

Table 1. Like Table ??, for the FUSE observations.

Ion	Levels		$f$	$W_\lambda /$ mÅ	Wavelength/Å		$v_{\text{rad}} /$ km/s	Comment
	Lower	Upper			Theoretical	Observed		
H I	1	25			913.215			ISM multi-component
H I	1	24			913.339			ISM multi-component
H I	1	23			913.480			ISM multi-component
H I	1	22			913.641			ISM multi-component
H I	1	21			913.826			ISM multi-component
H I	1	20			914.039			ISM multi-component
H I	1	19			914.286			ISM multi-component
H I	1	18			914.576			ISM multi-component
H I	1	17			914.919			ISM multi-component
H I	1	16			915.329			ISM multi-component
N II					915.613			ISM multi-component
H I	1	15			915.834			ISM multi-component
H I	1	14			916.429			ISM multi-component
H I	1	13			917.181			ISM multi-component
H I	1	12			918.129			ISM multi-component
Ge VI	306243	415143	$2.34 \times 10^{-4}$		918.278			
Kr VII	170835	279714.8	$1.39 \times 10^{-1}$	12.2	918.444	918.53	26.4	
H I	1	11			919.351			ISM multi-component
Kr VI	170084	278787	$3.01 \times 10^{-3}$		919.938			
H I	1	10			920.963			ISM multi-component
O IV	2s2p <sup>2</sup> <sup>2</sup> P <sub>1/2</sub>	2p <sup>3</sup> <sup>2</sup> P <sub>3/2</sub> <sup>o</sup>	$5.62 \times 10^{-2}$		921.296			
O IV	2s2p <sup>2</sup> <sup>2</sup> P <sub>1/2</sub>	2p <sup>3</sup> <sup>2</sup> P <sub>1/2</sub> <sup>o</sup>	$1.12 \times 10^{-1}$		921.365			
N IV	2s2p <sup>3</sup> P <sub>0</sub> <sup>o</sup>	2p <sup>2</sup> <sup>3</sup> P <sub>2</sub>	$9.38 \times 10^{-2}$	75.7	921.994	922.07	23.1	
N IV	2s2p <sup>3</sup> P <sub>0</sub> <sup>o</sup>	2p <sup>2</sup> <sup>3</sup> P <sub>1</sub>	$2.25 \times 10^{-1}$	91.6	922.519	922.59	22.8	
N IV	2s2p <sup>3</sup> P <sub>1</sub> <sup>o</sup>	2p <sup>2</sup> <sup>3</sup> P <sub>1</sub>	$5.62 \times 10^{-2}$		923.056			
H I	1	9			923.150			ISM multi-component
N IV	2s2p <sup>3</sup> P <sub>2</sub> <sup>o</sup>	2p <sup>2</sup> <sup>3</sup> P <sub>2</sub>	$1.69 \times 10^{-1}$		923.220			
O IV	2s2p <sup>2</sup> <sup>2</sup> P <sub>3/2</sub>	2p <sup>3</sup> <sup>2</sup> P <sub>3/2</sub> <sup>o</sup>	$1.41 \times 10^{-1}$		923.367			
O IV	2s2p <sup>2</sup> <sup>2</sup> P <sub>3/2</sub>	2p <sup>3</sup> <sup>2</sup> P <sub>1/2</sub> <sup>o</sup>	$2.81 \times 10^{-2}$		923.436			
N IV	2s2p <sup>3</sup> P <sub>0</sub> <sup>o</sup>	2p <sup>2</sup> <sup>3</sup> P <sub>0</sub>	$7.49 \times 10^{-2}$	69.5	923.676	923.75	24.0	
S V	3s3p <sup>1</sup> P <sub>1</sub> <sup>o</sup>	3p <sup>2</sup> <sup>1</sup> S <sub>0</sub>	$1.71 \times 10^{-1}$		924.220			blend with N IV
N IV	2s2p <sup>3</sup> P <sub>2</sub> <sup>o</sup>	2p <sup>2</sup> <sup>3</sup> P <sub>1</sub>	$5.61 \times 10^{-2}$		924.284			blend with S V
Ge VI	303696	411886	$2.34 \times 10^{-4}$		924.302			blend with N IV
Ba VII	226198	334319	$1.27 \times 10^{-3}$		924.892			newly identified
Ba VII	42514	150634	$1.74 \times 10^{-3}$		924.898			newly identified
H I	1	8			926.226			ISM multi-component
Ge VI	303696	411592	$3.63 \times 10^{-1}$		926.824			
Kr VI	0	107836	$1.58 \times 10^{-3}$	16.5	927.334	927.43	31.4	
Xe VI	5p <sup>2</sup> <sup>2</sup> D <sub>3/2</sub>	5p <sup>3</sup> <sup>2</sup> D <sub>3/2</sub> <sup>o</sup>	$3.53 \times 10^{-2}$		928.371			
Xe VI	5p <sup>2</sup> <sup>2</sup> P <sub>3/2</sub>	5p <sup>3</sup> <sup>2</sup> P <sub>3/2</sub> <sup>o</sup>	$4.87 \times 10^{-2}$		929.141			

Table 1. Continued.

Ion	Levels		$f$	$W_\lambda /$ mÅ	Wavelength/Å		$v_{\text{rad}} /$ km/s	Comment
	Lower	Upper			Theoretical	Observed		
O I					929.517			ISM multi-component
Ge VI	313025	420542	$2.44 \times 10^{-1}$		930.082			
Ge VI	306243	413728	$8.07 \times 10^{-4}$		930.366			
H I	1	7			930.748			ISM multi-component
Kr VI	8110	115479	$2.23 \times 10^{-3}$	19.1	931.368	931.43	19.3	
				15.3		931.98		unid.
S VI	3s $^2S_{1/2}$	3p $^2P_{3/2}^o$	$4.36 \times 10^{-1}$	57.9	933.378	933.47	28.9	
O I					936.630			ISM multi-component
Ge IV	190852.5	84102.3	$8.91 \times 10^{-1}$		936.765	936.82	17.6	
Ba VI	36156	142852	$7.40 \times 10^{-3}$		937.241			
Ba VII	15507	122163	$1.08 \times 10^{-2}$		937.595			newly identified
H I	1	6			927.803			ISM multi-component
Ge IV	190601.5	84102.3	$9.89 \times 10^{-2}$		938.973			
Ge V	234219	340296	$8.22 \times 10^{-3}$		942.717			
Ba VII	42514	148547	$3.40 \times 10^{-3}$		943.102			
Kr VI	170084	276011	$3.88 \times 10^{-2}$		944.046			
S VI	$^2S$	$^2P^o$	$2.20 \times 10^{-1}$	59.8	944.523	944.62	29.8	
				14.8		946.06		unid.
Ge VI	306243	411886	$1.28 \times 10^{-1}$		946.589			
Ge VI	303696	409188	$1.15 \times 10^{-1}$		947.937			blend with C IV
C IV	3s $^2S_{1/2}$	4p $^2P_{3/2}^o$	$1.36 \times 10^{-1}$		948.090			
C IV	3s $^2S_{1/2}$	4p $^2P_{1/2}^o$	$6.78 \times 10^{-2}$		948.208			
O I					948.686			ISM multi-component
H I	1	5			949.743			ISM multi-component
P IV	$3s^2 \ ^1S_0$	3p $^1P_1^o$	1.60	33.1	950.655	950.75	30.0	
O I					950.887			ISM multi-component
N I					951.079			ISM multi-component
Ge VI	308657	413728	$1.03 \times 10^{-1}$		951.739			
				40.9		952.90		unid.
Ba VI	23547	128436	$6.95 \times 10^{-3}$	11.0	953.388	953.47	26.4	
N I					953.415			ISM multi-component
N I					953.655			ISM multi-component
N I					953.970			ISM multi-component
						954.45		unid.
N IV	2s2p $^1P_1^o$	2p $^2 \ ^1S_0$	$1.33 \times 10^{-1}$	13.6	955.334	955.41	24.5	
Kr VI	222122	326657	$2.68 \times 10^{-2}$		956.617			
Ge V	235967	340296	$3.17 \times 10^{-2}$		958.509			
He II	2	9	$5.43 \times 10^{-3}$		958.698			
P I					963.800			ISM multi-component
N I					963.990			ISM multi-component

Table 1. Continued.

Ion	Levels		$f$	$W_\lambda /$ mÅ	Wavelength/Å		$v_{\text{rad}} /$ km/s	Comment
	Lower	Upper			Theoretical	Observed		
N I					964.626			ISM multi-component
Kr VI	223040	326657	$1.59 \times 10^{-1}$	25.6	965.093	965.16	21.8	
Ge V	235967	339540	$3.56 \times 10^{-2}$	24.3	965.501	965.59	27.3	
Ge VI	310199	413728	$2.62 \times 10^{-1}$		965.914			
						966.78		unid.
						966.84		unid.
						966.88		unid.
Ge VI	308657	412038	$1.67 \times 10^{-1}$		967.300			newly identified
Xe VI	$5p^2 \ ^2D_{5/2}$	$5p^3 \ ^2D_{3/2}^o$	$1.06 \times 10^{-2}$		967.550			
						968.26		unid.
Ge VI	308657	411886	$1.96 \times 10^{-1}$		968.723			
Kr VI	8110	111193	$4.34 \times 10^{-4}$		970.092			
Ge V	234219	337168	$1.22 \times 10^{-1}$	16.0	971.357	971.41	16.4	
Ge VI	306243	409188	$1.81 \times 10^{-1}$		971.392			blend with Ge v
O I					971.737			ISM multi-component
O I					971.738			ISM multi-component
O I					971.738			ISM multi-component
He II	2	8	$8.04 \times 10^{-3}$		972.111			
D I					972.272			ISM multi-component
H I	1	4			972.537			ISM multi-component
O I					976.448			ISM multi-component
C III					977.020			ISM multi-component
C III	$2s3s \ ^3S_1$	$2p(^2P^o)3d \ ^3P_2^o$	$8.93 \times 10^{-3}$		977.020			
Ge V			$3.56 \times 10^{-3}$		977.798			
N III	$2s2p^2 \ ^2D_{5/2}$	$2p^3 \ ^2D_{3/2}^o$	$9.79 \times 10^{-3}$		979.768			
N III	$2p^2 \ ^2D_{3/2}$	$2p^3 \ ^2D_{3/2}^o$	$1.27 \times 10^{-1}$		979.832			
N III	$2s2p^2 \ ^2D_{5/2}$	$2p^3 \ ^2D_{5/2}^o$	$1.33 \times 10^{-1}$		979.905			
N III	$2s2p^2 \ ^2D_{3/2}$	$2p^3 \ ^2D_{5/2}^o$	$1.44 \times 10^{-2}$		979.969			
Kr VI	222122	324120	$1.31 \times 10^{-1}$	22.7	980.411	980.51	28.7	
C III	$3s \ ^3S_1$	$3d' \ ^3P_2^o$	$8.98 \times 10^{-1}$	24.9	981.462	981.53	20.5	
Ge V	238765	340296	$1.08 \times 10^{-1}$	20.7	984.923	985.00	23.4	
Ge V			$1.13 \times 10^{-3}$		987.064			
As V	$4s \ ^2S_{1/2}$	$4p \ ^2P_{3/2}^o$	$5.28 \times 10^{-1}$	35.7	987.651	987.74	27.0	
Fe I					987.687			ISM multi-component
Ge V	235967	337168	$1.00 \times 10^{-1}$	21.6	988.132	988.22	25.8	
O IV	$3d \ ^4F_{3/2}^o$	$4f \ ^4G_{5/2}$	$7.72 \times 10^{-1}$		988.523			
O IV	$3d \ ^4F_{5/2}^o$	$4f \ ^4G_{7/2}$	$6.89 \times 10^{-1}$		988.573			
O I					988.578			ISM multi-component
Fe V	357329.1	256177.9	$5.88 \times 10^{-1}$		988.619			
O IV	$3d \ ^4F_{7/2}^o$	$4f \ ^4G_{9/2}$	$6.87 \times 10^{-1}$		988.627			

Table 1. Continued.

Ion	Levels		$f$	$W_\lambda /$ mÅ	Wavelength/Å		$v_{\text{rad}} /$ km/s	Comment
	Lower	Upper			Theoretical	Observed		
O I					988.655			ISM multi-component
O IV	3d $^4F_{9/2}$	4f $^4G_{11/2}$	$7.20 \times 10^{-1}$		988.708			
O I					988.773			ISM multi-component
N III	2p $^2P_{1/2}^o$	2s2p $^2D_{3/2}$	$1.23 \times 10^{-1}$	37.0	989.799	989.88	24.8	
Si II					989.873			ISM multi-component
Ge V	234219	335161	$1.13 \times 10^{-1}$	10.8	990.668	990.76	27.5	
N III	2p $^2P_{3/2}^o$	2s2p $^2D_{3/2}$	$1.20 \times 10^{-2}$		991.511			
N III	2p $^2P_{3/2}^o$	2p $^2D_{5/2}$	$1.11 \times 10^{-1}$		991.577			
He II	2	7	$1.27 \times 10^{-2}$		992.363			
Ba VII	21499	122163	$5.38 \times 10^{-3}$	14.2	993.411	993.49	22.6	
Xe VII	5s $^2 S_0$	5p $^3P_1^o$	$2.45 \times 10^{-1}$	26.2	995.511	995.59	24.1	
Mo VI	182404	282826	1.12	12.9	995.806	995.90	28.3	
Xe VII	5p $^2P_{1/2}^o$	5p $^4P_{3/2}$	$5.66 \times 10^{-5}$		996.233			
Se IV				21.7	996.710	996.77	18.0	
P V	3d $^2D_{5/2}$	4p $^2P_{3/2}^o$	$1.50 \times 10^{-1}$	28.5	997.612	997.72	33.4	
				18.5		999.49		unid.
Zn V	231122	331087	$2.69 \times 10^{-2}$		1000.350			uncertain, newly identified
S VI	4d $^2D_{3/2}$	5f $^2F_{5/2}^o$	$6.72 \times 10^{-1}$		1000.372			
Zr V	437678	537502	$1.27 \times 10^{-1}$		1001.765			uncertain
				20.2		1001.99		unid.
C III	3p $^1P_1^o$	6d $^1D_2$	$4.12 \times 10^{-2}$		1001.988			
Zr V	277146	376898	$1.11 \times 10^{-2}$		1002.484			
Kr VI	8110	107836	$3.30 \times 10^{-4}$	16.3	1002.748	1002.82	21.5	
Ge V				33.6	1004.380	1004.49	32.8	
C III	3s $^1S_0$	3d' $^1P_1^o$	$5.49 \times 10^{-2}$		1004.596			
Ge V	238765	338274	$5.41 \times 10^{-2}$	14.0	1004.938	1005.00	18.5	newly identified
Ge V			$5.41 \times 10^{-2}$	15.9	1005.304	1005.39	25.6	
				16.6		1007.15		unid.
Ge V	235967	335161	$1.21 \times 10^{-2}$	11.5	1008.122	1008.21	26.2	
O III	3s $^3P_2^o$	4p $^3D_3$	$5.04 \times 10^{-2}$		1008.384			
				19.6		1008.66		unid.
				20.4		1009.81		unid.
Ga V	236072	335089	$7.80 \times 10^{-2}$		1009.928			
Kr VI	275380	374279	$7.23 \times 10^{-3}$		1011.133			
Mo V	157851	256676	$1.52 \times 10^{-1}$		1011.889			
				8.5		1012.44		unid.
						1013.80		unid.
						1014.01		unid.
Ga V	246093	344668	$2.82 \times 10^{-1}$	11.0	1014.456	1014.55	27.8	
Ga V	246133	344668	$2.86 \times 10^{-2}$		1014.868			

Table 1. Continued.

Ion	Levels		$f$	$W_\lambda /$ mÅ	Wavelength/Å		$v_{\text{rad}} /$ km/s	Comment
	Lower	Upper			Theoretical	Observed		
				13.0		1015.33		unid.
Ga v	231711	330174	$9.59 \times 10^{-2}$		1015.610			
Kr vi	180339	278787	$7.40 \times 10^{-3}$	12.0	1015.765	1015.83	19.2	
C iii	3p $^3P_0^o$	6d $^3D_1$	$4.74 \times 10^{-2}$		1016.340			
C iii	3p $^3P_1^o$	6d $^3D_1$	$1.19 \times 10^{-2}$		1016.399			
C iii	3p $^3P_1^o$	6d $^3D_2$	$3.56 \times 10^{-2}$		1016.399			
C iii	3p $^3P_2^o$	6d $^3D_1$	$4.78 \times 10^{-4}$		1016.534			
C iii	3p $^3P_2^o$	6d $^3D_2$	$7.13 \times 10^{-3}$		1016.534			
C iii	3p $^3P_2^o$	6d $^3D_3$	$3.98 \times 10^{-2}$		1016.534			
Ge v	241935	340296	$1.95 \times 10^{-1}$	27.9	1016.668	1016.77	30.1	
				10.0		1017.21		unid.
Xe vi	5p <sup>2</sup> $^2P_{1/2}$	5p <sup>3</sup> $^4S_{3/2}$	$1.88 \times 10^{-3}$		1017.265			
Zn v	231831	330069	$3.36 \times 10^{-2}$		1017.935			newly identified
				32.7		1018.13		unid.
				20.3		1018.57		unid.
Ga v	246133	344200	$3.07 \times 10^{-1}$		1019.711			
				9.1		1021.49		unid.
				19.0		1021.73		unid.
He ii	2	6	$2.21 \times 10^{-2}$		1025.272			
D i					1025.440			ISM multi-component
H i	1	3			1025.722			ISM multi-component
				9.9		1027.13		unid.
As v	4s $^2S_{1/2}$	4p $^2P_{1/2}^o$	$2.53 \times 10^{-1}$	36.1	1029.480	1029.54	17.5	
Zn v	231997	329085	$4.38 \times 10^{-2}$		1029.992			
P iv	3p $^3P_1^o$	3p <sup>2</sup> $^3P_1$	$1.20 \times 10^{-1}$	21.8	1030.517	1030.59	21.2	
						1031.22		unid.
						1031.42		unid.
O vi	2s $^2S_{1/2}$	2p $^2P_{3/2}^o$	$1.33 \times 10^{-1}$		1031.912			
O vi					1031.926			ISM multi-component
Zn v	221631	318436	$9.66 \times 10^{-3}$		1033.009			blend with Ge v, newly identified
Ge v	238765	335560	$6.96 \times 10^{-2}$		1033.107			blend with Zn v, newly identified
Ge v			$6.96 \times 10^{-2}$		1033.428			blend with Ca iii
Ca iii	277380.86	374143.84	$1.03 \times 10^{-5}$	12.4	1033.453	1033.52	19.4	blend with Ge v
				17.1		1034.18		unid.
				16.2		1034.60		unid.
Ge v	234219	330791	$1.01 \times 10^{-3}$		1035.504			
Zn v	231831	328369	$1.25 \times 10^{-2}$		1035.859			
Zn v	285885	382420	$5.02 \times 10^{-2}$		1035.887			
N iv	3d $^3D_3$	4f $^3F_4^o$	$8.56 \times 10^{-1}$		1036.119			
N iv	3d $^3D_2$	4f $^3F_3^o$	$8.28 \times 10^{-1}$		1036.149			

Table 1. Continued.

Ion	Levels		$f$	$W_\lambda /$ mÅ	Wavelength/Å		$v_{\text{rad}} /$ km/s	Comment
	Lower	Upper			Theoretical	Observed		
N IV	3d $^3D_1$	4f $^3F_2^0$	$9.33 \times 10^{-1}$		1036.196			
N IV	3d $^3D_2$	4f $^3F_2^0$	$1.05 \times 10^{-1}$		1036.237			
N IV	3d $^3D_3$	4f $^3F_3^0$	$7.53 \times 10^{-2}$		1036.239			
C II					1036.337			ISM multi-component
C II					1037.018			ISM multi-component
O VI	2s $^2S_{1/2}$	2p $^2P_{1/2}^0$	$6.60 \times 10^{-2}$	21.0	1037.613	1037.24	30.9	unid.
O VI				35.3	1037.617	1037.72		ISM multi-component
Ge v	241935	338274	$1.45 \times 10^{-1}$	42.3	1038.430	1038.49	17.3	
Mo VI	187331	283611	$9.73 \times 10^{-1}$		1038.640			blend with Zn v
Ga v	214000	310267	$4.38 \times 10^{-2}$		1038.778			blend with Mo VI, newly identified
O I					1039.230	1038.95		unid.
Ge VI	313025	409188	$3.69 \times 10^{-2}$		1039.892			ISM multi-component
S v	3s3d $^1D_2$	3p3d $^1F_3^0$	$3.41 \times 10^{-1}$	21.0	1039.916	1040.02	30.0	blend with S v
O III	2p $^3$ $^1P_1^0$	3p $^1D_2$	$2.42 \times 10^{-2}$		1040.320			blend with Ge VI
Zn v	286575	382420	$2.54 \times 10^{-1}$	35.4		1041.03		unid.
				16.2		1041.32		unid.
				9.8	1043.353	1043.44	25.0	
				9.4		1043.80		unid.
Sn IV				19.2	1044.490	1044.56	20.1	
Kr VI	180339	276011	$5.24 \times 10^{-2}$		1045.238			
O IV	3p $^2P_{1/2}^0$	4s $^2S_{1/2}$	$9.21 \times 10^{-2}$		1045.364			
Ge v	234219	329848	$3.93 \times 10^{-1}$	62.5	1045.713	1045.81	27.8	
O IV	3p $^3P_{3/2}^0$	4s $^2S_{1/2}$	$9.19 \times 10^{-2}$	29.3	1046.313	1046.39	22.1	
Zn v	222940	318436	$2.65 \times 10^{-2}$		1047.164	1047.02		unid.
								uncertain, blend with Mo VI, newly identified
Mo VI	187331	282826	$1.07 \times 10^{-1}$		1047.182			blend with Zn v
Ga v	242026	337491	$1.31 \times 10^{-1}$		1047.504			blend with O IV, newly identified
O IV	3s $^2S_{1/2}$	2s2p( $^3P^0$ )3s $^2P_{3/2}^0$	$2.89 \times 10^{-2}$		1047.590			blend with Ga v
Ge v	464652	560097	$1.18 \times 10^{-1}$		1047.730			newly identified
Ar I					1048.220			ISM multi-component
Ge v	464077	559463	$2.43 \times 10^{-1}$		1048.371			blend with Zn v, newly identified
Zn v	285523	380902	$1.01 \times 10^{-1}$		1048.448			blend with Ge v, newly identified
						1048.59		unid.
				16.9		1048.97		unid.
Ge v	241935	337168	$1.55 \times 10^{-1}$	34.5	1050.057	1050.14	23.7	
Ga v	210052	305249	$1.95 \times 10^{-1}$		1050.453			blend with O IV
O IV	3s $^2S_{1/2}$	2s2p( $^3P^0$ )3s $^2P_{1/2}^0$	$1.44 \times 10^{-2}$		1050.505			blend with Ga v

Table 1. Continued.

Ion	Levels		$f$	$W_\lambda /$ mÅ	Wavelength/Å		$v_{\text{rad}} /$ km/s	Comment
	Lower	Upper			Theoretical	Observed		
As v				14.4		1051.18		unid.
Kr vi	183817	278787	$4.76 \times 10^{-3}$	12.8	1052.964	1051.600 1053.04 1053.24	25.7 21.6	
Zr vi	427119	522036	$2.20 \times 10^{-1}$		1053.548			
Ge v	235967	330791	$8.93 \times 10^{-2}$		1054.590			
Zn v	221631	316339	$5.31 \times 10^{-2}$	30.4	1055.878	1055.95	20.4	
Se vi				10.7	1056.980	1057.05	19.9	
Ga v	212121	306628	$1.65 \times 10^{-1}$		1058.123			blend with Zn v
Zn v	198962	293463	$6.01 \times 10^{-3}$		1058.185			blend with Ga v, newly identified
				7.9		1059.39		unid.
				28.8		1060.70		unid.
C iv	4p $^2P_{3/2}^o$	10d $^2D_{3/2}$	$1.30 \times 10^{-3}$		1060.740			
C iv	4p $^2P_{3/2}^o$	10d $^2D_{5/2}$	$1.17 \times 10^{-2}$		1060.740			
Kr vi	183817	278062	$6.58 \times 10^{-2}$	25.6	1061.064	1061.16	27.1	
O iv	2s2p( $^3P^o$ )3d $^4D_{1/2}^o$	2s2p( $^3P^o$ )4f $^4F_{3/2}$	$7.40 \times 10^{-1}$		1061.780			
Zn v	221631	315801	$1.40 \times 10^{-2}$		1061.914			newly identified
O iv	2s2p( $^3P^o$ )3d $^4D_{5/2}^o$	2s2p( $^3P^o$ )4f $^4F_{7/2}$	$6.02 \times 10^{-1}$		1062.133			
O iv	2s2p( $^3P^o$ )3d $^4D_{7/2}^o$	2s2p( $^3P^o$ )4f $^4F_{9/2}$	$6.60 \times 10^{-1}$		1062.271			
Ga v	236072	330174	$2.58 \times 10^{-1}$	13.9	1062.677	1062.75	20.6	
Ge v	464853	558877	$8.57 \times 10^{-1}$		1063.554			
Ga v	231711	325713	$3.82 \times 10^{-2}$		1063.807			newly identified
Zn v	222042	316029	$8.15 \times 10^{-2}$		1063.979			
Se vi				25.3	1064.620	1064.71	25.3	
Zr vi	421258	515171	$4.55 \times 10^{-1}$		1064.818			
				24.7		1065.43		unid.
				41.8		1065.69		unid.
Si iv	3d $^2D_{5/2}$	4f $^2F_{5/2}^o$	$4.34 \times 10^{-2}$	64.5	1066.636	1066.74	29.2	
O iv	3d $^2D_{3/2}$	4f $^2F_{5/2}^o$	$7.97 \times 10^{-1}$		1067.768			
O iv	3d $^2D_{5/2}$	4f $^2F_{7/2}^o$	$7.59 \times 10^{-1}$		1067.832			
O iv	3d $^2D_{5/2}$	4f $^2F_{5/2}^o$	$3.80 \times 10^{-2}$		1067.958			
Zn v	221631	315239	$5.19 \times 10^{-2}$		1068.284			
Ge v	234219	327891	$6.53 \times 10^{-2}$	25.4	1068.430	1068.53	28.1	
Zr v	378753	472338	$1.68 \times 10^{-1}$		1068.551			blend with Ga v
Ga v	232968	326549	$1.61 \times 10^{-1}$		1068.593			blend with Zr v
Ga v	242026	335605	$1.65 \times 10^{-2}$		1068.616			
Ge v	241935	335560	$8.73 \times 10^{-2}$	27.8	1069.130	1069.23	28.0	
Ge v	461829	555337	$5.02 \times 10^{-1}$		1069.420			blend with Ga v
Ga v	235609	329103	$2.87 \times 10^{-1}$		1069.587			blend with Ge v, newly identified

Table 1. Continued.

Ion	Levels		$f$	$W_\lambda /$ mÅ	Wavelength/Å		$v_{\text{rad}} /$ km/s	Comment
	Lower	Upper			Theoretical	Observed		
Zn v	235599	329085	$7.85 \times 10^{-2}$		1069.674			blend with Ga v
Ge v	461815	555299	$6.07 \times 10^{-1}$		1069.703			
Zn v	231997	325476	$3.03 \times 10^{-2}$		1069.764			
Ge v	461829	555299	$1.10 \times 10^{-1}$		1069.859			
				6.2		1070.81		unid.
				19.0		1071.04		unid.
Ga v	235752	329112	$2.75 \times 10^{-1}$		1071.123			
Ga v	235752	329108	$2.34 \times 10^{-1}$		1071.168			
Te vi				65.0	1071.400	1071.51	30.8	blend with Zn v
Zn v	221631	314958	$3.27 \times 10^{-2}$		1071.501			blend with Te vi
Ge v	461418	554658	$9.97 \times 10^{-1}$	17.1	1072.495	1072.59	26.6	
Ge v	241935	335161	$2.52 \times 10^{-1}$	41.4	1072.661	1072.76	27.7	
Zn v	222042	315239	$2.14 \times 10^{-1}$	24.8	1072.992	1073.04		
Ga v	212121	305249	$1.22 \times 10^{-1}$		1073.791			
Zn v	222940	316029	$6.35 \times 10^{-2}$		1074.241			
Ge v	461643	554690	$9.68 \times 10^{-1}$		1074.719			
						1074.93		unid.
Zn v	240446	333455	$3.01 \times 10^{-1}$		1075.171			
Zn v	222042	314958	$1.95 \times 10^{-2}$		1076.239			
				21.3		1076.44		unid.
				20.9		1076.80		unid.
Zn v	222940	315801	$1.56 \times 10^{-1}$		1076.878			
Xe vii	5p $^1P_1^o$	5p <sup>2</sup> $^1D$	$8.10 \times 10^{-1}$	26.1	1077.120	1077.22	27.8	
Ga v	231711	324407	$2.96 \times 10^{-1}$		1078.795			newly identified
O iv	3p $^2P_{3/2}^o$	2s2p( $^3P^o$ )3p $^2D_{5/2}$	$5.18 \times 10^{-2}$		1079.056			
Ga v	214000	306628	$1.56 \times 10^{-1}$		1079.587			
Ga v	215237	307864	$2.23 \times 10^{-1}$		1079.599			
Ga v	231711	324314	$1.29 \times 10^{-2}$		1079.879			
Xe vi	5p $^2P_{1/2}^o$	5p <sup>2</sup> $^4P_1$	$1.90 \times 10^{-3}$	20.0	1080.077	1080.16	23.0	
Zn v	232946	325476	$6.65 \times 10^{-2}$		1080.735			newly identified
O iv	3d $^2D_{3/2}^o$	4f $^2F_{5/2}$	$7.33 \times 10^{-1}$		1080.967			
O iv	3d $^2D_{5/2}^o$	4f $^2F_{7/2}$	$6.98 \times 10^{-1}$		1080.969			
O iv	3p $^2P_{1/2}^o$	4p $^2D_{3/2}$	$5.77 \times 10^{-2}$		1081.024			
N ii					1083.994			ISM multi-component
He ii	2	5	$4.47 \times 10^{-2}$		1084.942			
						1086.60		unid.
Ge v	238765	330791	$3.18 \times 10^{-1}$		1086.653			
Ge v	235967	327891	$3.03 \times 10^{-1}$	27.0	1087.855	1087.95	26.2	
Zn v	235730	327581	$2.87 \times 10^{-1}$		1088.709			newly identified
Sn v					1089.350	1089.42	19.2	



Table 1. Continued.

Ion	Levels		$f$	$W_\lambda /$ mÅ	Wavelength/Å		$v_{\text{rad}} /$ km/s	Comment
	Lower	Upper			Theoretical	Observed		
Ge v	235967	327753	$1.42 \times 10^{-1}$		1089.491			
Zn v	260880	352553	$2.98 \times 10^{-1}$		1090.831			
Xe vi	5p $^2P^{\circ}_{3/2}$	5p <sup>2</sup> $^4P_5$	$2.47 \times 10^{-3}$		1091.632			blend with Ga v
Ga v	221488	313088	$2.70 \times 10^{-1}$		1091.703			blend with Xe vi
Ge v	238765	330333	$1.01 \times 10^{-1}$		1092.089			
O iv	3d $^2D_{5/2}$	2s2p( $^3P^{\circ}$ )3d $^2F^{\circ}_{7/2}$	$3.78 \times 10^{-2}$		1093.774			
Zn v	236969	328369	$2.86 \times 10^{-1}$	22.6		1094.00		unid.
				33.6		1094.088		
						1094.23		unid.
Ga v	218301	309679	$1.73 \times 10^{-1}$		1094.355			
Ni vi	347278.5	438639.4	$2.27 \times 10^{-1}$		1094.560			
Se v				36.4	1094.680	1094.79	30.1	
Ga v	232968	324314	$6.28 \times 10^{-2}$		1094.739			
Ga v	218301	309616	$1.81 \times 10^{-1}$		1095.110			newly identified
Ge v	464077	555337	$1.53 \times 10^{-2}$		1095.769			
Zn v	285885	377144	$4.69 \times 10^{-2}$		1095.774			blend with Ge v
Zn v	235730	326987	$2.94 \times 10^{-2}$		1095.797			
Zn v	239843	331087	$1.30 \times 10^{-1}$		1095.961			
						1096.28		unid.
O iv	3d $^2D_{3/2}$	2s2p( $^3P^{\circ}$ )3d $^2F^{\circ}_{5/2}$	$3.95 \times 10^{-2}$		1096.359			
Ge v	464706	555852	$7.69 \times 10^{-1}$		1097.134			
Zn v	235599	326664	$3.51 \times 10^{-2}$		1098.108			newly identified
				15.8		1099.02		unid.
Zr vi	427119	518062	$8.55 \times 10^{-1}$		1099.591			
				11.6		1099.85		unid.
Ga v	243053	333929	$4.24 \times 10^{-1}$		1100.401			newly identified
Ge v	469686	560547	$9.01 \times 10^{-1}$	20.2	1100.585	1100.66	20.4	
Mo v	146977	237760	$2.05 \times 10^{-1}$		1101.530			
Ga v	246133	336909	$2.07 \times 10^{-1}$		1101.613			
Mo v	151195	241965	$2.02 \times 10^{-2}$		1101.690			
Xe vi	5p <sup>2</sup> $^2P_{1/2}$	5p <sup>3</sup> $^2D^{\circ}_{3/2}$	$1.88 \times 10^{-3}$		1101.940			
						1102.26		unid.
Ga v	242026	332707	$2.39 \times 10^{-1}$		1102.767			
Ga v	210052	300730	$1.12 \times 10^{-1}$		1102.803			
Ga v	212121	302779	$1.34 \times 10^{-1}$		1103.047			
				7.5		1103.37		unid.
				6.4		1103.56		unid.
Zn v	236969	327581	$2.67 \times 10^{-2}$		1103.598			newly identified
Zn v	291107	381670	$2.70 \times 10^{-1}$	34.7	1104.199	1104.29	24.2	newly identified
Ga v	221488	311991	$1.35 \times 10^{-1}$		1104.936			

Table 1. Continued.

Ion	Levels		$f$	$W_\lambda /$ mÅ	Wavelength/Å		$v_{\text{rad}} /$ km/s	Comment
	Lower	Upper			Theoretical	Observed		
Ga v	236072	326549	$3.18 \times 10^{-2}$		1105.253			
Ni v	229413	319860.4	$3.02 \times 10^{-4}$		1105.615			blend with Ga v
Ga v	242026	332473	$3.45 \times 10^{-1}$		1105.620			blend with Ni v
C iv					1106.330			forbidden C iv component
C iv					1106.770			forbidden C iv component
C iv	3p $^2P_{1/2}^o$	4d $^2D_{3/2}$	$5.41 \times 10^{-1}$		1107.591			
C iv	3p $^2P_{3/2}^o$	4d $^2D_{5/2}$	$4.86 \times 10^{-1}$		1107.930			
C iv	3p $^2P_{3/2}^o$	4d $^2D_{3/2}$	$5.41 \times 10^{-2}$		1107.979			
Zn v	221631	311796	$1.53 \times 10^{-1}$		1109.078			
Zn v	230614	320772	$5.16 \times 10^{-2}$		1109.166			
Zn v	232946	322969	$2.06 \times 10^{-2}$		1110.821			weak
Zn v	256235	346201	$1.14 \times 10^{-1}$		1111.530			
Zn v	255763	345723	$2.37 \times 10^{-1}$		1111.603			
Zn v	255763	345624	$1.46 \times 10^{-1}$		1112.829			
						1114.19		unid.
Zn v	221631	311359	$2.16 \times 10^{-1}$		1114.482			
Zn v	255482	345146	$1.29 \times 10^{-1}$		1115.266			
Ga v	236072	325713	$1.91 \times 10^{-1}$		1115.561			
Zn v	237032	326664	$2.83 \times 10^{-3}$		1115.668			
Zn v	227195	316827	$1.34 \times 10^{-1}$		1115.680			newly identified
Zn v	256235	345791	$3.51 \times 10^{-1}$		1116.630			
Zn v	198962	288500	$3.70 \times 10^{-1}$		1116.842			blend with Ge v
Ge v	234219	323749	$1.97 \times 10^{-1}$		1116.949			blend with Zn v
				11.3		1117.37		unid.
Zn v	256235	345723	$4.53 \times 10^{-2}$	17.3	1117.466	1117.55	22.5	newly identified
S vi	4f $^2F_{5/2}^o$	5g $^2G_{7/2}$	1.34		1117.756			
S vi	4f $^2F_{7/2}^o$	5g $^2G_{7/2}$	$3.78 \times 10^{-2}$		1117.756			
S vi	4f $^2F_{7/2}^o$	5g $^2G_{9/2}$	1.30		1117.756			
P v	3s $^2S_{1/2}$	3p $^2P_{3/2}^o$	$4.50 \times 10^{-1}$	95.6	1117.976	1118.06	22.5	
P v					1117.977			ISM multi-component
Zr vi	440555	529945	$9.37 \times 10^{-1}$		1118.689			
Zr v	382985	472338	$1.42 \times 10^{-1}$		1119.158			uncertain
						1119.31		unid.
						1119.68		unid.
Zn v	255482	344771	$2.05 \times 10^{-1}$		1119.950			
Zn v	232946	322224	$8.00 \times 10^{-2}$		1120.101			blend with Zn v
I vi					1120.300			blend with I vi
Zn v	226334	315594	$2.23 \times 10^{-1}$		1120.325			blend with I vi
Zn v	239843	329085	$4.82 \times 10^{-2}$		1120.545			newly identified
				24.2		1120.95		unid.

Table 1. Continued.

Ion	Levels		$f$	$W_\lambda /$ mÅ	Wavelength/Å		$v_{\text{rad}} /$ km/s	Comment
	Lower	Upper			Theoretical	Observed		
Zn v	230435	319632	$1.26 \times 10^{-1}$		1121.109			
Zn v	235903	325068	$8.18 \times 10^{-2}$		1121.524			weak
Ge v			$9.44 \times 10^{-2}$		1122.001			blend with S v, very weak
S v	3s3d $^3D_3$	3p3d $^3F_4^0$	$1.73 \times 10^{-1}$		1122.031			blend with Ge v
						1122.24		unid.
Si iv	3p $^2P_{1/2}^0$	3d $^2D_{3/2}$	$8.07 \times 10^{-1}$	43.7	1122.485	1122.59	28.0	
Zn v	240446	329533	$1.62 \times 10^{-1}$		1122.502			blend with Si iv
				13.2		1122.79		unid.
Zn v	230435	319472	$3.03 \times 10^{-2}$		1123.127			blend with Ga v
Ga v	215237	304272	$2.81 \times 10^{-1}$	16.8	1123.154	1123.26	28.3	
						1123.70		unid.
Ge v	238765	327753	$3.83 \times 10^{-2}$		1123.746			
Zn v	221631	310519	$1.36 \times 10^{-1}$		1125.019			
Zn v	228335	317220	$1.72 \times 10^{-1}$		1125.048			
Zn v	231997	320871	$6.18 \times 10^{-3}$		1125.182			newly identified
Ge v	241935	330791	$1.29 \times 10^{-2}$		1125.424			
C III	3d $^3D_1$	6f $^3F_2^0$	$8.13 \times 10^{-2}$		1125.629			
C III	3d $^3D_2$	6f $^3F_3^0$	$7.22 \times 10^{-2}$		1125.639			
C III	3d $^3D_2$	6f $^3F_2^0$	$9.19 \times 10^{-3}$		1125.643			
C III	3d $^3D_3$	6f $^3F_4^0$	$7.46 \times 10^{-2}$		1125.670			
Mo v	240878	329714	$5.57 \times 10^{-1}$		1125.672			
C III	3d $^3D_3$	6f $^3F_3^0$	$6.57 \times 10^{-3}$		1125.675			
C III	3d $^3D_3$	6f $^3F_2^0$	$1.49 \times 10^{-4}$		1125.679			
Mo v	148949	237760	$5.53 \times 10^{-1}$		1125.988			
Ga v	214000	302779	$2.05 \times 10^{-1}$	27.0	1126.393	1126.50	28.5	
Ga v	235609	324314	$3.96 \times 10^{-2}$		1127.332			
Ga v	215237	303911	$1.41 \times 10^{-1}$		1127.726			
Ga v	246093	334765	$3.63 \times 10^{-1}$	10.8	1127.752	1127.85	26.1	
P v	3s $^2S_{1/2}$	3p $^2P_{1/2}^0$	$2.21 \times 10^{-1}$		1128.006			blend with Ga v
P v					1128.008			ISM multi-component
Ga v	218301	306947	$3.07 \times 10^{-1}$		1128.082			blend with P v
Si iv	3p $^2P_{3/2}^0$	3d $^2D_{5/2}$	$7.25 \times 10^{-1}$	53.4	1128.340	1128.45	29.2	
Ga v	212121	300730	$1.94 \times 10^{-1}$	9.6	1128.554	1128.65	25.5	
S v	3d $^3D_2$	3d $^3F_3^0$	$1.74 \times 10^{-1}$	12.1	1128.699	1128.80	26.8	
S v	3d $^3D_3$	3d $^3F_3^0$	$1.55 \times 10^{-2}$		1128.812			
Zn v	255482	344070	$5.38 \times 10^{-2}$		1128.813			newly identified
				8.8		1129.07		unid.
						1129.45		unid.
Zn v	226334	314838	$4.16 \times 10^{-2}$		1129.898			blend with Ga v
Ga v	214000	302499	$1.75 \times 10^{-1}$		1129.956			blend with Zn v

Table 1. Continued.

Ion	Levels		$f$	$W_\lambda /$ mÅ	Wavelength/Å		$v_{\text{rad}} /$ km/s	Comment
	Lower	Upper			Theoretical	Observed		
Zn v	228335	316827	$9.66 \times 10^{-2}$		1130.051			
Zn v	222042	310519	$1.55 \times 10^{-1}$	7.1	1130.242	1130.34	26.0	
Ni vi	330141	418553.6	$3.12 \times 10^{-1}$		1131.061			
Zn v	227195	315594	$6.70 \times 10^{-2}$		1131.242			
Ga v	231711	320093	$2.30 \times 10^{-1}$		1131.452			newly identified
Zn v	222940	311296	$1.33 \times 10^{-1}$		1131.788			
Zn v	231122	319472	$1.29 \times 10^{-1}$		1131.863			
Zn v	208715	297033	$1.40 \times 10^{-1}$		1132.271			
Zn v	235599	323886	$3.93 \times 10^{-1}$		1132.659			
Sn v					1132.790	1132.92	34.4	
Zn v	200644	288903	$3.36 \times 10^{-1}$		1133.031			
Zn v	228335	316586	$2.11 \times 10^{-1}$		1133.128			
Zn v	241829	330069	$3.40 \times 10^{-1}$		1133.278			
Zn v	222042	310265	$1.66 \times 10^{-1}$		1133.498			
S v	3s3d $^3D_1$	3p3d $^3F_2^o$	$1.84 \times 10^{-1}$		1133.901			
S v	3s3d $^3D_2$	3p3d $^3F_2^o$	$2.19 \times 10^{-2}$		1133.973			
N ii					1134.165			ISM multi-component
N ii					1134.415			ISM multi-component
N ii					1134.980			ISM multi-component
Zn v	208715	296796	$1.50 \times 10^{-2}$		1135.324			
Zn v	200644	288704	$4.32 \times 10^{-2}$		1135.588			
Ga v	212121	300144	$1.98 \times 10^{-1}$		1136.067			
Zn v	228335	316339	$7.85 \times 10^{-2}$		1136.311			blend with Xe vi, newly identified
Xe vi	5d $^2D_{5/2}$	6p $^2P_{3/2}^o$	$1.91 \times 10^{-1}$		1136.410			blend with Zn v
Zn v	198962	286943	$4.06 \times 10^{-2}$		1136.603			
Zn v	201973	289925	$4.03 \times 10^{-2}$		1136.986			
				18.9		1137.33		unid.
Zn v	235730	323632	$5.74 \times 10^{-2}$		1137.625			
Mo v	151195	239069	$2.98 \times 10^{-1}$		1137.995			
Mo v	151213	239069	$2.30 \times 10^{-1}$		1138.229			blend with Zn v
Zn v	201973	289827	$3.67 \times 10^{-1}$	36.1	1138.248	1138.35	26.9	blend with Mo v
Zn v	256235	344070	$1.72 \times 10^{-1}$		1138.497			
Zn v	210973	298801	$1.93 \times 10^{-2}$		1138.586			newly identified
Zn v	230614	318436	$2.59 \times 10^{-2}$		1138.671			newly identified
Zn v	202929	290731	$4.08 \times 10^{-3}$		1138.933			newly identified
Zn v	231831	319632	$3.28 \times 10^{-3}$		1138.937			newly identified
Ge v	235967	323749	$9.14 \times 10^{-3}$		1139.187			blend with Zn v
Zn v	202929	290704	$6.62 \times 10^{-2}$		1139.278			blend with Ge v
Ni vi	347278.5	435011.5	$2.59 \times 10^{-1}$		1139.822			blend with C iii
C iii	2s3p $P_1^o$	2s5d $D_2$	$8.86 \times 10^{-2}$		1139.899			

Table 1. Continued.

Ion	Levels		$f$	$W_\lambda /$ mÅ	Wavelength/Å		$v_{\text{rad}} /$ km/s	Comment
	Lower	Upper			Theoretical	Observed		
Zn v	222940	310659	$8.37 \times 10^{-2}$		1139.997			blend with C III, newly identified
Zn v	286575	374241	$3.85 \times 10^{-1}$		1140.703			
Zn v	227195	314838	$9.68 \times 10^{-2}$		1141.003			
Zn v	231997	319632	$9.35 \times 10^{-2}$		1141.095			
Zn v	222042	309658	$7.60 \times 10^{-2}$		1141.344			
						1142.10		unid.
Zn v	228335	315840	$3.27 \times 10^{-2}$		1142.792			
Zn v	202929	290424	$3.99 \times 10^{-1}$	18.6	1142.925	1143.03	27.5	
Zn v	237032	324526	$3.40 \times 10^{-1}$		1142.938			
Zn v	203548	291022	$8.87 \times 10^{-2}$		1143.196			
Fe II					1143.226			ISM multi-component newly identified
Ba VII	61083	148547	$2.88 \times 10^{-3}$		1143.317			
Zn v	255763	343221	$1.16 \times 10^{-1}$		1143.403			
						1143.58		unid.
Zn v	210973	298375	$1.27 \times 10^{-1}$		1144.136			
Ni VI	298130.5	385520.9	$3.52 \times 10^{-1}$		1144.290			
Fe I					1144.938			ISM multi-component
Zn v	222940	310265	$7.64 \times 10^{-2}$		1145.151			
				9.4		1145.55		unid.
Zn v	241829	329085	$6.47 \times 10^{-2}$		1146.057			
Zn v	234582	321830	$3.55 \times 10^{-1}$		1146.149			
Zn v	203548	290731	$4.50 \times 10^{-1}$	25.3	1147.020	1147.11	23.5	
Zn v	203548	290704	$1.63 \times 10^{-1}$		1147.371			
Zn v	255482	342616	$2.00 \times 10^{-1}$		1147.648			newly identified
Mo v	153040	240110	$4.03 \times 10^{-1}$		1148.502			
Zn v	232946	319984	$3.33 \times 10^{-1}$	10.7	1148.922	1149.01	23.0	
Zn v	227195	314197	$1.89 \times 10^{-1}$		1149.398			
Zn v	202929	289925	$2.05 \times 10^{-1}$		1149.486			
Zn v	256235	343221	$1.34 \times 10^{-1}$		1149.608			
Zn v	226334	313300	$3.62 \times 10^{-1}$		1149.873			
Ni VI	330580.5	417538.4	$1.17 \times 10^{-1}$		1149.982			
Ni VI	376343.7	463301.5	$2.29 \times 10^{-1}$		1149.983			
Ga v	218301	305249	$2.22 \times 10^{-2}$		1150.113			
Ga v	210052	296992	$2.24 \times 10^{-1}$		1150.219			
				25.1		1150.64		unid.
Zn v	212471	299372	$1.66 \times 10^{-1}$	11.4	1150.743	1150.84	25.3	
O III	$2p^3 \ ^3S_1^o$	$2p^4 \ ^3P_1$	$8.43 \times 10^{-2}$		1150.884	1151.03	38.0	
Se v					1151.000	1151.13	33.9	
Ni v	212095.8	298972.3	$2.34 \times 10^{-2}$		1151.059			
Zn v	255763	342616	$1.16 \times 10^{-1}$		1151.368			

Table 1. Continued.

Ion	Levels		$f$	$W_\lambda /$ mÅ	Wavelength/Å		$v_{\text{rad}} /$ km/s	Comment
	Lower	Upper			Theoretical	Observed		
Zn v	230614	317466	$4.50 \times 10^{-2}$		1151.393			newly identified
Zr VI	427649	514487	$2.33 \times 10^{-1}$		1151.571			
Zn v	201973	288704	$2.26 \times 10^{-1}$	19.6	1152.985	1153.08	24.7	
Zn v	222940	309658	$4.82 \times 10^{-2}$		1153.160			
				18.4		1153.56		unid.
O III	2p <sup>3</sup> <sup>3</sup> S <sub>1</sub> <sup>o</sup>	2p <sup>4</sup> <sup>3</sup> P <sub>2</sub>	$1.41 \times 10^{-1}$	37.2	1153.775	1153.90	32.5	
Zn v	208715	295293	$7.17 \times 10^{-2}$	3.6	1155.027	1155.14	29.3	
Zn v	232946	319472	$1.27 \times 10^{-1}$		1155.725			
Zn v	285885	372360	$3.17 \times 10^{-1}$		1156.394			newly identified
Ga v	246133	332600	$3.44 \times 10^{-1}$	12.4	1156.511	1156.62	28.3	
Zn v	231997	318436	$2.76 \times 10^{-2}$		1156.885			
Zn v	203548	289925	$2.90 \times 10^{-2}$		1157.725			newly identified
Ni VI	337993.9	424363.7	$1.04 \times 10^{-1}$		1157.812			
				15.7		1158.00		unid.
Zn v	239843	326189	$7.13 \times 10^{-2}$		1158.122			
Zn v	235903	322224	$1.83 \times 10^{-1}$		1158.475			
Zn v	200644	286943	$2.38 \times 10^{-1}$	24.6	1158.759	1158.86	26.1	
				27.3		1159.88		unid.
Zn v	226334	312534	$1.04 \times 10^{-2}$		1160.091			weak
Zn v	234582	320772	$2.88 \times 10^{-1}$		1160.221			
Sn v				37.6	1160.740	1160.86	31.0	blend with Zn v
Zn v	255482	341627	$7.26 \times 10^{-2}$		1160.827			blend with Sn v, newly identified
				40.1		1161.99		unid.
Zn v	210973	297033	$5.56 \times 10^{-2}$		1161.971			
Zn v	291107	377144	$3.72 \times 10^{-1}$		1162.281			
Zn v	230614	316643	$9.18 \times 10^{-2}$		1162.401			
Ge v	241935	327891	$1.29 \times 10^{-2}$		1163.389			
Zn v	230435	316339	$7.96 \times 10^{-2}$		1164.082			
Zn v	212471	298375	$6.62 \times 10^{-2}$		1164.100			newly identified
O IV	3d <sup>2</sup> F <sub>5/2</sub> <sup>o</sup>	4f <sup>2</sup> G <sub>7/2</sub>	$8.50 \times 10^{-1}$	16.7	1164.321	1164.41	22.9	
O IV	3d <sup>2</sup> F <sub>7/2</sub> <sup>o</sup>	4f <sup>2</sup> G <sub>9/2</sub>	$8.26 \times 10^{-1}$	19.9	1164.546	1164.65	26.8	
Zn v	255763	341627	$5.07 \times 10^{-2}$		1164.632			
Zn v	228335	314197	$1.72 \times 10^{-2}$		1164.656			newly identified
Zn v	210973	296796	$4.52 \times 10^{-2}$		1165.186			blend with Ge v
Ge v	241935	327753	$1.48 \times 10^{-2}$		1165.259			blend with Zn v
				27.0		1165.40		unid.
Zn v	286575	372360	$4.41 \times 10^{-2}$		1165.706			
Zn v	210973	296757	$5.56 \times 10^{-2}$		1165.716			
Zn v	234846	320618	$3.60 \times 10^{-1}$		1165.880			
C IV	3d <sup>2</sup> D <sub>3/2</sub>	4f <sup>2</sup> F <sub>5/2</sub> <sup>o</sup>	1.02		1168.849			

Table 1. Continued.

Ion	Levels		$f$	$W_\lambda /$ mÅ	Wavelength/Å		$v_{\text{rad}} /$ km/s	Comment
	Lower	Upper			Theoretical	Observed		
C iv	3d $^2D_{5/2}$	4f $^2F_{7/2}^o$	$4.88 \times 10^{-2}$		1168.993			
C iv	3d $^2D_{5/2}$	4f $^2F_{5/2}^o$	$9.97 \times 10^{-1}$		1168.993			
Zn v	226334	311796	$1.02 \times 10^{-1}$		1170.105			
C iv					1170.130			forbidden C iv component
C iv					1170.330			forbidden C iv component
Zn v	231831	317220	$7.01 \times 10^{-2}$		1171.106			
Zn v	239843	325068	$3.11 \times 10^{-1}$		1173.366			
Zn v	198962	284116	$3.01 \times 10^{-1}$	24.1	1174.346	1174.43	21.4	
				12.3		1174.75		unid.
C iii	2s2p $^3P_1^o$	2p $^2$ $^3P_2$	$1.17 \times 10^{-1}$	108.5	1174.933	1175.04	27.3	
Zn v	235599	320709	$1.24 \times 10^{-1}$		1174.945			blend with C iii
C iii	2s2p $^3P_0^o$	2p $^2$ $^3P_1$	$2.72 \times 10^{-1}$	112.4	1175.263	1175.38	29.9	
C iii	2s2p $^3P_1^o$	2p $^2$ $^3P_1$	$7.03 \times 10^{-2}$		1175.590			
C iii	2s2p $^3P_2^o$	2p $^2$ $^3P_2$	$2.11 \times 10^{-1}$		1175.711			
C iii	2s2p $^3P_1^o$	2p $^2$ $^3P_0$	$9.07 \times 10^{-2}$	98.9	1175.987	1176.10	28.8	
Zn v	226334	311359	$8.10 \times 10^{-2}$		1176.122			blend with C iii
C iii	2s2p $^3P_2^o$	2p $^2$ $^3P_1$	$7.02 \times 10^{-2}$		1176.370			
Zn v	231831	316827	$7.34 \times 10^{-2}$		1176.527			blend with C iii, newly identified
Ge v	238765	323749	$2.06 \times 10^{-3}$		1176.690			blend with C iii
Zn v	198962	283933	$1.86 \times 10^{-1}$		1176.868			newly identified
Zn v	201973	286936	$1.46 \times 10^{-1}$		1176.980			newly identified
Zn v	226334	311295	$7.56 \times 10^{-2}$		1177.016			newly identified
Zn v	202929	287888	$1.00 \times 10^{-1}$		1177.036			newly identified
Zn v	200644	285603	$1.68 \times 10^{-1}$		1177.044			newly identified
Zn v	231831	316786	$3.06 \times 10^{-1}$		1177.087			newly identified
Zn v	260880	345723	$8.22 \times 10^{-2}$		1178.639			newly identified
Zn v	241829	326664	$1.12 \times 10^{-1}$		1178.759			
Ni v	232655.6	317477.9	$9.35 \times 10^{-3}$		1178.935			
Zn v	236969	321776	$1.93 \times 10^{-1}$		1179.145			
Zn v	230435	315239	$1.10 \times 10^{-1}$		1179.179			
Xe vi	5p $^2P_{3/2}^o$	5p $^2$ $^4P_3$	$4.65 \times 10^{-4}$	19.9	1179.537	1179.63	23.6	
Zn v	208715	293463	$2.79 \times 10^{-1}$	17.3	1179.969	1180.10	33.3	
Zn v	260880	345624	$4.73 \times 10^{-2}$		1180.018			
Xe vi	5d $^2D_{3/2}$	6p $^2P_{1/2}^o$	$1.54 \times 10^{-1}$		1181.455			
Zn v	227195	311796	$2.22 \times 10^{-2}$		1182.019			
Mo vi	283610.94	368203.16	$7.44 \times 10^{-1}$	16.1	1182.142	1182.24	24.9	
Zn v	212471	297033	$7.26 \times 10^{-2}$	23.5	1182.567	1182.67	26.1	
Zn v	235730	320257	$1.94 \times 10^{-2}$		1183.041			
Zn v	230435	314958	$3.17 \times 10^{-2}$		1183.100			
Zn v	232946	317466	$2.31 \times 10^{-2}$		1183.158			

**Table 1.** Continued.

Ion	Levels		$f$	$W_\lambda /$ mÅ	Wavelength/Å		$v_{\text{rad}} /$ km/s	Comment
	Lower	Upper			Theoretical	Observed		
Zn v	231831	316339	$2.99 \times 10^{-2}$		1183.314			
Zn v	230614	314958	$8.97 \times 10^{-2}$		1185.619			
Zn v	231997	316339	$5.02 \times 10^{-2}$		1185.645			
Zn v	203548	287888	$1.30 \times 10^{-1}$		1185.676			
Zn v	212471	296796	$3.24 \times 10^{-1}$		1185.898			
Zn v	210973	295293	$1.84 \times 10^{-1}$		1185.948			
Mo v	159857	244170	$7.85 \times 10^{-1}$		1186.050			blend with Zn v
Zn v	235730	320043	$2.18 \times 10^{-1}$		1186.057			blend with Mo v
Mo v	151195	235496	$4.73 \times 10^{-1}$		1186.227			
Mo v	245600	329898	$4.77 \times 10^{-1}$		1186.277			
Zn v	212471	296757	$2.05 \times 10^{-1}$		1186.447			
Mo v	148949	233190	$3.57 \times 10^{-1}$		1187.061			
Zn v	228335	312534	$2.72 \times 10^{-1}$		1187.664			
Zn v	210973	295168	$3.51 \times 10^{-1}$		1187.706			