Table 3. Calculated Isolated Galaxy and Absorption Properties

				Mg II Absorption	ption				B-band			K-band		
(1) QSO	(2) J-Name	$ (3) $ $ z_{\rm gal} $	(4) z_{abs}	(5) $W_r(2796)$ (Å)	(6) DR	(7) Ref $^{\rm a}$	$\begin{array}{c} (8) \\ D \\ (\mathrm{kpc}) \end{array}$	$(9) \\ K_{By}^{\text{ b}}$	$(10) \\ M_B{}^c$	$(11) \\ L_B/L_B^*$	$(12) K_{Ky}^{\rm d}$	$(13) \\ M_K{}^{\rm c}$	$(14) \\ L_K/L_K^*$	(15) B - K
0002-422	J000448.11-415728.8	0.840	0.836627	4.422 ± 0.002	1.12 ± 0.09	13	53.8	-0.08	-21.04	99.0	:	:	:	:
0002 + 051	3000520.21 + 052411.80	0.298	0.298059	0.244 ± 0.003	1.336 ± 0.029	33	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	က	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	က	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	:	9	21.7	0.20	-20.87	1.15	90.0	-21.83	0.47	96.0
SDSS	$J003407.34\!-\!085452.07$	0.3617	0.3616	0.48 ± 0.05	:	9	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	:	9	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	13	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	:	9	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	:	9	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	:	9	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	ಣ	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	13	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	ಣ	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	:	ಬ	7.77	-0.52	-20.43	0.64	-0.58	-21.20	0.24	0.76
0122 - 003	J012528.87 - 000555.93	0.398525	0.399410	0.399 ± 0.01	1.352 ± 0.056	15	163.0	-0.61	-21.32	1.41	:	:	:	1.80
0141 + 339	J014411.70 + 341157.92	0.4708	0.4708	0.78 ± 0.07	1.200 ± 0.17	7	38.1	-0.57	-18.67	0.11	-0.57	-19.60	0.05	0.92
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	7	54.7	-0.14	-20.97	29.0	-0.70	-22.01	0.42	1.03
SDSS	$J015453.03\!-\!095535.39$	0.5663	0.5663	< 0.30	:	11	2.99	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	:	9	27.6	0.20	-20.14	0.59	0.05	-21.21	0.27	1.06
SDSS	$J022950.32 {-074256.77}$	0.3866	0.3861	1.74 ± 0.04	:	9	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	က	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
0235 + 164	$J023838.93{+}163659.27$	0.852	0.852	0.44 ± 0.05	:	7	9.7	0.12	-21.86	1.39	-0.69	-23.35	1.41	1.48

Table 3—Continued

				Mg II Absorption	ption				B-band			K-band		
QSO	(2) J-Name	(3) $z_{\rm gal}$	(4) $z_{\rm abs}$	(5) $W_r(2796)$ (Å)	$(6) \\ DR$	(7) Ref $^{\rm a}$	(8) D (kpc)	$(9) K_{By}^{b}$	$(10) \\ M_B{}^{\rm c}$	$(11) \\ L_B/L_B^*$	$(12) \\ K_{Ky}^{\rm d}$	$(13) \\ M_K{}^{\rm c}$	$(14) \\ L_K/L_K^*$	$(15) \\ B - K$
0302 - 223	J030450.10 - 221157.00	0.418	0.42041	0.727 ± 0.028	1.154 ± 0.063	14	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	13	61.2	0.24	-21.32	0.72	:	:	:	:
SDSS	$J032232.58 {+} 003649.13$	0.2185	0.2183	1.31 ± 0.12	:	9	16.0	0.28	-17.97	80.0	0.18	-19.61	90.0	1.63
0334 - 204	J033626.90 - 201940.00	1.120	1.1174	2.06 ± 0.05	1.177 ± 0.04	П	64.3	0.44	-22.33	1.59	:	:	:	:
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	:	9	50.8	1.30	-20.22	0.53	99.0	-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	П	5.4	-1.04	-16.11	0.03	:	:	:	:
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	13	16.0	0.14	-19.23	0.12	:	:	:	:
SDSS	${\tt J075001.85{+}161305.05}$	0.1466	0.1469	0.26 ± 0.08	:	9	19.6	90.0	-17.97	0.09	0.05	-19.01	0.03	1.04
SDSS	$J075450.04{+}184952.79$	0.2856	0.2856	< 0.04	:	9	54.0	0.93	-20.52	0.77	0.49	-22.36	0.74	1.84
SDSS	${\scriptstyle J075525.51 + 172836.59}$	0.2541	0.2546	0.51 ± 0.02	:	9	47.4	0.38	-20.36	69.0	0.20	-21.91	0.49	1.54
SDSS	$J080004.56{+}184935.15$	0.2544	0.2536	0.30 ± 0.04	:	9	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	10	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	:	9	37.3	0.45	-20.50	0.84	0.32	-22.39	0.81	1.89
0827 + 243	$J083052.08 {\pm} 241059.82$	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	33	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	98.0
SDSS	$J084119.78{+}012621.75$	0.4091	0.4084	0.10 ± 0.02	:	9	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	:	9	31.4	0.10	-19.74	0.44	0.14	-21.21	0.28	1.46
SDSS	$J085826.93 {\pm} 022604.49$	0.1097	0.1097	< 0.09	:	9	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	:	9	8.6	-0.00	-16.36	0.03	-0.04	-16.98	0.00	0.62
SDSS	$J090519.70 {+} 084917.32$	0.3856	0.3856	< 0.06	:	9	101.1	0.59	-20.52	69.0	0.16	-21.77	0.40	1.24
SDSS	$J090519.70 {+} 084917.32$	0.4545	0.4545	< 0.06	:	9	86.7	0.37	-20.48	0.61	-0.01	-21.11	0.21	0.63

Table 3—Continued

				MgII Absorption	rption		'		B-band			K-band		
(1) QSO	(2) J-Name	(3) $z_{\rm gal}$	$(4) \\ z_{\rm abs}$	(5) $W_r(2796)$ (Å)	$(6) \\ DR$	(7) Ref $^{\rm a}$	(8) D (kpc)	$(9) K_{By}^{b}$	$(10) \\ M_B{}^c$	$(11) \\ L_B/L_B^*$	$(12) K_{Ky} d$	$(13) \\ M_K{}^c$	$(14) \\ L_K/L_K^*$	$(15) \\ B - K$
SDSS	J091119.16 + 031152.9	0.09616	0.09636	0.82 ± 0.1	2.410 ± 0.59	10	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	:	9	81.0	0.45	-20.23	99.0	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	10	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	:	9	35.9	09.0	-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	:	9	20.0	0.35	-19.79	0.40	0.07	-20.90	0.19	1.10
0950 + 483	J095000.73 + 483129.3	0.211865	0.211620	0.608 ± 0.024	1.242 ± 0.059	15	93.6	-1.49	-20.61	0.90	:	:	:	2.39
SDSS	J100807.51 + 014448.97	0.2173	0.2173	< 0.30	:	9	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	:	9	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	:	9	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	14	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	:	12	80.8	-0.62	-21.65	2.66	-0.22	-23.06	1.63	$^{-3}$
SDSS	J102847.00 + 391800.5	0.11348	0.11411	0.30 ± 0.02	2.230 ± 0.36	10	87.2	-0.01	-20.98	1.42	0.02	-22.12	89.0	1.13
SDSS	J103607.51 + 015659.14	0.3571	0.3571	< 0.03	:	9	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	:	9	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	33	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	:	11	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	:	12	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	14	8.09	-0.86	-20.23	0.54	:	:	:	:
SDSS	J111342.42 - 000730.80	0.1094	0.1094	< 0.25	:	12	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	10	27.1	0.05	-21.01	1.44	0.13	-22.56	1.00	1.54
SDSS	$J112016.66 {\pm} 093323.53$	0.4933	0.4933	2.14 ± 0.03	:	9	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	:	12	7.76	-0.98	-20.54	96.0	-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	:	6	180.9	-1.45	-20.09	0.49	:	:	:	:

Table 3—Continued

$ \begin{array}{c c c c c c c c c c c c c c c c c c c $					Mg II Absorption	rption				B-band			K-band		
11131757,02+085017.21 0.336 0.336 0.91 ± 0.06 6 31.1 0.49 -19.96 0.43 0.10 -21.04 0.11414,62+080614.79 0.2286 0.31 ± 0.03 6 7.67 0.24 -20.40 0.73 0.06 -21.37 0.11414,62+080614.79 0.3583 0.3585 0.49 ± 0.02 6 61.1 0.73 -20.00 1.00 0.38 -22.22 0.4906 0.490 ± 0.03 0.10 0.20 0.28 0.21.33 0.11444,62+080614.70 0.3583 0.13402 0.106 ± 0.06 0.909 ± 0.07 10 38.6 0.36 -21.60 2.47 0.29 -22.23 0.11444,63+0714.45 0.144 0.1389 0.13402 0.106 ± 0.06 0.909 ± 0.07 10 38.6 0.36 -21.06 2.47 0.29 -22.23 0.1144,63+0712.80 0.5383 0.5383 0.548 ± 0.08 0.270 ± 0.09 0.29 -20.99 0.19 0.21 0.20	(1) QSO	(2) J-Name	$ (3) $ $z_{\rm gal}$	$z_{\rm abs}$	(5) $W_r(2796)$ (Å)	(6) DR	$\stackrel{(7)}{\rm Ref}^{\rm a}$	(8) <i>D</i> (kpc)	$(9) K_{By}^{b}$	$(10) \\ M_B{}^{\rm c}$	$(11) \\ L_B/L_B^*$	$(12) K_{Ky}^{\rm d}$	(13) M_K^{c}	$(14) \\ L_K/L_K^*$	$(15) \\ B - K$
1114144462+080614.73 0.2385 0.2385 0.49±0.02 6 76.7 0.24 20.04 0.73 0.05 0.28 22.13 1114444.62+080614.73 0.5383 0.4906 0.49060 0.690±0.07 1114444.62+08143.75 0.4906 0.4906 0.4906 0.690±0.07 11 0.74 1.65 2.09 1.00 0.28 2.2.23 1114451.84.74.451601.4 0.13389 0.13402 0.13402 0.5437 1.06±0.06 0.590±0.07 11 0.74 1.85 2.2.22 2.74 1.98 1.14 2.2.23 1.14657.91+020712.6 0.5437 1.06±0.06 1.20±0.07 1.06±	SDSS	J113757.02+085017.21	0.3356	0.336	0.91 ± 0.06	:	9	31.1	0.49	-19.96	0.43	0.10	-21.04	0.21	1.08
111414465+08061479 0.5885 0.49 ± 0.02 6 61.1 0.73 2.0.90 1.00 0.28 2.212 111444468+074443.75 0.4906 0.4906 0.690±0.0 11 7.76 1.66 -21.80 1.99 1.14 -2.220 11444468+074443.75 0.4906 0.4906 0.990±0.0 11 7.47 1.66 -21.80 1.99 1.14 -2.220 1.47 -0.29 -2.23 114441657.94+20712.80 0.5437 0.104±0.2 1.20±0.4 1.0 3.5 -0.90 -2.0 1.47 -0.90 -2.0 1.9 -2.1 -2.2 2.4 -0.9 -2.2 1.2 -2.2 2.4 -0.9 -2.2 2.4 -0.9 -2.2 2.4 -0.9 -2.2 2.4 -0.9 -2.2 2.4 -0.9 -2.2 2.4 -0.9 -2.2 2.4 -0.9 -2.2 2.4 -0.9 -0.9 -0.9 -0.9 -0.9 -0.9 -0.9 </td <td>SDSS</td> <td>J114144.62 + 080614.79</td> <td>0.2290</td> <td>0.2286</td> <td>0.31 ± 0.03</td> <td>:</td> <td>9</td> <td>7.97</td> <td>0.24</td> <td>-20.40</td> <td>0.73</td> <td>90.0</td> <td>-21.37</td> <td>0.31</td> <td>0.97</td>	SDSS	J114144.62 + 080614.79	0.2290	0.2286	0.31 ± 0.03	:	9	7.97	0.24	-20.40	0.73	90.0	-21.37	0.31	0.97
1144684463+071443.75 0.4906 0.4906 0.600±0.01 11 0.76 0.2180 0.247 0.229 0.2220 0.144588-4453.85 0.13389 0.13302 0.106±0.06 0.990±0.07 10 38.6 0.216 0.216 0.249 0.229 0.2294 0.14458.44463.401.26 0.14518 0.14518 0.14518 0.14518 0.14518 0.14518 0.14518 0.14518 0.14518 0.14518 0.14518 0.14518 0.14518 0.14518 0.14518 0.14518 0.14518 0.14518 0.14518 0.14519 0.14518	SDSS	J114144.62 + 080614.79	0.3583	0.3585	0.49 ± 0.02	:	9	61.1	0.73	-20.90	1.00	0.28	-22.12	0.57	1.22
11451847+4516014 0.13389 0.13402 1.06 ±0.06 0.990 ±0.07 10 38.6 -0.36 -2.160 2.47 -0.29 -2.223 -2.233	SDSS	J114444.63 + 071443.75	0.4906	0.4906	0.60 ± 0.1	:	11	9.76	1.66	-21.80	1.98	1.14	-24.29	3.92	2.49
114657.91+020712.69 0.5437 0.5447 0.10451 0.10452 0.5538 0.44±0.013 0.44±0.007 0.404 0.007 0.404 0.007 0.404 0.007 0.404 0.004 0.004 0.004 0.007 0.004 0.007 0.004 0.007 0.004	SDSS	J114518.47 + 451601.4	0.13389	0.13402	1.06 ± 0.06	0.990 ± 0.07	10	38.6	-0.36	-21.60	2.47	-0.29	-22.29	0.78	0.69
387 1115129.37+38255.35 0.5536 0.549.0 1.799 + 0.097 10 9.5 -0.99 -0.9	SDSS	J114657.91 + 020712.69	0.5437	0.5437	1.60 ± 0.2	:	11	74.7	1.85	-22.22	2.74	1.38	-24.31	3.89	2.09
387 J115129.37+382552.35 0.5536 0.5538 0.64±0013 1.749±0.067 3 20.4 -0.87 -20.81 0.74 -0.59 -22.00 1120932.26+004555.92 0.2533 0.2533 <0.093	SDSS	J114803.17 + 565411.4	0.10451	0.10433	1.59 ± 0.06	1.270 ± 0.07	10	29.5	-0.99	-20.94	1.39	-0.19	-23.33	2.10	2.39
10 120992.26+004555.02 0.533 < 0.099 6 54.2 0.78 -19.46 0.30 0.42 -21.12 11 120992.26+004555.02 0.392 0.39294 1.187±0.005 1.437±0.012 3 37.5 -0.97 -19.01 0.17 -0.95 -20.04 228 1122527.39+223513.0 0.5502 0.550198 0.994±0.009 1.562±0.242 3 37.7 -0.91 -19.91 0.17 -0.56 2.20.04 572 1123200.01-022405.27 0.7546 0.75693 0.304±0.009 1.58±0.005 13 12.4 -0.12 -0.93 0.37 -0.09 -0.09 1.20 -0.93 0.09 -0.06 -0.09 -0.09 1.20 0.09 -0.09 -0.09 -0.09 -0.09 0.04 0.09 -0.09 -0.09 0.04 0.09 0.04 0.09 0.04 0.09 0.04 0.09 0.04 0.09 0.04 0.09 0.04 0.09 0.04 0.09 0.04 </td <td>1148 + 387</td> <td></td> <td>0.5536</td> <td>0.553363</td> <td>0.64 ± 0.013</td> <td>1.749 ± 0.067</td> <td>က</td> <td>20.4</td> <td>-0.87</td> <td>-20.81</td> <td>0.74</td> <td>-0.59</td> <td>-22.00</td> <td>0.46</td> <td>1.19</td>	1148 + 387		0.5536	0.553363	0.64 ± 0.013	1.749 ± 0.067	က	20.4	-0.87	-20.81	0.74	-0.59	-22.00	0.46	1.19
107 1121140.59+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 -20.04 228 1122527.39+223513.0 0.5502 0.550198 0.034 ± 0.006 1.562 ± 0.242 3 37.7 -0.91 -19.10 0.17 -0.56 2.004 251 1123200.01-022405.27 0.55018 0.034 ± 0.006 1.585 ± 0.024 1.185 ± 0.096 1.5 -0.12 -0.97 0.097 0.097 -0.097 0.166 -2.106 -2.097 0.097 0.097 0.097 0.097 0.097 0.097 0.097 0.097 0.097 0.097 0.097 0.097 0.097 0.097 0.097 0.097 0.097 0.097 0.098 0.097 0.098 0.097 0.098 0.097 0.098 0.097 0.099 0.099 0.099 0.099 0.099 0.099 0.099 0.099 0.099 0.099 0.099 0.099 0.099 0.099 0.099 0.09	SDSS	$J120932.26{+}004555.92$	0.2533	0.2533	< 0.09	:	9	54.2	0.78	-19.46	0.30	0.42	-21.12	0.24	1.65
228 312257.39+223513.0 0.55019 0.0994±0.009 1.562±0.242 3 37.7 -0.91 -19.19 0.17 -0.51 -21.37 221 312257.39+223513.0 0.550 0.550198 0.0994±0.009 1.562±0.024 13 12.4 -0.12 -20.32 0.38 -0.66 -21.66 572 3123200.01-022465.2 0.546 0.556948 0.465±0.01 1.280±0.04 12 21.1 -0.87 -20.33 0.48 -0.66 -21.66 473 312440.02+572107.3 0.20567 0.550482 0.465±0.01 1.290±0.04 12 21.4 -0.15 -0.20 0.57 -0.99 -0.57 -0.20 0.27 -0.99 -0.57 -0.20 0.57 -0.99 -0.57 -0.20 0.57 -0.99 -0.57 -0.90 -0.57 -0.20 -0.59 -0.51 -0.91 -0.91 -0.91 -0.91 -0.91 -0.91 -0.91 -0.91 -0.92 -0.91 -0.91 -0.92 -0.92 -0.92	1209 + 107	-	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
021 1123200.01-022405.27 0.7546 0.756903 0.303 ± 0.003 1.280 ± 0.02 13 12.4 -0.13 -20.32 0.38 -0.06 -21.66 572 1124154.022475.27 0.205267 0.205563 0.977 ± 0.054 1.185 ± 0.096 15 11.1 -0.83 -20.33 0.48 -0.57 -21.66 345 1124154.022472107.3 0.20567 0.205563 0.977 ± 0.054 1.185 ± 0.096 15 -0.87 -0.89 0.57 -0.99 -0.57 -0.89 0.51 -0.99 0.51 -0.89 0.51 -0.89 0.51 -0.89 0.51 -0.99 0.51 -0.99 0.45 0.11 1.280 ± 0.09 0.74 0.128 ± 0.09 0.74 0.01 2.08 0.05 0.09 0.51 0.99 0.51 0.90 0.51 0.90 0.90 0.90 0.90 0.90 0.90 0.90 0.90 0.90 0.90 0.90 0.90 0.90 0.90 0.90 0.90 0.90 0.90	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	$^{-4}$
572 1124154.02+572107.3 0.205267 0.205563 0.977±0.054 1.185±0.096 15 21.1 -0.83 -0.92 0.27 -0.18 176 1124410.82+172104.52 0.550 0.550482 0.465±0.011 1.209±0.043 3 21.1 -0.87 -0.03 0.45 -0.16 -0.94 -0.57 -21.68 -0.57 -21.68 -0.57 -21.68 -0.57 -21.68 -0.57 -21.68 -0.57 -21.68 -0.57 -21.68 -0.57 -21.68 -0.57 -21.68 -0.57 -21.68 -0.57 -21.68 -0.57 -0.05 -0.57 -21.68 -0.57 -0.09 -0.57 -0.09 -0.57 -0.09 -0.57 -0.09 -0.57 -0.16 -0.57 -0.16 -0.51 -0.16 -0.51	1229 - 021	$J123200.01{-}022405.27$	0.7546	0.756903	0.303 ± 0.003	1.280 ± 0.02	13	12.4	-0.12	-20.32	0.38	-0.66	-21.66	0.31	1.33
176 1124410.82+172104.52 0.550482 0.465 ± 0.011 1.290 ± 0.043 3 21.1 -0.87 -20.33 0.48 -0.57 -21.68 345 1124410.82+172104.52 0.941 0.941 0.46 ± 0.04 1.210 ± 0.17 7 27.4 -0.15 -20.89 0.51 -0.94 -21.68 345 1124913.85 - 055919.07 0.639 0.450 ± 0.00 1.178 ± 0.01 3 20.0 -0.75 -20.89 0.51 -0.94 -21.66 340 1125048.32+395139.48 0.7725 0.639 ± 0.00 1.280 ± 0.00 1.280 ± 0.00 1.280 ± 0.00 1.280 ± 0.00 1.280 ± 0.00 1.280 ± 0.00 1.280 ± 0.00 1.280 ± 0.00 1.216 1.290 ± 0.00 1.290 ± 0.00 1.28	1241 + 572	•	0.205267	0.205563	0.977 ± 0.054	1.185 ± 0.096	15	21.1	-0.83	-19.29	0.27	:	:	:	1.19
345 1124727.83+341509.56 0.941 0.46 ± 0.04 1.210 ± 0.17 7 27.4 -0.15 -20.89 0.51 -0.94 -21.63 0.57 1124913.85-055919.07 0.63990 0.450 ± 0.00 1.778±0.016 3 29.0 -0.75 -20.02 0.33 -0.01 -21.66 401 1125048.32+395139.48 0.7725 0.63909 0.450 ± 0.00 1.280 ± 0.02 13 35.4 -0.15 -19.90 0.25 -0.09 -21.18 0.47 1125048.32+395139.48 0.7725 0.644 0.12 ± 0.00 1.500 ± 0.04 13 12.5 0.25 -0.99 0.210 -21.18 -0.15 -0.19 -0.19 -21.18 1125739.22+144806.26 0.444 0.12 ± 0.02 0.25 0.25 0.25 0.25 0.25 0.06 0.33 0.29 0.39 0.21 1.44 0.01 2.14 130554.17+014929.82 0.250 0.258 0.06 0.258 0.09 0.259 0.29 0.216 0.25	1241 + 176		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
057 1124913.85—055919.07 0.633909 0.450±0.004 1.778±0.016 3 29.0 -0.75 -20.02 0.33 -0.61 -21.06 401 1125048.32+395139.48 0.7725 0.772957 0.695±0.006 1.280±0.02 13 35.4 -0.15 -19.90 0.25 -0.69 -21.18 404 1125048.32+395139.48 0.7725 0.93431 0.338±0.006 1.500±0.04 13 12.5 -0.15 -19.90 0.25 -0.69 -21.16 -21.16 -21.16 -21.16 -21.18 -0.15 -19.93 0.21 -0.11 -0.15 -19.93 0.21 -0.11 -0.15 -0.15 -0.11 -0.11 -0.15 -0.11 <td< td=""><td>1245 + 345</td><td>J124727.83 + 341509.56</td><td>0.941</td><td>0.941</td><td>0.46 ± 0.04</td><td>1.210 ± 0.17</td><td>7</td><td>27.4</td><td>-0.15</td><td>-20.89</td><td>0.51</td><td>-0.94</td><td>-21.63</td><td>0.28</td><td>0.74</td></td<>	1245 + 345	J124727.83 + 341509.56	0.941	0.941	0.46 ± 0.04	1.210 ± 0.17	7	27.4	-0.15	-20.89	0.51	-0.94	-21.63	0.28	0.74
401 J125048.32+395139.48 0.7725 0.6095 ±0.000 1.280 ±0.02 13 35.4 = 0.15 = 0.99 0.25 = 0.69 = 0.118	1246 - 057	J124913.85 - 055919.07	0.637	0.639909	0.450 ± 0.004	1.178 ± 0.016	က	29.0	-0.75	-20.02	0.33	-0.61	-21.66	0.32	1.63
047 J125659.92+042734.39 0.934 0.934231 0.338 ±0.006 1.500 ±0.04 13 12.5 0.32 -19.93 0.21 -0.72 -21.16 125739.22+144806.26 0.4648 0.4644 0.12 ±0.02 6 33.8 0.38 -21.42 1.44 -0.01 -21.91 130554.17+014929.82 0.1747 0.174 0.45 ±0.03 6 71.9 0.39 -20.28 0.69 1.31 0.21 0.39 0.39 0.21 0.21 0.21 0.39 0.21 0.21 <td>1248 + 401</td> <td>J125048.32 + 395139.48</td> <td>0.7725</td> <td>0.772957</td> <td>0.695 ± 0.005</td> <td>1.280 ± 0.02</td> <td>13</td> <td>35.4</td> <td>-0.15</td> <td>-19.90</td> <td>0.25</td> <td>-0.69</td> <td>-21.18</td> <td>0.19</td> <td>1.28</td>	1248 + 401	J125048.32 + 395139.48	0.7725	0.772957	0.695 ± 0.005	1.280 ± 0.02	13	35.4	-0.15	-19.90	0.25	-0.69	-21.18	0.19	1.28
1125739.22+144806.26 0.4644 0.12 ±0.02 6 3.8 0.38 -21.42 1.44 -0.01 -21.91 130554.17+014929.82 0.1747 0.174 0.45 ±0.03 6 129.8 0.39 -20.98 1.33 0.01 -23.14 1330554.17+014929.82 0.2258 0.2268 <.0.06	1254 + 047	J125659.92 + 042734.39	0.9341	0.934231	0.338 ± 0.005	1.500 ± 0.04	13	12.5	0.32	-19.93	0.21	-0.72	-21.16	0.18	1.22
130554.17+014929.82 0.174 0.174 0.45 ± 0.03 6 129.8 0.39 -20.98 1.33 0.30 -23.14 130554.17+014929.82 0.2258 0.206 0.0 0.30 -20.25 0.64 0.18 -21.74 274 131365.12+012450.67 0.5405 0.5405 0.006 1.011±0.057 3 103.1 -0.75 -21.05 0.64 1.38 -23.85 277 1313956.23+272808.22 0.6719 0.6719 0.0051 2 57.7 -0.70 -21.47 1.19 -0.62 -22.47 444 132222.68+464535.22 0.214431 0.214501 0.256±0.021 2.668±0.429 15 38.6 -1.02 0.20.50 294 132322.68+464535.22 0.214431 0.2156 0.2156 0.71±0.05 17.2 -1.06 -1.016 0.20 0.21 294 132322.68+464535.22 0.257 0.2553 0.65±0.04	SDSS	J125739.22 + 144806.26	0.4648	0.4644	0.12 ± 0.02	:	9	33.8	0.38	-21.42	1.44	-0.01	-21.91	0.44	0.48
277 J130554.17+014929.82 0.2258 < 0.066 6 71.9 0.30 -20.25 0.64 0.18 -21.75 277 J131815.12+012450.67 0.5405 0.5405 < 0.30	SDSS	J130554.17 + 014929.82	0.1747	0.174	0.45 ± 0.03	:	9	129.8	0.39	-20.98	1.33	0.30	-23.14	1.64	2.15
277 J131815.12+012450.67 0.5405 0.030 1 105.9 1.84 -21.65 1.64 1.36 -23.85 277 J131956.23+272808.22 0.6610 0.660049 0.320 ±0.006 1.611±0.057 3 103.1 -0.72 -21.02 0.80 -0.62 -22.47 277 J131956.23+272808.22 0.6719 0.6719 <0.0051	SDSS	J130554.17 + 014929.82	0.2258	0.2258	> 0.06	:	9	71.9	0.30	-20.25	0.64	0.18	-21.74	0.43	1.48
-277 J131956.23+272808.22 0.6610 0.660049 0.300 ±0.006 1.611 ±0.057 3 103.1 -0.72 -21.02 0.80 -0.62 -22.47 -277 J131956.23+272808.22 0.6719 0.6719 <0.0051	SDSS	J131815.12 + 012450.67	0.5405	0.5405	< 0.30	:	11	105.9	1.84	-21.65	1.64	1.36	-23.85	2.55	2.19
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	1317 + 277	٠	0.6610	0.660049	0.320 ± 0.006	1.611 ± 0.057	3	103.1	-0.72	-21.02	0.80	-0.62	-22.47	89.0	1.45
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	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
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	1322 + 464	J132222.68 + 464535.22	0.214431	0.214561	0.256 ± 0.021	2.668 ± 0.429	15	38.6	-1.02	-20.50	0.82	:	:	:	1.73
$J132757.41 + 101141.78 0.2557 0.2553 0.65 \pm 0.04 \cdots 6 25.5 0.29 -19.22 0.24 0.07 -20.42 0.00 0$	1321 + 294	-	0.231	0.231	0.71 ± 0.05	:	7	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	:	9	25.5	0.29	-19.22	0.24	0.07	-20.42	0.12	1.19

Table 3—Continued

				Mg II Absorption	rption				B-band			K-band		
QSO	(2) J-Name	$ (3) $ $z_{\rm gal}$	$z_{\rm abs}$	(5) $W_r(2796)$ (Å)	(6) DR	$ (7) $ Ref $^{\rm a}$	(8) D (kpc)	$(9) \\ K_{By}^{\text{b}}$	$(10) \\ M_B{}^{\rm c}$	$(11) \\ L_B/L_B^*$	$(12) K_{Ky}^{\mathrm{d}}$	$(13) \\ M_K{}^{\rm c}$	$(14) \\ L_K/L_K^*$	(15) B - K
SDSS	J132831.08+075942.01	0.2358	0.2362	0.21 ± 0.05	:	9	8.66	0.09	-20.30	99.0	-0.09	-21.14	0.25	0.84
SDSS	J132831.08 + 075942.01	0.3323	0.3326	0.59 ± 0.04	:	9	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	13	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
1340 - 006	J134251.60 - 005345.3	0.227041	0.227191	1.444 ± 0.105	1.287 ± 0.177	15	35.3	-0.83	-21.23	1.59	:	:	:	1.34
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
SDSS	$J140619.61{+}130106.82$	0.1748	0.1748	< 0.17	:	9	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	:	9	17.7	0.22	-19.78	0.42	90.0	-20.78	0.18	0.99
SDSS	J140843.77 + 004730.46	0.1146	0.1146	< 0.27	:	12	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	:	11	83.7	1.61	-21.20	1.16	1.07	-24.27	3.87	$^{-5}_{-20}$
SDSS	J142310.50 + 093357.14	0.6139	0.6139	< 0.15	:	11	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	:	9	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	0.100 ± 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	:	9	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	:	9	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	:	9	94.6	0.25	-19.49	0.32	90.0	-20.40	0.12	0.91
SDSS	J151228.82 - 011223.12	0.1284	0.1284	0.94 ± 0.16	:	9	25.2	0.02	-19.04	0.23	0.02	-20.23	0.11	1.18
1511 + 103	J151329.29 + 101105.54	0.437	0.4369	0.454 ± 0.046	1.29 ± 0.09	33	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	:	12	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	:	9	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	:	9	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	:	9	29.0	90.0	-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	14	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

Table 3—Continued

				Mg II Absorption	ption		'		B-band			K-band		
(1) QSO	(2) J-Name	$ (3) $ $ z_{\rm gal} $	(4) z_{abs}	(5) $W_r(2796)$ (Å)	(6) DR	(7) Ref ^a	(8) D (kpc)	$(9) K_{By}^{b}$	$(10) \\ M_B{}^c$	$(11) \\ L_B/L_B^*$	$(12) \\ K_{Ky}^{\rm d}$	$(13) \\ M_K{}^c$	$(14) \\ L_K/L_K^*$	(15) B - K
SDSS	J155336.46+053423.97	0.3227	0.324	0.71 ± 0.01	:	9	70.3	0.61	-21.34	1.57	0.25	-22.64	0.94	1.30
1555 + 362	J155504.39 + 362847.9	0.189200	0.189182	0.124 ± 0.020	1.312 ± 0.338	15	33.4	-0.83	-20.49	0.84	:	:	:	1.20
SDSS	J155557.07 -003608.41	0.3006	0.3006	> 0.06	:	9	47.7	0.17	-19.32	0.25	-0.11	-19.75	90.0	0.42
SDSS	J160726.77 + 471251.37	0.4980	0.498	1.20 ± 0.2	:	11	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	:	9	48.8	0.86	-21.19	1.25	0.32	-22.74	96.0	1.55
SDSS	J160905.42 + 071337.29	0.2075	0.2075	< 0.12	:	9	52.2	0.25	-20.20	0.63	0.17	-22.04	0.58	1.83
SDSS	J161714.12 + 243255.63	0.5703	0.5703	1.50 ± 0.3	:	11	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	10	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	80.0	-0.48	-21.02	0.22	3.03
1622 + 238	J162439.08 + 234512.20	0.2800	0.280	< 0.0129	:	14	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 ± 0.010	1.230 ± 0.044	3	54.4	-1.36	-19.83	0.39	-0.53	-22.68	0.97	- 6 - 82 - 82
1622 + 238	J162439.08 + 234512.20	0.4720	0.471930	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	က	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	33	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	ಣ	71.3	-0.47	-20.74	0.53	-0.67	-22.40	09.0	1.66
1622 + 238	J162439.08 + 234512.20	0.8280	0.828	< 0.0055	:	14	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	33	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	:	7	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	14	49.8	-0.19	-21.77	1.38	:	:	:	:
SDSS	$J204303.55{-}010126.05$	0.1329	0.1329	< 0.29	:	9	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	:	9	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	:	9	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	:	11	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	:	9	27.5	0.46	-18.94	0.18	0.21	-20.63	0.15	1.69
2145 + 067	J214805.45 + 065738.60	0.790	0.790866	0.547 ± 0.005	1.520 ± 0.02	13	40.8	-0.19	-20.87	09.0	-0.67	-22.27	0.53	1.39

Table 3—Continued

			Mg II Absorption	rption		,		B-band			K-band		
(2) J-Name	(3) $z_{\rm gal}$	(4) $z_{\rm abs}$	(5) $W_r(2796)$ (Å)	$(6) \\ DR$	(7) Ref $^{\rm a}$	(8) <i>D</i> (kpc)	$(9) K_{By}$	$(10) \\ M_B{}^{\rm c}$	$(11) \\ L_B/L_B^*$	$(12) K_{Ky}^{\rm d}$	$(13) \\ M_K{}^{\rm c}$	$(14) \\ L_K/L_K^*$	$(15) \\ B - K$
J220852.07 - 194359.0	0.752	0.751923	0.890 ± 0.002	1.10 ± 0.09	13	11.7	-0.13	-20.41	0.41	÷	÷	:	:
$J220852.07\!-\!194359.0$	0.948	0.948361	0.249 ± 0.002	1.331 ± 0.015	က	86.9	-0.56	-21.56	0.95	-0.07	-22.31	0.52	0.74
$J220852.07\!-\!194359.0$	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
$3221126.76 {+} 124458.16$	0.4872	0.484	0.40 ± 0.02	:	9	31.3	1.65	-21.51	1.53	1.13	-24.05	3.15	2.53
$J221526.74{+}011356.47$	0.1952	0.1952	< 0.23	:	9	30.9	0.04	-17.88	0.02	-0.07	-18.72	0.02	0.84
$J221526.74{+}011356.47$	0.3203	0.3201	0.40 ± 0.05	:	9	50.5	0.45	-20.22	0.56	0.00	-21.38	0.29	1.15
$3223246.80 {\pm} 134702.04$	0.3221	0.3225	0.92 ± 0.05	:	9	39.2	0.61	-21.34	1.56	0.25	-22.67	96.0	1.33
$J223316.87\!+\!133309.90$	0.2138	0.2139	1.36 ± 0.06	:	9	32.3	0.20	-20.50	0.82	90.0	-21.61	0.39	1.10
$3223359.93\!-\!003315.79$	0.1162	0.1162	1.11 ± 0.09	:	9	12.1	0.01	-17.98	0.09	0.12	-19.48	90.0	1.50
J223408.99+000001.69	0.8549	0.855069	0.784 ± 0.004	1.310 ± 0.02	13	23.6	0.13	-20.01	0.25	:	:	:	:
$3224704.78\!-\!081617.54$	0.4270	0.427	> 0.06	:	9	111.7	0.94	-21.56	1.71	0.36	-22.88	1.11	$^{-32}$
$3225036.72{+}000759.49$	0.14826	0.14837	1.08 ± 0.07	0.970 ± 0.09	10	52.4	-0.92	-20.82	1.18	-0.29	-23.78	3.04	2.95
$3230225.49 {-} 082154.12$	0.3618	0.362	2.02 ± 0.06	:	9	34.4	1.28	-20.81	0.92	0.64	-22.48	0.79	1.66
3230845.60 - 091449.45	0.2147	0.2139	0.43 ± 0.07	:	9	12.7	09.0	-19.32	0.27	0.36	-21.53	0.36	2.21
$3232735.98{+}153309.57$	0.4756	0.4756	< 0.30	:	11	161.7	1.07	-20.52	0.62	0.45	-22.18	0.56	1.66
$3232925.18{-}100722.43$	0.4606	0.4606	< 0.30	:	11	98.1	1.56	-21.44	1.47	1.00	-23.58	2.06	2.14
$3234433.00 {+} 091039.4$	0.7233	0.7233	1.48 ± 0.05	1.44 ± 0.09	7	34.5	-0.24	-22.23	2.26	-0.67	-23.51	1.73	1.28
$3234628.21\!+\!124859.9$	0.7148	0.7148	< 0.0051	:	14	84.4	-0.26	-21.24	0.92	-0.67	-22.50	0.68	1.25
$3234628.21\!+\!124859.9$	0.7313	0.731219	1.655 ± 0.006	1.190 ± 0.01	13	32.5	-0.23	-19.23	0.14	-0.68	-20.46	0.10	1.22
$J234949.61{+}003535.39$	0.2778	0.2776	0.35 ± 0.02	:	9	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), (7) Steidel, Dickinson, & Persson (1994), (8) Steidel (personal communication), (9) Kacprzak, Murphy, & Churchill (2010), (10) Kacprzak et al. (2011a), (11) Gauthier & Chen (2011), (12) Barton & Cooke (2009), (13) Evans (2011), and (14) This work.

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

^cAbsolute magnitudes are AB magnitudes.

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