**Table 1.** Strong lines above 228 Å expected in quasar absorption systems

| $\lambda$, Å | Species | $P$ | $\lambda$, Å | Species | $P$ | $\lambda$, Å | Species | $P$ |
|---|---|---|---|---|---|---|---|---|
| 234.347 | HeII-$\varepsilon$ | 11.25 | 526.634 | FeIV | 9.19 | 933.378 | SVI | 9.89 |
| 237.331 | HeII-$\delta$ | 11.51 | 533.5099 | NII | 10.25 | 937.8035 | HI-$\varepsilon$ | 12.86 |
| 238.360 | OIV | 11.01 | 537.0296 | HeI-$\beta$ | 12.60 | 944.523 | SVI | 9.59 |
| 243.027 | HeII-$\gamma$ | 11.84 | 539.0855 | OII | 10.48 | 945.191 | CI | 10.72 |
| 248.538 | OIII | 10.15 | 539.5489 | OII | 10.30 | 949.7431 | HI-$\delta$ | 13.12 |
| 256.317 | HeII-$\beta$ | 12.30 | 539.8544 | OII | 10.00 | 971.738 | OI | 10.11 |
| 257.385 | FeXIV | 9.39 | 541.127 | NeIV | 9.41 | 972.5368 | HI-$\gamma$ | 13.45 |
| 263.692 | OIII | 10.37 | 542.073 | NeIV | 9.72 | 977.020 | CIII | 11.43 |
| 264.257 | OIII | 10.22 | 543.257 | CII | 9.84 | 988.6549 | OI | 9.83 |
| 266.967 | OIII | 10.43 | 543.891 | NeIV | 9.89 | 988.7734 | OI | 10.58 |
| 284.147 | FeXV | 9.88 | 553.330 | OIV | 10.72 | 989.799 | NIII | 10.13 |
| 303.318 | SiXI | 9.46 | 554.075 | OIV | 11.02 | 1025.7223 | HI-$\beta$ | 13.91 |
| 303.411 | OIII | 10.62 | 560.2394 | CII | 10.07 | 1025.76 | OI | 10.22 |
| 303.7822 | HeII-$\alpha$ | 13.09 | 568.42 | NeV | 9.81 | 1031.9261 | OVI | 11.07 |
| | | | 584.3340 | HeI-$\alpha$ | 13.21 | 1036.3367 | CII | 10.66 |
| 305.596 | OIII | 11.09 | | | | 1037.6167 | OVI | 10.77 |
| 312.422 | CIV | 10.19 | 585.75 | ArVII | 9.42 | 1083.9937 | NII | 10.12 |
| 312.453 | CIV | 9.89 | 594.8000 | CII | 10.40 | 1190.4158 | SiII | 10.09 |
| 335.407 | FeXVI | 9.46 | 608.398 | OIV | 10.54 | 1193.2897 | SiII | 10.39 |
| 357.95 | NeV | 9.79 | 609.79 | MgX | 9.29 | 1199.5496 | NI | 10.34 |
| 357.969 | CaIII | 9.48 | 624.95 | MgX | 8.99 | 1200.2233 | NI | 10.16 |
| 368.071 | MgIX | 9.64 | 629.730 | OV | 11.44 | 1200.7098 | NI | 9.86 |
| 374.005 | OIII | 10.42 | 644.6337 | NII | 10.21 | 1206.500 | SiIII | 10.86 |
| 374.204 | NIII | 10.27 | 657.34 | SIV | 10.16 | 1215.6701 | HI-$\alpha$ | 14.70 |
| 376.693 | OII | 9.97 | 677.746 | SIII | 10.32 | | | |
| 376.745 | OII | 10.15 | 684.996 | NIII | 10.02 | 1238.821 | NV | 10.34 |
| 386.2028 | CIII | 10.51 | 685.513 | NIII | 10.31 | 1242.804 | NV | 10.04 |
| 386.261 | FeV | 9.33 | 687.0526 | CII | 10.92 | 1260.4221 | SiII | 10.72 |
| 391.912 | OII | 9.96 | 698.731 | SIII | 10.01 | 1277.2454 | CI | 10.70 |
| 391.943 | OII | 10.26 | 702.332 | OIII | 10.91 | 1302.1685 | OI | 10.75 |
| 392.002 | OII | 10.44 | 735.8962 | NeI | 10.13 | 1304.3702 | SiII | 9.61 |
| 399.82 | NeVI | 9.62 | 763.657 | SII | 9.75 | 1334.5323 | CII | 10.79 |
| 401.14 | NeVI | 9.92 | 764.420 | SII | 10.05 | 1393.755 | SiIV | 10.41 |
| 429.918 | OII | 10.35 | 765.148 | NIV | 10.72 | 1402.770 | SiIV | 10.11 |
| 430.041 | OII | 10.66 | 765.693 | SII | 10.23 | 1526.7066 | SiII | 9.85 |
| 430.177 | OII | 10.83 | 770.409 | NeVIII | 9.99 | 1548.195 | CIV | 11.03 |
| 445.0397 | NeII | 9.03 | 780.324 | NeVIII | 9.69 | 1550.770 | CIV | 10.73 |
| 445.997 | ArV | 9.36 | 786.48 | SV | 10.32 | 1560.3092 | CI | 10.61 |
| 446.2556 | NeII | 9.73 | 787.711 | OIV | 10.87 | 1608.4511 | FeII | 9.51 |
| 451.87 | ArIV | 9.23 | 791.5136 | OI | 10.02 | 1656.9283 | CI | 10.95 |
| 452.91 | ArIV | 9.41 | 791.9732 | OI | 10.50 | 1670.7874 | AlII | 9.96 |
| 465.221 | NeVII | 10.35 | 832.7572 | OII | 10.50 | 1854.7164 | AlIII | 9.51 |
| 480.41 | NeV | 9.81 | 832.927 | OIII | 10.88 | 1862.7895 | AlIII | 9.21 |
| 488.108 | NeIII | 9.42 | 833.3294 | OII | 10.80 | 2344.214 | FeII | 9.92 |
| 489.505 | NeIII | 9.90 | 834.4655 | OII | 10.97 | 2374.4612 | FeII | 9.34 |
| | | | 859.723 | FeIII | 9.51 | 2382.765 | FeII | 10.37 |
| 507.391 | OIII | 10.90 | 877.7983 | OI | 10.17 | 2484.0205 | FeI | 10.65 |
| 512.0982 | HeI-$\varepsilon$ | 11.65 | 877.8787 | OI | 10.64 | 2586.6500 | FeII | 9.73 |
| 515.6165 | HeI-$\delta$ | 11.89 | 903.6235 | CII | 10.74 | 2600.1729 | FeII | 10.28 |
| 522.2128 | HeI-$\gamma$ | 12.19 | 903.9616 | CII | 11.04 | 2796.352 | MgII | 10.83 |
| 525.689 | FeIV | 9.49 | | | | 2803.531 | MgII | 10.52 |
| 526.293 | FeIV | 9.37 | 915.6131 | NII | 10.22 | 2852.9642 | MgI | 11.27 |