.459, 0.760) **0.650,** 0.947, 1.275, 1.565, 1.863
3060. 03	(0.233, 0.371, **0.525**) 0.533, 0.697, 0.851, **1.002,** 1.132, 1.285, 1.442, 1.593
3058. 61	(0.232, 0.366, **0.499**) 0.427, 0.541, 0.700, 0.854, **0.981,** 1.111, 1.244, 1.387
3058. 37	(0.000) 0.979
3057. 86	(0.000) 1.165
3056. 82	(**0.096,** 0.284, 0.470, 0.663) 0.892, 1.086, 1.277, 1.471, 1.670, **1.880**
3054. 94	(**0.187,** 0.540) 1.417, 1.739, **2.091**
3054. 76	(0.664, **1.109**) . . . **0.968,** 1.421, 1.869
3053. 47	(0.102) 1.202
3052. 32	(0.000*WD*) 1.625*B*
3050. 37	(**0.123,** 0.375) 0.559, 0.799, 1.041, **1.288**
3048. 89	(0.254, 0.363, 0.514, 0.653, **0.765**) . . . 0.884, **0.993,** 1.124, 1.247, 1.363, 1.484, 1.596, 1.687
3048. 80	(0.000*w*) 0.902*wA*
3048. 31	(0.174, **0.438**) 0.681, **0.951,** 1.227
3048. 05	(0.116*w*) 1.294*w*
3046. 41	(0.000) 1.238
3045. 73	(**0.215,** 0.625) 1.087, 1.514, 1.925, **2.346**
3043. 44	(**0.181,** 0.559) **0.894,** 1.269, 1.618
3041. 01	(0.193) . . ., **1.148,** 1.311
3039. 06	(0.614, **1.036**) 0.125, 0.548, **0.971,** 1.380, 1.797
3037. 09	(0.130) 1.213
3035. 47	(**0.057,** 0.210, 0.345, 0.520) . . . 1.470, 1.594, **1.746**
3034. 92	(0.000*WD*) 1.657*B*
3034. 25	(0.073) 0.097
3033. 33	(0.156*w*) 1.114*w*
3033. 24	(**0.186,** 0.316) 1.508, 1.729, **1.838**
3030. 32	(0.000*WD*) 1.200*B*
3029. 99	(0.000*WD*) 1.481*B*
3029. 77	(**0.145,** 0.438) . . . 1.304, **1.581**
3028. 29	(**0.069,** 0.196, 0.317) 0.714, 0.850, 1.001, **1.118**
3027. 77	(0.207, **0.623**) 1.198, **1.601,** 2 003
3026. 80	(0.000*wD*) 1.404*B*
3025. 57	(0.000*WD*) 0.978*A*
3023. 30	(0.000) 0.942
3022. 75	(0.197, 0.346, **0.481**) 0.440, 0.600, . . ., . . ., 0.967, 1.122, 1.263
3021. 60	(**0.136,** 0.402, 0.671, 0.924) 0.660, 0.992, 1.287, **1.583**
3020. 68	(0.526, 0.870, 1.222, **1.565**) 0.193, 0.526, 0.907, **1.243,** 1.588, 1.925, 2.274, 2.622
3019. 72	(**0.114,** 0.299, 0.508, 0.720, 0.920) . . ., 1.573, 1.788, 2.003, **2.207**
3018. 56	(**0.163,** 0.297) 1.367, 1.490, 1.624, **1.751**
3018. 50	(0.000) 0.991*A*
3016. 87	(0.202*B*) 1.096*WD*
3015. 42	(1.202) 1.955
3014. 15	(0.172*B*) 1.392*D*
3011. 18	(0.000*w*) 1.158*B*
3010. 92	(0.107) 1.202*D*
3009. 79	(**0.171,** 0.482) . . ., 0.822, 1.156, **1.475**
3009. 46	(**0.130,** 0.371, 0.614) 0.677, 0.875, 1.125, 1.378, **1.604**
3008. 15	(0.234, **0.420**) 1.190, 1.362, **1.515,** 1.680, 1.855
3007. 47	(0.000*WD*) 0.857, **1.029**
3006. 77	(0.253, 0.432, **0.576**) 0.261, 0.425, 0.642, 0.826, **1.046,** 1.221, 1.372
3004. 45	(**0.110,** 0.348, 0.577, 0.810) 0.230, 0.452, 0.675, 0.911, 1.126, 1.359, 1.593, **1.830**
3003. 77	(0.000*w*) 0.811*A*
3000. 28	(0.000) 0.766
2999. 59	(**0.061,** 0.194, 0.327) **0.724,** 0.849, 1.007, 1.136, 1.236
2998. 37	P—B
2997. 96	(0.000*wD*) 0.991*A*
2997. 66	P—B
2997. 33	(0.000*w*) 1.276*B*
2997. 10	(0.196, 0.334, **0.459**) . . . **1.481,** 1.638, . . .
2996. 69	(0.000) 1.078
2996. 27	(**0.258,** 0.768) **0.424,** 0.929, 1.446, 1.902
2995. 53	(**0.065,** 0.180, 0.326, 0.459, 0.578) 1.291, 1.402, 1.521, 1.651, 1.803, **1.911**
2993. 50	(0.516) 1.272, **2.331**
2992. 25	(**0.078,** 0.216, 0.324, 0.479) 0.964, 1.117, 1.278, 1.399, **1.527**
2991. 51	(0.000*w*) 1.373*w*
2989. 86	(0.000*w*) 0.994*A*
2987. 96	(0.000) 1.273
2987. 35	(0.113) 0.927*A*
2986. 90	(**0.139,** 0.420, 0.701) **0.587,** 0.866, 1.149, 1.432, . . .
2986. 15	(0.000) 1.028
2984. 86	(**0.077,** 0.216, 0.368, 0.510, 0.646) 0.980, 1.156, 1.345, 1.496, 1.646, 1.824, **2.005**
2983. 59	(0.293) **1.410,** 2.010
2982. 77	(**0.078,** 0.229, 0.389, 0.555) 0.904, 1.071, 1.236, 1.397, 1.545, **1.690**
2982. 45	(0.000) 1.254
2979. 79	(**0.082,** 0.251, 0.402, 0.569, 0.729) 0.865, 1.019, 1.176, 1.362, 1.516, 1.670, 1.847, **2.027**
2978. 61	(0.000*w*) 0.991*A*
2977. 76	(0.204, 0.607, **1.003**) 0.583, 0.967, **1.399,** 1.763, 2.156
2976. 90	(0.000) 1.070
2975. 62	(0.000) 1.190
2975. 39	(**0.083,** 0.234, 0.411) 0.625, 0.821, 0.999, 1.170, **1.352**
2972. 61	(**0.098,** 0.288, 0.479) **0.921,** 1.116, 1.313, 1.497, 1.702, 1.880
2971. 90	(**0.105,** 0.332, 0.546, 0.774) 0.514, 0.730, 0.952, 1.149, 1.346, 1.565, **1.799**
2971. 14	(0.000) 0.953
2969. 36	P–B
2968. 78	P–B
2967. 08	(0.369, **0.654**) 0.406, 0.644, **0.891,** 1.143, 1.387
2965. 28	(**0.141,** 0.405, 0.670) 0.903, 1.174, 1.451, 1.671, 1.956, **2.258**
2963. 79	(**0.287,** 0.885) 0.775, 1.367, 1.942, **2.514**
2962. 21	(0.240, 0.396, 0.557, **0.727**) 0.495, 0.611, 0.721, 0.846, 0.970, **1.100,** 1.253, 1.390, 1.529, 1.671
2961. 33	(0.000*WD*) 1.846*B*
2960. 46	(0.064) 1.178
2960. 23	(**0.051,** 0.232, 0.398, 0.548) 1.269, 1.461, 1.639, 1.781, 1.945, **2.121**
2958. 73	(0.153*w*) 1.270*D*
2956. 92	(0.143*w*) 1.078*w*
2956. 79	(**0.085,** 0.298, 0.539, . . .) . . . 1.731, 1.947, 2.185, **2.405**
2956. 06	(1.250) 3.105
2955. 83	(0.000*WD*) 1.274*B*
2955. 15	(0.000) 1.674
2954. 52	(**0.081,** 0.220, 0.384) . . . 1.669, **1.799**
2953. 94	(0.230*B*) 1.369*D*
2951. 82	(**0.174,** 0.481) **0.386,** 0.722, 1.057
2947. 29	(0.281) 1.258*W*, *D*
2946. 69	(0.247*w*) *B*
2945. 95	(0.000) 1.248
2944. 82	(0.000) 1.026
2943. 36	(0.000*WD*) 1.461*B*
2941. 21	(0.000) 1.164
2940. 09	(0.000) 1.243
2938. 51	(0.000*wD*) 1.300*wB*
2938. 29	(0.000*w*) 1.288*B*
2936. 77	(**0.131,** 0.388) 0.447, 0.624, 0.860, 1.109, **1.398**
2935. 70	(0.213) 0.236, **0.649**
2935. 20	(0.626) 2.517
2934. 30	(1.983) 1.329

TABLE 3. *Zeeman effect of* Mo II—Continued

Wavelengths	Magnetic patterns
2933. 20	(**0.258,** 0.779, 1.304) —**0.260,** +0.260, 0.810, 1.347
2932. 18	(0.306, 0.505, **0.726**) 0.082, 0.287, 0.495, 0.703, **0.903,** 1.098, 1.310, 1.531
2930. 48	(0.391, **1.198**) 0.675, **1.452,** 2.254
2930. 07	P–B
2929. 49	(0.000) 0.762
2928. 49	(0.000*WD*) 1.063*A*
2927. 54	(0.000*w*) 1.133*B*
2926. 74	P–B
2925. 42	(0.173*w*) 0.994*wA*
2924. 32	(0.218*w*) 1.216*B*
2923. 39	(0.173, 0.515, **0.885**) 0.442, 0.796, 1.126, **1.471,** 1.819, 2.157
2922. 73	(**0.092,** 0.317) 0.473, 0.656, 0.880, **1.110**
2921. 92	(**0.166,** 0.475, 0.805, 1.125) —**0.147,** +0.147, 0.494, 0.825, 1.136
2920. 25	(0.000) 1.176
2920. 08	(0.000) 1.276
2918. 84	(0.827) **0.699,** 2.334
2917. 16	(0.000*wD*) 1.311*B*
2914. 44	(0.000) 1.775
2914. 31	(0.000*D*) 1.715*B*
2913. 82	(0.333, 0.555, **0.785**) 0.362, 0.585, 0.807, **1.029,** 1.251, 1.473, 1.695
2913. 74	(0.000*wD*) 1.059*A*
2911. 92	(0.104, 0.282, 0.481, **0.672,** 0.906, 1.097, 1.292, **1.485,** 1.669, 1.853, 2.054
2910. 93	(**0.124,** 0.385, 0.624, 0.832) **0.079,** 0.313, 0.580, 0.773, 1.025, 1.294
2909. 11	(1.127) **0.000,** 2.171
2907. 11	(0.238, 0.581, **0.973**) 0.464, 0.851, **1.248,** 1.624, 2.030
2905. 83	(0.000*W*) 0.953*w*
2903. 05	(0.000) 1.060
2901. 79	(0.000*WD*) 0.698*A*
2900. 78	(0.361, 0.560, 0.811, **1.045**) 0.261, 0.475, 0.723, 0.938, **1.159,** 1.395, 1.615, 1.844 2.094
2898. 65	(0.000) 0.901
2898. 48	(0.000) 1.136
2894. 45	(0.173, 0.318, 0.441, **0.558**) 0.963, 1.103, 1.242, 1.356, **1.476,** 1.584, 1.719, 1.850, 1.981
2892. 82	(**0.167,** 0.514) **0.529,** 0.881, 1.223, 1.563
2892. 04	(**0.157,** 0.469, 0.778, 1.122) . . .
2891. 29	(0. 160) . . . , 0.588
2890. 99	(**0.275,** 0.828) **0.479,** 1.039, 1.583, 2.121
2888. 70	(0.000*WD*) 1.188*B*
2888. 17	(0.129) 0.872*A*
2886.98	(**0.122,** 0.341, 0.575, 0.811, 1.039) 0.400, 0.642, 0.865, 1.093, 1.326, 1.548, 1.771, 2.008, **2.245**
2885. 76	(**0.040,** 0.186, 0.332) **0.572,** 0.700, 0.843, 0.985, 1.138, 1.249
2884. 80	(0.000*w*) 1.056*A*
2883. 97	(**0.075,** 0.234, 0.395) **1.028,** 1.211, 1.387
2883. 32	(**0.084,** 0.248) 0.424, 0.597, 0.758, 0.925, **1.145**
2882. 38	(0.209, 0.393, 0.536, 0.685, **0.833**) 0.453, 0.591, 0.741, 0.877, 1.030, **1.184,** 1.326, 1.486, 1.637, 1.786, 1.950
2882. 04	(0.000) 1.246
2881. 93	(0.000*w*) 1.353*B*
2881. 39	(0.127) 0.776*wD*
2879. 75	(0.420, **0.706**) 0.449, 0.727, **1.005,** 1.297, 1.599
2879. 05	(0.000*w*) 0.921*A*
2876. 83	(0.355) 0.396
2874. 85	(**0.069,** 0.210, 0.351, 0.494) **0.743,** 0.910, 1.052, 1.189, 1.339, 1.474, 1.609, 1.749
2874. 39	(**0.135,** 0.391, 0.655) **0.728,** 0.979, 1.243, 1.527
2872. 90	(0.753) 0.436
2872. 88	(0.449*B*) 1.109*D*
2871. 51	(**0.150,** 0.384, 0.658) **0.715,** 0.979, 1.252, 1.512, 1.765, 2.042
2869. 98	(0.316, **0.508**) 0.919, 1.121, **1.326,** 1.523, 1.728
2869. 22	(**0.071,** 0.216, 0.366, 0.532) 0.838, 1.040, 1.183, 1.365, 1.513, 1.689, **1.834**
2868. 33	(0.409) **1.234,** 2.102
2868. 12	(0.000*w*) 0.780*A*
2866. 70	(**0.086,** 0.269, 0.453) **0.802,** 0.992, 1.162, 1.360, 1.516, 1.676
2863. 80	(0.000) 1.088
2863. 20	(**0.092,** 0.251) 0.430, 0.590, 0.763, **0.923**
2859. 00	(**0.250,** 0.771) **0.340,** 0.870, 1.395, 1.920
2858. 08	(0.000*w*) 1.053
2856. 90	(**0.590,** 1.814) —**1.219,** 0.000, +1.219
2856. 01	(0.00) 0.960
2855. 71	(0.435, 0.613, **0.809**) 0.399, 0.567, 0.736, 0.895, **1.065,** 1.213, 1.386, 1.552, 1.722
2853. 22	(0.000*W*) 0.695*WA*
2850. 68	(0.302, 0.495, 0.672, 0.849, **1.027**) 0.241, 0.464, 0.681, 0.904, 1.147, 1.385, 1.652, 1.867, 2.086
2848. 24	(**0.206,** 0.376, 0.529) **0.861,** 1.013, 1.181, 1.332, 1.487, 1.653, 1.816, 1.968
2846. 63	(0.524, **0.865**) 0.149, 0.504, **0.844,** 1.187, 1.528
2846. 25	(0.000) 0.865
2845. 67	(0.153) 1.241
2844. 83	(**0.086,** 0.274, 0.471, 0.652, 0.836) **0.308,** 0.497, 0.679, 0. 871, 1.058, 1.245
2843. 73	(1.201) 1.201
2842. 49	(0.000*WD*) 0.580*WA*
2842. 15	(0.458) **1.384,** 2.325
2841. 79	(0.000*WD*) 1.415*WB*
2840. 08	(**0.268,** 0.797, 1.360) . . . 0.929, 1.480, 2.027, **2.544**
2839.25	(**0.368,** 1.130) 0.905, 1.652, **2.395**
2839. 19	(0.000*wD*) 0.830*A*
2836. 72	(0.000) 1.052
2836. 31	(**0.305,** 0.933, 1.562) —**0.028,** +0.590
2835. 34	(**0.122,** 0.355, 0.596, 0.830, 1.074) **0.191,** 0.423, 0.658, 0.904, 1.147, 1.466
2834. 42	(0.244, 0.394, **0.551**) 0.860, 1.016, 1.175, **1.331,** 1.472, 1.632
2832. 08	(0.000) 0.991
2832. 00	(0.000) 1.037
2831. 44	(0.000) 1.014
2829. 04	(**0.057,** 0.177, 0.299, 0.406) 1.206, 1.321, 1.476, 1.606. **1.666**
2827. 75	(0.000) 1.126
2827. 18	(0.286) 1.506*B*
2825. 30	(0.000*WD*) 1.464*B*
2824. 19	(**0.107,** 0.327) **0.411,** 0.616, 0.835, 1.034. 1.233
2822. 94	(**0.419,** 1.270) — 0.419, +0.419, 1.270
2822. 04	(0.257) 3.044
2821. 84	(0.000*w*) 0.826*A*
2821. 02	(0.000*w*) 1.105*wD*
2820. 02	(**0.158,** 0.509) **1.069,** 1.418, 1.753
2819. 59	(0.381, **0.534**) 1.014, 1.147, 1.293, **1.463,** 1.608, 1.763, 1.856
2817. 54	(0.309*B*) 1.164*WD*
2817. 44	(**0.000,** 0.738) — **0.313,** +1.158
2816. 16	(0.000*w*) 0.814*A*
2815. 00	(0.172, **0.324**) . . . **1.087,** 1.176
2814. 68	(0.000*d*) 0.807
2814. 12	(0.594) **0.652,** 1.820
2813. 34	(0.000*WD*) 1.016*A*
2812. 65	(0.000*W*) 1.394*WB*
2812. 61	(0.000*w*) 0.709*A*
2811. 39	(0.066) 0.855, **0.970**
2811. 16	(**0.152,** 0.473) **0.751,** 1.068, 1.375
2810. 45	(0.000) 1.046
2808. 97	(0.000*wD*) 1.374*B*
2808. 47	(0.000*w*) 0.966*w*
2807. 75	(**0.093,** 0.260) **1.377,** 1.553, 1.734, 1.915
2807. 02	(**0.124,** 0.389, 0.633, 0.913, 1.168, 1.405) . . . 1.571, 1.823, 2.094, 2.356, **2.612**
2806. 19	(0.446, 0.728, **1.013**) 0.176, 0.447, 0.756, **1.049,** 1.349, 1.648, 1.941
2800. 74	(0.315*B*) 1.125*WD*
2800. 06	(0.199, **0.529**) 0.350, **0.688,** 1.025

TABLE 3. *Zeeman effect of* Mo II—Continued

Wavelengths	Magnetic patterns
2798. 91	(**0.125,** 0.366, 0.619, 0.847) **0.000,** 0.261, 0.538, . . .
2798. 07	(**0.182,** 0.552) **1.013,** 1.385, 1.750, 2.113
2796. 93	(0.000*W*) 1.045*WD*
2796. 78	(0.000) 0.758
2796. 34	(**0.116,** 0.344) **0.498,** 0.727, 0.955
2794. 60	(0.356*B*) 1.331*WD*
2791. 55	(0.067) 1.051
2790. 43	(**0.092,** 0.284, 0.488, 0.666) **0.339,** 0.543, 0.735, 0.929, 1.111, 1.310, 1.501, 1.711
2787. 32	(**0.129,** 0.370) 1.167, 1.426, 1.677, **1.918**
2786. 24	(0.163) 1.250*wD*
2785. 64	(0.377, 0.593, **0.827**) 0.323, 0.572, 0.819, **1.049,** 1.263, 1.501, 1.719
2784. 99	(0.000*w*) 1.224*A*
2784. 13	(**0.061,** 0.200, 0.354, 0.514) **0.557,** 0.690, 0.856, 1.012, 1.146
2781. 97	(?) **0.760,** 0.927, 1.122, 1.308, 1.465
2780. 02	(**0.087,** 0.266, 0.441) **1.124,** 1.304, 1.490, 1.663, 1.835, 2.026
2779. 24	(0.000*w*) 0.797*A*
2777. 86	(0.000*w*) 1.836
2776. 68	(**0.153,** 0.463, 0.776, 1.077) —**0.082,** 0.237, 0.523, 0.832, 1.138, 1.427
2775. 39	(**0.218,** 0.368, 0.516) **1.011,** 1.173, 1.318, 1.468, 1.601, 1.719, 1.904, 2.053
2774. 41	P—B
2773. 80	P—B
2771. 71	(0.150) 1.092 *WD*
2770. 60	(0.000*WD*) 0.803*WA*
2770. 18	(0.000*wD*) 0.981*A*
2769. 76	(0.000) 1.163
2763. 63	(**0.089,** 0.265) 0.285, 0.519, 0.683, **0.864**
2763. 30	(0.374*B*) 1.183*WD*
2762. 46	(0.000) 0.649
2760. 54	(0.000*WD*) 0.762*WA*
2760. 10	(0.000) 1.093
2759. 20	(**0.124,** 0.381, 0.626) **0.466,** 0.717, 0.968, 1.209, 1.457
2758. 63	(0.747) **1.081,** 2.561
2758. 51	(0.000*w*) 0.970*wA*
2756. 06	(0.000*W*) 1.001*WD*
2754. 49	(**0.083,** 0.283) **0.705,** 0.883, 1.079, 1.272
2753. 82	(**0.136,** 0.442, 0.730, 1.019) 0.133, 0.409, 0.702, 1.000, 1.265, 1.476, 1.729, 2.008, **2.291**
2750. 03	(0.281*B*) 1.220*wD*
2748. 44	(**0.169,** 0.507, 0.857, 1.186) —**0.332,** 0.000, 0.332, 0.705, 1.058, 1.399
2747. 16	(**0.077,** 0.245, 0.429) **0.378,** 0.539, 0.735, 0.875, 1.031
2746. 30	(0.086) 0.883*A*
2745. 29	(**0.081,** 0. 226, 0.393, 0.548, 0.691) 1.116, 1.273, 1.449, 1.615, **1.748**
2744. 19	(0.000) 0.956
2743. 18	(0.262*B*) 1.680
2742. 89	(**0.102,** 0.280, 0.458, 0.640, 0.801, 0.953) **0.099,** 0.261, 0.419, 0.567, 0.742
2741. 63	(0.000) 1.081
2741. 43	(0.000) 1.138
2741. 31	(0.609*WB*) 1.215*WD*
2740. 06	(**0.263,** 0.796) **1.016,** 1.555, 2.065
2738. 64	(**0.098,** 0.283, 0.467, 0.672, 0.855) **0.142,** 0.361, 0.586, 0.794, 0.979, 1.161, 1.366
2737. 87	(0.000) 1.021
2737. 11	(0.268, 0.464, 0.649, **0.868**) . . . ?
2736. 95	(**0.162,** 0.497) . . . , 0.802, 1.110, 1.398
2735. 32	(**0.201,** 0.629, 1.056, 1.496) 1.091, 1.506, 1.854, 2.264, **2.687**
2732. 89	(0.230*B*) 1.635*WD*
2732. 65	(0.000) 0.887
2730. 21	(0.000*w*) 0.766*A*
2729. 68	(**0.330,** 1.010) **0.636,** 1.309, 1.977
2728. 19	(0.000) 0.888
2727. 80	(**0.122,** 0.340, 0.570) **0.500,** 0.724, 0.937, 1.169
2726. 98	(0.000*WD*) 0.517*A*
2724. 02	(**0.094,** 0.264, 0.440, 0.620, 0.791) **0.271,** 0.455, 0.635, 0.803, 0.973, 1.154, 1.328
2723. 56	(0.000*w*) 1.014
2723. 37	(**0.070,** 0.217, 0.376) **1.198,** 1.318, 1.492, 1.629
2722. 57	(**0.137,** 0.388, 0.650, 0.916, 1.128) . . . 1.677, 1.912, 2.166, **2.404**
2721. 74	(0.136) 1.211
2719. 69	(0.000*WD*) 1.406*B*
2718. 97	(**0.134,** 0.411, 0.704) . . . 1.228, 1.458, 1.713, **1.980**
2717. 36	(0.000*W*) 0.860*A*
2713. 50	(0.000) 1.543
2712. 34	(0.000) 1.049*B*
2711. 48	(0.000) 1.276
2710. 93	(0.297, 0.495, **0.689**) 0.712, 0.912, **1.111,** 1.283, 1.479
2710. 21	(0.438, 0.706, **0.989**) 0.287, 0.570, 0.833, **1.128,** 1.392, 1.640, 1.961
2707. 01	(**0.091,** 0.252) **0.610,** 0.767, 0.931, 1.104
2705. 96	(0.000*WD*) 1.276*W*
2704. 93	(0.134) 0.958
2703. 86	(**0.061,** 0.215, 0.349) 0.964, 1.113, 1.273, **1.374**
2703. 62	(0.107, **0.261**) 0.598, **0.779,** 0.956
2703. 08	(**0.180,** 0.528, 0.849) . . ., 1.676, **2.014**
2702. 87	(**0.112,** 0.321, 0.533) **0.256,** 0.464, 0.679, 0.897
2701. 88	(0.000) 0.680
2701. 41	(0.234, **0.692**) 1.609, **2.074,** 2.535
2699. 99	(0.000*WD*) 1.728*B*
2699. 40	(**0.072,** 0.230) **0.509,** 0.649, 0.829, 0.993, 1.161
2697. 25	(0.000*W*) 1.782*B*
2696. 84	(0.094) 1.070
2695. 22	(**0.130,** 0.398, 0.647, 0.909) . . ., 0.664, 0.910, 1.175, 1.450, 1.706, **1.964**
2694. 72	(0.097) 1.133*w*
2693. 19	(0.000*WD*) 0.753*A*
2692. 94	(0.128, **0.354**) 1.579, **1.800,** 2.067
2692. 63	(0.000*w*) 0.791*A*
2691. 70	(0.450, 0.668, **0.861**) 0.427, 0.620, 0.824, 1.016, **1.203,** 1.410, 1.592, 1.768, 1.927
2690. 98	(0.034*B*) 1.341*WD*
2687. 99	(0.178) 1.679
2685. 78	(**0.072,** 0.206, 0.344) **0.707,** 0.834, 0.987, 1.144, 1.288
2684. 15	(0.176*B*) 1.557*w*
2683. 23	(0.472) **1.799,** 2.814
2682. 43	(0.000) 1.269
2681. 37	(0.407*WD*) 0.835*A*
2678. 47	(0.422, **0.683**) 0.624, 0.894, **1.174,** 1.470, 1.745
2677. 00	(**0.116,** 0.353) 1.326, 1.562, **1.818**
2676. 49	(**0.100,** 0.310, 0.514) **0.255,** 0.473, 0.689, 0.904, 1.100, 1.327
2673. 27	(0.477*WD*) 0.826*A*
2672. 84	(0.000) 1.553
2671. 86	(0.000) 1.164*B*
2670. 96	(0.000) 1.066
2670. 02	(0.308, 0.463) 0.463, 1.102
2669. 58	(0.129) 1.125*w*
2667. 94	(0.858, **1.173**) 0.136, 0.446, 0.797, **1.117,** 1.461, 1.801, 2.109
2664. 91	(0.101, **0.297**) 1.092, **1.288,** 1.494
2664. 29	(0.163) 1.154*w*
2663. 78	(**0.087,** 0.304, 0.500) **0.853,** 1.063, 1.287, 1.518
2660. 58	(0.000*w*) 1.557*A*
2659. 72	(0.338) 1.059*WD*
2657. 39	(0.000) 1.112
2657. 00	(0.000*WD*) 1.515*B*
2655. 82	(0.139) 0.974
2655. 14	(0.000) 0.906
2654. 85	(**0.125,** 0.363, 0.574) 1.144, 1.391, 1.630, **1.883**
2653. 80	(**0.093,** 0.319, 0.555, 0.765) **0.412,** 0.624, 0.837, 1.054, 1.288
2653. 35	(0.000) 1.551
2652. 37	(0.000*w*) 0.875*A*

TABLE 3. *Zeeman effect of* Mo II—Continued

Wavelengths	Magnetic patterns
2651. 73	(0.081, 0.231, 0.397, 0.559, 0.693) 1.069, 1.231, 1.394, 1.546, 1.688, **1.817**
2650. 01	(**0.074,** 0.231, 0.398, 0.544) . . ., 1.170, 1.320, **1.477**
2648. 22	(0.205) 0.930*w*
2647. 08	(0.000) 1.204
2646. 48	(**0.085,** 0.225) **1.396,** 1.552, 1.709, 1.867
2644. 88	(0.202) 1.164*w*
2644. 34	(0.000*WD*) 1.278*A*
2644. 14	(0.000*w*) 0.880
2642. 40	(0.000*w*) 1.226
2642. 40	(0.350, **0.588**) 0.641, 0.869, **1.098,** 1.311, 1.562
2641. 19	(0.345) 1.194*WD*
2640. 88	(0.000*WD*) 1.046*A*
2639. 68	(0.185) 1.382*w*
2638. 77	(0.155) 1.351*wA*
2636. 67	(0.641) **1.210,** 2.492
2635. 51	(0.000) 1.202
2635. 28	(0.000) 1.161
2634. 10	(**0.080,** 0.240, 0.367) 1.384*B*
2633. 67	(0.304) 0.231
2633. 52	(0.000*WD*) 1.835*B*
2633. 14	(0.000*WD*) 1.042*A*
2632. 86	(0.555, **0.641**) 0.920*WD*
2631. 56	(0.000) 0.770
2630. 74	(0.127) 1.214
2630. 23	(0.120) 1.055*w*
2627. 92	(0.000) 1.330
2626. 10	(0.000) 1.038
2625. 87	(0.000*WD*) 1.501*B*
2625. 15	(0.000*w*) 1.080*A*
2624. 64	(**0.076,** 0.241, 0.402, 0.540) 1.012, 1.156, 1.345, **1.473**
2623. 41	(**0.079,** 0.243) 0.977, 1.168, **1.305**
2620. 05	(**0.164,** 0.539, 0.871, 1.182) **0.164,** 0.539, 0.871, 1.182, 1.551, 1.880
2619. 34	(0.000) 3.206
2612. 29	(0.000) 1.053
2609. 22	(0.000 *w*) 0.999 *A*
2608. 88	(**0.073,** 0.237, 0.383, 0.532, . . .) . . ., 1.112, 1.267, 1.400, 1.566, **1.693**
2607. 78	(0.102) 1.117
2606. 60	(0.000) 1.406
2605. 95	(0.000) 1.369
2605. 83	(0.000) 0.957
2604. 60	(**0.172,** 0.496) **0.346,** 0.684, 1.006, 1.339
2602. 80	(0.747) **1.054,** 2.545
2601. 97	(0.269, **0.401**) 0.726, 0.825, 0.957, **1.067.** 1.187, 1.308, 1.422
2600. 10	(0.347, 0.571, **0.802**) 0.552, 0.793, **1.024,** 1.251, 1.486
2599. 19	(**0.083,** 0.235, 0.367) **0.544,** 0.735, 0.929
2597. 39	(**0.066,** 0.226, 0.357) 0.986, 1.157, 1.287, 1.462, **1.591,**
2596. 43	(0.000 *w*) 1.327 *w*
2593. 71	(**0.122,** 0.363) **1.210,** 1.477, 1.736, 1.955
2593. 38	(0.249 *B*) 1.133 *W D*
2592. 78	(**0.133,** 0.401, 0.672) 1.107, 1.392, 1.643, **1.890**
2591. 78	(0.000) 1.226
2588. 79	(**0.148,** 0.444) 0.550, 0.872, 1.164, **1.462**
2587. 85	(0.422) 0.489, **1.404**
2587. 05	(0.000 *W D*) 1.364 *B*
2585. 97	(0.000) 1.310
2585. 08	(0.000) 1.133
2584. 73	(0.149) 1.188
2584. 20	(0.000) 1.115
2583. 95	(0.000) 1.433
2583. 82	(. . . ?) 1.548 *W D*
2580. 98	(**0.097,** 0.281) **0.715,** 0.892, 1.097
2580. 48	(0.000 *w*) 1.069 *B*
2579. 44	(**0.151,** 0.429, 0.723, 0.988) 1.130, 1.389, 1.695, 1.971, 2.262, **2.540**
2578. 35	(0.000 *w*) 0.829 *A*
2576. 56	(0.239) 0.267, **0.759**
2575. 81	(0.365, **0.572**) 0.729, 0.924, **1.126,** 1.343, 1.556
2574. 43	(**0.262,** 0.797, 1.318) 0.294, 0.788, 1.310, 1,838, 2.366, **2.887**
2572. 24	(0.227, **0.594**) 0.313, **0.705,** 1.103
2571. 45	(**0.111,** 0.315, 0.499, 0.694) 0.897, 1.096, 1.306, 1.501, **1.715**
2571. 24	(0.118) 0.786, **1.017**
2567. 51	(0.000 *W D*) 1.717 *B*
2566. 26	(**0.603,** 1.845) 2.250, **3.469**
2566. 08	(0.000) 1.174
2564. 57	(0.000 *w*) 0.964 *A*
2564. 33	(**0.058,** 0.198, 0.334, 0.462) **0.781,** 0.894, 1.023, 1.168, 1.313, 1.453
2562. 08	(**0.119,** 0.340, 0.575, 0.799, 1.028) 0.622, 0.845, 1.098, 1.323, 1.529, 1.775, 2.005, **2.242**
2560. 67	(0.000 *w*) 1.251 *w*
2559. 69	(0.381, **0.631**) 0.653, 0.896, **1.149,** 1.418, 1.674
2557. 38	(0.000 *w D*) 1.104 *A*
2556. 76	(0.000) 1.213
2556. 31	(0.253, **0.412**) 0.596, 0.765, **0.930,** 1.101, 1.280
2555. 42	(0.329 *w*) 1.208 *w*
2552. 19	(0.000) 1.118
2550. 74	(0.000) 1.096
2549. 35	(0.286 *B*) 1.050 *w*
2548. 21	(0.197) **0.491,** 0.906
2547. 56	(**0.099,** 0.287, 0.478, 0.646) 1.067, 1.288, 1.480, **1.640**
2546. 92	(0.419, **0.623**) 0.589, 0.754, 0.914, **1.060,** 1.243, 1.446, 1.584
2544. 46	(0.000) 1.274
2544. 46	(**0.151,** 0.454, 0.776, 1.092) 0.803, 1.100, 1.416, 1.744, **2.045**
2543. 61	(**0.067,** 0.201) **0.940,** 1.085
2542. 67	(0.472, 0.781, **1.100**) 0.480, 0.808, 1.111, **1.439,** 1.737, 2.048, 2.362
2540. 58	(0.000) 0.948
2539. 44	(0.000) 1.139
2538. 44	(0.300, 0.474, 0.658, **0.830**) 0.718, 0.903, 1.090, 1.282, **1.456,** 1.638, 1.806, 1.977, 2.158
2537. 44	(0.000) 0.900
2534. 41	(0.765, **1.053**) 0.485, 0.784, **1.089,** 1.403, 1.588
2533. 58	(0.000) 1.011
2532. 62	(0.000*w*) 0.979*A*
2532. 30	(**0.190,** 0.575) 0.524, 0.890, 1.267, **1.643**
2531. 44	(0.221) **1.324,** 1.719
2530. 33	(**0.093,** 0.277) **0.793,** 0.992, 1.192
2528. 85	(0.233) 0.291, **0.764**
2528. 38	(**0.097,** 0.309) . . . 1.219, 1.448, **1.622**
2527. 14	(0.385, **0.631**) 0.439, 0.680, **0.925,** 1.175, 1.422
2523. 16	(**0.084,** 0.244, 0.427, 0.598) **0.355,** 0.532, 0.709, . . .
2522. 59	(0.000*w*) 1.302*B*
2521. 68	(**0.086,** 0.250, 0.416) **0.566,** 0.714, . . .
2521. 19	(0.000) 1.097
2521. 06	(**0.156,** 0.457, 0.763, 1.060) 0.955, 1.279, 1.564, 1.858, **2.155**
2519. 61	(**0.180,** 0.578, 0.977) **0.182,** 0.606, 1.001, 1.346, . . .
2518. 43	(0.612) 1.370
2516. 09	(0.120) 1.058*wD*
2515. 60	(**0.127,** 0.372, 0.614) **0.433,** . . .
2515. 10	(0.178) 0.945*WD*
2514. 16	(0.000) 1.109
2513. 95	(0.000) 0.512
2511. 80	(**0.175,** 0.578, 0.991) **0.232,** 0.645, 1.052, 1.477
2510. 34	(1.219) 0.772
2509. 15	(0.000) 0.664
2505. 64	(0.000) 1.073
2502. 83	(**0.107,** 0.315, 0.551, 0.765) **0.616,** 0.941, 1.152, 1.358, 1.561, 1.775
2502. 22	(0.291) **1.147,** 1.692
2500. 42	(0.260*B*) 1.143*WD*
2497. 37	(**0.247,** 0.756) 0.760, 1.269, **1.766**
2496. 28	(**0.109,** 0.307, 0.526) 1.165, 1.376, 1.605, **1.810**
2494. 68	(0.347) 0.343, **1.025**
2490. 64	(0.332) 0.574, **0.790,** 1.016
2484. 75	(0.000) 1.035
2484. 60	(0.000) 1.125

TABLE 3. *Zeeman effect of* Mo II—Continued

Wavelengths	Magnetic patterns	Wavelengths	Magnetic patterns	Wavelengths	Magnetic patterns
2482. 57	(**0.097,** 0.272, 0.447) 1.103, 1.302, 1.488, **1.669**	2428. 17	(0.000) 1.122*B*	2380. 01	(0.416*B*) 1.321*WD*
2479. 24	(0.143) 1.092*A*	2427. 29	(0.000) 1.076	2377. 13	(0.00) 1.07†
2478. 67	(**0.271,** 0.749) 1.624, **2.025**	2424. 26	(0.000*w*) 1.186*w*	2372. 98	(0.00) 1.31†
2478. 23	(**0.085,** 0.249) 1.269, 1.430, **1.616**	2423. 99	(**0.106,** 0.319, 0.492, 0.709) **0.239,** 0.429, 0.629, 0.813, 1.003, . . .	2371. 58	(0.000*w*) 1.257*B*
2478. 01	(0.335) 1.207	2423. 72	(0.285) 1.064	2371. 26	(**0.084,** 0.258, 0.397) **0.697,** 0.845, 1.053, . . .
2477. 57	(0.000) 1.203	2421. 65	(0.000) 0.943	2370. 41	(0.000*w*) 1.142*A*
2474. 24	(0.000) 1.06*w*†	2420. 18	(0.371) 0.388, **0.631,** 0.885	2370. 25	(0.000*w*) 0.857*A*
2470. 04	(0.000*w*) 1.340	2419. 01	(0.000) 1.077	2366. 10	(0.366) **0.831,** 1.542
2468. 79	(0.045) 1.315	2417. 96	(0.206) 0.961, **1.399**	2364. 52	(0.000) 0.948
2468. 76	(0.000) 1.285	2417. 48	(0.110) **1.258,** 1.490	2359. 37	(0.000) 1.328
2467. 35	(. . . ?) **0.332,** 0.463, 0.591, 0.752	2416. 18	(0.000) 1.379	2357. 34	(0.000) 0.927
2466. 97	(0.277) 0.477	2407. 15	(0.000*wD*) 0.931*B*	2355. 46	(0.159, **0.496**) 1.024, **1.355,** 1.693
2466. 67	(**0.157,** 0.467) 0.520, 0.834, 1.154, **1.480**	2404. 68	(0.000) 1.064	2350. 12	(0.000*wD*) 0.764*A*
2462. 48	(0.571) 0.536, 0.745, **0.984,** 1.228, 1.461	2403. 60	(**0.105,** 0.296, 0.520, 0.661) **0.258,** 0.479, 0.681, 0.878, 1.046	2348. 83	(0.688, **1.003**) ?
2461. 80	(**0.149,** 0.465) 0.639, 0.919, 1.222, **1.509**	2403. 43	(**0.133,** 0.352) 0.649, 0.846, **1.087**	2347. 80	(0.083) 0.725
2459. 76	(0.000) 1.127	2401. 94	(0.656) 0.854, **2.163**	2344. 68	(0.142) 1.785
2458. 66	(0.000) 1.020	2397. 85	(0.000*w*) 1.457*B*	2341. 57	(0.000*w*) 0.923*B*
2457. 77	(**0.055,** 0.187, 0.322, 0.456, 0.583) 1.277, 1,407, 1.563, 1.680, **1.799**	2397. 12	(0.000) 0.825	2340. 41	(0.000*WD*) **0.125,** 0.299, . . .
2453. 36	(0.000) 0.874	2392. 33	(0.527) **0.405,** 1.483	2337. 43	(0.88) 1.33†
2453. 14	(0.247) 1.004*WD*	2391. 74	(0.421, **0.694**) 0.349, 0.601, **0.889,** 1.136, 1.434	2334. 94	(0.000) 1.088
2444. 74	(0.000) 0.818	2390. 78	(0.102) 1.135	2334. 84	(0.000) 0.999
2444. 48	(0.473, **0.790**) 0.257, 0.583, **0.895,** 1.217, 1.522	2390. 10	(0.000*w*) 0.951*A*	2332. 13	(0.000) 0.933
2443. 19	(0.000) 1.025	2389. 80	(0.387, **0.587**) . . ., 1.038, **1.243,** 1.490, 1.695	2329. 71	(0.000*w*) 0.802*A*
2440. 26	(0.315) 1.083, **1.285**, 1.490	2389. 25	(0.000*WD*) 0.765*A*	2328. 12	(0.00) 1.63†
2440. 05	(0.206) 1.234	2388. 70	(0.000) 0.891	2322. 50	(0.000) 1.070
2438. 57	(0.000) 1.018	2386. 96	(0.000) 1.054	2316. 48	(0.000) 0.916
2435. 94	(0.226) 0.468, **0.615,** 0.767	2386. 07	(0.000) 1.057	2315. 63	(0.000) 0.969
2433. 97	(0.354) **0.295,** 1.098	2383. 37	(**0.332,** 0.985) 0.850, 1.496, **2.165**	2307. 99	(0.403) 1.062*w*
2430. 27	(**0.176,** 0.536) 0.700, 1.053, **1.374**	2381. 48	(0.459, **0.615**) 0.700, 0.862, **0.998,** 1.205, 1.383	2306. 99	(0.000*w*) 0.942*A*
2429. 39	(0.000*w*) 0.675*A*	2381. 14	(0.315*B*) 1.046*w*	2305. 67	(0.000*wD*) 1.011*A*
				2304. 26	(0.000*w*) 0.907*A*
				2290. 31	P–B
				2289. 89	P–B
				2269. 71	(0.000*w*) 0.949*A*

TABLE 4. *Even terms of* Mo II

Electron configuration	Term symbol	Level	Δν	Observed *g*	Electron configuration	Term symbol	Level	Δν	Observed *g*
$4d^5$	$a\ ^6S_{2½}$	0. 00				$a\ ^4P_{2½}$	15691. 22		1. 595
	$a\ ^6D_{0½}$	11783. 36		3. 301	$4d^5$	$^4P_{1½}$	15699. 16	−7. 94	
	$^6D_{1½}$	12034. 06	250. 70	1. 847		$^4P_{0½}$	15890. 12	−190. 96	
	$^6D_{2½}$	12417. 28	383. 22	1. 635		$a\ ^4D_{0½}$	16796. 14		0. 758
$4d^4\ (a\ ^5D)\ 5s$	$^6D_{3½}$	12900. 33	483. 05	1. 584		$^4D_{1½}$	17174. 10	377. 96	1. 391
	$^6D_{4½}$	13460. 70	560. 37	1. 543	$4d^5$	$^4D_{2½}$	17344. 10	170. 00	1. 433
	$a\ ^4G_{2½}$	15199. 25		0. 61		$^4D_{3½}$	16946. 78	−397. 32	1. 404
	$^4G_{3½}$	15330. 56	131. 31			$a\ ^2D_{2½}$	22444. 36		1. 082
$4d^5$	$^4G_{4½}$	15427. 73	97. 17		$4d^5$	$^2D_{1½}$	22864. 36	−420. 00	0. 688
	$^4G_{5½}$	15446. 97	19. 24			$a\ ^2I_{5½}$	22980. 48		
					$4d^5$	$^2I_{6½}$	23248. 19	267. 71	

TABLE 4. *Even terms of* Mo II—Continued

Electron configuration	Term symbol	Level	$\Delta\nu$	Observed g	Electron configuration	Term symbol	Level	$\Delta\nu$	Observed g
$4d^5$	$a\ ^4F_{4½}$	23832. 86		1. 300	$4d^4\ (a\ ^3P)5s$	$a\ ^2P_{0½}$	32124. 04		0. 672
			−20. 49					2295. 22	
	$^4F_{3½}$	23853. 35		1. 219		$^2P_{1½}$	34419. 26		1. 175
			−81. 01						
	$^4F_{2½}$	23934. 36		1. 018	$4d^5$	$b\ ^2D_{2½}$	32879. 55		1. 213
			−203. 29					−206. 73	
	$^4F_{1½}$	24137. 65		0. 514		$^2D_{1½}$	33086. 28		0. 889
$4d^4\ (a\ ^5D)5s$	$b\ ^4D_{0½}$	24372. 12		0. 058	$4d^4\ (a\ ^3H)5s$	$b\ ^2H_{4½}$	33045. 37		0. 983
			287. 08					555. 70	
	$^4D_{1½}$	24659. 20		1. 194		$^2H_{5½}$	33601. 07		1. 057
			453. 07						
	$^4D_{2½}$	25112. 27		1. 269	$4d^4\ (a\ ^1G)5s$	$b\ ^2G_{3½}$	33146. 30		0. 904
			229. 31					108. 16	
	$^4D_{3½}$	25341. 58		1. 387		$^2G_{4½}$	33254. 46		1. 043
$4d^5$	$a\ ^2F_{3½}$	24509. 30		1. 130	$4d^4\ (a\ ^3D)5s$	$c\ ^4D_{3½}$	33549. 28		1. 406
			−326. 79					−320. 44	
	$^2F_{2½}$	24836. 09		1. 054		$^4D_{2½}$	33869. 72		1. 323
								+344. 56	
$4d^4\ (a\ ^3H)5s$	$a\ ^4H_{3½}$	26041. 18		0. 798		$^4D_{1½}$	33525. 16		1. 230
			446. 97					−369. 90	
	$^4H_{4½}$	26488. 15		0. 984		$^4D_{0½}$	33895. 06		0. 021
			251. 32						
	$^4H_{5½}$	26739. 47		1. 130					
			374. 36		$4d^4\ (a\ ^1I)5s$	$b\ ^2I_{6½}$	35099. 46		1. 053
	$^4H_{6½}$	27113. 83		1. 193				−306. 56	
$4d^5$	$a\ ^2G_{4½}$	26068. 60		1. 065		$^2I_{5½}$	35406. 02		
			−337. 01						
	$^2G_{3½}$	26405. 61		0. 785	$4d^4\ (a\ ^3F)5s$	$c\ ^2F_{2½}$	36288. 80		0. 913
								452. 50	
$4d^4\ (a\ ^3P)5s$	$b\ ^4P_{0½}$	26603. 55		2. 530		$^2F_{3½}$	36741. 30		1. 065
			1024. 00						
	$^4P_{1½}$	27627. 55		1. 700	$4d^4\ (a\ ^3G)5s$	$c\ ^2G_{3½}$	37431. 45		0. 927
			1394. 57					622. 43	
	$^4P_{2½}$	29022. 12		1. 574		$^2G_{4½}$	38053. 88		1. 105
$4d^5$	$b\ ^2F_{3½}$	27410. 30		1. 148	$4d^4\ (a\ ^1D)5s$	$c\ ^2D_{1½}$	39243. 45		0. 800
			−468. 59					669. 50	
	$^2F_{2½}$	27878. 89		0. 900		$^2D_{2½}$	39912. 95		1. 203
$4d^5$	$a\ ^2H_{5½}$	27627. 00		1. 086	$4d^4\ (a\ ^3D)5s$	$d\ ^2D_{2½}$	41421. 34		
			−97. 69					−120. 66	
	$^2H_{4½}$	27724. 69		0. 987		$^2D_{1½}$	41542. 00		0. 761
$4d^4\ (a\ ^3F)5s$	$b\ ^4F_{1½}$	28883. 69		0. 529	$4d^4\ (a\ ^1S)5s$	$b\ ^2S_{0½}$	41873. 66		1. 993
			−6. 87						
	$^4F_{2½}$	28876. 82		1. 035	$4d^5$	$d\ ^2G_{3½}$	42169. 30		
			112. 14					137. 32	
	$^4F_{3½}$	28988. 96		1. 135		$^2G_{4½}$	42306. 62		
			45. 21						
	$^4F_{4½}$	29034. 17		1. 278	$4d^4\ (a\ ^1F)5s$	$d\ ^2F_{2½}$	42925. 34		
								66. 84	
$4d^5$	$a\ ^2S_{0½}$	28950. 36		1. 968		$^2F_{3½}$	42992. 18		1. 085
$4d^4\ (a\ ^3G)5s$	$b\ ^4G_{2½}$	29699. 32		0. 758	$4d^4\ (b^3\ F)5s$	$c\ ^4F_{1½}$			
			320. 04			$^4F_{2½}$			
	$^4G_{3½}$	30019. 36		1. 059		$^4F_{3½}$			
			194. 10			$^4F_{4½}$	44212. 16		
	$^4G_{4½}$	30213. 46		1. 192					
			177. 82						
	$^4G_{5½}$	30391. 28		1. 268					

TABLE 5. *Odd terms of* Mo II

Electron configuration	Term symbol	Level	Δν	Observed g
$4d^4\ (a\ ^5D)5p$	$z\ ^6F^\circ_{0½}$	45853. 08		−0. 650
			295. 04	
	$^6F^\circ_{1½}$	46148. 12		1. 072
			466. 02	
	$^6F^\circ_{2½}$	46614. 14		1. 305
			617. 84	
	$^6F^\circ_{3½}$	47231. 98		1. 375
			767. 49	
	$^6F^\circ_{4½}$	47999. 47		1. 415
			960. 21	
	$^6F^\circ_{5½}$	48959. 68		
$4d^4\ (a\ ^5D)5p$	$z\ ^4P^\circ_{0½}$	47208. 36		2. 779
			814. 09	
	$^4P^\circ_{1½}$	48022. 45		1. 818
			838. 12	
	$^4P^\circ_{2½}$	48860. 57		1. 742
$4d^4\ (a\ ^5D)5p$	$z\ ^6P^\circ_{1½}$	49040. 82		2. 305
			567. 92	
	$^6P^\circ_{2½}$	49608. 74		1. 718
			−127. 70	
	$^6P^\circ_{3½}$	49481. 04		1. 672
$4d^4\ (a\ ^5D)5p$	$z\ ^6D^\circ_{0½}$	49949. 45		3. 155
			242. 55	
	$^6D^\circ_{1½}$	50192. 00		1. 802
			385. 36	
	$^6D^\circ_{2½}$	50577. 36		1. 597
			−274. 82	
	$^6D^\circ_{3½}$	50302. 54		1. 552
			402. 98	
	$^6D^\circ_{4½}$	50705. 52		1. 502
$4d^4\ (a\ ^5D)5p$	$z\ ^4F^\circ_{1½}$	51372. 90		0. 412
			359. 49	
	$^4F^\circ_{2½}$	51732. 39		1. 045
			484. 91	
	$^4F^\circ_{3½}$	52217. 30		1. 262
			625. 80	
	$^4F^\circ_{4½}$	52843. 10		1. 362
$4d^4\ (a\ ^5D)5p$	$z\ ^4D^\circ_{0½}$	54238. 80		0. 042
			448. 81	
	$^4D^\circ_{1½}$	54687. 61		1. 197
			528. 24	
	$^4D^\circ_{2½}$	55215. 85		1. 376
			490. 72	
	$^4D^\circ_{3½}$	55706. 57		1. 413
$4d^4\ (a\ ^3P)5p$	$y\ ^4D^\circ_{0½}$	57319. 55		0. 200
			821. 20	
	$^4D^\circ_{1½}$	58140. 75		1. 183
			1207. 19	
	$^4D^\circ_{2½}$	59347. 94		1. 263
			1354. 22	
	$^4D^\circ_{3½}$	60702. 16		1. 305
$4d^4\ (a\ ^3H)5p$	$z\ ^4H^\circ_{3½}$	57892. 06		0. 710
			304. 62	
	$^4H^\circ_{4½}$	58196. 68		0. 960
			564. 27	
	$^4H^\circ_{5½}$	58760. 95		1. 110
			730. 88	
	$^4H_{6½}$	59491. 83		1. 206
$4d^4\ (a\ ^3P)5p$	$z\ ^2S^\circ_{0½}$	58527. 00		1. 651
$4d^4\ (a\ ^3F)5p$	$z\ ^4G^\circ_{2½}$	59053. 32		0. 672
			425. 02	
	$^4G^\circ_{3½}$	59478. 34		0. 923
			748. 66	
	$^4G^\circ_{4½}$	60227. 00		0. 884
			889. 18	
	$^4G^\circ_{5½}$	61116. 18		1. 210
$4d^4\ (a\ ^3H)5p$	$z\ ^4I^\circ_{4½}$	59679. 75		1. 027
			1244. 78	
	$^4I^\circ_{5½}$	60924. 53		0. 936
			723. 23	
	$^4I^\circ_{6½}$	61647. 76		1. 103
			503. 90	
	$^4I^\circ_{7½}$	62151. 66		
$4d^4\ (a\ ^3F)5p$	$z\ ^2D^\circ_{1½}$	59840. 70		0. 862
			1151. 77	
	$^2D^\circ_{2½}$	60992. 47		1. 205
$4d^4\ (a\ ^3H)5p$	$z\ ^2G^\circ_{3½}$	60135. 37		1. 011
			837. 77	
	$^2G^\circ_{4½}$	60973. 14		1. 101
$4d^4\ (a\ ^3P)5p$	$y\ ^4P^\circ_{0½}$	61134. 25		2. 299
			322. 52	
	$^4P^\circ_{1½}$	61456. 77		1. 656
			968. 70	
	$^4P^\circ_{2½}$	62425. 47		1. 185
$4d^4\ (a\ ^3P)5p$	$z\ ^2P^\circ_{1½}$	61746. 58		1. 220
			−349. 47	
	$^2P^\circ_{0½}$	62096. 05		1. 075
$4d^4\ (a\ ^3F)5p$	$x\ ^4D^\circ_{3½}$	62491. 78		1. 252
			149. 51	
	$^4D^\circ_{2½}$	62342. 27		1. 067
			−208. 77	
	$^4D^\circ_{1½}$	62551. 04		0. 707
			−386. 41	
	$^4D^\circ_{0½}$	62937. 45		0. 030
	$1^\circ_{2½}$	62594. 53		1. 14
$4d^4\ (a\ ^3H)5p$	$z\ ^2I^\circ_{5½}$	62728. 35		0. 902
			251. 89	
	$^2I^\circ_{6½}$	62980. 24		1. 091
$4d^4\ (a\ ^3F)5p$	$y\ ^4F^\circ_{1½}$	63002. 58		0. 899
			389. 94	
	$^4F^\circ_{2½}$	63392. 52		1. 002
			−287. 89	
	$^4F^\circ_{3½}$	63104. 63		1. 060
			678. 47	
	$^4F^\circ_{4½}$	63783. 10		
	$2^\circ_{3½}$	63012. 24		1. 186
$4d^4\ (a\ ^3H)5p$	$y\ ^4G^\circ_{2½}$	63041. 47		0. 851
			−123. 53	
	$^4G^\circ_{3½}$	62917. 94		1. 004
			35. 81	
	$^4G^\circ_{4½}$	62953. 75		1. 214
			253. 68	
	$^4G^\circ_{5½}$	63207. 43		1. 272

TABLE 5. *Odd terms of* Mo II—Continued

Electron configuration	Term symbol	Level	$\Delta\nu$	Observed g
$4d^4\ (a\ ^3G)5p$	$y\ ^4H^\circ_{3\frac{1}{2}}$	63298. 23		
			199. 31	0. 933
	$^4H^\circ_{4\frac{1}{2}}$	63497. 54		
			642. 44	1. 024
	$^4H^\circ_{5\frac{1}{2}}$	64139. 98		
			974. 85	1. 166
	$^4H^\circ_{6\frac{1}{2}}$	65114. 83		
$4d^4\ (a\ ^3G)5p$	$z\ ^2F^\circ_{3\frac{1}{2}}$	63876. 68		1. 105
			−517. 96	
	$^2F^\circ_{2\frac{1}{2}}$	64394. 64		0. 802
$4d^4\ (a\ ^3G)5p$	$x\ ^4F^\circ_{1\frac{1}{2}}$	63903. 90		0. 535
			263. 94	
	$^4F^\circ_{2\frac{1}{2}}$	64167. 84		1. 012
			35. 25	
	$^4F^\circ_{3\frac{1}{2}}$	64203. 09		1. 208
			123. 31	
	$^4F^\circ_{4\frac{1}{2}}$	64326. 40		1. 258
$4d^4\ (a\ ^3H)5p$	$z\ ^2H^\circ_{4\frac{1}{2}}$	64130. 22		0. 934
			944. 49	
	$^2H^\circ_{5\frac{1}{2}}$	65074. 71		1. 112
$4d^4\ (a\ ^3P)5p$	$z\ ^4S^\circ_{1\frac{1}{2}}$	64750. 66		1. 926
$4d^4\ (a\ ^3F)5p$	$y\ ^2G^\circ_{3\frac{1}{2}}$	64852. 22		1. 040
			842. 69	
	$^2G^\circ_{4\frac{1}{2}}$	65694. 91		1. 105
$4d^4\ (a\ ^3F)5p$	$y\ ^2F^\circ_{3\frac{1}{2}}$	65260. 95		
			−11. 82	
	$^2F^\circ_{2\frac{1}{2}}$	65272. 77		0. 856
$4d^4\ (a\ ^3G)5p$	$y\ ^2H^\circ_{4\frac{1}{2}}$	65282. 58		
			142. 07	
	$^2H^\circ_{5\frac{1}{2}}$	65424. 65		1. 175
$4d^4\ (a\ ^3P)5p$	$y\ ^2D^\circ_{1\frac{1}{2}}$	65444. 30		0. 769
			638. 01	
	$^2D^\circ_{2\frac{1}{2}}$	66082. 31		1. 166
$4d^4\ (a\ ^3G)5p$	$x\ ^4G^\circ_{2\frac{1}{2}}$	65732. 23		0. 751
			355. 32	
	$^4G^\circ_{3\frac{1}{2}}$	66087. 55		
			303. 91	
	$^4G^\circ_{4\frac{1}{2}}$	66391. 46		
			352. 26	
	$^4G^\circ_{5\frac{1}{2}}$	66743. 72		1. 209
	$3^\circ_{3\frac{1}{2}}$	65831. 24		1. 070
$4d^4\ (a\ ^3D)5p$	$w\ ^4D^\circ_{0\frac{1}{2}}$	66373. 65		
			25. 79	
	$^4D^\circ_{1\frac{1}{2}}$	66399. 44		1. 075
			268. 54	
	$^4D^\circ_{2\frac{1}{2}}$	66667. 98		1. 289
			48. 36	
	$^4D^\circ_{3\frac{1}{2}}$	66716. 34		1. 436
$4d^4\ (a\ ^1G)5p$	$x\ ^2F^\circ_{3\frac{1}{2}}$	67391. 42		1. 130
			−266. 71	
	$^2F^\circ_{2\frac{1}{2}}$	67658. 13		
$4d^4\ (a\ ^3D)5p$	$x\ ^4P^\circ_{2\frac{1}{2}}$	67712. 92		1. 426
			−728. 74	
	$^4P^\circ_{1\frac{1}{2}}$	68441. 66		1. 535
			−608. 09	
	$^4P^\circ_{0\frac{1}{2}}$	69049. 75		2. 410
$4d^4\ (a\ ^3G)5p$	$x\ ^2G^\circ_{3\frac{1}{2}}$	67760. 30		0. 921
			292. 17	
	$^2G^\circ_{4\frac{1}{2}}$	68052. 47		1. 150
$4d^4\ (a\ ^3D)5p$	$w\ ^4F^\circ_{1\frac{1}{2}}$	67821. 60		
			194. 32	
	$^4F^\circ_{2\frac{1}{2}}$	68015. 92		
			163. 78	
	$^4F^\circ_{3\frac{1}{2}}$	68179. 70		
			143. 80	
	$^4F^\circ_{4\frac{1}{2}}$	68323. 50		1. 250
$4d^4\ (a\ ^1I)5p$	$z\ ^2K^\circ_{6\frac{1}{2}}$	67888. 85		0. 933
			1158. 60	
	$^2K^\circ_{7\frac{1}{2}}$	69047. 45		
$4d^4\ (a\ ^1I)5p$	$y\ ^2I^\circ_{5\frac{1}{2}}$	68472. 84		
			435. 76	
	$^3I^\circ_{6\frac{1}{2}}$	68908. 60		
$4d^4\ (a\ ^3D)5p$	$y\ ^2P^\circ_{0\frac{1}{2}}$	68645. 50		0. 768
			257. 30	
	$^2P^\circ_{1\frac{1}{2}}$	68902. 80		1. 420
$4d^4\ (a\ ^3D)5p$	$w\ ^2F^\circ_{2\frac{1}{2}}$	69729. 90		0. 885
			371. 65	
	$^2F^\circ_{3\frac{1}{2}}$	70101. 55		1. 075
$4d^4\ (a\ ^1G)5p$	$x\ ^2H^\circ_{4\frac{1}{2}}$	70003. 84		
			666. 73	
	$^2H^\circ_{5\frac{1}{2}}$	70670. 57		
$4d^4\ (a\ ^1D)5p$	$x\ ^2D^\circ_{2\frac{1}{2}}$	70713. 10		
			−24. 90	
	$^2D^\circ_{1\frac{1}{2}}$	70738. 00		0. 946
$4d^4\ (a\ ^1G)5p$	$w\ ^2G^\circ_{4\frac{1}{2}}$	71011. 20		
			−182. 33	
	$^2G^\circ_{3\frac{1}{2}}$	71193. 53		
$4d^4\ (a\ ^1I)5p$	$w\ ^2H^\circ_{5\frac{1}{2}}$	71546. 56		
			−373. 66	
	$^2H^\circ_{4\frac{1}{2}}$	71920. 22		
$4d^4\ (a\ ^1S)5p$	$x\ ^2P^\circ_{0\frac{1}{2}}$	71966. 30		0. 670
			1252. 67	
	$^2P^\circ_{1\frac{1}{2}}$	73218. 97		1. 082
$4d^4\ (a\ ^3D)5p$	$w\ ^2D^\circ_{1\frac{1}{2}}$	72039. 00		1. 086
			790. 62	
	$^2D^\circ_{2\frac{1}{2}}$	72829. 62		1. 156
$4d^4\ (a\ ^1D)5p$	$v\ ^2F^\circ_{2\frac{1}{2}}$	72484. 19		
			548. 09	
	$^2F^\circ_{3\frac{1}{2}}$	73032. 28		
$4d^4\ (a\ ^1D)5p$	$w\ ^2P^\circ_{0\frac{1}{2}}$	73546. 75		
			503. 62	
	$^2P^\circ_{1\frac{1}{2}}$	74050. 37		1. 289
$4d^4\ (a\ ^1F)5p$	$u\ ^2F^\circ_{2\frac{1}{2}}$	74146. 50		
			345. 04	
	$^2F^\circ_{3\frac{1}{2}}$	74491. 54		
$4d^4\ (b\ ^3F)5p$	$t\ ^2F^\circ_{3\frac{1}{2}}$	74749. 55		
			−176. 62	
	$^2F^\circ_{2\frac{1}{2}}$	74926. 17		

TABLE 5. *Odd terms of* Mo II—Continued

Electron configuration	Term symbol	Level	$\Delta\nu$	Observed g
$4d^4\ (b\ ^3\mathrm{F})5p$	$w\ ^4\mathrm{G}^\circ_{2\frac{1}{2}}$	74858. 86		
			975. 51	
	$^4\mathrm{G}^\circ_{3\frac{1}{2}}$	75834. 37		
			750. 23	
	$^4\mathrm{G}^\circ_{4\frac{1}{2}}$	76584. 60		
			1079. 32	
	$^4\mathrm{G}^\circ_{5\frac{1}{2}}$	77663. 92		
$4d^4\ (b\ ^3\mathrm{P})5p$	$v\ ^2\mathrm{D}^\circ_{1\frac{1}{2}}$	--------		
	$^2\mathrm{D}^\circ_{2\frac{1}{2}}$	75819. 80		
$4d^4\ (b\ ^3\mathrm{P})5p$	$v\ ^4\mathrm{D}^\circ_{0\frac{1}{2}}$	--------		
	$^4\mathrm{D}^\circ_{1\frac{1}{2}}$	--------		
	$^4\mathrm{D}^\circ_{2\frac{1}{2}}$	76206. 57	118. 43	
	$^4\mathrm{D}^\circ_{3\frac{1}{2}}$	76325. 00		
$4d^4\ (a\ ^1\mathrm{F})5p$	$v\ ^2\mathrm{G}^\circ_{4\frac{1}{2}}$	75685. 65		1. 140
	$^2\mathrm{G}^\circ_{3\frac{1}{2}}$	--------		
$4d^4\ (b\ ^3\mathrm{F})5p$	$v\ ^4\mathrm{F}^\circ_{1\frac{1}{2}}$	--------		
	$^4\mathrm{F}^\circ_{2\frac{1}{2}}$	75810. 62?	856. 41	
	$^4\mathrm{F}^\circ_{3\frac{1}{2}}$	76667. 03		
			−29. 65	
	$^4\mathrm{F}^\circ_{4\frac{1}{2}}$	76637. 38		
$4d^4\ (a\ ^1\mathrm{F})5p$	$u\ ^2\mathrm{D}^\circ_{1\frac{1}{2}}$	--------		
	$^2\mathrm{D}^\circ_{2\frac{1}{2}}$	80420. 55		
$4d^4\ (b\ ^3\mathrm{F})5p$	$u\ ^2\mathrm{G}^\circ_{3\frac{1}{2}}$	81526. 97		
			1029. 93	
	$^2\mathrm{G}^\circ_{4\frac{1}{2}}$	82556. 90		
$4d^4\ (b\ ^1\mathrm{G})5p$	$t\ ^2\mathrm{G}^\circ_{4\frac{1}{2}}$	83314. 88		
			−559. 27	
	$^2\mathrm{G}^\circ_{3\frac{1}{2}}$	83874. 15		
$4d^4\ (b\ ^1\mathrm{G})5p$	$v\ ^2\mathrm{H}^\circ_{4\frac{1}{2}}$	83964. 88		
			531. 62	
	$^2\mathrm{H}^\circ_{5\frac{1}{2}}$	84496. 50		
$4d^4\ (b\ ^1\mathrm{G})5p$	$s\ ^2\mathrm{F}^\circ_{3\frac{1}{2}}$	86566. 24		
	$^2\mathrm{F}^\circ_{2\frac{1}{2}}$	--------		
$4d^4\ (b\ ^3\mathrm{F})5p$	$t\ ^2\mathrm{D}^\circ_{2\frac{1}{2}}$	86693. 42		
			−340. 18	
	$^2\mathrm{D}^\circ_{1\frac{1}{2}}$	87033. 60		

TABLE 6. *Theoretical terms of* Mo II

Electron configuration $1s^2\ 2s^2\ 2p^6\ 3s^2\ 3p^6\ 3d^{10}\ 4s^2\ 4p^6+$	Theoretical terms
$4d^5$	^{6}**S** ^{4}(**GD**) ^{4}(**FP**) ^{2}(**IGFDS**) ^{2}(**HGFD**P) ^{2}D
$4d^4\ 5s$	^{6,4}(**D**) ^{4,2}(**HGFDP**) ^{2}(**IGFDS**) ^{4,2}(**F**P) ^{2}(GDS)
$4d^3\ 5s^2$	^{4}(FP) ^{2}(HGFDP) ^{2}D
$4d^4\ 5p$	^{6,4}(**FDP**)° ^{4,2}(**IHG**)° ^{4,2}(**HGF**)° ^{4,2}(**GFD**)° ^{4,2}(**FDP**)° ^{4,2}(**DPS**)° ^{2}(**KIH**)° ^{2}(**HGF**)° ^{2}(**GF**D)° ^{2}(**FDP**)° ^{2}**P**° ^{4,2}(**GF**D)° ^{4,2}(**D**PS)° ^{2}(FDP)° ^{2}(**HGF**)° ^{2}P°

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