List of the absorption lines of xenon, Xe I, $[5p^6\ ^1S_0 \rightarrow 4p^5nd[\mathbf{3/2}]^\circ_1,\ 5p^5nd[\mathbf{1/2}]^\circ_1,$ $5p^5ns[\mathbf{3/2}]^\circ_1,\ 5p^5nd'[\mathbf{3/2}]^\circ_1,\ 5p^5ns'[\mathbf{1/2}]^\circ_1]$. Values in *italic* are estimated.

Wavelength Å	Wavenumber cm^{-1}	n*	$nd[3/2]^\circ_1$	$nd[1/2]^\circ_1$	$ns[3/2]^\circ_1$	$nd'[3/2]^\circ_1$	$ns'[1/2]^\circ_1$
1295.588	77 185.04	1.87585					6
1250.210	79 986.55	2.4796		5			
1192.037	83 889.99	2.8053	5				
1170.413	85 439.92	2.9756			7		
1129.310	88 549.65	3.4378		6			
1110.713	90 032.25	3.7505	6				
1099.716	90 932.58	3.9876			8		
1085.441	92 128.49	4.3857		7			
1078.584	92 714.15	4.6298	7				
1070.411	93 422.06	4.9874			9		
1068.168	93 618.21	2.7273				5	
1061.256	94 228.02	5.5167		8			
1056.128	94 685.47	5.9039	8				
1054.996	94 487.09	6.0016			10		
1050.107	95 228.43	6.4900		9			
1047.136	95 498.62	6.8552	9				
1046.123	95 591.04	6.9950			11		
1043.834	95 800.70	2.9547					7
1042.613	95 912.98	7.5583		10			
1041.170	96 045.83	7.8343	10				
1040.336	96 122.83	8.0087			12		
1038.259	96 315.07	8.5005		11			
1037.087	96 423.94	8.8225	11				
1036.476	96 480.73	9.0058			13		
1035.022	96 616.33	9.494		12			
1034.184	96 694.62	9.8149	12				
1033.724	96 737.59	10.006			14		
1032.666	96 836.7	10.491		13			
1032.050	96 894.5	10.809	13				
1031.696	96 927.8	11.006			15		
1030.902	97 002.4	11.489		14			
1030.453	97 046.4	11.806	14				
1030.159	97 072.4	12.006			16		
1029.546	97 130.2	12.489		15			
1029.186	97 164.2	12.802	15				
1028.966	97 184.9	13.005			17		
1028.484	97 230.5	13.487		16			
1028.198	97 257.5	13.800	16				
1028.020	97 274.4	14.007			18		
1027.635	97 310.8	14.486		17			
1027.405	97 332.6	14.798	17				
1027.260	97 346.3	15.004			19		
1026.946	97 376.1	15.485		18			

Wavelength Å	Wavenumber cm^{-1}	n*	$nd[3/2]_1^\circ$	$nd[1/2]_1^\circ$	$ns[3/2]_1^\circ$
1026.758	97 393.9	15.79	18		
1026.637	97 405.4	16.01			20
1026.378	97 430.0	16.486		19	
1026.223	97 444.7	16.79	19		
1026.122	97 454.3	17.01			21
1025.906	97 474.8	17.485		20	
1025.777	97 487.1	17.79	20		
1025.690	*97 495.3*				22
1025.509	97 512.6	18.48		21	
1025.399	97 523.0	18.79	21		
1025.326	97 530.0	19.01			23
1025.171	97 544.7	19.48		22	
1025.077	97 553.6	19.79	22		
1025.015	97 559.5	20.00			24
1024.882	97 572.2	20.48		23	
1024.802	97 579.8	20.79	23		
1024.747	97 585.1	21.01			25
1024.632	97 596.0	21.48		24	
1024.563	97 602.6	21.79	24		
1024.515	97 607.2	22.01			26
1024.416	97 616.6	22.48		25	
1024.355	97 622.4	22.79	25		
1024.313	97 626.4	23.01			27
1024.226	97 634.7	23.48		26	
1024.172	97 639.8	23.79	26		
1024.135	97 643.4	24.01			28
1024.060	97 650.5	24.47		27	
1024.011	97 655.2	24.79	27		
1023.979	97 658.3	25.01			29
1023.911	97 664.7	25.48		28	
1023.869	97 668.7	25.79	28		
1023.840	97 671.5	26.01			30
1023.779	97 677.3	26.48		29	
1023.742	97 680.9	26.79	29		
1023.716	97 683.3	27.01			31
1023.659	97 688.8	27.51		30	
1023.629	97 691.6	27.78	30		
1023.606	97 693.8	28.00			32
1023.558	97 798.4	28.47		31	
1023.527	97 701.4	28.79	31		
1023.506	97 703.4	29.01			33
1023.463	97 707.5	29.48		32	
1023.436	97 710.1	29.79	32		
1023.417	97 711.9	30.01			34
1023.373	97 716.1	30.54		33	
1023.353	97 718.0	30.79	33		
1023.336	97 719.6	31.01			35

Wavelength Å	Wavenumber cm^{-1}	n*	$nd[3/2]_1^\circ$	$nd[1/2]_1^\circ$	$ns[3/2]_1^\circ$
1023.297	97 723.3	31.52		34	
1023.278	97 725.2	31.79	34		
1023.263	97 726.6	32.00			36
1023.209	97 731.7	32.79	35		
1023.196	97 733.0	33.00			37
1023.147	97 737.7	33.80	36		
1023.135	97 738.8	34.00			38
1023.090	97 743.1	34.79	37		
1023.079	97 744.2	35.01			39
1023.038	97 748.1	35.79	38		
1023.028	97 749.0	35.98			40
1022.990	97 752.7	36.79	39		
1022.981	97 753.5	36.98			41
1022.944	97 757.1	37.84	40		
1022.938	97 757.6	37.96			42
1022.904	97 760.9	38.81	41		
1022.899	97 761.4	38.95			43
1022.866	97 764.5	39.81	42		
1022.861	97 765.0	39.95			44
1022.830	97 768.0	40.85	43		
1022.825	97 768.4	40.98			45
1022.798	97 771.0	41.82	44		
1022.794	97 771.4	41.95			46
1022.767	97 774.0	42.85	45		
1022.761	97 774.5	43.04			47
1022.739	97 776.7	43.85	46		
1022.713	97 779.1	44.81	47		
1022.689	97 781.4	45.78	48		
1022.666	97 783.6	46.78	49		
1022.644	97 785.7	47.79	50		
1022.624	97 787.7	48.81	51		
1022.605	97 789.5	49.80	52		
1022.587	97 791.2	50.78	53		
1022.569	97 792.9	51.83	54		
1022.554	97 794.3	52.74	55		
1022.539	97 795.8	53.77	56		
1022.525	97 797.1	54.72	57		
1022.511	97 798.5	55.79	58		
1022.498	97 799.7	56.77	59		
1022.486	97 800.9	57.79	60		
1022.474	97 802.0	58.79	61		
1022.464	97 803.0	59.74	62		
1022.453	97 804.0	60.73	63		
1022.443	97 805.0	61.78	64		
1022.434	97 805.8	62.66	65		
1022.426	97 806.6	63.58	66		

Wavelength Å	Wavenumber cm^{-1}	n*	$nd'[3/2]^{\circ}_1$	$ns'[1/2]^{\circ}_1$
995.2	*100 483.*		6	
985.8	*101 443.*			8
966.7	*103 445.*		7	
962.0	*103 945.*			9
952.26	105 013.	5.717	8	
949.634	105 303.7	5.9815		10
943.92	105 941.	6.720	9	
942.322	106 120 8	6.9837		11
938.72	106 528.	7.717	10	
937.650	106 649.6	7.9847		12
935.20	107 209.	8.724	11	
934.477	107 011.7	8.9856		13
932.76	107 209.	9.719	12	
932.223	107 270.5	9.987		14
930.97	107 415.	10.715	13	
930.564	107 461.7	10.987		15
929.614	107 571.5	11.717	14	
929.306	107 607.2	11.988		16
928.571	107 692.4	12.718	15	
928.331	107 720.2	12.987		17
927.750	107 787.6	13.717	16	
927.558	107 810.0	13.988		18
927.092	107 864.2	14.718	17	
926.936	107 882.3	14.988		19
926.556	107 926.5	15.716	18	
926.428	107 941.5	15.988		20
926.114	107 978.1	16.72	19	
926.007	107 990.5	16.99		21
925.743	108 021.3	17.72	20	
925.655	108 031.6	17.99		22
925.432	108 057.6	18.72	21	
925.357	108 066.4	18.99		23
925.166	108 088.7	19.72	22	
925.103	108 096.1	19.99		24
924.939	108 115.2	20.74	23	
924.885	108 121.5	20.98		25
924.742	108 138.3	21.72	24	
924.696	108 143.6	21.98		26
924.571	108 158.3	22.72	25	
924.531	108 162.9	22.98		27
924.420	108 175.9	23.73	26	
924.387	108 179.8	23.97		28
924.288	108 191.4	24.73	27	
924.259	108 194.8	24.97		29
924.171	108 205.1	25.73	28	

Wavelength Å	Wavenumber cm^{-1}	n*	$nd'[3/2]^\circ_1$	$ns'[1/2]^\circ_1$
924.147	108 207.9	25.95		30
924.067	108 217.3	26.74	29	
924.047	108 219.6	26.94		31
923.973	108 228.3	27.75	30	
923.956	108 230.3	27.95		32
923.889	108 238.1	28.76	31	
923.876	108 239.6	28.92		33
923.814	108 246.9	29.76	32	
923.802	108 248.3	29.93		34
923.747	108 254.7	30.74	33	
923.737	108 255.9	30.90		35
923.685	108 262.0	31.76	34	
923.674	108 263.3	31.95		36
923.628	108 268.7	32.78	35	
923.620	108 269.6	32.93		37
923.577	108 274.7	33.79	36	
923.570	108 275.5	33.93		38
923.530	108 280.2	34.80	37	
923.524	108 280.9	34.94		39
923.487	108 285.2	35.80	38	
923.450	108 289.6	36.76	39	
923.412	108 294.0	37.80	40	
923.378	108 298.0	38.82	41	
923.347	108 301.6	39.82	42	
923.318	108 305.0	40.84	43	
923.292	108 308.1	41.84	44	
923.267	108 311.0	42.84	45	
923.244	108 313.7	43.84	46	
923.223	108 316.2	44.83	47	
923.203	108 318.5	45.81	48	
923.184	108 320.8	46.85	49	
923.166	108 322.9	47.86	50	
923.150	108 324.8	48.84	51	
923.134	108 326.6	49.83	52	
923.120	108 328.3	50.81	53	
923.107	108 329.8	51.73	54	
923.094	108 331.3	52.71	55	
923.082	108 332.7	53.67	56	
923.070	108 334.1	54.68	57	
923.059	108 335.4	55.67	58	
923.048	108 336.7	56.73	59	
923.038	108 337.9	57.75	60	
923.029	108 339.0	58.74	61	
923.019	108 340.1	59.79	62	
923.011	108 341.1	60.79	63	
923.003	108 342.0	61.73	64	
922.994	108 343.1	62.94	65	

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