Table 6. Resonance absorption lines above 228 Å ordered by wavelength

λ, Å	Species	g_i	g_k	f_{ik}	P	λ, Å	Species	g_i	g_k	f_{ik}	P
228.301	V V	4	2	0.670e+00	6.20	236.27	Ar XIII	1	3	0.579e−01	7.70
228.628	Ca VI	4	6	0.100e+00	7.70	237.331	He II	2	6	0.139e−01	11.51
228.825	O III	1	3	0.479e−02	8.97	237.42	Cl XI	4	4	0.601e−01	6.42
228.852	Ne III	5	3	0.802e−03	7.35	237.50	V VII	4	2	0.355e+00	5.95
228.876	Ne III	5	5	0.120e−01	8.53	237.70	Cl XIV	1	3	0.221e+00	6.99
228.909	Ti V	1	3	0.970e−01	6.28	237.994	N III	2	4	0.863e−03	7.36
228.916	Ne III	5	7	0.674e−01	9.28	238.034	N III	2	2	0.172e−02	7.66
229.431	He II	2	6	0.921e−03	10.31	238.1	Ne III	5	3	0.113e−01	8.52
229.734	Ca VI	4	4	0.665e−01	7.52	238.360	O IV	2	4	0.504e+00	11.01
229.736	He II	2	6	0.120e−02	10.43	238.56	Ni XXV	1	3	0.210e−02	5.95
229.869	Na III	4	2	0.125e−01	6.77	238.617	Mn VII	4	6	0.410e−01	6.52
229.99	Fe X	4	2	0.830e−03	6.79	239.42	Co XV	2	2	0.110e+00	6.33
230.089	Fe X	4	4	0.202e−03	6.18	239.508	Ni XVI	2	2	0.224e+00	7.98
230.105	F III	4	2	0.262e−01	5.26	239.81	S XI	1	3	0.705e−01	8.50
230.113	F III	4	4	0.524e−01	5.56	240.017	F IV	1	3	0.801e−01	5.76
230.117	F III	4	6	0.785e−01	5.74	240.22	V VIII	5	5	0.720e+00	6.26
230.139	He II	2	6	0.160e−02	10.56	240.423	V XXI	2	4	0.498e−01	5.10
230.495	Ca VI	4	2	0.331e−01	7.22	240.546	F III	4	6	0.715e−02	4.72
230.686	He II	2	6	0.222e−02	10.70	240.713	Fe XIII	1	3	0.203e+00	9.20
230.765	N III	2	4	0.453e−03	7.07	240.735	F III	4	4	0.477e−02	4.54
230.789	N III	2	2	0.906e−03	7.37	240.857	F III	4	2	0.238e−02	4.24
231.40	P XI	2	4	0.512e−01	6.64	242.76	Cl XI	4	6	0.878e−01	6.60
231.454	He II	2	6	0.319e−02	10.86	242.820	Ti IX	1	3	0.360e−02	4.87
231.520	Fe X	4	4	0.272e−02	7.31	243.027	He II	2	6	0.290e−01	11.84
231.693	Fe VII	5	7	0.711e−02	7.73	243.58	V IX	4	2	0.310e+00	5.90
231.7333	Mg III	1	3	0.239e+00	9.32	243.74	Ar XIV	2	4	0.536e−01	7.68
231.884	Fe VIII	4	6	0.137e−01	8.01	244.190	Co XXV	2	2	0.170e−01	5.53
232.047	Fe VII	5	7	0.524e−02	7.59	244.46	V IX	4	4	0.620e+00	6.20
232.442	Fe VII	5	5	0.568e−01	8.63	244.56	P VIII	5	3	0.440e−01	6.60
232.584	He II	2	6	0.482e−02	11.04	244.70	Cr XII	2	4	0.539e+00	7.80
233.449	Si VIII	4	4	0.120e−05	4.00	244.89	V IX	4	6	0.900e+00	6.36
233.481	Si VIII	4	6	0.137e−06	3.05	244.907	C IV	2	4	0.407e−01	9.56
233.599	N III	2	4	0.691e−03	7.26	244.911	C IV	2	2	0.203e−01	9.26
233.620	N III	2	2	0.138e−02	7.56	244.912	Fe IX	1	3	0.240e−03	6.28
233.762	Fe VII	5	5	0.184e−01	8.14	244.935	Mn VII	4	4	0.340e−02	5.45
234.153	Ni XXVI	2	2	0.164e−01	6.83	246.004	Si VI	4	2	0.802e−01	8.85
234.174	Mg VI	4	2	0.106e−04	4.97	247.19	Fe XXII	2	2	0.790e−03	6.80
234.25	P XI	2	2	0.834e−01	6.86	247.205	N IV	1	3	0.327e+00	9.96
234.2631	Mg III	1	3	0.110e−01	7.99	247.401	Al VIII	1	3	0.103e+00	7.89
234.347	He II	2	6	0.780e−02	11.25	247.450	Ti VI	4	4	0.640e−01	6.13
234.356	Fe X	4	6	0.270e−03	6.31	247.473	Mn VII	4	2	0.170e−01	6.15
234.41	Co XV	2	4	0.140e+00	6.43	247.65	P VIII	5	5	0.129e+00	7.07
234.84	Cl XI	4	2	0.306e−01	6.13	247.95	P XI	2	2	0.594e−01	6.74
235.221	Fe VII	5	3	0.988e−01	8.88	248.320	N III	2	4	0.274e−02	7.88
235.252	Mg VI	4	4	0.466e−04	5.62	248.371	N III	2	2	0.548e−02	8.18

Table 6. Resonance absorption lines above 228 Å ordered by wavelength

λ, Å	Species	g_i	g_k	f_{ik}	P	λ, Å	Species	g_i	g_k	f_{ik}	P
248.538	OIII	1	3	0.664e−01	10.15	263.692	OIII	1	3	0.104e+00	10.37
248.933	MgVI	4	2	0.155e−04	5.17	263.76	FeXXIII	1	3	0.150e−02	7.11
248.99	SVI	2	4	0.547e−01	8.40	264.078	CrVI	4	6	0.400e−01	6.70
249.189	NiXVII	1	3	0.768e+00	8.53	264.24	SX	4	6	0.786e−01	8.59
249.27	SVI	2	2	0.274e−01	8.10	264.257	OIII	1	3	0.736e−01	10.22
249.408	CaIV	4	4	0.141e−02	5.89	264.78	ClXIII	2	4	0.670e−01	6.52
250.153	CaIV	4	6	0.126e−01	6.84	264.822	NIII	2	4	0.655e−02	8.29
250.482	TiVI	4	6	0.170e+01	7.56	264.846	NIII	2	2	0.131e−01	8.59
250.512	NaIII	4	4	0.701e−02	6.55	265.31	VXI	2	4	0.570e+00	6.20
250.516	NaIII	4	6	0.631e−01	7.51	265.74	CoXVI	1	3	0.796e+00	7.24
250.79	CoXXIV	1	3	0.180e−02	4.56	266.805	NIII	2	4	0.284e−02	7.93
251.12	NeIII	5	7	0.147e+00	9.66	266.847	NIII	2	2	0.568e−02	8.23
251.13	NeIII	5	5	0.263e−01	8.91	266.896	NaIII	4	2	0.203e−01	7.04
251.14	NeIII	5	3	0.176e−02	7.74	266.896	MnXXIII	2	2	0.185e−01	6.22
251.584	MgV	5	3	0.269e−03	6.41	266.967	OIII	1	3	0.118e+00	10.43
251.815	MgVII	1	3	0.603e−06	3.76	267.05	NeIII	5	3	0.102e−01	8.53
252.190	FeXIV	2	4	0.149e+00	9.08	267.07	NeIII	5	5	0.306e−01	9.00
252.440	VV	4	6	0.450e+00	6.08	267.401	TiVIII	4	2	0.327e+00	6.87
252.958	TiV	1	3	0.363e+01	7.89	267.427	NaV	4	2	0.687e−05	3.57
253.772	SiX	2	4	0.582e−01	8.72	267.645	NaIII	4	4	0.101e+00	7.74
255.090	FeXXIV	2	2	0.181e−01	8.17	268.178	TiVIII	4	4	0.653e+00	7.17
255.155	OIII	1	3	0.689e−02	9.18	268.250	ScVIII	1	3	0.310e−02	3.01
255.587	PV	2	4	0.150e−01	6.15	268.288	NaV	4	4	0.267e−04	4.17
255.674	PV	2	2	0.710e−02	5.83	268.347	NIII	2	4	0.597e−02	8.25
255.723	FIII	4	2	0.113e+00	5.94	269.072	NIII	2	2	0.544e−03	7.22
255.770	FIII	4	4	0.226e+00	6.24	269.533	TiVIII	4	6	0.980e+00	7.35
255.863	FIII	4	6	0.338e+00	6.42	270.073	NIII	2	4	0.782e−02	8.37
255.88	CoXV	2	2	0.210e+00	6.64	270.305	CaV	5	7	0.740e−01	7.64
256.317	HeII	2	6	0.790e−01	12.30	270.324	CIII	1	3	0.772e−02	8.88
256.37	SiX	2	2	0.115e+00	9.02	270.494	CaV	5	5	0.132e−01	6.89
256.66	SXIII	1	3	0.230e+00	9.04	270.570	CaV	5	3	0.879e−03	5.72
257.16	SX	4	2	0.269e−01	8.11	271.077	NIII	2	2	0.634e−03	7.29
257.385	FeXIV	2	2	0.293e+00	9.39	271.995	SiX	2	2	0.349e−01	8.53
257.43	ClXII	1	3	0.848e−01	6.61	272.09	MnXIII	2	4	0.150e+00	7.14
257.976	CaV	5	5	0.386e−01	7.34	272.523	NIII	2	4	0.110e−01	8.53
258.251	CaV	5	3	0.129e−01	6.86	272.641	SiVII	5	3	0.356e−01	8.54
259.181	CrVII	1	3	0.280e−02	5.54	273.695	CaIII	1	3	0.419e+00	8.40
259.276	AlVII	4	4	0.478e−06	2.57	273.977	NIII	2	2	0.810e−03	7.40
259.296	TiXX	2	4	0.509e−01	6.05	274.051	CIII	1	3	0.113e−01	9.05
259.309	AlVII	4	6	0.465e−07	1.56	274.203	FeXIV	2	2	0.578e−01	8.71
259.52	SX	4	4	0.534e−01	8.41	274.411	TiIX	1	3	0.900e+00	7.32
262.662	OIII	1	3	0.109e−01	9.39	274.461	CaIII	1	3	0.506e−01	7.48
263.22	PX	1	3	0.771e−01	6.88	275.281	OIII	1	3	0.139e−01	9.51
263.246	TiVI	4	2	0.381e+00	6.93	275.352	SiVII	5	5	0.106e+00	9.02
263.390	MnXXI	2	2	0.630e−03	4.75	276.145	MgVII	1	3	0.112e+00	9.07

Table 6. Resonance absorption lines above 228 Å ordered by wavelength

λ, Å	Species	g_i	g_k	f_{ik}	P	λ, Å	Species	g_i	g_k	f_{ik}	P
276.193	NIII	2	4	0.165e−01	8.71	290.965	NaIV	5	3	0.166e−03	4.99
276.364	FeXI	5	3	0.140e−02	7.10	291.020	FeVI	4	2	0.646e−01	8.78
277.232	FeVI	4	6	0.610e−03	6.74	291.3261	CIII	1	3	0.451e−01	9.68
277.42	MnXIII	2	2	0.160e+00	7.18	291.365	FeVI	4	4	0.258e−01	8.39
277.80	MnXXII	1	3	0.130e−02	5.09	291.985	NiXVIII	2	4	0.253e+00	8.12
277.947	FeVI	4	4	0.852e−02	7.88	292.15	ArVI	2	2	0.827e−01	7.94
278.244	FeVI	4	2	0.213e−01	8.28	292.447	NIII	2	4	0.484e−01	9.20
278.26	PXII	1	3	0.251e+00	7.41	292.672	MgVI	4	4	0.188e−06	3.32
278.436	NIII	2	2	0.115e−02	7.56	292.701	MgVI	4	6	0.107e−07	2.08
278.694	AlV	4	2	0.839e−01	7.85	293.15	CrXXI	1	3	0.100e−02	5.15
279.631	OIV	2	2	0.314e−01	9.87	293.742	VXXI	2	2	0.202e−01	4.79
279.733	CrXXII	2	2	0.193e−01	6.41	293.820	FeVI	4	6	0.282e−01	8.43
279.817	ScXIX	2	4	0.523e−01	4.26	294.516	FeVI	4	4	0.112e+00	9.03
280.043	CIII	1	3	0.164e−01	9.22	294.77	CrXII	2	4	0.157e+00	7.35
280.114	AlIX	2	4	0.628e−01	7.73	294.95	MnXIII	2	2	0.190e+00	7.28
280.141	TiIX	1	3	0.390e+00	6.97	295.169	NeII	4	2	0.771e−02	8.45
280.143	CrVI	4	6	0.100e−01	6.13	295.321	NiXII	4	2	0.337e−01	7.25
280.234	OIII	1	3	0.111e−01	9.42	295.634	FeVI	4	6	0.200e−01	8.28
280.992	ScV	4	4	0.730e−01	4.40	296.164	ScV	4	2	0.410e+00	5.17
281.40	SXI	1	3	0.633e−01	8.52	296.311	ScIV	1	3	0.340e+00	5.09
282.070	NIII	2	4	0.271e−01	8.93	296.554	CaIV	4	2	0.159e−02	6.01
282.215	TiVI	4	6	0.100e−02	4.38	296.958	CaIII	1	3	0.117e+01	8.88
282.407	AlIX	2	2	0.124e+00	8.02	298.15	NiXV	1	3	0.740e−01	7.59
283.130	NeIII	5	3	0.735e−03	7.41	298.557	ScVII	4	6	0.110e+01	5.61
283.146	NeIII	5	5	0.110e−01	8.58	299.037	ScIV	1	3	0.800e−01	4.47
283.167	NeIII	5	7	0.618e−01	9.33	299.661	NIII	2	2	0.545e−02	8.26
283.26	PIX	4	2	0.348e−01	6.56	300.08	CrXII	2	2	0.189e+00	7.43
283.8	CrXX	2	2	0.500e−03	4.83	300.153	NaII	1	3	0.122e+00	7.87
283.913	ScV	4	6	0.180e+01	5.80	300.517	SiIV	2	4	0.207e−02	7.34
284.147	FeXV	1	3	0.824e+00	9.88	300.531	SiIV	2	2	0.104e−02	7.04
284.978	CaV	5	3	0.658e−01	7.61	300.560	AlIX	2	2	0.377e−01	7.53
285.100	NaV	4	2	0.955e−05	3.75	301.436	NaII	1	3	0.200e+00	8.09
285.37	PIX	4	4	0.686e−01	6.86	301.741	CaIII	1	3	0.137e+00	7.96
285.470	NaVI	1	3	0.304e−06	2.25	301.913	TiVI	4	6	0.380e−03	3.99
285.855	NIII	2	2	0.191e−02	7.79	302.215	CaXVIII	2	4	0.538e−01	7.55
286.094	SV	1	3	0.984e−01	8.72	302.263	NiXIV	4	4	0.300e−01	7.21
287.440	VVI	1	3	0.210e−02	3.80	303.31	NiXIII	5	5	0.400e−01	7.33
288.423	CIII	1	3	0.325e−02	8.53	303.318	SiXI	1	3	0.265e+00	9.46
288.45	SXII	2	4	0.589e−01	8.50	303.320	FeXIII	1	3	0.649e−01	8.80
289.165	NiXVI	2	4	0.790e−01	7.61	303.411	OIII	1	3	0.160e+00	10.62
289.49	PIX	4	6	0.101e+00	7.04	303.7822	HeII	2	6	0.416e+00	13.09
289.579	TiX	2	4	0.629e+00	7.19	304.85	MnXIV	1	3	0.863e+00	7.95
289.851	ScIV	1	3	0.392e+01	6.15	305.596	OIII	1	3	0.470e+00	11.09
290.467	FeVI	4	6	0.185e−02	7.24	305.761	NIII	2	2	0.679e−02	8.37
290.63	SiIX	1	3	0.795e−01	8.91	307.249	AlVI	5	3	0.376e−01	7.54

Table 6. Resonance absorption lines above 228 Å ordered by wavelength

λ, Å	Species	g_i	g_k	f_{ik}	P	λ, Å	Species	g_i	g_k	f_{ik}	P
307.842	MnVI	5	7	0.230e−02	5.38	323.52	AlVIII	1	3	0.852e−01	7.92
308.853	MnVI	5	5	0.110e−01	6.06	324.477	CaV	5	7	0.973e−02	6.84
309.104	TiXX	2	2	0.212e−01	5.75	324.568	NeII	4	4	0.500e−03	7.30
309.20	PX	1	3	0.890e−01	7.01	324.570	NeII	4	6	0.450e−02	8.25
309.597	AlVI	5	5	0.112e+00	8.02	325.70	CoXIII	4	4	0.330e−01	5.94
309.937	VXX	1	3	0.830e−03	3.43	325.945	VXI	2	2	0.220e+00	5.88
310.1697	CIII	1	3	0.284e−01	9.50	326.028	ScXIX	2	2	0.222e−01	3.95
310.182	MnVI	5	5	0.404e−01	6.63	326.17	CoXII	5	5	0.360e−01	5.98
310.234	SiIV	2	4	0.325e−02	7.55	326.517	NeII	4	4	0.394e−02	8.20
310.257	SiIV	2	2	0.163e−02	7.25	326.542	NeII	4	6	0.354e−01	9.15
310.69	CoXV	2	4	0.780e−01	6.29	326.777	KXVII	2	4	0.558e−01	6.39
311.550	NIII	2	4	0.159e−01	8.74	326.787	NeII	4	2	0.238e−01	8.98
311.806	MgVIII	2	4	0.686e−01	8.91	327.137	SiIV	2	4	0.557e−02	7.81
311.921	NaVI	1	3	0.124e+00	7.90	327.181	SiIV	2	2	0.279e−02	7.51
312.422	CIV	2	4	0.135e+00	10.19	327.244	NeII	4	2	0.704e−02	8.45
312.453	CIV	2	2	0.678e−01	9.89	327.262	NeII	4	4	0.351e−01	9.15
312.542	CoXVII	2	4	0.261e+00	6.82	328.29	CrXIII	1	3	0.901e+00	8.15
313.059	NeIII	5	3	0.546e−01	9.32	328.336	TiXIX	1	3	0.660e−03	4.27
313.539	NeII	4	4	0.137e−02	7.72	328.470	PV	2	4	0.370e−01	6.65
313.743	MgVIII	2	2	0.137e+00	9.21	328.472	NeII	4	2	0.795e−03	7.51
314.31	SiVIII	4	2	0.299e−01	8.52	328.775	PV	2	2	0.180e−01	6.34
314.715	NIII	2	4	0.194e+00	9.84	328.975	NeII	4	4	0.397e−02	8.21
315.219	FIII	4	6	0.676e−01	5.81	329.110	CaIV	4	4	0.820e−01	7.77
315.536	FIII	4	4	0.450e−01	5.63	329.151	NeV	1	3	0.654e−07	3.42
315.65	PXI	2	4	0.731e−01	6.93	329.28	MnXII	1	3	0.540e−01	6.78
315.747	FIII	4	2	0.224e−01	5.33	329.371	CaIV	4	2	0.123e+00	7.95
316.202	SiVIII	4	4	0.594e−01	8.82	329.774	NeII	4	2	0.186e−02	7.88
316.53	NiXIV	4	6	0.460e−01	7.41	330.216	NeII	4	4	0.928e−02	8.58
318.094	CaIV	4	6	0.142e+01	8.99	330.660	NeII	4	4	0.422e−02	8.23
318.385	CaIV	4	4	0.158e+00	8.04	330.790	NeII	4	6	0.379e−01	9.19
318.452	NeII	4	2	0.502e−03	7.29	331.434	CaIV	4	4	0.611e+00	8.65
318.615	ScIX	2	4	0.670e+00	5.42	331.767	TiVI	4	2	0.190e−03	3.73
318.825	NeII	4	4	0.251e−02	7.99	331.986	CaIV	4	6	0.732e+00	8.73
318.85	CoXI	4	2	0.343e−01	5.95	332.140	NIII	2	2	0.614e−02	8.36
318.89	CrXII	2	2	0.170e+00	7.41	332.783	AlX	1	3	0.287e+00	8.46
319.829	SiVIII	4	6	0.882e−01	9.00	333.44	CaVI	4	2	0.417e+00	8.48
320.558	NiXVIII	2	2	0.114e+00	7.81	333.857	CaV	5	3	0.405e−02	6.47
320.626	VXI	2	4	0.164e+00	5.74	334.056	NeIV	4	2	0.551e−05	5.35
320.9943	MgIV	4	2	0.871e−01	9.03	334.14	CaVI	4	4	0.832e+00	8.78
321.609	CaV	5	3	0.117e−03	4.92	334.178	FeXIV	2	4	0.709e−01	8.88
322.5741	CIII	1	3	0.452e−01	9.72	335.230	MgVIII	2	2	0.410e−01	8.72
322.757	CaV	5	5	0.175e−02	6.09	335.33	CaVI	4	6	0.124e+01	8.96
323.365	TiV	1	3	0.190e−02	4.72	335.344	CaV	5	5	0.121e−01	6.95
323.436	NIII	2	4	0.173e−01	8.80	335.407	FeXVI	2	4	0.265e+00	9.46
323.493	NIII	2	2	0.348e−01	9.10	335.664	NaV	4	4	0.793e−07	1.74

Table 6. Resonance absorption lines above 228 Å ordered by wavelength

λ, Å	Species	g_i	g_k	f_{ik}	P	λ, Å	Species	g_i	g_k	f_{ik}	P
335.702	NaV	4	6	0.836e−09	-0.24	355.815	TiX	2	2	0.247e+00	6.87
337.56	ArV	1	3	0.142e+00	8.24	356.5405	NeII	4	4	0.110e−01	8.68
338.82	CoXIII	4	6	0.470e−01	6.11	356.7995	NeII	4	6	0.994e−01	9.64
338.822	CaIV	4	2	0.105e+00	7.89	356.880	AlVII	4	6	0.939e−01	8.01
338.824	CaVII	1	3	0.114e+01	8.93	357.95	NeV	1	3	0.139e+00	9.79
339.494	CoXVII	2	2	0.119e+00	6.52	357.969	CaIII	1	3	0.383e+01	9.48
340.282	CaIV	4	4	0.522e+00	8.59	359.203	CrXI	1	3	0.550e−01	6.98
340.389	CaV	5	3	0.283e+00	8.32	360.798	FeXVI	2	2	0.122e+00	9.15
341.113	FeXI	5	3	0.160e−01	8.25	360.97	MnXV	2	4	0.281e+00	7.54
341.291	CaIV	4	2	0.450e+00	8.53	361.4326	NeII	4	2	0.980e−02	8.64
341.95	SiIX	1	3	0.705e−01	8.93	361.560	SiIV	2	4	0.108e−01	8.14
344.772	CaXVIII	2	2	0.236e−01	7.25	361.57	MnXIII	2	4	0.760e−01	6.97
345.448	NeIII	5	3	0.996e−04	6.63	361.659	SiIV	2	2	0.537e−02	7.84
345.723	FeX	4	2	0.286e−01	8.51	363.444	FeV	1	3	0.439e−02	7.71
346.123	VXI	2	2	0.160e+00	5.76	363.770	MgVII	1	3	0.920e−01	9.10
346.690	ScXVII	2	2	0.230e−03	1.99	364.468	FeXII	4	6	0.507e−01	8.78
346.852	FeXII	4	2	0.177e−01	8.30	365.440	FeV	1	3	0.769e−01	8.96
347.021	CaVII	1	3	0.464e+00	8.55	365.656	KXVII	2	2	0.248e−01	6.09
347.417	SiX	2	4	0.662e−01	8.91	366.7	NiXVII	1	3	0.350e−02	6.36
348.184	FeXIII	1	3	0.533e−01	8.78	367.308	ArIII	5	7	0.179e−01	7.38
348.605	ScXVIII	1	3	0.510e−03	2.34	367.393	ArIII	5	5	0.320e−02	6.63
348.789	FII	5	3	0.557e−02	4.77	367.474	ArIII	5	3	0.214e−03	5.46
348.795	FII	5	5	0.168e−01	5.25	367.555	ArIII	5	3	0.128e−01	7.23
349.639	ArIII	5	5	0.497e−02	6.80	368.071	MgIX	1	3	0.314e+00	9.64
349.795	ArIII	5	3	0.166e−02	6.32	368.091	ArIII	5	3	0.185e−01	7.39
350.610	TiX	2	4	0.172e+00	6.71	368.313	ArIII	5	5	0.555e−01	7.87
350.645	NaVII	2	4	0.754e−01	7.73	368.990	SiV	2	2	0.159e−01	8.04
351.088	MgV	5	3	0.396e−01	8.72	369.646	CaIV	4	4	0.215e−02	6.24
352.107	FeXII	4	4	0.350e−01	8.60	369.858	FII	5	3	0.131e−02	4.17
352.145	AlVII	4	2	0.317e−01	7.53	370.402	CaIV	4	6	0.192e−01	7.19
352.2466	NeII	4	2	0.252e−02	8.04	370.732	FII	5	3	0.647e−04	2.86
352.275	NaVII	2	2	0.150e+00	8.03	370.733	FII	5	5	0.970e−03	4.04
352.661	FeXI	5	5	0.464e−01	8.72	370.736	FII	5	7	0.543e−02	4.78
352.9561	NeII	4	4	0.125e−01	8.73	370.956	FII	5	3	0.261e−03	3.47
353.091	MgV	5	5	0.118e+00	9.20	370.970	FII	5	5	0.392e−02	4.64
353.423	FII	5	5	0.215e−01	5.36	370.990	FII	5	7	0.219e−01	5.39
353.466	FII	5	3	0.716e−02	4.88	371.037	CaXVII	1	3	0.394e−03	5.50
353.769	AlVII	4	4	0.631e−01	7.83	371.160	ScIV	1	3	0.160e−02	2.86
353.92	ArXVI	2	4	0.579e−01	7.87	371.729	ArIII	5	5	0.895e−02	7.08
354.165	CaVIII	2	4	0.768e+00	8.77	371.746	ArIII	5	7	0.502e−01	7.83
354.485	ArIII	5	5	0.876e−02	7.05	371.776	ArIII	5	3	0.597e−03	5.91
354.610	ArIII	5	3	0.292e−02	6.58	372.075	NaII	1	3	0.212e+00	8.21
354.9622	NeII	4	4	0.327e−01	9.15	374.005	OIII	1	3	0.831e−01	10.42
355.11	VXII	1	3	0.947e+00	6.55	374.204	NIII	2	4	0.441e+00	10.27
355.4541	NeII	4	2	0.654e−02	8.46	374.609	FIII	4	2	0.239e−05	1.43

Table 6. Resonance absorption lines above 228 Å ordered by wavelength

λ, Å	Species	g_i	g_k	f_{ik}	P	λ, Å	Species	g_i	g_k	f_{ik}	P
375.147	FIII	4	4	0.699e−05	1.90	392.002	OII	4	6	0.821e−01	10.44
375.237	FII	5	3	0.172e−01	5.29	393.00	CrXII	2	4	0.770e−01	7.16
375.303	FII	5	5	0.516e−01	5.77	393.469	VX	1	3	0.570e−01	5.37
375.4	FII	5	3	0.231e−01	5.42	393.675	FII	5	7	0.322e−01	5.58
376.372	BIII	2	4	0.150e−01	3.63	393.677	FII	5	5	0.575e−02	4.83
376.624	FII	5	3	0.512e−03	3.77	393.678	FII	5	3	0.383e−03	3.66
376.650	FII	5	5	0.769e−02	4.94	393.743	MnXI	4	6	0.480e−01	6.81
376.687	FII	5	7	0.430e−01	5.69	395.919	ArIII	5	3	0.238e−01	7.53
376.693	OII	4	4	0.290e−01	9.97	396.004	KXVI	1	3	0.296e−03	4.20
376.745	OII	4	6	0.436e−01	10.15	396.369	ArIII	5	7	0.139e+00	8.30
376.778	MnIX	4	2	0.355e−01	6.66	396.422	ArIII	5	5	0.248e−01	7.55
376.850	FII	5	3	0.118e−02	4.13	396.87	ArIV	4	6	0.613e−01	7.95
377.154	MnXI	4	2	0.170e−01	6.34	398.55	ArIV	4	4	0.407e−01	7.77
378.135	TiX	2	2	0.150e+00	6.68	399.289	MgVI	4	2	0.341e−01	8.71
378.136	NaIII	4	2	0.889e−01	7.84	399.63	ArIV	4	2	0.203e−01	7.47
378.22	NaVII	2	2	0.453e−01	7.54	399.82	NeVI	2	4	0.844e−01	9.62
378.676	FII	5	3	0.868e−04	3.00	400.676	MgVI	4	4	0.678e−01	9.01
378.680	FII	5	5	0.130e−02	4.17	401.14	NeVI	2	2	0.168e+00	9.92
378.684	FII	5	7	0.729e−02	4.92	402.801	FIII	4	2	0.291e−05	1.55
381.15	AlVIII	1	3	0.749e−01	7.94	403.315	MgVI	4	6	0.101e+00	9.19
382.142	MnXI	4	4	0.320e−01	6.62	403.724	CaIII	1	3	0.700e+00	8.79
383.036	MnX	5	5	0.340e−01	6.64	405.8480	NeII	4	4	0.652e−02	8.51
383.96	ClXV	2	4	0.609e−01	6.64	405.8538	NeII	4	6	0.586e−01	9.47
384.74	MnXV	2	2	0.130e+00	7.23	407.764	CaVII	1	3	0.270e+00	8.38
384.95	AlIX	2	4	0.708e−01	7.92	408.378	SiIII	1	3	0.286e−02	7.62
385.460	NII	1	3	0.200e−02	7.94	408.6836	NaIV	5	3	0.419e−01	7.54
385.869	ScIX	2	4	0.182e+00	4.94	410.3715	NaIV	5	5	0.126e+00	8.02
386.140	TiXI	1	3	0.992e+00	7.51	411.145	NaVIII	1	3	0.348e+00	8.47
386.2028	CIII	1	3	0.232e+00	10.51	411.655	CrX	4	2	0.170e−01	6.52
386.261	FeV	1	3	0.173e+00	9.33	411.810	BIII	2	4	0.331e−01	4.01
386.27	MnXII	1	3	0.660e−01	6.94	411.99	CrXIV	2	2	0.137e+00	7.43
387.651	OII	4	6	0.189e−02	8.79	412.629	CrXI	1	3	0.630e−01	7.09
387.901	OII	4	4	0.127e−02	8.62	413.112	CrVIII	4	2	0.357e−01	6.85
387.984	FeV	1	3	0.807e−01	9.01	414.370	NaVI	1	3	0.100e+00	7.93
388.058	OII	4	2	0.632e−03	8.32	415.50	ClXV	2	2	0.280e−01	6.34
388.318	PIV	1	3	0.100e+00	7.16	416.041	ScIX	2	2	0.140e+00	4.86
388.5	CoXVI	1	3	0.370e−02	5.07	416.690	CrX	4	4	0.330e−01	6.82
389.14	ArXVI	2	2	0.263e−01	7.57	417.24	FeXV	1	3	0.320e−02	7.64
389.81	CrXIV	2	4	0.292e+00	7.74	417.61	SXIV	2	4	0.639e−01	8.70
390.15	ClV	2	2	0.910e−01	6.82	418.290	CrIX	5	5	0.370e−01	6.87
390.225	FII	5	3	0.379e−02	4.65	418.598	OII	4	6	0.734e−02	9.42
390.888	ScIX	2	2	0.290e+00	5.14	418.881	OII	4	4	0.489e−02	9.24
391.558	SiV	2	4	0.514e−04	5.57	419.065	OII	4	2	0.244e−02	8.94
391.912	OII	4	2	0.273e−01	9.96	419.645	FIV	1	3	0.158e+00	6.30
391.943	OII	4	4	0.548e−01	10.26	422.013	FII	5	3	0.106e−01	5.13

Table 6. Resonance absorption lines above 228 Å ordered by wavelength

λ, Å	Species	g_i	g_k	f_{ik}	P	λ, Å	Species	g_i	g_k	f_{ik}	P
422.785	V XIII	2	4	0.305e+00	6.13	443.429	V XIII	2	2	0.145e+00	5.83
422.850	Sc X	1	3	0.105e+01	5.74	445.0397	Ne II	4	2	0.195e−01	9.03
423.487	Ti IV	4	6	0.198e+00	6.85	445.77	S XIV	2	2	0.299e−01	8.39
423.817	Si III	1	3	0.181e−02	7.43	445.997	Ar V	1	3	0.140e+01	9.36
424.01	Ar XV	1	3	0.218e−03	5.53	446.2556	Ne II	4	4	0.974e−01	9.73
426.402	N II	1	3	0.172e−02	7.92	447.4	Mn XIV	1	3	0.240e−02	5.56
426.644	Si III	1	3	0.415e−03	6.80	448.2921	N II	1	3	0.257e−02	8.11
426.822	N II	1	3	0.511e−02	8.39	448.9396	N II	1	3	0.158e−02	7.90
427.551	Cr X	4	6	0.480e−01	6.99	450.564	Ca IV	4	2	0.146e−03	5.16
427.979	N II	1	3	0.651e−03	7.50	451.20	Ar IV	4	2	0.521e+00	8.93
428.094	Ca VIII	2	4	0.194e+00	8.26	451.869	N III	2	2	0.316e−01	9.20
428.692	N II	1	3	0.672e−02	8.51	451.87	Ar IV	4	4	0.104e+01	9.23
429.134	Mg VII	1	3	0.801e−01	9.12	452.132	V IX	4	2	0.170e−01	4.91
429.232	V XI	2	4	0.740e−01	5.52	452.522	V X	1	3	0.610e−01	5.46
429.5	N II	1	3	0.125e−01	8.78	452.639	N II	1	3	0.222e−01	9.05
429.918	O II	4	2	0.618e−01	10.35	452.91	Ar IV	4	6	0.156e+01	9.41
430.041	O II	4	4	0.124e+00	10.66	453.237	N II	1	3	0.625e−01	9.50
430.177	O II	4	6	0.186e+00	10.83	454.558	Ca IV	4	4	0.726e−03	5.86
430.467	Mg VIII	2	4	0.763e−01	9.10	454.84	Cl XIV	1	3	0.157e−03	4.12
430.914	F II	5	7	0.817e−01	6.03	455.444	Fe III	9	7	0.373e−04	5.74
430.915	F II	5	5	0.146e−01	5.28	455.639	Fe III	9	9	0.560e−03	6.92
430.917	F II	5	3	0.974e−03	4.10	455.67	P XIII	2	4	0.680e−01	7.06
431.259	N II	1	3	0.509e−03	7.39	455.756	Fe III	9	11	0.410e−02	7.78
431.455	N II	1	3	0.853e−02	8.62	456.284	V VII	4	2	0.358e−01	5.23
432.632	F II	5	3	0.886e−02	5.06	457.010	V IX	4	4	0.330e−01	5.20
432.869	Ca VIII	2	2	0.382e+00	8.56	457.48	Ar VI	2	4	0.942e+00	9.19
433.042	Ti IV	4	4	0.150e−02	4.74	457.818	Si IV	2	4	0.236e−01	8.58
433.176	Ne VI	2	2	0.505e−01	9.43	458.12	Ar V	1	3	0.579e+00	8.98
433.567	Ti IX	1	3	0.583e−01	6.33	458.155	Si IV	2	2	0.118e−01	8.28
433.635	Ti IV	4	2	0.775e−02	5.46	459.799	V VIII	5	5	0.400e−01	5.28
434.559	Ca IV	4	6	0.609e−02	6.76	459.897	Na V	4	2	0.364e−01	7.53
434.671	N II	1	3	0.562e−02	8.44	460.7284	Ne II	4	2	0.857e−01	9.69
435.309	N II	1	3	0.107e−01	8.72	460.741	Ti XII	2	4	0.320e+00	7.10
435.636	Cr V	5	5	0.800e−02	6.22	461.051	Na V	4	4	0.727e−01	7.84
435.636	F II	5	5	0.264e−01	5.54	461.711	Ca VIII	2	2	0.766e−01	7.89
436.1072	N II	1	3	0.382e−01	9.27	463.263	Na V	4	6	0.109e+00	8.01
437.255	Si III	1	3	0.483e−02	7.87	464.367	F V	2	4	0.963e−01	6.13
437.655	Cr V	5	5	0.373e−01	6.89	464.974	Ar II	4	2	0.972e−02	7.22
437.752	Ca IV	4	4	0.672e−03	5.81	465.221	Ne VII	1	3	0.389e+00	10.35
438.773	C II	2	4	0.128e−02	8.31	465.374	F V	2	2	0.192e+00	6.43
438.824	C II	2	2	0.257e−02	8.61	465.8365	Ar II	4	6	0.101e−01	7.23
439.603	N II	1	3	0.670e−03	7.52	466.129	Si III	1	3	0.141e−01	8.37
439.691	Ca III	1	3	0.165e−02	6.20	466.240	Ca IX	1	3	0.109e+01	9.05
441.599	N II	1	3	0.136e−01	8.83	466.352	C II	2	4	0.297e−02	8.70
442.052	N II	1	3	0.461e−01	9.36	466.407	C II	2	2	0.592e−02	9.00

Table 6. Resonance absorption lines above 228 Å ordered by wavelength

λ, Å	Species	g_i	g_k	f_{ik}	P	λ, Å	Species	g_i	g_k	f_{ik}	P
466.53	ArIII	5	3	0.891e−01	8.18	488.108	NeIII	5	3	0.438e−01	9.42
466.7373	NII	1	3	0.364e−02	8.28	488.451	ArIII	5	3	0.258e+00	8.66
467.143	VIX	4	6	0.490e−01	5.38	488.7926	ArII	4	6	0.180e+00	8.50
467.399	ArIII	5	5	0.267e+00	8.66	488.962	ArII	4	2	0.190e−01	7.53
469.6301	ArII	4	6	0.193e−01	7.52	489.1953	ArII	4	4	0.200e−01	7.55
469.633	ArII	4	4	0.214e−02	6.56	489.505	NeIII	5	5	0.131e+00	9.90
471.574	TiX	2	4	0.740e−01	6.47	489.580	NaVI	1	3	0.860e−01	7.93
471.921	FII	5	3	0.697e−03	4.00	490.549	CaIII	1	3	0.173e−03	5.27
471.952	FII	5	5	0.104e−01	5.17	491.44	SXIII	1	3	0.111e−03	6.01
471.999	FII	5	7	0.586e−01	5.92	494.559	FeIII	9	7	0.609e−02	7.99
473.028	ArIII	5	3	0.180e−01	7.49	497.000	FeIII	9	9	0.783e−03	7.10
473.922	ArIII	5	5	0.269e+00	8.67	497.101	FeIII	9	7	0.157e−03	6.40
474.4909	NII	1	3	0.436e−01	9.37	498.4460	ArII	4	2	0.583e−02	7.02
475.153	OIII	1	3	0.150e−05	5.78	499.40	SiXII	2	4	0.719e−01	9.11
475.6481	NII	1	3	0.119e+00	9.80	499.479	TiIX	1	3	0.580e−01	6.39
475.9054	ArII	4	6	0.106e+00	8.26	499.9192	ArII	4	4	0.291e−01	7.72
476.351	SIII	1	3	0.270e−01	8.38	500.0450	ArII	4	4	0.325e−03	5.77
476.436	ArIII	5	7	0.150e+01	9.41	500.116	TiVIII	4	2	0.170e−01	5.86
477.105	ArII	4	4	0.531e−01	7.96	500.8016	ArII	4	6	0.292e−02	6.73
477.524	ArII	4	4	0.117e−01	7.31	501.1897	ArII	4	4	0.248e−02	6.65
479.006	ArII	4	2	0.147e−02	6.41	501.3872	ArII	4	2	0.495e−03	5.95
479.881	TiXII	2	2	0.152e+00	6.79	501.851	FeIII	9	7	0.107e−03	6.24
480.193	ArII	4	4	0.733e−02	7.11	501.976	FeIII	9	9	0.161e−02	7.42
480.41	NeV	1	3	0.110e+00	9.81	502.160	FeIII	9	11	0.117e−01	8.28
480.42	PXIII	2	2	0.321e−01	6.76	502.841	SXII	2	4	0.188e−05	4.25
480.533	SIII	1	3	0.179e−01	8.20	504.801	TiVIII	4	4	0.330e−01	6.15
481.321	ScVIII	1	3	0.590e−01	4.54	505.108	ScXI	2	4	0.337e+00	5.32
481.854	ArIII	5	3	0.226e+00	8.60	506.159	FV	2	2	0.574e−01	5.94
482.2	CrXIII	1	3	0.190e−02	5.64	506.2000	HeI	1	3	0.119e−02	10.77
482.455	FeIII	9	11	0.323e−01	8.70	506.5702	HeI	1	3	0.150e−02	10.87
482.467	FeIII	9	9	0.440e−02	7.84	507.0576	HeI	1	3	0.188e−02	10.97
482.479	FeIII	9	7	0.293e−03	6.66	507.391	OIII	1	3	0.185e+00	10.90
482.552	ArIII	5	5	0.675e+00	9.07	507.7178	HeI	1	3	0.259e−02	11.11
484.172	SIII	1	3	0.578e−01	8.72	508.388	ArXIV	2	2	0.902e−04	5.22
486.068	FeIII	9	7	0.114e−02	7.25	508.439	ArIII	5	7	0.158e+00	8.46
486.211	FeIII	9	9	0.571e−02	7.95	508.575	TiVI	4	2	0.355e−01	6.19
486.740	NaVII	2	4	0.829e−01	7.92	508.607	ArIII	5	5	0.282e−01	7.72
486.8839	AlIII	2	4	0.178e−02	6.42	508.6431	HeI	1	3	0.369e−02	11.26
486.9124	AlIII	2	2	0.890e−03	6.12	508.668	ArIII	5	3	0.188e−02	6.54
487.068	ArXIV	2	4	0.372e−05	3.82	508.669	NII	1	3	0.105e−01	8.78
487.2272	ArII	4	2	0.932e−01	8.22	509.9979	HeI	1	3	0.553e−02	11.44
487.278	ArII	4	4	0.953e−01	8.23	510.5509	ArII	4	4	0.956e−03	6.25
487.341	FeIII	9	11	0.291e−04	5.66	510.5564	ArII	4	6	0.860e−02	7.20
487.585	FeIII	9	9	0.397e−05	4.80	511.1384	AlIII	2	4	0.296e−02	6.66
487.799	FeIII	9	7	0.264e−06	3.62	511.1907	AlIII	2	2	0.148e−02	6.36

Table 6. Resonance absorption lines above 228 Å ordered by wavelength

λ, Å	Species	g_i	g_k	f_{ik}	P	λ, Å	Species	g_i	g_k	f_{ik}	P
512.0982	HeI	1	3	0.883e−02	11.65	546.1768	ArII	4	4	0.404e−01	7.90
514.206	TiVIII	4	6	0.490e−01	6.33	546.852	FII	5	3	0.555e−01	5.96
515.278	SXII	2	2	0.448e−04	5.63	547.541	BII	1	3	0.242e−01	4.00
515.6165	HeI	1	3	0.154e−01	11.89	548.91	ArVI	2	2	0.433e+00	8.94
518.244	BIII	2	4	0.102e+00	4.60	549.3195	CII	2	4	0.607e−02	9.08
518.271	BIII	2	2	0.511e−01	4.30	549.3785	CII	2	2	0.121e−01	9.38
518.9088	ArII	4	4	0.383e−01	7.86	550.03	AlXI	2	4	0.773e−01	8.11
519.3269	ArII	4	6	0.345e+00	8.81	551.17	SiV	2	2	0.869e−01	8.95
519.382	KVIII	1	3	0.114e+01	7.90	551.680	CII	2	2	0.112e−02	8.35
520.67	SiXII	2	2	0.345e−01	8.80	553.330	OIV	2	4	0.112e+00	10.72
521.894	ScIX	2	4	0.730e−01	4.67	553.465	ArIII	5	3	0.122e+00	8.39
522.094	ArV	1	3	0.305e+00	8.76	554.075	OIV	2	2	0.224e+00	11.02
522.2128	HeI	1	3	0.307e−01	12.19	555.672	ScVIII	1	3	0.550e−01	4.58
522.4	VXII	1	3	0.140e−02	3.88	555.7659	ArII	4	4	0.174e−05	3.55
522.777	ScXI	2	2	0.161e+00	5.02	556.8169	ArII	4	6	0.157e−04	4.50
524.6803	ArII	4	4	0.131e+00	8.40	557.763	CaX	2	4	0.343e+00	8.62
525.689	FeIV	6	8	0.183e+00	9.49	558.044	ScVII	4	2	0.160e−01	4.04
526.293	FeIV	6	6	0.138e+00	9.37	558.59	NeVI	2	4	0.907e−01	9.79
526.4969	ArII	4	2	0.260e−01	7.70	558.755	SII	4	2	0.624e−02	7.81
526.634	FeIV	6	4	0.914e−01	9.19	558.924	SII	4	4	0.125e−01	8.11
529.3572	NII	1	3	0.103e+00	9.79	559.131	SII	4	6	0.187e−01	8.29
529.896	ArIII	5	7	0.266e−01	7.71	560.2394	CII	2	4	0.571e−01	10.07
530.274	CII	2	4	0.362e−01	9.84	560.3173	AlIII	2	4	0.535e−02	6.96
530.455	ArIII	5	3	0.902e−03	6.24	560.4331	AlIII	2	2	0.267e−02	6.66
532.09	PXII	1	3	0.756e−03	5.17	562.504	ScVII	4	4	0.320e−01	4.35
532.410	ArIII	5	5	0.473e−02	6.96	566.613	SiIII	1	3	0.155e−01	8.49
533.5099	NII	1	3	0.299e+00	10.25	568.15	AlXI	2	2	0.375e−01	7.81
534.268	ArIII	5	3	0.314e−03	5.78	568.42	NeV	1	3	0.928e−01	9.81
535.207	FVI	1	3	0.443e+00	6.85	569.3	TiXI	1	3	0.130e−02	4.80
537.0296	HeI	1	3	0.752e−01	12.60	570.640	FIV	1	3	0.122e+00	6.32
538.406	CII	2	2	0.605e−03	8.07	571.156	SII	4	2	0.120e−01	8.11
539.0855	OII	4	6	0.652e−01	10.48	571.249	ScVII	4	6	0.480e−01	4.53
539.396	CaVII	1	3	0.665e−01	7.89	571.364	SII	4	4	0.241e−01	8.41
539.5489	OII	4	4	0.435e−01	10.30	571.779	SII	4	6	0.360e−01	8.58
539.8544	OII	4	2	0.217e−01	10.00	572.0136	ArII	4	2	0.515e−01	8.03
541.127	NeIV	4	2	0.390e−01	9.41	573.355	ScV	4	2	0.346e−01	4.39
541.182	FeIII	9	11	0.568e−01	9.00	573.3619	ArII	4	4	0.257e+00	8.73
541.186	FeIII	9	9	0.775e−02	8.13	574.010	CaX	2	2	0.166e+00	8.32
541.188	FeIII	9	7	0.517e−03	6.96	574.397	SII	4	6	0.368e−02	7.60
542.073	NeIV	4	4	0.779e−01	9.72	576.057	SII	4	4	0.244e−02	7.42
543.2032	ArII	4	2	0.130e+00	8.41	576.8748	CII	2	2	0.234e−02	8.69
543.257	CII	2	4	0.349e−01	9.84	576.978	SII	4	2	0.122e−02	7.12
543.7305	ArII	4	2	0.811e−02	7.20	578.6043	ArII	4	4	0.550e−01	8.06
543.891	NeIV	4	6	0.116e+00	9.89	580.2631	ArII	4	6	0.493e+00	9.02
544.73	ArVI	2	4	0.218e+00	8.63	580.85	SiXI	1	3	0.499e−04	6.01

Table 6. Resonance absorption lines above 228 Å ordered by wavelength

λ, Å	Species	g_i	g_k	f_{ik}	P	λ, Å	Species	g_i	g_k	f_{ik}	P
582.845	CaVIII	2	4	0.725e−01	7.97	644.6337	NII	1	3	0.224e+00	10.21
584.3340	HeI	1	3	0.285e+00	13.21	646.534	CaV	5	5	0.410e−01	7.76
585.75	ArVII	1	3	0.124e+01	9.42	654.029	FV	2	4	0.999e−01	6.30
586.195	BII	1	3	0.514e−01	4.36	656.001	CaIV	4	2	0.295e−01	7.63
588.84	FI	4	2	0.197e+00	6.54	656.121	FIII	4	2	0.418e−01	5.92
588.92	ArVI	2	2	0.873e−01	8.27	656.329	FIII	4	6	0.126e+00	6.40
593.507	SII	4	2	0.276e−01	8.48	656.869	FIII	4	4	0.835e−01	6.22
593.835	SII	4	4	0.552e−01	8.79	657.34	SIV	2	4	0.118e+01	10.16
594.072	FeIII	9	7	0.109e−01	8.32	658.398	KVII	2	4	0.440e+00	7.59
594.475	SII	4	6	0.828e−01	8.96	661.8689	ArII	4	6	0.793e−01	8.28
594.8000	CII	2	4	0.117e+00	10.40	662.267	SII	4	6	0.277e−01	8.53
597.7000	ArII	4	2	0.686e−01	8.17	664.315	SII	4	4	0.184e−01	8.36
600.661	SII	4	6	0.768e−02	7.93	664.5622	ArII	4	4	0.877e−02	7.33
602.446	SII	4	4	0.511e−02	7.76	665.519	SII	4	2	0.917e−02	8.06
603.430	SII	4	2	0.255e−02	7.46	671.1	FI	4	2	0.315e−02	4.81
605.670	FII	5	3	0.441e−01	5.91	671.3580	ClVI	1	3	0.128e+01	8.20
606.804	FII	5	5	0.132e+00	6.38	671.4102	NII	1	3	0.766e−01	9.76
607.903	SiX	2	4	0.853e−06	4.26	671.8513	ArII	4	6	0.781e−01	8.28
607.931	KII	1	3	0.216e−03	4.25	672.8562	ArII	4	4	0.866e−02	7.33
608.398	OIV	2	2	0.670e−01	10.54	675.607	AlIX	2	4	0.546e−06	3.05
609.79	MgX	2	4	0.842e−01	9.29	676.119	FIV	1	3	0.100e+00	6.31
615.6283	NeI	1	3	0.648e−02	8.69	677.746	SIII	1	3	0.164e+01	10.32
617.055	SiX	2	2	0.202e−04	5.65	679.024	AlII	1	3	0.856e−03	6.24
618.6716	NeI	1	3	0.160e−01	9.09	680.698	FI	4	2	0.195e−01	5.60
619.1023	NeI	1	3	0.569e−02	8.64	681.470	SIII	1	3	0.683e−01	8.94
621.452	KIX	2	4	0.362e+00	7.48	681.72	NaIX	2	4	0.924e−01	8.11
624.385	CaVII	1	3	0.503e−01	7.84	682.923	VIV	5	5	0.482e−01	5.54
624.95	MgX	2	2	0.410e−01	8.99	683.480	AlIX	2	2	0.130e−04	4.43
626.8232	NeI	1	3	0.131e−01	9.00	683.529	AlII	1	3	0.945e−03	6.29
627.0693	ScIII	4	6	0.700e−01	4.73	684.996	NIII	2	4	0.135e+00	10.02
629.602	CaVI	4	2	0.160e−01	7.34	685.513	NIII	2	2	0.268e+00	10.31
629.730	OV	1	3	0.515e+00	11.44	686.4883	ArII	4	4	0.374e−03	5.97
629.7388	NeI	1	3	0.856e−02	8.82	687.0526	CII	2	4	0.336e+00	10.92
633.844	CaVI	4	4	0.318e−01	7.64	689.936	AlII	1	3	0.995e−03	6.32
635.9945	CII	2	2	0.614e−02	9.15	691.0373	ArII	4	2	0.742e−04	5.27
636.325	KIX	2	2	0.177e+00	7.18	693.947	BII	1	3	0.993e−01	4.72
636.824	ArIII	5	3	0.267e−04	4.79	694.27	NaIX	2	2	0.454e−01	7.81
637.256	ArIII	5	5	0.400e−03	5.97	695.8289	AlIII	2	4	0.926e−02	7.29
637.288	ArIII	5	7	0.225e−02	6.72	696.2170	AlIII	2	2	0.462e−02	6.99
637.917	CaV	5	3	0.139e−01	7.29	698.731	SIII	1	3	0.783e+00	10.01
637.99	AlX	1	3	0.317e−04	4.79	699.489	AlII	1	3	0.105e−02	6.35
640.412	SII	4	2	0.868e−01	9.01	700.245	ArVIII	2	4	0.385e+00	8.99
640.902	SII	4	4	0.174e+00	9.32	702.332	OIII	1	3	0.137e+00	10.91
641.767	SII	4	6	0.260e+00	9.49	705.364	ArV	1	3	0.613e−01	8.20
641.904	CaVI	4	6	0.471e−01	7.82	705.72	MgIX	1	3	0.193e−04	5.71

Table 6. Resonance absorption lines above 228 Å ordered by wavelength

λ, Å	Species	g_i	g_k	f_{ik}	P	λ, Å	Species	g_i	g_k	f_{ik}	P
710.526	KVI	1	3	0.470e+00	7.65	748.37	ZnI	1	3	0.151e−02	4.70
713.812	ArVIII	2	2	0.188e+00	8.69	748.380	OI	5	5	0.333e−02	9.33
714.695	AlII	1	3	0.110e−02	6.38	748.400	SiIV	2	2	0.500e+00	9.84
718.0898	ArII	4	2	0.364e−01	7.98	748.580	FI	4	6	0.869e−02	5.29
720.440	KV	4	2	0.160e+00	7.19	750.610	FI	4	2	0.115e−02	4.42
723.3605	ArII	4	4	0.181e+00	8.68	751.861	FI	4	4	0.576e−02	5.12
724.289	SiII	1	3	0.352e+00	9.68	753.713	SiII	2	4	0.914e−03	7.39
724.441	KV	4	4	0.320e+00	7.50	754.191	SiII	2	2	0.183e−02	7.69
725.71	BeII	2	6	0.506e−02	1.98	754.93	ArVI	2	4	0.668e−01	8.26
727.470	FI	4	4	0.315e−03	3.84	755.765	OI	5	3	0.199e−02	9.11
727.530	FI	4	6	0.283e−02	4.79	755.790	OI	5	5	0.597e−02	9.58
727.682	FeIII	9	7	0.775e−02	8.26	758.938	MgVIII	2	4	0.334e−06	3.98
728.812	FeIII	9	9	0.387e−01	8.96	763.340	NIII	2	2	0.820e−01	9.85
730.5997	ScIII	4	6	0.140e+00	5.10	763.657	SII	4	2	0.398e+00	9.75
731.869	KV	4	6	0.480e+00	7.68	764.420	SII	4	4	0.795e+00	10.05
732.129	FI	4	4	0.107e−02	4.37	765.148	NIV	1	3	0.616e+00	10.72
733.030	FI	4	2	0.214e−03	3.68	765.51	ZnI	1	3	0.200e−02	4.83
734.296	FeIII	9	11	0.132e−01	8.50	765.644	KIII	4	2	0.220e+00	7.36
734.478	FI	4	2	0.549e−03	4.09	765.693	SII	4	6	0.119e+01	10.23
734.679	FI	4	4	0.527e−03	4.07	765.708	MgVIII	2	2	0.796e−05	5.36
734.795	FI	4	6	0.474e−02	5.02	769.3528	OI	5	3	0.477e−02	9.49
735.247	FeIII	9	7	0.120e−03	6.46	769.4083	OI	5	5	0.143e−01	9.97
735.344	FeIII	9	9	0.180e−02	7.63	770.409	NeVIII	2	4	0.103e+00	9.99
735.469	FI	4	4	0.275e−02	4.79	775.362	BeII	2	4	0.992e−02	2.31
735.8962	NeI	1	3	0.149e+00	10.13	775.365	BeII	2	2	0.496e−02	2.00
737.146	KIV	5	3	0.180e+00	7.25	776.762	TiIV	4	4	0.130e−01	5.93
737.4537	ArII	4	2	0.150e−03	5.60	776.926	FI	4	4	0.354e−02	4.92
737.669	OI	5	3	0.282e−03	8.25	778.088	FI	4	2	0.707e−03	4.22
737.683	OI	5	5	0.848e−03	8.73	779.538	ScIII	4	4	0.130e−02	3.10
739.071	OI	5	3	0.363e−03	8.36	779.910	FI	4	4	0.195e−02	4.66
739.085	OI	5	5	0.109e−02	8.84	780.324	NeVIII	2	2	0.505e−01	9.69
740.2691	ArII	4	4	0.250e−02	6.83	780.390	FI	4	6	0.176e−01	5.62
741.031	OI	5	3	0.493e−03	8.49	780.5966	ScIII	4	2	0.630e−02	3.78
741.055	OI	5	5	0.148e−02	8.97	781.730	TiIV	4	2	0.650e−01	6.64
741.182	AlII	1	3	0.109e−02	6.39	786.48	SV	1	3	0.142e+01	10.32
743.58	BeII	2	6	0.821e−02	2.21	787.711	OIV	2	4	0.111e+00	10.87
743.7195	NeI	1	3	0.121e−01	9.04	789.6	NaVIII	1	3	0.110e−04	4.25
743.901	OI	5	3	0.709e−03	8.65	790.006	FI	4	2	0.316e−02	4.88
743.929	OI	5	5	0.213e−02	9.13	791.5136	OI	5	3	0.155e−01	10.02
744.907	SiIV	2	4	0.251e+00	9.54	791.875	FI	4	4	0.157e−01	5.57
745.258	KIV	5	5	0.530e+00	7.73	791.9732	OI	5	5	0.464e−01	10.50
745.767	FI	4	4	0.191e−02	4.63	792.00	ZnI	1	3	0.161e−02	4.76
746.768	FI	4	2	0.382e−03	3.94	794.07	ZnI	1	3	0.510e−02	5.26
748.338	FI	4	4	0.965e−03	4.34	794.475	AlII	1	3	0.565e−03	6.13
748.355	OI	5	3	0.111e−02	8.85	800.641	ClVII	2	4	0.418e+00	7.79

Table 6. Resonance absorption lines above 228 Å ordered by wavelength

λ, Å	Species	g_i	g_k	f_{ik}	P	λ, Å	Species	g_i	g_k	f_{ik}	P
803.234	SiII	2	4	0.462e−02	8.12	865.835	NI	4	4	0.511e−03	7.70
804.654	SiII	2	2	0.100e−02	7.46	866.180	NI	4	2	0.256e−03	7.40
806.970	FI	4	6	0.434e−01	6.02	866.8000	ArI	1	3	0.106e+00	8.52
806.97	FI	4	4	0.483e−02	5.07	869.218	NaVII	2	4	0.194e−06	2.54
808.078	FeIII	9	7	0.228e−02	7.78	869.404	NI	4	6	0.116e−02	8.05
809.668	SiIV	2	2	0.104e+00	9.20	869.424	NI	4	4	0.226e−02	8.34
809.91	ZnI	1	3	0.767e−02	5.44	869.482	NI	4	6	0.340e−02	8.52
810.6650	OI	5	3	0.738e−03	8.71	869.7542	ArI	1	3	0.119e−01	7.57
811.0512	OI	5	5	0.221e−02	9.18	870.029	NI	4	4	0.771e−03	7.88
812.960	ClVII	2	2	0.209e+00	7.50	870.332	MgII	2	4	0.211e−03	6.84
813.379	FeIII	9	9	0.694e−01	9.26	870.346	MgII	2	2	0.105e−03	6.54
814.137	FeIII	9	7	0.138e−01	8.56	870.367	NI	4	2	0.386e−03	7.58
818.590	SiII	2	4	0.818e−02	8.38	871.105	ArIII	5	3	0.969e−02	7.49
820.9210	SiII	2	2	0.160e−02	7.67	874.791	NaVII	2	2	0.462e−05	3.92
822.160	ArV	1	3	0.433e−01	8.11	875.277	NI	4	2	0.178e−02	8.24
823.256	FeIII	9	11	0.161e−01	8.63	875.656	NI	4	4	0.355e−02	8.54
824.799	FeIII	9	9	0.219e−02	7.77	875.721	NI	4	6	0.533e−02	8.72
826.387	FeIII	9	7	0.145e−03	6.59	876.0577	ArI	1	3	0.930e−01	8.47
829.60	GaII	1	3	0.681e−02	3.88	876.331	NI	4	6	0.187e−02	8.26
832.7572	OII	4	2	0.444e−01	10.50	876.645	NI	4	4	0.125e−02	8.09
832.927	OIII	1	3	0.107e+00	10.88	876.987	NI	4	2	0.622e−03	7.79
833.3294	OII	4	4	0.886e−01	10.80	877.7983	OI	5	3	0.197e−01	10.17
834.4655	OII	4	6	0.132e+00	10.97	877.8787	OI	5	5	0.589e−01	10.64
840.03	ArIV	4	2	0.130e−01	7.60	878.729	ArIII	5	5	0.288e−01	7.96
842.025	BeII	2	4	0.208e−01	2.66	879.9466	ArI	1	3	0.268e−01	7.93
842.031	BeII	2	2	0.104e−01	2.36	883.110	FVII	2	4	0.115e+00	6.49
843.7192	SiII	2	4	0.168e−01	8.70	883.125	ClV	2	4	0.530e+00	7.94
843.77	ArIV	4	4	0.259e−01	7.90	884.6967	MgII	2	4	0.300e−03	7.00
844.288	FeIII	9	7	0.684e−01	9.27	884.7189	MgII	2	2	0.150e−03	6.70
848.0700	SiII	2	2	0.279e−02	7.92	885.973	NI	4	2	0.300e−02	8.47
850.60	ArIV	4	6	0.385e−01	8.08	886.226	NI	4	4	0.599e−02	8.77
850.907	FeIII	9	9	0.609e−03	7.22	886.332	NI	4	6	0.899e−02	8.95
854.200	FeIII	9	7	0.121e−03	6.52	887.457	NI	4	6	0.328e−02	8.51
858.0918	CII	2	2	0.130e−01	9.61	888.022	NI	4	4	0.219e−02	8.34
858.551	FeIII	9	7	0.105e−02	7.46	888.372	NI	4	2	0.110e−02	8.04
858.609	FeIII	9	9	0.157e−01	8.64	889.7228	SiII	2	4	0.434e−01	9.14
859.723	FeIII	9	11	0.115e+00	9.51	890.786	FVII	2	2	0.573e−01	6.19
860.15	NI	4	6	0.119e−02	8.06	895.18	NeVII	1	3	0.589e−05	5.81
861.15	NI	4	12	0.776e−03	7.87	899.4063	SiII	2	2	0.570e−02	8.26
862.14	NI	4	6	0.162e−02	8.20	903.6235	CII	2	4	0.168e+00	10.74
862.402	NI	4	6	0.535e−03	7.71	903.9616	CII	2	2	0.336e+00	11.04
862.985	NI	4	4	0.357e−03	7.54	906.206	NI	4	2	0.557e−02	8.75
863.336	NI	4	2	0.178e−03	7.24	906.433	NI	4	4	0.112e−01	9.06
865.225	NI	4	6	0.768e−03	7.87	906.617	NI	4	6	0.167e−01	9.23
865.406	NI	4	6	0.230e−02	8.35	906.885	SII	4	6	0.187e+00	9.50

Table 6. Resonance absorption lines above 228 Å ordered by wavelength

λ, Å	Species	g_i	g_k	f_{ik}	P	λ, Å	Species	g_i	g_k	f_{ik}	P
907.3752	MgII	2	4	0.442e−03	7.18	921.860	OI	5	7	0.903e−03	8.85
907.4115	MgII	2	2	0.221e−03	6.88	921.860	OI	5	5	0.162e−03	8.10
909.6976	NI	4	6	0.667e−02	8.83	921.860	OI	5	3	0.108e−04	6.93
910.2785	NI	4	4	0.445e−02	8.66	922.200	OI	5	3	0.242e−03	8.28
910.484	SII	4	4	0.124e+00	9.32	923.1504	HI	2	6	0.222e−02	12.31
910.6456	NI	4	2	0.222e−02	8.36	923.780	CrIII	1	3	0.811e−01	7.55
912.653	CrIII	1	3	0.793e−03	5.54	923.879	FeII	10	8	0.186e−02	7.75
912.735	SII	4	2	0.620e−01	9.02	924.952	OI	5	7	0.129e−02	9.01
912.768	HI	2	6	0.581e−04	10.72	924.952	OI	5	5	0.229e−03	8.26
912.839	HI	2	6	0.643e−04	10.77	924.952	OI	5	3	0.153e−04	7.08
912.918	HI	2	6	0.715e−04	10.81	925.442	OI	5	3	0.350e−03	8.44
913.006	HI	2	6	0.797e−04	10.86	926.212	FeII	10	10	0.438e−01	9.12
913.104	HI	2	6	0.893e−04	10.91	926.2257	HI	2	6	0.319e−02	12.47
913.215	HI	2	6	0.100e−03	10.96	926.898	FeII	10	8	0.590e−02	8.25
913.339	HI	2	6	0.114e−03	11.02	928.179	NiII	6	4	0.651e−05	4.03
913.480	HI	2	6	0.129e−03	11.07	928.325	FeII	10	12	0.356e−03	7.03
913.641	HI	2	6	0.148e−03	11.13	929.5168	OI	5	7	0.190e−02	9.18
913.826	HI	2	6	0.170e−03	11.19	929.5168	OI	5	5	0.341e−03	8.43
913.968	PIII	2	4	0.203e+00	7.84	929.5168	OI	5	3	0.227e−04	7.25
914.039	HI	2	6	0.197e−03	11.26	929.972	CoIII	10	8	0.119e−01	5.95
914.286	HI	2	6	0.230e−03	11.32	930.2566	OI	5	3	0.532e−03	8.62
914.576	HI	2	6	0.270e−03	11.39	930.7483	HI	2	6	0.482e−02	12.65
914.919	HI	2	6	0.321e−03	11.47	933.134	FeII	10	8	0.110e−03	6.52
915.329	HI	2	6	0.386e−03	11.55	933.340	NiII	6	4	0.173e−02	6.46
915.6131	NII	1	3	0.160e+00	10.22	933.378	SVI	2	4	0.445e+00	9.89
915.824	HI	2	6	0.469e−03	11.63	933.862	NiII	6	6	0.585e−03	5.99
916.429	HI	2	6	0.578e−03	11.72	935.2738	AlII	1	3	0.300e−02	6.93
916.815	OI	5	7	0.398e−03	8.49	935.518	FeII	10	12	0.372e−02	8.05
916.815	OI	5	5	0.710e−04	7.74	935.772	FeII	10	8	0.323e−03	6.99
916.815	OI	5	3	0.474e−05	6.57	936.6295	OI	5	7	0.302e−02	9.38
917.118	PIII	2	2	0.405e+00	8.14	936.6295	OI	5	5	0.540e−03	8.63
917.1806	HI	2	6	0.723e−03	11.82	936.6295	OI	5	3	0.360e−04	7.46
918.044	OI	5	7	0.516e−03	8.61	936.637	CoIII	10	10	0.480e−01	6.56
918.044	OI	5	5	0.921e−04	7.86	937.652	FeII	10	12	0.195e−01	8.77
918.044	OI	5	3	0.615e−05	6.68	937.8035	HI	2	6	0.780e−02	12.86
918.1294	HI	2	6	0.921e−03	11.93	937.8405	OI	5	3	0.867e−03	8.84
918.569	CrIII	1	3	0.611e−02	6.43	937.906	NiII	6	8	0.100e−03	5.22
919.3514	HI	2	6	0.120e−02	12.04	938.011	FeII	10	8	0.183e−02	7.74
919.658	OI	5	7	0.659e−03	8.71	939.061	CoIII	10	8	0.897e−01	6.84
919.658	OI	5	5	0.118e−03	7.97	939.165	FeII	10	8	0.146e−02	7.65
919.658	OI	5	3	0.785e−05	6.79	940.192	FeII	10	10	0.121e−01	8.57
919.7810	ArII	4	2	0.181e−01	7.78	940.883	NiII	6	6	0.398e−04	4.82
919.908	OI	5	3	0.176e−03	8.14	944.523	SVI	2	2	0.220e+00	9.59
920.9631	HI	2	6	0.160e−02	12.17	944.633	NiII	6	6	0.176e−02	6.47
921.501	FeII	10	8	0.570e−03	7.23	944.840	NiII	6	8	0.733e−03	6.09

Table 6. Resonance absorption lines above 228 Å ordered by wavelength

λ, Å	Species	g_i	g_k	f_{ik}	P	λ, Å	Species	g_i	g_k	f_{ik}	P
945.191	CI	1	3	0.152e+00	10.72	972.380	FI	4	2	0.109e−04	2.51
946.353	NiII	6	6	0.711e−05	4.08	972.5368	HI	2	6	0.290e−01	13.45
946.7033	MgII	2	4	0.665e−03	7.38	972.779	PII	1	3	0.132e−02	5.68
946.7694	MgII	2	2	0.332e−03	7.08	973.1877	ClIV	1	3	0.444e−01	6.91
947.876	NiII	6	8	0.145e−03	5.39	973.305	NiII	6	4	0.110e−04	4.28
948.6855	OI	5	7	0.524e−02	9.63	973.895	FI	4	4	0.294e−03	3.94
948.6855	OI	5	5	0.937e−03	8.88	974.070	OI	5	5	0.200e−04	7.22
948.6855	OI	5	3	0.625e−04	7.70	976.4481	OI	5	3	0.327e−02	9.43
949.7431	HI	2	6	0.139e−01	13.12	976.508	FI	4	6	0.643e−05	2.28
950.657	PIV	1	3	0.116e+01	8.61	977.020	CIII	1	3	0.767e+00	11.43
950.8846	OI	5	3	0.157e−02	9.10	982.755	NiII	6	6	0.191e−03	5.52
951.0791	NI	4	6	0.129e−03	7.14	984.142	ZnII	2	4	0.225e−02	5.00
951.2947	NI	4	4	0.181e−04	6.29	984.2865	ClI	4	2	0.244e−01	6.65
951.870	FI	4	2	0.158e−01	5.66	986.525	ZnII	2	2	0.710e−03	4.50
952.297	CoIII	10	8	0.802e−02	5.79	987.9145	ClI	4	6	0.378e−01	6.84
952.3034	NI	4	6	0.176e−02	8.27	988.5778	OI	5	3	0.535e−03	8.65
952.4148	NI	4	4	0.156e−02	8.22	988.6549	OI	5	5	0.803e−02	9.83
952.5227	NI	4	2	0.417e−03	7.65	988.7734	OI	5	7	0.449e−01	10.58
953.4152	NI	4	2	0.116e−01	9.09	989.799	NiII	2	4	0.122e+00	10.13
953.6549	NI	4	4	0.231e−01	9.39	989.8731	SiII	2	4	0.171e+00	9.78
953.9699	NI	4	6	0.347e−01	9.57	993.0	NeVI	2	4	0.105e−06	4.11
954.1042	NI	4	6	0.442e−02	8.68	993.947	NiII	6	6	0.358e−04	4.80
954.826	FI	4	4	0.789e−01	6.36	996.5402	ClI	4	6	0.208e−01	6.59
955.2643	NI	4	6	0.502e−04	6.73	997.4	NeVI	2	2	0.245e−05	5.48
955.437	NI	4	4	0.116e−05	5.09	997.5375	ClI	4	4	0.929e−03	5.24
955.5292	NI	4	2	0.173e−04	6.27	998.000	PIII	2	2	0.112e+00	7.62
955.598	NiII	6	8	0.547e−03	5.97	999.1011	GeII	2	4	0.568e−01	5.38
955.8814	NI	4	4	0.587e−04	6.80	1001.561	NiII	6	8	0.667e−05	4.07
956.908	NiII	6	6	0.315e−03	5.73	1001.958	VIII	4	6	0.753e−04	2.90
959.4936	NI	4	4	0.161e−04	6.24	1002.3464	ClI	4	6	0.705e−01	7.12
960.201	NI	4	2	0.361e−05	5.59	1002.435	FeII	10	10	0.182e−05	4.77
961.041	PII	1	3	0.349e+00	8.10	1003.372	NI	4	4	0.489e−07	3.74
963.801	PII	1	3	0.146e+01	8.72	1003.377	NI	4	6	0.339e−06	4.58
963.9903	NI	4	6	0.157e−01	9.23	1003.480	FeII	10	10	0.463e−05	5.18
964.6256	NI	4	4	0.105e−01	9.06	1003.658	FeII	10	8	0.217e−06	3.85
965.0413	NI	4	2	0.522e−02	8.75	1004.6676	ClI	4	2	0.158e+00	7.47
966.165	CoIII	10	8	0.123e−02	4.98	1004.939	VIII	4	4	0.740e−03	3.89
967.240	CoIII	10	10	0.123e−02	4.99	1005.2779	ClIII	4	2	0.717e−02	6.13
968.567	CoIII	10	12	0.304e−05	2.38	1005.631	VIII	4	6	0.574e−03	3.78
971.7371	OI	5	3	0.154e−03	8.11	1005.848	NiII	6	8	0.116e−03	5.32
971.7376	OI	5	5	0.231e−02	9.28	1008.253	VIII	4	4	0.822e−02	4.94
971.7382	OI	5	7	0.130e−01	10.03	1008.767	ClIII	4	4	0.143e−01	6.43
972.1418	OI	5	3	0.448e−06	5.57	1009.354	VIII	4	2	0.221e−01	5.37
972.1422	OI	5	5	0.310e−04	7.41	1010.902	BI	2	2	0.332e−03	2.41
972.1428	OI	5	7	0.317e−03	8.42	1011.136	FeII	10	8	0.158e−06	3.71

Table 6. Resonance absorption lines above 228 Å ordered by wavelength

λ, Å	Species	g_i	g_k	f_{ik}	P	λ, Å	Species	g_i	g_k	f_{ik}	P
1012.501	SiIII	1	3	0.425e−01	8.90	1041.7148	ClI	4	2	0.522e−02	6.01
1013.87	ClVI	1	3	0.176e−03	4.52	1041.920	CoII	9	9	0.334e−03	4.45
1014.233	FeII	10	10	0.266e−03	6.94	1042.7793	ClI	4	4	0.250e−01	6.69
1014.751	CoIII	10	8	0.133e−03	4.04	1043.9857	ClI	4	6	0.181e−01	6.55
1014.859	FeII	10	8	0.374e−04	6.09	1047.131	XeI	1	3	0.641e−01	4.06
1015.0249	ClIII	4	6	0.213e−01	6.60	1047.647	BI	2	4	0.115e−02	2.96
1016.350	FeII	10	8	0.170e−04	5.75	1047.695	BI	2	2	0.231e−02	3.26
1017.387	CoIII	10	10	0.940e−05	2.89	1048.2199	ArI	1	3	0.244e+00	8.97
1017.515	CoII	9	7	0.343e−03	4.45	1049.82	SI	5	5	0.124e−01	8.38
1020.6989	SiII	2	2	0.151e−01	8.74	1050.101	XeI	1	3	0.422e−02	2.88
1020.744	CoII	9	7	0.114e−02	4.98	1050.30	SI	5	3	0.415e−02	7.91
1023.487	CoII	9	9	0.455e−03	4.58	1050.351	MnII	7	9	0.758e−04	4.43
1025.2821	ClI	4	6	0.445e−01	6.93	1051.750	FeII	10	8	0.678e−06	4.36
1025.678	CoII	9	7	0.845e−03	4.85	1052.746	MnII	7	7	0.200e−04	3.85
1025.7223	HI	2	6	0.790e−01	13.91	1053.891	MnII	7	5	0.627e−06	2.35
1025.7616	OI	5	7	0.158e−01	10.14	1055.0261	GeII	2	2	0.116e−01	4.72
1025.7626	OI	5	5	0.282e−02	9.39	1055.2617	FeII	10	8	0.800e−02	8.44
1025.7633	OI	5	3	0.188e−03	8.22	1055.900	NiII	6	8	0.321e−05	3.78
1025.9681	MgII	2	4	0.936e−03	7.56	1056.123	XeI	1	3	0.123e+00	4.34
1026.1134	MgII	2	2	0.468e−03	7.26	1061.250	XeI	1	3	0.962e−02	3.24
1026.4733	OI	5	3	0.235e−05	6.31	1061.685	FeII	10	12	0.274e−04	5.97
1026.4744	OI	5	5	0.187e−03	8.21	1062.152	FeII	10	10	0.380e−02	8.12
1026.4757	OI	5	7	0.246e−02	9.33	1062.198	CrII	6	6	0.249e−02	6.10
1027.1786	ClI	4	4	0.345e−02	5.82	1062.662	SiV	2	4	0.487e−01	8.98
1028.026	NiII	6	6	0.174e−05	3.50	1063.002	FeII	10	8	0.312e−05	5.03
1028.1739	ClI	4	4	0.223e−01	6.63	1063.1764	FeII	10	10	0.600e−01	9.31
1029.3433	ClI	4	2	0.117e−02	5.35	1063.801	CrII	6	4	0.218e−02	6.05
1030.100	CrIII	1	3	0.625e−01	7.49	1063.8311	ClII	5	3	0.503e−02	6.00
1030.259	CoII	9	9	0.312e−02	5.42	1063.9718	FeII	10	8	0.450e−02	8.19
1030.8845	ClI	4	4	0.287e−01	6.74	1064.210	CrII	6	8	0.432e−02	6.34
1031.5070	ClI	4	6	0.151e+00	7.46	1066.6599	ArI	1	3	0.665e−01	8.41
1031.542	CoII	9	11	0.290e−03	4.39	1069.660	FeII	10	8	0.215e−04	5.87
1031.9261	OVI	2	4	0.133e+00	11.07	1069.695	FeII	10	10	0.324e−05	5.05
1032.52	FVI	1	3	0.351e−05	2.04	1071.0358	ClII	5	5	0.150e−01	6.48
1033.331	CrIII	1	3	0.640e−01	7.50	1073.769	FeII	10	8	0.111e−05	4.59
1036.299	BeII	2	4	0.551e−01	3.18	1078.579	XeI	1	3	0.209e+00	4.58
1036.319	BeII	2	2	0.275e−01	2.87	1079.293	CrII	6	8	0.357e−02	6.27
1036.3367	CII	2	2	0.122e+00	10.66	1079.8821	ClI	4	2	0.653e−03	5.12
1037.6167	OVI	2	2	0.661e−01	10.77	1079.8821	FeII	10	8	0.154e−05	4.73
1037.808	FeII	10	8	0.624e−05	5.32	1081.8748	FeII	10	12	0.140e−01	8.69
1039.078	FeII	10	10	0.358e−06	4.08	1081.935	FeII	10	10	0.313e−04	6.04
1039.105	CoII	9	11	0.325e−03	4.44	1082.041	CrII	6	6	0.269e−02	6.14
1039.2304	OI	5	3	0.904e−02	9.90	1083.4204	FeII	10	10	0.406e−02	8.15
1039.313	FeII	10	8	0.141e−03	6.68	1083.630	FeII	10	8	0.409e−06	4.16
1040.050	CrIII	1	3	0.122e+00	7.78	1083.9937	NII	1	3	0.109e+00	10.12

Table 6. Resonance absorption lines above 228 Å ordered by wavelength

λ, Å	Species	g_i	g_k	f_{ik}	P	λ, Å	Species	g_i	g_k	f_{ik}	P
1084.183	CrII	6	4	0.177e−02	5.96	1110.441	CI	1	3	0.355e−02	9.16
1084.6670	ClI	4	4	0.110e−01	6.35	1110.5832	FeII	10	10	0.785e−07	3.45
1084.9315	FeII	10	10	0.109e−04	5.58	1110.708	XeI	1	3	0.832e−01	4.20
1084.992	FeII	10	12	0.783e−03	7.44	1111.421	CI	1	3	0.891e−02	9.56
1085.1381	FeII	10	8	0.154e−03	6.73	1112.0480	FeII	10	12	0.912e−02	8.52
1085.1709	ClI	4	2	0.867e−04	4.24	1112.269	CI	1	3	0.161e−01	9.81
1085.3035	ClI	4	4	0.127e−04	3.41	1113.793	CI	1	3	0.398e−02	9.21
1085.437	XeI	1	3	0.217e−01	3.60	1114.628	CI	1	3	0.300e−02	9.08
1085.579	FeII	10	10	0.121e−03	6.63	1117.000	CI	1	3	0.389e−03	8.20
1085.903	FeII	10	8	0.129e−05	4.66	1117.132	CI	1	3	0.231e−03	7.97
1088.0589	ClI	4	6	0.159e−01	6.51	1117.847	VIII	4	6	0.984e−03	4.06
1088.5	GeIII	1	3	0.179e+01	6.92	1117.866	CI	1	3	0.413e−02	9.22
1090.7387	ClI	4	4	0.252e−02	5.71	1117.9202	CI	1	3	0.987e−03	8.60
1090.9815	ClI	4	6	0.244e−02	5.70	1117.977	PV	2	4	0.473e+00	8.29
1092.1287	ClI	4	2	0.462e−02	5.97	1118.206	MnII	7	7	0.916e−04	4.54
1092.4365	ClI	4	4	0.931e−02	6.28	1121.158	VIII	4	4	0.194e−01	5.36
1092.62	SI	5	5	0.110e−01	8.35	1121.452	CI	1	3	0.135e−02	8.74
1092.99	SI	5	3	0.368e−02	7.87	1121.5196	CI	1	3	0.355e−03	8.16
1094.7686	ClI	4	6	0.112e−02	5.36	1121.9748	FeII	10	8	0.200e−01	8.86
1096.8098	ClI	4	4	0.134e−01	6.44	1122.438	CI	1	3	0.588e−02	9.38
1096.8769	FeII	10	8	0.320e−01	9.06	1122.5183	CI	1	3	0.140e−02	8.76
1097.3692	ClI	4	6	0.423e−01	6.94	1122.524	FeIII	9	7	0.797e−01	9.46
1098.0683	ClI	4	2	0.256e−03	4.72	1122.597	MnII	7	5	0.503e−04	4.28
1099.5230	ClI	4	4	0.381e−02	5.89	1123.524	VIII	4	2	0.561e−01	5.82
1099.712	XeI	1	3	0.236e−01	3.64	1124.298	VIII	4	6	0.169e−03	3.30
1101.5567	FeII	10	8	0.281e−05	5.00	1124.945	PII	1	3	0.126e−02	5.72
1101.9361	ClI	4	6	0.384e−01	6.90	1125.4478	FeII	10	8	0.110e−01	8.60
1103.629	CI	1	3	0.145e−01	9.76	1127.0984	FeII	10	10	0.300e−02	8.04
1104.427	CI	1	3	0.724e−03	8.46	1128.008	PV	2	2	0.235e+00	7.99
1104.942	CI	1	3	0.363e−02	9.16	1128.079	CI	1	3	0.204e−02	8.92
1105.532	CI	1	3	0.229e−02	8.96	1128.1713	CI	1	3	0.112e−02	8.66
1106.2208	FeII	10	8	0.106e−04	5.58	1128.4770	CI	1	3	0.891e−03	8.56
1106.250	CI	1	3	0.457e−03	8.26	1128.483	FeII	10	10	0.379e−07	3.14
1106.315	CI	1	3	0.513e−02	9.31	1129.190	VIII	4	4	0.102e−02	4.08
1106.3596	FeII	10	10	0.150e−02	7.73	1129.193	CI	1	3	0.882e−02	9.56
1106.449	VII	1	3	0.239e−01	5.44	1129.302	XeI	1	3	0.252e−02	2.68
1106.571	VII	1	3	0.123e+00	6.15	1129.3175	CI	1	3	0.208e−02	8.93
1107.043	CI	1	3	0.363e−03	8.16	1132.8528	ClI	4	2	0.141e−04	3.47
1107.146	CI	1	3	0.115e−02	8.66	1133.665	FeII	10	8	0.600e−02	8.34
1107.4120	FeII	10	8	0.188e−08	1.83	1133.9341	ClI	4	4	0.521e−04	4.04
1108.504	FeII	10	12	0.621e−04	6.35	1134.1653	NI	4	2	0.385e−02	8.69
1109.031	CI	1	3	0.891e−02	9.55	1134.4149	NI	4	4	0.770e−02	8.99
1109.16	ZnI	1	3	0.169e−01	5.92	1134.9803	NI	4	6	0.116e−01	9.17
1109.634	CI	1	3	0.708e−02	9.46	1135.3310	ClI	4	6	0.211e−04	3.65
1110.2803	FeII	10	10	0.112e−02	7.60	1137.904	VIII	4	6	0.566e−03	3.83

Table 6. Resonance absorption lines above 228 Å ordered by wavelength

λ, Å	Species	g_i	g_k	f_{ik}	P	λ, Å	Species	g_i	g_k	f_{ik}	P
1138.384	C I	1	3	0.334e−02	9.14	1190.4158	Si II	2	4	0.293e+00	10.09
1138.5609	C I	1	3	0.120e−02	8.70	1192.040	Xe I	1	3	0.396e+00	4.90
1139.0867	C I	1	3	0.692e−03	8.46	1192.213	Co II	9	11	0.104e−03	4.00
1139.793	C I	1	3	0.141e−01	9.77	1192.2175	C I	1	3	0.263e−02	9.06
1140.0096	C I	1	3	0.328e−02	9.13	1192.430	Co II	9	7	0.567e−04	3.74
1142.3656	Fe II	10	8	0.500e−02	8.27	1193.0308	C I	1	3	0.476e−01	10.31
1143.2260	Fe II	10	10	0.133e−01	8.69	1193.2897	Si II	2	2	0.584e+00	10.39
1144.9379	Fe II	10	12	0.105e+00	9.59	1193.362	Ti III	5	3	0.156e−03	4.20
1147.941	Co II	9	9	0.245e−03	4.36	1193.9955	C I	1	3	0.105e−01	9.66
1149.672	Co II	9	7	0.717e−04	3.83	1197.184	Mn II	7	9	0.157e+00	7.80
1150.245	V III	4	6	0.234e−01	5.45	1199.061	Co II	9	9	0.333e−03	4.51
1150.261	Mn II	7	5	0.885e−05	3.54	1199.134	S V	1	3	0.106e−03	6.37
1150.3555	Fe II	10	8	0.126e−05	4.67	1199.391	Mn II	7	7	0.106e+00	7.63
1150.779	Mn II	7	7	0.251e−04	3.99	1199.5496	N I	4	6	0.163e+00	10.34
1151.207	B I	2	4	0.194e−01	4.23	1200.2233	N I	4	4	0.108e+00	10.16
1151.281	B I	2	2	0.388e−01	4.53	1200.7098	N I	4	2	0.541e−01	9.86
1152.818	P II	1	3	0.236e+00	8.00	1201.118	Mn II	7	5	0.881e−01	7.55
1153.179	V III	4	4	0.103e+00	6.09	1203.124	Ti III	5	7	0.123e−04	3.10
1155.8092	C I	1	3	0.605e−02	9.40	1203.217	Co II	9	7	0.322e−04	3.50
1155.99	S I	5	5	0.146e−01	8.50	1203.790	Mn II	7	5	0.154e−03	4.80
1156.1842	C I	1	3	0.282e−04	7.07	1205.749	Mn II	7	7	0.573e−04	4.37
1156.26	S I	5	3	0.487e−02	8.02	1206.014	Mn II	7	5	0.811e−04	4.52
1157.1857	C I	1	3	0.550e−03	8.36	1206.500	Si III	1	3	0.168e+01	10.86
1157.9097	C I	1	3	0.244e−01	10.01	1207.050	Fe III	9	9	0.442e−05	5.24
1158.3240	C I	1	3	0.557e−02	9.37	1207.281	Mn II	7	9	0.931e−06	2.58
1159.817	N I	4	4	0.851e−05	6.04	1208.674	Mn II	7	5	0.143e−03	4.77
1160.937	N I	4	2	0.241e−05	5.50	1209.006	Mn II	7	7	0.553e−03	5.36
1162.015	Mn II	7	9	0.102e−01	6.60	1210.576	Mn II	7	9	0.942e−03	5.59
1162.203	F V	2	4	0.527e−07	0.27	1213.305	Mn II	7	7	0.473e−07	1.29
1162.8	Cl V	2	2	0.500e−04	4.03	1214.281	S I	5	3	0.199e−04	5.65
1162.8	Cl V	2	4	0.388e−05	2.92	1214.295	S I	5	5	0.299e−03	6.83
1163.326	Mn II	7	7	0.752e−02	6.47	1214.318	S I	5	7	0.168e−02	7.58
1164.208	Mn II	7	5	0.470e−02	6.27	1214.562	Fe III	9	7	0.427e−03	7.22
1165.634	F V	2	2	0.970e−06	1.53	1215.6701	H I	2	6	0.416e+00	14.70
1167.1480	Cl I	4	2	0.957e−02	6.32	1216.45	S I	5	3	0.232e−03	6.72
1169.262	V III	4	6	0.192e−01	5.37	1217.843	P I	4	6	0.658e−02	6.47
1170.405	Xe I	1	3	0.986e−01	4.29	1218.344	O V	1	3	0.148e−05	6.19
1187.417	Co II	9	7	0.124e−01	6.08	1218.514	S I	5	3	0.181e−04	5.61
1188.490	Co II	9	9	0.407e−02	5.59	1218.571	S I	5	5	0.272e−03	6.79
1188.7515	Cl I	4	4	0.547e−02	6.08	1218.595	S I	5	7	0.152e−02	7.54
1188.7742	Cl I	4	6	0.728e−01	7.21	1218.704	Mn II	7	5	0.998e−05	3.62
1188.8332	C I	1	3	0.129e−01	9.75	1218.745	Mn II	7	7	0.324e−04	4.13
1189.028	Ge IV	2	4	0.530e+00	6.43	1219.604	Mn II	7	9	0.147e−03	4.78
1190.0207	C I	1	3	0.380e−02	9.22	1221.753	S I	5	3	0.355e−03	6.91
1190.191	Si III	1	3	0.253e−01	8.75	1224.4709	S I	5	3	0.127e−04	5.46

Table 6. Resonance absorption lines above 228 Å ordered by wavelength

λ, Å	Species	g_i	g_k	f_{ik}	P	λ, Å	Species	g_i	g_k	f_{ik}	P
1224.5056	SI	5	5	0.191e−03	6.64	1295.884	TiIII	5	5	0.668e−01	6.87
1224.5440	SI	5	7	0.107e−02	7.39	1296.1739	SI	5	3	0.278e−01	8.83
1226.7	CaII	2	4	0.109e−02	6.47	1298.697	TiIII	5	3	0.951e−01	7.02
1226.742	PI	4	2	0.643e−02	6.47	1301.874	PII	1	3	0.173e−01	6.92
1227.0	CaII	2	2	0.549e−03	6.17	1302.1685	OI	5	3	0.504e−01	10.75
1229.608	SI	5	3	0.577e−03	7.12	1303.4300	SI	5	3	0.460e−02	8.05
1229.840	GeIV	2	2	0.256e+00	6.13	1304.3702	SiII	2	2	0.871e−01	9.61
1233.2787	SI	5	3	0.417e−05	4.98	1308.866	NiII	6	6	0.541e−02	7.10
1233.3124	SI	5	5	0.626e−04	6.16	1314.994	PI	4	6	0.144e−01	6.85
1233.3454	SI	5	7	0.351e−03	6.91	1316.5425	SI	5	7	0.226e−01	8.74
1234.195	TiIII	5	5	0.422e−04	3.65	1316.6150	SI	5	5	0.403e−02	7.99
1235.495	TiIII	5	3	0.167e−03	4.24	1316.6219	SI	5	3	0.269e−03	6.82
1237.0589	GeII	2	4	0.876e−01	5.66	1317.217	NiII	6	8	0.146e+00	8.53
1238.821	NV	2	4	0.157e+00	10.34	1318.684	PI	4	6	0.705e−02	6.54
1239.9253	MgII	2	4	0.372e−03	7.24	1319.022	PI	4	2	0.658e−02	6.51
1240.3947	MgII	2	2	0.185e−03	6.94	1321.421	PI	4	4	0.600e−03	5.47
1241.9050	SI	5	3	0.102e−02	7.37	1328.8333	CI	1	3	0.609e−01	10.47
1242.804	NV	2	2	0.780e−01	10.04	1329.819	TiIII	5	5	0.281e−02	5.50
1247.1067	SI	5	3	0.886e−06	4.31	1334.5323	CII	2	4	0.127e+00	10.79
1247.1342	SI	5	5	0.133e−04	5.49	1334.813	PIII	2	4	0.253e−01	7.10
1247.1602	SI	5	7	0.744e−04	6.24	1335.7258	ClI	4	2	0.248e−01	6.79
1250.199	XeI	1	3	0.984e−02	3.32	1341.8901	CaII	2	4	0.147e−02	6.64
1250.578	SII	4	2	0.520e−02	8.08	1342.5536	CaII	2	2	0.732e−03	6.33
1252.771	NiII	6	8	0.417e−03	5.97	1344.500	CoII	9	11	0.146e−03	4.20
1253.805	SII	4	4	0.103e−01	8.38	1345.878	NiII	6	4	0.643e−02	7.19
1255.272	SiI	1	3	0.289e+00	10.11	1347.2396	ClI	4	4	0.119e+00	7.47
1259.518	SII	4	6	0.155e−01	8.56	1355.5977	OI	5	5	0.125e−05	6.16
1260.4221	SiII	2	4	0.118e+01	10.72	1358.7730	CuII	1	3	0.380e+00	6.98
1260.533	FeII	10	8	0.250e−01	9.01	1362.461	BII	1	3	0.101e+01	6.02
1260.7355	CI	1	3	0.387e−01	10.25	1367.106	CoII	9	9	0.812e−04	3.96
1262.8599	SI	5	3	0.200e−02	7.67	1367.9509	CuII	1	3	0.332e−01	5.93
1270.1434	CI	1	3	0.388e−03	8.25	1369.5601	FeII	10	8	0.106e−06	3.67
1270.7686	SI	5	3	0.414e−04	5.99	1370.132	NiII	6	4	0.131e+00	8.50
1270.7804	SI	5	7	0.347e−02	7.91	1373.1164	ClI	4	2	0.687e−04	4.24
1270.7874	SI	5	5	0.621e−03	7.17	1373.4905	PI	4	6	0.134e−01	6.83
1276.4825	CI	1	3	0.450e−02	9.32	1376.4269	FeII	10	8	0.123e−06	3.74
1277.2454	CI	1	3	0.107e+00	10.70	1377.0730	PI	4	2	0.173e−01	6.95
1280.1353	CI	1	3	0.212e−01	9.99	1377.9343	PI	4	4	0.995e−02	6.71
1283.881	PI	4	4	0.847e−02	6.61	1378.638	CoII	9	7	0.339e−03	4.58
1286.233	TiIII	5	7	0.991e−03	5.04	1378.654	BI	2	4	0.195e+00	5.31
1286.444	PI	4	6	0.791e−02	6.58	1378.875	BI	2	2	0.390e+00	5.61
1291.582	TiIII	5	7	0.604e−02	5.82	1379.4282	PI	4	4	0.425e−01	7.34
1291.625	TiIII	5	5	0.303e−04	3.52	1379.5279	ClI	4	4	0.284e−02	5.86
1295.560	XeI	1	3	0.189e+00	4.62	1381.4760	PI	4	6	0.791e−01	7.61
1295.6531	SI	5	5	0.836e−01	9.30	1381.5527	SI	5	3	0.127e−03	6.51

Table 6. Resonance absorption lines above 228 Å ordered by wavelength

λ, Å	Species	g_i	g_k	f_{ik}	P	λ, Å	Species	g_i	g_k	f_{ik}	P
1381.6353	PI	4	2	0.535e−02	6.44	1491.765	BeI	1	3	0.130e−02	1.71
1381.685	NiII	6	4	0.508e−02	7.10	1492.954	MnI	6	8	0.594e−01	7.48
1388.4358	SI	5	5	0.381e−03	6.99	1495.045	GaIII	2	4	0.543e+00	6.04
1389.6925	ClI	4	6	0.109e−03	4.45	1501.959	NiII	6	4	0.769e−03	6.31
1393.324	NiII	6	6	0.222e−01	7.74	1502.148	NiII	6	6	0.133e−01	7.55
1393.755	SiIV	2	4	0.524e+00	10.41	1504.5846	FeII	10	12	0.984e−07	3.68
1393.804	BeI	1	3	0.442e−03	1.21	1506.5395	FeII	10	8	0.318e−06	4.19
1394.638	CoII	9	11	0.112e−03	4.10	1514.743	CoII	9	7	0.151e−02	5.27
1397.232	OIV	2	4	0.340e−07	4.61	1514.8589	FeII	10	10	0.686e−05	5.53
1398.05	SiIV	2	4	0.377e−06	3.99	1516.7295	FeII	10	8	0.953e−07	3.67
1399.780	OIV	2	2	0.610e−06	5.86	1519.246	BI	2	4	0.427e−02	3.69
1401.5142	SI	5	3	0.142e−01	8.57	1522.1618	FeII	10	10	0.564e−05	5.44
1402.770	SiIV	2	2	0.260e+00	10.11	1524.170	BI	2	2	0.102e−01	4.07
1404.80	SiIV	2	2	0.797e−05	5.32	1524.8542	FeII	10	12	0.161e−06	3.90
1412.866	NiII	6	8	0.665e−02	7.22	1525.281	BI	2	4	0.590e−02	3.83
1414.292	NiII	6	4	0.240e−02	6.78	1526.7066	SiII	2	2	0.132e+00	9.85
1414.402	GaII	1	3	0.180e+01	6.54	1529.9036	FeII	10	12	0.111e−06	3.74
1415.720	NiII	6	6	0.413e−02	7.02	1532.094	BI	2	2	0.151e−01	4.24
1419.287	CoII	9	7	0.326e−03	4.58	1532.533	PII	1	3	0.761e−02	6.64
1424.779	CoII	9	9	0.176e−01	6.31	1533.806	BI	2	4	0.846e−02	3.99
1425.0299	SI	5	7	0.121e+00	9.51	1534.333	CoII	9	7	0.457e−03	4.76
1425.1877	SI	5	5	0.216e−01	8.76	1534.462	GaIII	2	2	0.265e+00	5.74
1425.2189	SI	5	3	0.144e−02	7.58	1534.821	CoII	9	9	0.201e−02	5.40
1426.117	BeI	1	3	0.357e−03	1.13	1539.468	CoII	9	11	0.256e−02	5.51
1441.823	CoII	9	7	0.855e−06	2.00	1539.738	SiI	1	3	0.424e−03	7.36
1444.2960	SI	5	5	0.813e−03	7.34	1540.354	SiI	1	3	0.108e−01	8.77
1448.011	CoII	9	7	0.452e−01	6.73	1540.654	BrI	4	4	0.498e−01	4.51
1449.997	NiII	6	4	0.353e−02	6.96	1542.432	SiI	1	3	0.634e−02	8.54
1452.566	CoII	9	9	0.299e−02	5.55	1542.4495	FeII	10	10	0.199e−06	4.00
1454.842	NiII	6	6	0.595e−01	8.19	1543.398	BI	2	2	0.100e−01	4.07
1466.203	CoII	9	11	0.140e+00	7.22	1545.612	SiI	1	3	0.885e−02	8.69
1467.259	NiII	6	4	0.111e−01	7.46	1546.423	BI	2	4	0.128e−01	4.18
1467.427	PIV	1	3	0.605e−04	4.52	1546.674	SiI	1	3	0.149e−01	8.91
1467.756	NiII	6	8	0.227e−01	7.77	1547.130	SiI	1	3	0.910e−02	8.70
1469.621	XeI	1	3	0.272e+00	4.83	1547.946	CoII	9	11	0.245e−01	6.49
1472.3950	CuII	1	3	0.838e−02	5.36	1548.195	CIV	2	4	0.190e+00	11.03
1472.9706	SI	5	7	0.191e−01	8.72	1550.770	CIV	2	2	0.952e−01	10.73
1473.9943	SI	5	7	0.344e−01	8.98	1552.022	SiI	1	3	0.421e−03	7.37
1474.3785	SI	5	5	0.614e−02	8.23	1552.760	CoII	9	9	0.150e−01	6.28
1474.5706	SI	5	3	0.409e−03	7.05	1552.948	SiI	1	3	0.129e−01	8.85
1477.222	NiII	6	6	0.106e−02	6.44	1553.754	CoII	9	7	0.879e−02	6.05
1480.951	CoII	9	7	0.463e−01	6.75	1554.296	SiI	1	3	0.767e−01	9.63
1481.1231	FeII	10	12	0.809e−07	3.59	1555.514	SiI	1	3	0.212e−01	9.07
1486.496	NIV	1	3	0.574e−06	4.98	1555.5403	FeII	10	8	0.215e−05	5.03
1488.452	BrI	4	4	0.399e−01	4.40	1558.701	BI	2	2	0.736e−02	3.94

Table 6. Resonance absorption lines above 228 Å ordered by wavelength

λ, Å	Species	g_i	g_k	f_{ik}	P	λ, Å	Species	g_i	g_k	f_{ik}	P
1560.3092	CI	1	3	0.714e−01	10.61	1651.1636	MgI	1	3	0.777e−03	7.69
1560.406	SiII	1	3	0.119e−01	8.82	1651.9909	CaII	2	2	0.290e−03	6.02
1561.5024	FeII	10	8	0.137e−05	4.84	1656.9283	CI	1	3	0.148e+00	10.95
1562.002	SiII	1	3	0.376e+00	10.32	1658.3115	MgI	1	3	0.111e−02	7.84
1563.7512	FeII	10	10	0.276e−05	5.15	1661.478	BeI	1	3	0.156e−01	2.83
1565.5255	FeII	10	12	0.172e−04	5.94	1662.608	BI	2	2	0.829e−02	4.02
1566.286	BI	2	4	0.206e−01	4.39	1666.3762	SiII	1	3	0.346e−01	9.31
1566.303	SiII	1	3	0.630e−02	8.54	1666.850	BI	2	4	0.732e−01	4.97
1567.573	CoII	9	9	0.885e−02	6.05	1668.4288	MgI	1	3	0.167e−02	8.03
1568.618	SiII	1	3	0.318e−01	9.25	1670.7874	AlII	1	3	0.181e+01	9.96
1572.648	CoII	9	7	0.251e−01	6.51	1671.6713	PI	4	2	0.824e−02	6.71
1572.718	SiII	1	3	0.112e−01	8.80	1674.5953	PI	4	4	0.165e−01	7.01
1573.301	BI	2	2	0.164e−01	4.29	1679.6969	PI	4	6	0.246e−01	7.19
1574.545	CoII	9	9	0.801e−01	7.01	1683.4116	MgI	1	3	0.271e−02	8.24
1576.387	BrI	4	6	0.117e−02	2.90	1693.2935	SiII	1	3	0.156e+00	9.97
1578.669	CoII	9	7	0.384e−03	4.69	1700.6360	SiII	1	3	0.398e−01	9.38
1579.613	CoII	9	11	0.214e−02	5.44	1703.405	NiII	6	4	0.122e−01	7.57
1584.852	SiII	1	3	0.183e−01	9.01	1707.0606	MgI	1	3	0.485e−02	8.50
1588.6876	FeII	10	8	0.124e−03	6.80	1709.600	NiII	6	6	0.688e−01	8.32
1589.173	SiII	1	3	0.503e−01	9.45	1741.549	NiII	6	6	0.104e+00	8.51
1589.5610	ZnI	1	3	0.122e+00	6.94	1746.823	NiII	2	4	0.819e−08	3.21
1595.8573	FeII	10	12	0.150e−06	3.89	1747.7937	MgI	1	3	0.102e−01	8.83
1598.001	ScII	4	4	0.175e−01	4.54	1748.646	NiII	2	2	0.155e−06	4.48
1600.373	BI	2	4	0.363e−01	4.64	1750.517	PII	2	4	0.132e−05	2.93
1600.455	BI	2	2	0.675e−02	3.91	1751.910	NiII	6	8	0.638e−01	8.30
1602.4863	GeII	2	2	0.135e+00	5.97	1756.800	PII	2	2	0.158e−04	4.01
1604.5587	FeII	10	8	0.840e−05	5.64	1762.892	AlI	2	4	0.266e+00	9.15
1608.4511	FeII	10	8	0.619e−01	9.51	1763.6607	SiII	1	3	0.121e−01	8.88
1608.8005	FeII	10	10	0.665e−07	3.54	1765.632	AlI	2	2	0.531e+00	9.45
1610.194	ScII	4	2	0.866e−01	5.23	1772.280	NiII	6	4	0.908e−04	5.46
1610.7441	FeII	10	10	0.102e−06	3.73	1773.949	NiII	6	8	0.622e−02	7.29
1611.2005	FeII	10	8	0.222e−03	7.06	1774.9487	PI	4	6	0.154e+00	8.01
1613.3763	CI	1	3	0.555e−04	7.51	1782.758	II	4	4	0.129e+00	3.87
1614.566	SiII	1	3	0.293e−01	9.22	1782.8291	PI	4	4	0.102e+00	7.83
1620.0608	FeII	10	8	0.240e−04	6.10	1783.318	NiII	6	6	0.117e−02	6.57
1623.7136	FeII	10	12	0.110e−06	3.76	1787.6481	PI	4	2	0.511e−01	7.53
1625.6823	FeII	10	10	0.303e−07	3.20	1804.473	NiII	6	8	0.716e−02	7.36
1625.7051	SiII	1	3	0.851e−01	9.69	1807.3113	SI	5	3	0.845e−01	9.45
1628.971	CoII	9	9	0.993e−04	4.12	1808.0126	SiII	2	4	0.256e−02	8.22
1630.36	BaII	2	2	0.677e−03	2.25	1817.564	NiII	6	6	0.152e−03	5.69
1631.1705	SiII	1	3	0.205e+00	10.07	1817.843	BI	2	2	0.156e−01	4.33
1635.1402	FeII	10	8	0.458e−07	3.38	1822.4553	SiII	1	3	0.631e−02	8.61
1639.6280	FeII	10	10	0.647e−07	3.54	1825.896	BI	2	4	0.175e+00	5.38
1642.3706	FeII	10	12	0.255e−06	4.13	1827.9351	MgI	1	3	0.283e−01	9.29
1649.8579	CaII	2	4	0.579e−03	6.32	1830.38	II	4	6	0.121e−01	2.86

Table 6. Resonance absorption lines above 228 Å ordered by wavelength

λ, Å	Species	g_i	g_k	f_{ik}	P	λ, Å	Species	g_i	g_k	f_{ik}	P
1841.1521	Si I	1	3	0.291e−01	9.28	1999.500	Mn I	6	6	0.457e−01	7.49
1842.889	Ni III	6	8	0.883e−03	6.46	1999.54	Ba II	2	4	0.120e−01	3.59
1845.5202	Si I	1	3	0.271e+00	10.25	2004.490	Mn I	6	8	0.608e−01	7.62
1851.3804	Fe I	9	11	0.158e−02	7.98	2011.816	Cr II	6	6	0.183e−04	4.25
1851.688	Fe I	9	7	0.222e−01	9.12	2012.161	Co II	9	9	0.466e−01	6.88
1854.7164	Al III	2	4	0.575e+00	9.51	2014.270	Cr II	6	8	0.875e−03	5.93
1859.2635	Fe I	9	7	0.315e−02	8.28	2017.569	Cr II	6	4	0.237e−05	3.36
1862.7895	Al III	2	2	0.286e+00	9.21	2021.64	Bi I	4	4	0.368e−02	1.58
1864.467	Ni III	6	4	0.307e−05	4.01	2022.67	Pb I	1	3	0.957e−02	3.34
1865.3093	Fe I	9	9	0.874e−02	8.72	2024.987	Cu I	2	6	0.181e−01	5.83
1873.0576	Fe I	9	9	0.320e−02	8.29	2026.136	Zn II	2	4	0.515e+00	7.67
1883.7789	Fe I	9	11	0.527e−02	8.51	2026.269	Cr II	6	6	0.471e−02	6.66
1888.0100	Fe II	10	10	0.115e−04	5.85	2026.407	Co II	9	9	0.605e−01	7.00
1890.42	As I	4	6	0.161e+00	4.85	2026.4768	Mg I	1	3	0.122e+00	9.97
1892.030	Si III	1	3	0.269e−04	6.26	2027.264	Ni I	9	7	0.116e−01	7.62
1896.150	Ni III	6	6	0.905e−03	6.48	2040.569	Cr II	6	4	0.441e−02	6.63
1900.021	Ti III	4	6	0.446e−03	4.86	2042.3676	Ge I	1	3	0.206e+00	6.25
1900.2866	S I	5	5	0.357e−04	6.10	2053.93	Pb I	1	3	0.228e−01	3.72
1901.7730	Fe II	10	8	0.101e−03	6.79	2056.254	Cr II	6	8	0.140e+00	8.14
1905.774	Ti III	4	6	0.161e−01	6.42	2059.471	Co II	9	11	0.130e−01	6.34
1906.239	Ti III	4	4	0.228e−01	6.57	2061.827	Ag I	2	4	0.395e−02	2.15
1908.734	C III	1	3	0.123e−06	4.93	2062.234	Cr II	6	6	0.105e+00	8.02
1910.609	Ti III	4	2	0.975e−01	7.20	2062.390	Bi I	4	6	0.947e−01	3.00
1910.938	Ti III	4	4	0.706e−01	7.06	2062.664	Zn II	2	2	0.253e+00	7.37
1915.2235	Fe I	9	7	0.586e−03	7.56	2066.161	Cr II	6	4	0.698e−01	7.84
1916.400	V II	1	3	0.199e−03	3.60	2066.436	B III	2	4	0.243e+00	5.58
1932.27	Al I	2	2	0.781e−01	8.66	2067.893	B III	2	2	0.121e+00	5.28
1934.5351	Fe I	9	7	0.111e−01	8.84	2070.511	Ag I	2	2	0.964e−03	1.54
1937.2685	Fe I	9	7	0.946e−02	8.77	2073.74	Sn I	1	3	0.696e−02	3.30
1937.59	As I	4	4	0.113e+00	4.71	2076.797	Co II	9	7	0.323e−04	3.74
1939.569	Ni III	6	8	0.193e−05	3.82	2078.011	Fe I	9	7	0.187e−02	8.10
1940.451	Cr I	7	9	0.125e−01	7.06	2083.446	Ca I	1	3	0.624e−02	7.45
1940.561	Cr I	7	7	0.970e−02	6.95	2084.7848	Fe I	9	7	0.189e−01	9.11
1940.640	Cr I	7	5	0.693e−02	6.81	2086.376	Fe I	9	9	0.108e−02	7.86
1941.280	Co II	9	7	0.755e−01	7.08	2089.559	B I	2	4	0.351e−01	4.75
1946.9880	Fe I	9	7	0.528e−02	8.52	2090.1082	Mg I	1	3	0.147e−06	4.07
1949.1427	Fe I	9	9	0.179e−02	8.05	2091.719	Co II	9	9	0.488e−03	4.92
1954.70	Bi I	4	6	0.103e+00	3.01	2098.160	Ca I	1	3	0.997e−02	7.66
1960.1441	Fe I	9	11	0.284e−02	8.26	2100.5707	Fe I	9	11	0.101e−02	7.84
1970.880	V II	1	3	0.335e−03	3.84	2108.8053	Fe I	9	11	0.212e−02	8.16
1972.62	As I	4	2	0.584e−01	4.40	2110.932	Bi I	4	2	0.304e−01	2.52
1977.5979	Si I	1	3	0.539e−01	9.58	2112.114	Co II	9	11	0.179e−02	5.49
1984.841	Co II	9	7	0.594e−04	3.98	2118.990	Al I	2	4	0.139e−01	7.95
1996.047	Mn I	6	4	0.308e−01	7.32	2119.346	Ca I	1	3	0.154e−01	7.85
1998.539	Co II	9	7	0.372e−03	4.78	2122.782	V II	1	3	0.111e−02	4.39

Table 6. Resonance absorption lines above 228 Å ordered by wavelength

λ, Å	Species	g_i	g_k	f_{ik}	P	λ, Å	Species	g_i	g_k	f_{ik}	P
2125.883	CoII	9	7	0.869e−04	4.18	2255.498	NiI	9	9	0.734e−02	7.47
2127.2813	FeI	9	11	0.534e−03	7.57	2255.71	GaI	2	2	0.236e−02	3.86
2130.335	AlI	2	4	0.200e−01	8.11	2256.573	NiI	9	9	0.979e−02	7.59
2132.6902	FeI	9	9	0.520e−02	8.55	2258.705	AlI	2	2	0.233e−02	7.20
2138.827	VII	1	3	0.820e−01	6.26	2260.2097	FeI	9	11	0.654e−02	8.68
2139.2473	ZnI	1	3	0.146e+01	8.14	2260.7805	FeII	10	10	0.372e−02	8.43
2139.2668	FeI	9	7	0.150e−02	8.02	2264.1637	AlI	2	4	0.978e−01	8.83
2140.3726	FeI	9	9	0.152e−01	9.02	2264.1747	FeI	9	7	0.476e−03	7.54
2141.767	VII	1	3	0.805e−02	5.26	2265.719	CdII	2	2	0.231e+00	4.48
2142.902	AlI	2	2	0.531e−03	6.54	2275.99	SrI	1	3	0.156e−01	4.48
2145.083	CdII	2	4	0.386e+00	4.68	2276.169	CaI	1	3	0.108e−01	7.73
2146.230	AlI	2	4	0.285e−01	8.27	2276.7289	FeI	9	7	0.101e−01	8.87
2151.472	CaI	1	3	0.203e−01	7.98	2277.281	BiI	4	4	0.194e−01	2.36
2158.850	CoII	9	9	0.154e−03	4.43	2288.724	CdI	1	3	0.125e+01	5.22
2165.229	AlI	2	2	0.802e−03	6.72	2290.690	NiI	9	7	0.128e+00	8.72
2165.775	CuI	2	4	0.717e−01	6.46	2294.91	GaI	2	4	0.111e−01	4.54
2167.4533	FeI	9	7	0.150e+00	10.02	2298.8769	FeI	9	9	0.245e−01	9.26
2169.27	TlI	2	4	0.138e−01	2.30	2299.663	MnII	7	5	0.546e−03	5.63
2169.5069	AlI	2	4	0.417e−01	8.44	2305.714	MnII	7	7	0.124e−02	5.99
2170.675	PbI	1	3	0.318e+00	4.89	2308.10	SrI	1	3	0.287e−01	4.75
2178.01	BiI	4	2	0.924e−03	1.01	2311.669	NiI	9	9	0.377e+00	9.19
2179.632	CuI	2	4	0.130e+00	6.72	2316.61	TlI	2	2	0.627e−02	1.98
2182.405	CuI	2	2	0.648e−01	6.42	2320.744	NiI	9	11	0.685e+00	9.45
2186.9338	FeI	9	11	0.952e−03	7.83	2324.214	CII	2	4	0.277e−08	3.37
2196.03	GaI	2	2	0.137e−02	3.61	2325.403	CII	2	2	0.448e−07	4.58
2199.868	AlI	2	2	0.130e−02	6.94	2329.231	SiII	2	4	0.215e−07	3.25
2201.414	CaI	1	3	0.188e−01	7.96	2335.123	SiII	2	2	0.372e−05	5.49
2203.670	CoII	9	9	0.534e−03	4.98	2338.202	NiI	9	7	0.222e−01	7.97
2205.3555	AlI	2	4	0.637e−01	8.63	2344.214	FeII	10	8	0.110e+00	9.92
2208.6665	SiI	1	3	0.522e−01	9.61	2346.259	NiI	9	7	0.143e+00	8.78
2209.497	MnI	6	4	0.344e−01	7.41	2348.228	NiI	9	9	0.184e−01	7.89
2214.540	MnI	6	6	0.544e−01	7.61	2349.329	BeI	1	3	0.139e+01	4.93
2222.523	MnI	6	8	0.785e−01	7.77	2355.040	SrI	1	3	0.449e−01	4.95
2226.389	CuI	2	2	0.342e−01	6.15	2359.650	LiI	2	6	0.363e−03	3.24
2227.07	SrI	1	3	0.357e−02	3.83	2365.453	CrI	7	9	0.569e−02	6.81
2228.933	BiI	4	4	0.663e−01	2.88	2365.782	CoI	10	10	0.107e−01	6.31
2231.319	BiI	4	6	0.291e+00	3.52	2366.634	CrI	7	7	0.462e−02	6.72
2234.4472	FeII	10	8	0.242e−06	4.24	2367.534	CrI	7	5	0.412e−02	6.67
2238.34	SrI	1	3	0.518e−02	3.99	2367.5905	FeII	10	8	0.160e−03	7.09
2238.51	TlI	2	4	0.285e−01	2.62	2367.7762	AlI	2	4	0.128e+00	8.96
2244.961	CuI	2	4	0.180e−02	4.88	2372.014	GaI	2	2	0.481e−02	4.19
2246.745	SnI	1	3	0.363e+00	5.05	2372.7944	AlI	2	2	0.486e−02	7.54
2249.8768	FeII	10	8	0.251e−02	8.26	2374.267	LiI	2	6	0.495e−03	3.38
2251.4880	FeI	9	9	0.143e−02	8.02	2374.4612	FeII	10	10	0.282e−01	9.34
2254.02	SrI	1	3	0.845e−02	4.21	2380.31	TlI	2	4	0.747e−01	3.07

Table 6. Resonance absorption lines above 228 Å ordered by wavelength

λ, Å	Species	g_i	g_k	f_{ik}	P	λ, Å	Species	g_i	g_k	f_{ik}	P
2382.765	FeII	10	12	0.301e+00	10.37	2586.6500	FeII	10	8	0.646e−01	9.73
2385.587	CoI	10	8	0.166e−01	6.51	2594.499	MnII	7	7	0.271e+00	8.38
2395.116	LiI	2	6	0.697e−03	3.53	2594.644	NaI	2	4	0.170e−03	5.95
2399.289	CaI	1	3	0.154e−02	6.91	2594.695	NaI	2	2	0.852e−04	5.65
2407.983	CoI	10	12	0.380e+00	7.87	2597.413	BaI	1	3	0.364e−01	4.19
2425.668	CoI	10	10	0.282e+00	7.75	2600.1729	FeII	10	10	0.224e+00	10.28
2426.163	LiI	2	6	0.102e−03	2.70	2606.462	MnII	7	5	0.193e+00	8.23
2428.69	AuI	2	4	0.352e+00	3.76	2640.499	IrI	10	10	0.491e−01	3.48
2428.832	SrI	1	3	0.451e−01	4.97	2647.289	BaI	1	3	0.347e−02	3.17
2442.377	CuI	2	2	0.179e−02	4.91	2652.3577	GeI	1	3	0.269e+00	6.48
2448.4510	FeI	9	7	0.231e−02	8.26	2653.2650	AlI	2	2	0.147e−01	8.07
2450.820	GaI	2	4	0.504e−01	5.22	2660.665	GaI	2	2	0.127e−01	4.66
2463.3923	FeI	9	9	0.532e−01	9.63	2669.948	AlII	1	3	0.107e−04	4.94
2473.9041	FeI	9	9	0.252e−02	8.30	2676.75	AuI	2	2	0.176e+00	3.50
2473.948	BaI	1	3	0.127e−02	2.71	2681.137	NaI	2	4	0.401e−03	6.34
2475.809	LiI	2	6	0.158e−02	3.90	2681.230	NaI	2	2	0.201e−03	6.04
2475.870	IrI	10	10	0.193e−01	3.05	2683.887	VII	1	3	0.103e+00	6.46
2484.0205	FeI	9	11	0.557e+00	10.65	2703.434	BaI	1	3	0.822e−02	3.56
2487.1231	FeI	9	7	0.222e−02	8.25	2706.021	VII	1	3	0.137e−01	5.59
2491.452	NaI	2	6	0.500e−04	5.41	2719.8330	FeI	9	7	0.119e+00	10.02
2492.898	CuI	2	4	0.579e−02	5.43	2722.450	CaI	1	3	0.201e−01	8.08
2497.5243	BI	2	2	0.808e−01	5.18	2735.623	CaI	1	3	0.406e−02	7.39
2498.727	GeI	1	3	0.365e−01	5.59	2740.053	BaI	1	3	0.307e−02	3.13
2500.953	BaI	1	3	0.422e−02	3.23	2740.525	VII	1	3	0.102e+00	6.47
2501.8858	FeI	9	7	0.496e−01	9.60	2741.995	LiI	2	6	0.431e−02	4.38
2503.737	IrI	10	12	0.372e−01	3.34	2768.74	TlI	2	4	0.290e+00	3.72
2512.890	NaI	2	2	0.260e−04	5.13	2786.098	BaI	1	3	0.977e−02	3.64
2512.911	NaI	2	4	0.520e−04	5.43	2795.641	MnI	6	8	0.565e+00	8.73
2515.0725	SiI	1	3	0.236e+00	10.32	2796.352	MgII	2	4	0.629e+00	10.83
2522.122	CoI	10	8	0.229e+00	7.67	2799.094	MnI	6	6	0.419e+00	8.60
2523.6084	FeI	9	9	0.279e+00	10.36	2801.907	MnI	6	4	0.290e+00	8.44
2537.279	HgI	1	3	0.232e−01	2.86	2803.531	MgII	2	2	0.314e+00	10.52
2541.585	ScII	3	5	0.420e−02	4.12	2808.0709	FeI	9	7	0.154e−03	7.15
2543.964	BaI	1	3	0.119e−01	3.69	2833.894	PbI	1	3	0.209e+00	4.82
2544.604	NaI	2	4	0.885e−04	5.66	2836.2904	FeI	9	9	0.391e−03	7.55
2544.636	NaI	2	2	0.442e−04	5.36	2852.9642	MgI	1	3	0.173e+01	11.27
2547.313	SnI	1	3	0.613e−01	4.33	2853.649	NaI	2	4	0.133e−02	6.89
2556.561	ScII	3	3	0.676e−01	5.33	2853.850	NaI	2	2	0.664e−03	6.59
2560.918	InI	2	4	0.786e−01	3.12	2864.165	SnI	1	3	0.199e+00	4.90
2563.080	LiI	2	6	0.258e−02	4.13	2875.0157	FeI	9	11	0.141e−02	8.12
2563.958	ScII	3	1	0.887e−01	5.45	2875.078	GaI	2	4	0.303e+00	6.07
2568.7523	AlI	2	4	0.597e−01	8.67	2913.0101	FeI	9	7	0.328e−02	8.49
2570.239	SrI	1	3	0.157e−01	4.54	2932.688	SrI	1	3	0.735e−02	4.26
2576.877	MnII	7	9	0.351e+00	8.49	2934.392	TiI	5	7	0.174e−01	6.64
2580.91	TlI	2	2	0.180e−01	2.49	2937.7624	FeI	9	9	0.168e−01	9.20

Table 6. Resonance absorption lines above 228 Å ordered by wavelength

λ, Å	Species	g_i	g_k	f_{ik}	P	λ, Å	Species	g_i	g_k	f_{ik}	P
2942.851	Ti II	5	5	0.135e+00	7.53	3194.1490	Fe I	9	9	0.678e−03	7.85
2949.26	Y I	4	4	0.456e−01	4.35	3194.892	Mo I	7	5	0.167e+00	4.69
2967.7646	Fe I	9	11	0.438e−01	9.62	3209.765	Mo I	7	5	0.306e−01	3.95
2975.46	Y I	4	6	0.697e−01	4.54	3227.911	Ni II	9	9	0.351e−03	6.30
2984.4402	Fe I	9	7	0.290e−01	9.45	3228.908	Rb I	2	4	0.200e−03	2.21
2984.999	Ni II	9	7	0.685e−02	7.56	3230.085	Rb I	2	2	0.594e−04	1.68
2997.81	Y I	4	6	0.170e−01	3.93	3230.131	Ti III	4	6	0.586e−01	7.21
3006.14	Y I	4	4	0.650e−02	3.51	3233.564	Li I	2	6	0.481e−02	4.50
3016.246	Sc I	4	6	0.160e+00	5.77	3233.864	Ni II	9	11	0.140e−01	7.91
3020.020	Ni II	9	7	0.685e−02	7.57	3242.929	Ti III	4	4	0.183e+00	7.70
3021.5187	Fe I	9	9	0.104e+00	10.01	3248.474	Cu I	2	4	0.431e+00	7.42
3023.356	Rb I	2	4	0.113e−04	0.93	3256.623	Sc I	4	4	0.505e−01	5.31
3032.859	Rb I	2	4	0.136e−04	1.02	3261.991	Cd I	1	3	0.194e−02	2.56
3040.24	In I	2	4	0.360e+00	3.86	3270.842	Sc I	4	2	0.251e+00	6.00
3044.435	V I	4	6	0.370e−01	6.07	3274.898	Cu I	2	2	0.214e+00	7.12
3045.065	Rb I	2	4	0.228e−04	1.24	3281.627	Ag I	2	4	0.452e+00	4.41
3054.542	V I	4	4	0.181e+00	6.76	3283.836	Ag I	2	2	0.210e+00	4.08
3058.292	Ti III	4	6	0.466e−02	6.08	3290.31	Yb II	2	4	0.584e+00	4.23
3061.134	Rb I	2	4	0.295e−04	1.36	3303.319	Na I	2	4	0.901e−02	7.78
3067.245	Ti III	4	4	0.466e−01	7.09	3303.929	Na I	2	2	0.450e−02	7.48
3068.623	Bi I	4	2	0.146e+00	3.36	3342.834	Ti I	5	7	0.152e+00	7.64
3072.476	Ba I	1	3	0.174e+00	4.94	3349.655	Rb I	2	4	0.461e−03	2.59
3073.877	Ti III	4	2	0.109e+00	7.46	3351.772	Rb I	2	2	0.150e−03	2.10
3076.794	Zn I	1	3	0.140e−03	4.28	3353.012	Sc II	3	5	0.450e−02	4.27
3082.896	Rb I	2	4	0.425e−04	1.52	3362.231	Sc II	3	3	0.576e−01	5.38
3083.0479	Al I	2	4	0.162e+00	9.18	3362.897	Sc II	3	1	0.661e−01	5.44
3112.95	Y II	1	3	0.567e−02	3.47	3370.531	Ni II	9	7	0.243e−01	8.16
3113.466	Rb I	2	4	0.727e−04	1.75	3384.740	Ti III	4	6	0.340e+00	7.99
3113.948	Rb I	2	2	0.189e−04	1.17	3392.013	Ni II	9	9	0.114e−01	7.84
3122.515	Ti III	4	6	0.128e−02	5.53	3397.82	Rh I	10	10	0.112e+00	3.67
3124.61	Rh I	10	8	0.539e−02	2.32	3410.550	Ni II	9	7	0.496e−03	6.48
3131.327	Be II	2	4	0.333e+00	4.44	3438.260	Ni II	9	9	0.787e−02	7.68
3131.973	Be II	2	2	0.167e+00	4.14	3441.5921	Fe I	9	7	0.236e−01	9.42
3133.499	Mo I	7	9	0.339e+00	4.99	3447.359	K I	2	4	0.599e−03	5.44
3146.018	Ni II	9	7	0.243e−04	5.13	3448.363	K I	2	2	0.299e−03	5.14
3148.961	Ti III	4	4	0.158e−01	6.63	3485.05	Y I	4	6	0.328e−02	3.28
3156.57	Y I	4	6	0.605e−03	2.50	3497.08	Y II	1	3	0.192e+00	5.05
3158.441	Rb I	2	4	0.101e−03	1.90	3502.109	Ba I	1	3	0.105e+00	4.78
3159.070	Mo I	7	7	0.693e−01	4.30	3503.526	Rh I	10	10	0.791e−01	3.53
3159.170	Rb I	2	2	0.299e−04	1.38	3527.852	Co I	10	10	0.240e−01	6.84
3171.251	Mo I	7	7	0.207e+00	4.78	3553.71	Y I	4	4	0.435e−01	4.41
3173.76	Y I	4	4	0.149e−02	2.89	3568.715	Sc II	3	5	0.111e+00	5.69
3184.933	V I	4	6	0.547e+00	7.26	3579.705	Cr I	7	9	0.366e+00	8.80
3187.372	Ti I	5	7	0.170e+00	7.66	3581.947	Sc II	3	3	0.237e+00	6.02
3192.5820	Fe I	9	7	0.282e−03	7.46	3588.069	Rb I	2	4	0.153e−02	3.14

Table 6. Resonance absorption lines above 228 Å ordered by wavelength

λ, Å	Species	g_i	g_k	f_{ik}	P	λ, Å	Species	g_i	g_k	f_{ik}	P
3592.593	Rb I	2	2	0.561e−03	2.70	4078.53	Y I	4	6	0.411e+00	5.44
3594.507	Cr I	7	7	0.290e+00	8.70	4078.865	Sr II	2	4	0.708e+00	6.39
3606.350	Cr I	7	5	0.225e+00	8.59	4084.86	Y I	4	4	0.625e−01	4.63
3612.461	Cs I	2	4	0.587e−03	1.45	4102.922	In I	2	2	0.141e+00	3.58
3618.300	Cs I	2	2	0.491e−04	0.37	4133.588	Ba I	1	3	0.546e−02	3.56
3636.498	Ti II	5	7	0.223e+00	7.84	4144.03	Y I	4	4	0.412e+00	5.45
3643.822	Sc II	3	5	0.375e+00	6.23	4203.035	Rb I	2	4	0.953e−02	4.00
3650.3427	Fe I	9	7	0.700e−04	6.92	4205.87	Y II	1	3	0.175e−01	4.09
3680.9611	Fe I	9	9	0.280e−02	8.52	4216.711	Sr II	2	2	0.338e+00	6.08
3693.408	Rh I	10	8	0.149e+00	3.83	4216.744	Rb I	2	2	0.400e−02	3.63
3695.24	Yb II	2	2	0.287e+00	3.98	4217.3714	Fe I	9	9	0.490e−04	6.83
3718.449	Ti II	5	7	0.123e−01	6.59	4227.918	Ca I	1	3	0.194e+01	10.25
3720.9928	Fe I	9	11	0.412e−01	9.70	4255.529	Cr I	7	9	0.110e+00	8.35
3730.867	Ti II	5	5	0.891e−01	7.45	4275.999	Cr I	7	7	0.839e−01	8.23
3776.797	Tl I	2	2	0.134e+00	3.52	4290.923	Cr I	7	5	0.622e−01	8.11
3794.685	V I	4	6	0.256e−02	5.01	4304.784	Nd II	8	10	0.163e+00	4.32
3799.337	Mo I	7	9	0.192e+00	4.82	4361.155	Tm I	8	6	0.278e−01	2.21
3809.599	V I	4	4	0.322e−01	6.11	4377.1597	Fe I	9	11	0.104e−03	7.17
3819.326	V I	4	2	0.736e−01	6.47	4387.666	Tm I	8	8	0.121e−01	1.86
3825.5289	Fe I	9	7	0.483e−02	8.78	4555.310	Ba II	2	4	0.728e+00	5.73
3845.528	V I	4	6	0.199e−01	5.90	4556.698	Cs I	2	4	0.117e−01	2.85
3856.455	V I	4	4	0.736e−01	6.47	4572.3767	Mg I	1	3	0.205e−05	5.55
3861.0058	Fe I	9	9	0.217e−01	9.43	4594.482	Cs I	2	2	0.253e−02	2.19
3864.422	Nd II	8	10	0.420e−01	3.68	4595.32	Eu I	8	10	0.554e+00	3.95
3865.211	Mo I	7	7	0.140e+00	4.69	4608.622	Sr I	1	3	0.192e+01	6.88
3877.204	Cs I	2	4	0.171e−02	1.94	4628.52	Eu I	8	8	0.417e+00	3.83
3888.448	Tm I	8	8	0.861e−01	2.65	4644.99	Y I	4	6	0.873e−01	4.83
3889.667	Cs I	2	2	0.220e−03	1.05	4663.19	Eu I	8	6	0.318e+00	3.71
3890.43	Ba I	1	3	0.599e−02	3.58	4935.463	Ba II	2	2	0.349e+00	5.45
3904.074	Mo I	7	5	0.101e+00	4.56	5111.8373	Fe I	9	9	0.193e−04	6.50
3908.595	Sc I	4	6	0.570e+00	6.44	5537.021	Ba I	1	3	0.164e+01	6.17
3934.777	Ca II	2	4	0.650e+00	9.75	5558.02	Yb I	1	3	0.158e−01	2.89
3945.1224	Al I	2	2	0.123e+00	9.17	5891.5833	Na I	2	4	0.670e+00	9.91
3963.972	Ti II	5	7	0.136e−01	6.66	5897.5581	Na I	2	2	0.335e+00	9.61
3969.591	Ca II	2	2	0.322e+00	9.45	6193.44	Y I	4	4	0.270e−01	4.44
3982.888	Ti II	5	5	0.893e−01	7.48	6224.31	Y I	4	6	0.514e−02	3.73
3989.11	Yb I	1	3	0.126e+01	4.65	6574.595	Ca I	1	3	0.506e−04	5.86
3997.728	Sc I	4	6	0.593e−01	5.46	6709.613	Li I	2	4	0.499e+00	6.83
4021.528	Sc I	4	4	0.395e+00	6.29	6709.764	Li I	2	2	0.249e+00	6.53
4031.892	Mn I	6	8	0.565e−01	7.89	7667.021	K I	2	4	0.682e+00	8.85
4034.127	Ga I	2	2	0.123e+00	5.83	7701.093	K I	2	2	0.339e+00	8.55
4034.202	Mn I	6	6	0.402e−01	7.74	7802.374	Rb I	2	4	0.675e+00	6.12
4035.623	Mn I	6	4	0.258e−01	7.55	7913.514	Ba I	1	3	0.839e−02	4.03
4045.285	K I	2	4	0.609e−02	6.52	7949.79	Rb I	2	2	0.322e+00	5.81
4048.356	K I	2	2	0.304e−02	6.22						