TABLE 1
LINE AND CONTINUUM DEFINITIONS

| Line Identification | Line Wavelength (Å) | Integration Limits Line (Å) | Continuum (Å) | Continuum (Å) | Continuum (Å) | Continuum (Å) | Name[a] | Notes |
|---|---|---|---|---|---|---|---|---|
| Ly$\beta$ + O VI | 1025.7 & 1033.8 | 1018 – 1054 | 975 – 1018 | 1056 – 1148 | ... | ... | O VI | 1 |
| Ly$\alpha$ + N V | 1215.7 & 1240.1 | 1186 – 1280 | 1180 – 1190 | 1280 – 1290 | 1320 – 1330 | 1450 – 1480 | Ly$\alpha$ | |
| Si IV + O IV] | 1396.7 & 1402.3 | 1363 – 1443 | 1320 – 1330 | 1450 – 1480 | 1680 – 1700 | ... | Si IV | |
| C IV | 1549.1 | 1475 – 1600 | 1450 – 1480 | 1680 – 1700 | ... | ... | ... | |
| He II + O III] | 1640.5 & 1664.2 | 1602 – 1680 | 1450 – 1480 | 1680 – 1700 | ... | ... | He II | 2,3 |
| Al III + C III] | 1857.4 & 1908.7 | 1830 – 1950 | 1780 – 1830 | 1970 – 2030 | ... | ... | C III] | 3 |

[a] Shorter name used throughout the text.

NOTES.— (1) Both line and continuum region susceptible to Ly$\alpha$ forest contamination; (2) Probable contamination from C IV; (3) Possible contamination from Fe II.

TABLE 2
UV EMISSION LINE EQUIVALENT WIDTHS[a]

| Name | Ly$\beta$ + O VI | err | Ly$\alpha$ + NV | err | Si IV + OIV] | err | C IV | err | He II + O III] | err | Al III + C III] | err |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0026+129 | ... | ... | 59.0 | 1.8 | < 6.1 | ... | 32.7 | 1.0 | 18.3 | 0.6 | < 29.6 | ... |
| 0044+030 | < 11.3 | ... | 63.4 | 6.4 | 50.3 | 5.5 | 50.8 | 1.8 | 9.8 | 0.6 | 27.9 | 1.5 |
| 0052+251 | ... | ... | 91.4 | 2.6 | 8.0 | 1.6 | 119.1 | 2.5 | 15.7 | 0.9 | < 82.5 | ... |
| 0117+213 [l] | 10.2 | 1.4 | 27.6 | 1.5 | ... | ... | ... | ... | ... | ... | ... | ... |
| 0119−286 | ... | ... | 89.8 | 4.3 | 33.5 | 2.8 | 76.3 | 2.7 | 12.2 | 0.9 | < 36.0 | ... |
| 0134+329 | < 12.6 | ... | < 13.1 | ... | 13.9 | 2.0 | < 133.3 | ... | < 35.4 | ... | 19.3 | 2.6 |
| 0205+024 | ... | ... | 52.8 | 4.4 | < 5.1 | ... | 38.5 | 1.2 | 9.5 | 0.6 | < 33.2 | ... |
| 0312−770 | 24.7 | 1.1 | 72.6 | 2.5 | 5.3 | 0.9 | 69.7 | 1.1 | < 563.5 | ... | < 139.5 | ... |
| 0405−123 | 4.1 | 0.3 | 50.1 | 0.8 | < 6.9 | ... | 25.7 | 1.1 | 3.0 | 0.5 | 5.9 | 0.7 |
| 0414−060 | 9.0 | 0.5 | 109.1 | 6.9 | 12.9 | 1.8 | 57.9 | 1.9 | 9.4 | 1.4 | ... | ... |
| 0558−504 | ... | ... | 27.8 | 0.8 | < 2.7 | ... | 23.1 | 0.5 | 10.2 | 0.3 | < 14.9 | ... |
| 0624+691 | 7.2 | 0.6 | 60.9 | 1.4 | < 1.5 | ... | 51.3 | 6.5 | < 16.1 | ... | 12.2 | 0.9 |
| 0736+017 | ... | ... | 132.5 | 10.1 | < 14.5 | ... | 94.5 | 3.2 | < 681.9 | ... | < 125.8 | ... |
| 0743−673 [l] | 6.3 | 1.2 | 57.2 | 3.1 | ... | ... | ... | ... | ... | ... | ... | ... |
| 0804+761 | ... | ... | 101.8 | 2.8 | 28.0 | 1.1 | 81.7 | 1.6 | 19.3 | 0.5 | 63.7 | 4.2 |
| 0837−120 | ... | ... | 87.6 | 5.5 | < 13.9 | ... | 91.4 | 2.5 | < 32.1 | ... | < 39.8 | ... |
| 0859−140 [l] | < 193.0 | ... | < 78.5 | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 0906+484 | ... | ... | 59.9 | 3.0 | < 11.1 | ... | 52.4 | 2.2 | 14.8 | 1.0 | < 38.6 | ... |
| 0953+414 [s] | 24.9 | 1.3 | 63.8 | 2.8 | 8.9 | 0.9 | 53.6 | 1.1 | ... | ... | ... | ... |
| 1001+291 | < 4.5 | ... | 34.1 | 2.3 | 5.6 | 0.7 | < 14.4 | ... | < 14.1 | ... | 20.1 | 2.1 |
| 1004+130 | < 5.6 | ... | 9.1 | 1.5 | 12.0 | 1.0 | < 100.2 | ... | <1939.9 | ... | < 69.1 | ... |
| 1007+417 | < 7.0 | ... | 79.1 | 4.9 | < 21.8 | ... | 72.5 | 2.8 | 8.3 | 1.0 | < 6.2 | ... |
| 1008+133 [l] | < 7.6 | ... | 17.9 | 1.7 | 180.7 | 31.3 | ... | ... | ... | ... | ... | ... |
| 1011−282 [s] | 17.1 | 3.2 | 116.5 | 12.7 | < 11.7 | ... | ... | ... | ... | ... | ... | ... |
| 1012+008 [s] | ... | ... | 72.9 | 4.2 | < 9.8 | ... | 13.3 | 1.4 | < 3.7 | ... | ... | ... |
| 1048−090 | < 24.4 | ... | 76.1 | 13.0 | 62.9 | 7.1 | < 85.0 | ... | < 45.5 | ... | 18.3 | 3.4 |
| 1049−005 | < 26.6 | ... | 83.9 | 10.0 | < 8.1 | ... | < 124.9 | ... | < 78.4 | ... | 18.6 | 3.5 |
| 1100+772 | 7.6 | 0.6 | 60.4 | 1.5 | 3.5 | 0.5 | 89.9 | 5.6 | < 18.1 | ... | 12.4 | 2.0 |
| 1103−006 | < 13.0 | ... | 37.3 | 2.4 | < 12.9 | ... | 27.7 | 3.9 | < 10.2 | ... | 20.7 | 1.6 |
| 1104+167 [l] | ... | ... | 83.4 | 12.2 | < 20.5 | ... | 85.1 | 3.9 | 13.8 | 1.1 | < 11.5 | ... |
| 1116+215 | ... | ... | 62.9 | 1.3 | < 2.6 | ... | 36.5 | 0.5 | < 1.2 | ... | 31.2 | 2.8 |
| 1127−145 [s] | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 1136−135 | < 4.7 | ... | 63.5 | 1.6 | < 17.6 | ... | 50.7 | 3.1 | 6.7 | 1.0 | 20.0 | 1.0 |
| 1137+660 | 13.9 | 1.0 | 74.4 | 7.9 | 41.4 | 7.2 | 45.9 | 3.9 | < 9.7 | ... | < 28.4 | ... |
| 1146−037 | < 463.7 | ... | < 44.4 | ... | < 43.2 | ... | 268.1 | 33.5 | < 24.5 | ... | 51.8 | 5.0 |
| 1148+549 | < 6.3 | ... | 54.6 | 2.3 | 11.3 | 1.2 | 18.0 | 1.6 | < 22.9 | ... | ... | ... |
| 1151+117 | ... | ... | 112.0 | 7.2 | < 12.7 | ... | 69.6 | 2.6 | 21.8 | 1.5 | < 36.6 | ... |
| 1156+295 | < 1.9 | ... | < 15.6 | ... | 8.8 | 1.6 | < 5.7 | ... | < 3.9 | ... | ... | ... |
| 1156+631 [l] | ... | ... | < 133.4 | ... | < 28.8 | ... | 91.3 | 7.8 | < 11.2 | ... | < 14.3 | ... |
| 1202+281 | ... | ... | 74.2 | 1.3 | < 3.5 | ... | 129.1 | 1.2 | 18.9 | 0.4 | < 35.4 | ... |
| 1206+459 | < 17.6 | ... | 44.5 | 2.1 | < 10.5 | ... | ... | ... | ... | ... | ... | ... |
| 1216+069 | 10.1 | 1.7 | 53.9 | 3.9 | 9.3 | 1.4 | 65.0 | 10.3 | < 24.7 | ... | 14.1 | 2.2 |
| 1241+176 | 8.0 | 0.9 | 45.4 | 0.5 | < 6.3 | ... | ... | ... | ... | ... | ... | ... |
| 1248+401 | < 17.1 | ... | 39.6 | 2.5 | < 8.7 | ... | < 35.3 | ... | ... | ... | ... | ... |
| 1259+593 | < 7.1 | ... | 26.8 | 1.1 | < 27.7 | ... | 58.6 | 8.6 | 12.2 | 2.2 | 16.6 | 1.0 |
| 1302−102 | < 1.5 | ... | 42.9 | 0.8 | 4.4 | 0.3 | 15.9 | 1.8 | < 9.7 | ... | 16.6 | 1.0 |
| 1307+085 | ... | ... | 76.1 | 3.4 | < 8.1 | ... | 93.7 | 1.9 | 18.8 | 0.8 | < 31.1 | ... |
| 1309+355 [s] | ... | ... | 46.7 | 2.3 | < 4.9 | ... | 32.9 | 1.0 | < 2.6 | ... | ... | ... |

TABLE 2 - *Continued*

| Name | Ly$\beta$ + O VI | err | Ly$\alpha$ + NV | err | Si IV + OIV] | err | C IV | err | He II + O III] | err | Al III + C III] | err |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1317+277 | 5.9 | 1.1 | 27.0 | 1.0 | 3.0 | 0.4 | 26.5 | 1.2 | ... | ... | ... | ... |
| 1318−113 [s] | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 1333+176 | < 9.8 | ... | 28.5 | 2.2 | < 83.6 | ... | 42.2 | 6.4 | < 9.9 | ... | 7.8 | 1.5 |
| 1334+246 | ... | ... | 54.4 | 5.3 | < 25.2 | ... | 63.4 | 6.6 | 39.7 | 2.3 | < 133.2 | ... |
| 1338+416 | < 10.7 | ... | 25.8 | 1.0 | 26.4 | 1.8 | ... | ... | ... | ... | ... | ... |
| 1352+183 | ... | ... | 71.0 | 3.2 | < 7.0 | ... | 85.5 | 2.3 | 17.0 | 1.0 | 35.8 | 6.5 |
| 1354+195 [s] | 17.9 | 1.5 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 1355−416 [s] | 14.8 | 2.1 | 63.7 | 3.7 | 11.7 | 1.1 | ... | ... | ... | ... | ... | ... |
| 1356+581 [s] | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 1415+451 [s] | ... | ... | 117.0 | 7.0 | 42.2 | 3.7 | 80.3 | 3.4 | 17.9 | 1.1 | ... | ... |
| 1425+267 | < 18.9 | ... | 51.3 | 3.4 | 40.5 | 2.2 | 131.3 | 19.7 | < 37.7 | ... | 35.1 | 3.8 |
| 1444+407 [s] | < 3.5 | ... | 51.3 | 2.2 | 14.0 | 0.9 | ... | ... | ... | ... | ... | ... |
| 1512+370 | 7.6 | 0.5 | 57.0 | 0.8 | 3.5 | 0.3 | 83.7 | 3.6 | 17.4 | 1.7 | 15.2 | 0.7 |
| 1522+101 | < 6.3 | ... | 41.2 | 1.6 | ... | ... | ... | ... | ... | ... | ... | ... |
| 1525+227 | < 10.5 | ... | 40.1 | 6.4 | < 7.8 | ... | < 32.7 | ... | < 63.4 | ... | < 51.2 | ... |
| 1526+285 | 23.7 | 4.7 | 120.9 | 6.3 | < 182.4 | ... | < 316.5 | ... | < 99.3 | ... | < 37.5 | ... |
| 1538+477 | 8.1 | 0.8 | 75.8 | 10.0 | 19.8 | 2.7 | 41.7 | 1.7 | 11.5 | 1.1 | ... | ... |
| 1545+210 | < 6.6 | ... | 58.1 | 3.6 | < 7.4 | ... | 79.9 | 5.1 | < 35.6 | ... | < 19.6 | ... |
| 1552+085 | ... | ... | 78.7 | 9.0 | < 20.4 | ... | 210.3 | 22.1 | 46.3 | 4.0 | < 142.4 | ... |
| 1612+261 [s] | ... | ... | 135.7 | 11.1 | 22.0 | 4.4 | 148.7 | 6.4 | 25.1 | 1.7 | ... | ... |
| 1617+175 [l] | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 41.2 | 7.6 |
| 1630+377 | 3.5 | 0.6 | 39.5 | 1.0 | ... | ... | ... | ... | ... | ... | ... | ... |
| 1634+706 | 2.3 | 0.2 | 44.0 | 0.4 | ... | ... | ... | ... | ... | ... | ... | ... |
| 1641+399 | 9.0 | 1.0 | 54.5 | 3.5 | < 14.5 | ... | 33.8 | 1.8 | 4.0 | 0.7 | < 5.2 | ... |
| 1656+053 [s] | < 7.4 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 1718+481 | < 6.3 | ... | 33.9 | 0.6 | 5.4 | 0.9 | ... | ... | ... | ... | ... | ... |
| 1721+343 | 30.2 | 1.2 | 126.3 | 4.2 | < 3.6 | ... | 94.0 | 1.4 | < 11.0 | ... | 18.6 | 3.0 |
| 1803+676 | ... | ... | 95.8 | 3.7 | 9.6 | 0.8 | 133.3 | 1.3 | 15.8 | 0.4 | 34.4 | 4.6 |
| 1850−782 [l] | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | < 140.0 | ... |
| 1928+738 | 7.8 | 1.3 | 71.3 | 3.4 | 9.1 | 1.1 | < 76.0 | ... | < 85.9 | ... | 22.7 | 3.7 |
| 2112+059 | 35.7 | 6.5 | 68.9 | 2.8 | < 60.6 | ... | < 136.0 | ... | < 23.8 | ... | 30.8 | 1.7 |
| 2141+175 [s] | 7.1 | 1.1 | 48.1 | 2.5 | 7.3 | 1.1 | 18.2 | 0.9 | ... | ... | ... | ... |
| 2201+315 | 9.7 | 0.8 | 44.1 | 1.5 | 16.1 | 0.6 | 45.9 | 3.8 | 25.7 | 4.1 | 9.0 | 1.7 |
| 2251+113 | < 19.0 | ... | 28.2 | 2.8 | < 5.2 | ... | 79.8 | 9.3 | < 40.1 | ... | 47.8 | 3.8 |
| 2251+158 [s] | 14.5 | 2.6 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 2302+029 | < 9.3 | ... | 12.6 | 1.7 | < 6.0 | ... | < 33.9 | ... | ... | ... | ... | ... |
| 2344+092 | 26.1 | 1.9 | 58.6 | 5.7 | < 17.6 | ... | 32.3 | 2.2 | < 6.4 | ... | < 58.6 | ... |

[a] Equivalent widths expressed in Å, in the rest-frame.
[l] Only LW spectra available.
[s] Only SWP spectra available.

TABLE 3
ADOPTED $B$ MAGNITUDE $k$-CORRECTION[a]

| $z$ | $\Delta B$ | $z$ | $\Delta B$ | $z$ | $\Delta B$ | $z$ | $\Delta B$ | $z$ | $\Delta B$ |
|---|---|---|---|---|---|---|---|---|---|
| 0.0 | 0.000 | 0.7 | −0.511 | 1.4 | −0.733 | 2.1 | −0.832 | 2.8 | −0.724 |
| 0.1 | −0.071 | 0.8 | −0.529 | 1.5 | −0.772 | 2.2 | −0.870 | 2.9 | −0.669 |
| 0.2 | −0.171 | 0.9 | −0.545 | 1.6 | −0.811 | 2.3 | −0.894 | 3.0 | −0.607 |
| 0.3 | −0.259 | 1.0 | −0.574 | 1.7 | −0.822 | 2.4 | −0.879 | 3.1 | −0.541 |
| 0.4 | −0.349 | 1.1 | −0.631 | 1.8 | −0.828 | 2.5 | −0.849 | 3.2 | −0.466 |
| 0.5 | −0.421 | 1.2 | −0.671 | 1.9 | −0.827 | 2.6 | −0.813 | 3.3 | −0.378 |
| 0.6 | −0.475 | 1.3 | −0.703 | 2.0 | −0.823 | 2.7 | −0.772 | 3.4 | −0.278 |

[a] From LBQS composite spectrum, for a Mathews & Sandage $B$ filter.

TABLE 4
CONTINUUM ENERGY DISTRIBUTIONS

| Name | $z$ | $B$ | $F_x$ [a] | $N_H$ [b] | $\alpha_{uv}$ [c] | $b_{uv}$ [d] | log $l_{opt}$ [e] | log $l_x$ [f] | log $l_{uv}$ [g] | $\alpha_{ox}$ |
|---|---|---|---|---|---|---|---|---|---|---|
| 0026+129 | 0.142 | 14.95 | 905 | 4.6 | −0.7 | −11.5 | 30.54 | 26.89 | 30.12 | 1.40 |
| 0044+030 | 0.624 | 15.97 | 97 | 2.9 | −0.5 | −12.5 | 31.28 | 27.20 | 31.09 | 1.57 |
| 0052+251 | 0.155 | 15.42 | 910 | 4.6 | −1.4 | −9.2 | 30.42 | 26.97 | 30.27 | 1.33 |
| 0117+213 | 1.493 | 16.05 | < 170 | 4.8 | −0.2 | −13.9 | 32.03 | < 28.19 | 31.25 | > 1.48 |
| 0119−286 | 0.117 | 14.89 | ... | 1.6 | −1.3 | −9.5 | 30.34 | ... | 30.15 | ... |
| 0134+329 | 0.367 | 16.62 | 410 | 4.6 | −1.1 | −11.0 | 30.65 | 27.37 | 30.30 | 1.26 |
| 0205+024 | 0.156 | 15.67 | 660 | 3.3 | −0.8 | −11.4 | 30.29 | 26.84 | 30.05 | 1.32 |
| 0312−770 | 0.223 | 16.26 | 510 | 7.5 | −1.2 | −10.1 | 30.48 | 27.03 | 30.42 | 1.32 |
| 0405−123 | 0.574 | 14.75 | 685 | 3.7 | −1.1 | −9.9 | 31.73 | 27.98 | 31.64 | 1.44 |
| 0414−060 | 0.781 | 16.24 | 230 | 5.1 | −0.5 | −12.5 | 31.44 | 27.77 | 31.12 | 1.41 |
| 0558−504 | 0.137 | 15.18 | ... | 5.4 | −1.3 | −9.5 | 30.44 | ... | 30.25 | ... |
| 0624+691 | 0.370 | 14.50[v] | ... | 7.0 | −0.7 | −11.3 | 31.58 | ... | 31.17 | ... |
| 0736+017 | 0.191 | 16.90 | 235 | 9.4 | −0.9 | −11.4 | 30.16 | 26.56 | 29.84 | 1.38 |
| 0743−673 | 1.510 | 16.61 | ... | 11.8 | 0.0 | −14.4 | 32.04 | ... | 31.31 | ... |
| 0804+761 | 0.100 | 15.15 | 1400 | 3.1 | −0.1 | −13.0 | 30.11 | 26.78 | 30.07 | 1.28 |
| 0837−120 | 0.198 | 15.78 | 1200 | 5.9 | −1.0 | −10.9 | 30.52 | 27.30 | 30.12 | 1.24 |
| 0859−140 | 1.327 | 16.79 | 129 | 5.7 | −0.4 | −13.2 | 31.68 | 27.97 | 31.13 | 1.42 |
| 0906+484 | 0.118 | 16.46 | 38 | 1.8 | −1.4 | −9.6 | 29.72 | 25.36 | 29.60 | 1.68 |
| 0953+414 | 0.239 | 14.80[v] | ... | 1.3 | −1.5 | −8.6 | 30.97 | ... | 30.81 | ... |
| 1001+291 | 0.329 | 15.62 | ... | 1.9 | −1.6 | −8.8 | 30.90 | ... | 30.81 | ... |
| 1004+130 | 0.241 | 15.93 | < 26 | 3.7 | −0.5 | −12.5 | 30.55 | < 25.81 | 30.23 | > 1.82 |
| 1007+417 | 0.611 | 16.80[v] | ... | 1.2 | −1.1 | −10.5 | 30.93 | ... | 31.15 | ... |
| 1008+133 | 1.287 | 16.24 | < 37 | 3.8 | −0.4 | −12.9 | 31.81 | < 27.40 | 31.41 | > 1.69 |
| 1011−282 | 0.253 | 16.80 | 230 | 5.7 | −1.3 | −10.2 | 30.31 | 26.80 | 30.14 | 1.35 |
| 1012+008 | 0.185 | 16.30[v] | ... | 3.5 | −1.2 | −10.5 | 30.18 | ... | 29.82 | ... |
| 1048−090 | 0.344 | 16.00 | 440 | 3.2 | −1.3 | −10.1 | 30.80 | 27.35 | 30.40 | 1.33 |
| 1049−005 | 0.357 | 16.25[v] | ... | 3.9 | −0.5 | −12.6 | 30.75 | ... | 30.33 | ... |
| 1100+772 | 0.311 | 15.86 | 580 | 3.0 | −1.1 | −10.2 | 30.77 | 27.38 | 30.70 | 1.30 |
| 1103−006 | 0.426 | 16.39 | ... | 4.1 | −1.0 | −11.0 | 30.84 | ... | 30.61 | ... |
| 1104+167 | 0.634 | 15.91 | ... | 1.5 | −1.0 | −11.1 | 31.32 | ... | 30.96 | ... |
| 1116+215 | 0.177 | 15.17 | 710 | 1.3 | −1.0 | −10.1 | 30.57 | 26.98 | 30.72 | 1.38 |
| 1127−145 | 1.187 | 17.17 | 150 | 4.1 | −1.4 | −10.3 | 31.38 | 27.94 | 31.24 | 1.32 |
| 1136−135 | 0.557 | 16.15 | ... | 3.5 | −1.6 | −9.0 | 31.14 | ... | 31.19 | ... |
| 1137+660 | 0.646 | 16.50 | 335 | 1.0 | −1.0 | −10.8 | 31.10 | 27.77 | 31.19 | 1.28 |
| 1146−037 | 0.341 | 16.96 | 530 | 2.5 | −0.8 | −12.4 | 30.40 | 27.42 | 29.64 | 1.14 |
| 1148+549 | 0.969 | 16.12[v] | ... | 1.2 | −1.0 | −10.9 | 31.60 | ... | 31.62 | ... |
| 1151+117 | 0.176 | 15.81[v] | ... | 2.5 | −0.8 | −11.5 | 30.31 | ... | 30.07 | ... |
| 1156+295 | 0.729 | 14.80 | ... | 1.6 | −0.4 | −12.9 | 31.88 | ... | 31.05 | ... |
| 1156+631 | 0.594 | 17.10[v] | ... | 1.9 | −1.0 | −11.0 | 30.79 | ... | 30.81 | ... |
| 1202+281 | 0.165 | 15.02 | 870 | 1.7 | −0.9 | −11.2 | 30.58 | 27.01 | 29.83 | 1.37 |
| 1206+459 | 1.158 | 16.09[v] | ... | 1.3 | 0.1 | −14.9 | 31.75 | ... | 30.78 | ... |
| 1216+069 | 0.334 | 15.68 | 300 | 1.6 | −1.1 | −10.6 | 30.89 | 27.15 | 30.62 | 1.43 |
| 1241+176 | 1.273 | 15.38 | 55 | 1.8 | 0.2 | −15.3 | 32.11 | 27.56 | 30.77 | 1.75 |
| 1248+401 | 1.030 | 16.36[v] | ... | 1.4 | −0.5 | −12.7 | 31.56 | ... | 31.10 | ... |
| 1259+593 | 0.472 | 15.90[v] | ... | 1.4 | −0.9 | −11.0 | 31.08 | ... | 30.96 | ... |
| 1302−102 | 0.286 | 15.09 | 540 | 3.4 | −0.8 | −11.1 | 31.02 | 27.28 | 30.78 | 1.44 |
| 1307+085 | 0.155 | 15.28 | 840 | 2.1 | −1.1 | −10.1 | 30.42 | 26.94 | 30.17 | 1.34 |
| 1309+355 | 0.184 | 15.75[v] | ... | 1.0 | −1.2 | −10.3 | 30.37 | ... | 29.93 | ... |

TABLE 4 - *Continued*

| Name | $z$ | $B$ | $F_x$ [a] | $N_H$ [b] | $\alpha_{uv}$ [c] | $b_{uv}$ [d] | log $l_{opt}$ [e] | log $l_x$ [f] | log $l_{uv}$ [g] | $\alpha_{ox}$ |
|---|---|---|---|---|---|---|---|---|---|---|
| 1317+277 | 1.022 | 16.12 | ... | 1.2 | −0.4 | −12.9 | 31.65 | ... | 31.39 | ... |
| 1318−113 | 2.308 | 17.81 | ... | 2.8 | −1.7 | −9.5 | 31.64 | ... | 31.98 | ... |
| 1333+176 | 0.554 | 15.64 | 49 | 1.8 | −0.9 | −11.3 | 31.31 | 26.80 | 31.02 | 1.73 |
| 1334+246 | 0.107 | 15.30[v] | ... | 1.1 | 1.1 | −18.2 | 30.10 | ... | 28.79 | ... |
| 1338+416 | 1.219 | 16.38[v] | ... | 0.9 | 0.0 | −14.5 | 31.68 | ... | 30.88 | ... |
| 1352+183 | 0.152 | 15.71 | 530 | 2.0 | −1.4 | −9.5 | 30.23 | 26.72 | 29.90 | 1.35 |
| 1354+195 | 0.720 | 16.48 | ... | 2.2 | −0.4 | −13.1 | 31.20 | ... | 30.82 | ... |
| 1355−416 | 0.313 | 15.76 | 620 | 6.2 | −0.5 | −12.3 | 30.92 | 27.41 | 30.54 | 1.35 |
| 1356+581 | 1.371 | 17.32 | ... | 1.4 | −0.8 | −12.4 | 31.40 | ... | 31.05 | ... |
| 1415+451 | 0.114 | 16.04[v] | ... | 1.1 | −1.0 | −11.0 | 29.86 | ... | 29.44 | ... |
| 1425+267 | 0.362 | 15.67 | 73 | 1.7 | −0.4 | −13.1 | 30.96 | 26.61 | 30.16 | 1.67 |
| 1444+407 | 0.267 | 16.25[v] | ... | 1.3 | −1.0 | −10.8 | 30.48 | ... | 30.38 | ... |
| 1512+370 | 0.371 | 15.48 | 350 | 1.4 | −1.4 | −9.6 | 31.05 | 27.31 | 30.75 | 1.44 |
| 1522+101 | 1.321 | 16.04[v] | ... | 2.9 | 0.1 | −14.4 | 31.88 | ... | 31.31 | ... |
| 1525+227 | 0.253 | 16.79 | 38 | 4.2 | −0.6 | −12.2 | 30.27 | 26.02 | 30.16 | 1.63 |
| 1526+285 | 0.450 | 16.00[v] | ... | 2.6 | −1.2 | −10.5 | 31.00 | ... | 30.57 | ... |
| 1538+477 | 0.770 | 16.31[v] | ... | 1.6 | −0.1 | −13.8 | 31.33 | ... | 30.88 | ... |
| 1545+210 | 0.264 | 16.05 | 780 | 4.3 | −1.2 | −10.3 | 30.60 | 27.37 | 30.36 | 1.24 |
| 1552+085 | 0.119 | 16.02 | 20 | 3.4 | −0.1 | −13.8 | 29.92 | 25.08 | 29.41 | 1.86 |
| 1612+261 | 0.131 | 16.00 | 710 | 4.1 | −1.0 | −11.2 | 30.03 | 26.72 | 29.53 | 1.27 |
| 1617+175 | 0.114 | 15.53 | 285 | 4.1 | −1.4 | −9.4 | 30.10 | 26.20 | 29.93 | 1.50 |
| 1630+377 | 1.471 | 16.26[v] | ... | 1.1 | 0.0 | −14.3 | 31.87 | ... | 31.30 | ... |
| 1634+706 | 1.334 | 14.90 | 93 | 4.6 | −0.2 | −12.9 | 32.40 | 27.83 | 31.92 | 1.75 |
| 1641+399 | 0.595 | 18.70 | 527 | 1.0 | −0.2 | −13.4 | 30.15 | 27.90 | 30.84 | 0.86 |
| 1656+053 | 0.887 | 17.00 | 360 | 6.1 | −0.8 | −11.6 | 31.28 | 28.07 | 31.21 | 1.23 |
| 1718+481 | 1.084 | 15.63[v] | ... | 2.3 | −0.3 | −12.9 | 31.89 | ... | 31.74 | ... |
| 1721+343 | 0.206 | 16.80[v] | 1700 | 3.0 | −1.4 | −9.2 | 30.06 | 27.49 | 30.51 | 0.99 |
| 1803+676 | 0.136 | 16.04 | 330 | 4.7 | −0.9 | −11.1 | 30.07 | 26.42 | 29.91 | 1.40 |
| 1850−782 | 0.162 | 15.80[v] | ... | 9.0 | 0.1 | −14.6 | 30.45 | ... | 29.50 | ... |
| 1928+738 | 0.302 | 16.80[v] | ... | 7.8 | −1.2 | −10.1 | 30.52 | ... | 30.57 | ... |
| 2112+059 | 0.466 | 18.90 | < 61 | 6.5 | −0.9 | −11.3 | 29.99 | < 26.75 | 30.82 | > 1.24 |
| 2141+175 | 0.213 | 15.91 | 165 | 8.2 | −1.4 | −9.4 | 30.61 | 26.51 | 30.50 | 1.57 |
| 2201+315 | 0.297 | 15.56 | 535 | 9.0 | −1.4 | −9.2 | 31.04 | 27.30 | 30.98 | 1.44 |
| 2251+113 | 0.323 | 16.25 | < 63 | 5.1 | −1.2 | −10.2 | 30.71 | < 26.44 | 30.45 | > 1.64 |
| 2251+158 | 0.859 | 16.57 | 475 | 6.4 | −0.6 | −12.3 | 31.44 | 28.17 | 30.99 | 1.26 |
| 2302+029 | 1.044 | 16.33[v] | ... | 5.2 | −0.3 | −13.2 | 31.66 | ... | 31.26 | ... |
| 2344+092 | 0.672 | 16.08 | 180 | 5.8 | −1.2 | −10.5 | 31.39 | 27.53 | 31.02 | 1.48 |

[a] Flux in 0.16−3.5keV bandpass, in erg cm$^{-2}$ s$^{-1}$ from Wilkes et al. (1994), assuming $\alpha_x = -0.5$.
[b] Galactic column density in $10^{20}$ cm$^{-2}$.
[c] UV spectral slope ($f_\nu \sim \nu^{\alpha_{uv}}$)
[d] UV normalization (see text).
[e] Log rest-frame luminosity in erg cm$^{-2}$ s$^{-1}$ Hz$^{-1}$, at 2500Å.
[f] Log rest-frame luminosity in erg cm$^{-2}$ s$^{-1}$ Hz$^{-1}$, at 2 keV.
[g] Log rest-frame luminosity in erg cm$^{-2}$ s$^{-1}$ Hz$^{-1}$, at 1450Å.

TABLE 5
UNIVARIATE DISTRIBUTIONS

| Parameter | Sample | | Median | Mean | RMS | Trunc? | $N^b_{del}$ |
|---|---|---|---|---|---|---|---|
| | $N_{total}$ | $N^a_{limits}$ | | | | | |
| | | | Continuum Parameters | | | | |
| log $l_{opt}$ | 85 | 0 | 30.87 | 30.91 | 0.07 | N | |
| log $l_{uv}$ | 85 | 0 | 30.71 | 30.62 | 0.07 | N | |
| log $l_x$ | 49 | 5 | 27.07 | 27.02 | 0.11 | N | |
| $\alpha_{uv}$ | 85 | 0 | −1.09 | −1.19 | 0.06 | N | |
| $\alpha_{ox}$ | 49 | 5 | 1.38 | 1.43 | 0.03 | N | |
| | | | Equivalent Widths $W_\lambda$ (Å) | | | | |
| O VI | 57 | 29 | 6.9 | 5.9 | 0.9 | 1.5 | |
| Ly$\alpha$ | 77 | 5 | 57.5 | 52.7 | 3.5 | N | |
| Si IV | 71 | 39 | 5.4 | 6.4 | 1.0 | 1.5 | |
| C IV | 63 | 12 | 52.5 | 49.8 | 5.1 | 5.7 | |
| He II | 58 | 31 | 9.9 | 7.9 | 1.6 | 1.2 | |
| C III] | 52 | 25 | 17.8 | 16.5 | 1.9 | 5.2 | |
| | | | Ratios of Equivalent Widths | | | | |
| O VI/Ly$\alpha$ | 50 | 24 | 0.12 | 0.12 | 0.02 | 0.03 | |
| O VI/C IV | 28 | 12 | 0.16 | 0.16 | 0.02 | 0.08 | 3 |
| Si IV/Ly$\alpha$ | 67 | 37 | 0.10 | 0.11 | 0.02 | 0.02 | 2 |
| C IV/Ly$\alpha$ | 59 | 10 | 0.81 | 0.84 | 0.06 | N | 2 |
| He II/Ly$\alpha$ | 54 | 27 | 0.16 | 0.13 | 0.02 | 0.02 | 3 |
| C III]/Ly$\alpha$ | 47 | 23 | 0.26 | 0.27 | 0.03 | 0.08 | 2 |
| C III]/C IV | 41 | 21 | 0.21 | 0.24 | 0.03 | 0.09 | 6 |
| | | | FWHM (km $s^{-1}$) | | | | |
| O VI | 57 | 29 | 4570 | 4210 | 290 | 2250 | |
| Ly$\alpha$ | 77 | 5 | 7590 | 7690 | 250 | 3140 | |
| Si IV | 70 | 39 | 4790 | 4050 | 550 | 1240 | |
| C IV | 63 | 12 | 7940 | 7820 | 360 | N | |
| C III] | 52 | 25 | 5750 | 6340 | 520 | N | |

[a] All limits are upper limits except for $\alpha_{ox}$.
[b] Number of lower limits deleted from sample to allow analysis.

TABLE 6
BIVARIATE RESULTS [a]

| Parameters | | $N_{total}$ | $N_{limits}$ | | | | | $P$ [b] | Regression [c] | | $N_{changed}$ [d] | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Y | X | | X | | Y | | Both | (%) | Slope | Intercept | X | Y |
| | | | low | up | low | up | | | | | | |
| $W_\lambda$(Ly$\alpha$) | $l_{uv}$ | 77 | 0 | 0 | 0 | 5 | 0 | .01 | $-0.11 \pm 0.05$ | $5.2 \pm 1.6$ | 0 | 1 |
| $W_\lambda$(Ly$\alpha$) | $\alpha_{uv}$ | 77 | 0 | 0 | 0 | 5 | 0 | 1.3 | $0.12 \pm 0.06$ | $1.9 \pm 0.1$ | 0 | 1 |
| $W_\lambda$(Ly$\alpha$) | $\alpha_{ox}$ | 45 | 5 | 0 | 0 | 0 | 0 | .17 | $-0.38 \pm 0.23$ | $2.3 \pm 0.3$ | 1 | 0 |
| FWHM(Ly$\alpha$) | $l_{uv}$ | 77 | 0 | 0 | 0 | 5 | 0 | 1.4 | $0.06 \pm 0.01$ | $2.1 \pm 0.4$ | 0 | 1 |
| FWHM(Ly$\alpha$) | $\alpha_{uv}$ | 77 | 0 | 0 | 0 | 5 | 0 | .01 | $-0.09 \pm 0.03$ | $3.8 \pm .04$ | 0 | 0 |
| $W_\lambda$(C IV) | $l_{uv}$ | 63 | 0 | 0 | 0 | 12 | 0 | .02 | $-0.22 \pm 0.05$ | $8.3 \pm 1.6$ | 0 | 3 |
| $W_\lambda$(C III]) | $l_{uv}$ | 52 | 0 | 0 | 0 | 25 | 0 | 0.4 | $-0.27 \pm 0.05$ | $9.6 \pm 1.5$ | 0 | 9 |
| $W_\lambda$(C III]) | $l_x$ | 36 | 0 | 2 | 0 | 15 | 0 | 0.8 | $-0.19 \pm 0.06$ | $6.5 \pm 1.6$ | 0 | 6 |
| C III]/Ly$\alpha$ | $l_x$ | 33 | 0 | 2 | 0 | 15 | 1 | .03 | $-0.23 \pm 0.10$ | $5.6 \pm 2.9$ | 1 | 5 |
| $W_\lambda$(He II) | $l_{uv}$ | 58 | 0 | 0 | 0 | 31 | 0 | .01 | $-0.30 \pm 0.07$ | $9.9 \pm 2.1$ | 0 | 8 |
| $W_\lambda$(He II) | $l_x$ | 37 | 0 | 3 | 0 | 17 | 0 | .5 | $-0.27 \pm 0.15$ | $8.1 \pm 4.1$ | 0 | 5 |
| He II/Ly$\alpha$ | $l_{uv}$ | 54 | 0 | 0 | 0 | 27 | 0 | .7 | $-0.21 \pm 0.08$ | $5.5 \pm 2.5$ | 0 | 5 |
| He II/Ly$\alpha$ | $l_x$ | 35 | 0 | 3 | 0 | 15 | 0 | .7 | $-0.24 \pm 0.31$ | $5.7 \pm 8.4$ | 0 | 5 |

[a] Includes only parameter pairs with data for $N > 30$ QSOs and significant ($P < 2\%$) correlations in *both* generalized Spearman and Kendall's rank tests.
[b] Probability of achieving the Spearman Rank correlation assuming the null hypothesis (no correlation).
[c] Fits are from Schmitt's 2-D Kaplan-Meier regression to the logarithm of listed parameters (except for spectral slopes $\alpha_{uv}$ and $\alpha_{ox}$).
[d] Outlying limits changed to detections at bin edges.