

Sódio (Na) - NIST Atomic Spectra Database Lines Data

Wavelength=6000Å, ±4000Na (<http://physics.nist.gov/PhysRefData/contents-atomic.html>)

Spec.	Wavelength Air (Å)	Rel. Int.	Aki (10 ⁸ s ⁻¹)	Acc	Ei Ek (cm ⁻¹)	Configur- ations	Terms	Ji Jk	gi gk	Type	TP Refs	Line Refs
NaI	2433.765		3.87e 05	C+'	0.000 [41076.132]	3s 18p	2S 2P*	1/2 3/2	2 4		9,10n	
NaI	2433.768		3.87e 05	C+'	0.000 [41076.096]	3s 18p	2S 2P*	1/2 1/2	2 2		9,10n	
NaI	2436.594		4.64e 05	C+'	0.000 [41028.453]	3s 17p	2S 2P*	1/2 3/2	2 4		9,10n	
NaI	2436.597		4.64e 05	C+'	0.000 [41028.410]	3s 17p	2S 2P*	1/2 1/2	2 2		9,10n	
NaI	2440.010		5.6e 05	C+'	0.000 [40971.019]	3s 16p	2S 2P*	1/2 3/2	2 4		9,10n	
NaI	2440.013		5.6e 05	C+'	0.000 [40970.967]	3s 16p	2S 2P*	1/2 1/2	2 2		9,10n	
NaI	2444.189		6.8e 05	C+'	0.000 [40900.976]	3s 15p	2S 2P*	1/2 3/2	2 4		9,10n	
NaI	2444.192		6.8e 05	C+'	0.000 [40900.913]	3s 15p	2S 2P*	1/2 1/2	2 2		9,10n	
NaI	2449.377		8.6e 05	C+'	0.000 [40814.344]	3s 14p	2S 2P*	1/2 3/2	2 4		9,10n	
NaI	2449.382		8.6e 05	C+'	0.000 [40814.265]	3s 14p	2S 2P*	1/2 1/2	2 2		9,10n	
NaI	2455.931		1.12e 04	C+'	0.000 [40705.437]	3s 13p	2S 2P*	1/2 3/2	2 4		9,10n	
NaI	2455.937		1.12e 04	C+'	0.000 [40705.337]	3s 13p	2S 2P*	1/2 1/2	2 2		9,10n	
NaI	2464.379		1.44e 04	C+'	0.000 [40565.906]	3s 12p	2S 2P*	1/2 3/2	2 4		9,10n	
NaI	2464.387		1.44e 04	C+'	0.000 [40565.777]	3s 12p	2S 2P*	1/2 1/2	2 2		9,10n	
NaI	2475.536		1.94e 04	C+'	0.000 40383.091	3s 11p	2S 2P*	1/2 3/2	2 4		9,10n	
NaI	2475.547		1.94e 04	C+'	0.000 40382.920	3s 11p	2S 2P*	1/2 1/2	2 2		9,10n	
NaI	2490.713		2.76e 04	C+'	0.000 40137.039	3s 10p	2S 2P*	1/2 3/2	2 4		9,10n	
NaI	2490.727		2.76e 04	C+'	0.000 [40136.805]	3s 10p	2S 2P*	1/2 1/2	2 2		9,10n	
NaI	2512.134		4.05e 04	C+'	0.000	3s 9p	2S 2P*	1/2	2 4		9,10n	

					39794.810			3/2				
NaI	2512.155		4.05e 04	C+'	0.000 [39794.480]	3s 9p	2S 2P*	1/2 1/2	2 2		9,10n	
NaI	2543.841	20	6.6e 04	C+'	0.000 39298.84	3s 8p	2S 2P*	1/2 3/2	2 4		9,10n	268
NaI	2543.872	10	6.6e 04	C+'	0.000 39298.35	3s 8p	2S 2P*	1/2 1/2	2 2		9,10n	268
NaI	2593.869	70	1.20e 03	C+'	0.000 38540.93	3s 7p	2S 2P*	1/2 3/2	2 4		9,10n	268
NaI	2593.919	35	1.20e 03	C+'	0.000 38540.18	3s 7p	2S 2P*	1/2 1/2	2 2		9,10n	268
NaI	2680.341	200	2.26e 03	C+'	0.000 37297.61	3s 6p	2S 2P*	1/2 3/2	2 4		4	268
NaI	2680.433	100	2.26e 03	C+'	0.000 37296.32	3s 6p	2S 2P*	1/2 1/2	2 2		4	268
NaI	2852.811	400	6.0e 03	C+	0.000 35042.85	3s 5p	2S 2P*	1/2 3/2	2 4		1s	268
NaI	2853.012	200	6.0e 03	C+	0.000 35040.38	3s 5p	2S 2P*	1/2 1/2	2 2		1s	268
NaI	2893.62	2										268
NaI	3302.369	1200	2.81e 02	C+	0.000 30272.58	3s 4p	2S 2P*	1/2 3/2	2 4		CRC	268
NaI	3302.978	600	2.81e 02	C+	0.000 30266.99	3s 4p	2S 2P*	1/2 1/2	2 2		CRC	268
NaI	3426.86	50										268
NaI	4193.012		1.70e 03	C	16956.172 [40798.656]	3p 13d	2P* 2D	1/2 3/2	2 4		1s	
NaI	4196.039		3.40e 04	C	16973.368 [40798.656]	3p 13d	2P* 2D	3/2 3/2	4 4		1s	
NaI	4196.039		2.04e 03	C	16973.368 [40798.656]	3p 13d	2P* 2D	3/2 5/2	4 6		1s	
NaI	4199.138		5.9e 04	C	16956.172 [40763.874]	3p 14s	2P* 2S	1/2 1/2	2 2		1s	
NaI	4202.174		1.18e 03	C	16973.368 [40763.874]	3p 14s	2P* 2S	3/2 1/2	4 2		1s	
NaI	4213.001		2.20e 03	C	16956.172 [40685.535]	3p 12d	2P* 2D	1/2 3/2	2 4		1s	
NaI	4216.057		4.39e 04	C	16973.368 [40685.535]	3p 12d	2P* 2D	3/2 3/2	4 4		1s	
NaI	4216.057		2.63e 03	C	16973.368 [40685.535]	3p 12d	2P* 2D	3/2 5/2	4 6		1s	
NaI	4220.899		7.1e 04	C	16956.172 [40641.138]	3p 13s	2P* 2S	1/2 1/2	2 2		1s	
NaI	4223.966		1.41e 03	C	16973.368	3p 13s	2P* 2S	3/2	4 2		1s	

					[40641.138			1/2				
NaI	4238.988	6	2.90e 03	C	16956.172 40540.07	3p 11d	2P* 2D	1/2 3/2	2 4		1s	268
NaI	4242.081	10*	5.8e 04	C	16973.368 40540.07	3p 11d	2P* 2D	3/2 3/2	4 4		1s	268
NaI	4242.081	10*	3.46e 03	C	16973.368 40540.07	3p 11d	2P* 2D	3/2 5/2	4 6		1s	268
NaI	4249.411	1	8.7e 04	C	16956.172 40482.22	3p 12s	2P* 2S	1/2 1/2	2 2		1s	268
NaI	4252.520	2	1.73e 03	C	16973.368 40482.22	3p 12s	2P* 2S	3/2 1/2	4 2		1s	268
NaI	4273.643	15	3.91e 03	C	16956.172 40348.83	3p 10d	2P* 2D	1/2 3/2	2 4		1s	268
NaI	4276.787	20*	7.8e 04	C	16973.368 40348.83	3p 10d	2P* 2D	3/2 3/2	4 4		1s	268
NaI	4276.787	20*	4.69e 03	C	16973.368 40348.83	3p 10d	2P* 2D	3/2 5/2	4 6		1s	268
NaI	4287.840	2	1.19e 03	C	16956.172 40271.38	3p 11s	2P* 2S	1/2 1/2	2 2		1s	268
NaI	4291.004	3	2.38e 03	C	16973.368 40271.38	3p 11s	2P* 2S	3/2 1/2	4 2		1s	268
NaI	4321.401	30	5.5e 03	C	16956.172 40090.31	3p 9d	2P* 2D	1/2 3/2	2 4		1s	268
NaI	4324.616	40*	1.09e 03	C	16973.368 40090.31	3p 9d	2P* 2D	3/2 3/2	4 4		1s	268
NaI	4324.616	40*	6.6e 03	C	16973.368 40090.31	3p 9d	2P* 2D	3/2 5/2	4 6		1s	268
NaI	4341.489	3	1.60e 03	C	16956.172 39983.27	3p 10s	2P* 2S	1/2 1/2	2 2		1s	268
NaI	4344.734	5	3.20e 03	C	16973.368 39983.27	3p 10s	2P* 2S	3/2 1/2	4 2		1s	268
NaI	4390.023	40	7.7e 03	D	16956.172 39728.70	3p 8d	2P* 2D	1/2 3/2	2 4		CRC	268
NaI	4393.340	60*	1.6e 03	C	16973.368 39728.70	3p 8d	2P* 2D	3/2 3/2	4 4		1s	268
NaI	4393.340	60*	9.2e 03	D	16973.368 39728.70	3p 8d	2P* 2D	3/2 5/2	4 6		CRC	268
NaI	4419.884	5	2.33e 03	C	16956.172 39574.85	3p 9s	2P* 2S	1/2 1/2	2 2		1s	268
NaI	4423.247	8	4.66e 03	C	16973.368 39574.85	3p 9s	2P* 2S	3/2 1/2	4 2		1s	268
NaI	4494.180	60	1.2e 02	C	16956.172 39200.93	3p 7d	2P* 2D	1/2 3/2	2 4		CRC	268
NaI	4497.657	100*	2.4e 03	D	16973.368	3p 7d	2P* 2D	3/2	4 4		CRC	268

					39200.93			3/2				
NaI	4497.657	100*	1.4e 02	C	16973.368 39200.93	3p 7d	2P* 2D	3/2 5/2	4 6		CRC	268
NaI	4541.633	10	3.59e 03	C	16956.172 38968.51	3p 8s	2P* 2S	1/2 1/2	2 2		1s	268
NaI	4545.184	15	7.2e 03	C	16973.368 38968.51	3p 8s	2P* 2S	3/2 1/2	4 2		1s	268
NaI	4664.811	120	2.33e 02	C	16956.172 38387.270	3p 6d	2P* 2D	1/2 3/2	2 4		CRC	268
NaI	4668.557	200*	4.1e 03	D	16973.368 38387.270	3p 6d	2P* 2D	3/2 3/2	4 4		CRC	268
NaI	4668.559	200*	2.5e 02	C	16973.368 38387.257	3p 6d	2P* 2D	3/2 5/2	4 6		CRC	268
NaI	4747.941	20	6.3e 03	D	16956.172 38012.044	3p 7s	2P* 2S	1/2 1/2	2 2		CRC	268
NaI	4751.822	30	1.27e 02	C	16973.368 38012.044	3p 7s	2P* 2S	3/2 1/2	4 2		CRC	268
NaI	4978.541	200	4.1e 02	C	16956.172 37036.774	3p 5d	2P* 2D	1/2 3/2	2 4		CRC	268
NaI	4982.808		8.2e 03	D	16973.368 37036.774	3p 5d	2P* 2D	3/2 3/2	4 4		CRC	
NaI	4982.813	400	4.89e 02	C	16973.368 37036.754	3p 5d	2P* 2D	3/2 5/2	4 6		CRC	268
NaI	5148.838	40	1.17e 02	C	16956.172 36372.620	3p 6s	2P* 2S	1/2 1/2	2 2		CRC	268
NaI	5153.402	80	2.33e 02	C	16973.368 36372.620	3p 6s	2P* 2S	3/2 1/2	4 2		CRC	268
NaI	5682.633	280	1.03e 01	C	16956.172 34548.766	3p 4d	2P* 2D	1/2 3/2	2 4		CRC	268
NaI	5688.193	70	2.1e 02	D	16973.368 34548.766	3p 4d	2P* 2D	3/2 3/2	4 4		CRC	268
NaI	5688.205	560	1.2e 01	C	16973.368 34548.731	3p 4d	2P* 2D	3/2 5/2	4 6		CRC	268
NaI	5889.950	8000 0	6.22e 01	A	0.000 16973.368	3s 3p	2S 2P*	1/2 3/2	2 4		CRC	268
NaI	5895.924	4000 0	6.18e 01	A	0.000 16956.172	3s 3p	2S 2P*	1/2 1/2	2 2		CRC	268
NaI	6154.225	120	2.6e 02	C	16956.172 33200.675	3p 5s	2P* 2S	1/2 1/2	2 2		CRC	268
NaI	6160.747	240	5.2e 02	C	16973.368 33200.675	3p 5s	2P* 2S	3/2 1/2	4 2		CRC	268
NaI	6631.952		6.3e 05	C'	25739.991 [40814.344	4s 14p	2S 2P*	1/2 3/2	2 4		9	
NaI	6631.987		6.3e 05	C'	25739.991	4s 14p	2S 2P*	1/2	2 2		9	

					[40814.265			1/2				
NaI	6680.215		8.5e 05	C'	25739.991 [40705.437	4s 13p	2S 2P*	1/2 3/2	2 4		9	
NaI	6680.260		8.5e 05	C'	25739.991 [40705.337	4s 13p	2S 2P*	1/2 1/2	2 2		9	
NaI	6743.085		1.11e 04	C'	25739.991 [40565.906	4s 12p	2S 2P*	1/2 3/2	2 4		9	
NaI	6743.144		1.11e 04	C'	25739.991 [40565.777	4s 12p	2S 2P*	1/2 1/2	2 2		9	
NaI	6827.271		1.53e 04	C'	25739.991 [40383.091	4s 11p	2S 2P*	1/2 3/2	2 4		9	
NaI	6827.351		1.53e 04	C'	25739.991 [40382.920	4s 11p	2S 2P*	1/2 1/2	2 2		9	
NaI	6943.953		2.23e 04	C'	25739.991 [40137.039	4s 10p	2S 2P*	1/2 3/2	2 4		9	
NaI	6944.066		2.23e 04	C'	25739.991 [40136.805	4s 10p	2S 2P*	1/2 1/2	2 2		9	
NaI	7113.036		3.36e 04	C'	25739.991 [39794.810	4s 9p	2S 2P*	1/2 3/2	2 4		9	
NaI	7113.203		3.36e 04	C'	25739.991 [39794.480	4s 9p	2S 2P*	1/2 1/2	2 2		9	
NaI	7373.23	20	5.6e 04	C'	25739.991 39298.84	4s 8p	2S 2P*	1/2 3/2	2 4		9	268
NaI	7373.49	10	5.6e 04	C'	25739.991 39298.35	4s 8p	2S 2P*	1/2 1/2	2 2		9	268
NaI	7809.78	50	1.04e 03	C'	25739.991 38540.93	4s 7p	2S 2P*	1/2 3/2	2 4		9	268
NaI	7810.24	25	1.04e 03	C'	25739.991 38540.18	4s 7p	2S 2P*	1/2 1/2	2 2		9	268
NaI	8183.255	4400	4.53e 01	C	16956.172 29172.889	3p 3d	2P* 2D	1/2 3/2	2 4		CRC	268
NaI	8194.790	800	9.0e 02	D	16973.368 29172.889	3p 3d	2P* 2D	3/2 3/2	4 4		CRC	268
NaI	8194.824	8800	5.4e 01	C	16973.368 29172.839	3p 3d	2P* 2D	3/2 5/2	4 6		CRC	268
NaI	8649.93	100	2.31e 03	C'	25739.991 37297.61	4s 6p	2S 2P*	1/2 3/2	2 4		9	268
NaI	8650.89	60	2.31e 03	C'	25739.991 37296.32	4s 6p	2S 2P*	1/2 1/2	2 2		9	268
NaI	8793.091		1.63e 04	C'	29172.839 [40542.282	3d 11f	2D 2F*	5/2 5/2	6 6		9	
NaI	8793.091		2.45e 03	C'	29172.839 [40542.282	3d 11f	2D 2F*	5/2 7/2	6 8		9	
NaI	8793.130		2.29e 03	C'	29172.889	3d 11f	2D 2F*	3/2	4 6		9	

					[40542.282			5/2				
NaI	8942.94	25*	2.47e 04	C'	29172.839 40351.77	3d 10f	2D 2F*	5/2 5/2	6 6		9	268
NaI	8942.94	25*	3.71e 03	C'	29172.839 40351.77	3d 10f	2D 2F*	5/2 7/2	6 8		9	268
NaI	8942.98		3.46e 03	C'	29172.889 40351.77	3d 10f	2D 2F*	3/2 5/2	4 6		9	
NaI	9153.86	40*	3.5e 04	C'	29172.839 40094.19	3d 9f	2D 2F*	5/2 5/2	6 6		9	268
NaI	9153.86	40*	5.3e 03	C'	29172.839 40094.19	3d 9f	2D 2F*	5/2 7/2	6 8		9	268
NaI	9153.91		4.9e 03	C'	29172.889 40094.19	3d 9f	2D 2F*	3/2 5/2	4 6		9	
NaI	9465.92	60*	5.3e 04	C'	29172.839 39734.16	3d 8f	2D 2F*	5/2 5/2	6 6		9	268
NaI	9465.92	60*	7.9e 03	C'	29172.839 39734.16	3d 8f	2D 2F*	5/2 7/2	6 8		9	268
NaI	9465.96		7.4e 03	C'	29172.889 39734.16	3d 8f	2D 2F*	3/2 5/2	4 6		9	
NaI	9492.57		8.3e 04	C	30266.99 [40798.656	4p 13d	2P* 2D	1/2 3/2	2 4		1s	
NaI	9497.61		1.66e 04	C	30272.58 [40798.656	4p 13d	2P* 2D	3/2 3/2	4 4		1s	
NaI	9497.61		1.00e 03	C	30272.58 [40798.656	4p 13d	2P* 2D	3/2 5/2	4 6		1s	
NaI	9524.02		2.85e 04	C	30266.99 [40763.874	4p 14s	2P* 2S	1/2 1/2	2 2		1s	
NaI	9529.10		5.7e 04	C	30272.58 [40763.874	4p 14s	2P* 2S	3/2 1/2	4 2		1s	
NaI	9595.64		1.07e 03	C	30266.99 [40685.535	4p 12d	2P* 2D	1/2 3/2	2 4		1s	
NaI	9600.79		2.14e 04	C	30272.58 [40685.535	4p 12d	2P* 2D	3/2 3/2	4 4		1s	
NaI	9600.79		1.28e 03	C	30272.58 [40685.535	4p 12d	2P* 2D	3/2 5/2	4 6		1s	
NaI	9636.70		3.33e 04	C	30266.99 [40641.138	4p 13s	2P* 2S	1/2 1/2	2 2		1s	
NaI	9641.90		6.6e 04	C	30272.58 [40641.138	4p 13s	2P* 2S	3/2 1/2	4 2		1s	
NaI	9731.51		1.41e 03	C	30266.99 40540.07	4p 11d	2P* 2D	1/2 3/2	2 4		1s	
NaI	9736.81		2.81e 04	C	30272.58 40540.07	4p 11d	2P* 2D	3/2 3/2	4 4		1s	
NaI	9736.81		1.69e 03	C	30272.58	4p 11d	2P* 2D	3/2	4 6		1s	

					40540.07			5/2				
NaI	9786.62		4.02e 04	C	30266.99 40482.22	4p 12s	2P* 2S	1/2 1/2	2 2		1s	
NaI	9791.98		8.0e 04	C	30272.58 40482.22	4p 12s	2P* 2S	3/2 1/2	4 2		1s	
NaI	9916.11		1.92e 03	C	30266.99 40348.83	4p 10d	2P* 2D	1/2 3/2	2 4		1s	
NaI	9921.61		3.83e 04	C	30272.58 40348.83	4p 10d	2P* 2D	3/2 3/2	4 4		1s	
NaI	9921.61		2.30e 03	C	30272.58 40348.83	4p 10d	2P* 2D	3/2 5/2	4 6		1s	
NaI	9961.26	80*	8.47e 04	C'	29172.839 39208.98	3d 7f	2D 2F*	5/2 5/2	6 6		9	268
NaI	9961.26	80*	1.27e 02	C'	29172.839 39208.98	3d 7f	2D 2F*	5/2 7/2	6 8		9	268
NaI	9961.31		1.19e 02	C'	29172.889 39208.98	3d 7f	2D 2F*	3/2 5/2	4 6		9	
NaI	9992.87		5.6e 04	C	30266.99 40271.38	4p 11s	2P* 2S	1/2 1/2	2 2		1s	