

**List of the absorption lines of krypton, Kr I.**  $[4p^6\ ^1S_0 \rightarrow 4p^5nd[3/2]_1^\circ, 4p^5nd[1/2]_1^\circ,$   
 $4p^5ns[3/2]_1^\circ, 4p^5nd'[3/2]_1^\circ, 4p^5ns'[1/2]_1^\circ]$

Wavelength Å	Wavenumber cm <sup>-1</sup>	n*	$nd[3/2]_1^\circ$	$nd[1/2]_1^\circ$	$ns[3/2]_1^\circ$	$nd'[3/2]_1^\circ$	$ns'[1/2]_1^\circ$
1235.838	80916.73	1.8519			5		
1164.867	85846.69	1.8393					5
1030.022	97085.3	2.6330		4			
1003.550	99646.2	2.8758	4				
1001.060	99894.1	2.9031			6		
963.374	103801.9	3.4702		5			
953.403	104887.4	2.8620				4	
951.055	105146.4	2.8901					6
946.536	105648.4	3.8862	5				
945.441	105770.7	3.9193			7		
928.710	107676.2	4.5770		6			
923.712	108258.8	4.8549	6				
922.738	108373.1	4.9156			8		
914.554	109343.0	5.5430		7			
911.670	109688.8	5.8325	7				
910.918	109779.3	5.9161			9		
906.697	110290.4	6.4666		8			
904.862	110514.1	6.7612	8				
904.004	110619.0	6.9140			10		
903.071	110733.3	3.8121				5	
900.876	111003.0	3.8821					7
900.313	111072.5	7.7183		9			
899.651	111154.3	7.8955	9				
899.515	111171.0	7.9333			11		
897.435	111428.6	8.5934		10			
896.698	111520.2	8.8712	10				
896.568	111536.4	8.9232			12		
895.108	111718.4	9.578		11			
894.565	111786.1	9.861	11				
894.455	111799.9	9.922			13		
893.397	111932.4	10.570		12			
892.990	111983.3	10.855	12				
892.901	111994.5	10.921			14		
892.108	112094.0	11.564		13			
891.797	112133.2	11.851	13				
891.723	112142.4	11.921			15		
891.115	112219.0	12.560		14			
890.871	112249.7	12.847	14				
890.811	112257.3	12.921			16		
890.333	112317.5	13.557		15			
890.139	112342.0	13.844	15				
890.089	112348.3	13.920			17		

Wavelength Å	Wavenumber cm <sup>-1</sup>	n*	$nd[3/2]_1^\circ$	$nd[1/2]_1^\circ$	$ns[3/2]_1^\circ$	$nd'[3/2]_1^\circ$	$ns'[1/2]_1^\circ$
889.707	112396.6	14.554		16			
889.550	112416.4	14.841	16				
889.508	112421.7	14.921			18		
889.198	112460.9	15.55		17			
889.069	112477.2	15.84	17				
889.034	112481.6	15.920			19		
888.777	112514.2	16.55		18			
888.672	112527.5	16.84	18				
888.642	112531.2	16.92			20		
888.428	112558.4	17.55		19			
888.339	112569.7	17.84	19				
888.314	112572.8	17.92			21		
888.134	112595.7	18.55		20			
888.058	112605.2	18.83	20				
888.036	112608.0	18.92			22		
887.882	112627.6	19.55		21			
887.819	112635.6	19.83	21				
887.800	112637.9	19.92			23		
887.667	112654.9	20.56		22			
887.612	112661.8	20.83	22				
887.596	112663.8	20.92			24		
887.482	112678.4	21.55		23			
887.435	112684.3	21.83	23				
887.421	112686.1	21.91			25		
887.320	112698.6	22.56		24			
887.280	112704.0	22.83	24				
887.266	112705.7	22.92			26		
887.180	112716.7	23.55		25			
887.143	112721.4	23.83	25				
887.133	112722.7	23.91			27		
887.053	112732.8	24.57		26			
887.024	112736.6	24.83	26				
887.014	112737.8	24.91			28		
886.942	112746.9	25.58		27			
886.917	112750.1	25.83	27				
886.909	112751.1	25.91			29		
886.846	112759.2	26.57		28			
886.822	112762.2	26.83	28				
886.816	112762.9	26.90			30		
886.758	112770.4	27.59		29			
886.737	112773.1	27.85	29				
886.732	112773.6	27.90			31		
886.660	112782.7	28.84	30				
886.658	112783.1	28.89			32		
886.592	112791.5	29.85	31				
886.589	112791.8	29.91			33		
886.530	112799.3	30.85	32				

Wavelength Å	Wavenumber cm <sup>-1</sup>	n*	$nd[3/2]_1^\circ$	$nd[1/2]_1^\circ$	$ns[3/2]_1^\circ$	$nd'[3/2]_1^\circ$	$ns'[1/2]_1^\circ$
886.474	112806.4	31.84	33				
886.423	112813.0	32.86	34				
886.377	112818.8	33.84	35				
886.335	112824.2	34.8	36				
886.295	112829.2	35.8	37				
886.260	112833.8	36.9	38				
886.226	112838.0	37.8	39				
886.196	112841.9	38.9	40				
886.168	112845.4	39.8	41				
886.141	112848.8	40.8	42				
886.117	112851.9	41.8	43				
886.095	112854.8	42.8	44				
886.073	112857.5	43.8	45				
886.054	112860.0	44.8	46				
886.035	112862.4	45.9	47				
886.018	112864.6	46.9	48				
886.001	112866.6	47.8	49				
885.986	112868.6	48.8	50				
885.972	112870.4	49.8	51				
885.958	112872.1	50.8	52				
885.945	112873.8	51.9	53				
885.933	112875.3	52.8	54				
885.922	112876.8	53.9	55				
885.911	112878.1	54.8	56				
885.901	112879.4	55.8	57				
885.892	112880.6	56.8	58				
885.882	112881.9	57.9	59				
885.870	112883.4	59.3	60				
880.82	113530.	4.804				6	
879.388	113715.4	4.9007					8
869.42	115019.	5.797				7	
868.543	115135.4	5.9030					9
862.77	115906.	6.792				8	
862.198	115982.6	6.9044					10
858.534	116477.6	7.793				9	
858.157	116528.8	7.9057					11
855.687	116965.1	8.792				10	
855.424	116901.1	8.9062					12
853.676	117140.5	9.793				11	
853.486	117166.6	9.907					13
852.208	117342.3	10.791				12	
852.064	117362.1	10.906					14
851.098	117495.2	11.791				13	
850.988	117510.5	11.906					15
850.241	117613.7	12.790				14	
850.154	117625.8	12.906					16
849.564	117707.4	13.788				15	

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849.495	117717.0	13.905					17
849.018	117783.1	14.792				16	
848.964	117790.6	14.904					18
848.577	117844.4	15.79				17	
848.532	117850.6	15.90					19
848.209	117895.5	16.79				18	
848.173	117900.5	16.90					20
847.903	117937.9	17.79				19	
847.873	117942.1	17.90					21
847.646	117973.8	18.79				20	
847.620	117977.3	18.90					22
847.425	118004.5	19.79				21	
847.405	118007.2	19.89					23
847.236	118030.8	20.79				22	
847.219	118033.2	20.89					24
847.073	118053.6	21.79				23	
847.060	118055.4	21.88					25
846.932	118073.3	22.79				24	
846.920	118074.9	22.88					26
846.807	118090.7	23.79				25	
846.798	118091.9	23.87					27
846.696	118106.1	24.80				26	
846.691	118106.9	24.85					28
846.599	118119.7	25.79				27	
846.593	118120.5	25.86					29
846.511	118132.0	26.82				28	
846.508	118132.4	26.86					30
846.433	118142.8	27.82				29	
846.364	118152.5	28.82				30	
846.301	118161.2	29.83				31	
846.245	118169.1	30.82				32	
846.194	118176.2	31.82				33	
846.147	118182.8	32.83				34	
846.105	118188.7	33.82				35	
846.066	118194.1	34.83				36	
846.030	118199.1	35.83				37	
845.997	118203.7	36.83				38	
845.967	118208.0	37.84				39	
845.939	118211.8	38.82				40	
845.913	118215.4	39.83				41	
845.889	118218.8	40.83				42	
845.867	118221.9	41.83				43	
845.847	118234.7	42.82				44	
845.827	118227.4	43.81				45	
845.809	118229.9	44.81				46	

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845.792	118232.3	45.82				47	
845.777	118234.5	46.80				48	
845.762	118236.6	47.82				49	
845.748	118238.6	48.83				50	
845.735	118240.3	49.78				51	
845.722	118242.1	50.84				52	
845.712	118243.6	51.73				53	
845.701	118245.2	52.74				54	
845.691	118246.5	53.69				55	
845.681	118247.9	54.72				56	
845.672	118249.2	55.67				57	
845.663	118250.4	56.67				58	
845.654	118251.7	57.73				59	

References:

*Absorption Spectrum of Krypton in the Vacuum UV Region*, K. Yoshino and Y. Tanaka, J. Opt. Soc. Am. **69**, 159-165 (1979).