Table 1. Intervening Absorption Line Systems

System ID	$\lambda_{\rm obs}$ [a] (Å)	Identification	$z_{\rm abs}$	Δv [b] (km s^{-1})	W_{obs} [c] (Å)	σ_{obs} (Å)	W_0 [d] (Å)	σ_0 (Å)	log N [e] (cm^{-2})	Comments
S1	6167.76	Mg II 2796.3543	1.2056	-75 to 75	0.52	0.03	0.23	0.01	12.82 ± 0.04	
S1	6183.51	Mg II 2803.5315	1.2056	-75 to 75	0.32	0.03	0.15	0.01	12.82 ± 0.04	
S2	4315.53	C IV 1548.204	1.7874	-75 to 75	0.89	0.04	0.32	0.02	14.27 ± 0.12	Slightly blended on redward side
S2	4322.54	C IV 1550.781	1.7873	-75 to 75	0.62	0.06	0.22	0.02	14.27 ± 0.12	
S3	4200.51	Si IV 1393.7602	2.0138	-75 to 75	0.24	0.06	0.08	0.02	13.03 ± 0.16	
S3	4227.27	Si IV 1402.7729	2.0135	-75 to 75	0.15	0.06	0.05	0.02	13.03 ± 0.16	
S3	4665.62	C IV 1548.204	2.0136	-75 to 75	0.56	0.04	0.19	0.01	13.77 ± 0.06	
S3	4673.43	C IV 1550.781	2.0136	-75 to 75	0.30	0.04	0.10	0.01	13.77 ± 0.06	
S4	4423.18	Si IV 1393.7602	2.1736	-90 to 135	1.47	0.03	0.46	0.01	16.19 ± 0.14 [f]	Blended with N V λ1238
S4	4451.44	Si IV 1402.7729	2.1733	-90 to 135	0.50	0.03	0.16	0.01	16.19 ± 0.14 [f]	
S4	4844.26	Si II 1526.7070	2.1730	-90 to 135	0.37	0.05	0.12	0.02	14.88 ± 0.20	
S4	4913.20	C IV 1548.204	2.1735	-90 to 135	1.08	0.06	0.34	0.02	17.15 ± 0.20 [f]	
S4	4921.22	C IV 1550.781	2.1734	-90 to 135	0.97	0.06	0.31	0.02	17.15 ± 0.20 [f]	
S4	5104.22	Fe II 1608.4511	2.1734	-90 to 135	0.11	0.04	0.04	0.01	13.45 ± 0.09	
S4	5301.51	Al II 1670.7886	2.1731	-90 to 135	0.31	0.05	0.10	0.01	13.71 ± 0.55	
S4	5737.71	Si II 1808.0129	2.1735	-90 to 135	0.12	0.03	0.04	0.01	14.88 ± 0.20	
S4	5885.37	Al III 1854.7184	2.1732	-90 to 135	0.21	0.04	0.07	0.01	13.18 ± 0.20	
S4	5911.14	Al III 1862.7910	2.1733	-90 to 135	0.17	0.04	0.05	0.01	13.18 ± 0.20	
S4	7438.51	Fe II 2344.2139	2.1731	-90 to 135	0.36	0.05	0.11	0.02	13.45 ± 0.09	
S4	7535.57	Fe II 2374.4612	2.1736	-90 to 135	0.11	0.04	0.03	0.01	13.45 ± 0.09	Noisy.
S4	7560.52	Fe II 2382.7652	2.1730	-90 to 135	0.33	0.04	0.10	0.01	13.45 ± 0.09	
S4	8209.00	Fe II 2586.6500	2.1736	-90 to 135	0.03	0.05	0.01	0.02	13.45 ± 0.09	Noisy. In telluric-corrected region
S4	8250.25	Fe II 2600.1729	2.1730	-90 to 135	0.27	0.05	0.09	0.01	13.45 ± 0.09	In telluric-corrected region
S4	8873.89	Mg II 2796.3543	2.1734	-90 to 135	1.09	0.03	0.34	0.01	15.71 ± 0.17 [f]	
S4	8896.62	Mg II 2803.5315	2.1734	-90 to 135	0.98	0.03	0.31	0.01	15.71 ± 0.17 [f]	
S5	4441.21	Si IV 1393.7602	2.1865	-110 to 140	0.15	0.03	0.05	0.01	12.78 ± 0.10	
S5	4467.41	Si IV 1402.7729	···	-110 to 140	0.05	0.04	0.02	0.01		Noisy
S5	4933.06	C IV 1548.204	2.1863	-110 to 140	1.02	0.06	0.32	0.02	14.03 ± 0.05	
S5	4941.22	C IV 1550.781	2.1863	-110 to 140	0.53	0.06	0.17	0.02	14.03 ± 0.05	

Table 1—Continued

System ID	$\lambda_{\rm obs}$ [a] (Å)	Identification	$z_{\rm abs}$	Δv [b] (km s^{-1})	W_{obs} [c] (Å)	σ_{obs} (Å)	W_0 [d] (Å)	σ_0 (Å)	$\log N$ [e] (cm^{-2})	Comments
S6	4620.80	Si IV 1393.7602	2.3153	-60 to 60	0.24	0.05	0.07	0.02	12.97 ± 0.21	
S6	5132.96	C IV 1548.204	2.3154	-60 to 60	0.23	0.03	0.07	0.01	13.33 ± 0.09	
S6	5141.35	C IV 1550.781	2.3153	-60 to 60	0.11	0.03	0.03	0.01	13.33 ± 0.09	
S7	4638.62	Si IV 1393.7602	2.3281	-75 to 85	0.34	0.05	0.10	0.02	13.04 ± 0.12	
S7	4667.92	Si IV 1402.7729	2.3276	-75 to 85	0.32	0.04	0.10	0.01	13.04 ± 0.12	Blended - upper limit
S7	5152.71	C IV 1548.204	2.3282	-75 to 85	0.32	0.03	0.10	0.01	13.43 ± 0.07	
S7	5160.90	C IV 1550.781	2.3279	-75 to 85	0.16	0.03	0.05	0.01	13.43 ± 0.07	
S8	5232.74	C IV 1548.204	2.3799	-75 to 75	0.94	0.03	0.28	0.01	16.66 ± 1.14	Saturated
S8	5241.52	C IV 1550.781	2.3799	-75 to 75	0.82	0.04	0.24	0.01	16.66 ± 1.14	Saturated
S9	5321.50	C IV 1548.204	2.4372	-75 to 75	0.24	0.04	0.07	0.01	13.27 ± 0.19	
S9	5330.74	C IV 1550.781	2.4375	-75 to 75	0.06	0.04	0.02	0.01	13.27 ± 0.19	
S10	5364.24	C IV 1548.204	2.4648	-55 to 60	0.26	0.03	0.08	0.01	13.31 ± 0.19	Uncertain
S10	5372.70	C IV 1550.781	2.4645	-55 to 60	0.08	0.03	0.02	0.01	13.31 ± 0.19	Uncertain
S11	4858.47	Si IV 1393.7602	2.4859	-50 to 50	0.24	0.03	0.07	0.01	13.16 ± 0.21	
S11	4890.06	Si IV 1402.7729	2.4860	-50 to 50	0.17	0.04	0.05	0.01	13.16 ± 0.21	
S11	5396.95	C IV 1548.204	2.4859	-50 to 50	0.32	0.03	0.09	0.01	13.73 ± 0.23	
S11	5405.97	C IV 1550.781	2.4860	-50 to 50	0.23	0.03	0.07	0.01	13.73 ± 0.23	

[a]Vacuum heliocentric wavelengths.

[b]Velocity range for the equivalent width measurements, relative to the mean z_{abs} for each system. The latter was calulated using only clean unblended lines.

[c]Observed-frame equivalent width and 1σ random error.

[d]Rest-frame equivalent width and 1σ random error.

[e]Ion column density and 1σ error computed with vpfit.

[f]Multiple components fitted with vpfit at $z = 2.1732$ and $z = 2.1739$.

Note. — Note that the systematic errors are comparable to the random errors.