

Table 1. Calculated Galaxy and Absorption Properties

(1) QSO	(2) J-Name	(3) z_{gal}	Mg II Absorption			B-band			K-band					
			(4) z_{abs}	(5) $W_r(2796)$ Å	(6) DR	(7) Ref ^a	(8) D (kpc)	(9) K_{By} ^b	(10) M_B^c	(11) L_B/L_B^*	(12) K_{Ky} ^d	(13) M_K^c	(14) L_K/L_K^*	(15) $B-K$
0002-422	J000448.11-415728.8	0.840	0.836627	4.422 ± 0.002	1.12 ± 0.09	14	53.8	-0.08	-21.04	0.66	...	...	...	...
0002+051	J000520.21+052411.80	0.298	0.298059	0.244 ± 0.003	1.336 ± 0.029	3	59.2	-1.39	-19.78	0.38	-0.52	-22.22	0.64	2.43
0002+051	J000520.21+052411.80	0.592	0.591365	0.102 ± 0.002	1.539 ± 0.039	3	36.0	-0.80	-20.88	0.76	-0.53	-22.94	1.08	2.05
0002+051	J000520.21+052411.80	0.85180	0.851393	1.089 ± 0.008	1.160 ± 0.013	3	25.9	-0.64	-20.91	0.58	-0.88	-21.65	0.29	0.74
SDSS	J003340.21-005525.53	0.2124	0.2121	1.05 ± 0.03	...	6	21.7	0.20	-20.87	1.15	0.06	-21.83	0.47	0.96
SDSS	J003407.34-085452.07	0.3617	0.3616	0.48 ± 0.05	...	6	33.1	0.54	-19.57	0.29	0.13	-20.59	0.14	1.02
SDSS	J003413.04-010026.86	0.2564	0.2564	0.61 ± 0.06	...	6	30.4	0.80	-19.68	0.37	0.43	-21.68	0.40	1.99
0058+019	J010054.15+021136.52	0.6128	0.612586	1.684 ± 0.004	1.06 ± 0.09	14	29.5	-0.40	-19.14	0.15	-0.59	-20.47	0.11	1.32
0058+019	J010054.15+021136.52	0.680	0.680	< 0.0034	...	2	45.6	-0.34	-20.76	0.61	-0.63	-21.96	0.42	1.20
SDSS	J010135.84-005009.08	0.2615	0.2615	< 0.11	...	6	50.9	0.82	-20.53	0.80	0.44	-22.34	0.74	1.81
SDSS	J010156.32-084401.74	0.1588	0.1586	0.36 ± 0.03	...	6	28.4	0.11	-18.44	0.13	0.14	-19.93	0.08	1.49
SDSS	J010352.47+003739.79	0.3515	0.3508	0.38 ± 0.03	...	6	48.3	0.71	-19.48	0.27	0.27	-20.85	0.17	1.37
0102-190	J010516.82-184641.9	1.025	1.0262	0.67 ± 0.05	0.971 ± 0.1	1	40.0	0.28	-21.64	0.93	...	...	...	...
0109+200	J011210.18+202021.79	0.534	0.5346	2.26 ± 0.05	1.32 ± 0.09	3	44.7	-0.95	-19.30	0.19	-0.51	-23.39	1.68	4.09
0117+213	J012017.20+213346.00	0.5763	0.576398	0.902 ± 0.007	1.070 ± 0.01	14	7.8	-0.40	-21.58	1.47	-0.52	-23.68	2.14	2.09
0117+213	J012017.20+213346.00	0.729	0.729077	0.244 ± 0.005	1.839 ± 0.088	3	55.4	-0.38	-21.90	1.67	-0.59	-24.03	2.79	2.12
0122-003	J012528.84-000555.93	0.3788	0.3791	0.05 ± 0.01	...	5	77.7	-0.52	-20.43	0.64	-0.58	-21.20	0.24	0.76
0141+339	J014411.70+341157.92	0.4708	0.4708	0.78 ± 0.07	1.200 ± 0.17	8	38.1	-0.57	-18.67	0.11	-0.57	-19.60	0.05	0.92
0150-202	J015227.32-200107.10	0.383	0.3887	0.58 ± 0.05	1.81 ± 0.09	3	59.6	-1.02	-19.49	0.27	...	...	...	...
0150-202	J015227.32-200107.10	0.603	0.603	< 0.0348	...	2	53.9	-0.47	-22.08	2.25	-0.61	-22.91	1.04	0.82
0150-202	J015227.32-200107.10	0.780	0.780	0.36 ± 0.04	1.710 ± 0.38	8	54.7	-0.14	-20.97	0.67	-0.70	-22.01	0.42	1.03
SDSS	J015453.03-095535.39	0.5663	0.5663	< 0.30	...	12	56.7	1.27	-21.36	1.21	0.64	-23.01	1.16	1.64
SDSS	J021558.40-011135.79	0.2103	0.2108	0.77 ± 0.05	...	6	27.6	0.20	-20.14	0.59	0.05	-21.21	0.27	1.06
0226-4110	J022815.2-405716	0.2067	0.2067	< 0.02	...	5	33.6	-0.75	-17.09	0.04	...	...	...	...
0226-4110	J022815.2-405716	0.2674	0.2678	0.03 ± 0.01	...	5	62.8	-0.72	-19.55	0.32	...	...	...	...
SDSS	J022950.32-074256.77	0.3866	0.3861	1.74 ± 0.04	...	6	27.6	0.59	-20.11	0.47	0.16	-21.28	0.25	1.16
0229+131	J023145.89+132254.71	0.4167	0.417338	0.816 ± 0.02	1.163 ± 0.042	3	36.9	-1.21	-20.95	0.99	-0.52	-22.99	1.23	2.04
0235+164	J023838.93+163659.27	0.524	0.524	2.34 ± 0.05	1.06 ± 0.09	3	12.1	-0.90	-21.26	1.16	-0.56	-22.69	0.88	1.43

Table 1—Continued

(1) QSO	(2) J-Name	(3) z_{gal}	(4) z_{abs}	Mg II Absorption			(7) Ref ^a	(8) D (kpc)	B-band			K-band			(15) $B-K$
				(5) W_r (2796) Å	(6) DR	(9) $K_{B_y}^b$			(10) M_B^c	(11) L_B/L_B^*	(12) $K_{K_y}^d$	(13) M_K^c	(14) L_K/L_K^*		
0235+164	J023838.93+163659.27	0.852	0.852	0.44 ± 0.05	...	8	7.6	0.12	-21.86	1.39	-0.69	-23.35	1.41	1.48	
0302-223	J030450.10-221157.00	0.418	0.42041	0.727 ± 0.028	1.154 ± 0.063	15	126.0	-0.81	-22.67	4.80	...	...	...	...
0302-223	J030450.10-221157.00	1.000	1.009382	1.099 ± 0.036	1.100 ± 0.04	14	61.2	0.24	-21.32	0.72	...	...	...	...
SDSS	J032232.58+003649.13	0.2185	0.2183	1.31 ± 0.12	...	6	16.0	0.28	-17.97	0.08	0.18	-19.61	0.06	1.63	
0334-204	J033626.90-201940.00	1.120	1.1174	2.06 ± 0.05	1.177 ± 0.04	1	64.3	0.44	-22.33	1.59	...	...	...	...
0349-146	J035128.54-142908.71	0.3236	0.3236	< 0.0117	...	2	125.8	-1.36	-19.96	0.44	-0.47	-22.30	0.68	2.34	
0349-146	J035128.54-142908.71	0.3567	0.357168	0.175 ± 0.007	1.171 ± 0.069	3	71.3	-0.87	-20.17	0.52	-0.56	-20.46	0.12	0.28	
SDSS	J035242.12+001307.32	0.3671	0.3677	1.45 ± 0.05	...	6	50.8	1.30	-20.22	0.53	0.66	-21.95	0.48	1.73	
0454-220	J045608.92-215909.40	0.2784	0.2784	< 0.0052	...	2	50.3	-0.85	-18.83	0.16	-0.50	-19.30	0.04	0.46	
0454-220	J045608.92-215909.40	0.3818	0.3818	< 0.0184	...	2	102.6	-1.02	-20.22	0.52	-0.49	-22.00	0.50	1.78	
0454-220	J045608.92-215909.40	0.48382	0.483337	0.426 ± 0.007	1.331 ± 0.037	3	107.1	-0.94	-21.23	1.18	-0.51	-22.90	1.09	1.66	
0454+039	J045647.17+040052.94	0.072	0.072	0.72 ± 0.05	1.10 ± 0.09	1	5.4	-1.04	-16.11	0.02	...	...	...	...
0454+039	J045647.17+040052.94	0.201	0.201	< 0.0183	...	2	87.5	-1.15	-20.49	0.82	-0.40	-22.50	0.89	2.01	
0454+039	J045647.17+040052.94	0.8596	0.859569	1.476 ± 0.009	1.030 ± 0.01	14	16.0	0.14	-19.23	0.12	...	...	...	...
SDSS	J075001.85+161305.05	0.1466	0.1469	0.26 ± 0.08	...	6	19.6	0.06	-17.97	0.09	0.05	-19.01	0.03	1.04	
SDSS	J075450.04+184952.79	0.2856	0.2856	< 0.04	...	6	54.0	0.93	-20.52	0.77	0.49	-22.36	0.74	1.84	
SDSS	J075525.51+172836.59	0.2541	0.2546	0.51 ± 0.02	...	6	47.4	0.38	-20.36	0.69	0.20	-21.91	0.49	1.54	
SDSS	J080004.56+184935.15	0.2544	0.2536	0.30 ± 0.04	...	6	30.1	0.29	-20.08	0.53	0.07	-21.01	0.21	0.92	
SDSS	J081420.19+383408.3	0.09801	0.09833	0.57 ± 0.05	2.040 ± 0.37	11	52.5	-0.62	-20.88	1.33	-0.20	-22.33	0.84	1.44	
SDSS	J082340.18+074801.68	0.1864	0.1863	0.37 ± 0.04	...	6	37.3	0.45	-20.50	0.84	0.32	-22.39	0.81	1.89	
0827+243	J083052.08+241059.82	0.258	0.258	< 0.128	...	2	69.5	-1.08	-19.38	0.28	-0.48	-21.15	0.24	1.76	
0827+243	J083052.08+241059.82	0.5247	0.524966	2.419 ± 0.012	1.041 ± 0.009	3	37.2	-0.98	-20.86	0.80	-0.51	-23.10	1.28	2.23	
0836+113	J083933.01+111203.82	0.78682	0.786725	2.133 ± 0.019	1.050 ± 0.013	3	26.8	-0.56	-20.36	0.38	-0.70	-21.23	0.20	0.86	
SDSS	J084119.78+012621.75	0.4091	0.4084	0.10 ± 0.02	...	6	76.4	0.89	-21.12	1.16	0.34	-22.44	0.74	1.31	
SDSS	J084456.06+004708.95	0.1551	0.1554	0.40 ± 0.05	...	6	31.4	0.10	-19.74	0.44	0.14	-21.21	0.28	1.46	
SDSS	J085826.93+022604.49	0.1097	0.1097	< 0.09	...	6	91.4	-0.01	-19.18	0.27	0.05	-20.16	0.11	0.98	
SDSS	J090519.70+084917.32	0.1499	0.1501	0.82 ± 0.1	...	6	8.6	-0.00	-16.36	0.02	-0.04	-16.98	0.00	0.62	
SDSS	J090519.70+084917.32	0.3856	0.3856	< 0.06	...	6	101.1	0.59	-20.52	0.69	0.16	-21.77	0.40	1.24	

Table 1—Continued

(1) QSO	(2) J-Name	(3) z_{gal}	(4) z_{abs}	MgII Absorption			(7) Ref ^a	(8) D (kpc)	B-band			K-band			(15) $B-K$
				(5) $W_r(2796)$ Å	(6) DR	(9) $K_{B\gamma}$			(10) M_B^c	(11) L_B/L_B^*	(12) $K_{K\gamma}^d$	(13) M_K^c	(14) L_K/L_K^*		
SDSS	J090519.70+084917.32	0.4545	0.4545	< 0.06	...	6	86.7	0.37	-20.48	0.61	-0.01	-21.11	0.21	0.63	
SDSS	J091119.16+031152.9	0.09616	0.09636	0.82 ± 0.1	2.410 ± 0.59	11	70.0	-0.63	-20.84	1.28	-0.20	-22.51	0.99	1.66	
SDSS	J091845.91+060226.09	0.1849	0.1849	< 0.11	...	6	81.0	0.45	-20.23	0.66	0.32	-22.27	0.73	2.03	
SDSS	J092300.67+075108.2	0.10385	0.10423	2.25 ± 0.14	1.610 ± 0.17	11	10.0	-0.99	-20.99	1.46	-0.19	-23.28	2.00	2.28	
SDSS	J093251.82+073729.11	0.3876	0.3876	1.10 ± 0.02	...	6	35.9	0.60	-20.78	0.87	0.16	-21.88	0.45	1.10	
SDSS	J093536.98+112408.03	0.2808	0.2811	0.79 ± 0.04	...	6	20.0	0.35	-19.79	0.40	0.07	-20.90	0.19	1.10	
SDSS	J100807.51+014448.97	0.2173	0.2173	< 0.30	...	6	163.8	0.28	-21.65	2.34	0.17	-22.99	1.38	1.33	
SDSS	J100906.36+023555.31	0.2523	0.2521	0.10 ± 0.01	...	6	33.7	0.78	-20.60	0.86	0.42	-22.57	0.92	1.96	
SDSS	J102218.98+013218.82	0.1369	0.1369	< 0.17	...	6	106.0	0.19	-20.55	0.94	0.26	-22.67	1.10	2.11	
1019+309	J102230.29+304105.11	0.346	0.346247	0.624 ± 0.017	1.484 ± 0.068	15	46.0	-0.98	-19.96	0.43	-0.56	-21.20	0.24	1.23	
SDSS	J102751.62+104532.61	0.1093	0.1093	< 0.23	...	13	80.8	-0.62	-21.65	2.66	-0.22	-23.06	1.63	1.40	
SDSS	J102847.00+391800.5	0.11348	0.11411	0.30 ± 0.02	2.230 ± 0.36	11	87.2	-0.01	-20.98	1.42	0.05	-22.12	0.68	1.13	
SDSS	J103607.51+015659.14	0.3571	0.3571	< 0.03	...	6	169.9	0.53	-21.93	2.60	0.12	-23.08	1.38	1.15	
SDSS	J103836.50+095138.85	0.1742	0.1744	1.04 ± 0.06	...	6	15.1	0.16	-18.52	0.14	0.15	-20.03	0.09	1.51	
1038+064	J104117.16+061016.92	0.3157	0.3157	< 0.0296	...	2	53.6	-1.02	-18.71	0.14	-0.53	-20.92	0.19	2.20	
1038+064	J104117.16+061016.92	0.4432	0.441453	0.673 ± 0.011	1.338 ± 0.041	3	55.9	-1.16	-20.29	0.52	-0.51	-23.11	1.35	2.81	
SDSS	J104935.99+075813.74	0.4793	0.4793	< 0.30	...	12	176.5	1.62	-20.98	0.94	1.09	-24.28	3.91	3.30	
SDSS	J105033.08-001354.84	0.1155	0.1155	< 0.16	...	13	85.1	-0.62	-21.45	2.19	-0.24	-22.86	1.34	1.40	
1100-264	J110325.29-264515.7	0.359	0.358989	0.545 ± 0.001	1.255 ± 0.004	15	60.8	-0.86	-20.23	0.54	...	...	...	...
SDSS	J111342.42-000730.80	0.1094	0.1094	< 0.25	...	13	49.8	-0.98	-21.33	1.97	-0.20	-23.54	2.54	2.21	
SDSS	J111850.13-002100.7	0.13159	0.13158	1.93 ± 0.08	1.060 ± 0.06	11	27.1	0.05	-21.01	1.44	0.13	-22.56	1.00	1.54	
SDSS	J112016.66+093323.53	0.4933	0.4933	2.14 ± 0.03	...	6	34.0	0.77	-21.33	1.28	0.30	-22.40	0.68	1.07	
SDSS	J112613.52+352002.60	0.1117	0.1117	< 0.20	...	13	97.7	-0.98	-20.54	0.96	-0.21	-22.64	1.10	2.10	
1127-145	J113007.05-144927.38	0.20735	0.20735	< 0.0045	...	2	114.3	-1.51	-18.77	0.17	...	...	...	...
1127-145	J113007.05-144927.38	0.27921	0.27921	< 0.0041	...	2	117.4	-1.48	-19.17	0.22	...	...	...	...
1127-145	J113007.05-144927.38	0.30515	0.30515	< 0.0039	...	2	193.5	-1.47	-20.12	0.52	...	...	...	...
1127-145	J113007.05-144927.38	0.33293	0.33293	< 0.0038	...	10	180.9	-1.45	-20.09	0.49	...	...	...	...
SDSS	J113757.02+085017.21	0.3356	0.336	0.91 ± 0.06	...	6	31.1	0.49	-19.96	0.43	0.10	-21.04	0.21	1.08	

Table 1—Continued

(1) QSO	(2) J-Name	(3) z_{gal}	(4) z_{abs}	MgII Absorption		(7) Ref ^a	(8) D (kpc)	B-band			K-band			
				(5) W_r (2796) Å	(6) DR			(9) K_{B_y} ^b	(10) M_B^c	(11) L_B/L_B^*	(12) K_{K_y} ^d	(13) M_K^c	(14) L_K/L_K^*	(15) $B-K$
SDSS	J114144.62+080614.79	0.2290	0.2286	0.31 ± 0.03	...	6	76.7	0.24	-20.40	0.73	0.06	-21.37	0.31	0.97
SDSS	J114144.62+080614.79	0.3583	0.3585	0.49 ± 0.02	...	6	61.1	0.73	-20.90	1.00	0.28	-22.12	0.57	1.22
SDSS	J114444.63+071443.75	0.4906	0.4906	0.60 ± 0.1	...	12	97.6	1.66	-21.80	1.98	1.14	-24.29	3.92	2.49
SDSS	J114518.47+451601.4	0.13389	0.13402	1.06 ± 0.06	0.990 ± 0.07	11	38.6	-0.36	-21.60	2.47	-0.29	-22.29	0.78	0.69
SDSS	J114657.91+020712.69	0.5437	0.5437	1.60 ± 0.2	...	12	74.7	1.85	-22.22	2.74	1.38	-24.31	3.89	2.09
SDSS	J114803.17+565411.4	0.10451	0.10433	1.59 ± 0.06	1.270 ± 0.07	11	29.5	-0.99	-20.94	1.39	-0.19	-23.33	2.10	2.39
1148+387	J115129.37+382552.35	0.5536	0.553363	0.64 ± 0.013	1.749 ± 0.067	3	20.4	-0.87	-20.81	0.74	-0.59	-22.00	0.46	1.19
SDSS	J120932.26+004555.92	0.2533	0.2533	< 0.09	...	6	54.2	0.78	-19.46	0.30	0.42	-21.12	0.24	1.65
1209+107	J121140.59+103002.02	0.392	0.392924	1.187 ± 0.005	1.437 ± 0.012	3	37.5	-0.97	-19.01	0.17	-0.56	-20.04	0.08	1.02
1222+228	J122527.39+223513.0	0.5502	0.550198	0.094 ± 0.009	1.562 ± 0.242	3	37.7	-0.91	-19.19	0.17	-0.51	-21.37	0.25	2.17
1229-021	J123200.01-022405.27	0.7546	0.756903	0.303 ± 0.003	1.280 ± 0.02	14	12.4	-0.12	-20.32	0.38	-0.66	-21.66	0.31	1.33
1241+176	J124410.82+172104.52	0.550	0.550482	0.465 ± 0.011	1.290 ± 0.043	3	21.1	-0.87	-20.33	0.48	-0.57	-21.68	0.34	1.34
1245+345	J124727.83+341509.56	0.941	0.941	0.46 ± 0.04	1.210 ± 0.17	8	27.4	-0.15	-20.89	0.51	-0.94	-21.63	0.28	0.74
1246-057	J124913.85-055919.07	0.637	0.639909	0.45 ± 0.004	1.178 ± 0.016	3	29.0	-0.75	-20.02	0.33	-0.61	-21.66	0.32	1.63
1248+401	J125048.32+395139.48	0.7725	0.772957	0.695 ± 0.005	1.280 ± 0.02	14	35.4	-0.15	-19.90	0.25	-0.69	-21.18	0.19	1.28
1254+047	J125659.92+042734.39	0.9341	0.934231	0.338 ± 0.005	1.500 ± 0.04	14	12.5	0.32	-19.93	0.21	-0.72	-21.16	0.18	1.22
SDSS	J125739.22+144806.26	0.4648	0.4644	0.12 ± 0.02	...	6	33.8	0.38	-21.42	1.44	-0.01	-21.91	0.44	0.48
SDSS	J130554.17+014929.82	0.1747	0.174	0.45 ± 0.03	...	6	129.8	0.39	-20.98	1.33	0.30	-23.14	1.64	2.15
SDSS	J130554.17+014929.82	0.2258	0.2258	< 0.06	...	6	71.9	0.30	-20.25	0.64	0.18	-21.74	0.43	1.48
SDSS	J131815.12+012450.67	0.5405	0.5405	< 0.30	...	12	105.9	1.84	-21.65	1.64	1.36	-23.85	2.55	2.19
1317+277	J131956.23+272808.22	0.6610	0.660049	0.32 ± 0.006	1.611 ± 0.057	3	103.1	-0.72	-21.02	0.80	-0.62	-22.47	0.68	1.45
1317+277	J131956.23+272808.22	0.6719	0.6719	< 0.0051	...	2	57.7	-0.70	-21.47	1.19	-0.62	-23.01	1.11	1.54
1321+294	J132320.55+291007.15	0.231	0.231	0.71 ± 0.05	...	8	17.2	-1.06	-19.16	0.23	-0.45	-21.39	0.31	2.23
SDSS	J132757.41+101141.78	0.2557	0.2553	0.65 ± 0.04	...	6	25.5	0.29	-19.22	0.24	0.07	-20.42	0.12	1.19
SDSS	J132831.08+075942.01	0.2358	0.2362	0.21 ± 0.05	...	6	99.8	0.09	-20.30	0.66	-0.09	-21.14	0.25	0.84
SDSS	J132831.08+075942.01	0.3323	0.3326	0.59 ± 0.04	...	6	32.5	0.65	-21.22	1.38	0.25	-22.51	0.83	1.29
1331+170	J133335.78+164904.01	0.7443	0.744642	1.836 ± 0.003	1.30 ± 0.09	14	30.5	0.26	-20.32	0.38	-0.59	-22.34	0.58	2.02
1332+552	J133411.70+550124.98	0.373	0.374	2.90 ± 0.05	1.00 ± 0.09	3	27.7	-1.28	-20.92	1.01	-0.53	-23.00	1.26	2.07

Table 1—Continued

(1) QSO	(2) J-Name	(3) z_{gal}	(4) z_{abs}	MgII Absorption			(7) Ref ^a	(8) D (kpc)	B-band			K-band			(15) $B-K$
				(5) W_{τ} (2796) Å	(6) DR	(9) $K_{B\gamma}$ ^b			(10) M_B^c	(11) L_B/L_B^*	(12) $K_{K\gamma}$ ^d	(13) M_K^c	(14) L_K/L_K^*		
1354+195	J135704.43+191907.37	0.44060	0.4406	< 0.013	...	2	140.2	-0.98	-20.09	0.43	-0.50	-21.56	0.32	1.47	
1354+195	J135704.43+191907.37	0.4592	0.456598	0.773 ± 0.015	1.333 ± 0.044	3	45.1	-0.97	-20.08	0.42	-0.55	-21.48	0.30	1.40	
1354+195	J135704.43+191907.37	0.8031	0.8031	< 0.005	...	2	191.8	0.22	-21.69	1.26	-0.61	-23.42	1.54	1.72	
SDSS	J140619.61+130106.82	0.1748	0.1748	< 0.17	...	6	121.6	0.16	-20.72	1.05	0.15	-22.47	0.89	1.74	
SDSS	J140619.61+130106.82	0.2220	0.2222	0.96 ± 0.06	...	6	17.7	0.22	-19.78	0.42	0.06	-20.78	0.18	0.99	
SDSS	J140843.77+004730.46	0.1146	0.1146	< 0.27	...	13	48.6	-0.97	-20.25	0.73	-0.21	-22.91	1.41	2.66	
SDSS	J141654.33-000520.35	0.4746	0.4746	< 0.30	...	12	83.7	1.61	-21.20	1.16	1.07	-24.27	3.87	3.06	
SDSS	J142310.50+093357.14	0.6139	0.6139	< 0.15	...	12	172.6	2.14	-23.13	5.87	1.65	-25.33	9.71	2.20	
SDSS	J142556.40-001818.79	0.1382	0.1382	< 0.29	...	6	133.5	0.20	-22.06	3.76	0.26	-24.29	4.90	2.22	
1424-118	J142738.10-120350.00	0.3404	0.341716	0.10 ± 0.015	1.869 ± 0.394	3	85.9	-1.05	-20.13	0.51	-0.49	-21.91	0.47	1.77	
SDSS	J143216.78+095519.29	0.3293	0.3296	2.36 ± 0.04	...	6	19.0	0.64	-19.94	0.43	0.25	-21.55	0.34	1.61	
SDSS	J150339.98+064259.96	0.1809	0.1809	< 0.17	...	6	26.1	0.43	-18.34	0.12	0.31	-20.29	0.11	1.94	
SDSS	J150339.98+064259.96	0.2333	0.2333	< 0.09	...	6	94.6	0.25	-19.49	0.32	0.06	-20.40	0.12	0.91	
SDSS	J151228.82-011223.12	0.1284	0.1284	0.94 ± 0.16	...	6	25.2	0.02	-19.04	0.23	0.05	-20.23	0.11	1.18	
1511+103	J151329.29+101105.54	0.437	0.4369	0.454 ± 0.046	1.29 ± 0.09	3	38.0	-0.95	-19.82	0.34	-0.57	-20.92	0.18	1.10	
SDSS	J151541.23+334739.49	0.1156	0.1156	< 0.19	...	13	29.7	-0.62	-20.73	1.13	-0.24	-22.35	0.84	1.62	
SDSS	J153112.98+091138.78	0.2659	0.266	0.31 ± 0.03	...	6	48.3	0.42	-19.05	0.20	0.21	-20.86	0.18	1.81	
SDSS	J153112.98+091138.78	0.3265	0.3265	< 0.06	...	6	91.3	0.46	-19.61	0.32	0.09	-20.83	0.17	1.22	
SDSS	J153715.34+023049.73	0.2151	0.2151	0.80 ± 0.02	...	6	29.0	0.06	-19.93	0.48	-0.08	-20.74	0.17	0.81	
1548+092	J155103.39+090849.25	0.339	0.339	< 0.0242	...	2	103.8	-0.98	-20.69	0.85	-0.53	-22.45	0.77	1.75	
1548+092	J155103.39+090849.25	0.554	0.554	< 0.0232	...	2	64.5	-0.55	-20.76	0.71	-0.51	-22.57	0.78	1.81	
1548+092	J155103.39+090849.25	0.7703	0.770643	0.229 ± 0.018	1.117 ± 0.129	15	40.5	-0.34	-19.46	0.17	-0.83	-20.14	0.07	0.68	
1548+092	J155103.39+090849.25	0.803	0.803	< 0.0202	...	2	120.9	-0.11	-22.81	3.52	-0.67	-23.99	2.60	1.17	
SDSS	J155336.46+053423.97	0.3227	0.324	0.71 ± 0.01	...	6	70.3	0.61	-21.34	1.57	0.25	-22.64	0.94	1.30	
SDSS	J155557.07-003608.41	0.3006	0.3006	< 0.06	...	6	47.7	0.17	-19.32	0.25	-0.11	-19.75	0.06	0.42	
SDSS	J160726.77+471251.37	0.4980	0.498	1.20 ± 0.2	...	12	188.6	1.12	-21.30	1.24	0.50	-22.72	0.92	1.41	
SDSS	J160749.34-002219.86	0.3985	0.3993	0.80 ± 0.01	...	6	48.8	0.86	-21.19	1.25	0.32	-22.74	0.98	1.55	
SDSS	J160905.42+071337.29	0.2075	0.2075	< 0.12	...	6	52.2	0.25	-20.20	0.63	0.17	-22.04	0.58	1.83	

Table 1—Continued

(1) QSO	(2) J-Name	(3) z_{gal}	(4) z_{abs}	MgII Absorption		(7) Ref ^a	(8) D (kpc)	B-band			K-band			
				(5) W_r (2796) Å	(6) DR			(9) $K_{B_y}^b$	(10) M_B^c	(11) L_B/L_B^*	(12) $K_{K_y}^d$	(13) M_K^c	(14) L_K/L_K^*	(15) $B-K$
SDSS	J161714.12+243255.63	0.5703	0.5703	1.50 ± 0.3	...	12	46.7	1.95	-22.49	3.41	1.49	-24.87	6.43	2.37
SDSS	J161940.56+254323.0	0.12438	0.12501	0.32 ± 0.03	1.120 ± 0.18	11	43.0	-0.95	-20.72	1.11	-0.23	-22.81	1.27	2.08
1622+238	J162439.08+234512.20	0.261	0.261	< 0.0147	...	2	125.0	-1.43	-17.99	0.08	-0.48	-21.02	0.22	3.03
1622+238	J162439.08+234512.20	0.2800	0.280	< 0.0129	...	15	140.3	-0.72	-17.16	0.04	-0.51	-18.70	0.02	1.53
1622+238	J162439.08+234512.20	0.3181	0.317597	0.491 ± 0.01	1.230 ± 0.044	3	54.4	-1.36	-19.83	0.39	-0.53	-22.68	0.97	2.85
1622+238	J162439.08+234512.20	0.4720	0.47193	0.769 ± 0.006	1.187 ± 0.016	3	34.0	-0.93	-19.00	0.15	-0.57	-19.93	0.07	0.92
1622+238	J162439.08+234512.20	0.565	0.565	< 0.024	...	2	61.7	-0.86	-18.39	0.08	-0.71	-18.76	0.02	0.37
1622+238	J162439.08+234512.20	0.635	0.635	< 0.024	...	2	64.0	-0.83	-18.36	0.07	-0.74	-18.40	0.01	0.03
1622+238	J162439.08+234512.20	0.6560	0.656106	1.446 ± 0.006	1.098 ± 0.007	3	99.3	-0.75	-19.76	0.25	-0.64	-20.69	0.13	0.93
1622+238	J162439.08+234512.20	0.7016	0.702902	0.032 ± 0.003	1.607 ± 0.27	3	112.3	-0.65	-20.97	0.72	-0.64	-22.59	0.74	1.61
1622+238	J162439.08+234512.20	0.7975	0.797078	0.468 ± 0.008	1.617 ± 0.049	3	71.3	-0.47	-20.74	0.53	-0.67	-22.40	0.60	1.66
1622+238	J162439.08+234512.20	0.8280	0.828	< 0.0055	...	15	139.3	0.30	-19.69	0.19	-0.62	-21.83	0.35	2.14
1622+238	J162439.08+234512.20	0.8909	0.891276	1.548 ± 0.004	1.093 ± 0.005	3	23.2	-0.61	-20.63	0.43	-0.91	-21.05	0.16	0.41
1704+710	J170426.08+705734.7	0.7123	0.7123	1.49 ± 0.05	...	8	22.1	-0.21	-19.56	0.20	-0.64	-20.92	0.16	1.35
2000-330	J200324.11-325145.13	0.791	0.791669	1.165 ± 0.002	1.159 ± 0.003	15	49.8	-0.19	-21.77	1.38	...	...	...	...
SDSS	J204303.55-010126.05	0.1329	0.1329	< 0.29	...	6	39.6	0.05	-18.59	0.15	0.13	-20.09	0.10	1.49
SDSS	J204303.55-010126.05	0.2356	0.235	1.24 ± 0.05	...	6	48.6	0.09	-20.96	1.21	-0.09	-21.57	0.37	0.61
SDSS	J210230.72+094125.08	0.3565	0.3563	0.71 ± 0.04	...	6	22.5	0.73	-19.82	0.37	0.28	-21.02	0.20	1.20
SDSS	J211626.32-062437.44	0.5237	0.5237	0.50 ± 0.1	...	12	142.5	1.77	-21.88	2.06	1.29	-23.94	2.80	2.05
SDSS	J212938.59-063801.85	0.2782	0.2779	0.58 ± 0.03	...	6	27.5	0.46	-18.94	0.18	0.21	-20.63	0.15	1.69
2128-123	J213135.26-120704.79	0.430	0.429735	0.395 ± 0.01	1.166 ± 0.047	3	48.1	-1.18	-20.35	0.56	-0.51	-22.41	0.71	2.06
2145+067	J214805.45+065738.60	0.790	0.790866	0.547 ± 0.005	1.520 ± 0.02	14	40.8	-0.19	-20.87	0.60	-0.67	-22.27	0.53	1.39
2206-199	J220852.07-194359.0	0.752	0.751923	0.89 ± 0.002	1.10 ± 0.09	14	11.7	-0.13	-20.41	0.41	...	...	...	...
2206-199	J220852.07-194359.0	0.948	0.948361	0.249 ± 0.002	1.331 ± 0.015	3	86.9	-0.56	-21.56	0.95	-0.07	-22.31	0.52	0.74
2206-199	J220852.07-194359.0	1.01655	1.017038	1.047 ± 0.003	1.143 ± 0.005	3	104.4	-0.50	-22.74	2.59	-0.07	-23.37	1.37	0.63
SDSS	J221126.76+124458.16	0.4872	0.484	0.40 ± 0.02	...	6	31.3	1.65	-21.51	1.53	1.13	-24.05	3.15	2.53
SDSS	J221526.74+011356.47	0.1952	0.1952	< 0.23	...	6	30.9	0.04	-17.88	0.07	-0.07	-18.72	0.02	0.84
SDSS	J221526.74+011356.47	0.3203	0.3201	0.40 ± 0.05	...	6	50.5	0.45	-20.22	0.56	0.09	-21.38	0.29	1.15

Table 1—Continued

(1) QSO	(2) J-Name	(3) z_{gal}	(4) z_{abs}	MgII Absorption		(7) Ref ^a	(8) D (kpc)	B-band			K-band			
				(5) W_{τ} (2796) Å	(6) DR			(9) K_{B_y} ^b	(10) M_B ^c	(11) L_B/L_B^*	(12) K_{K_y} ^d	(13) M_K ^c	(14) L_K/L_K^*	(15) $B-K$
SDSS	J223246.80+134702.04	0.3221	0.3225	0.92 ± 0.05	...	6	39.2	0.61	-21.34	1.56	0.25	-22.67	0.96	1.33
SDSS	J223316.87+133309.90	0.2138	0.2139	1.36 ± 0.06	...	6	32.3	0.20	-20.50	0.82	0.06	-21.61	0.39	1.10
SDSS	J223359.93-003315.79	0.1162	0.1162	1.11 ± 0.09	...	6	12.1	0.01	-17.98	0.09	0.12	-19.48	0.06	1.50
2231-002	J223408.99+000001.69	0.8549	0.855069	0.784 ± 0.004	1.310 ± 0.02	14	23.6	0.13	-20.01	0.25	...	...	...	...
SDSS	J224704.78-081617.54	0.4270	0.427	< 0.06	...	6	111.7	0.94	-21.56	1.71	0.36	-22.88	1.11	1.32
SDSS	J225036.72+000759.49	0.14826	0.14837	1.08 ± 0.07	0.970 ± 0.09	11	52.4	-0.92	-20.82	1.18	-0.29	-23.78	3.04	2.95
SDSS	J230225.49-082154.12	0.3618	0.362	2.02 ± 0.06	...	6	34.4	1.28	-20.81	0.92	0.64	-22.48	0.79	1.66
SDSS	J230845.60-091449.45	0.2147	0.2139	0.43 ± 0.07	...	6	12.7	0.60	-19.32	0.27	0.36	-21.53	0.36	2.21
SDSS	J232735.98+153309.57	0.4756	0.4756	< 0.30	...	12	161.7	1.07	-20.52	0.62	0.45	-22.18	0.56	1.66
SDSS	J232925.18-100722.43	0.4606	0.4606	< 0.30	...	12	98.1	1.56	-21.44	1.47	1.00	-23.58	2.06	2.14
2342+089	J234433.00+091039.4	0.7233	0.7233	1.48 ± 0.05	1.44 ± 0.09	8	34.5	-0.24	-22.23	2.26	-0.67	-23.51	1.73	1.28
2343+125	J234628.21+124859.9	0.7148	0.7148	< 0.0051	...	15	84.4	-0.26	-21.24	0.92	-0.67	-22.50	0.68	1.25
2343+125	J234628.21+124859.9	0.7313	0.731219	1.655 ± 0.006	1.190 ± 0.01	14	32.5	-0.23	-19.23	0.14	-0.68	-20.46	0.10	1.22
SDSS	J234949.61+003535.39	0.2778	0.2776	0.35 ± 0.02	...	6	31.8	0.46	-19.51	0.31	0.21	-21.43	0.31	1.91

^aMgII Absorption Measurements: (1) Guillemin & Bergeron (1997), (2) Churchill et al. (2013a), (3) Kacprzak et al. (2011b), (4) Steidel et al. (1997), (5) Chen & Tinker (2008), (6) Chen et al. (2010a), (8) Steidel, Dickinson, & Persson (1994), (9) Steidel (personal communication), (10) Kacprzak, Murphy, & Churchill (2010), (11) Kacprzak et al. (2011a), (12) Gauthier & Chen (2011), (13) Barton & Cooke (2009), (14) Evans (2011), and (15) This work.

^b K -correction used to obtain M_B from column (8) in Table 1 – Observed Galaxy Properties.

^cAbsolute magnitudes are AB magnitudes.

^d K -correction used to obtain M_K from column (11) in Table 1 – Observed Galaxy Properties.