MAS Eclipsing Binary Ephemeris for October 2026 all times in U.T.



| | RT AND | TW AND | UU AND | WZ AND | XZ AND | AB AND | AB AND | AD AND | AD AND | BD AND | BX AND | DS AND | DS AND | QX AND | QX AND | RY AQR | CX AQR | CZ AQR | EK AQR | EK AQR | XZ AQL | KO AQL | KP AQL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MAX | 9.3 | 8.8 | 11.2 | 11.6 | 10.0 | 9.3 | 9.3 | 11.1 | 11.1 | 11.3 | 8.6 | 10.8 | 10.8 | 11.3 | 11.3 | 8.8 | 10.7 | 10.3 | 10.8 | 10.8 | 9.3 | 8.3 | 9.7 |
| MIN | 10.2 | 11.0 | 14.1 | 12.6 | 13.0 | 10.2 | 10.2 | 11.6 | 11.6 | 11.7 | 9.5 | 11.4 | 11.4 | 11.6 | 11.6 | 10.1 | 12.0 | 11.2 | 11.3 | 11.3 | 11.2 | 9.3 | 10.5 |
| DUR | 3 | 11 | 8 | 4 | 3 | 3 | 3 | 4 | 4 | 3 | 4 | 4 | 4 | 3 | 3 | 5 | 3 | 3 | 3 | 3 | 7 | 5 | 4 |
| TOT | | 2 | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | (S) | | (S) | | | | (S) | | (S) | | | | | (S) | | | |
| 0- 1 | 7.0 | | | 12.0 | 7.0 | 5.5 | 1.5 | 2.0 | | 0.5 | 1.5 | | 10.5 | 6.0 | 1.5 | | | | 1.5 | 9.0 | 1.5 | | |
| 1- 2 | | | 5.0 | 4.5 | | 5.5 | 1.5 | 1.5 | | 9.5 | 7.0 | | 11.0 | 2.0 | 7.0 | | 2.5 | 7.5 | 7.0 | | | | |
| 2- 3 | 4.0 | | | | | 5.5 | 1.5 | 1.5 | | 8.0 | 12.5 | | 11.0 | 7.5 | 2.5 | | 5.5 | 4.0 | | 5.0 | 5.0 | | |
| 3- 4 | 10.5 | | | 6.5 | 0.5 | 5.5 | 1.5 | 1.0 | | 6.0 | 3.0 | | 11.5 | 3.5 | 8.5 | | 8.0 | 0.5 | 3.0 | | | | |
| 4- 5 | 1.5 | | 4.0 | | 9.0 | 5.0 | 1.5 | 0.5 | | 4.5 | 8.0 | | 11.5 | 9.0 | 4.0 | | | | 8.5 | 1.0 | | | 3.0 |
| 5- 6 | 7.5 | | | 9.0 | | 5.0 | 1.0 | 0.5 | 12.0 | 2.5 | | | 12.0 | 5.0 | 10.0 | | 0.0 | | | 6.5 | | | |
| 6- 7 | | | | 1.5 | | 5.0 | 1.0 | | 12.0 | 1.0 | 4.0 | | 12.0 | 0.5 | 5.5 | | 3.0 | | 4.5 | | | | |
| 7- 8 | 5.0 | | 3.5 | 11.0 | 2.0 | 5.0 | 1.0 | | 11.5 | 10.0 | 9.5 | 0.0 | 12.5 | 6.5 | 1.5 | | 5.5 | 8.5 | | 2.5 | | | |
| 8- 9 | 11.0 | | | 3.5 | 10.5 | 5.0 | 1.0 | | 11.0 | 8.5 | 0.0 | 0.5 | | 2.0 | 7.0 | | 8.0 | 5.0 | 0.5 | 8.0 | | | |
| 9-10 | 2.0 | | | | | 4.5 | 0.5 | | 11.0 | 6.5 | 5.5 | 0.5 | | 8.0 | 3.0 | | | 1.5 | 6.0 | | | | |
| 10-11 | 8.5 | 1.0 | 3.0 | 5.5 | | 4.5 | 0.5 | | 10.5 | 5.0 | 10.5 | 1.0 | | 3.5 | 8.5 | | 0.0 | | | 4.0 | | | |
| 11-12 | | | | | 3.5 | 4.5 | 0.5 | | 10.0 | 3.0 | 1.5 | 1.0 | | 9.5 | 4.5 | | 3.0 | | 2.5 | | | | |
| 12-13 | 5.5 | | | 7.5 | 12.5 | 4.5 | 0.5 | | 10.0 | 1.0 | 6.5 | 1.5 | | 5.0 | 0.0 | | 5.5 | | 7.5 | 0.5 | | | |
| 13-14 | 12.0 | | 2.0 | 0.5 | | 4.5 | 0.5 | | 9.5 | 10.5 | 12.0 | 1.5 | | 1.0 | 6.0 | | 8.0 | | | 6.0 | | | |
| 14-15 | 3.0 | 4.0 | | 10.0 | | 4.0 | 0.0 | | 9.0 | 9.0 | 2.5 | 2.0 | | 6.5 | 1.5 | | | 6.0 | 4.0 | | | | 5.5 |
| 15-16 | 9.0 | | | 2.5 | 5.5 | 4.0 | 0.0 | | 9.0 | 7.0 | 8.0 | 2.0 | | 2.5 | 7.5 | | 0.5 | 2.5 | | 2.0 | 1.0 | | |
| 16-17 | 0.0 | | 1.5 | 12.0 | | 4.0 | 0.0 | | 8.5 | 5.0 | | 2.5 | | 8.0 | 3.0 | | 3.0 | | | 7.5 | | | |
| 17-18 | 6.5 | | | 4.5 | | 4.0 | 8.0 | | 8.0 | 3.5 | 3.5 | 2.5 | | 4.0 | 8.5 | | 5.5 | | 5.5 | | 4.0 | 4.0 | |
| 18-19 | | 6.5 | | | | 4.0 | 8.0 | | 8.0 | 1.5 | 9.0 | 3.0 | | 9.5 | 4.5 | | 8.5 | | | 3.5 | | | |
| 19-20 | 3.5 | | 1.0 | 6.5 | 7.0 | 3.5 | 7.5 | | 7.5 | 11.0 | | 3.0 | | 5.0 | 0.5 | | | | 1.5 | 9.0 | | | |
| 20-21 | 10.0 | | | | | 3.5 | 7.5 | | 7.0 | 9.0 | 5.0 | 3.5 | | 1.0 | 6.0 | | 0.5 | 7.0 | 7.0 | | | 0.5 | |
| 21-22 | 1.0 | | | 9.0 | | 3.5 | 7.5 | | 7.0 | 7.5 | 10.0 | 3.5 | | 6.5 | 2.0 | | 3.0 | 3.5 | | 5.0 | | | |
| 22-23 | 7.0 | 9.5 | 0.0 | 1.5 | 0.5 | 3.5 | 7.5 | | 6.5 | 5.5 | 1.0 | 4.0 | | 2.5 | 7.5 | | 5.5 | 0.5 | 3.0 | | | | |
| 23-24 | | | 12.0 | 11.0 | 9.0 | 3.5 | 7.5 | | 6.0 | 4.0 | 6.0 | 4.0 | | 8.0 | 3.0 | 6.5 | 8.5 | | 8.5 | 1.0 | | | |
| 24-25 | 4.5 | | | 3.5 | | 3.0 | 7.0 | | 6.0 | 2.0 | 11.5 | 4.5 | | 4.0 | 9.0 | | | | | 6.5 | | | |
| 25-26 | 10.5 | | | | | 3.0 | 7.0 | | 5.5 | 0.5 | 2.0 | 4.5 | | 9.5 | 4.5 | 5.5 | 0.5 | | 4.5 | | | | |
| 26-27 | 2.0 | | 11.0 | 5.5 | 2.0 | 3.0 | 7.0 | | 5.0 | 9.5 | 7.5 | 5.0 | | 5.5 | 0.5 | | 3.0 | 8.0 | | 2.5 | | | |
| 27-28 | 8.0 | | | | 10.5 | 3.0 | 7.0 | | 5.0 | 8.0 | | 5.0 | | 1.0 | 6.0 | 5.0 | 6.0 | 4.5 | 0.5 | 8.0 | | | |
| 28-29 | | | | 7.5 | | 3.0 | 6.5 | | 4.5 | 6.0 | 3.5 | 5.5 | | 7.0 | 2.0 | | | 1.0 | 6.0 | | | | |
| 29-30 | 5.0 | | 10.5 | 0.5 | | 2.5 | 6.5 | | 4.0 | 4.5 | 8.5 | 5.5 | | 2.5 | 7.5 | 4.0 | | | | 4.0 | | | |
| 30-31 | 11.5 | | | 10.0 | 4.0 | 2.5 | 6.5 | | 4.0 | 2.5 | | 6.0 | | 8.5 | 3.5 | | 0.5 | | 2.0 | | 0.0 | | |

| | OO AQL | OO AQL | V342 AQL | V343 AQL | V346 AQL | RX ARI | SS ARI | SS ARI | RY AUR | SX AUR | TT AUR | WW AUR | WW AUR | AP AUR | AP AUR | AR AUR | AR AUR | CL AUR | EM AUR | EP AUR | HP AUR | HP AUR | IM AUR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MAX | 9.2 | 9.2 | 9.0 | 10.6 | 9.0 | 9.4 | 10.1 | 10.1 | 11.7 | 8.2 | 8.7 | 5.7 | 5.7 | 10.9 | 10.9 | 6.0 | 6.0 | 11.7 | 11.0 | 10.8 | 10.8 | 10.8 | 7.9 |
| MIN | 10.1 | 10.1 | 12.5 | 12.3 | 10.4 | 9.9 | 11.1 | 11.1 | 14.0 | 9.0 | 9.7 | 6.4 | 6.4 | 11.4 | 11.4 | 6.7 | 6.7 | 13.2 | 11.9 | 11.3 | 11.5 | 11.5 | 8.5 |
| DUR | 3 | 3 | 7 | 4 | 4 | 4 | 3 | 3 | 6 | 4 | 5 | 5 | 5 | 4 | 4 | 5 | 5 | 4 | 4 | 3 | 3 | 3 | 4 |
| TOT | | | 3 | | | | | | | | | | | | | | | | | | | | |
| | | (S) | | | | | | (S) | | | | | (S) | | (S) | | (S) | | | | | (S) | |
| 0- 1 | | 3.5 | | | | 12.5 | 9.0 | 4.5 | | | 10.0 | | | | 6.5 | | | | | 7.5 | | 9.5 | |
| 1- 2 | | 4.0 | | | | | 4.5 | 9.5 | | 6.5 | | | | | 10.0 | | | | | 12.0 | | | |
| 2- 3 | | 4.5 | | | | | | 5.0 | | 11.5 | | | | 6.5 | | | | | | | | | |
| 3- 4 | | 4.5 | | | | | 5.5 | 0.5 | | | | | 10.0 | 9.5 | | | | 7.5 | | 6.5 | | 5.5 | 7.0 |
| 4- 5 | | 5.0 | 2.0 | | | | 1.0 | 6.0 | | | 10.0 | | | | 6.0 | | | | | 10.5 | | | |
| 5- 6 | | 5.5 | | 5.5 | 1.0 | | 6.0 | 1.0 | | | | | | | 9.5 | | | | 11.5 | | 9.0 | | |
| 6- 7 | | 5.5 | | | 3.5 | | 1.5 | 6.5 | | 3.0 | | | | 6.0 | | 3.0 | | | | 5.5 | | | |
| 7- 8 | | 6.0 | | 1.5 | 6.0 | | 7.0 | 2.0 | 8.5 | 8.0 | | 5.0 | | 9.5 | | | | | 7.0 | 9.5 | | 12.0 | |
| 8- 9 | 0.0 | | | | | | 2.5 | 7.0 | | | 10.0 | | 11.0 | | 6.0 | | 5.0 | 7.0 | | | 5.0 | | 6.5 |
| 9-10 | 0.5 | | | | | | 7.5 | 2.5 | | | | | | | 9.0 | | | | 3.0 | 4.0 | | | |
| 10-11 | 1.0 | | | | | | 3.0 | 8.0 | | | | | | 5.5 | 12.5 | 6.5 | | | | 8.5 | | 8.5 | |
| 11-12 | 1.0 | | | | | | 8.5 | 3.5 | | | | | | 9.0 | | | | | | | | | |
| 12-13 | 1.5 | | | | | | 4.0 | 8.5 | | 4.0 | 10.0 | 6.0 | | 12.5 | 5.5 | | 8.0 | | | | 11.5 | | |
| 13-14 | 2.0 | | | | | | 9.0 | 4.0 | | 9.0 | | | 12.5 | | 9.0 | | | 6.5 | | 7.5 | | 4.5 | 6.5 |
| 14-15 | 2.0 | | | | | | 4.5 | 9.5 | | | | | | 5.5 | 12.0 | 9.5 | | 12.5 | | 12.0 | | | 12.5 |
| 15-16 | 2.5 | | | | 0.0 | | 9.5 | 5.0 | | | | | | 8.5 | | | | | | | 8.0 | | |
| 16-17 | 3.0 | | | | 2.5 | | 5.0 | | | | 10.0 | | | 12.0 | 5.0 | | 11.5 | | 9.5 | 6.5 | | | |
| 17-18 | 3.0 | | | | 5.0 | | 0.5 | 5.5 | | | | 7.5 | | | 8.5 | | | | | 11.0 | | 11.0 | |
| 18-19 | 3.5 | | | 3.0 | | | 6.0 | 1.0 | 6.0 | 5.0 | | | | | 12.0 | | | 6.0 | 5.5 | | 4.5 | | 6.0 |
| 19-20 | 4.0 | | | | | 1.0 | 1.5 | 6.5 | | 10.0 | | | | 8.5 | | | | 12.0 | | 5.5 | | | 12.0 |
| 20-21 | 4.0 | | | | | 2.0 | 6.5 | 1.5 | | | 10.0 | | | 11.5 | | | | | | 9.5 | | 7.5 | |
| 21-22 | 4.5 | | 1.0 | | | 2.5 | 2.0 | 7.0 | | | | | | | 8.0 | | | | | | | | |
| 22-23 | 5.0 | | | | | 3.5 | 7.5 | 2.5 | | | | 8.5 | | | 11.5 | | | | | 4.5 | 10.5 | | |
| 23-24 | 5.0 | | | | | 4.0 | 3.0 | 7.5 | | | | | | 8.0 | | | | 5.5 | | 8.5 | | 4.0 | 6.0 |
| 24-25 | 5.5 | | | | | 4.5 | 8.0 | 3.0 | | 6.5 | 10.0 | | | 11.5 | | | | 11.0 | | | | | 12.0 |
| 25-26 | 5.5 | | | | | 5.5 | 3.5 | 8.5 | | 11.5 | | | | | 8.0 | | | | 12.5 | | 7.0 | | |
| 26-27 | 6.0 | | | | 1.5 | 6.0 | 9.0 | 4.0 | 10.5 | | | | | | 11.0 | | | | | 7.5 | | | |
| 27-28 | | 0.5 | | | 4.0 | 7.0 | 4.5 | 9.0 | | | | 9.5 | | 7.5 | | | | | 8.0 | 12.0 | | 10.0 | |
| 28-29 | | 0.5 | | | | 7.5 | 9.5 | 4.5 | | | 10.0 | | | 11.0 | | | | 5.0 | | | 3.5 | | 5.5 |
| 29-30 | | 1.0 | | 5.0 | | 8.0 | 5.0 | | 3.5 | 2.5 | | | | | 7.5 | | | 10.5 | 4.0 | 6.5 | | | 11.5 |
| 30-31 | | 1.5 | | | | 9.0 | | 5.5 | | 7.5 | | | | | 10.5 | | | | | 11.0 | | 6.5 | |

| | V459 AUR | V459 AUR | SS BOO | SS BOO | TU BOO | TU BOO | TY BOO | TY BOO | TZ BOO | TZ BOO | UW BOO | VW BOO | VW BOO | AD BOO | AD BOO | 44 BOO | 44 BOO | Y CAM | SV CAM | AL CAM | AN CAM | CD CAM | CD CAM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MAX | 7.7 | 7.7 | 10.3 | 10.3 | 11.7 | 11.7 | 11.8 | 11.8 | 10.6 | 10.6 | 10.4 | 10.5 | 10.5 | 9.8 | 9.8 | 4.7 | 4.7 | 10.6 | 8.6 | 10.5 | 9.7 | 11.6 | 11.6 |
| MIN | 8.1 | 8.1 | 11.0 | 11.0 | 12.7 | 12.7 | 12.3 | 12.3 | 11.1 | 11.1 | 11.4 | 11.0 | 11.0 | 10.4 | 10.2 | 4.9 | 4.8 | 12.4 | 9.4 | 11.3 | 10.5 | 11.8 | 11.8 |
| DUR | 4 | 4 | 18 | 18 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 3 | 3 | 6 | 3 | 5 | 8 | 5 | 5 |
| TOT | | | 6 | 6 | | | | | | | | | | | | | | | | | | | |
| | | (S) | | (3) | | (S) | | (S) | | (S) | | | (S) | | (S) | | (S) | | | | | | (S) |
| 0- 1 | | | | | 0.5 | | | | | 1.5 | | | | | | | 2.5 | | 10.5 | 7.0 | | 3.5 | |
| 1- 2 | | 5.0 | | | | | 2.5 | | 2.5 | | | | | | | 1.0 | | | 0.5 | | | | 7.0 |
| 2- 3 | | 6.5 | 1.5 | | | | 1.0 | | | | | | | | | 2.5 | | | 5.0 | | | 10.5 | 1.5 |
| 3- 4 | | 8.0 | | | | | 0.0 | | | 1.0 | | 0.0 | | | | | 1.0 | | 9.5 | | | 5.0 | |
| 4- 5 | | 9.5 | | | | | | 2.5 | 2.0 | | | 0.5 | | | | | 3.0 | 3.0 | | 6.5 | | | 8.5 |
| 5- 6 | | 11.0 | | | | 1.0 | | 1.5 | | 2.5 | | | | | | 1.5 | | | 4.5 | | | 12.0 | 3.0 |
| 6- 7 | | 12.5 | | | | 0.5 | | 0.5 | | 0.0 | | | | | | 3.0 | | | 9.0 | | | 6.5 | |
| 7- 8 | | | | | | | | | 1.0 | | | | | | | | 1.5 | 10.5 | | | | 0.5 | 10.0 |
| 8- 9 | | | | | | | 2.0 | | | 2.0 | | | | | | 0.0 | 3.5 | | 3.5 | 6.0 | 9.5 | | 4.0 |
| 9-10 | | | | | | | 0.5 | | 3.0 | | | | | | | 2.0 | | | 8.0 | | | 7.5 | |
| 10-11 | 5.5 | | | | | | | | 0.5 | | | | 0.5 | | | 3.5 | 0.5 | | 12.5 | | | 2.0 | 11.0 |
| 11-12 | 7.0 | | | | 1.0 | | | 2.0 | | 1.5 | | | | | | | 2.0 | | 2.5 | | | | 5.5 |
| 12-13 | 8.5 | | | | 0.5 | | | 1.0 | 2.5 | | | | | | | 0.5 | 3.5 | | 7.0 | 6.0 | | 9.0 | |
| 13-14 | 10.0 | | | | | | | | | 3.5 | | | | | | 2.0 | | | 11.5 | | | 3.5 | |
| 14-15 | 11.5 | | | | | | 2.5 | | | 0.5 | | | | | | 4.0 | 0.5 | 1.0 | 2.0 | | | | 7.0 |
| 15-16 | | | | | | | 1.5 | | 1.5 | | | | | | | | 2.5 | | 6.5 | | | 10.5 | 1.0 |
| 16-17 | | | | | | | 0.0 | | | 2.5 | | 0.0 | | | | 1.0 | | | 11.0 | 5.5 | | 4.5 | |
| 17-18 | | | | | | 1.0 | | 3.0 | | 0.0 | | 1.0 | | | | 2.5 | | 8.5 | 1.0 | | | | 8.0 |
| 18-19 | | 5.0 | | | | 0.5 | | 1.5 | 1.0 | | | | | | | | 1.0 | | 5.5 | | | 11.5 | 2.5 |
| 19-20 | | 6.5 | | | | | | 0.5 | | 2.0 | | | | | | | 3.0 | | 10.0 | | | 6.0 | |
| 20-21 | | 8.0 | | | | | | | 3.0 | | | | | | | 1.5 | | | 0.0 | 5.0 | | 0.5 | 9.5 |
| 21-22 | | 9.5 | | | | | 2.0 | | 0.5 | | | | | | | 3.0 | | | 4.5 | | | | 4.0 |
| 22-23 | | 11.0 | | | 1.5 | | 0.5 | | | 1.0 | | | 0.0 | | | | 1.5 | | 9.0 | | | 7.5 | |
| 23-24 | | 12.5 | | | 1.0 | | | | 2.0 | | | | 0.5 | | | | 3.0 | | | | | 2.0 | 11.0 |
| 24-25 | | | | | 0.5 | | | 2.0 | | 3.0 | | | | | | 1.5 | | | 4.0 | 5.0 | | | 5.5 |
| 25-26 | | | | 0.0 | | | | 1.0 | | 0.5 | | | | | | 3.5 | 0.0 | | 8.5 | | | 9.0 | |
| 26-27 | | | | | | | | | 1.5 | | | | | | 0.5 | | 2.0 | | | | | 3.0 | 12.5 |
| 27-28 | 5.5 | | | | | | 2.5 | | | 2.5 | | | | 1.0 | | 0.5 | 3.5 | 6.5 | 3.0 | | | | 6.5 |
| 28-29 | 7.0 | | | | | 1.5 | 1.5 | | | | | | | | | 2.0 | | | 7.5 | 4.5 | | 10.0 | 1.0 |
| 29-30 | 8.5 | | | | | 1.0 | 0.0 | | 1.0 | | 0.0 | 0.5 | | | | 4.0 | 0.5 | | 12.0 | 12.5 | 9.5 | 4.5 | |
| 30-31 | 10.0 | | | | | 0.5 | | 3.0 | | 2.0 | 0.0 | | | | | | 2.5 | | 2.0 | | | | 8.0 |

| | R | RT | SX | TU | TZ | TZ | UU | XZ | YY | AC | AK | AM | AM | RW | TY | RZ | TV | TW | ZZ | AB | CW | CW | DZ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | CMA | CMA | CMA | CMA | CMA | CMA | CMA | CMI | CMI | CMI | CMI | CMI | CMI | CAP | CAP | CAS | CAS | CAS | CAS | CAS | CAS | CAS | CAS |
| MAX | 6.2 | 11.4 | 10.3 | 9.7 | 9.8 | 9.8 | 10.0 | 9.7 | 8.5 | 11.0 | 10.1 | 10.0 | 10.0 | 9.8 | 10.5 | 6.4 | 7.3 | 8.3 | 10.7 | 10.2 | 11.8 | 11.8 | 11.6 |
| MIN | 6.8 | 12.9 | 11.4 | 10.7 | 10.5 | 10.5 | 12.5 | 10.2 | 9.1 | 11.5 | 11.5 | 10.7 | 10.4 | 10.8 | 11.6 | 7.8 | 8.4 | 8.9 | 11.1 | 12.2 | 12.5 | 12.5 | 12.3 |
| DUR | 4 | 5 | 4 | 4 | 4 | 4 | 5 | 3 | 4 | 3 | 4 | 5 | 6 | 5 | 4 | 4 | 4 | 5 | 4 | 4 | 3 | 3 | 4 |
| TOT | | | | | | (S) | | | | | | | (S) | | | | | | | | | (S) | |
| 0- 1 | 12.0 | | | | | | 11.5 | | | | | 10.5 | | | | | 1.0 | | 9.0 | | 0.5 | 4.5 | 11.5 |
| 1- 2 | | 10.0 | | | | | | 10.0 | | | | 11.0 | | | 0.5 | 1.0 | | | | | 7.0 | 3.5 | 6.5 |
| 2- 3 | | | | | | | | | | 10.5 | | 11.5 | | | | 5.5 | | 0.5 | | | 6.0 | 2.5 | 1.5 |
| 3- 4 | | | | 10.5 | | | | | | 7.5 | 9.0 | 12.0 | | | | 10.5 | | 11.0 | | 7.0 | 5.0 | 1.5 | |
| 4- 5 | | | | | | | | 7.5 | | | 12.5 | 12.5 | | 2.5 | | | | | 2.5 | | 4.0 | 0.5 | 10.0 |
| 5- 6 | | 7.0 | | | | | | 11.0 | | | | | | | | | 11.5 | | 8.5 | | 3.0 | 7.0 | 4.5 |
| 6- 7 | | | | | | | | | | | | | | | | | | 7.5 | | 0.5 | 2.0 | 6.0 | |
| 7- 8 | | | | | | | | | 8.0 | | 8.5 | | | | | 0.5 | 7.0 | | | 9.0 | 1.0 | 5.0 | |
| 8- 9 | 11.0 | | 9.5 | | | | | 8.5 | 10.5 | 12.5 | 11.5 | | | | 3.0 | 5.0 | | | | | 7.5 | 4.0 | 8.0 |
| 9-10 | | | | | | | | 12.5 | | 9.0 | | | | | | 10.0 | 2.5 | 4.0 | 2.0 | | 6.5 | 2.5 | 3.0 |
| 10-11 | | 11.5 | | | | | | | | | | | | | | | | | 8.0 | 3.0 | 5.5 | 1.5 | |
| 11-12 | | | | 8.0 | | | | | | | 7.5 | | | | | | | | | 11.5 | 4.5 | 0.5 | 11.5 |
| 12-13 | | | | 11.0 | | | | 10.0 | | | 10.5 | | | | | | | 0.5 | | | 3.5 | 7.0 | 6.5 |
| 13-14 | | | | | | | 11.5 | | | | | | | | | | | 10.5 | | | 2.5 | 6.0 | 1.0 |
| 14-15 | | 8.5 | | | | | | | | | | | | | | 4.5 | | | 1.5 | 5.0 | 1.5 | 5.0 | |
| 15-16 | | | | | 11.0 | | | | | 11.0 | | | | | | 9.0 | | | 7.0 | | 0.5 | 4.0 | 9.5 |
| 16-17 | 9.5 | | 12.5 | | | | | 11.0 | | 7.5 | 9.5 | | | | | | 8.5 | 7.5 | | | 7.0 | 3.0 | 4.5 |
| 17-18 | | | | | | 10.0 | | | | | | | | | | | | | | | 6.0 | 2.0 | |
| 18-19 | | | | | | | | | | | | | | | 2.5 | | 4.0 | | | 7.5 | 5.0 | 1.0 | |
| 19-20 | | | | | | | | 8.5 | 9.0 | | | | | | | | | 4.0 | 0.5 | | 4.0 | 7.5 | 8.0 |
| 20-21 | | | | 8.5 | | | | 12.5 | 11.5 | | 8.5 | | 7.5 | | | 4.0 | | | 6.5 | | 2.5 | 6.5 | 2.5 |
| 21-22 | | | 9.5 | 11.5 | | | | | | | 12.0 | | 8.0 | 1.5 | | 8.5 | | | 12.5 | 1.0 | 1.5 | 5.5 | |
| 22-23 | | | | | | | | | | 9.5 | | | 8.5 | | | | | 0.5 | | 10.0 | 0.5 | 4.5 | 11.0 |
| 23-24 | | 10.0 | | | | | | 10.0 | | | | | 9.0 | | | | | 10.5 | | | 7.5 | 3.5 | 6.0 |
| 24-25 | 8.5 | | | | | | | | | | 7.5 | | 9.5 | | | | | | 0.0 | | 6.0 | 2.5 | 1.0 |
| 25-26 | 11.5 | | | | | | | | | | 11.0 | | 10.0 | | 5.0 | | 10.0 | | 6.0 | 3.5 | 5.0 | 1.5 | |
| 26-27 | | | | | | | 11.5 | | | | | | 10.5 | | | 3.5 | | 7.0 | 12.0 | | 4.0 | 0.5 | 9.5 |
| 27-28 | | 7.0 | | | | | | 11.0 | | | | | 11.0 | | | 8.0 | 5.5 | | | | 3.0 | 7.0 | 4.0 |
| 28-29 | | | | | | | | | | 11.0 | | | 11.5 | | 1.5 | | | | | | 2.0 | 6.0 | |
| 29-30 | | | 12.0 | 9.0 | | | | | | 8.0 | 10.0 | | 11.5 | | | | 1.0 | 4.0 | | 6.0 | 1.0 | 5.0 | |
| 30-31 | | | | 12.0 | | | | 8.5 | | | | | 12.0 | | | | | | 5.5 | | 7.5 | 4.0 | 7.5 |

| | GT CAS | IR CAS | IS CAS | IT CAS | MM CAS | OR CAS | OX CAS | OX CAS | PV CAS | PV CAS | V364 CAS | V364 CAS | V375 CAS | V380 CAS | U CEP | SU CEP | WW CEP | WZ CEP | WZ CEP | XX CEP | ZZ CEP | CW CEP | CW CEP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MAX | 11.9 | 10.8 | 11.6 | 11.0 | 11.3 | 11.4 | 10.1 | 10.1 | 10.0 | 10.0 | 11.2 | 11.2 | 10.1 | 10.4 | 6.7 | 8.8 | 11.1 | 11.7 | 11.7 | 8.5 | 9.3 | 7.6 | 7.6 |
| MIN | 12.8 | 12.1 | 12.6 | 11.8 | 11.9 | 12.4 | 10.9 | 10.9 | 10.6 | 10.6 | 11.7 | 11.7 | 10.9 | 11.1 | 9.8 | 9.8 | 11.9 | 11.3 | 11.1 | 9.6 | 10.0 | 8.0 | 8.0 |
| DUR | 5 | 4 | 5 | 5 | 5 | 4 | 5 | 5 | 3 | 3 | 4 | 4 | 5 | 5 | 4 | 4 | 4 | 3 | 3 | 4 | 5 | 5 | 5 |
| TOT | | | | | | | | | | | | | | | 2 | | | | | | | | |
| | | | | | | | | (S) | | (S) | | (S) | | | | | | | (S) | | | | (S) |
| 0- 1 | 7.0 | | | | | | | | | | | 2.0 | | 1.5 | | | | 1.5 | 6.5 | | 7.5 | | |
| 1- 2 | | 5.5 | 9.0 | | | | | | | | | | | 10.0 | | | | 7.5 | 2.5 | 4.0 | | | |
| 2- 3 | | | | | 2.5 | | | | | | 9.5 | | 6.5 | | | 11.0 | | 3.5 | 8.5 | | 11.0 | 3.5 | |
| 3- 4 | 6.5 | 6.5 | 5.0 | | 6.0 | 5.0 | | 2.0 | | 10.5 | | 4.0 | | | 2.5 | 8.5 | | 9.5 | 4.5 | 12.5 | | | 12.5 |
| 4- 5 | | | | 10.0 | 10.0 | 11.0 | 9.5 | | 7.0 | | | | | 3.0 | | 6.5 | | 5.5 | 0.5 | | | | |
| 5- 6 | | 7.5 | 1.0 | | | | | | | 4.5 | 12.0 | | 5.5 | 11.5 | | 4.0 | | 1.5 | 6.5 | | | | |
| 6- 7 | 6.5 | | | | | | | | 1.0 | | | 6.5 | | | | 1.5 | 11.5 | 7.5 | 2.5 | | | | 6.0 |
| 7- 8 | | 8.5 | | | | | | | | | 1.0 | | | | | | | 3.5 | 8.5 | | | | |
| 8- 9 | | 0.5 | | 7.5 | | 4.5 | | 1.5 | | | | | 4.0 | 5.0 | 2.0 | | | 10.0 | 5.0 | 4.5 | | | |
| 9-10 | 6.0 | 9.5 | | | 1.0 | 10.5 | 9.0 | | | | | 8.5 | | | | | | 6.0 | 1.0 | | | | |
| 10-11 | | 1.5 | | | 5.0 | | | | | 10.5 | 3.0 | | | | | | | 2.0 | 7.0 | | | 8.0 | |
| 11-12 | | 10.5 | | | 9.0 | | | | 7.0 | | | | 3.0 | | | 11.5 | 2.0 | 8.0 | 3.0 | | 0.5 | | |
| 12-13 | 6.0 | 2.5 | 10.0 | 5.0 | | | | | | 4.5 | | 10.5 | | 6.5 | | 9.0 | | 4.0 | 9.0 | | | | |
| 13-14 | | 11.5 | | | | 4.0 | | 1.0 | 1.0 | | 5.0 | | | | 1.5 | 6.5 | | 10.0 | 5.0 | | 4.0 | 1.5 | |
| 14-15 | | 3.5 | 6.0 | | | 10.0 | 8.5 | | | | | | 1.5 | | | 4.5 | | 6.0 | 1.0 | | | | 10.5 |
| 15-16 | 5.5 | 12.5 | | | | | | | | | | | | | | 2.0 | | 2.0 | 7.0 | 5.0 | 7.5 | | |
| 16-17 | | 4.5 | 2.5 | 2.5 | 0.0 | | | | | | 7.0 | | | 8.0 | | | | 8.0 | 3.0 | | | | |
| 17-18 | | | | | 4.0 | | | | | 10.5 | | 1.5 | 0.5 | | | | | 4.0 | 9.0 | | 10.5 | | 4.0 |
| 18-19 | 5.5 | 5.5 | | | 7.5 | 3.5 | | 0.5 | 7.0 | | | | 11.5 | | 1.5 | | | 0.0 | 5.0 | | | | |
| 19-20 | | | | | 11.5 | 9.5 | 8.0 | | | 4.5 | 9.0 | | | 1.5 | | | | 6.5 | 1.5 | | | | |
| 20-21 | | 6.5 | | 0.0 | | | | 12.5 | 1.0 | | | 3.5 | | 10.0 | | 12.0 | 7.0 | 2.5 | 7.5 | | | | |
| 21-22 | 5.5 | | | | | | | | | | | | 10.5 | | | 9.5 | | 8.5 | 3.5 | | | 6.0 | |
| 22-23 | | 7.5 | | | | | | | | | 11.0 | | | | | 7.0 | | 4.5 | 9.5 | 5.0 | | | |
| 23-24 | | 0.0 | 11.0 | | | 3.5 | | 0.0 | | | | 5.5 | | 3.0 | 1.0 | 4.5 | | 0.5 | 5.5 | | | | |
| 24-25 | 5.0 | 9.0 | | | 2.5 | 9.0 | 7.5 | | | 10.5 | 0.0 | | 9.0 | 11.5 | | 2.5 | | 6.5 | 1.5 | | | | |
| 25-26 | | 1.0 | 7.5 | | 6.5 | | | 12.0 | 7.0 | | | | | | | | | 2.5 | 7.5 | | | | 8.5 |
| 26-27 | | 10.0 | | | 10.5 | | | | | 4.5 | | 7.5 | | | | | | 8.5 | 3.5 | | 0.5 | | |
| 27-28 | 5.0 | 2.0 | 3.5 | | | | | | 1.0 | | 2.0 | | 8.0 | 5.0 | | | | 4.5 | 9.5 | | | | |
| 28-29 | | 11.0 | | | | 3.0 | | | | | | | | | 0.5 | | | 0.5 | 5.5 | | 3.5 | | 2.0 |
| 29-30 | | 3.0 | | | | 8.5 | 7.0 | | | | | 10.0 | | | | | 12.0 | 6.5 | 1.5 | 5.5 | | 10.5 | |
| 30-31 | 4.5 | 12.0 | | | | | | 11.5 | | | 4.5 | | 6.5 | | | 10.0 | | 3.0 | 8.0 | | 7.0 | | |

| | DK CEP | DL CEP | DV CEP | EG CEP | EK CEP | GK CEP | TT CET | TW CET | TW CET | TX CET | U CRB | RW CRB | TW CRB | V CRT | SW CYG | WW CYG | ZZ CYG | AE CYG | BR CYG | CG CYG | DK CYG | KR CYG | KV CYG |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MAX | 12.2 | 12.4 | 11.6 | 9.6 | 8.2 | 6.9 | 10.8 | 10.4 | 10.4 | 10.9 | 7.6 | 10.1 | 10.5 | 9.5 | 9.3 | 9.9 | 10.7 | 11.8 | 9.4 | 11.0 | 10.3 | 9.2 | 11.5 |
| MIN | 14.2 | 13.2 | 12.4 | 10.6 | 9.5 | 7.4 | 11.3 | 11.2 | 11.2 | 11.5 | 8.8 | 10.6 | 11.3 | 10.2 | 11.8 | 13.2 | 12.0 | 12.8 | 10.5 | 11.8 | 10.8 | 10.0 | 12.6 |
| DUR | 4 | 5 | 4 | 3 | 6 | 4 | 3 | 3 | 3 | 4 | 5 | 4 | 4 | 4 | 5 | 5 | 4 | 4 | 4 | 3 | 4 | 4 | 5 |
| TOT | | | | | | | | | | 1 | | | | | 2 | | | | | | | | |
| | | | | | | | | | (S) | | | | | | | | | | | | | | |
| 0- 1 | | | 6.0 | 4.0 | | | 8.0 | 6.0 | | 5.5 | | | | | | | 6.0 | | 5.0 | | | | |
| 1- 2 | | 10.5 | 10.0 | 6.0 | | | 7.5 | 4.5 | | | | | 1.5 | | | | | | | 5.0 | 9.0 | | |
| 2- 3 | | | | 8.5 | | | 7.0 | 3.5 | 7.5 | 11.0 | | | | | | 0.5 | 3.0 | | | | 7.5 | | |
| 3- 4 | | 1.5 | | 10.5 | | | 6.0 | | 6.0 | 4.5 | | | | | | | | | | 2.5 | 6.0 | 5.0 | |
| 4- 5 | | | | | 7.0 | 12.0 | 5.5 | | 5.0 | | | 3.0 | 0.5 | 12.5 | | | 0.5 | | 5.0 | 8.5 | 5.0 | 1.5 | |
| 5- 6 | | | | 1.5 | | 10.5 | 4.5 | 7.5 | 3.5 | 10.0 | 0.0 | | | | | 8.0 | 6.5 | | | | 3.5 | | |
| 6- 7 | | 8.0 | 1.5 | 4.0 | | 9.0 | 4.0 | 6.5 | | 4.0 | | | | | | | | | | 6.0 | 2.0 | | |
| 7- 8 | | | 5.5 | 6.0 | | 7.5 | 3.5 | 5.0 | | | | 0.5 | | | | | 4.0 | | | | 0.5 | | |
| 8- 9 | | | 9.5 | 8.0 | | 6.0 | 2.5 | 4.0 | | 9.0 | | | 3.5 | | | | | | 5.0 | 3.5 | | 7.0 | |
| 9-10 | | | | 10.0 | | 4.5 | 2.0 | 3.0 | 6.5 | 3.0 | | | | | | | 1.0 | | | | 9.0 | 3.0 | |
| 10-11 | | | | 12.5 | | 3.0 | | | 5.5 | | | | | | | | 7.5 | | | 1.0 | 7.5 | | 7.5 |
| 11-12 | | 5.5 | | 1.5 | | 1.5 | | | 4.0 | 8.0 | | | 2.0 | | | | | | | 7.5 | 6.5 | | |
| 12-13 | | | | 3.5 | | | | 7.0 | 3.0 | 2.0 | | 2.5 | | | | | 4.5 | | 5.0 | | 5.0 | | |
| 13-14 | | | 1.0 | 5.5 | 3.5 | | 11.0 | 5.5 | | | | | | | | | | | | 5.0 | 3.5 | | 3.5 |
| 14-15 | | 11.5 | 5.0 | 8.0 | | | 10.5 | 4.5 | | 7.5 | | | 0.5 | | | | 2.0 | | | | 2.0 | 5.0 | |
| 15-16 | | | 8.5 | 10.0 | | | 9.5 | 3.5 | 7.0 | | | 0.5 | | | | 7.0 | 8.0 | | | 2.0 | 0.5 | 1.0 | |
| 16-17 | | 2.5 | | 12.0 | | | 9.0 | | 6.0 | | | | | | 3.5 | | | | 5.0 | 8.5 | | | |
| 17-18 | | | | 1.0 | | | 8.5 | | 4.5 | 6.5 | | | | | | | 5.5 | 8.0 | | | 9.0 | | |
| 18-19 | 12.5 | | | 3.5 | | | 7.5 | 7.5 | 3.5 | | | | | | | | | 7.5 | | 6.0 | 7.5 | | |
| 19-20 | 12.0 | 9.0 | | 5.5 | | 11.5 | 7.0 | 6.0 | | | | | | | | | 2.5 | 6.5 | | | 6.5 | 6.5 | |
| 20-21 | 11.5 | | 0.5 | 7.5 | | 10.0 | 6.5 | 5.0 | | 5.5 | | 2.5 | | | | | 8.5 | 6.0 | 5.0 | 3.5 | 5.0 | 3.0 | |
| 21-22 | 11.5 | 0.0 | 4.0 | 10.0 | | 8.5 | 5.5 | 4.0 | 7.5 | | | | 2.0 | | | | | 5.0 | | | 3.5 | | |
| 22-23 | 11.0 | | 8.0 | 12.0 | 0.0 | 7.0 | 5.0 | | 6.5 | 11.0 | | | | | | | 6.0 | 4.5 | | 1.0 | 2.0 | | |
| 23-24 | 10.5 | | 12.0 | 1.0 | | 5.5 | 4.5 | | 5.0 | 4.5 | | 0.0 | | | | | | 3.5 | | 7.0 | 0.5 | | |
| 24-25 | 10.5 | 6.5 | | 3.0 | | 4.0 | 3.5 | | 4.0 | | | | 1.0 | | | | 3.0 | 3.0 | 5.0 | | | | |
| 25-26 | 10.0 | | | 5.5 | | 2.5 | 3.0 | 6.5 | 3.0 | 10.0 | | | | | 7.0 | 6.0 | | 2.0 | | 4.5 | 9.0 | 4.5 | |
| 26-27 | 9.5 | | | 7.5 | 10.5 | 0.5 | 2.5 | 5.5 | | 4.0 | | | | | | | 0.5 | 1.5 | | | 8.0 | 0.5 | |
| 27-28 | 9.5 | | | 9.5 | | | | 4.5 | | | | | | | | | 6.5 | 1.0 | | 2.0 | 6.5 | | 8.0 |
| 28-29 | 9.0 | | 3.5 | 11.5 | | | | 3.0 | 7.0 | 9.0 | | 2.0 | | | | | | 0.0 | 5.0 | 8.5 | 5.0 | | |
| 29-30 | 8.5 | 4.0 | 7.5 | 1.0 | | | | | 5.5 | 3.0 | | | | | | | 4.0 | | | | 3.5 | | |
| 30-31 | 8.5 | | 11.5 | 3.0 | | | | | 4.5 | | | | | | | | | | | 5.5 | 2.0 | 6.0 | 4.5 |

MAS Eclipsing Binary Ephemeris for October 2026 all times in U.T.



| | V346 CYG | V387 CYG | V388 CYG | V401 CYG | V456 CYG | V466 CYG | V466 CYG | V477 CYG | V477 CYG | V548 CYG | V704 CYG | 1034 CYG | W DEL | TT DEL | TY DEL | YY DEL | FZ DEL | Z DRA | RZ DRA | TW DRA | UZ DRA | UZ DRA | AI DRA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MAX | 11.8 | 11.5 | 9.7 | 10.8 | 10.8 | 10.8 | 10.8 | 8.3 | 8.3 | 8.9 | 13.8 | 9.6 | 9.4 | 10.6 | 9.6 | 11.0 | 10.2 | 10.8 | 10.0 | 7.8 | 9.9 | 9.9 | 7.2 |
| MIN | 13.6 | 12.3 | 10.3 | 11.6 | 11.9 | 11.6 | 11.6 | 9.2 | 8.7 | 9.7 | 14.6 | 10.6 | 12.7 | 12.5 | 10.8 | 12.0 | 11.3 | 13.6 | 10.9 | 9.5 | 10.7 | 10.7 | 8.2 |
| DUR | 5 | 3 | 3 | 4 | 3 | 4 | 4 | 4 | 4 | 5 | 4 | 4 | 7 | 5 | 4 | 4 | 3 | 4 | 3 | 5 | 5 | 5 | 4 |
| TOT | | | | | | | | | | | | | 2 | | | | | | | 1 | | | |
| | | | | | | | (S) | | (S) | | | | | | | | | | | | | (S) | |
| 0- 1 | 5.5 | | | 5.0 | 4.5 | 7.0 | | | | | 10.0 | 1.5 | | | | | | 5.5 | 6.5 | | | | 4.0 |
| 1- 2 | | 5.0 | | | 2.0 | | | | | 2.0 | | 1.0 | | | | 3.5 | | | 9.0 | | | 8.0 | |
| 2- 3 | | | 5.0 | | | | | | | | 3.0 | 0.5 | | | | | 3.5 | | | 8.5 | | | |
| 3- 4 | | 3.0 | 2.0 | 3.0 | | 1.5 | | 1.0 | | | 6.5 | | 6.5 | | | | | | 0.5 | | | | |
| 4- 5 | | | | | | | | | | | 10.0 | | | | | | | 7.0 | 3.0 | | | | |
| 5- 6 | | 1.0 | | | | | 3.5 | | | | | | | | 2.0 | 3.0 | 6.5 | | 5.5 | 4.0 | | | |
| 6- 7 | | 8.0 | | 1.0 | | | | | 2.5 | | 3.0 | | | | 6.5 | | 1.5 | | 8.0 | | 5.5 | | 3.5 |
| 7- 8 | | | | 5.0 | 7.5 | 6.0 | | | | | 6.5 | | | | | | | 0.5 | | | | | |
| 8- 9 | | 6.0 | 5.5 | | 5.0 | | | | | 7.5 | 10.0 | | 2.0 | | | 7.0 | | 9.0 | | | | | |
| 9-10 | | | 2.0 | | 2.5 | | | | | | | | | | | 2.0 | 4.5 | | 2.0 | | 12.0 | | |
| 10-11 | | 4.0 | | 3.0 | | 0.5 | | 2.0 | | 2.5 | 3.0 | | | | | | | | 4.5 | | | | |
| 11-12 | 5.0 | | | 7.0 | | | | | | | 6.5 | | | | 1.0 | | | 2.0 | 7.0 | | | 3.0 | |
| 12-13 | | 2.5 | | | | | 2.5 | | | | 9.5 | | | | 5.5 | 6.0 | | 10.5 | | | | | 3.5 |
| 13-14 | | 9.0 | | 1.0 | | | | | 3.5 | | | | | 6.0 | | 1.0 | 2.5 | | | | | | |
| 14-15 | | 0.5 | 6.0 | 4.5 | | 5.0 | | | | | 3.0 | | | | | | | | 1.0 | | | 9.0 | |
| 15-16 | | 7.0 | 2.5 | | 8.0 | | | | | | 6.0 | | | | | | | 4.0 | 3.5 | | | | |
| 16-17 | | | | | 5.5 | | 7.0 | | | | 9.5 | | | 2.5 | | 5.0 | 6.0 | 12.5 | 6.0 | 9.5 | 0.5 | | |
| 17-18 | | 5.5 | | 2.5 | 3.0 | | | 3.0 | | 8.0 | | | | | | 0.5 | 0.5 | | 8.5 | | | | |
| 18-19 | | | | 6.5 | 0.5 | | | | | | 2.5 | | | | 4.5 | | | | | | | | 3.5 |
| 19-20 | | 3.5 | | | | | 1.5 | | | 3.0 | 6.0 | | | | | | | 5.5 | 0.0 | 4.5 | 6.5 | | |
| 20-21 | | | 6.0 | 0.5 | | | | | 4.0 | | 9.5 | | | | | 4.5 | 4.0 | | 2.5 | | | | |
| 21-22 | | 1.5 | 3.0 | 4.5 | | 4.0 | | | | | | | | | | | | | 5.0 | | | | |
| 22-23 | 4.0 | 8.5 | | | | | | | | | 2.5 | | | | | | | | 7.5 | | | | |
| 23-24 | | | | | | | 6.0 | | | | 6.0 | | | | | | 7.0 | 7.5 | | | | | |
| 24-25 | | 6.5 | | 2.5 | 6.0 | | | 4.0 | | | 9.5 | | | | 3.5 | 3.5 | 2.0 | | | | | 4.0 | 3.0 |
| 25-26 | | | | 6.5 | 3.5 | | | | | | | | | | | | | | 1.5 | | | | |
| 26-27 | | 4.5 | 6.5 | | 1.0 | | 0.5 | | | 8.5 | 2.5 | | | | | | | 0.5 | 4.0 | | | | |
| 27-28 | | | 3.0 | 0.5 | | | | | 5.0 | | 6.0 | | 7.5 | | | | 5.0 | 9.0 | 6.5 | | | 10.5 | |
| 28-29 | | 2.5 | | 4.5 | | 3.0 | | | | 4.0 | 9.0 | | | | | 3.0 | | | 9.0 | | | | |
| 29-30 | | | | | | | | | | | | | | | | | | | | | 1.5 | | |
| 30-31 | | 1.0 | | | | | 5.0 | | | | 2.5 | | | | 2.5 | | | 2.0 | 0.5 | 10.0 | | | 3.0 |

| | BH DRA | S EQU | TZ ERI | YY ERI | YY ERI | RW GEM | SX GEM | TX GEM | WW GEM | AF GEM | AL GEM | RX HER | SZ HER | TT HER | TU HER | UX HER | CC HER | CT HER | DI HER | DI HER | HS HER | HS HER | LT HER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MAX | 8.0 | 8.0 | 9.8 | 8.4 | 8.4 | 9.6 | 10.8 | 10.0 | 9.8 | 10.2 | 9.3 | 7.1 | 10.2 | 9.7 | 10.6 | 8.9 | 9.5 | 9.9 | 8.4 | 8.4 | 8.5 | 8.5 | 10.7 |
| MIN | 8.6 | 10.0 | 12.6 | 9.1 | 9.1 | 11.6 | 11.7 | 11.9 | 10.5 | 11.3 | 10.0 | 7.7 | 12.0 | 10.4 | 13.4 | 9.8 | 12.8 | 11.2 | 9.1 | 9.1 | 9.0 | 9.0 | 11.1 |
| DUR | 5 | 5 | 4 | 3 | 3 | 5 | 5 | 6 | 4 | 4 | 4 | 5 | 4 | 4 | 5 | 5 | 4 | 4 | 6 | 6 | 4 | 4 | 4 |
| TOT | | | 1 | | | 1 | | | | | | | | | 1 | | | | | | | | |
| | | | | | (S) | | | | | | | | | | | | | | | (S) | | (S) | |
| 0- 1 | | | | 7.0 | | | | | | | | 0.5 | 1.0 | | | 4.0 | | | | | | 1.0 | 0.0 |
| 1- 2 | | | | 6.0 | | | | | | | | | | | | | | 2.5 | | | | | 2.0 |
| 2- 3 | | 5.0 | | 5.5 | | | 10.0 | | | | 5.5 | | | 3.0 | | | | | | | | | |
| 3- 4 | 8.0 | | | 4.5 | | | | | | | | | | 1.0 | 1.5 | | | | | | | | |
| 4- 5 | | | | | 7.5 | | | | 8.0 | 7.0 | | | 3.5 | | | | | | 2.5 | | 2.5 | | |
| 5- 6 | 3.5 | | | | 6.5 | | | | | | | | | | | | 2.0 | | | | | | |
| 6- 7 | | | | | 6.0 | | 12.5 | | | | 10.0 | | | | | | | | | | | | |
| 7- 8 | | | | | 5.0 | | | | | | | 3.5 | | | | | | | | | | | |
| 8- 9 | | | | | | | | | | | | | | | | | | | | | | 5.5 | |
| 9-10 | | 2.0 | | 7.0 | | | 6.0 | | 7.0 | 6.5 | | | 1.0 | | | | | | | | 0.5 | | |
| 10-11 | | | | 6.0 | | | | 11.5 | | 12.5 | | | | | | | | 1.0 | | | | | |
| 11-12 | | | | 5.5 | | | | | | | | | | | | | | | | | | | |
| 12-13 | | | 9.5 | 4.5 | | | | | | | | | | | 3.5 | | 0.5 | | | 5.5 | | | |
| 13-14 | | | | | 7.5 | | 8.5 | 6.5 | | | 9.0 | | 3.5 | 2.0 | | | | | | | | 3.5 | 0.0 |
| 14-15 | 5.5 | | | | 6.5 | | | | 6.0 | 6.0 | | | | | | 2.5 | | | | | | | 2.0 |
| 15-16 | | | | | 6.0 | | | | 11.5 | 11.5 | | | | | | | | | | | | | |
| 16-17 | 1.5 | | | | 5.0 | 11.0 | | | | | | 1.0 | | | | | | | | | | | |
| 17-18 | | | | | | | 11.0 | | | | | | | | | 4.5 | | | | | 5.0 | | |
| 18-19 | | | | 7.0 | | | | | | | | | 1.0 | | | | | | | | | 1.5 | |
| 19-20 | | | | 6.5 | | 8.0 | | | 4.5 | | | | | | | | | | | | | | |
| 20-21 | | | 5.0 | 5.5 | | | | | 10.5 | 11.0 | 7.5 | | | | | | | | | | | | |
| 21-22 | | | | 4.5 | | | | | | | | | | | | | | | | | | | |
| 22-23 | | | | | 7.5 | 4.5 | | | | | | | 3.5 | | | | | | | | 3.0 | | |
| 23-24 | 8.0 | | | | 6.5 | | | | | | | 3.5 | | 2.5 | | | | | | | | | |
| 24-25 | | | | | 6.0 | | 7.0 | 11.5 | | | 12.0 | | | 0.5 | | | | | | | | | |
| 25-26 | 3.5 | | 10.0 | | 5.0 | | | | 9.0 | 10.5 | | | | | | | | | 5.0 | | | | |
| 26-27 | | 6.0 | | | | | | | | | | | | | | | | 3.0 | | | | 6.0 | 0.5 |
| 27-28 | | | | 7.0 | | | | 6.5 | | | 6.5 | | 1.0 | | | | | | | | 0.5 | | 2.5 |
| 28-29 | | | | 6.5 | | | 9.0 | | | | | | | | 0.0 | 1.0 | | | | | | | |
| 29-30 | | | | 5.5 | | | | | | | | | | | | | | | | | | | |
| 30-31 | | | | 4.5 | | | | | 8.0 | 10.0 | | | | | | | | | | | | | |

| | V728 HER | 68 HER | WY HYA | WY HYA | AV HYA | DI HYA | DK HYA | V470 HYA | V470 HYA | SW LAC | SW LAC | VX LAC | AR LAC | AW LAC | CM LAC | CO LAC | CO LAC | DG LAC | GX LAC | MZ LAC | MZ LAC | Y LEO | UU LEO |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MAX | 10.9 | 4.7 | 10.3 | 10.3 | 10.2 | 11.0 | 10.5 | 13.0 | 13.0 | 9.2 | 9.2 | 10.9 | 7.3 | 10.6 | 8.5 | 10.5 | 10.5 | 10.8 | 10.1 | 11.2 | 11.2 | 9.5 | 11.4 |
| MIN | 11.5 | 5.4 | 11.1 | 11.1 | 10.6 | 12.0 | 11.0 | 13.5 | 13.5 | 10.0 | 10.0 | 12.3 | 8.2 | 11.3 | 9.5 | 11.0 | 11.0 | 12.0 | 10.4 | 12.1 | 12.1 | 12.7 | 12.7 |
| DUR | 3 | 5 | 3 | 3 | 4 | 4 | 4 | 3 | 3 | 3 | 3 | 4 | 6 | 5 | 4 | 5 | 5 | 4 | 6 | 4 | 4 | 5 | 4 |
| TOT | | | | | | | | | | | | | 2 | | | | | | | | | | |
| | | | | (S) | | | | | (S) | | (S) | | | | | | (S) | | | | (S) | | |
| 0- 1 | | | | | | | 12.0 | 9.0 | | 7.0 | 3.0 | 5.5 | 1.0 | 0.5 | | 2.0 | | | | | | | 11.0 |
| 1- 2 | | | 9.0 | | | | | | 9.0 | 6.0 | 2.5 | 7.5 | | 3.5 | | | | | | | 6.5 | | |
| 2- 3 | | | | 11.0 | | | | 8.5 | | 5.0 | 1.5 | 9.0 | 1.0 | 7.0 | | | 9.0 | | | | | | |
| 3- 4 | 5.0 | | | | | | | | 8.5 | 4.5 | 0.5 | | | 10.5 | | 4.0 | | | | | | | |
| 4- 5 | 3.5 | 0.5 | | | 10.0 | | | 8.0 | | 3.5 | 7.5 | | 0.5 | | 1.5 | | | | | | 10.5 | | |
| 5- 6 | 2.0 | | | | | 11.0 | | | | 2.5 | 6.5 | | | | | | 11.0 | | | | | | 12.0 |
| 6- 7 | 0.5 | 1.5 | 9.5 | | 11.0 | | | | | 1.5 | 5.5 | | | | | 6.5 | | 4.0 | | 1.5 | | | |
| 7- 8 | | | | 11.0 | | | | | | 0.5 | 4.5 | | | | 6.5 | | 0.0 | | | | | | |
| 8- 9 | | 3.0 | | | 12.5 | | | | | 7.5 | 3.5 | | | 0.5 | | | | 9.0 | | | | | |
| 9-10 | | | | | | | | | | 6.5 | 2.5 | | | 3.5 | | 8.5 | | | | 5.5 | | | |
| 10-11 | | 4.0 | | 8.0 | | | | | | 5.5 | 2.0 | | | 7.0 | | | 2.0 | | | | | | |
| 11-12 | 5.0 | | 9.5 | | | | 11.0 | | | 5.0 | 1.0 | | | 10.5 | | | | | | | | | |
| 12-13 | 3.5 | | | 11.5 | | | 12.5 | | | 4.0 | 0.0 | 1.0 | | | 2.5 | 10.5 | | | | 9.5 | | | |
| 13-14 | 2.5 | | | | | 10.5 | | | | 3.0 | 7.0 | 3.0 | | | | | 4.5 | | | | | 8.5 | |
| 14-15 | 1.0 | | | | | | | | | 2.0 | 6.0 | 4.5 | | | | | | | | | | | |
| 15-16 | | | | 8.0 | | | | | | 1.0 | 5.0 | 6.5 | | | 7.5 | 12.5 | | 0.0 | | | | | |
| 16-17 | | | 10.0 | | | 12.5 | | | | 0.0 | 4.0 | 8.5 | | 0.5 | | | 6.5 | | | | | | |
| 17-18 | | | | 11.5 | 9.5 | | | 9.0 | | 7.0 | 3.0 | 10.0 | | 3.5 | | 1.5 | | 5.0 | 7.0 | | 1.5 | | |
| 18-19 | | | | | | | | | 9.0 | 6.0 | 2.5 | | | 7.0 | | | | | | | | 10.0 | |
| 19-20 | 5.5 | | | | 11.0 | | | 8.5 | | 5.0 | 1.5 | | | 10.5 | | | 8.5 | 10.0 | | | | | |
| 20-21 | 4.0 | | | 8.5 | | | | | 8.5 | 4.5 | 0.5 | | | | 3.0 | 3.5 | | | | | 5.5 | | |
| 21-22 | 2.5 | | 10.0 | | 12.0 | 10.5 | | 8.0 | | 3.5 | 7.0 | | | | | | | | | | | | |
| 22-23 | 1.0 | | | 12.0 | | | | | | 2.5 | 6.5 | | | | | | 10.5 | | | | | | |
| 23-24 | | | | | | | 11.5 | | | 1.5 | 5.5 | | | | 8.0 | 5.5 | | | | | 9.0 | 11.0 | |
| 24-25 | | | | | | 12.0 | 12.5 | | | 0.5 | 4.5 | | | 0.5 | | | | | | | | | |
| 25-26 | | | | 9.0 | | | | | | 7.5 | 3.5 | | | 3.5 | | | 12.5 | | | 0.5 | | | |
| 26-27 | | | 10.5 | | | | | | | 6.5 | 2.5 | 0.5 | | 7.0 | | 7.5 | | 1.0 | | | | | |
| 27-28 | 5.5 | | | 12.5 | | | | | | 5.5 | 2.0 | 2.0 | | 10.5 | | | 1.5 | | | | | | |
| 28-29 | 4.5 | | | | | | | | | 4.5 | 1.0 | 4.0 | | | 3.5 | | | 5.5 | | 4.5 | | | |
| 29-30 | 3.0 | | | | | 10.0 | | | | 4.0 | 7.5 | 5.5 | | | | 9.5 | | | | | | | |
| 30-31 | 1.5 | | | 9.0 | 9.0 | | | | | 3.0 | 6.5 | 7.5 | | | | | 3.5 | 10.5 | 0.0 | | | | |

| | UV LEO | VZ LEO | WZ LEO | XZ LEO | Z LEP | RR LEP | RY LYN | UZ LYR | EW LYR | FL LYR | RU MON | RU MON | RW MON | AT MON | BB MON | BO MON | EP MON | SX OPH | V501 OPH | V508 OPH | V839 OPH | 1010 OPH | 1010 OPH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MAX | 9.5 | 10.6 | 11.3 | 10.6 | 11.0 | 10.2 | 11.9 | 9.8 | 11.2 | 8.7 | 10.6 | 10.6 | 9.1 | 10.6 | 10.6 | 10.8 | 10.5 | 10.5 | 10.9 | 10.1 | 8.8 | 6.2 | 6.2 |
| MIN | 10.2 | 11.7 | 12.0 | 11.2 | 12.5 | 10.9 | 13.3 | 11.0 | 13.6 | 9.5 | 11.3 | 11.3 | 11.9 | 11.4 | 11.3 | 12.1 | 11.1 | 11.2 | 11.8 | 10.7 | 9.4 | 7.0 | 7.0 |
| DUR | 3 | 4 | 5 | 3 | 4 | 4 | 4 | 5 | 5 | 4 | 5 | 5 | 5 | 5 | 4 | 5 | 5 | 5 | 4 | 3 | 3 | 4 | 4 |
| TOT | | | | | | | | | | | | | 1 | | | 1 | | | | | | | |
| | | | | | | | | | | | | (S) | | | | | | | | | | | (S) |
| 0- 1 | | | | | 6.0 | 9.5 | | 3.5 | | | | | 9.5 | | | | | | | 3.5 | 0.5 | | 1.0 |
| 1- 2 | 12.0 | | | | 5.5 | 7.5 | | | | | | | | 10.0 | | | | | 4.0 | 4.5 | | 0.5 | |
| 2- 3 | | | | | | 5.5 | 10.5 | 1.0 | | 0.5 | | 8.5 | 7.0 | | 11.0 | | | | 3.5 | | 1.5 | | 0.5 |
| 3- 4 | | | | | | | | | | | | | | 11.0 | | | 8.0 | | 2.5 | | | 0.0 | |
| 4- 5 | 12.5 | | | | | | | | | 5.0 | | | | | | | 11.5 | | 2.0 | | 2.5 | | 0.0 |
| 5- 6 | | | 12.0 | | | | 7.5 | | | | | | | 11.5 | 9.5 | | | | 1.0 | | | | |
| 6- 7 | | 9.5 | | | | | | | | | | | | | | | | | 0.5 | 0.0 | 3.5 | | |
| 7- 8 | 12.5 | 11.5 | | | | | | | 6.5 | | | | | 12.5 | | | | | | 1.0 | | | |
| 8- 9 | | | | | | | | | | | 10.0 | | | | 8.0 | | | | | 2.0 | | | |
| 9-10 | | | | | | | | | 5.0 | | | | | | | | | | | 2.5 | 0.5 | | |
| 10-11 | 12.5 | | | | | 11.5 | | | | | | | | | | 11.0 | | | | 3.5 | | | |
| 11-12 | | | | | | 9.5 | | | 4.0 | | | | | | | | 9.0 | | | 4.5 | 1.5 | | |
| 12-13 | | | | | | 7.5 | 11.5 | | | | | | | | | | 12.5 | | | | | | |
| 13-14 | 12.5 | | | | | | | | 2.5 | | | | | | 11.0 | | | | | | 2.5 | | |
| 14-15 | | | | 11.5 | | | | | | | | | | | | | | | | | | | |
| 15-16 | | | 8.5 | 11.0 | | | 8.5 | 6.5 | 1.5 | 2.0 | | | | | | | | | | | 3.5 | | |
| 16-17 | 12.5 | | | 10.5 | | | | | | | | | | | 9.0 | | | | | 0.0 | | | |
| 17-18 | | | | 10.0 | | | | 4.0 | 0.5 | 6.5 | | | | | | | | | | 1.0 | | | |
| 18-19 | | 9.0 | | 9.5 | | | | | | | | | | | | | | 1.5 | | 2.0 | 0.5 | | |
| 19-20 | 12.5 | 11.5 | | | | | | 1.5 | | | | | 11.0 | | 7.5 | 8.5 | 9.5 | | | 2.5 | | | |
| 20-21 | | | | | | | | | | | | | | | | | | | | 3.5 | 1.5 | | |
| 21-22 | | | | | | 11.0 | | | | | | | 8.5 | | 12.5 | | | | | 4.5 | | | |
| 22-23 | 12.5 | | 9.5 | | | 9.0 | | | | | | | | | | | | | | | 2.5 | | |
| 23-24 | | | | | | 7.0 | | | | | | | 6.5 | | | | | | | | | | |
| 24-25 | | | | | | | | | | | | | | | 10.5 | | | | | | 3.5 | | |
| 25-26 | 12.5 | | | | | | 9.5 | | | | | | | | | | | | | | | | |
| 26-27 | | | | | | | | | | | 8.0 | | | | | | 7.0 | | | 0.0 | | | |
| 27-28 | | | | | | | | | | | | 10.5 | | | 9.0 | | 10.5 | | | 1.0 | 0.0 | | |
| 28-29 | 12.5 | | | | | | 6.5 | | | 4.0 | | | | | | | | | | 2.0 | | | |
| 29-30 | | | 10.5 | | | | | | | | | | | | | | | | | 2.5 | 1.5 | | |
| 30-31 | | 9.0 | | | | | | | | | | | | | 7.5 | 11.5 | | | | 3.5 | | | |

| | EF ORI | EF ORI | EQ ORI | ER ORI | ER ORI | ET ORI | FH ORI | FL ORI | FR ORI | FT ORI | FT ORI | FZ ORI | FZ ORI | GU ORI | GU ORI | U PEG | U PEG | TY PEG | UX PEG | AQ PEG | AQ PEG | AQ PEG | BB PEG |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MAX | 12.6 | 12.6 | 10.3 | 9.5 | 9.5 | 11.2 | 10.5 | 10.5 | 11.0 | 9.1 | 9.1 | 10.7 | 10.7 | 12.6 | 12.6 | 9.7 | 9.7 | 10.5 | 10.7 | 10.3 | 10.3 | 10.3 | 10.6 |
| MIN | 14.1 | 12.8 | 13.3 | 10.2 | 10.2 | 12.4 | 11.5 | 13.2 | 11.9 | 9.7 | 9.7 | 11.3 | 11.3 | 13.5 | 13.5 | 10.5 | 10.5 | 12.6 | 12.0 | 13.0 | 13.0 | 13.0 | 11.2 |
| DUR | 6 | 6 | 4 | 3 | 3 | 5 | 5 | 3 | 4 | 4 | 4 | 3 | 3 | 4 | 4 | 3 | 3 | 6 | 5 | 12 | 12 | 12 | 3 |
| TOT | | | | | | | | | | | | | | | | | | | | 4 | 4 | 4 | |
| | | (S) | | | (S) | | | | | | (S) | | (S) | | (S) | | (S) | | | (2) | | (3) | |
| 0- 1 | | | | | 8.5 | | | 6.0 | | | 10.5 | | 8.5 | 8.0 | | 0.0 | 4.5 | | | | | | 8.5 |
| 1- 2 | 9.0 | | | 10.0 | | | | | | | | 8.5 | | 6.5 | | 3.0 | 7.5 | | | | | | 1.5 |
| 2- 3 | | | | 6.5 | | | | | | | | | 8.5 | | 10.5 | 6.0 | 1.5 | | | | | | 4.0 |
| 3- 4 | | | | | 7.5 | | | 8.5 | | | | 8.5 | | | 9.0 | 0.0 | 4.5 | 1.0 | | | | | 6.0 |
| 4- 5 | | | 11.5 | 9.0 | | | 5.0 | | | | | | 8.5 | | 8.0 | 3.0 | 7.5 | | | | | | 8.0 |
| 5- 6 | | 10.0 | | 5.5 | | | | | 10.5 | | | 8.5 | | | 6.5 | 6.0 | 1.5 | | 0.5 | | | | 1.0 |
| 6- 7 | 5.5 | | 5.5 | | 7.0 | | 8.5 | 11.0 | 7.5 | | | | 8.5 | 10.5 | | 0.0 | 4.5 | 3.0 | | | | | 3.0 |
| 7- 8 | | | | 8.0 | | | | | | | | 8.5 | | 9.0 | | 3.0 | 7.5 | | | | | | 5.0 |
| 8- 9 | | | | | 9.5 | | 12.0 | | | | | | 8.5 | 8.0 | | 6.0 | 1.5 | | 3.0 | | | | 7.5 |
| 9-10 | 11.0 | | | | 6.0 | 12.0 | | | | | | 8.5 | | 6.5 | | 0.0 | 4.5 | 5.5 | | | | | 0.5 |
| 10-11 | | 6.5 | | 7.5 | | 11.0 | | | | | | | 8.5 | | 10.5 | 3.0 | 7.5 | | | | | | 2.5 |
| 11-12 | | | 11.5 | | 9.0 | 10.0 | | | | | | 8.5 | | | 9.0 | 6.0 | 1.5 | | 5.0 | | | 2.0 | 4.5 |
| 12-13 | | | | 10.0 | | 8.5 | | | 12.0 | | | | 8.5 | | 8.0 | 9.0 | 4.5 | 7.5 | | | | | 6.5 |
| 13-14 | | 12.5 | 5.0 | 6.5 | | 7.5 | | | 9.5 | | | 8.5 | | | 6.5 | 3.0 | 7.5 | | | | | | 0.0 |
| 14-15 | 7.5 | | | | 8.0 | 6.0 | | 5.0 | 6.5 | | | | 8.5 | 10.5 | | 6.0 | 1.5 | | 7.0 | | | | 2.0 |
| 15-16 | | | | 9.5 | | 5.0 | | | | | | 8.5 | | 9.5 | | 9.0 | 4.5 | 10.0 | | | | | 4.0 |
| 16-17 | | | | 5.5 | | | | | | | | | 8.5 | 8.0 | | 3.0 | 7.5 | | | | | | 6.0 |
| 17-18 | | | | | 7.0 | | | 7.5 | | 7.0 | | 8.5 | | 6.5 | | 6.0 | 1.5 | | 9.0 | | | | 8.0 |
| 18-19 | | 9.0 | 11.0 | 8.5 | | | | | | | | | 8.5 | | 10.5 | 9.0 | 4.5 | | | | | | 1.5 |
| 19-20 | | | | | 10.0 | | 6.5 | | | | 8.0 | 8.5 | | | 9.5 | 3.0 | 7.5 | | | | | | 3.5 |
| 20-21 | | | | | 6.0 | | | 10.0 | 11.0 | 10.5 | | | 8.5 | | 8.0 | 6.0 | 1.5 | | | | | | 5.5 |
| 21-22 | | | | 7.5 | | | 10.0 | | 8.0 | | | 8.5 | | | 6.5 | 9.0 | 4.5 | | | | | | 7.5 |
| 22-23 | 10.0 | | | | 9.0 | | | | 5.0 | | 11.5 | | 8.5 | 10.5 | | 3.0 | 7.5 | | 0.5 | 0.5 | 2.5 | 4.5 | 1.0 |
| 23-24 | | 5.5 | | | | | | 12.5 | | | | 8.5 | | 9.5 | | 6.0 | 1.5 | | | | | | 3.0 |
| 24-25 | | | | 6.5 | | | | | | | | | 8.5 | 8.0 | | 9.0 | 4.5 | | | | | | 5.0 |
| 25-26 | | | 10.5 | | 8.0 | | | | | | | 8.5 | | 6.5 | | 3.0 | 7.5 | | 2.5 | | | | 7.0 |
| 26-27 | | 11.5 | | 9.5 | | | | | | | | | 8.5 | | 10.5 | 6.0 | 1.5 | | | | | | 0.5 |
| 27-28 | 6.5 | | | 6.0 | | | | | 12.5 | | | 8.5 | | | 9.5 | 9.0 | 4.5 | | | | | | 2.5 |
| 28-29 | | | | | 7.0 | | | | 9.5 | | | | 8.5 | | 8.0 | 2.5 | 7.0 | | 4.5 | | | | 4.5 |
| 29-30 | | | | 8.5 | | 11.5 | | | 7.0 | | | 8.5 | | | 6.5 | 5.5 | 1.0 | | | | | | 6.5 |
| 30-31 | 12.5 | | | | 10.0 | 10.0 | | | | | | | 8.5 | 10.5 | | 8.5 | 4.0 | | | | | | 8.5 |

| | BB PEG | BG PEG | BX PEG | BX PEG | DI PEG | GP PEG | KW PEG | KW PEG | Z PER | RT PER | RV PER | ST PER | XZ PER | IQ PER | IQ PER | IT PER | IU PER | KW PER | V432 PER | BETA PER | AE PHE | AE PHE | Y PSC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MAX | 10.6 | 10.5 | 10.9 | 10.9 | 9.6 | 10.2 | 12.1 | 12.1 | 9.9 | 10.6 | 10.3 | 9.7 | 10.6 | 7.7 | 7.7 | 9.9 | 10.5 | 10.5 | 11.0 | 2.2 | 7.5 | 7.5 | 9.0 |
| MIN | 11.2 | 11.8 | 11.5 | 11.5 | 10.8 | 11.0 | 12.4 | 12.4 | 12.4 | 12.0 | 12.7 | 13.2 | 12.7 | 8.3 | 7.9 | 10.5 | 11.6 | 11.5 | 11.7 | 3.5 | 8.2 | 8.2 | 12.0 |
| DUR | 3 | 4 | 3 | 3 | 2 | 4 | 3 | 3 | 6 | 4 | 8 | 5 | 4 | 5 | 5 | 4 | 5 | 4 | 3 | 8 | 2 | 2 | 7 |
| TOT | | 1 | | | | | | | 2 | | | 1 | | | | | | | | | | | |
| | (S) | | | | | | | (S) | | | | | | | (S) | | | | | | | (S) | |
| 0- 1 | 4.0 | | 3.0 | 6.5 | 9.5 | 0.5 | | | | 4.0 | | | | 1.0 | | | 5.0 | | 2.5 | | | 6.0 | |
| 1- 2 | 6.0 | 1.0 | 6.0 | 2.5 | 2.5 | 0.0 | 5.0 | | | 0.5 | | | | | | | 1.5 | | 6.0 | | 3.5 | 8.0 | 8.5 |
| 2- 3 | 8.0 | | 2.0 | 5.5 | | | 0.5 | | | | | 4.5 | | | | 2.0 | | | 0.5 | | 5.5 | | |
| 3- 4 | 1.5 | | 5.0 | 1.5 | 6.0 | | | 6.0 | | | | | | | | | | | 4.0 | | 8.0 | 3.5 | |
| 4- 5 | 3.5 | | 1.0 | 4.5 | | | | 1.5 | | 10.0 | | | 1.5 | | 7.5 | | 12.0 | | 7.5 | | | 5.5 | |
| 5- 6 | 5.5 | | 4.0 | 0.5 | 9.0 | | 7.0 | | | 6.5 | | | 5.0 | 6.5 | | 4.0 | 8.5 | | 2.0 | | | 7.5 | 3.0 |
| 6- 7 | 7.5 | | 0.0 | 3.5 | 2.5 | | 2.5 | | | 2.5 | | | 8.5 | | 1.5 | | 5.0 | 12.5 | 5.5 | | 5.5 | | |
| 7- 8 | 1.0 | | 3.0 | 6.5 | | | | 8.0 | | | | 11.5 | 12.5 | | | | 1.5 | 10.5 | 9.0 | | 7.5 | | |
| 8- 9 | 3.0 | | 6.0 | 2.5 | 5.5 | | | 3.5 | | | | | | | | 5.5 | | 9.0 | 3.5 | 11.5 | | 5.0 | |
| 9-10 | 5.0 | | 2.5 | 5.5 | | | 8.5 | | | 12.0 | 12.0 | | | | | | | 7.5 | 7.0 | | | 7.5 | |
| 10-11 | 7.0 | | 5.0 | 2.0 | 9.0 | | 4.5 | | | 8.5 | | 3.0 | | 12.0 | | | 12.0 | 5.5 | 1.5 | | 5.0 | | |
| 11-12 | 0.5 | | 1.5 | 4.5 | 2.0 | | | | | 5.0 | 11.5 | | | | 7.0 | 7.0 | 8.5 | 4.0 | 5.0 | 8.5 | 7.0 | | |
| 12-13 | 2.5 | | 4.5 | 1.0 | | | | 5.5 | | 1.5 | | | 3.0 | 6.0 | | | 5.0 | 2.5 | 8.5 | | | 5.0 | |
| 13-14 | 4.5 | | 0.5 | 4.0 | 5.0 | | | 1.0 | | | 11.0 | | 6.5 | | 1.0 | | 1.5 | 1.0 | 3.0 | | | 7.0 | |
| 14-15 | 6.5 | | 3.5 | 0.0 | | | 6.5 | | | | | | 10.0 | | | 8.5 | | | 6.5 | 5.0 | 4.5 | | |
| 15-16 | 8.5 | | 6.5 | 3.0 | 8.5 | | 2.0 | | | 11.0 | 10.0 | 10.0 | | | | | | | 1.0 | | 7.0 | | |
| 16-17 | 2.0 | | 2.5 | 6.0 | 1.5 | | | 7.5 | | 7.5 | | | | | | | 12.0 | | 4.5 | | | 4.5 | |
| 17-18 | 4.0 | | 5.5 | 2.0 | | | | 3.0 | 0.5 | 3.5 | 9.5 | | | 11.5 | | 10.5 | 8.5 | | 8.5 | 2.0 | | 6.5 | |
| 18-19 | 6.0 | | 1.5 | 5.0 | 4.5 | | 8.5 | | | | | 1.5 | | | 6.5 | | 5.0 | | 2.5 | | 4.5 | | |
| 19-20 | 8.0 | | 4.5 | 1.0 | | | 4.0 | | | | 9.0 | | | 5.5 | | | 1.5 | | 6.5 | | 6.5 | | |
| 20-21 | 1.0 | | 0.5 | 4.0 | 8.0 | | | | 1.5 | | | | 4.5 | | | 12.0 | | 11.5 | 0.5 | | 8.5 | 4.0 | 4.5 |
| 21-22 | 3.5 | | 3.5 | 0.5 | 1.0 | | | 5.0 | | 9.5 | 8.0 | | 8.0 | | | | | 10.0 | 4.5 | | | 6.5 | |
| 22-23 | 5.5 | | 6.5 | 3.0 | | | | 0.5 | | 6.0 | | | 11.5 | | | 0.5 | 12.0 | 8.5 | 8.0 | | 4.0 | 8.5 | |
| 23-24 | 7.5 | | 3.0 | 6.0 | 4.5 | 10.5 | 6.0 | | 3.0 | 2.5 | 7.5 | 9.0 | | | 12.0 | | 8.5 | 6.5 | 2.5 | | 6.0 | | |
| 24-25 | 0.5 | | 5.5 | 2.5 | | 10.0 | 1.5 | | | | | | | 11.0 | | | 5.0 | 5.0 | 6.0 | | 8.0 | 4.0 | |
| 25-26 | 2.5 | | 2.0 | 5.0 | 7.5 | 9.5 | | 7.0 | | | 7.0 | | | | 5.5 | 2.5 | 1.5 | 3.5 | 0.5 | | | 6.0 | |
| 26-27 | 4.5 | | 5.0 | 1.5 | 0.5 | 9.0 | | 2.5 | 4.5 | 12.0 | | | | 4.5 | | | | 1.5 | 4.0 | | 3.5 | 8.0 | |
| 27-28 | 7.0 | | 1.0 | 4.5 | | 8.5 | 8.0 | | | 8.5 | 6.5 | | 2.0 | | | | | 0.0 | 7.5 | | 6.0 | | |
| 28-29 | 0.0 | 9.0 | 4.0 | 0.5 | 4.0 | 7.5 | 3.5 | | | 4.5 | | | 6.0 | | | 4.0 | 12.0 | | 2.0 | | 8.0 | 3.5 | |
| 29-30 | 2.0 | | 0.0 | 3.5 | | 7.0 | | 9.0 | 6.0 | 1.0 | 5.5 | | 9.5 | | | | 8.5 | | 5.5 | | | 5.5 | |
| 30-31 | 4.0 | 7.5 | 3.0 | 6.5 | 7.0 | 6.5 | | 4.5 | | | | | | | 11.5 | | 5.0 | | 9.0 | | 3.5 | 7.5 | |

| | RV PSC | UZ PUP | UZ PUP | AV PUP | U SGE | V505 SGR | 1968 SGR | RS SER | AO SER | CC SER | CC SER | Y SEX | RW TAU | RZ TAU | TY TAU | WY TAU | AC TAU | AM TAU | AQ TAU | CT TAU | EQ TAU | EQ TAU | HU TAU |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MAX | 11.3 | 9.7 | 9.7 | 10.2 | 6.4 | 6.4 | 12.3 | 10.8 | 10.6 | 11.1 | 11.1 | 9.8 | 8.0 | 10.5 | 11.5 | 11.5 | 10.5 | 10.4 | 12.0 | 10.2 | 10.3 | 10.3 | 6.0 |
| MIN | 12.0 | 10.6 | 10.3 | 10.8 | 9.1 | 7.6 | 13.3 | 11.5 | 12.1 | 11.7 | 11.7 | 10.2 | 12.5 | 11.2 | 12.0 | 11.7 | 12.3 | 12.3 | 12.9 | 11.5 | 11.0 | 11.0 | 6.8 |
| DUR | 3 | 4 | 4 | 3 | 6 | 5 | 4 | 4 | 4 | 4 | 4 | 3 | 4 | 3 | 2 | 4 | 6 | 5 | 5 | 5 | 3 | 3 | 6 |
| TOT | | | | | 2 | | | | | | | | 1 | | | | | | | | | | |
| | | | (S) | | | | | | | | (S) | | | | | | | | | | | (S) | |
| 0- 1 | 9.5 | | | | | | | | | | | | | 9.0 | | 11.0 | | | 12.0 | 8.5 | 5.5 | | |
| 1- 2 | 12.5 | 9.5 | | | | | | | | | | | | 5.0 | | | | | | | 6.5 | | |
| 2- 3 | 1.5 | | | | | | 3.0 | 2.0 | | | | | 4.5 | | | | | | | 8.5 | 7.0 | 3.0 | |
| 3- 4 | 4.0 | | 9.0 | 10.0 | | | | | 2.5 | | | | | 6.5 | 5.0 | 5.5 | | | | | 7.5 | 3.5 | |
| 4- 5 | 7.0 | | | | 1.0 | 0.5 | | | | | | | | | 7.0 | | | | 3.5 | 8.5 | 8.0 | 4.0 | |
| 5- 6 | 9.5 | 8.5 | | | | | | 2.0 | | | 0.5 | 10.0 | | 8.5 | 9.0 | 7.5 | | | 8.5 | | | 4.5 | |
| 6- 7 | 12.0 | | | | | | 1.5 | | | | 1.5 | | | 4.5 | 11.0 | | | | | 8.5 | | 5.0 | |
| 7- 8 | 1.5 | | 8.5 | | | | | | | | 2.0 | | | | | 9.5 | | | | | | 5.5 | |
| 8- 9 | 4.0 | | | | | | | 1.5 | | | | | | 6.5 | | | | | | 8.5 | | 6.0 | |
| 9-10 | 6.5 | | | | | | | | | | | | | | | 11.5 | 5.0 | | | | 2.5 | 7.0 | |
| 10-11 | 9.0 | | | | | | 0.0 | | | | | | 12.0 | 8.5 | | | | 5.0 | 5.0 | 8.5 | 3.5 | 7.5 | |
| 11-12 | 11.5 | | | | | 3.0 | | 1.5 | 0.5 | | | | | 4.0 | | | 6.0 | | 10.5 | | 4.0 | 8.0 | |
| 12-13 | 1.0 | 12.5 | | | | | | | | | | | | | | 6.0 | | 6.0 | | 8.5 | 4.5 | | |
| 13-14 | 3.5 | | | 10.0 | | | | | | 0.5 | | | 6.5 | 6.0 | | | 7.0 | | | | 5.0 | | |
| 14-15 | 6.0 | | 12.0 | | 4.5 | | | 1.5 | | 1.5 | | | | | | 7.5 | | 7.0 | | 8.5 | 5.5 | | |
| 15-16 | 8.5 | | | | | | 2.0 | | | 2.0 | | | | 8.0 | | | 8.0 | | | | 6.0 | | |
| 16-17 | 11.5 | 12.0 | | | | | | | | | | | | 4.0 | 3.5 | 9.5 | | 8.0 | 7.0 | 8.5 | 6.5 | 2.5 | |
| 17-18 | 0.5 | | | | | 1.0 | | 1.0 | | | | | | 10.0 | 5.5 | | 9.5 | | 12.5 | | 7.5 | 3.0 | |
| 18-19 | 3.0 | | 11.5 | | | | | | 1.5 | | | | | 6.0 | 7.0 | 11.5 | | 9.0 | | 8.5 | 8.0 | 4.0 | |
| 19-20 | 6.0 | | | | | | 0.5 | | | | | | | | 9.0 | | 10.5 | | | | | 4.5 | |
| 20-21 | 8.5 | 11.0 | | 9.0 | | | | 1.0 | | | | | | 7.5 | 11.0 | | | 10.5 | | 8.5 | | 5.0 | |
| 21-22 | 11.0 | | | | | | | | | | 0.5 | | | 3.5 | | 6.0 | 11.5 | | 4.0 | | | 5.5 | |
| 22-23 | 0.0 | | 11.0 | | | | | | | | 1.5 | | | 9.5 | | | | 11.5 | 9.0 | 8.5 | | 6.0 | 3.5 |
| 23-24 | 3.0 | | | 10.0 | | | | 0.5 | | | 2.0 | | | 5.5 | | 8.0 | 12.5 | | | | 2.5 | 6.5 | |
| 24-25 | 5.5 | 10.5 | | | | 3.5 | 2.0 | | | | | | 8.5 | | | | | 12.5 | | 8.5 | 3.0 | 7.5 | 4.5 |
| 25-26 | 8.0 | | | | | | | | 2.0 | | | | | 7.5 | | 9.5 | | | | | 3.5 | 8.0 | |
| 26-27 | 10.5 | | 10.0 | | | | | 0.5 | | | | 10.0 | | 3.5 | | | | | | 8.5 | 4.5 | | 6.0 |
| 27-28 | | | | | | | | | | | | | 2.5 | 9.5 | | 11.5 | | | 6.0 | | 5.0 | | |
| 28-29 | 2.5 | 10.0 | | | | | 0.5 | | | | | | | 5.0 | | | | | 11.0 | 8.5 | 5.5 | | 7.5 |
| 29-30 | 5.0 | | | | | | | 0.0 | | 0.5 | | | | | | | | | | | 6.0 | | |
| 30-31 | 7.5 | | 9.5 | 9.0 | | 1.0 | | | | 1.5 | | | | 7.0 | 3.5 | 6.0 | | | | 8.5 | 6.5 | 2.5 | 8.5 |

| | V | X | RS | RV | W | TX | TY | TY | UX | UX | VV | XZ | ZZ | AF | W | RU | AG | Z | AW | AX | AY | BE | BO |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | TRI | TRI | TRI | TRI | UMA | UMA | UMA | UMA | UMA | UMA | UMA | UMA | UMA | UMA | UMI | UMI | VIR | VUL | VUL | VUL | VUL | VUL | VUL |
| MAX | 10.9 | 8.9 | 10.3 | 11.4 | 9.1 | 6.8 | 11.7 | 11.7 | 12.7 | 12.7 | 10.1 | 10.1 | 9.8 | 10.8 | 8.6 | 10.7 | 8.8 | 7.4 | 10.8 | 11.0 | 11.0 | 9.9 | 10.4 |
| MIN | 11.9 | 12.0 | 11.0 | 12.5 | 9.9 | 8.9 | 12.4 | 12.4 | 13.8 | 13.8 | 11.0 | 11.7 | 11.2 | 11.6 | 9.7 | 11.4 | 9.4 | 9.2 | 11.9 | 12.5 | 12.9 | 11.4 | 13.3 |
| DUR | 4 | 4 | 4 | 4 | 3 | 6 | 3 | 3 | 1 | 1 | 3 | 3 | 4 | 8 | 7 | 4 | 4 | 6 | 5 | 5 | 4 | 5 | 4 |
| TOT | | | | | | | | (S) | | | | | | | | | | | | | | | |
| 0- 1 | 6.0 | | | 2.5 | 6.0 | | 0.0 | | 2.5 | | 11.5 | | 3.0 | | | 3.5 | | | | | | | |
| 1- 2 | 10.0 | | | | 6.0 | | 1.5 | | | 2.5 | | | | | 4.0 | 5.0 | | | | | | 0.5 | |
| 2- 3 | 0.0 | | | 8.5 | 6.0 | | | | 2.0 | | | | 10.0 | | | 6.0 | | | | | | | |
| 3- 4 | 4.5 | | | 2.5 | 6.0 | | | 0.5 | | 1.5 | 5.5 | | | | | 7.0 | | 5.5 | 4.0 | | | | |
| 4- 5 | 8.5 | | 12.5 | | 6.0 | | | 2.0 | 1.0 | | | 9.5 | | | | 8.5 | | | | | | 3.0 | |
| 5- 6 | 12.5 | | | 9.0 | 6.0 | | 7.5 | | | 0.5 | 7.0 | | | | | 9.5 | 12.0 | | | | | | |
| 6- 7 | 2.5 | | 10.0 | 3.0 | 6.0 | | 0.5 | | 0.5 | | | | | | 6.5 | 10.5 | | | | | | | 7.0 |
| 7- 8 | 6.5 | | | | 6.0 | | 2.0 | | | | 8.5 | | 0.5 | | | 12.0 | | | 5.0 | | | 5.5 | |
| 8- 9 | 10.5 | | 8.0 | 9.5 | 6.0 | | | 8.0 | | | | | | | | 0.5 | | 3.5 | 0.0 | | | | 5.5 |
| 9-10 | 0.5 | | | 3.5 | 6.0 | | | 1.0 | | | 10.0 | 7.0 | 7.5 | | | 1.5 | | | | | 4.0 | | |
| 10-11 | 5.0 | | 6.0 | | 6.0 | | | | | | | 12.0 | | | | 3.0 | | | | | | 8.0 | 4.5 |
| 11-12 | 9.0 | | | 9.5 | 6.0 | | 8.5 | | 3.0 | | 11.5 | | | | 9.0 | 4.0 | | | 5.5 | | | | |
| 12-13 | | | 3.5 | 3.5 | 6.0 | | 1.5 | | | 2.5 | | | | | | 5.5 | | | 1.0 | | | | 3.0 |
| 13-14 | 3.0 | | | | 6.0 | | | | 2.0 | | | | | | 2.0 | 6.5 | | 1.0 | | | | | |
| 14-15 | 7.0 | 12.0 | 1.5 | 10.0 | 6.0 | | | 0.0 | | 2.0 | 5.5 | | | 5.5 | | 7.5 | 12.0 | | | | | | 1.5 |
| 15-16 | 11.0 | 11.0 | | 4.0 | 6.5 | | | 1.5 | 1.5 | | | 9.5 | | | | 9.0 | | | 6.5 | | | | |
| 16-17 | 1.5 | 10.5 | | | 6.5 | | | | | 1.0 | 7.0 | | 5.0 | | 11.5 | 10.0 | | | 1.5 | | | | 0.5 |
| 17-18 | 5.5 | 10.0 | | 10.5 | 6.5 | | 0.5 | | 0.5 | | | | | | | 11.5 | | | | | | | |
| 18-19 | 9.5 | 9.0 | | 4.5 | 6.5 | | 2.0 | | | 0.0 | 8.5 | | 12.5 | | 4.5 | | | | | | | 2.0 | |
| 19-20 | | 8.5 | | | 6.5 | | | 8.0 | | | | | | 11.5 | | 1.0 | | | 7.0 | 0.0 | | | |
| 20-21 | 3.5 | 8.0 | | 10.5 | 6.5 | | | 1.0 | | | 9.5 | 7.0 | | | | 2.5 | | | 2.5 | | | | |
| 21-22 | 7.5 | 7.0 | | 5.0 | 6.5 | | | | | | | 12.0 | | | | 3.5 | | | | 0.5 | 5.5 | 4.5 | |
| 22-23 | 11.5 | 6.5 | | | 6.5 | | 8.0 | | | | 11.0 | | | | | 4.5 | | | | | | | |
| 23-24 | 2.0 | 5.5 | | 11.0 | 6.5 | | 1.0 | | | 3.0 | | | 2.5 | | 7.0 | 6.0 | 12.0 | | | 1.0 | | | |
| 24-25 | 6.0 | 5.0 | | 5.0 | 6.5 | | | | 2.5 | | | | | | | 7.0 | | | 3.0 | | | 7.0 | |
| 25-26 | 10.0 | 4.5 | 12.5 | | 6.5 | | | 8.5 | | 2.0 | 5.0 | | 10.0 | | | 8.5 | | | | 2.0 | | | |
| 26-27 | 0.0 | 3.5 | | 11.5 | 6.5 | 8.5 | | 1.5 | 1.5 | | | 9.5 | | | | 9.5 | | | | | 1.0 | | |
| 27-28 | 4.0 | 3.0 | 10.0 | 5.5 | 6.5 | | | | | 1.5 | 6.5 | | | | | 10.5 | | | | 2.5 | | | |
| 28-29 | 8.0 | 2.5 | | | 6.5 | | 0.5 | | 1.0 | | | | | | 9.5 | 12.0 | | | 4.0 | | | | |
| 29-30 | 12.5 | 1.5 | 8.0 | 12.0 | 6.5 | 10.0 | 2.0 | | | 0.5 | 8.0 | | | | | 0.5 | | | | 3.0 | | | |
| 30-31 | 2.5 | 1.0 | | 6.0 | 6.5 | | | | 0.0 | | | | 0.5 | | 2.0 | 1.5 | | 5.5 | | | | | |

| | BS VUL | BT VUL | BU VUL | CD VUL | V495 VUL | V495 VUL |
|---|---|---|---|---|---|---|
| MAX | 11.0 | 11.8 | 10.6 | 11.5 | 9.6 | 9.6 |
| MIN | 11.5 | 12.5 | 11.4 | 12.6 | 10.0 | 10.0 |
| DUR | 3 | 3 | 3 | 4 | 4 | 4 |
| TOT | | | | | | (S) |
| 0- 1 | 4.0 | | 6.5 | | 4.0 | |
| 1- 2 | 2.5 | | | 2.0 | | |
| 2- 3 | 1.5 | 1.5 | | | | |
| 3- 4 | 0.5 | 4.5 | 3.0 | 3.5 | | |
| 4- 5 | | | 6.0 | | | 6.0 |
| 5- 6 | | | | 4.5 | 1.5 | |
| 6- 7 | | | | | | |
| 7- 8 | | | 2.5 | 5.5 | | |
| 8- 9 | 6.0 | | 6.0 | | | |
| 9-10 | 5.0 | | | 7.0 | | 4.0 |
| 10-11 | 3.5 | 1.0 | | | | |
| 11-12 | 2.5 | 4.5 | 2.0 | | | |
| 12-13 | 1.5 | | 5.5 | 0.5 | | |
| 13-14 | 0.0 | | | | 6.0 | |
| 14-15 | | | | 2.0 | | 1.5 |
| 15-16 | | | 1.5 | | | |
| 16-17 | | | 5.0 | 3.0 | | |
| 17-18 | | | | | | |
| 18-19 | 6.0 | 1.0 | | 4.5 | 3.5 | |
| 19-20 | 4.5 | 4.0 | 1.5 | | | |
| 20-21 | 3.5 | 7.5 | 4.5 | 5.5 | | |
| 21-22 | 2.5 | | 8.0 | | | |
| 22-23 | 1.5 | | | 7.0 | | 6.0 |
| 23-24 | 0.0 | | 1.0 | | 1.0 | |
| 24-25 | | | 4.0 | | | |
| 25-26 | | | 7.5 | 0.5 | | |
| 26-27 | | 0.5 | | | | |
| 27-28 | | 4.0 | 0.5 | 1.5 | | 3.5 |
| 28-29 | 6.0 | 7.5 | 4.0 | | | |
| 29-30 | 4.5 | | 7.0 | 3.0 | | |
| 30-31 | 3.5 | | | | | |