

## The 2009 AAVSO RR Lyrae Ephemeris

The AAVSO RR Lyrae Ephemeris provides the predicted time of maximum for RR Lyrae and Delta Sct type stars in the AAVSO RR Lyrae observing program. These times appear in Universal Time in the body of the ephemeris table. The time is rounded to the nearest half hour, providing sufficient accuracy to plan observing sessions while, hopefully, leaving sufficient doubt about the exact time in order to eliminate anticipatory bias. This ephemeris is designed for use by observers at American longitudes.

The top rows of the ephemeris table list the name of the RR Lyrae type star. Directly below the star's name are its approximate maximum and minimum magnitudes. These magnitudes are taken from the 4<sup>th</sup> edition of the GCVS and may be visual, photographic, or V.

Gerard Samolyk, AAVSO RR Lyrae Committee

### REFERENCE

Kholopov, P. N., *et al.* 1985, *General Catalogue of Variable Stars*, Fourth Edition, Moscow.

Below that, in the row labeled "RISE". This is the approximate time required for the star to rise from minimum to maximum, in hours.

CCD observations of RR Lyrae type stars at all phases of their lightcurves are encouraged. This ephemeris can be used as a guide to determine what portion of the lightcurve is observable on a given night.

The numbers in the left-most column are the "double date" - the evening and the following morning - for the event times listed in the corresponding row. For example, 5-6 corresponds to the evening of the 5th and the morning of the 6th of the month. January 0-1 is the evening of December 31 and the morning of January 1.

## AAVSO RR Lyrae Ephemeris for January 2009

all times in U.T.

Page 1

|       | SW   | XX   | AT   | SW   | TZ   | BH   | RS   | ST   | SW   | SZ   | TV   | TW   | UU   | UY   | RW   | TT   | RR   | XZ   | DM   | RW   | XZ   | RR   | TW   |
|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|       | AND  | AND  | AND  | AQR  | AUR  | AUR  | BOO  | BOO  | BOO  | BOO  | BOO  | BOO  | BOO  | BOO  | CNC  | CNC  | CET  | CYG  | CYG  | DRA  | DRA  | GEM  | HER  |
| MAX   | 9.3  | 10.3 | 10.8 | 10.5 | 11.2 | 11.1 | 9.8  | 10.6 | 11.3 | 12   | 10.8 | 10.8 | 11.2 | 10.6 | 10.7 | 11   | 9.3  | 9.1  | 11.2 | 11   | 9.6  | 10.7 | 10.5 |
| MIN   | 10.8 | 11.6 | 11.5 | 12.1 | 12.8 | 12.6 | 11.3 | 11.8 | 12.7 | 13.4 | 11.5 | 12.1 | 12.7 | 12   | 12.6 | 12.3 | 10.3 | 10.5 | 12.7 | 12   | 10.3 | 11.9 | 11.8 |
| RISE  | 2    | 3    | 3    | 1    | 2    | 2    | 2    | 3    | 2    | 2    | 3    | 2    | 1    | 2    | 2    | 3    | 2    | 3    | 2    | 2    | 3    | 2    | 2    |
| 0- 1  |      | 5.5  |      |      | 6.5  | 1.0  | 8.0  |      |      |      | 7.5  | 9.5  | 11.5 |      | 4.5  | 13.0 |      | 8.5  |      | 5.5  | 5.5  | 7.0  |      |
| 1- 2  | 4.5  |      |      | 2.0  | 1.0  | 10.0 | 11.0 | 8.5  |      |      | 6.0  | 11.0 | 9.5  | 7.0  | 6.5  | 2.5  | 1.5  | 6.5  | 1.5  | 3.0  | 4.5  | 2.0  | 0.5  |
| 2- 3  | 1.5  |      | 5.0  | 0.0  | 5.5  | 8.0  |      |      |      |      | 4.5  | 12.5 | 7.5  |      | 9.0  | 5.5  | 4.0  | 5.0  |      | 0.0  | 3.5  | 6.5  |      |
| 3- 4  |      | 3.0  |      |      | 0.0  | 6.0  | 8.5  |      |      | 6.0  | 10.5 |      |      |      | 11.0 | 8.5  |      | 3.5  | 4.0  | 8.0  | 2.5  | 1.5  | 0.0  |
| 4- 5  | 6.5  |      | 1.5  |      | 4.5  | 3.5  | 11.5 | 11.5 |      | 7.5  | 9.0  |      |      |      | 0.5  | 11.5 |      | 2.0  | 0.0  | 5.0  | 1.0  | 6.5  |      |
| 5- 6  | 4.0  | 7.0  | 7.0  |      | 8.5  | 1.5  | 5.5  |      | 5.5  | 8.5  | 7.5  |      | 12.0 |      | 2.5  | 1.0  |      | 0.0  |      | 2.5  | 0.0  | 1.5  | 0.0  |
| 6- 7  | 1.0  | 0.0  |      |      | 3.5  | 10.5 | 9.0  | 8.0  | 6.0  | 9.5  | 6.0  | 6.0  | 10.0 | 12.0 | 5.0  | 4.0  | 1.0  | 10.0 | 2.5  | 10.5 | 10.5 | 6.0  |      |
| 7- 8  |      |      | 3.5  | 1.5  | 7.5  | 8.5  | 12.0 |      | 6.5  | 10.5 | 4.5  | 7.5  | 8.0  |      | 7.0  | 7.0  | 3.5  | 8.0  |      | 7.5  | 9.0  | 1.0  | 0.0  |
| 8- 9  | 6.0  | 4.0  |      |      | 2.5  | 6.0  | 6.0  |      | 7.5  | 11.5 | 10.5 | 9.0  | 6.0  | 11.0 | 9.5  | 10.0 | 6.0  | 6.5  |      | 5.0  | 8.0  | 5.5  |      |
| 9-10  | 3.5  |      |      |      | 6.5  | 4.0  | 9.5  | 11.0 | 8.0  | 12.5 | 9.0  | 10.5 |      |      | 11.5 |      |      | 5.0  | 1.0  | 2.0  | 7.0  | 0.5  | 0.0  |
| 10-11 | 0.5  | 8.0  | 5.5  |      | 1.5  | 2.0  | 12.5 |      | 8.5  |      | 7.5  | 12.0 | 13.0 | 10.0 | 1.0  | 2.5  |      | 3.5  |      | 10.0 | 6.0  | 5.5  |      |
| 11-12 |      | 1.5  |      |      | 5.5  | 11.0 | 6.5  | 7.5  | 9.5  |      | 6.0  |      | 10.5 |      | 3.0  | 6.0  | 0.5  | 2.0  | 3.5  | 7.5  | 4.5  | 0.5  | 0.0  |
| 12-13 | 5.5  |      | 2.0  |      | 0.5  | 8.5  | 10.0 |      | 10.0 |      | 4.5  |      | 8.5  | 8.5  | 5.5  | 9.0  | 3.0  | 0.0  |      | 4.5  | 3.5  | 5.0  |      |
| 13-14 | 3.0  | 5.5  |      | 0.5  | 4.5  | 6.5  | 13.0 |      | 10.5 |      | 10.5 |      | 6.5  |      | 7.5  | 12.0 | 5.5  | 10.0 |      | 2.0  | 2.5  | 0.0  | 9.5  |
| 14-15 | 0.0  |      |      |      | 9.0  | 4.5  | 7.0  | 10.5 | 11.0 |      | 9.5  | 5.5  |      | 7.5  | 10.0 | 1.5  |      | 8.0  | 2.0  | 9.5  | 1.5  | 4.5  |      |
| 15-16 |      |      | 4.0  |      | 3.5  | 2.5  | 10.0 |      | 12.0 | 7.0  | 8.0  | 7.0  |      |      | 12.0 | 4.5  |      | 6.5  |      | 7.0  | 0.0  | 9.0  | 9.5  |
| 16-17 | 5.0  | 3.0  |      |      | 8.0  | 0.5  |      | 7.0  | 12.5 | 8.0  | 6.5  | 8.5  | 11.5 | 6.5  | 1.5  | 7.5  |      | 5.0  |      | 4.0  | 10.5 | 4.5  |      |
| 17-18 | 2.5  |      | 0.5  |      | 2.5  | 9.0  | 7.5  | 13.0 |      | 9.0  | 5.0  | 10.0 | 9.5  |      | 3.5  | 10.5 | 2.5  | 3.5  | 0.5  | 1.5  | 9.5  | 9.0  | 9.5  |
| 18-19 |      | 7.0  | 6.0  | 2.0  | 7.0  | 7.0  | 10.5 |      | 10.0 | 11.0 | 11.5 | 7.0  |      |      | 6.0  |      | 5.0  | 2.0  |      | 9.5  | 8.0  | 4.0  |      |
| 19-20 |      | 0.5  |      |      | 1.5  | 5.0  |      | 10.0 |      | 11.0 | 9.5  |      |      | 12.5 | 8.0  | 3.0  |      | 0.0  | 3.0  | 6.5  | 7.0  | 8.5  | 9.5  |
| 20-21 | 4.5  |      | 2.5  |      | 6.0  | 3.0  | 8.0  |      | 12.0 | 8.0  |      |      |      |      | 10.5 | 6.0  |      | 10.0 |      | 4.0  | 6.0  | 3.5  |      |
| 21-22 | 2.0  | 4.5  |      |      | 0.5  | 0.5  | 11.0 | 6.5  |      |      | 6.5  |      | 12.0 | 11.5 | 12.5 | 9.0  |      | 8.0  |      | 1.0  | 5.0  | 8.5  | 9.5  |
| 22-23 |      |      |      |      | 5.0  | 9.5  |      | 12.5 |      |      | 5.0  | 5.0  | 10.0 |      | 2.0  | 12.0 | 2.0  | 6.5  | 1.5  | 9.0  | 3.5  | 3.5  |      |
| 23-24 |      | 8.5  | 4.5  |      | 9.0  | 7.5  | 8.5  |      |      |      | 11.0 | 6.5  | 8.0  | 10.5 | 4.0  | 2.0  | 4.5  | 5.0  |      | 6.5  | 2.5  | 8.0  | 9.5  |
| 24-25 | 4.0  | 2.0  |      | 1.0  | 4.0  | 5.5  | 11.5 | 9.5  | 5.5  |      | 9.5  | 8.5  |      |      | 6.5  | 5.0  |      | 3.5  | 3.5  | 3.5  | 1.5  | 3.0  |      |
| 25-26 | 1.5  |      | 1.0  |      | 8.0  | 3.0  | 5.5  |      | 6.0  |      | 8.0  | 10.0 |      | 9.0  | 8.5  | 8.0  |      | 2.0  |      | 1.0  | 0.5  | 7.5  | 9.5  |
| 26-27 |      | 6.0  | 6.5  |      | 3.0  | 1.0  | 9.0  | 6.0  | 6.5  | 6.5  | 6.5  | 11.5 | 12.5 |      | 11.0 | 11.0 |      | 0.0  |      | 8.5  | 10.5 | 2.5  |      |
| 27-28 | 6.5  |      |      |      | 7.0  | 10.0 | 12.0 | 12.0 | 7.5  | 7.5  | 5.0  | 13.0 | 10.5 | 8.0  |      |      | 1.5  | 10.0 | 2.5  | 6.0  | 9.5  | 7.5  | 9.0  |
| 28-29 | 3.5  |      | 3.0  |      | 2.0  | 8.0  | 6.0  |      | 8.0  | 8.5  | 11.0 |      |      | 8.5  | 2.0  | 3.5  | 4.0  | 8.0  |      | 3.0  | 8.5  | 2.5  |      |
| 29-30 | 1.0  | 3.0  |      |      | 6.0  | 5.5  | 9.5  | 9.0  | 8.5  | 9.5  | 9.5  |      | 6.5  | 7.0  | 4.5  | 6.5  |      | 6.5  |      | 0.5  | 7.0  | 7.0  | 9.0  |
| 30-31 |      |      |      | 0.5  | 1.0  | 3.5  | 12.5 |      | 9.5  | 10.5 | 8.0  | 5.0  |      |      | 6.5  | 9.5  |      | 5.0  | 1.0  | 8.5  | 6.0  | 2.0  |      |

|       | VX   | AR   | DL   | DY   | SZ   | UU   | DG   | DH   | RR   | SS   | TV   | WW   | SZ  | RZ   | AV   | RV   |
|-------|------|------|------|------|------|------|------|------|------|------|------|------|-----|------|------|------|
|       | HER  | HER  | HER  | HER  | HYA  | HYA  | HYA  | HYA  | LEO  | LEO  | LEO  | LEO  | LYN | LYR  | PEG  | UMA  |
| MAX   | 9.9  | 10.6 | 11   | 10.2 | 10.6 | 10.7 | 11.6 | 11.4 | 10   | 10.5 | 11.5 | 11   | 9.1 | 10   | 9.9  | 10.1 |
| MIN   | 10.4 | 11.6 | 12.4 | 10.6 | 11.7 | 12.3 | 12.6 | 12.6 | 11.7 | 12   | 12.6 | 12   | 9.6 | 12   | 10.9 | 11.2 |
| RISE  | 2    | 2    | 1    | 1    | 2    | 2    | 3    | 2    | 2    | 2    | 2    | 3    | 1   | 2    | 2    | 3    |
| 0- 1  | 9.0  | 9.0  |      | 12.5 | 7.5  | 12.0 | 3.5  |      | 9.0  |      |      | 12.0 | 3.0 |      | 1.5  | 7.0  |
| 1- 2  |      | 7.5  |      | 10.0 | 9.0  |      |      |      | 7.0  | 5.5  | 6.0  | 2.5  | 5.0 |      |      | 5.5  |
| 2- 3  |      | 6.0  | 11.0 |      | 11.0 |      | 9.5  | 12.5 | 4.5  | 11.5 |      | 7.5  | 7.0 |      | 0.5  | 4.0  |
| 3- 4  |      |      |      |      | 13.0 | 3.0  | 4.0  | 12.0 | 2.5  |      | 6.0  | 12.5 | 0.5 |      |      | 2.5  |
| 4- 5  | 11.5 |      |      | 12.5 |      | 4.0  |      | 11.5 | 11.0 | 8.5  |      | 3.0  | 2.5 |      |      | 1.0  |
| 5- 6  | 9.5  |      | 10.0 | 10.0 | 3.5  | 5.0  | 10.0 | 11.0 | 8.5  |      | 6.5  | 8.0  | 4.5 |      | 3.5  | 11.0 |
| 6- 7  |      | 0.5  |      |      | 5.0  | 6.5  | 4.0  | 10.5 | 6.5  | 6.0  |      | 12.5 | 6.5 |      |      | 9.0  |
| 7- 8  |      | 10.0 |      |      | 7.0  | 7.5  |      | 10.0 | 4.0  | 12.0 | 7.0  | 3.0  | 8.5 |      | 2.5  | 7.5  |
| 8- 9  |      | 8.5  |      |      | 9.0  | 8.5  | 10.5 | 9.5  | 2.0  |      |      | 8.0  | 2.0 |      |      | 6.0  |
| 9-10  | 12.0 | 7.5  |      | 10.5 | 10.5 | 10.0 | 4.5  | 9.0  | 10.5 | 9.0  | 7.5  |      | 4.0 |      | 1.0  | 4.5  |
| 10-11 | 9.5  | 6.0  |      |      | 12.5 | 11.0 |      | 8.5  | 8.0  |      |      | 3.5  | 6.0 |      |      | 3.0  |
| 11-12 |      |      |      |      |      | 12.0 | 11.0 | 8.0  | 6.0  | 6.0  | 8.0  | 8.5  | 8.0 |      | 0.0  | 1.5  |
| 12-13 |      |      | 12.5 |      | 3.0  |      | 5.0  | 7.5  | 3.5  | 12.0 |      |      | 1.5 |      |      | 0.0  |
| 13-14 |      | 13.0 |      | 10.5 | 5.0  |      |      | 7.0  | 12.0 |      | 8.5  | 4.0  | 3.5 |      |      | 9.5  |
| 14-15 | 12.0 | 0.0  |      |      | 6.5  | 3.0  | 11.5 | 6.0  | 10.0 | 9.0  |      | 9.0  | 5.5 | 9.5  | 3.0  | 8.0  |
| 15-16 | 10.0 | 10.0 | 11.5 |      | 8.5  | 4.0  | 5.5  | 5.5  | 7.5  |      | 9.0  |      | 7.5 | 10.0 |      | 6.5  |
| 16-17 |      | 8.5  |      |      | 10.0 | 5.0  |      | 5.0  | 5.0  | 6.5  |      | 4.0  | 1.0 | 10.5 | 2.0  | 5.0  |
| 17-18 |      | 7.0  |      | 11.0 | 12.0 | 6.5  | 12.0 | 4.5  | 3.0  | 12.5 | 9.5  | 9.0  | 3.0 | 11.0 |      | 3.5  |
| 18-19 |      | 5.5  | 10.5 |      |      | 7.5  | 6.0  | 4.0  | 11.5 |      |      |      | 5.0 | 12.0 | 0.5  | 2.0  |
| 19-20 | 12.0 |      |      |      | 2.5  | 8.5  |      | 3.5  | 9.0  | 9.5  | 10.0 | 4.5  | 7.0 | 0.0  |      | 0.5  |
| 20-21 | 10.0 |      |      |      | 4.5  | 10.0 | 12.0 | 3.0  | 7.0  |      |      | 9.5  | 0.5 | 0.5  |      | 10.0 |
| 21-22 |      | 12.5 | 9.5  | 11.5 | 6.0  | 11.0 | 6.5  | 2.5  | 4.5  | 6.5  | 10.5 |      | 2.5 | 1.0  | 3.5  | 8.5  |
| 22-23 |      | 11.0 |      | 9.0  | 8.0  | 12.0 |      |      | 2.5  | 12.5 |      | 5.0  | 4.5 |      |      | 7.0  |
| 23-24 |      | 9.5  |      |      | 10.0 |      | 12.5 |      | 11.0 |      | 10.5 | 10.0 | 6.5 |      | 2.5  | 5.5  |
| 24-25 | 12.5 | 8.0  |      |      | 11.5 |      | 6.5  | 12.5 | 8.5  | 10.0 |      |      | 8.5 |      |      | 4.0  |
| 25-26 | 10.5 | 7.0  | 13.0 | 11.5 |      | 3.0  |      | 12.0 | 6.5  |      | 11.0 | 5.0  | 2.0 |      | 1.5  | 2.5  |
| 26-27 |      | 5.5  |      | 9.0  |      | 4.0  | 13.0 | 11.5 | 4.0  | 7.0  |      | 10.0 | 4.0 |      |      | 1.0  |
| 27-28 |      |      |      |      | 4.0  | 5.0  | 7.0  | 11.0 | 2.0  | 13.0 | 11.5 |      | 6.0 |      | 0.0  | 10.5 |
| 28-29 |      |      | 12.0 |      | 6.0  | 6.5  |      | 10.5 | 10.5 |      |      | 5.5  | 8.0 |      |      | 9.0  |
| 29-30 | 12.5 | 12.5 |      | 12.0 | 7.5  | 7.5  |      | 10.0 | 8.0  | 10.0 | 12.0 | 10.5 | 1.5 |      |      | 7.5  |
| 30-31 | 10.5 | 11.0 |      | 9.5  | 9.5  | 8.5  | 7.5  | 9.5  | 6.0  |      |      |      | 3.5 |      | 3.0  | 6.0  |

|       | SW   | XX   | AT   | SW   | TZ   | BH   | RS   | ST   | SW   | SZ   | TV   | TW   | UU   | UY   | RW   | TT   | RR   | XZ   | DM   | RW   | XZ   | RR   | TW   |
|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|       | AND  | AND  | AND  | AQR  | AUR  | AUR  | BOO  | BOO  | BOO  | BOO  | BOO  | BOO  | BOO  | BOO  | CNC  | CNC  | CET  | CYG  | CYG  | DRA  | DRA  | GEM  | HER  |
| MAX   | 9.3  | 10.3 | 10.8 | 10.5 | 11.2 | 11.1 | 9.8  | 10.6 | 11.3 | 12   | 10.8 | 10.8 | 11.2 | 10.6 | 10.7 | 11   | 9.3  | 9.1  | 11.2 | 11   | 9.6  | 10.7 | 10.5 |
| MIN   | 10.8 | 11.6 | 11.5 | 12.1 | 12.8 | 12.6 | 11.3 | 11.8 | 12.7 | 13.4 | 11.5 | 12.1 | 12.7 | 12   | 12.6 | 12.3 | 10.3 | 10.5 | 12.7 | 12   | 10.3 | 11.9 | 11.8 |
| RISE  | 2    | 3    | 3    | 1    | 2    | 2    | 2    | 3    | 2    | 2    | 3    | 2    | 1    | 2    | 2    | 3    | 2    | 3    | 2    | 2    | 3    | 2    | 2    |
| 0- 1  |      |      | 5.0  |      | 5.0  | 1.5  | 6.5  | 5.5  | 10.0 | 11.5 | 6.5  | 6.5  |      | 6.0  | 9.0  |      |      | 3.5  |      | 5.5  | 5.0  | 6.5  | 9.0  |
| 1- 2  | 3.5  | 0.5  |      |      | 9.0  |      | 10.0 | 11.5 | 10.5 | 13.0 | 5.0  | 8.0  | 11.0 |      | 11.5 | 2.0  | 1.0  | 2.0  |      | 3.0  | 4.0  | 1.5  |      |
| 2- 3  | 0.5  |      | 1.5  |      | 4.0  | 8.0  | 4.0  |      | 11.5 |      | 3.5  | 9.5  | 9.0  | 4.5  | 0.5  | 5.0  | 3.5  | 0.0  |      | 0.0  | 2.5  | 6.5  | 9.0  |
| 3- 4  |      | 4.5  |      |      | 8.0  | 6.0  | 7.0  | 8.0  | 12.0 |      | 9.5  | 11.0 | 7.0  | 12.0 | 2.5  | 8.0  |      | 9.5  |      | 8.0  | 1.5  | 1.5  |      |
| 4- 5  |      |      | 12.5 | 12.5 | 3.0  | 4.0  | 10.0 |      | 12.5 |      | 8.0  | 12.5 | 5.0  |      | 5.0  | 11.5 |      | 8.0  | 1.5  | 5.5  | 0.5  | 6.0  | 9.0  |
| 5- 6  | 3.0  |      | 3.5  |      | 7.0  | 2.0  | 4.5  | 5.0  |      | 4.5  | 6.5  |      |      | 11.0 | 7.0  | 1.0  |      | 6.5  |      | 2.5  | 11.0 | 1.0  |      |
| 6- 7  | 0.0  | 2.0  |      |      | 2.0  |      | 7.5  | 11.0 |      | 6.0  | 5.0  | 3.0  | 12.0 |      | 9.5  | 4.0  | 0.0  | 5.0  |      | 10.5 | 9.5  | 5.5  | 9.0  |
| 7- 8  |      |      |      |      | 6.0  | 8.5  | 10.5 |      |      | 7.0  | 3.5  | 4.5  | 9.5  | 9.5  | 11.5 | 7.0  | 3.0  | 3.5  | 0.0  | 7.5  | 8.5  | 0.5  |      |
| 8- 9  |      | 6.0  | 5.5  |      | 1.0  | 6.5  | 5.0  | 7.5  | 3.0  | 8.0  | 9.5  | 6.0  | 7.5  |      | 1.0  | 10.0 |      | 1.5  |      | 5.0  | 7.5  | 5.5  | 9.0  |
| 9-10  | 2.5  |      |      |      | 5.0  | 4.5  | 8.0  |      | 3.5  | 9.0  | 8.0  | 7.5  | 5.5  | 8.5  | 3.0  |      |      | 0.0  | 12.5 | 2.0  | 6.5  | 0.5  |      |
| 10-11 |      |      | 2.0  | 12.0 | 0.0  | 2.5  | 11.0 | 4.5  | 4.0  | 10.0 | 6.5  | 9.0  |      |      | 5.5  | 2.5  |      | 9.5  |      | 10.0 | 5.0  | 5.0  | 9.0  |
| 11-12 |      | 3.5  |      |      | 4.0  | 0.0  | 5.0  | 10.5 | 5.0  | 11.0 | 5.0  | 10.5 | 12.5 | 7.5  | 7.5  | 5.5  |      | 8.0  |      | 7.5  | 4.0  | 0.0  |      |
| 12-13 | 4.5  |      |      |      | 8.5  | 9.0  | 8.5  |      | 5.5  | 12.5 | 3.5  | 12.0 | 10.5 |      | 10.0 | 8.5  | 2.0  | 6.5  | 1.0  | 4.5  | 3.0  | 4.5  | 9.0  |
| 13-14 | 2.0  |      | 4.0  |      | 3.0  | 7.0  | 11.5 | 7.0  | 6.0  |      | 9.5  |      | 8.5  | 6.5  | 12.0 | 11.5 |      | 5.0  |      | 2.0  | 2.0  | 9.5  |      |
| 14-15 |      | 1.0  |      |      | 7.5  | 5.0  | 5.5  |      | 7.0  |      | 8.0  |      | 6.0  |      | 1.5  | 1.0  |      | 3.5  |      | 10.0 | 0.5  | 4.5  | 9.0  |
| 15-16 |      |      | 0.5  |      | 2.0  | 2.5  | 9.0  | 4.0  | 7.5  |      | 6.5  | 4.0  | 4.0  | 5.0  | 3.5  | 4.0  |      | 1.5  |      | 7.0  | 11.0 | 9.0  |      |
| 16-17 | 4.0  | 5.0  |      |      | 6.5  | 0.5  | 12.0 | 10.0 | 8.0  | 4.0  | 5.0  | 5.5  |      | 12.5 | 6.0  | 7.0  |      | 0.0  |      | 4.5  | 10.0 | 4.0  | 9.0  |
| 17-18 | 1.5  |      | 11.5 |      | 1.0  | 9.5  | 6.0  |      | 8.5  | 5.5  | 3.5  | 7.0  | 11.0 | 4.0  | 8.0  | 10.5 | 1.5  | 9.5  | 12.0 | 1.5  | 8.5  | 8.5  |      |
| 18-19 |      |      | 2.5  |      | 5.5  | 7.5  | 9.5  | 6.5  | 9.5  | 6.5  | 9.5  | 8.5  | 9.0  | 11.5 | 10.5 |      | 4.0  | 8.0  |      | 9.5  | 7.5  | 3.5  | 8.5  |
| 19-20 |      | 2.5  |      |      | 0.0  | 5.0  | 12.5 | 12.5 | 10.0 | 7.5  | 8.0  | 10.0 | 7.0  |      | 12.5 | 3.0  |      | 6.5  |      | 6.5  | 6.5  | 8.5  |      |
| 20-21 | 3.5  |      |      |      | 4.5  | 3.0  | 6.5  |      | 10.5 | 8.5  | 6.5  | 12.0 | 5.0  | 10.0 | 2.0  | 6.0  |      | 5.0  | 0.5  | 4.0  | 5.5  | 3.5  | 8.5  |
| 21-22 | 1.0  | 6.5  | 4.5  | 12.5 | 8.5  | 1.0  | 9.5  | 9.5  | 11.5 | 9.5  | 5.0  |      |      |      | 4.0  | 9.0  |      | 3.5  |      | 1.0  | 4.0  | 8.0  |      |
| 22-23 |      |      |      |      | 3.5  | 10.0 | 4.0  |      | 12.0 | 10.5 | 3.5  |      | 11.5 | 9.0  | 6.5  |      | 1.0  | 1.5  |      | 9.0  | 3.0  | 3.0  | 8.5  |
| 23-24 |      |      | 1.0  |      | 7.5  | 8.0  | 7.0  | 6.0  | 12.5 | 12.0 | 9.5  | 3.5  | 9.5  |      | 8.5  | 1.5  | 3.5  | 0.0  |      | 6.5  | 2.0  | 7.5  |      |
| 24-25 | 3.0  | 3.5  |      |      | 2.5  | 5.5  | 10.0 | 12.0 |      | 13.0 | 8.0  | 5.0  | 7.5  | 8.0  | 11.0 | 4.5  |      | 9.5  |      | 3.5  | 1.0  | 2.5  | 8.5  |
| 25-26 | 0.5  |      | 12.0 |      | 6.5  | 3.5  | 4.5  |      |      |      | 6.5  | 6.5  | 5.5  |      | 7.5  |      |      | 8.0  | 1.5  | 1.0  | 11.0 | 7.5  |      |
| 26-27 |      |      | 3.0  |      | 1.5  | 1.5  | 7.5  | 9.0  |      |      | 5.0  | 8.5  |      | 6.5  | 2.5  | 10.5 |      | 6.5  |      | 9.0  | 10.0 | 2.5  | 8.5  |
| 27-28 |      | 1.0  |      |      | 5.5  |      | 10.5 |      | 3.0  |      | 3.5  | 10.0 | 12.5 |      | 4.5  | 0.0  | 0.5  | 5.0  |      | 6.0  | 9.0  | 7.0  |      |

|       | VX   | AR   | DL   | DY   | SZ   | UU   | DG   | DH   | RR   | SS   | TV   | WW   | SZ  | RZ   | AV   | RV   |
|-------|------|------|------|------|------|------|------|------|------|------|------|------|-----|------|------|------|
|       | HER  | HER  | HER  | HER  | HYA  | HYA  | HYA  | HYA  | LEO  | LEO  | LEO  | LEO  | LYN | LYR  | PEG  | UMA  |
| MAX   | 9.9  | 10.6 | 11   | 10.2 | 10.6 | 10.7 | 11.6 | 11.4 | 10   | 10.5 | 11.5 | 11   | 9.1 | 10   | 9.9  | 10.1 |
| MIN   | 10.4 | 11.6 | 12.4 | 10.6 | 11.7 | 12.3 | 12.6 | 12.6 | 11.7 | 12   | 12.6 | 12   | 9.6 | 12   | 10.9 | 11.2 |
| RISE  | 2    | 2    | 1    | 1    | 2    | 2    | 3    | 2    | 2    | 2    | 2    | 3    | 1   | 2    | 2    | 3    |
| 0- 1  | 8.5  | 9.5  | 11.0 | 7.0  | 11.0 | 10.0 | 1.5  | 9.0  | 3.5  | 7.0  | 12.5 | 6.0  | 5.5 |      |      | 4.5  |
| 1- 2  |      | 8.0  |      |      |      | 11.0 |      | 8.5  | 1.0  |      | 4.5  | 11.0 | 7.5 |      | 11.5 | 3.0  |
| 2- 3  |      | 6.5  |      | 12.5 | 2.0  | 12.0 | 8.0  | 8.0  | 10.0 | 4.0  | 13.0 | 1.5  | 1.0 | 7.5  |      | 1.5  |
| 3- 4  | 13.0 | 5.0  | 10.0 | 9.5  | 3.5  | 0.5  | 2.0  | 7.5  | 7.5  | 10.5 | 5.0  | 6.5  | 3.0 | 8.0  | 1.0  | 0.0  |
| 4- 5  | 10.5 | 3.5  |      | 7.0  | 5.5  | 2.0  |      | 7.0  | 5.0  |      |      | 11.0 | 5.0 | 8.5  |      | 9.5  |
| 5- 6  | 8.5  |      |      |      | 7.5  | 3.0  | 8.5  | 6.5  | 3.0  | 7.5  | 5.5  | 1.5  | 7.0 | 9.0  |      | 8.0  |
| 6- 7  | 6.5  | 12.0 | 9.0  | 12.5 | 9.0  | 4.0  | 2.5  | 6.0  | 0.5  |      |      | 6.5  | 0.5 | 9.5  |      | 6.5  |
| 7- 8  |      | 10.5 |      | 10.0 | 11.0 | 5.5  |      | 5.5  | 9.0  | 4.5  | 6.0  | 11.5 | 2.5 | 10.5 |      | 5.0  |
| 8- 9  |      | 9.0  |      | 7.5  |      | 6.5  | 8.5  | 5.0  | 7.0  | 10.5 |      | 2.0  | 4.5 | 11.0 | 12.0 | 3.5  |
| 9-10  | 11.0 | 7.5  | 8.0  |      | 1.5  | 7.5  | 3.0  | 4.5  | 4.5  |      | 6.5  | 7.0  | 6.5 | 11.5 |      | 2.0  |
| 10-11 | 9.0  | 6.5  | 12.0 | 13.0 | 3.5  | 8.5  |      | 3.5  | 2.5  | 7.5  |      | 12.0 | 8.5 | 12.0 | 1.5  | 0.5  |
| 11-12 | 6.5  | 5.0  |      | 10.5 | 5.0  | 10.0 | 9.0  | 3.0  | 0.0  |      | 7.0  | 2.5  | 2.0 | 12.5 |      | 10.0 |
| 12-13 |      | 3.5  |      | 7.5  | 7.0  | 11.0 | 3.0  | 2.5  | 8.5  | 4.5  |      | 7.5  | 4.0 | 13.0 | 0.5  | 8.5  |
| 13-14 |      |      | 11.0 |      | 8.5  | 12.0 |      | 2.0  | 6.5  | 11.0 | 7.5  | 12.0 | 6.0 |      |      | 7.0  |
| 14-15 | 11.0 | 12.0 |      |      | 10.5 | 0.5  | 9.5  | 1.5  | 4.0  |      |      | 2.5  | 8.0 |      |      | 5.5  |
| 15-16 | 9.0  | 10.5 |      | 10.5 |      | 2.0  | 3.5  | 1.0  | 2.0  | 8.0  | 8.0  | 7.5  | 1.0 |      | 12.5 | 4.0  |
| 16-17 | 7.0  | 9.0  | 10.0 | 8.0  | 1.0  | 3.0  |      | 0.5  | 10.5 |      |      |      | 3.5 |      |      | 2.5  |
| 17-18 |      | 7.5  |      |      | 3.0  | 4.0  | 10.0 |      | 8.0  | 5.0  | 8.0  | 3.0  | 5.5 |      | 11.5 | 1.0  |
| 18-19 |      | 6.0  |      |      | 4.5  | 5.5  | 4.0  |      | 6.0  | 11.0 |      | 8.0  | 7.5 |      |      | 10.5 |
| 19-20 | 11.5 | 4.5  | 9.0  | 11.0 | 6.5  | 6.5  |      | 10.5 | 3.5  |      | 8.5  |      | 0.5 |      | 1.0  | 9.0  |
| 20-21 | 9.0  | 3.0  |      | 8.5  | 8.5  | 7.5  | 10.5 | 10.0 | 1.0  | 8.0  |      | 3.5  | 2.5 |      |      | 7.5  |
| 21-22 | 7.0  | 13.0 |      |      | 10.0 | 8.5  | 4.5  | 9.5  | 10.0 |      | 9.0  | 8.5  | 5.0 |      |      | 6.0  |
| 22-23 |      | 11.5 | 8.0  |      |      | 10.0 |      | 9.0  | 7.5  | 5.0  |      |      | 7.0 |      |      | 4.5  |
| 23-24 |      | 10.0 | 12.5 | 11.5 | 0.5  | 11.0 | 11.0 | 8.5  | 5.0  | 11.5 | 9.5  | 3.5  | 0.0 |      |      | 3.0  |
| 24-25 | 11.5 | 8.5  |      | 8.5  | 2.5  | 12.0 | 5.0  | 8.0  | 3.0  | 2.5  |      | 8.5  | 2.0 |      | 12.0 | 1.5  |
| 25-26 | 9.5  | 7.0  |      |      | 4.5  | 0.5  |      | 7.5  | 0.5  | 8.5  | 10.0 |      | 4.0 | 7.5  |      | 11.0 |
| 26-27 | 7.5  | 6.0  | 11.5 |      | 6.0  | 2.0  | 11.0 | 7.0  | 9.0  |      |      | 4.0  | 6.5 | 8.5  | 1.5  | 9.5  |
| 27-28 |      | 4.5  |      | 11.5 | 8.0  | 3.0  | 5.5  | 6.5  | 7.0  | 5.5  | 10.5 | 9.0  | 8.5 | 9.0  |      | 8.0  |

|       | SW   | XX   | AT   | SW   | TZ   | BH   | RS   | ST   | SW   | SZ   | TV   | TW   | UU   | UY   | RW   | TT   | RR   | XZ   | DM   | RW   | XZ   | RR   | TW   |
|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|       | AND  | AND  | AND  | AQR  | AUR  | AUR  | BOO  | BOO  | BOO  | BOO  | BOO  | BOO  | BOO  | BOO  | CNC  | CNC  | CET  | CYG  | CYG  | DRA  | DRA  | GEM  | HER  |
| MAX   | 9.3  | 10.3 | 10.8 | 10.5 | 11.2 | 11.1 | 9.8  | 10.6 | 11.3 | 12   | 10.8 | 10.8 | 11.2 | 10.6 | 10.7 | 11   | 9.3  | 9.1  | 11.2 | 11   | 9.6  | 10.7 | 10.5 |
| MIN   | 10.8 | 11.6 | 11.5 | 12.1 | 12.8 | 12.6 | 11.3 | 11.8 | 12.7 | 13.4 | 11.5 | 12.1 | 12.7 | 12   | 12.6 | 12.3 | 10.3 | 10.5 | 12.7 | 12   | 10.3 | 11.9 | 11.8 |
| RISE  | 2    | 3    | 3    | 1    | 2    | 2    | 2    | 3    | 2    | 2    | 3    | 2    | 1    | 2    | 2    | 3    | 2    | 3    | 2    | 2    | 3    | 2    | 2    |
| 0- 1  | 2.5  | 12.0 |      |      | 0.5  |      | 4.5  | 5.5  | 3.5  | 5.0  | 2.0  | 11.5 | 10.0 | 5.5  | 7.0  | 3.0  |      | 3.5  | 10.0 | 3.5  | 7.5  | 2.0  | 8.5  |
| 1- 2  |      |      |      |      | 4.5  | 6.0  | 8.0  | 11.5 | 4.0  | 6.0  | 0.5  |      | 8.0  |      | 9.0  | 6.5  |      | 1.5  |      | 0.5  | 6.5  | 6.5  |      |
| 2- 3  |      |      | 10.5 |      | 9.0  | 4.0  | 2.0  | 2.5  | 5.0  | 7.0  | 6.5  | 1.5  | 6.0  | 4.5  | 11.5 | 9.5  |      | 11.5 |      | 8.5  | 5.5  | 2.0  | 8.5  |
| 3- 4  |      |      | 1.0  |      | 3.5  | 2.0  | 5.0  | 8.5  | 5.5  | 8.0  | 5.0  | 3.0  | 4.0  | 11.5 | 0.5  |      |      | 9.5  | 8.5  | 5.5  | 4.5  | 6.5  |      |
| 4- 5  | 2.5  | 2.5  |      |      | 8.0  |      | 8.5  |      | 6.0  | 9.0  | 3.5  | 5.0  |      | 3.5  | 2.5  | 2.0  |      | 8.0  |      | 3.0  | 3.0  | 1.5  | 8.5  |
| 5- 6  |      |      | 12.5 | 11.0 | 2.5  |      | 2.5  | 5.0  | 7.0  | 10.5 | 2.0  | 6.5  | 11.0 | 10.5 | 5.0  | 5.0  |      | 6.5  | 11.0 | 11.0 | 2.0  | 6.0  |      |
| 6- 7  |      |      | 3.5  |      | 7.0  | 6.5  | 5.5  | 11.0 | 7.5  | 11.5 | 0.5  | 8.0  | 9.0  | 2.0  | 7.5  | 8.0  |      | 5.0  |      | 8.0  | 1.0  | 1.0  | 8.5  |
| 7- 8  |      |      |      |      | 1.5  | 4.5  | 9.0  |      | 8.0  | 12.5 | 6.5  | 9.5  | 6.5  | 9.5  | 9.5  |      |      | 3.0  |      | 5.5  | 11.0 | 5.5  |      |
| 8- 9  | 2.0  |      |      |      | 6.0  | 2.5  | 3.0  | 8.0  | 9.0  |      | 5.0  | 11.0 | 4.5  |      | 12.0 | 0.5  |      | 1.5  | 9.5  | 2.5  | 10.0 | 1.0  | 8.5  |
| 9-10  |      | 4.0  |      |      | 0.5  |      | 6.0  |      | 9.5  | 2.0  | 3.5  |      | 2.5  | 8.5  | 1.0  | 3.5  |      | 11.0 |      | 10.5 | 9.0  | 5.5  |      |
| 10-11 |      |      | 11.0 | 12.5 | 5.0  |      | 9.5  | 4.5  | 10.0 | 3.0  | 2.0  | 1.5  | 11.5 |      | 3.0  | 6.5  | 2.0  | 9.5  | 12.0 | 8.0  | 8.0  | 0.5  | 8.0  |
| 11-12 |      |      | 1.5  | 10.5 | 9.0  | 7.0  | 3.5  | 10.5 | 10.5 | 4.5  | 0.5  | 3.0  | 9.5  | 7.0  | 5.5  | 9.5  |      | 8.0  |      | 5.0  | 6.5  | 5.0  |      |
| 12-13 | 1.5  | 1.5  |      |      | 4.0  | 5.0  | 6.5  |      | 11.5 | 5.5  | 6.5  | 4.5  | 7.5  |      | 7.5  |      |      | 6.5  |      | 2.5  | 5.5  | 9.5  | 8.0  |
| 13-14 |      | 12.0 |      |      | 8.0  | 2.5  | 9.5  | 7.5  | 12.0 | 6.5  | 5.0  | 6.0  | 5.5  | 6.0  | 10.0 | 2.0  |      | 5.0  | 10.5 | 10.0 | 4.5  | 4.5  |      |
| 14-15 |      |      |      |      | 3.0  | 0.5  | 4.0  |      |      | 7.5  | 3.5  | 7.5  | 3.0  |      |      | 5.5  |      | 3.0  |      | 7.5  | 3.5  | 9.5  | 8.0  |
| 15-16 |      |      |      |      | 7.0  |      | 7.0  | 4.0  |      | 8.5  | 2.0  | 9.0  | 12.0 | 5.0  | 1.5  | 8.5  | 1.5  | 1.5  |      | 4.5  | 2.0  | 4.5  |      |
| 16-17 | 1.0  |      |      | 12.0 | 2.0  | 7.5  | 10.0 | 10.0 | 1.5  | 10.0 | 0.5  | 10.5 | 10.0 | 12.0 | 3.5  |      |      | 11.0 | 9.0  | 2.0  | 1.0  | 9.0  | 8.0  |
| 17-18 |      | 3.0  |      |      | 6.0  | 5.0  | 4.5  |      | 2.5  | 11.0 | 6.5  | 12.0 | 8.0  | 4.0  | 6.0  | 1.0  |      | 9.5  |      | 10.0 | 11.5 | 4.0  |      |
| 18-19 |      |      | 11.5 |      | 1.0  | 3.0  | 7.5  | 7.0  | 3.0  | 12.0 | 5.0  | 1.0  | 6.0  | 11.0 | 8.0  | 4.0  |      | 8.0  | 11.5 | 7.0  | 10.0 | 8.5  | 8.0  |
| 19-20 |      |      | 2.0  |      | 5.0  | 1.0  | 10.5 |      | 3.5  |      | 3.5  | 2.5  | 4.0  | 2.5  | 10.5 | 7.0  |      | 6.5  |      | 4.5  | 9.0  | 4.0  |      |
| 20-21 |      |      |      |      | 9.0  |      | 4.5  | 3.5  | 4.0  |      | 2.0  | 4.0  |      | 10.0 |      | 10.0 | 1.0  | 5.0  |      | 1.5  | 8.0  | 8.5  | 8.0  |
| 21-22 |      |      |      |      | 4.0  | 7.5  | 8.0  | 9.5  | 5.0  | 2.5  | 0.5  | 5.5  | 10.5 |      | 2.0  |      |      | 3.0  | 10.0 | 9.5  | 7.0  | 3.5  |      |
| 22-23 |      | 4.0  |      | 11.0 | 8.0  | 5.5  | 2.0  |      | 5.5  | 4.0  | 6.5  | 7.0  | 8.5  | 9.0  | 4.0  | 2.5  |      | 1.5  |      | 7.0  | 5.5  | 8.0  | 8.0  |
| 23-24 | 2.5  |      | 10.0 |      | 3.0  | 3.5  | 5.0  | 6.0  | 6.0  | 5.0  | 5.0  | 8.5  | 6.5  |      | 6.5  | 5.5  |      | 11.0 | 12.5 | 4.0  | 4.5  | 3.0  |      |
| 24-25 |      |      | 0.5  |      | 7.0  | 1.5  | 8.5  | 12.0 | 7.0  | 6.0  | 3.5  | 10.0 | 4.5  | 7.5  | 8.5  | 8.5  |      | 9.5  | 8.5  | 1.5  | 3.5  | 7.5  | 8.0  |
| 25-26 |      | 1.5  |      |      | 2.0  |      | 2.5  | 3.0  | 7.5  | 7.0  | 2.0  | 12.0 | 2.5  |      | 11.0 |      |      | 8.0  |      | 9.0  | 2.5  | 3.0  |      |
| 26-27 |      | 12.5 | 12.0 |      | 6.0  | 8.0  | 5.5  | 9.0  | 8.0  | 8.0  | 0.5  |      | 11.5 | 6.5  |      | 1.5  |      | 6.5  | 11.0 | 6.5  | 1.0  | 7.5  | 8.0  |
| 27-28 | 2.0  |      | 2.5  | 12.5 | 1.0  | 6.0  | 9.0  |      | 9.0  | 9.5  | 6.5  | 2.0  | 9.0  |      | 2.5  | 4.5  |      | 5.0  |      | 4.0  | 11.5 | 2.5  |      |
| 28-29 |      |      |      | 10.5 | 5.0  | 4.0  | 3.0  | 5.5  | 9.5  | 10.5 | 5.0  | 3.5  | 7.0  | 5.5  | 4.5  | 7.5  |      | 3.0  |      | 1.0  | 10.5 | 7.0  | 8.0  |
| 29-30 |      |      |      |      | 9.5  | 2.0  | 6.0  | 11.5 | 10.0 | 11.5 | 3.5  | 5.0  | 5.0  |      | 7.0  |      |      | 1.5  | 9.5  | 9.0  | 9.5  | 2.0  |      |
| 30-31 |      | 3.0  |      |      | 4.0  |      | 9.0  | 2.5  | 10.5 |      | 2.0  | 6.5  | 3.0  | 4.5  | 9.0  |      |      | 11.0 |      | 6.0  | 8.0  | 6.5  | 7.5  |

|       | VX   | AR   | DL   | DY   | SZ   | UU   | DG   | DH   | RR   | SS   | TV   | WW   | SZ  | RZ   | AV   | RV   |
|-------|------|------|------|------|------|------|------|------|------|------|------|------|-----|------|------|------|
|       | HER  | HER  | HER  | HER  | HYA  | HYA  | HYA  | HYA  | LEO  | LEO  | LEO  | LEO  | LYN | LYR  | PEG  | UMA  |
| MAX   | 9.9  | 10.6 | 11   | 10.2 | 10.6 | 10.7 | 11.6 | 11.4 | 10   | 10.5 | 11.5 | 11   | 9.1 | 10   | 9.9  | 10.1 |
| MIN   | 10.4 | 11.6 | 12.4 | 10.6 | 11.7 | 12.3 | 12.6 | 12.6 | 11.7 | 12   | 12.6 | 12   | 9.6 | 12   | 10.9 | 11.2 |
| RISE  | 2    | 2    | 1    | 1    | 2    | 2    | 3    | 2    | 2    | 2    | 2    | 3    | 1   | 2    | 2    | 3    |
| 0- 1  |      | 3.0  | 6.0  | 9.0  |      | 4.0  |      | 6.0  | 4.5  | 11.5 | 2.5  |      | 1.5 | 9.5  | 10.0 | 6.5  |
| 1- 2  | 12.0 | 1.5  | 10.5 | 6.5  |      | 5.5  |      | 5.5  | 2.5  | 2.5  | 11.0 | 4.5  | 3.5 | 10.0 |      | 5.0  |
| 2- 3  | 9.5  | 11.5 |      |      |      | 6.5  | 5.5  | 5.0  | 11.0 | 8.5  | 3.0  | 9.5  | 5.5 | 10.5 |      | 3.5  |
| 3- 4  | 7.5  | 10.0 |      | 12.0 | 2.0  | 7.5  |      | 4.5  | 8.5  |      | 11.5 |      | 8.0 | 11.0 |      | 2.0  |
| 4- 5  | 5.5  | 8.5  | 9.5  | 9.5  | 4.0  | 9.0  |      | 4.0  | 6.5  | 5.5  | 3.5  | 5.0  | 1.0 | 11.5 |      | 0.5  |
| 5- 6  |      | 7.0  |      | 6.5  | 5.5  | 10.0 | 6.0  | 3.5  | 4.0  | 12.0 |      | 9.5  | 3.0 | 12.0 | 11.5 | 10.0 |
| 6- 7  | 12.0 | 5.5  |      |      | 7.5  |      |      | 3.0  | 2.0  | 3.0  | 4.0  |      | 5.0 |      |      | 8.5  |
| 7- 8  | 10.0 | 4.0  | 8.5  | 12.0 | 9.5  |      |      | 2.5  | 10.5 | 9.0  |      | 5.0  | 7.0 |      | 10.5 | 7.0  |
| 8- 9  | 7.5  | 2.5  |      | 9.5  |      | 1.0  | 6.5  | 1.5  | 8.0  |      | 4.5  | 10.0 | 0.5 |      |      | 5.5  |
| 9-10  | 5.5  | 1.0  |      | 7.0  |      | 2.0  | 0.5  | 1.0  | 6.0  | 6.0  |      | 0.5  | 2.5 |      |      | 4.0  |
| 10-11 |      | 11.0 | 7.5  |      | 1.5  | 3.0  |      | 0.5  | 3.5  | 12.0 | 5.0  | 5.5  | 4.5 |      |      | 2.5  |
| 11-12 | 12.0 | 9.5  | 12.0 | 12.5 | 3.5  | 4.0  | 7.0  |      | 1.5  | 3.0  |      | 10.5 | 6.5 |      |      | 1.0  |
| 12-13 | 10.0 | 8.0  |      | 10.0 | 5.5  | 5.5  | 1.0  |      | 10.0 | 9.0  | 5.0  | 1.0  | 8.5 |      | 12.5 | 10.5 |
| 13-14 | 8.0  | 6.5  | 6.5  | 7.5  | 7.0  | 6.5  |      |      | 7.5  |      |      | 6.0  | 2.0 |      |      | 9.0  |
| 14-15 | 6.0  | 5.5  | 11.0 |      | 9.0  | 7.5  | 7.5  |      | 5.5  | 6.5  | 5.5  |      | 4.0 |      | 11.0 | 7.5  |
| 15-16 |      | 4.0  |      |      |      | 9.0  | 1.5  |      | 3.0  | 12.5 |      | 1.0  | 6.0 |      |      | 6.0  |
| 16-17 | 12.5 | 2.5  | 5.5  | 10.0 |      | 10.0 |      | 9.5  | 0.5  | 3.5  | 6.0  | 6.0  | 8.0 | 5.5  | 10.0 | 4.5  |
| 17-18 | 10.5 | 12.5 | 10.0 | 7.5  | 1.5  |      | 7.5  | 8.5  | 9.5  | 9.5  |      |      | 1.5 | 6.5  |      | 3.0  |
| 18-19 | 8.0  | 11.0 |      | 5.0  | 3.0  |      | 2.0  | 8.0  | 7.0  | 0.5  | 6.5  | 1.5  | 3.5 | 7.0  |      | 1.5  |
| 19-20 | 6.0  | 9.5  |      |      | 5.0  | 1.0  |      | 7.5  | 4.5  | 6.5  |      | 6.5  | 5.5 | 7.5  |      | 11.0 |
| 20-21 |      | 8.0  | 9.0  | 10.5 | 6.5  | 2.0  | 8.0  | 7.0  | 2.5  |      | 7.0  |      | 7.5 | 8.0  |      | 9.5  |
| 21-22 |      | 6.5  |      | 8.0  | 8.5  | 3.0  | 2.0  | 6.5  | 11.0 | 3.5  |      | 2.0  | 1.0 | 8.5  | 12.0 | 8.0  |
| 22-23 | 10.5 | 5.0  |      | 5.5  |      | 4.0  |      | 6.0  | 8.5  | 9.5  | 7.5  | 7.0  | 3.0 | 9.0  |      | 6.5  |
| 23-24 | 8.5  | 3.5  | 8.0  |      |      | 5.5  | 8.5  | 5.5  | 6.5  | 0.5  |      |      | 5.0 | 9.5  | 10.5 | 5.0  |
| 24-25 | 6.0  | 2.0  | 12.5 | 11.0 | 1.0  | 6.5  | 2.5  | 5.0  | 4.0  | 7.0  | 8.0  | 2.0  | 7.0 | 10.0 |      | 3.5  |
| 25-26 |      | 12.0 |      | 8.5  | 3.0  | 7.5  |      | 4.5  | 2.0  |      |      | 7.0  | 0.5 | 10.5 |      | 2.0  |
| 26-27 |      | 10.5 | 7.0  | 5.5  | 4.5  | 9.0  | 9.0  | 4.0  | 10.5 | 4.0  | 8.5  |      | 2.5 | 11.0 |      | 0.5  |
| 27-28 | 10.5 | 9.0  | 11.5 |      | 6.5  | 10.0 | 3.0  | 3.5  | 8.0  | 10.0 | 0.5  | 2.5  | 4.5 | 11.5 |      | 10.0 |
| 28-29 | 8.5  | 7.5  |      | 11.0 | 8.0  |      |      | 3.0  | 6.0  | 1.0  | 9.0  | 7.5  | 6.5 | 12.0 | 12.5 | 8.5  |
| 29-30 | 6.5  | 6.5  | 6.0  | 8.5  |      |      | 9.5  | 2.5  | 3.5  | 7.0  | 1.0  |      | 8.5 |      |      | 7.0  |
| 30-31 |      | 5.0  | 10.5 | 6.0  |      | 1.0  | 3.5  | 2.0  | 1.5  |      | 9.5  | 3.0  | 2.0 |      | 11.5 | 5.5  |

|       | SW   | XX   | AT   | SW   | TZ   | BH   | RS   | ST   | SW   | SZ   | TV   | TW   | UU   | UY   | RW   | TT   | XZ   | DM   | RW   | XZ   | RR   | TW   | VX   |
|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|       | AND  | AND  | AND  | AQR  | AUR  | AUR  | BOO  | BOO  | BOO  | BOO  | BOO  | BOO  | BOO  | BOO  | CNC  | CNC  | CYG  | CYG  | DRA  | DRA  | GEM  | HER  | HER  |
| MAX   | 9.3  | 10.3 | 10.8 | 10.5 | 11.2 | 11.1 | 9.8  | 10.6 | 11.3 | 12   | 10.8 | 10.8 | 11.2 | 10.6 | 10.7 | 11   | 9.1  | 11.2 | 11   | 9.6  | 10.7 | 10.5 | 9.9  |
| MIN   | 10.8 | 11.6 | 11.5 | 12.1 | 12.8 | 12.6 | 11.3 | 11.8 | 12.7 | 13.4 | 11.5 | 12.1 | 12.7 | 12   | 12.6 | 12.3 | 10.5 | 12.7 | 12   | 10.3 | 11.9 | 11.8 | 10.4 |
| RISE  | 2    | 3    | 3    | 1    | 2    | 2    | 2    | 3    | 2    | 2    | 3    | 2    | 1    | 2    | 2    | 3    | 3    | 2    | 2    | 3    | 2    | 2    | 2    |
| 0- 1  |      |      | 10.5 |      | 8.5  |      | 3.5  | 8.5  | 11.5 | 1.0  | 8.0  | 8.5  | 1.0  | 11.5 |      | 3.0  | 9.5  |      | 3.5  | 7.0  | 2.0  |      |      |
| 1- 2  | 9.5  |      | 1.0  |      | 3.0  |      | 6.5  |      |      | 2.0  | 6.5  | 10.0 | 10.0 | 3.0  |      | 6.0  | 8.0  | 8.0  | 11.5 | 6.0  | 6.5  | 7.5  | 11.0 |
| 2- 3  |      |      |      | 11.5 | 7.5  | 4.5  | 9.5  | 5.0  |      | 3.5  | 5.0  | 11.5 | 8.0  | 10.5 | 3.0  |      | 6.5  |      | 8.5  | 5.0  | 1.5  |      | 9.0  |
| 3- 4  |      | 11.0 |      | 9.5  | 2.0  | 2.0  | 4.0  | 11.0 | 1.0  | 4.5  | 3.5  |      | 5.5  | 2.0  | 5.0  |      | 5.0  | 10.5 | 6.0  | 3.5  | 6.0  | 7.5  | 6.5  |
| 4- 5  |      |      |      |      | 6.5  |      | 7.0  | 2.0  | 1.5  | 5.5  | 2.0  | 1.5  | 3.5  | 9.5  | 7.5  | 1.5  | 3.0  | 6.5  | 3.0  | 2.5  | 1.0  |      | 4.5  |
| 5- 6  |      |      | 9.0  |      | 1.0  |      | 1.0  | 8.0  | 2.5  | 6.5  | 8.0  | 3.5  | 1.5  | 1.0  | 9.5  | 4.5  | 1.5  |      | 11.0 | 1.5  | 6.0  | 7.5  | 2.5  |
| 6- 7  |      |      |      |      | 5.5  |      | 4.0  |      | 3.0  | 7.5  | 6.5  | 5.0  | 10.5 | 8.0  |      | 7.5  | 11.0 | 9.0  | 8.5  | 11.5 |      |      | 11.0 |
| 7- 8  |      | 2.0  |      |      |      | 4.5  | 7.5  | 4.5  | 3.5  | 9.0  | 5.0  | 6.5  | 8.5  |      | 1.0  |      | 9.5  |      | 5.5  | 10.5 | 5.5  | 7.5  | 9.0  |
| 8- 9  | 11.5 |      | 11.0 | 11.0 | 4.5  | 2.5  | 1.5  | 10.5 | 4.5  | 10.0 | 3.5  | 8.0  | 6.5  | 7.0  | 3.0  |      | 8.0  | 11.5 | 3.0  | 9.5  |      |      | 7.0  |
| 9-10  |      |      | 1.5  | 9.0  | 8.5  |      | 4.5  | 1.5  | 5.0  | 11.0 | 2.0  | 9.5  | 4.5  |      | 5.5  | 3.5  | 6.5  | 7.5  | 10.5 | 8.5  | 5.0  | 7.5  | 4.5  |
| 10-11 |      |      |      |      | 3.5  |      | 8.0  | 7.5  | 5.5  |      | 8.0  | 11.0 | 2.0  | 6.0  | 8.0  | 6.5  | 4.5  |      | 8.0  | 7.0  |      |      | 2.5  |
| 11-12 |      | 10.0 |      |      | 7.5  |      | 2.0  |      | 6.0  |      | 6.5  |      | 11.0 |      |      |      | 3.0  | 10.0 | 5.0  | 6.0  | 5.0  | 7.5  | 11.5 |
| 12-13 | 11.0 |      |      |      | 2.5  | 5.0  | 5.0  | 4.0  | 7.0  | 1.5  | 5.0  | 1.5  | 9.0  | 5.0  |      |      | 1.5  |      | 2.5  | 5.0  |      |      | 9.0  |
| 13-14 |      |      | 9.0  |      | 6.5  | 3.0  | 8.5  | 10.0 | 7.5  | 3.0  | 3.5  | 3.0  | 7.0  |      | 1.5  | 2.0  | 11.0 |      | 10.5 | 4.0  | 4.5  | 7.5  | 7.0  |
| 14-15 |      |      |      | 10.0 | 1.5  |      | 2.5  | 1.0  | 8.0  | 4.0  | 2.0  | 4.5  | 5.0  | 3.5  | 3.5  | 5.0  | 9.5  | 8.5  | 7.5  | 2.5  |      |      | 5.0  |
| 15-16 |      |      |      | 8.5  | 5.5  |      | 5.5  | 7.0  | 9.0  | 5.0  | 8.0  | 6.0  | 3.0  | 11.0 | 6.0  |      | 8.0  |      | 5.0  | 1.5  | 4.0  | 7.5  | 3.0  |
| 16-17 | 10.5 | 11.5 | 11.5 |      |      |      | 9.0  |      | 9.5  | 6.0  | 6.5  | 7.5  | 11.5 | 2.5  | 8.0  |      | 6.5  | 10.5 | 2.0  |      |      |      | 11.5 |
| 17-18 |      |      |      |      | 4.5  | 5.5  | 3.0  | 3.5  | 10.0 | 7.0  | 5.0  | 9.0  | 9.5  | 10.0 |      |      | 4.5  | 7.0  | 10.0 | 10.5 | 4.0  | 7.5  | 9.5  |
| 18-19 |      |      | 7.5  |      |      | 3.5  | 6.0  | 9.5  | 11.0 | 8.5  | 3.5  | 10.5 | 7.5  | 1.5  |      | 3.5  | 3.0  |      | 7.5  | 9.5  |      |      | 7.5  |
| 19-20 |      |      |      | 11.5 | 3.5  | 1.5  | 9.0  |      | 11.5 | 9.5  | 2.0  |      | 5.5  | 8.5  | 2.0  | 6.5  | 1.5  | 9.5  | 4.5  | 8.5  | 3.5  | 7.5  | 5.0  |
| 20-21 | 10.0 | 2.0  |      | 9.5  | 8.0  |      | 3.5  | 6.5  |      | 10.5 | 8.0  | 1.0  | 3.5  |      | 4.0  |      | 11.0 |      | 2.0  | 7.5  |      |      | 3.0  |
| 21-22 |      |      | 9.5  |      | 2.5  |      | 6.5  |      |      | 11.5 | 6.5  | 2.5  | 1.5  | 7.5  | 6.5  |      | 9.5  | 11.5 | 9.5  | 6.0  | 3.0  | 7.0  |      |
| 22-23 |      |      |      |      | 7.0  | 6.0  | 9.5  | 3.0  | 1.0  |      | 5.0  | 4.0  | 10.5 |      | 8.5  | 2.5  | 8.0  | 8.0  | 7.0  | 5.0  | 8.0  |      | 9.5  |
| 23-24 |      |      |      |      | 1.5  | 4.0  | 4.0  | 9.0  | 1.5  | 1.0  | 3.5  | 5.5  | 8.0  | 6.5  |      | 5.5  | 6.5  |      | 4.0  | 4.0  | 3.0  | 7.0  | 7.5  |
| 24-25 | 9.5  | 10.0 | 11.5 |      | 6.0  | 1.5  | 7.0  |      | 2.5  | 2.5  | 2.0  | 7.0  | 6.0  |      |      |      | 4.5  | 10.0 | 1.5  | 3.0  | 7.5  |      | 5.5  |
| 25-26 |      |      |      | 11.0 |      |      | 1.0  | 6.0  | 3.0  | 3.5  | 8.0  | 8.5  | 4.0  | 5.5  | 2.5  |      | 3.0  | 6.5  | 9.5  | 1.5  | 2.5  | 7.0  | 3.0  |
| 26-27 |      |      | 8.0  | 9.0  | 5.0  |      | 4.0  | 11.5 | 3.5  | 4.5  | 6.5  | 10.0 | 2.0  |      | 4.5  | 1.0  | 1.5  |      | 6.5  |      | 7.0  |      |      |
| 27-28 |      |      |      |      |      |      | 7.5  | 2.5  | 4.5  | 5.5  | 5.0  |      | 11.0 | 4.0  | 7.0  | 4.0  | 11.0 | 8.5  | 4.0  | 11.0 | 2.0  | 7.0  | 10.0 |
| 28-29 |      |      |      |      | 4.0  | 4.0  | 1.5  | 8.5  | 5.0  | 6.5  | 3.5  |      | 9.0  | 11.5 | 9.0  | 7.0  | 9.5  |      | 1.0  | 9.5  | 7.0  |      | 7.5  |
| 29-30 |      | 11.5 | 10.0 |      | 8.0  | 2.0  | 4.5  |      | 5.5  | 8.0  | 2.0  | 2.0  | 7.0  | 3.0  |      |      | 8.0  | 11.0 | 9.0  | 8.5  | 2.0  | 7.0  | 5.5  |



|       | AR   | DL   | DY   | SZ   | UU   | DG   | DH   | RR   | SS   | TV   | WW  | SZ  | RZ   | AV   | RV   |
|-------|------|------|------|------|------|------|------|------|------|------|-----|-----|------|------|------|
|       | HER  | HER  | HER  | HYA  | HYA  | HYA  | HYA  | LEO  | LEO  | LEO  | LEO | LYN | LYR  | PEG  | UMA  |
| MAX   | 10.6 | 11   | 10.2 | 10.6 | 10.7 | 11.6 | 11.4 | 10   | 10.5 | 11.5 | 11  | 9.1 | 10   | 9.9  | 10.1 |
| MIN   | 11.6 | 12.4 | 10.6 | 11.7 | 12.3 | 12.6 | 12.6 | 11.7 | 12   | 12.6 | 12  | 9.6 | 12   | 10.9 | 11.2 |
| RISE  | 2    | 1    | 1    | 2    | 2    | 3    | 2    | 2    | 2    | 2    | 3   | 1   | 2    | 2    | 3    |
|       |      |      |      |      |      |      |      |      |      |      |     |     |      |      |      |
| 0- 1  | 3.5  |      | 3.5  |      | 2.0  |      | 1.5  | 10.0 | 4.0  | 1.5  | 8.0 | 4.0 |      |      | 4.0  |
| 1- 2  | 2.0  | 5.0  | 11.5 | 2.5  | 3.0  |      |      | 7.5  | 10.0 |      |     | 6.0 |      | 10.0 | 2.5  |
| 2- 3  |      | 9.5  | 9.0  | 4.0  | 4.5  | 4.0  |      | 5.5  | 1.0  | 2.0  | 3.0 | 8.0 |      |      | 1.0  |
| 3- 4  | 10.5 |      | 6.5  | 6.0  | 5.5  |      |      | 3.0  | 7.5  |      | 8.0 | 1.5 |      | 9.0  | 10.5 |
| 4- 5  | 9.0  | 4.0  | 3.5  |      | 6.5  |      |      |      |      | 2.5  |     | 3.5 | 3.5  |      | 9.0  |
| 5- 6  | 7.5  | 8.5  |      |      | 7.5  | 4.5  |      | 9.5  | 4.5  |      | 3.5 | 5.5 | 4.0  | 8.0  | 7.5  |
| 6- 7  | 6.0  |      | 9.0  |      |      |      |      | 7.0  |      | 2.5  | 8.5 | 7.5 | 5.0  |      | 6.0  |
| 7- 8  | 4.5  |      | 6.5  |      |      |      |      | 4.5  | 1.5  |      |     | 1.0 | 5.5  |      | 4.5  |
| 8- 9  | 3.0  | 7.5  | 4.0  | 2.0  |      | 4.5  |      | 2.5  | 7.5  | 3.0  | 4.0 | 3.0 | 6.0  | 11.0 | 3.0  |
| 9-10  | 1.5  | 11.5 |      | 4.0  |      |      |      |      |      |      |     | 5.0 | 6.5  |      | 1.5  |
| 10-11 | 11.5 |      | 9.5  | 5.5  |      |      |      | 8.5  | 4.5  | 3.5  |     | 7.0 | 7.0  | 9.5  | 11.0 |
| 11-12 | 10.0 | 6.5  | 7.0  | 7.5  | 2.0  | 5.0  | 7.5  | 6.5  |      |      | 4.5 | 9.0 | 7.5  |      | 9.5  |
| 12-13 | 8.5  | 10.5 | 4.5  |      | 3.0  |      | 6.5  | 4.0  | 1.5  | 4.0  |     | 2.5 | 8.0  | 8.5  | 8.0  |
| 13-14 | 7.0  |      |      |      | 4.5  |      | 6.0  | 2.0  | 8.0  |      |     | 4.5 | 8.5  |      | 6.5  |
| 14-15 | 6.0  | 5.5  | 10.0 |      | 5.5  | 5.5  | 5.5  |      |      | 4.5  | 4.5 | 6.5 | 9.0  |      | 5.0  |
| 15-16 | 4.5  | 9.5  | 7.0  | 1.5  | 6.5  |      | 5.0  | 8.0  | 5.0  |      |     | 8.5 | 9.5  | 11.5 | 3.5  |
| 16-17 | 3.0  |      | 4.5  | 3.5  | 7.5  |      | 4.5  | 6.0  |      | 5.0  |     | 2.0 | 10.0 |      | 2.0  |
| 17-18 | 1.5  | 4.5  |      | 5.0  |      | 6.0  | 4.0  | 3.5  | 2.0  |      | 5.0 | 4.0 | 10.5 | 10.0 | 11.5 |
| 18-19 | 11.5 | 8.5  | 10.0 | 7.0  |      |      | 3.5  | 1.5  | 8.0  | 5.5  |     | 6.0 | 11.5 |      | 10.0 |
| 19-20 | 10.0 |      | 7.5  |      |      |      | 3.0  | 10.0 |      |      |     | 8.0 |      | 9.0  | 8.5  |
| 20-21 | 8.5  |      | 5.0  |      |      | 6.5  | 2.5  | 7.5  | 5.0  | 6.0  | 5.5 | 1.5 |      |      | 7.0  |
| 21-22 | 7.0  | 7.5  |      |      |      |      | 2.0  | 5.5  |      |      |     | 3.5 |      | 8.0  | 5.5  |
| 22-23 | 5.5  |      | 10.5 | 1.0  | 2.0  |      | 1.5  | 3.0  | 2.0  | 6.5  |     | 5.5 |      |      | 4.0  |
| 23-24 | 4.0  |      | 8.0  | 3.0  | 3.0  | 6.5  | 1.0  |      | 8.5  |      | 5.5 | 7.5 |      |      | 2.5  |
| 24-25 | 2.5  | 6.5  | 5.5  | 5.0  | 4.5  |      |      | 9.5  |      | 7.0  |     | 9.5 |      | 11.0 | 1.0  |
| 25-26 | 1.0  | 11.0 |      | 6.5  | 5.5  |      |      | 7.0  | 5.5  |      | 1.0 | 3.0 |      |      | 10.5 |
| 26-27 | 11.0 |      | 11.0 |      | 6.5  | 7.0  |      | 4.5  |      | 7.0  | 6.0 | 5.0 |      | 9.5  | 9.0  |
| 27-28 | 9.5  | 5.5  | 8.0  |      | 8.0  | 1.0  |      | 2.5  | 2.5  |      |     | 7.0 | 4.0  |      | 7.5  |
| 28-29 | 8.0  | 10.0 | 5.5  |      |      |      |      |      | 8.5  | 7.5  | 1.5 | 9.0 | 4.5  | 8.5  | 6.0  |
| 29-30 | 6.5  |      | 3.0  |      |      |      |      | 8.5  |      |      | 6.5 | 2.5 | 5.0  |      | 4.5  |

|       | SW   | XX   | AT   | SW   | TZ   | BH   | RS   | ST   | SW   | SZ   | TV   | TW   | UU   | UY   | RW   | TT   | RR   | XZ   | DM   | RW   | XZ   | RR   | TW   |
|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|       | AND  | AND  | AND  | AQR  | AUR  | AUR  | BOO  | BOO  | BOO  | BOO  | BOO  | BOO  | BOO  | BOO  | CNC  | CNC  | CET  | CYG  | CYG  | DRA  | DRA  | GEM  | HER  |
| MAX   | 9.3  | 10.3 | 10.8 | 10.5 | 11.2 | 11.1 | 9.8  | 10.6 | 11.3 | 12   | 10.8 | 10.8 | 11.2 | 10.6 | 10.7 | 11   | 9.3  | 9.1  | 11.2 | 11   | 9.6  | 10.7 | 10.5 |
| MIN   | 10.8 | 11.6 | 11.5 | 12.1 | 12.8 | 12.6 | 11.3 | 11.8 | 12.7 | 13.4 | 11.5 | 12.1 | 12.7 | 12   | 12.6 | 12.3 | 10.3 | 10.5 | 12.7 | 12   | 10.3 | 11.9 | 11.8 |
| RISE  | 2    | 3    | 3    | 1    | 2    | 2    | 2    | 3    | 2    | 2    | 3    | 2    | 1    | 2    | 2    | 3    | 2    | 3    | 2    | 2    | 3    | 2    | 2    |
| 0- 1  |      |      |      |      | 3.0  |      | 8.0  | 5.5  | 6.5  | 9.0  | 8.0  | 3.5  | 4.5  | 10.5 |      |      |      | 6.5  | 7.5  | 6.5  | 7.5  |      | 2.0  |
| 1- 2  |      |      | 6.5  | 10.0 |      |      | 2.0  | 11.0 | 7.0  | 10.0 | 6.5  | 5.0  | 2.5  | 2.0  | 3.0  | 2.5  |      | 4.5  |      | 3.5  | 6.5  | 1.5  | 7.0  |
| 2- 3  | 8.5  | 9.0  |      | 8.0  | 2.0  |      | 5.0  | 2.0  | 7.5  | 11.0 | 5.0  | 7.0  |      | 9.0  | 5.0  | 6.0  |      | 3.0  | 9.5  |      | 5.0  |      | 2.0  |
| 3- 4  |      |      |      | 6.0  | 6.0  |      | 8.5  | 8.0  | 8.0  |      | 3.5  | 8.5  | 9.5  |      | 7.5  |      |      | 1.5  | 6.0  | 8.5  | 4.0  |      | 7.0  |
| 4- 5  |      |      | 8.5  |      |      | 2.5  | 2.5  |      | 9.0  |      | 2.5  | 10.0 | 7.5  | 8.0  |      |      |      | 11.0 |      | 6.0  | 3.0  | 6.0  | 2.0  |
| 5- 6  | 11.0 |      |      |      | 5.0  |      | 5.5  | 5.0  | 9.5  | 2.0  | 8.5  |      | 5.5  |      |      | 1.5  |      | 9.5  | 8.0  | 3.0  | 2.0  |      | 7.0  |
| 6- 7  | 8.0  |      |      |      |      |      | 8.5  | 10.5 | 10.0 | 3.0  | 7.0  |      | 3.5  | 7.0  |      | 4.5  |      | 8.0  | 4.5  | 11.0 |      | 5.5  | 2.0  |
| 7- 8  |      | 10.5 | 10.5 | 9.5  | 4.0  |      | 3.0  | 1.5  | 11.0 | 4.0  | 5.5  | 1.5  |      |      | 3.5  |      |      | 6.0  | 10.5 | 8.5  | 11.0 |      | 7.0  |
| 8- 9  |      |      |      | 7.5  |      |      | 6.0  | 7.5  |      | 5.0  | 4.0  | 3.5  | 10.0 | 6.0  | 5.5  |      |      | 4.5  | 6.5  | 5.5  | 10.0 | 5.0  | 2.0  |
| 9-10  | 10.5 |      | 7.0  |      | 3.0  | 3.0  | 9.0  |      |      | 6.0  | 2.5  | 5.0  | 8.0  |      | 8.0  |      |      | 3.0  |      | 3.0  | 8.5  |      | 7.0  |
| 10-11 | 7.5  | 7.5  |      |      |      |      | 3.5  | 4.5  |      | 7.5  | 8.5  | 6.5  | 6.0  | 4.5  |      | 3.0  |      | 1.5  | 9.0  | 11.0 | 7.5  | 5.0  | 2.0  |
| 11-12 |      |      |      |      | 2.0  |      | 6.5  | 10.0 |      | 8.5  | 7.0  | 8.0  | 4.0  |      |      |      |      | 11.0 | 5.5  | 8.0  | 6.5  |      | 6.5  |
| 12-13 |      |      | 9.0  | 10.5 | 6.5  |      | 9.5  |      | 1.5  | 9.5  | 5.5  | 9.5  | 2.0  | 3.5  | 1.5  |      |      | 9.5  |      | 5.5  | 5.5  | 4.5  | 2.0  |
| 13-14 | 10.0 |      |      | 8.5  |      |      | 3.5  | 7.0  | 2.5  | 10.5 | 4.0  | 11.0 | 11.0 | 11.0 | 3.5  |      |      | 8.0  | 7.5  | 2.5  | 4.0  |      | 6.5  |
| 14-15 |      |      | 5.5  | 7.0  | 5.5  | 3.5  | 7.0  |      | 3.0  |      | 2.5  |      | 8.5  | 2.5  | 6.0  | 1.5  |      | 6.0  |      | 10.5 | 3.0  | 4.0  | 2.0  |
| 15-16 |      | 9.0  | 11.0 |      |      |      | 10.0 | 3.5  | 3.5  |      | 8.5  |      | 6.5  | 9.5  |      | 5.0  | 10.5 | 4.5  | 10.0 | 7.5  | 2.0  |      | 6.5  |
| 16-17 |      |      |      |      | 4.5  |      | 4.0  | 9.5  | 4.5  |      | 7.0  | 3.0  | 4.5  |      |      |      |      | 3.0  | 6.0  | 5.0  |      | 4.0  | 2.0  |
| 17-18 | 9.5  |      | 7.5  |      |      |      | 7.5  |      | 5.0  | 2.5  | 5.5  | 4.5  | 2.5  | 8.5  |      |      |      | 1.5  |      | 2.0  | 11.0 |      | 6.5  |
| 18-19 |      |      |      | 10.0 | 3.5  |      | 1.5  | 6.5  | 5.5  | 3.5  | 4.0  | 6.0  |      |      | 2.0  |      |      | 11.0 | 8.5  | 10.0 | 10.0 | 3.5  | 2.0  |
| 19-20 |      |      |      | 8.0  |      | 3.5  | 4.5  |      | 6.5  | 4.5  | 2.5  | 7.5  | 9.5  | 7.5  | 4.0  | 3.5  |      | 9.5  | 4.5  | 7.5  | 9.0  |      | 6.5  |
| 20-21 |      | 10.5 | 9.5  |      | 2.5  | 1.5  | 8.0  | 3.0  | 7.0  | 5.5  | 8.5  | 9.0  | 7.0  |      | 6.5  |      |      | 8.0  | 11.0 | 4.5  | 7.5  | 3.0  | 1.5  |
| 21-22 | 9.0  |      |      |      | 6.5  |      | 2.0  | 9.0  | 7.5  | 7.0  | 7.0  | 10.5 | 5.0  | 6.0  |      |      |      | 6.0  | 7.0  | 2.0  | 6.5  |      | 6.5  |
| 22-23 |      |      | 6.0  |      |      |      | 5.0  |      | 8.0  | 8.0  | 5.5  |      | 3.0  |      |      |      |      | 4.5  |      | 10.0 | 5.5  | 3.0  | 1.5  |
| 23-24 |      | 8.0  |      |      | 5.5  |      | 8.5  | 6.0  | 9.0  | 9.0  | 4.0  |      |      | 5.0  |      | 2.0  |      | 3.0  | 9.5  | 7.0  | 4.5  |      | 6.5  |
| 24-25 |      |      |      | 9.5  |      | 4.0  | 2.5  |      | 9.5  | 10.0 | 2.5  | 2.5  | 10.0 |      | 2.5  | 5.0  |      | 1.5  | 5.5  | 4.5  | 3.0  | 2.5  | 1.5  |
| 25-26 | 8.5  |      | 8.0  | 7.5  | 4.5  | 2.0  | 5.5  | 2.5  | 10.0 | 11.0 | 8.5  | 4.0  | 8.0  | 4.0  | 4.5  |      |      | 11.0 |      | 1.5  | 2.0  |      | 6.5  |
| 26-27 |      |      |      |      |      |      | 8.5  | 8.5  | 11.0 |      | 7.0  | 5.5  | 6.0  |      | 7.0  |      |      | 9.5  | 8.0  | 9.5  |      | 2.0  | 1.5  |
| 27-28 |      |      |      |      | 3.5  |      | 3.0  |      |      |      | 5.5  | 7.0  | 3.5  | 3.0  |      |      |      | 8.0  |      | 6.5  |      |      | 6.5  |
| 28-29 | 11.0 | 9.5  | 10.0 |      |      |      | 6.0  | 5.5  |      | 2.0  | 4.0  | 8.5  | 1.5  | 10.0 |      | 4.0  |      | 6.0  | 10.5 | 4.0  | 10.0 | 2.0  | 1.5  |
| 29-30 | 8.0  |      |      | 10.5 | 2.5  |      | 9.0  |      |      | 3.0  | 2.5  | 10.5 | 10.5 | 1.5  |      |      |      | 4.5  | 6.5  |      | 9.0  |      | 6.5  |
| 30-31 |      |      | 6.5  | 8.5  | 6.5  | 2.5  | 3.5  | 2.0  |      | 4.0  | 8.5  |      | 8.5  | 9.0  | 3.0  |      |      | 3.0  |      | 9.0  | 8.0  | 1.5  | 1.5  |

|       | VX   | AR   | DL   | DY   | SZ   | UU   | DG   | DH   | RR   | SS   | TV   | WW  | SZ  | RZ   | AV   | RV   |
|-------|------|------|------|------|------|------|------|------|------|------|------|-----|-----|------|------|------|
|       | HER  | HER  | HER  | HER  | HYA  | HYA  | HYA  | HYA  | LEO  | LEO  | LEO  | LEO | LYN | LYR  | PEG  | UMA  |
| MAX   | 9.9  | 10.6 | 11   | 10.2 | 10.6 | 10.7 | 11.6 | 11.4 | 10   | 10.5 | 11.5 | 11  | 9.1 | 10   | 9.9  | 10.1 |
| MIN   | 10.4 | 11.6 | 12.4 | 10.6 | 11.7 | 12.3 | 12.6 | 12.6 | 11.7 | 12   | 12.6 | 12  | 9.6 | 12   | 10.9 | 11.2 |
| RISE  | 2    | 2    | 1    | 1    | 2    | 2    | 3    | 2    | 2    | 2    | 2    | 3   | 1   | 2    | 2    | 3    |
| 0- 1  | 3.5  | 5.5  | 4.5  | 11.0 | 2.5  |      | 1.5  |      | 6.5  | 5.5  |      |     | 4.5 | 5.5  | 7.5  | 3.0  |
| 1- 2  |      | 4.0  | 9.0  | 8.5  | 4.5  |      |      |      | 4.0  |      |      | 1.5 | 6.5 | 6.0  |      | 1.5  |
| 2- 3  | 10.0 | 2.5  |      | 6.0  |      |      |      |      | 2.0  | 2.5  |      | 6.5 |     | 6.5  | 6.5  | 11.0 |
| 3- 4  | 8.0  |      | 3.5  | 3.5  |      | 2.0  | 2.0  |      |      |      |      |     | 2.0 | 7.0  | 10.5 | 9.5  |
| 4- 5  | 6.0  | 11.0 | 8.0  |      |      | 3.0  |      |      | 8.0  |      |      | 2.0 | 4.0 | 7.5  |      | 8.0  |
| 5- 6  | 3.5  | 9.5  |      | 9.0  |      | 4.5  |      |      | 6.0  | 6.0  |      |     | 6.0 | 8.0  | 9.0  | 6.5  |
| 6- 7  | 1.5  | 8.0  | 2.5  | 6.0  |      | 5.5  | 2.5  |      | 3.5  |      |      |     | 8.0 | 8.5  |      | 5.0  |
| 7- 8  | 10.5 | 6.5  | 7.0  | 3.5  | 2.0  |      |      | 5.5  |      | 3.0  | 1.5  | 2.5 |     | 9.5  | 8.0  | 3.5  |
| 8- 9  | 8.0  | 5.0  |      |      | 4.0  |      |      | 5.0  |      |      |      |     | 3.5 | 10.0 |      | 2.0  |
| 9-10  | 6.0  | 3.5  | 1.5  | 9.0  |      |      | 3.0  | 4.0  | 7.5  |      | 2.0  |     | 5.5 | 10.5 | 7.0  |      |
| 10-11 | 4.0  | 2.0  | 6.0  | 6.5  |      |      |      | 3.5  | 5.5  | 6.0  |      | 3.0 | 7.5 | 11.0 | 11.0 | 10.0 |
| 11-12 | 1.5  |      | 10.5 | 4.0  |      |      |      | 3.0  | 3.0  |      | 2.5  |     |     |      | 6.0  | 8.5  |
| 12-13 | 10.5 | 10.5 |      |      |      |      | 3.5  | 2.5  |      | 3.5  |      |     | 2.5 |      | 10.0 | 7.0  |
| 13-14 | 8.5  | 9.0  | 5.0  | 9.5  |      |      |      | 2.0  |      |      | 3.0  | 3.0 | 5.0 |      |      | 5.5  |
| 14-15 | 6.0  | 7.5  | 9.5  | 7.0  | 2.0  | 2.0  |      | 1.5  | 7.0  |      |      |     | 7.0 |      | 8.5  | 4.0  |
| 15-16 | 4.0  | 6.0  |      | 4.0  | 3.5  | 3.0  | 3.5  |      | 5.0  | 6.5  | 3.5  |     |     |      |      | 2.5  |
| 16-17 | 2.0  | 5.0  | 4.0  | 1.5  | 5.5  | 4.5  |      |      | 2.5  |      |      | 3.5 | 2.0 | 2.0  | 7.5  |      |
| 17-18 | 10.5 | 3.5  | 8.5  | 9.5  |      | 5.5  |      |      |      | 3.5  | 4.0  |     | 4.0 | 2.5  |      | 10.5 |
| 18-19 | 8.5  | 2.0  |      | 7.0  |      |      | 4.0  |      |      |      |      |     | 6.5 | 3.0  | 6.5  | 9.0  |
| 19-20 | 6.5  |      | 3.0  | 4.5  |      |      |      |      | 6.5  |      | 4.5  | 4.0 |     | 3.5  | 10.5 | 7.5  |
| 20-21 | 4.5  | 10.5 | 7.5  | 2.0  |      |      |      |      | 4.0  | 6.5  |      |     | 1.5 | 4.0  |      | 6.0  |
| 21-22 | 2.0  | 9.0  |      | 10.0 | 1.5  |      | 4.5  |      | 2.0  |      | 4.5  |     | 3.5 | 4.5  | 9.5  | 4.5  |
| 22-23 | 11.0 | 7.5  | 2.0  | 7.5  | 3.0  |      |      |      |      | 4.0  |      | 4.0 | 5.5 | 5.0  |      | 3.0  |
| 23-24 | 9.0  | 6.0  | 6.5  | 5.0  | 5.0  |      |      |      | 8.0  |      | 5.0  |     | 8.0 | 5.5  | 8.0  | 1.5  |
| 24-25 | 6.5  | 4.5  | 11.0 | 2.5  |      |      | 5.0  |      | 6.0  |      |      |     |     | 6.0  |      | 11.0 |
| 25-26 | 4.5  | 3.0  |      | 10.5 |      | 2.0  |      |      | 3.5  | 7.0  | 5.5  | 4.5 | 3.0 | 6.5  | 7.0  | 9.5  |
| 26-27 | 2.5  | 1.5  | 5.5  | 8.0  |      | 3.5  |      |      |      |      |      |     | 5.0 | 7.0  | 11.0 | 8.0  |
| 27-28 | 11.0 |      | 10.0 | 5.0  |      | 4.5  | 5.5  |      |      | 4.0  | 6.0  |     | 7.0 | 8.0  | 6.0  | 6.5  |
| 28-29 | 9.0  | 10.0 |      | 2.5  |      | 5.5  |      |      | 7.5  |      |      | 5.0 |     | 8.5  | 10.0 | 5.0  |
| 29-30 | 7.0  | 8.5  | 4.5  | 10.5 | 3.0  |      |      |      | 5.5  |      | 6.5  |     | 2.5 | 9.0  |      | 3.5  |
| 30-31 | 4.5  | 7.0  | 9.0  | 8.0  | 4.5  |      | 5.0  | 3.0  | 7.0  |      |      |     | 4.5 | 9.5  | 9.0  | 2.0  |

|       | SW   | XX   | AT   | SW   | TZ   | BH   | RS   | ST   | SW   | SZ   | TV   | TW   | UU   | UY   | RW   | TT   | RR   | XZ   | DM   | RW   | XZ   | RR   | TW   |
|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|       | AND  | AND  | AND  | AQR  | AUR  | AUR  | BOO  | BOO  | BOO  | BOO  | BOO  | BOO  | BOO  | BOO  | CNC  | CNC  | CET  | CYG  | CYG  | DRA  | DRA  | GEM  | HER  |
| MAX   | 9.3  | 10.3 | 10.8 | 10.5 | 11.2 | 11.1 | 9.8  | 10.6 | 11.3 | 12   | 10.8 | 10.8 | 11.2 | 10.6 | 10.7 | 11   | 9.3  | 9.1  | 11.2 | 11   | 9.6  | 10.7 | 10.5 |
| MIN   | 10.8 | 11.6 | 11.5 | 12.1 | 12.8 | 12.6 | 11.3 | 11.8 | 12.7 | 13.4 | 11.5 | 12.1 | 12.7 | 12   | 12.6 | 12.3 | 10.3 | 10.5 | 12.7 | 12   | 10.3 | 11.9 | 11.8 |
| RISE  | 2    | 3    | 3    | 1    | 2    | 2    | 2    | 3    | 2    | 2    | 3    | 2    | 1    | 2    | 2    | 3    | 2    | 3    | 2    | 2    | 3    | 2    | 2    |
| 0- 1  |      | 7.0  |      | 6.5  |      |      | 6.5  | 8.0  | 2.0  | 5.0  | 7.0  |      | 6.5  |      | 5.0  |      |      | 9.0  | 6.5  | 7.0  |      | 6.5  |      |
| 1- 2  | 10.5 |      |      | 4.5  |      |      | 9.5  |      | 2.5  | 6.5  | 5.5  | 2.0  | 4.5  | 8.0  |      | 2.5  |      | 5.0  | 3.5  | 5.5  |      |      |      |
| 2- 3  | 7.5  | 11.0 | 8.5  |      |      |      | 3.5  | 5.0  | 3.0  | 7.5  | 4.0  | 3.5  | 2.5  |      |      |      |      | 9.5  |      |      | 4.5  |      | 6.0  |
| 3- 4  |      |      |      |      | 4.5  |      | 7.0  | 10.5 | 3.5  | 8.5  | 2.5  | 5.0  |      | 6.5  |      |      |      | 8.0  | 7.5  | 9.0  | 3.5  |      |      |
| 4- 5  |      |      | 5.0  | 10.0 |      |      | 10.0 |      | 4.5  | 9.5  | 8.5  | 7.0  | 9.0  |      |      | 8.5  | 6.0  | 3.5  | 6.0  | 2.5  |      |      | 6.0  |
| 5- 6  | 10.0 | 8.0  | 10.5 | 8.0  | 3.5  |      | 4.0  | 7.5  | 5.0  | 10.5 | 7.0  | 8.5  | 7.0  | 5.5  | 3.5  |      |      | 4.5  | 10.0 | 3.5  |      |      | 11.0 |
| 6- 7  | 7.0  |      |      | 6.0  |      |      | 7.5  |      | 5.5  |      | 5.5  | 10.0 | 5.0  |      | 5.5  |      |      | 3.0  | 6.0  |      |      |      | 6.0  |
| 7- 8  |      |      | 7.0  |      | 2.5  |      | 10.5 | 4.5  | 6.5  |      | 4.0  |      | 3.0  | 4.5  |      |      |      |      |      | 8.5  | 10.5 |      | 11.0 |
| 8- 9  |      | 5.5  |      |      |      |      | 4.5  | 10.0 | 7.0  |      | 2.5  |      |      |      |      |      |      | 11.0 | 8.5  | 5.5  | 9.0  |      | 6.0  |
| 9-10  | 9.5  |      |      |      |      |      | 8.0  |      | 7.5  | 2.5  | 8.5  | 1.5  | 10.0 | 3.5  |      |      |      | 9.5  | 4.5  | 3.0  | 8.0  |      | 11.0 |
| 10-11 | 6.5  | 9.5  | 9.0  | 9.0  |      |      | 2.0  | 7.0  | 8.5  | 3.5  | 7.0  | 3.5  | 7.5  |      |      | 3.0  | 10.5 | 7.5  | 11.0 | 11.0 | 7.0  |      | 6.0  |
| 11-12 |      |      |      | 7.0  |      | 10.0 | 5.0  |      | 9.0  | 4.5  | 5.5  | 5.0  | 5.5  | 2.0  | 4.0  |      |      | 6.0  | 7.0  | 8.0  | 6.0  |      | 11.0 |
| 12-13 |      |      | 5.5  | 5.0  |      |      | 8.0  | 4.0  | 9.5  | 6.0  | 4.0  | 6.5  | 3.5  | 9.5  |      |      |      | 4.5  | 3.0  | 5.5  | 4.5  |      | 6.0  |
| 13-14 | 9.0  | 7.0  |      |      |      |      | 2.5  | 9.5  | 10.0 | 7.0  | 2.5  | 8.0  |      |      |      |      |      | 3.0  | 9.5  | 2.5  | 3.5  |      | 10.5 |
| 14-15 | 6.0  |      |      |      | 4.0  |      | 5.5  |      | 11.0 | 8.0  | 8.5  | 9.5  | 10.5 | 8.5  |      |      |      | 5.5  | 10.5 | 2.5  | 4.0  |      | 6.0  |
| 15-16 |      |      | 7.5  | 10.5 |      |      | 8.5  | 6.5  |      | 9.0  | 7.0  |      | 8.5  |      |      | 10.0 | 11.0 |      | 8.0  |      |      |      | 10.5 |
| 16-17 |      |      |      | 8.5  | 3.0  | 10.5 | 3.0  |      |      | 10.0 | 5.5  |      | 6.5  | 7.0  | 2.0  |      |      | 9.5  | 8.0  | 5.0  |      | 3.5  | 6.0  |
| 17-18 | 8.5  |      | 4.0  | 6.5  |      |      | 6.0  | 3.5  |      |      | 4.0  |      | 4.0  |      | 4.5  |      |      | 7.5  | 4.0  | 2.5  | 10.5 |      | 10.5 |
| 18-19 | 5.5  | 8.5  | 9.5  | 4.5  | 2.0  |      | 9.0  | 9.0  |      |      | 2.5  | 3.0  | 2.0  | 6.0  |      |      |      | 6.0  | 10.5 | 10.0 | 9.5  | 3.5  | 6.0  |
| 19-20 |      |      |      |      |      |      | 3.0  |      | 2.0  |      | 8.5  | 4.5  |      |      |      | 3.0  |      | 4.5  | 6.5  | 7.5  | 8.0  |      | 10.5 |
| 20-21 | 11.0 |      | 6.0  |      |      | 2.0  | 6.5  | 6.0  | 2.5  | 2.0  | 7.0  | 6.0  | 9.0  | 5.0  |      |      | 9.5  | 3.0  | 2.5  | 5.0  | 7.0  | 3.0  | 6.0  |
| 21-22 | 8.0  | 6.0  |      | 9.5  |      | 11.0 | 9.5  |      | 3.0  | 3.0  | 5.5  | 7.5  | 7.0  |      |      |      |      |      | 9.0  | 2.0  | 6.0  |      | 10.5 |
| 22-23 |      |      |      | 7.5  |      |      | 3.5  | 3.0  | 4.0  | 4.0  | 4.0  | 9.0  | 5.0  | 4.0  | 2.5  |      |      | 11.0 | 5.0  | 10.0 | 5.0  | 2.5  | 5.5  |
| 23-24 |      | 10.0 | 8.0  | 6.0  | 4.0  |      | 7.0  | 8.5  | 4.5  | 5.5  | 2.5  | 10.5 | 3.0  |      | 4.5  | 2.0  |      | 9.5  |      | 7.0  | 3.5  |      | 10.5 |
| 24-25 | 10.5 |      |      |      |      |      | 10.0 |      | 5.0  | 6.5  | 8.5  |      |      | 2.5  |      |      |      | 7.5  | 7.5  | 4.5  | 2.5  | 2.5  | 5.5  |
| 25-26 | 7.5  |      | 4.5  |      | 3.0  |      | 4.0  | 5.5  | 5.5  | 7.5  | 7.0  |      | 9.5  |      |      |      | 9.0  | 6.0  | 3.5  |      |      |      | 10.5 |
| 26-27 |      | 7.0  | 10.0 | 11.0 |      |      | 7.5  |      | 6.5  | 8.5  | 5.5  | 2.5  | 7.5  |      |      |      |      | 4.5  | 9.5  | 9.5  |      | 2.0  | 5.5  |
| 27-28 |      |      |      | 9.0  | 2.0  |      | 10.5 | 2.5  | 7.0  | 9.5  | 4.0  | 4.0  | 5.5  | 9.0  |      |      |      | 3.0  | 6.0  | 7.0  | 10.5 |      | 10.5 |
| 28-29 | 10.0 |      | 6.5  | 7.0  |      |      | 4.5  | 8.0  | 7.5  | 10.5 | 2.5  | 5.5  | 3.5  |      | 3.0  | 3.5  |      |      |      | 4.0  | 9.5  |      | 5.5  |
| 29-30 | 7.0  |      |      | 5.0  |      |      | 8.0  |      | 8.5  |      | 8.5  | 7.0  |      | 7.5  | 5.0  |      |      | 11.0 | 8.0  |      | 8.5  |      | 10.5 |

|       | VX   | AR   | DL   | DY   | SZ   | UU   | DG   | DH   | RR   | SS   | TV   | WW  | SZ  | RZ   | AV   | RV   |
|-------|------|------|------|------|------|------|------|------|------|------|------|-----|-----|------|------|------|
|       | HER  | HER  | HER  | HER  | HYA  | HYA  | HYA  | HYA  | LEO  | LEO  | LEO  | LEO | LYN | LYR  | PEG  | UMA  |
| MAX   | 9.9  | 10.6 | 11   | 10.2 | 10.6 | 10.7 | 11.6 | 11.4 | 10   | 10.5 | 11.5 | 11  | 9.1 | 10   | 9.9  | 10.1 |
| MIN   | 10.4 | 11.6 | 12.4 | 10.6 | 11.7 | 12.3 | 12.6 | 12.6 | 11.7 | 12   | 12.6 | 12  | 9.6 | 12   | 10.9 | 11.2 |
| RISE  | 2    | 2    | 1    | 1    | 2    | 2    | 3    | 2    | 2    | 2    | 2    | 3   | 1   | 2    | 2    | 3    |
| 0- 1  | 2.5  | 5.5  |      | 5.5  |      |      |      |      |      |      |      |     |     | 10.0 | 3.5  |      |
| 1- 2  |      | 4.5  | 3.5  | 3.0  |      |      |      |      |      | 4.5  |      |     |     | 10.5 | 7.5  | 10.0 |
| 2- 3  | 9.0  | 3.0  | 8.0  |      |      |      |      | 3.5  |      |      |      |     | 2.0 |      |      | 8.5  |
| 3- 4  | 7.0  |      |      | 8.5  |      |      |      | 3.0  | 5.0  |      |      |     | 4.0 |      | 6.5  | 7.0  |
| 4- 5  | 5.0  |      | 2.5  | 6.0  |      |      |      | 2.0  | 2.5  |      |      |     | 6.0 |      | 10.5 | 5.5  |
| 5- 6  | 3.0  | 10.0 | 7.0  | 3.0  | 2.5  | 2.0  |      |      |      |      |      |     |     |      | 5.5  | 4.0  |
| 6- 7  |      | 8.5  |      |      |      | 3.5  |      |      |      | 4.5  |      |     |     |      | 9.5  | 2.5  |
| 7- 8  | 9.5  | 7.0  |      | 8.5  |      | 4.5  |      |      |      |      |      |     | 3.5 |      | 4.0  |      |
| 8- 9  | 7.5  | 5.5  | 6.0  | 6.0  |      |      |      |      | 4.0  |      |      |     | 5.5 | 2.0  | 8.5  | 10.5 |
| 9-10  | 5.0  | 4.0  | 10.0 | 3.5  |      |      |      |      | 2.0  |      |      |     |     | 2.5  |      | 9.0  |
| 10-11 | 3.0  | 2.5  |      |      |      |      |      |      |      |      |      |     |     | 3.0  | 7.0  | 7.5  |
| 11-12 |      |      | 5.0  | 9.0  |      |      |      |      |      | 5.0  |      |     | 3.0 | 3.5  |      | 6.0  |
| 12-13 | 9.5  |      | 9.0  | 6.5  | 2.0  |      |      |      | 6.0  |      |      |     | 5.0 | 4.0  | 6.0  | 4.5  |
| 13-14 | 7.5  | 9.5  |      | 4.0  |      |      |      |      | 3.5  | 2.0  | 2.0  |     |     | 4.5  | 10.0 | 3.0  |
| 14-15 | 5.5  | 8.0  | 4.0  |      |      |      |      |      |      |      |      | 2.0 |     | 5.0  | 5.0  |      |
| 15-16 | 3.0  | 6.5  | 8.0  | 9.5  |      |      | 2.0  |      |      |      | 2.0  |     | 2.5 | 6.0  | 9.0  |      |
| 16-17 |      | 5.5  |      | 6.5  |      | 2.0  |      |      |      | 5.0  |      |     | 4.5 | 6.5  | 3.5  | 9.5  |
| 17-18 | 10.0 | 4.0  | 3.0  | 4.0  |      | 3.5  |      |      | 5.5  |      | 2.5  | 2.5 |     | 7.0  | 8.0  | 8.0  |
| 18-19 | 7.5  | 2.5  | 7.0  |      |      | 4.5  | 2.5  |      | 3.0  | 2.0  |      |     |     | 7.5  |      | 6.5  |
| 19-20 | 5.5  |      |      | 9.5  |      |      |      |      |      |      | 3.0  |     | 2.0 | 8.0  | 6.5  | 5.0  |
| 20-21 | 3.5  | 11.0 | 2.0  | 7.0  | 3.5  |      |      |      |      |      |      | 2.5 | 4.0 | 8.5  | 11.0 | 3.5  |
| 21-22 |      | 9.5  | 6.0  | 4.5  |      |      | 2.5  |      |      | 5.5  | 3.5  |     | 6.0 | 9.0  | 5.5  | 2.0  |
| 22-23 | 10.0 | 8.0  | 10.5 | 2.0  |      |      |      |      | 5.0  |      |      |     |     | 9.5  | 9.5  |      |
| 23-24 | 8.0  | 6.5  |      | 10.0 |      |      |      |      | 2.5  | 2.5  | 4.0  | 3.0 |     | 10.0 | 4.5  | 10.0 |
| 24-25 | 6.0  | 5.0  | 5.0  | 7.5  |      |      | 3.0  |      |      |      |      |     | 3.5 | 10.5 | 8.5  | 8.5  |
| 25-26 | 3.5  | 3.5  | 9.5  | 5.0  |      |      |      | 3.0  |      |      | 4.5  |     | 5.5 |      |      | 7.0  |
| 26-27 |      | 2.0  |      | 2.0  |      |      |      | 2.5  |      | 5.5  |      | 3.5 |     |      | 7.5  | 5.5  |
| 27-28 | 10.5 |      | 4.0  | 10.5 | 3.0  | 2.0  | 3.5  | 2.0  | 4.0  |      | 5.0  |     |     |      |      | 4.0  |
| 28-29 | 8.0  | 10.5 | 8.5  | 7.5  |      | 3.5  |      |      | 2.0  | 2.5  |      |     | 3.0 |      | 6.0  | 2.5  |
| 29-30 | 6.0  | 9.0  |      | 5.0  |      | 4.5  |      |      |      |      | 5.5  | 3.5 | 5.0 |      | 10.5 |      |

|       | SW   | XX   | AT   | SW   | TZ   | BH   | RS   | ST   | SW   | SZ   | TV   | TW   | UU   | UY   | RW   | RR   | XZ   | DM   | RW   | XZ   | RR   | TW   | VX   |     |
|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|
|       | AND  | AND  | AND  | AQR  | AUR  | AUR  | BOO  | BOO  | BOO  | BOO  | BOO  | BOO  | BOO  | BOO  | CNC  | CET  | CYG  | CYG  | DRA  | DRA  | GEM  | HER  | HER  |     |
| MAX   | 9.3  | 10.3 | 10.8 | 10.5 | 11.2 | 11.1 | 9.8  | 10.6 | 11.3 | 12   | 10.8 | 10.8 | 11.2 | 10.6 | 10.7 | 9.3  | 9.1  | 11.2 | 11   | 9.6  | 10.7 | 10.5 | 9.9  |     |
| MIN   | 10.8 | 11.6 | 11.5 | 12.1 | 12.8 | 12.6 | 11.3 | 11.8 | 12.7 | 13.4 | 11.5 | 12.1 | 12.7 | 12   | 12.6 | 10.3 | 10.5 | 12.7 | 12   | 10.3 | 11.9 | 11.8 | 10.4 |     |
| RISE  | 2    | 3    | 3    | 1    | 2    | 2    | 2    | 3    | 2    | 2    | 3    | 2    | 1    | 2    | 2    | 2    | 3    | 2    | 2    | 3    | 2    | 2    | 2    |     |
| 0- 1  | 4.5  |      | 3.0  | 3.0  |      |      | 2.0  | 5.0  | 9.0  |      | 7.0  | 8.5  | 10.0 |      |      | 8.5  | 9.5  | 4.5  | 9.0  | 7.0  | 11.0 | 5.5  | 4.0  |     |
| 1- 2  |      | 8.5  | 8.5  |      | 9.5  |      | 5.0  |      |      |      | 5.5  | 10.5 | 8.0  | 6.5  |      | 11.0 | 7.5  | 10.5 | 6.5  | 6.0  |      | 10.5 | 1.5  |     |
| 2- 3  | 9.5  |      |      | 10.0 |      | 9.5  | 8.0  | 1.5  |      | 2.5  | 4.0  |      | 6.0  |      |      |      | 6.0  | 7.0  | 4.0  | 5.0  | 10.5 | 5.5  |      |     |
| 3- 4  | 6.5  |      | 5.0  | 8.5  |      |      | 2.5  | 7.5  |      | 3.5  | 2.5  |      | 4.0  | 5.5  |      |      | 4.5  | 3.0  |      | 4.0  |      | 10.5 | 8.5  |     |
| 4- 5  | 4.0  | 6.0  | 10.5 | 6.5  |      |      | 5.5  |      |      | 5.0  | 8.5  | 2.0  | 2.0  |      | 3.5  |      | 3.0  | 9.0  | 9.0  | 2.5  |      | 5.5  | 6.0  |     |
| 5- 6  |      |      |      | 4.5  |      |      | 8.5  | 4.5  |      | 6.0  | 7.0  | 3.5  |      | 4.5  |      | 8.0  |      | 5.5  | 6.0  |      |      | 10.0 | 4.0  |     |
| 6- 7  | 9.0  | 10.0 | 7.0  | 2.5  | 2.5  |      | 3.0  | 10.5 |      | 7.0  | 5.5  | 5.0  | 9.0  |      |      | 10.5 | 11.0 |      | 3.5  |      |      | 5.5  | 2.0  |     |
| 7- 8  | 6.0  |      |      |      |      | 10.0 | 6.0  |      |      | 8.0  | 4.0  | 7.0  | 6.5  | 3.0  |      |      | 9.0  | 7.5  |      | 10.5 |      | 10.0 |      |     |
| 8- 9  |      |      | 3.5  | 9.5  | 10.5 |      | 9.0  | 7.0  | 2.0  | 9.0  | 2.5  | 8.5  | 4.5  |      |      |      | 7.5  | 4.0  | 8.5  | 9.5  |      | 5.5  | 8.5  |     |
| 9-10  |      | 7.5  | 9.0  | 7.5  |      |      | 3.0  |      | 2.5  |      | 8.5  | 10.0 | 2.5  | 2.0  |      |      | 6.0  | 10.0 | 6.0  | 8.5  |      | 10.0 | 6.5  |     |
| 10-11 | 8.5  |      |      | 5.5  | 9.5  |      | 6.5  | 4.0  | 3.0  |      | 7.0  |      |      |      |      | 4.0  | 7.5  | 4.5  | 6.0  | 3.0  | 7.5  | 5.5  | 4.5  |     |
| 11-12 | 5.5  |      | 5.5  | 3.5  |      |      | 9.5  | 10.0 | 4.0  |      | 5.5  |      | 9.5  |      |      | 10.0 | 3.0  | 2.5  | 11.0 | 6.0  |      | 10.0 | 2.0  |     |
| 12-13 |      | 5.0  | 11.0 |      |      | 10.5 | 3.5  |      | 4.5  |      | 4.0  | 2.0  | 7.5  |      |      |      |      | 8.5  | 8.5  | 5.0  |      | 5.0  |      |     |
| 13-14 | 10.5 |      |      | 11.0 |      | 8.0  | 7.0  | 6.5  | 5.0  | 2.0  | 2.5  | 3.5  | 5.5  |      |      |      | 11.0 | 5.0  | 5.5  | 4.0  |      | 10.0 | 9.0  |     |
| 14-15 | 8.0  | 9.0  | 7.5  | 9.0  |      |      |      |      | 6.0  | 3.0  | 8.5  | 5.0  | 3.0  | 7.0  |      |      | 9.0  | 11.0 | 3.0  | 3.0  |      | 5.0  | 6.5  |     |
| 15-16 | 5.0  |      |      | 7.0  | 2.5  |      | 4.0  | 3.5  | 6.5  | 4.5  | 7.0  | 6.5  |      |      | 2.0  | 6.5  | 7.5  | 7.0  | 10.5 |      |      | 10.0 | 4.5  |     |
| 16-17 |      |      | 3.5  | 5.0  |      |      | 7.5  | 9.0  | 7.0  | 5.5  | 5.5  | 8.0  | 10.0 | 6.0  |      | 9.5  | 6.0  | 3.5  | 8.0  |      |      | 5.0  | 2.5  |     |
| 17-18 | 10.0 | 6.5  | 9.5  | 3.0  | 11.0 | 10.5 |      |      | 7.5  | 6.5  | 4.0  | 9.5  | 8.0  |      |      |      | 4.5  | 9.5  | 5.0  | 11.0 |      | 10.0 |      |     |
| 18-19 | 7.5  |      |      |      |      | 8.5  | 4.5  | 6.0  | 8.5  | 7.5  | 2.5  |      | 6.0  | 5.0  |      |      | 3.0  | 5.5  | 2.5  | 10.0 |      | 5.0  | 9.0  |     |
| 19-20 | 4.5  | 10.5 | 6.0  | 10.0 | 10.0 |      | 7.5  |      | 9.0  | 8.5  | 8.5  |      | 4.0  |      |      |      |      | 2.0  | 10.5 | 8.5  |      | 10.0 | 7.0  |     |
| 20-21 |      | 3.5  |      | 8.0  |      |      | 2.0  | 3.0  |      |      | 7.0  |      | 2.0  | 3.5  |      |      | 11.0 | 8.0  | 7.5  | 7.5  |      | 5.0  | 4.5  |     |
| 21-22 | 10.0 |      | 2.0  | 6.0  |      |      | 5.0  | 8.5  |      |      | 5.5  | 3.0  |      |      | 2.5  | 8.5  | 9.0  | 4.0  | 5.0  | 6.5  |      | 10.0 | 2.5  |     |
| 22-23 | 7.0  | 7.5  | 8.0  | 4.0  |      |      | 8.0  |      |      |      | 4.0  | 4.5  | 8.5  | 2.5  |      |      | 7.5  | 10.5 | 2.0  | 5.0  |      | 5.0  |      |     |
| 23-24 | 4.0  |      |      | 2.5  |      | 9.0  | 2.5  | 5.5  |      |      | 2.5  | 6.0  | 6.5  |      |      |      | 6.0  | 6.5  | 10.0 | 4.0  |      | 10.0 | 9.0  |     |
| 24-25 |      |      | 4.0  |      | 2.5  |      | 5.5  |      |      |      | 8.5  | 7.5  | 4.5  |      |      |      | 4.5  | 3.0  | 7.5  | 3.0  |      | 5.0  | 7.0  |     |
| 25-26 | 9.5  | 5.0  | 10.0 | 9.5  |      |      | 8.5  | 2.5  |      | 2.5  | 7.0  | 9.0  | 2.5  |      |      |      | 3.0  | 9.0  | 4.5  | 2.0  | 2.0  | 2.0  | 9.5  | 5.0 |
| 26-27 | 6.5  |      |      | 7.5  | 11.0 |      | 2.5  | 8.0  |      | 4.0  | 5.5  |      |      |      |      | 8.0  |      | 5.0  | 2.0  |      |      | 5.0  | 3.0  |     |
| 27-28 | 4.0  | 9.0  | 6.0  | 5.5  |      |      | 6.0  |      | 2.0  | 5.0  | 4.0  |      | 9.0  |      | 3.0  | 10.5 | 11.0 |      | 9.5  | 11.0 |      | 9.5  |      |     |
| 28-29 |      |      |      | 3.5  | 10.0 | 9.5  | 9.0  | 5.0  | 2.5  | 6.0  | 2.5  |      | 7.0  |      |      |      | 9.0  | 7.5  | 7.0  | 10.0 |      | 5.0  | 9.5  |     |
| 29-30 | 9.0  |      | 2.5  |      |      |      | 3.0  |      | 3.0  | 7.0  | 8.5  | 2.5  | 5.0  | 6.5  |      |      | 7.5  | 3.5  | 4.0  | 9.0  | 11.0 | 9.5  | 7.5  |     |
| 30-31 | 6.0  | 6.5  | 8.5  | 10.5 |      |      | 6.5  | 2.0  | 4.0  | 8.0  | 7.0  | 4.0  | 3.0  |      |      |      | 6.0  | 10.0 |      | 7.5  |      | 5.0  | 5.0  |     |

|       | AR   | DL   | DY   | UU   | RR   | SS   | TV   | WW   | SZ   | RZ   | AV   | RV   |
|-------|------|------|------|------|------|------|------|------|------|------|------|------|
|       | HER  | HER  | HER  | HYA  | LEO  | LEO  | LEO  | LEO  | LYN  | LYR  | PEG  | UMA  |
| MAX   | 10.6 | 11   | 10.2 | 10.7 | 10   | 10.5 | 11.5 | 11   | 9.1  | 10   | 9.9  | 10.1 |
| MIN   | 11.6 | 12.4 | 10.6 | 12.3 | 11.7 | 12   | 12.6 | 12   | 9.6  | 12   | 10.9 | 11.2 |
| RISE  | 2    | 1    | 1    | 2    | 2    | 2    | 2    | 3    | 1    | 2    | 2    | 3    |
|       |      |      |      |      |      |      |      |      |      |      |      |      |
| 0- 1  | 7.5  | 3.0  | 2.5  |      |      |      |      |      |      |      | 5.0  | 10.5 |
| 1- 2  | 6.0  | 7.5  |      |      |      |      |      |      |      | 2.0  | 9.0  | 9.0  |
| 2- 3  | 5.0  |      | 8.0  |      | 3.5  |      |      |      | 2.5  | 2.5  | 4.0  | 7.5  |
| 3- 4  | 3.5  | 2.0  | 5.5  |      |      | 3.0  |      |      |      | 3.0  | 8.0  | 6.0  |
| 4- 5  | 2.0  | 6.5  | 3.0  |      |      |      |      |      |      | 4.0  | 2.5  | 4.5  |
| 5- 6  |      |      |      |      |      |      |      |      |      | 4.5  | 7.0  | 3.0  |
| 6- 7  | 10.5 |      | 8.5  |      |      |      |      | 2.0  | 2.0  | 5.0  | 11.0 |      |
| 7- 8  | 9.0  | 5.5  | 5.5  |      | 3.0  |      |      | 4.0  | 4.0  | 5.5  | 5.5  | 11.0 |
| 8- 9  | 7.5  | 10.0 | 3.0  | 2.0  |      | 3.0  |      |      |      | 6.0  | 10.0 | 9.5  |
| 9-10  | 6.0  |      |      |      |      |      |      |      |      | 6.5  | 4.5  | 8.0  |
| 10-11 | 4.5  | 4.5  | 8.5  |      |      |      |      | 10.0 | 10.0 | 7.0  | 8.5  | 6.5  |
| 11-12 | 3.0  | 9.0  | 6.0  |      |      |      |      |      | 3.5  | 7.5  | 3.5  | 5.0  |
| 12-13 |      |      | 3.5  |      | 2.5  |      |      |      |      | 8.0  | 7.5  | 3.5  |
| 13-14 |      | 3.5  |      |      |      | 3.5  |      |      |      | 8.5  | 2.0  | 2.0  |
| 14-15 | 10.0 | 8.0  | 9.0  |      |      |      |      |      |      | 9.0  | 6.5  |      |
| 15-16 | 8.5  |      | 6.5  |      |      |      |      | 3.0  | 3.0  | 9.5  | 10.5 | 10.0 |
| 16-17 | 7.0  | 2.5  | 3.5  |      | 4.5  |      |      |      |      | 10.0 | 5.0  | 8.5  |
| 17-18 | 5.5  | 7.0  |      |      | 2.0  |      |      |      |      | 11.0 | 9.5  | 7.0  |
| 18-19 | 4.5  |      | 9.0  |      |      | 3.5  |      |      |      |      | 4.0  | 5.5  |
| 19-20 | 3.0  |      | 6.5  | 2.5  |      |      |      | 2.5  |      |      | 8.0  | 4.0  |
| 20-21 |      | 6.0  | 4.0  |      |      |      | 2.0  |      |      |      | 3.0  | 2.5  |
| 21-22 |      | 10.5 |      |      | 3.5  |      |      |      |      |      | 7.0  |      |
| 22-23 | 10.0 |      | 9.5  |      |      |      | 2.5  |      |      |      | 11.0 | 10.5 |
| 23-24 | 8.5  | 5.0  | 7.0  |      |      | 4.0  |      | 2.0  | 2.0  | 2.0  | 6.0  | 9.0  |
| 24-25 | 7.0  | 9.5  | 4.5  |      |      |      | 3.0  | 4.0  | 4.0  | 2.5  | 10.0 | 7.5  |
| 25-26 | 5.5  |      | 2.0  |      |      |      |      | 2.0  |      | 3.0  | 4.5  | 6.0  |
| 26-27 | 4.0  | 4.0  | 10.0 |      | 3.0  |      | 3.5  |      |      | 3.5  | 8.5  | 4.5  |
| 27-28 | 2.5  | 8.5  | 7.5  |      |      |      |      | 10.0 | 10.0 | 4.0  | 3.5  | 3.0  |
| 28-29 |      |      | 4.5  |      |      | 4.0  | 3.5  | 2.0  | 3.5  | 4.5  | 7.5  |      |
| 29-30 | 11.0 | 3.0  | 2.0  |      |      |      |      |      |      | 5.0  | 2.5  | 11.0 |
| 30-31 | 9.5  | 7.5  |      | 2.5  |      |      |      |      |      | 5.5  | 6.5  | 9.5  |

|       | SW   | XX   | AT   | SW   | TZ   | BH   | RS   | ST   | SW   | SZ   | TV   | TW   | UU   | UY   | RW   | TT   | RR   | XZ   | DM   | RW   | XZ   | RR   | TW   |     |
|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|
|       | AND  | AND  | AND  | AQR  | AUR  | AUR  | BOO  | BOO  | BOO  | BOO  | BOO  | BOO  | BOO  | BOO  | CNC  | CNC  | CET  | CYG  | CYG  | DRA  | DRA  | GEM  | HER  |     |
| MAX   | 9.3  | 10.3 | 10.8 | 10.5 | 11.2 | 11.1 | 9.8  | 10.6 | 11.3 | 12   | 10.8 | 10.8 | 11.2 | 10.6 | 10.7 | 11   | 9.3  | 9.1  | 11.2 | 11   | 9.6  | 10.7 | 10.5 |     |
| MIN   | 10.8 | 11.6 | 11.5 | 12.1 | 12.8 | 12.6 | 11.3 | 11.8 | 12.7 | 13.4 | 11.5 | 12.1 | 12.7 | 12   | 12.6 | 12.3 | 10.3 | 10.5 | 12.7 | 12   | 10.3 | 11.9 | 11.8 |     |
| RISE  | 2    | 3    | 3    | 1    | 2    | 2    | 2    | 3    | 2    | 2    | 3    | 2    | 1    | 2    | 2    | 3    | 2    | 3    | 2    | 2    | 3    | 2    | 2    |     |
| 0- 1  | 3.5  |      |      | 8.5  |      |      |      | 7.5  | 4.5  |      | 5.5  | 5.5  |      | 5.5  |      |      | 7.5  | 4.5  | 6.0  | 9.5  | 6.5  | 10.5 | 9.5  |     |
| 1- 2  | 11.0 | 10.5 | 4.5  | 7.0  | 8.0  |      | 3.5  |      | 5.0  |      | 4.0  | 7.0  |      |      |      |      | 10.0 | 3.0  | 2.0  | 6.5  | 5.5  |      | 5.0  |     |
| 2- 3  | 8.5  | 4.0  | 10.5 | 5.0  |      | 10.0 | 7.0  | 4.5  | 6.0  |      | 2.5  |      | 8.0  | 4.0  |      |      |      |      | 8.5  | 4.0  | 4.5  | 10.5 | 9.5  |     |
| 3- 4  | 5.5  |      |      | 3.0  |      | 8.0  |      |      | 6.5  |      |      |      | 5.5  |      |      |      |      | 11.0 | 4.5  |      | 3.0  |      | 4.5  |     |
| 4- 5  | 3.0  | 8.0  | 6.5  |      | 11.5 |      | 4.0  | 1.5  | 7.0  |      | 7.0  |      | 3.5  | 3.0  |      |      | 4.5  | 9.0  | 11.0 | 9.0  | 2.0  | 10.0 | 9.5  |     |
| 5- 6  | 10.5 |      |      | 10.0 |      |      | 7.5  | 7.0  |      | 2.0  | 5.5  |      | 1.5  |      | 11.0 |      | 7.0  | 7.5  | 7.0  | 6.5  |      |      | 4.5  |     |
| 6- 7  | 8.0  |      | 3.0  | 8.0  | 10.5 |      | 1.5  |      |      | 3.5  | 4.0  | 2.0  |      | 2.0  |      |      | 9.5  | 6.0  | 3.0  | 3.5  | 11.0 | 9.5  | 9.5  |     |
| 7- 8  | 5.0  | 5.5  | 9.0  | 6.0  |      | 10.5 | 4.5  | 4.0  |      | 4.5  | 2.5  | 3.5  |      |      | 1.5  |      |      | 4.5  | 9.5  | 11.5 | 10.0 |      | 4.5  |     |
| 8- 9  | 2.5  |      |      | 4.0  | 9.5  | 8.0  |      |      |      | 5.5  |      | 5.5  | 6.5  |      |      |      |      | 2.5  | 5.5  | 8.5  | 9.0  | 9.5  | 9.5  |     |
| 9-10  | 10.0 | 9.5  | 5.0  | 2.0  |      | 6.0  | 2.0  |      |      | 6.5  | 7.0  | 7.0  | 4.5  |      |      |      |      |      | 1.5  | 6.0  | 8.0  |      | 4.5  |     |
| 10-11 | 7.5  | 2.5  | 11.0 | 11.0 | 8.5  |      | 5.0  | 6.5  |      |      | 5.5  | 8.5  | 2.0  |      |      |      | 6.5  | 10.5 | 8.0  | 3.0  | 6.5  | 9.0  | 9.5  |     |
| 11-12 | 4.5  |      | 1.5  | 9.5  |      |      |      |      |      |      | 4.0  |      |      |      | 10.5 |      | 9.0  | 9.0  | 4.0  | 11.0 | 5.5  |      | 4.5  |     |
| 12-13 | 2.0  | 6.5  | 7.0  | 7.5  | 7.5  | 10.5 | 2.5  | 3.5  |      |      | 2.5  |      |      |      |      |      |      |      | 7.5  | 10.5 | 8.5  | 4.5  | 8.5  | 9.5 |
| 13-14 | 9.5  |      |      | 5.5  | 11.5 | 8.5  | 5.5  |      |      |      |      |      | 7.0  |      |      |      |      |      | 6.0  | 6.5  | 5.5  | 3.5  |      | 4.5 |
| 14-15 | 7.0  | 11.0 | 3.5  | 3.5  |      | 6.5  |      |      | 1.5  |      | 7.0  | 2.0  | 5.0  |      | 11.5 |      |      | 4.5  | 2.5  | 3.0  | 2.0  | 8.5  | 9.5  |     |
| 15-16 | 4.0  | 4.0  | 9.0  | 1.5  | 10.5 |      | 2.5  | 6.0  | 2.0  |      | 5.5  | 3.5  | 3.0  | 4.5  |      |      | 6.0  | 2.5  | 9.0  | 11.0 |      |      | 4.5  |     |
| 16-17 |      |      |      | 10.5 |      |      | 6.0  |      | 2.5  | 1.5  | 4.0  | 5.0  |      |      |      |      | 8.5  |      | 5.0  | 8.0  | 11.5 |      | 9.0  |     |
| 17-18 | 9.0  | 8.0  | 5.5  | 8.5  | 9.5  | 11.0 |      | 3.0  | 3.0  | 3.0  | 2.5  | 6.5  |      | 3.5  | 11.0 |      | 11.0 | 10.5 | 11.0 | 5.5  | 10.0 |      | 4.5  |     |
| 18-19 | 6.5  | 1.5  | 11.5 | 6.5  |      | 9.0  | 3.0  |      | 4.0  | 4.0  |      | 8.0  | 7.5  |      |      |      |      | 9.0  | 7.5  | 2.5  | 9.0  |      | 9.0  |     |
| 19-20 | 3.5  |      | 2.0  | 4.5  | 8.5  | 7.0  | 6.5  |      | 4.5  | 5.0  | 7.0  |      | 5.5  | 2.5  |      |      |      | 7.5  | 3.5  | 10.5 | 8.0  |      | 4.5  |     |
| 20-21 | 11.5 | 5.5  | 7.5  | 2.5  |      |      |      | 5.5  | 5.0  | 6.0  | 5.5  |      | 3.5  |      |      |      | 5.5  | 6.0  | 10.0 | 7.5  | 7.0  |      | 9.0  |     |
| 21-22 | 9.0  |      |      |      | 7.5  |      | 3.5  |      | 6.0  |      | 4.5  |      | 1.5  |      |      |      | 8.0  | 4.5  | 6.0  | 5.0  | 5.5  |      | 4.5  |     |
| 22-23 | 6.0  | 9.5  | 4.0  | 10.0 |      | 11.5 | 7.0  | 2.5  | 6.5  |      | 3.0  | 1.5  |      |      |      |      | 10.5 | 2.5  | 2.0  | 2.0  | 4.5  |      | 9.0  |     |
| 23-24 | 3.0  | 3.0  | 9.5  | 8.0  |      | 9.5  |      | 8.5  | 7.0  |      |      | 3.0  | 8.5  |      |      |      |      |      | 8.5  | 10.0 | 3.5  |      | 4.0  |     |
| 24-25 | 11.0 |      |      | 6.0  | 10.5 | 7.5  | 4.0  |      |      |      | 7.5  | 4.5  | 6.0  |      |      |      |      | 10.5 | 4.5  | 7.5  | 2.5  |      | 9.0  |     |
| 25-26 | 8.5  | 7.0  | 6.0  | 4.0  |      |      | 7.0  | 5.0  |      |      | 6.0  | 6.0  | 4.0  |      |      |      | 5.0  | 9.0  | 10.5 | 4.5  |      | 11.5 | 4.0  |     |
| 26-27 | 5.5  |      |      | 2.0  | 9.5  |      | 1.5  |      |      |      | 4.5  | 7.5  | 2.0  |      |      |      | 7.5  | 7.5  | 7.0  | 2.0  | 11.5 |      | 9.0  |     |
| 27-28 | 3.0  | 11.0 | 2.5  | 11.0 |      |      | 4.5  | 2.0  |      |      | 3.0  |      |      |      |      |      | 10.0 | 6.0  | 3.0  | 10.0 | 10.5 | 11.0 | 4.0  |     |
| 28-29 | 10.5 | 4.5  | 8.0  | 9.0  | 8.5  | 10.0 |      | 8.0  |      | 2.5  | 1.5  |      |      | 5.0  |      |      |      | 4.5  | 9.0  | 7.0  | 9.0  |      | 9.0  |     |
| 29-30 | 8.0  |      |      | 7.0  |      | 7.5  | 2.0  |      |      | 3.5  | 7.5  |      | 7.0  |      |      |      |      | 2.5  | 5.5  | 4.5  | 8.0  | 10.5 | 4.0  |     |
| 30-31 | 5.0  | 8.5  | 4.5  | 5.0  | 7.5  |      | 5.0  | 4.5  |      | 4.5  | 6.0  |      | 5.0  | 4.0  |      |      | 4.5  |      | 1.5  | 1.5  | 7.0  |      | 9.0  |     |



|       | VX   | AR   | DL   | DY   | RR   | SS   | TV   | SZ   | RZ   | AV   | RV   |
|-------|------|------|------|------|------|------|------|------|------|------|------|
|       | HER  | HER  | HER  | HER  | LEO  | LEO  | LEO  | LYN  | LYR  | PEG  | UMA  |
| MAX   | 9.9  | 10.6 | 11   | 10.2 | 10   | 10.5 | 11.5 | 9.1  | 10   | 9.9  | 10.1 |
| MIN   | 10.4 | 11.6 | 12.4 | 10.6 | 11.7 | 12   | 12.6 | 9.6  | 12   | 10.9 | 11.2 |
| RISE  | 2    | 2    | 1    | 1    | 2    | 2    | 2    | 1    | 2    | 2    | 3    |
|       |      |      |      |      |      |      |      |      |      |      |      |
| 0- 1  | 3.0  | 8.0  |      | 7.5  |      |      |      | 9.5  | 6.0  | 10.5 | 8.0  |
| 1- 2  |      | 6.5  | 2.0  | 5.0  |      |      |      | 11.5 | 6.5  | 5.5  | 6.5  |
| 2- 3  |      | 5.0  | 6.5  | 2.5  |      |      |      |      | 7.0  | 9.5  | 5.0  |
| 3- 4  | 7.5  | 4.0  |      |      |      |      |      |      | 7.5  | 4.0  | 3.5  |
| 4- 5  | 5.5  | 2.5  |      | 8.0  |      | 1.5  |      | 9.0  | 8.0  | 8.0  | 2.0  |
| 5- 6  | 3.0  |      | 5.5  | 5.5  | 2.0  |      |      | 2.0  | 9.0  | 3.0  | 11.5 |
| 6- 7  |      |      |      | 2.5  |      |      |      |      | 9.5  | 7.0  | 10.0 |
| 7- 8  |      | 9.5  |      |      |      |      |      |      | 10.0 | 2.0  | 8.5  |
| 8- 9  | 7.5  | 8.0  | 4.5  |      |      |      |      | 8.5  | 10.5 | 6.0  | 7.0  |
| 9-10  | 5.5  | 6.5  | 8.5  | 5.5  |      | 2.0  |      | 1.5  | 11.0 | 10.0 | 5.5  |
| 10-11 | 3.5  | 5.0  |      | 3.0  | 1.5  |      |      |      | 11.5 | 5.0  | 4.0  |
| 11-12 | 1.5  | 3.5  | 3.5  |      |      |      |      |      |      | 9.0  | 2.5  |
| 12-13 |      | 2.0  | 7.5  |      |      |      |      | 8.0  |      | 3.5  |      |
| 13-14 | 8.0  |      |      | 6.0  |      |      |      | 10.0 |      | 7.5  | 10.5 |
| 14-15 | 6.0  | 10.5 | 2.5  | 3.5  |      | 2.0  |      |      | 1.5  | 2.5  | 9.0  |
| 15-16 | 3.5  | 9.0  | 6.5  |      |      |      |      |      | 2.0  | 6.5  | 7.5  |
| 16-17 | 1.5  | 7.5  |      |      |      |      |      |      | 2.5  | 1.5  | 6.0  |
| 17-18 |      | 6.0  | 1.5  | 6.0  |      |      |      | 9.5  | 3.0  | 5.5  | 4.5  |
| 18-19 | 8.0  | 4.5  | 5.5  | 3.5  |      |      |      | 11.5 | 3.5  | 9.5  | 3.0  |
| 19-20 | 6.0  | 3.5  |      |      |      | 2.5  |      |      | 4.0  | 4.5  | 1.5  |
| 20-21 | 4.0  | 2.0  |      |      |      |      |      |      | 4.5  | 8.5  | 11.0 |
| 21-22 | 1.5  |      | 4.5  | 6.5  |      |      |      | 9.0  | 5.0  | 3.0  | 9.5  |
| 22-23 |      | 10.5 |      | 4.0  |      |      |      | 2.0  | 5.5  | 7.0  | 8.0  |
| 23-24 |      | 9.0  |      | 1.5  |      |      |      |      | 6.0  | 2.0  | 6.5  |
| 24-25 | 6.0  | 7.5  | 3.5  |      | 2.0  |      | 1.5  |      | 7.0  | 6.0  | 5.0  |
| 25-26 | 4.0  | 6.0  | 8.0  | 7.0  |      |      |      | 8.0  | 7.5  | 10.0 | 3.5  |
| 26-27 | 2.0  | 4.5  |      | 4.5  |      |      |      | 1.5  | 8.0  | 5.0  | 2.0  |
| 27-28 |      | 3.0  | 2.5  | 1.5  |      |      |      |      | 8.5  | 9.0  | 11.5 |
| 28-29 |      | 1.5  | 7.0  |      |      |      |      |      | 9.0  | 4.0  | 10.0 |
| 29-30 | 6.5  |      |      | 7.0  | 1.5  |      |      | 7.5  | 9.5  | 8.0  | 8.5  |
| 30-31 | 4.5  | 10.0 | 1.5  | 4.5  |      |      |      | 9.5  | 10.0 | 2.5  | 7.0  |

|       | SW   | XX   | AT   | SW   | TZ   | BH   | RS   | ST   | SW   | SZ   | TV   | TW   | UU   | UY   | RW   | TT   | RR   | XZ   | DM   | RW   | XZ   | RR   | TW   |
|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|       | AND  | AND  | AND  | AQR  | AUR  | AUR  | BOO  | BOO  | BOO  | BOO  | BOO  | BOO  | BOO  | BOO  | CNC  | CNC  | CET  | CYG  | CYG  | DRA  | DRA  | GEM  | HER  |
| MAX   | 9.3  | 10.3 | 10.8 | 10.5 | 11.2 | 11.1 | 9.8  | 10.6 | 11.3 | 12   | 10.8 | 10.8 | 11.2 | 10.6 | 10.7 | 11   | 9.3  | 9.1  | 11.2 | 11   | 9.6  | 10.7 | 10.5 |
| MIN   | 10.8 | 11.6 | 11.5 | 12.1 | 12.8 | 12.6 | 11.3 | 11.8 | 12.7 | 13.4 | 11.5 | 12.1 | 12.7 | 12   | 12.6 | 12.3 | 10.3 | 10.5 | 12.7 | 12   | 10.3 | 11.9 | 11.8 |
| RISE  | 2    | 3    | 3    | 1    | 2    | 2    | 2    | 3    | 2    | 2    | 3    | 2    | 1    | 2    | 2    | 3    | 2    | 3    | 2    | 2    | 3    | 2    | 2    |
| 0- 1  | 2.5  | 1.5  | 10.0 | 3.5  | 12.0 |      |      |      |      |      | 4.5  | 2.5  | 2.5  |      |      | 9.0  | 7.0  | 10.5 | 8.0  | 9.5  | 6.0  | 10.5 | 4.0  |
| 1- 2  | 10.0 |      | 1.0  | 1.5  | 6.5  |      | 2.0  | 1.5  | 0.5  |      | 3.0  | 4.0  | 0.5  | 3.0  |      |      | 9.5  | 9.0  | 4.0  | 6.5  | 4.5  |      |      |
| 2- 3  | 7.5  | 6.0  | 6.5  |      | 11.0 | 10.0 | 5.5  |      | 1.5  |      | 1.5  | 5.5  |      |      |      |      | 12.0 | 7.5  | 10.0 | 4.0  | 3.5  | 10.0 | 4.0  |
| 3- 4  | 4.5  |      |      | 8.5  | 5.5  | 8.0  |      |      | 2.0  |      |      |      |      | 1.5  | 10.5 |      |      | 6.0  | 6.5  | 1.5  | 2.5  |      |      |
| 4- 5  | 2.0  | 10.0 | 3.0  | 6.5  | 10.0 | 6.0  | 2.5  | 4.0  | 2.5  |      | 6.0  |      | 5.5  |      |      |      | 4.0  | 4.0  | 2.5  | 9.0  | 1.5  | 9.5  | 4.0  |
| 5- 6  | 9.5  | 3.0  | 8.5  | 4.5  |      | 4.0  |      |      | 3.5  |      | 4.5  |      | 3.5  | 0.5  |      | 11.0 | 6.5  | 2.5  | 8.5  | 6.5  | 11.5 |      |      |
| 6- 7  | 7.0  |      |      | 2.5  | 9.0  |      |      | 1.0  | 4.0  |      | 3.0  |      | 1.5  |      |      |      | 9.0  | 1.0  | 5.0  | 3.5  | 10.5 | 9.5  | 4.0  |
| 7- 8  | 4.0  | 7.0  | 5.0  | 0.5  |      | 10.5 | 3.0  |      | 4.5  | 0.5  | 1.5  | 0.5  |      |      |      |      | 11.5 | 10.5 | 1.0  | 1.0  | 9.5  |      |      |
| 8- 9  | 1.5  | 0.5  | 10.5 | 9.5  | 8.0  | 8.5  |      |      | 5.0  | 2.0  |      | 2.0  |      |      | 8.5  |      |      | 9.0  | 7.0  | 9.0  | 8.0  | 9.0  | 4.0  |
| 9-10  | 9.0  | 11.0 | 1.5  | 7.5  |      | 6.5  |      | 3.5  |      | 3.0  | 6.0  | 3.5  | 6.0  |      | 10.5 | 9.5  | 3.5  | 7.5  | 3.5  | 6.0  | 7.0  |      |      |
| 10-11 | 6.5  | 4.5  | 7.0  | 6.0  | 7.0  | 4.5  | 3.5  |      |      | 4.0  | 4.5  | 5.5  | 4.0  |      |      |      | 6.0  | 6.0  | 9.5  | 3.5  | 6.0  | 8.5  | 4.0  |
| 11-12 | 3.5  |      |      | 4.0  | 11.0 |      |      |      |      | 5.0  | 3.0  |      | 2.0  |      |      |      | 8.5  | 4.0  | 5.5  | 0.5  | 5.0  |      |      |
| 12-13 | 1.0  | 8.5  | 3.5  | 2.0  | 6.0  | 11.0 | 1.0  | 6.0  |      |      | 1.5  |      |      |      |      |      | 11.0 | 2.5  | 2.0  | 8.5  | 3.5  | 8.5  | 4.0  |
| 13-14 | 8.5  | 2.0  | 9.0  |      | 10.0 | 9.0  | 4.0  |      |      |      |      |      |      |      |      |      |      | 1.0  | 8.0  | 5.5  | 2.5  |      |      |
| 14-15 | 6.0  |      |      | 9.0  |      | 7.0  |      | 3.0  |      |      | 6.0  |      |      | 3.5  | 9.0  | 11.0 | 2.5  | 10.5 | 4.5  | 3.0  | 1.5  | 8.0  | 3.5  |
| 15-16 | 3.0  | 6.0  | 5.5  | 7.0  | 9.0  | 4.5  | 1.5  |      |      |      | 4.5  |      | 4.5  |      | 11.0 |      | 5.5  | 9.0  | 10.5 | 11.0 | 12.0 |      |      |
| 16-17 | 11.0 |      | 11.0 | 5.0  |      |      | 4.5  |      |      |      | 3.0  | 2.0  | 2.5  | 2.0  |      |      | 8.0  | 7.5  | 6.5  | 8.0  | 10.5 | 7.5  | 3.5  |
| 17-18 | 8.0  | 10.0 | 2.0  | 3.0  | 8.0  | 11.5 |      | 5.5  |      |      | 1.5  | 3.5  |      |      |      |      | 10.5 | 6.0  | 3.0  | 5.5  | 9.5  |      | 8.5  |
| 18-19 | 5.5  | 3.5  | 7.5  | 1.0  |      | 9.5  | 2.0  |      |      |      |      | 5.0  |      | 1.0  |      | 10.0 |      | 4.0  | 9.0  | 2.5  | 8.5  | 7.5  | 3.5  |
| 19-20 | 2.5  |      |      |      | 7.0  | 7.0  | 5.0  | 2.5  |      | 1.5  | 6.0  |      |      |      |      |      |      | 2.5  | 5.0  | 10.5 | 7.5  | 12.0 | 8.5  |
| 20-21 | 10.5 | 7.5  | 4.0  | 8.5  | 11.5 | 5.0  |      |      | 0.5  | 2.5  | 4.5  |      | 5.0  |      | 9.5  |      | 4.5  | 1.0  | 1.5  | 8.0  | 6.0  | 7.0  | 3.5  |
| 21-22 | 8.0  | 1.0  | 9.5  | 6.5  | 6.0  |      | 2.0  |      | 1.5  | 3.5  | 3.0  |      | 3.0  |      | 11.5 |      | 7.5  | 10.5 | 7.5  | 5.0  | 5.0  | 11.5 | 8.5  |
| 22-23 | 5.0  | 11.5 |      | 4.5  | 10.5 | 12.0 | 5.5  | 5.0  | 2.0  | 4.5  | 1.5  |      | 1.0  |      |      |      | 10.0 | 9.0  | 3.5  | 2.5  | 4.0  | 6.5  | 3.5  |
| 23-24 | 2.0  | 5.0  | 6.0  | 2.5  | 5.0  | 9.5  |      |      | 2.5  |      |      |      |      |      |      | 11.5 |      | 7.5  | 10.0 | 10.0 | 3.0  | 11.5 | 8.5  |
| 24-25 | 10.0 |      | 11.5 |      | 9.5  | 7.5  | 2.5  | 2.0  | 3.5  |      | 6.0  | 1.5  |      |      |      |      |      | 6.0  | 6.0  | 7.5  | 1.5  | 6.5  | 3.5  |
| 25-26 | 7.5  | 9.0  | 2.5  | 9.5  |      | 5.5  |      |      | 4.0  |      | 4.5  | 3.0  | 6.0  |      |      |      | 4.0  | 4.0  | 2.5  | 5.0  | 12.0 | 11.0 | 8.0  |
| 26-27 | 4.5  | 2.0  | 8.0  | 7.5  | 8.5  |      |      |      | 4.5  |      | 3.0  | 4.5  | 4.0  |      | 10.0 |      | 6.5  | 2.5  | 8.5  | 2.0  | 11.0 |      | 3.5  |
| 27-28 | 2.0  |      |      | 5.5  |      |      | 3.0  | 4.5  | 5.0  |      | 1.5  | 6.0  | 1.5  |      |      | 10.5 | 9.5  | 1.0  | 4.5  | 10.0 | 9.5  | 10.5 | 8.0  |
| 28-29 | 9.5  | 6.0  | 4.5  | 3.5  | 7.5  | 10.0 |      |      |      |      |      |      |      |      |      |      | 12.0 | 10.5 | 1.0  | 7.0  | 8.5  |      | 3.5  |
| 29-30 | 7.0  |      | 10.0 | 1.5  | 11.5 | 8.0  |      | 1.5  |      |      | 6.0  |      |      | 2.5  |      |      |      | 9.0  | 7.0  | 4.5  | 7.5  | 10.5 | 8.0  |

|       | VX   | AR   | DL   | DY   | SZ   | UU   | DG   | DH   | RR   | WW   | SZ   | RZ   | AV   | RV   |
|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|       | HER  | HER  | HER  | HER  | HYA  | HYA  | HYA  | HYA  | LEO  | LEO  | LYN  | LYR  | PEG  | UMA  |
| MAX   | 9.9  | 10.6 | 11   | 10.2 | 10.6 | 10.7 | 11.6 | 11.4 | 10   | 11   | 9.1  | 10   | 9.9  | 10.1 |
| MIN   | 10.4 | 11.6 | 12.4 | 10.6 | 11.7 | 12.3 | 12.6 | 12.6 | 11.7 | 12   | 9.6  | 12   | 10.9 | 11.2 |
| RISE  | 2    | 2    | 1    | 1    | 2    | 2    | 3    | 2    | 2    | 3    | 1    | 2    | 2    | 3    |
| 0- 1  | 2.0  |      | 6.0  | 2.0  |      |      |      |      |      | 11.0 | 12.0 |      | 6.5  | 5.5  |
| 1- 2  |      | 7.0  |      |      |      |      |      |      |      |      |      |      | 1.5  | 4.0  |
| 2- 3  |      | 5.5  | 0.5  |      |      |      |      |      |      |      | 7.0  |      | 5.5  | 2.5  |
| 3- 4  |      | 4.5  | 5.0  | 5.0  |      |      |      | 11.5 | 11.0 | 9.0  |      |      | 9.5  | 1.0  |
| 4- 5  | 4.5  | 3.0  |      | 2.5  |      |      |      |      |      | 11.0 |      |      | 4.5  | 10.5 |
| 5- 6  | 2.5  | 1.5  |      |      |      |      | 12.0 |      |      |      | 1.0  | 8.5  | 9.0  |      |
| 6- 7  |      |      | 4.0  |      |      |      | 11.5 |      | 11.5 | 6.5  | 1.5  | 3.0  | 7.5  |      |
| 7- 8  |      |      |      | 5.0  |      |      | 11.0 |      |      | 8.5  | 2.0  | 7.5  | 6.0  |      |
| 8- 9  |      | 8.5  |      | 2.5  | 10.5 |      | 10.0 | 11.0 |      | 10.5 | 2.5  | 2.0  | 4.5  |      |
| 9-10  | 4.5  | 7.0  | 3.0  |      | 11.5 |      |      |      | 12.0 |      | 3.0  | 6.0  | 3.0  |      |
| 10-11 | 2.5  | 5.5  |      |      |      |      |      |      |      | 6.0  | 3.5  | 1.0  | 1.5  |      |
| 11-12 |      | 4.0  |      | 5.5  |      |      |      |      |      | 8.0  | 4.0  | 5.0  | 11.0 |      |
| 12-13 |      | 2.5  | 2.0  | 3.0  | 11.5 |      |      |      |      | 10.0 | 5.0  | 9.0  | 9.5  |      |
| 13-14 |      | 1.0  | 6.5  |      |      |      |      | 10.5 |      |      | 5.5  | 4.0  | 8.0  |      |
| 14-15 | 5.0  |      |      |      |      |      |      |      |      |      | 6.0  | 8.0  | 6.5  |      |
| 15-16 | 3.0  |      | 1.0  | 6.0  |      |      |      |      |      | 7.5  | 6.5  | 2.5  | 5.0  |      |
| 16-17 | 0.5  | 8.0  | 5.5  | 3.0  |      |      |      |      |      | 9.5  | 7.0  | 7.0  | 3.5  |      |
| 17-18 |      | 6.5  |      | 0.5  |      |      |      |      |      | 11.5 | 7.5  | 1.5  | 2.0  |      |
| 18-19 |      | 5.0  |      |      |      |      |      | 10.0 |      |      | 8.0  | 5.5  | 11.5 |      |
| 19-20 | 5.0  | 4.0  | 4.5  |      | 11.5 | 10.5 |      |      |      | 7.0  | 8.5  | 10.0 | 10.0 |      |
| 20-21 | 3.0  | 2.5  |      | 3.5  |      | 11.5 |      |      |      | 9.0  | 9.0  | 4.5  | 8.5  |      |
| 21-22 | 1.0  | 1.0  |      | 1.0  |      |      |      |      |      | 11.0 |      | 8.5  | 7.0  |      |
| 22-23 |      |      | 3.5  |      |      |      |      | 12.0 |      |      |      | 3.5  | 5.5  |      |
| 23-24 |      |      |      |      |      |      |      |      |      | 6.5  |      | 7.5  | 4.0  |      |
| 24-25 | 5.5  | 8.0  |      | 4.0  |      |      |      |      |      | 8.5  |      | 2.0  | 2.5  |      |
| 25-26 | 3.0  | 6.5  | 2.5  | 1.5  |      |      |      |      |      | 10.5 |      | 6.5  | 1.0  |      |
| 26-27 | 1.0  | 5.0  | 7.0  |      | 11.0 |      |      |      |      |      |      | 1.0  | 10.5 |      |
| 27-28 |      | 3.5  |      |      |      |      | 12.0 | 11.0 |      | 6.0  | 0.5  | 5.0  | 9.0  |      |
| 28-29 |      | 2.0  | 1.5  | 4.0  |      |      | 11.5 |      |      | 8.0  | 1.0  | 9.5  | 7.5  |      |
| 29-30 | 5.5  | 0.5  | 6.0  | 1.5  |      |      | 10.0 | 11.0 |      | 10.0 | 1.5  | 4.0  | 6.0  |      |

|       | SW   | XX   | AT   | SW   | TZ   | BH   | RS   | ST   | SW   | SZ   | TV   | TW   | UU   | UY   | RW   | TT   | RR   | XZ   | DM   | RW   | XZ   | RR   | TW   |     |
|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|
|       | AND  | AND  | AND  | AQR  | AUR  | AUR  | BOO  | BOO  | BOO  | BOO  | BOO  | BOO  | BOO  | BOO  | CNC  | CNC  | CET  | CYG  | CYG  | DRA  | DRA  | GEM  | HER  |     |
| MAX   | 9.3  | 10.3 | 10.8 | 10.5 | 11.2 | 11.1 | 9.8  | 10.6 | 11.3 | 12   | 10.8 | 10.8 | 11.2 | 10.6 | 10.7 | 11   | 9.3  | 9.1  | 11.2 | 11   | 9.6  | 10.7 | 10.5 |     |
| MIN   | 10.8 | 11.6 | 11.5 | 12.1 | 12.8 | 12.6 | 11.3 | 11.8 | 12.7 | 13.4 | 11.5 | 12.1 | 12.7 | 12   | 12.6 | 12.3 | 10.3 | 10.5 | 12.7 | 12   | 10.3 | 11.9 | 11.8 |     |
| RISE  | 2    | 3    | 3    | 1    | 2    | 2    | 2    | 3    | 2    | 2    | 3    | 2    | 1    | 2    | 2    | 3    | 2    | 3    | 2    | 2    | 3    | 2    | 2    |     |
| 0- 1  | 4.0  | 10.5 | 1.0  |      | 6.5  | 6.0  | 3.5  |      |      | 1.0  | 12.0 | 10.5 |      |      |      |      | 3.5  | 7.5  | 3.0  | 1.5  | 6.5  | 5.5  | 3.5  |     |
| 1- 2  | 1.5  | 3.5  | 6.5  |      | 10.5 | 4.0  |      |      |      | 2.0  | 3.0  | 12.5 |      |      | 8.0  | 9.0  | 6.0  | 6.0  | 9.5  | 9.5  | 5.0  | 10.0 |      |     |
| 2- 3  | 9.0  |      | 12.0 | 7.0  | 5.5  |      | 1.0  | 4.0  |      | 3.0  | 1.5  | 1.0  | 2.5  |      | 10.5 | 12.0 | 8.5  | 4.0  | 5.5  | 7.0  | 4.0  | 5.0  | 3.5  |     |
| 3- 4  | 6.5  | 7.5  | 3.0  | 5.0  | 9.5  | 10.5 |      |      |      |      |      | 2.5  | 0.5  | 0.5  |      |      | 11.5 | 2.5  | 1.5  | 4.0  | 3.0  | 9.5  |      |     |
| 4- 5  | 3.5  | 1.0  | 8.5  | 3.0  | 4.5  | 8.5  |      | 1.0  |      |      |      | 4.0  |      |      |      |      | 0.5  | 1.0  | 8.0  | 1.5  | 2.0  | 5.0  | 3.0  |     |
| 5- 6  | 1.0  | 11.5 |      | 1.0  | 8.5  | 6.5  | 1.5  |      |      |      | 12.0 |      |      |      |      | 7.5  | 3.0  | 10.5 | 4.0  | 9.5  | 0.5  | 9.5  |      |     |
| 6- 7  | 8.5  | 5.0  | 5.0  |      | 3.5  | 4.0  |      |      | 11.0 |      | 3.0  |      |      |      |      | 10.5 | 5.5  | 9.0  | 0.5  | 6.5  | 11.0 | 4.5  | 3.0  |     |
| 7- 8  | 6.0  |      | 10.5 |      | 7.5  | 2.0  |      | 3.5  | 11.5 |      | 1.5  |      | 3.0  |      | 8.5  |      | 8.0  | 7.5  | 6.5  | 4.0  | 10.0 | 9.0  |      |     |
| 8- 9  | 3.0  | 9.0  | 1.5  | 6.0  | 11.5 | 11.0 | 2.0  |      | 0.0  |      |      |      | 1.0  |      | 11.0 |      | 10.5 | 5.5  | 2.5  | 1.0  | 8.5  |      | 3.0  |     |
| 9-10  | 0.5  | 2.5  | 7.0  | 4.0  | 6.5  | 9.0  |      | 0.5  | 0.5  |      |      | 12.0 |      |      |      |      |      | 4.0  | 9.0  | 9.0  | 7.5  | 8.5  |      |     |
| 10-11 | 8.0  |      |      | 2.5  | 10.5 | 6.5  |      |      | 1.5  |      | 12.0 | 0.5  |      |      |      |      | 9.5  | 2.5  | 2.5  | 5.0  | 6.0  | 6.5  | 3.0  |     |
| 11-12 | 5.5  | 6.5  | 3.5  | 0.5  | 5.5  | 4.5  | 2.0  | 12.0 | 2.0  | 0.5  | 3.0  | 2.0  |      |      |      |      | 12.5 | 5.0  | 1.0  | 1.0  | 3.5  | 5.5  | 8.5  |     |
| 12-13 | 2.5  |      | 9.0  |      | 9.5  | 2.5  |      | 3.0  | 2.5  | 1.5  | 1.5  | 3.5  | 3.5  |      | 6.5  |      | 7.5  | 10.5 | 7.5  | 0.5  | 4.0  |      | 3.0  |     |
| 13-14 | 10.5 | 10.5 |      | 7.5  | 4.5  | 11.5 |      |      | 3.5  | 2.5  |      |      | 1.5  |      | 9.0  |      | 10.0 | 9.0  | 3.5  | 8.5  | 3.0  | 8.0  |      |     |
| 14-15 | 7.5  | 4.0  | 5.5  | 5.5  | 8.5  | 9.0  | 2.5  |      |      |      |      |      |      |      | 11.5 | 8.0  |      | 7.5  | 10.0 | 6.0  | 2.0  |      | 3.0  |     |
| 15-16 | 5.0  |      | 11.0 | 3.5  | 3.5  | 7.0  |      |      |      |      | 12.0 |      |      |      |      |      | 11.0 | 2.0  | 5.5  | 6.0  | 3.0  | 1.0  | 8.0  |     |
| 16-17 | 2.0  | 8.0  | 2.0  | 1.5  | 7.5  | 5.0  |      |      |      |      | 3.0  |      |      | 1.0  |      |      |      | 4.5  | 4.0  | 2.0  | 0.5  | 11.0 | 12.5 | 3.0 |
| 17-18 | 10.0 | 1.0  | 7.5  |      | 12.0 | 3.0  | 3.0  | 2.5  |      |      | 1.5  | 11.5 | 4.0  |      |      |      |      | 7.0  | 2.5  | 8.5  | 8.5  | 10.0 | 7.5  |     |
| 18-19 | 7.0  | 12.0 |      |      | 6.5  | 12.0 |      |      |      |      | 0.0  | 0.5  | 2.0  |      | 7.0  |      | 9.5  | 1.0  | 4.5  | 5.5  | 9.0  | 12.0 | 3.0  |     |
| 19-20 | 4.5  | 5.5  | 4.0  | 7.0  | 11.0 | 9.5  | 0.5  |      |      |      |      | 2.0  | 0.0  |      | 9.5  | 9.5  | 12.0 | 10.5 | 0.5  | 3.0  | 7.5  | 7.0  |      |     |
| 20-21 | 1.5  |      | 9.5  | 5.0  | 5.5  | 7.5  | 3.5  |      |      |      | 12.0 | 3.5  |      |      | 11.5 |      |      | 1.5  | 9.0  | 7.0  | 0.0  | 6.5  | 11.5 | 3.0 |
| 21-22 | 9.5  | 9.5  | 0.5  | 3.0  | 10.0 | 5.5  |      |      |      |      | 3.0  |      |      |      |      |      |      | 4.0  | 7.5  | 3.0  | 8.0  | 5.5  | 7.0  |     |
| 22-23 | 7.0  | 2.5  | 6.0  | 1.0  | 4.5  | 3.5  | 1.0  | 2.0  |      | 12.5 | 1.5  |      |      |      |      |      |      | 6.5  | 5.5  | 9.5  | 5.0  | 4.5  | 11.5 | 3.0 |
| 23-24 | 4.0  |      | 11.5 |      | 9.0  | 12.0 |      |      |      | 1.0  | 0.0  |      | 3.0  |      |      |      |      | 8.5  | 9.0  | 4.0  | 5.5  | 2.5  | 3.0  | 6.5 |
| 24-25 | 1.0  | 6.5  | 2.5  | 8.0  | 3.5  | 10.0 |      |      |      | 2.0  |      |      | 0.5  |      | 7.5  | 11.5 | 11.5 | 2.5  | 1.5  | 10.5 | 2.0  | 11.0 | 3.0  |     |
| 25-26 | 9.0  | 0.0  | 8.0  | 6.0  | 8.0  | 8.0  | 1.5  |      | 11.0 | 3.0  | 12.0 | 11.0 |      |      | 10.0 |      | 1.0  | 1.0  | 8.0  | 7.5  | 1.0  | 6.0  |      |     |
| 26-27 | 6.5  | 10.5 |      | 4.0  | 12.0 | 6.0  |      |      | 12.0 |      | 3.0  |      |      |      | 12.0 |      | 3.5  | 10.5 | 4.0  | 5.0  | 11.0 | 11.0 | 2.5  |     |
| 27-28 | 3.5  | 4.0  | 4.5  | 2.0  | 7.0  | 3.5  |      | 1.5  | 0.0  |      | 1.5  | 1.5  |      |      |      | 7.0  | 6.0  | 9.0  | 0.0  | 2.0  | 10.0 | 6.0  |      |     |
| 28-29 | 1.0  |      | 10.0 | 0.0  | 11.0 |      | 1.5  |      | 1.0  |      | 0.0  | 3.0  | 3.5  |      |      | 10.0 | 8.5  | 7.5  | 6.5  | 10.0 | 9.0  | 10.5 | 2.5  |     |
| 29-30 | 8.5  | 8.0  | 1.0  |      | 6.0  | 10.5 |      |      | 1.5  |      |      |      | 1.5  | 1.5  |      |      |      | 11.0 | 5.5  | 2.5  | 7.5  | 8.0  | 5.5  |     |
| 30-31 | 6.0  | 1.5  | 6.5  | 7.5  | 10.0 | 8.5  |      | 4.0  | 2.0  |      | 12.0 |      |      |      | 8.0  |      | 0.5  | 4.0  | 8.5  | 4.5  | 6.5  | 10.0 | 2.5  |     |

|       | VX   | AR   | DL   | DY   | SZ   | UU   | DG   | DH   | RR   | SS   | TV   | WW   | SZ   | RZ  | AV   | RV   |
|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|------|------|
|       | HER  | HER  | HER  | HER  | HYA  | HYA  | HYA  | HYA  | LEO  | LEO  | LEO  | LEO  | LYN  | LYR | PEG  | UMA  |
| MAX   | 9.9  | 10.6 | 11   | 10.2 | 10.6 | 10.7 | 11.6 | 11.4 | 10   | 10.5 | 11.5 | 11   | 9.1  | 10  | 9.9  | 10.1 |
| MIN   | 10.4 | 11.6 | 12.4 | 10.6 | 11.7 | 12.3 | 12.6 | 12.6 | 11.7 | 12   | 12.6 | 12   | 9.6  | 12  | 10.9 | 11.2 |
| RISE  | 2    | 2    | 1    | 1    | 2    | 2    | 3    | 2    | 2    | 2    | 2    | 3    | 1    | 2   | 2    | 3    |
| 0- 1  | 3.5  |      |      |      |      |      | 10.5 | 10.5 |      |      |      |      | 12.0 | 2.0 | 8.0  | 4.5  |
| 1- 2  | 1.5  |      | 0.5  |      |      |      | 11.5 | 10.0 |      |      |      |      | 5.5  | 2.5 | 3.0  | 3.0  |
| 2- 3  |      |      | 5.0  |      | 9.0  |      | 10.5 | 9.5  | 10.5 |      |      | 9.5  | 7.5  | 3.5 | 7.0  | 1.5  |
| 3- 4  |      | 6.0  |      | 2.0  | 10.5 |      |      | 9.0  | 8.5  |      | 10.5 |      | 9.5  | 4.0 | 1.5  | 11.0 |
| 4- 5  |      | 4.5  |      |      | 12.5 |      |      | 8.5  |      | 10.5 |      |      | 11.5 | 4.5 | 6.0  | 9.5  |
| 5- 6  | 3.5  | 3.5  | 4.0  |      |      |      | 11.0 |      |      |      | 11.0 | 10.0 | 5.0  | 5.0 | 0.5  | 8.0  |
| 6- 7  | 1.5  | 2.0  |      |      |      |      |      | 12.5 |      |      |      |      | 7.0  | 5.5 | 4.5  | 6.5  |
| 7- 8  |      | 0.5  |      | 2.0  |      |      |      | 10.0 |      | 11.5 |      |      | 9.0  | 6.0 | 9.0  | 5.0  |
| 8- 9  |      |      | 3.0  |      |      |      | 11.5 | 8.0  |      |      | 10.5 | 11.0 | 6.5  | 3.5 | 3.5  |      |
| 9-10  |      |      |      |      |      | 8.0  |      |      |      | 11.0 | 12.0 |      | 4.5  | 7.0 | 7.5  | 2.0  |
| 10-11 | 4.0  |      |      |      | 10.0 | 9.5  |      |      |      |      |      |      | 6.5  |     | 2.5  | 0.5  |
| 11-12 | 1.5  | 6.0  | 2.0  | 2.5  | 12.0 | 10.5 | 12.0 | 12.0 |      | 12.5 | 10.5 | 8.5  |      |     | 6.5  | 10.0 |
| 12-13 |      | 4.5  |      |      |      | 11.5 |      | 9.5  |      |      |      |      | 10.5 |     | 1.0  | 8.5  |
| 13-14 |      | 3.0  |      |      |      |      |      |      |      |      |      |      | 4.0  |     | 5.5  | 7.0  |
| 14-15 |      | 1.5  | 1.0  |      |      |      | 12.5 |      | 11.0 |      | 11.0 | 6.0  |      |     | 0.0  | 5.5  |
| 15-16 | 4.0  | 0.0  |      | 3.0  |      |      |      |      |      |      |      |      | 8.0  |     | 4.0  | 4.0  |
| 16-17 | 2.0  |      |      | 0.0  |      |      |      | 11.0 |      |      |      |      | 10.0 |     | 8.5  | 2.5  |
| 17-18 |      |      |      |      | 10.0 |      |      | 9.0  |      |      | 11.5 | 12.0 |      |     | 3.0  | 1.0  |
| 18-19 |      |      | 4.0  |      | 11.5 |      |      |      |      |      |      |      | 5.5  |     | 7.0  | 10.5 |
| 19-20 |      | 5.5  |      | 3.0  |      |      |      | 12.0 |      | 11.5 |      |      | 7.5  | 0.0 | 2.0  | 9.0  |
| 20-21 |      | 4.0  |      | 0.5  |      | 8.0  |      | 11.5 |      |      | 11.5 | 9.5  | 0.5  | 6.0 | 7.5  |      |
| 21-22 | 2.0  | 3.0  | 3.0  |      |      | 9.5  |      | 11.0 | 10.5 |      |      |      | 11.5 | 1.5 | 0.5  | 6.0  |
| 22-23 | 0.0  | 1.5  |      |      |      | 10.5 |      | 10.5 | 8.5  |      |      |      | 5.0  | 2.0 | 5.0  | 4.5  |
| 23-24 |      | 11.0 |      | 3.5  |      | 11.5 |      | 10.0 |      |      | 12.0 | 7.0  | 2.5  | 9.0 | 3.0  |      |
| 24-25 |      |      | 2.0  | 1.0  | 9.5  |      |      | 9.5  |      | 11.5 |      |      | 9.0  | 3.0 | 3.5  | 1.5  |
| 25-26 |      |      |      |      | 11.0 |      |      | 9.0  | 12.5 |      |      |      | 11.0 | 3.5 | 8.0  | 11.0 |
| 26-27 | 2.5  |      |      |      |      |      |      | 8.5  | 10.0 |      | 12.5 | 4.5  | 4.0  | 2.5 | 9.5  |      |
| 27-28 | 0.0  | 5.5  | 1.0  | 4.0  |      |      | 8.0  |      | 8.0  |      |      |      | 6.5  | 4.5 | 6.5  | 8.0  |
| 28-29 |      | 4.0  |      | 1.0  |      |      |      |      |      |      |      |      | 8.5  | 5.0 | 1.5  | 6.5  |
| 29-30 |      | 2.5  |      |      |      |      |      |      |      | 12.0 |      |      | 10.5 | 5.5 | 5.5  | 5.0  |
| 30-31 |      | 1.0  | 0.0  |      |      |      | 8.5  |      | 12.0 |      |      |      | 3.5  | 6.0 | 0.0  | 3.5  |

|       | SW   | XX   | AT   | SW   | TZ   | BH   | RS   | ST   | SW   | SZ   | TV   | TW   | UU   | UY   | RW   | TT   | RR   | XZ   | DM   | RW   | XZ   | RR   | TW   |
|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|       | AND  | AND  | AND  | AQR  | AUR  | AUR  | BOO  | BOO  | BOO  | BOO  | BOO  | BOO  | BOO  | BOO  | CNC  | CNC  | CET  | CYG  | CYG  | DRA  | DRA  | GEM  | HER  |
| MAX   | 9.3  | 10.3 | 10.8 | 10.5 | 11.2 | 11.1 | 9.8  | 10.6 | 11.3 | 12   | 10.8 | 10.8 | 11.2 | 10.6 | 10.7 | 11   | 9.3  | 9.1  | 11.2 | 11   | 9.6  | 10.7 | 10.5 |
| MIN   | 10.8 | 11.6 | 11.5 | 12.1 | 12.8 | 12.6 | 11.3 | 11.8 | 12.7 | 13.4 | 11.5 | 12.1 | 12.7 | 12   | 12.6 | 12.3 | 10.3 | 10.5 | 12.7 | 12   | 10.3 | 11.9 | 11.8 |
| RISE  | 2    | 3    | 3    | 1    | 2    | 2    | 2    | 3    | 2    | 2    | 3    | 2    | 1    | 2    | 2    | 3    | 2    | 3    | 2    | 2    | 3    | 2    | 2    |
| 0- 1  | 3.0  | 12.0 |      | 5.5  | 5.0  | 6.5  | 11.0 | 10.0 |      |      | 10.5 |      |      |      | 10.5 | 5.5  | 3.0  | 2.5  | 5.0  | 2.0  | 5.5  | 5.0  |      |
| 1- 2  | 0.5  | 5.5  | 3.0  | 3.5  | 9.0  | 4.0  |      | 1.0  |      | 10.5 | 1.5  | 9.0  |      |      | 12.5 | 8.5  | 5.5  | 1.0  | 1.0  | 9.5  | 4.5  | 10.0 | 2.5  |
| 2- 3  | 8.0  |      | 8.5  | 1.5  | 4.0  | 2.0  |      |      |      | 12.0 | 0.0  | 10.5 |      |      |      | 11.5 | 8.0  | 10.5 | 7.5  | 7.0  | 3.5  | 5.0  |      |
| 3- 4  | 5.5  | 9.5  |      |      | 8.0  | 11.0 | 11.5 | 13.0 |      | 0.5  |      | 12.5 | 2.0  |      |      |      |      | 9.0  | 3.5  | 4.0  | 2.0  | 9.5  | 2.5  |
| 4- 5  | 2.5  | 3.0  | 5.0  |      | 3.0  | 9.0  |      |      |      |      | 12.0 | 1.0  | 11.0 |      | 6.5  |      |      | 7.0  |      | 1.5  | 1.0  | 4.5  |      |
| 5- 6  | 10.5 |      | 10.5 |      | 7.0  | 6.5  |      |      |      |      | 10.5 |      |      |      | 8.5  | 7.5  | 2.5  | 5.5  | 6.0  | 9.5  | 11.5 | 9.0  | 2.5  |
| 6- 7  | 7.5  | 7.0  | 1.0  | 4.5  | 2.0  | 4.5  | 12.0 | 0.5  |      |      | 1.5  |      |      | 12.5 | 11.0 | 10.5 | 5.0  | 4.0  | 2.0  | 6.5  | 10.5 | 4.0  |      |
| 7- 8  | 5.0  | 0.5  | 7.0  | 2.5  | 6.0  | 2.5  |      |      |      |      | 0.0  |      |      |      |      |      | 7.5  | 2.5  |      | 4.0  | 9.0  | 9.0  | 2.5  |
| 8- 9  | 2.0  | 11.0 |      | 1.0  | 10.5 | 0.5  | 0.5  | 12.0 |      |      |      |      |      | 11.5 |      |      | 10.0 | 1.0  | 4.5  | 1.0  | 8.0  | 4.0  |      |
| 9-10  | 10.0 | 4.5  | 3.5  |      | 5.0  | 9.0  | 12.5 |      |      |      | 12.0 | 9.0  | 0.5  |      | 4.5  | 6.0  |      | 10.5 | 0.5  | 9.0  | 7.0  | 8.5  | 2.5  |
| 10-11 | 7.0  |      | 9.0  |      | 9.5  | 7.0  |      |      | 9.0  |      | 10.5 | 10.5 |      | 10.0 | 7.0  | 9.0  | 2.0  | 9.0  | 6.5  | 6.5  | 5.5  | 3.5  |      |
| 11-12 | 4.5  | 8.5  |      | 6.0  | 4.0  | 5.0  | 1.0  |      | 10.0 |      | 1.5  | 12.0 |      |      | 9.0  | 12.0 | 4.5  | 7.0  | 3.0  | 3.5  | 4.5  | 8.0  | 2.5  |
| 12-13 | 1.5  | 1.5  | 5.5  | 4.0  | 8.5  | 3.0  |      |      | 10.5 | 10.0 | 0.0  | 0.5  |      |      | 11.5 |      | 7.0  | 5.5  |      | 1.0  | 3.5  | 3.0  |      |
| 13-14 | 9.5  | 12.5 | 11.0 | 2.0  | 3.0  | 0.5  |      | 11.5 | 11.0 | 11.5 |      | 2.0  |      |      |      | 4.5  | 9.5  | 4.0  | 5.5  | 8.5  | 2.5  | 8.0  | 2.5  |
| 14-15 | 6.5  | 5.5  | 1.5  | 0.0  | 7.5  | 9.5  | 1.5  |      | 12.0 | 12.5 | 12.0 |      | 1.0  |      |      | 7.5  |      | 2.5  | 1.5  | 6.0  | 1.0  | 3.0  |      |
| 15-16 | 4.0  |      | 7.5  |      | 2.0  | 7.5  |      |      | 0.0  | 1.0  | 10.5 |      | 10.0 |      | 5.0  | 10.5 | 1.5  | 1.0  | 7.5  | 3.0  | 0.0  | 7.5  | 2.0  |
| 16-17 | 1.0  | 10.0 |      |      | 6.5  | 5.5  |      |      | 1.0  |      | 1.5  |      |      |      | 7.0  |      | 4.0  | 10.5 | 4.0  | 0.5  | 10.5 | 2.5  |      |
| 17-18 | 9.0  | 3.0  | 3.5  | 5.0  | 1.0  | 3.5  | 11.0 |      | 1.5  |      | 0.0  |      |      |      | 9.5  |      | 6.5  | 9.0  |      | 8.5  | 9.5  | 7.0  | 2.0  |
| 18-19 | 6.0  |      | 9.5  | 3.5  | 5.5  | 1.0  |      | 11.0 |      |      |      | 10.0 |      |      | 12.0 | 6.5  | 9.0  | 7.0  | 6.0  | 5.5  | 8.0  | 2.0  |      |
| 19-20 | 3.5  | 7.0  | 0.0  | 1.5  | 9.5  | 10.0 |      | 2.0  |      |      | 12.0 | 11.5 | 2.0  | 13.0 |      | 9.5  |      | 5.5  | 2.5  | 3.0  | 7.0  | 7.0  | 2.0  |
| 20-21 | 0.5  | 0.5  | 6.0  |      | 4.5  | 8.0  | 11.0 |      |      |      | 10.5 | 0.5  | 10.5 |      |      | 12.5 | 0.5  | 4.0  |      | 0.0  | 6.0  | 11.5 |      |
| 21-22 | 8.5  | 11.0 | 11.5 |      | 8.5  | 6.0  |      |      |      |      | 1.5  | 2.0  |      | 12.0 | 5.5  |      | 3.5  | 2.5  | 4.5  | 8.0  | 5.0  | 6.5  | 2.0  |
| 22-23 | 6.0  | 4.5  | 2.0  |      | 3.5  | 3.5  |      |      |      |      | 0.0  |      |      |      | 7.5  | 5.0  | 6.0  | 1.0  | 1.0  | 5.5  | 3.5  | 11.0 |      |
| 23-24 | 3.0  |      | 8.0  | 4.5  | 7.5  | 1.5  | 11.5 | 10.5 |      |      |      |      |      | 10.5 | 10.0 | 8.0  | 8.5  | 10.5 | 7.0  | 2.5  | 2.5  | 6.0  | 2.0  |
| 24-25 | 0.0  | 8.5  |      | 2.5  | 2.5  | 10.5 |      | 1.5  |      | 11.0 | 12.0 |      |      |      | 12.0 | 11.0 |      | 9.0  | 3.5  | 10.5 | 1.5  | 11.0 |      |
| 25-26 | 8.0  | 2.0  | 4.0  | 0.5  | 6.5  | 8.5  |      |      |      | 12.0 | 10.5 |      | 0.5  |      |      |      | 0.0  | 7.0  |      | 7.5  | 0.5  | 6.0  | 2.0  |
| 26-27 | 5.5  | 12.5 | 10.0 |      | 1.5  | 6.0  | 12.0 |      |      | 0.5  | 1.5  | 9.5  |      |      |      |      | 2.5  | 5.5  | 5.5  | 5.0  | 10.5 | 10.5 |      |
| 27-28 | 2.5  | 6.0  | 0.5  |      | 5.5  | 4.0  |      |      |      |      | 0.0  | 11.0 |      |      | 6.0  | 6.5  | 5.5  | 4.0  | 2.0  | 2.0  | 9.5  | 5.5  | 2.0  |
| 28-29 | 10.5 |      | 6.0  | 6.0  | 10.0 | 2.0  | 0.5  | 10.0 |      |      |      | 12.5 |      |      | 8.0  | 10.0 | 8.0  | 2.5  | 8.0  | 10.0 | 8.5  | 10.0 |      |
| 29-30 | 7.5  | 10.0 |      | 4.0  | 4.5  | 11.0 | 12.5 | 1.0  | 9.5  |      | 12.0 | 1.5  |      |      | 10.5 | 13.0 |      | 1.0  | 4.0  | 7.5  | 7.0  | 5.0  | 2.0  |

|       | VX   | AR   | DL   | DY   | SZ   | UU   | DG   | DH   | RR   | SS   | TV   | WW   | SZ   | RZ  | AV   | RV   |
|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|------|------|
|       | HER  | HER  | HER  | HER  | HYA  | HYA  | HYA  | HYA  | LEO  | LEO  | LEO  | LEO  | LYN  | LYR | PEG  | UMA  |
| MAX   | 9.9  | 10.6 | 11   | 10.2 | 10.6 | 10.7 | 11.6 | 11.4 | 10   | 10.5 | 11.5 | 11   | 9.1  | 10  | 9.9  | 10.1 |
| MIN   | 10.4 | 11.6 | 12.4 | 10.6 | 11.7 | 12.3 | 12.6 | 12.6 | 11.7 | 12   | 12.6 | 12   | 9.6  | 12  | 10.9 | 11.2 |
| RISE  | 2    | 2    | 1    | 1    | 2    | 2    | 3    | 2    | 2    | 2    | 2    | 3    | 1    | 2   | 2    | 3    |
| 0- 1  |      | 11.0 |      |      | 9.0  | 8.5  |      |      | 9.5  | 9.0  |      | 8.0  | 6.0  |     | 4.5  | 2.0  |
| 1- 2  | 0.5  | 9.5  |      | 1.5  | 11.0 | 9.5  |      |      | 7.0  |      | 9.0  |      | 8.0  |     |      | 0.0  |
| 2- 3  |      |      |      |      | 12.5 | 10.5 | 9.0  |      |      |      |      |      | 10.0 |     | 3.0  | 10.0 |
| 3- 4  |      |      |      |      |      | 11.5 |      |      |      | 12.0 | 9.5  | 8.5  | 3.0  |     | 7.5  | 8.5  |
| 4- 5  |      |      |      |      |      | 13.0 |      |      | 11.0 |      |      |      | 5.0  |     | 2.0  | 7.0  |
| 5- 6  |      | 3.5  |      | 2.0  |      |      | 9.0  |      | 9.0  | 9.5  | 10.0 |      | 7.5  |     | 6.0  | 5.5  |
| 6- 7  | 0.5  | 2.5  | 2.5  |      | 7.0  |      |      |      | 6.5  |      |      | 9.0  | 9.5  |     | 1.0  | 4.0  |
| 7- 8  |      | 1.0  |      |      | 8.5  |      |      |      |      |      | 10.5 |      | 2.5  |     | 5.0  | 2.5  |
| 8- 9  |      | 10.5 |      |      | 10.5 |      | 9.5  |      | 13.0 | 12.5 |      |      | 4.5  |     |      | 0.5  |
| 9-10  |      | 9.5  | 1.5  | 13.0 | 12.0 |      |      | 12.5 | 10.5 |      | 10.5 | 9.0  | 6.5  |     | 4.0  | 10.5 |
| 10-11 |      |      |      |      |      | 7.0  |      | 12.0 | 8.5  | 9.5  |      |      | 9.0  |     |      | 9.0  |
| 11-12 | 1.0  |      |      |      |      | 8.5  | 10.0 | 11.5 | 6.0  |      | 11.0 |      | 2.0  | 0.5 | 2.5  | 7.5  |
| 12-13 |      |      | 0.5  |      |      | 9.5  |      | 11.0 |      |      |      | 9.5  | 4.0  | 1.0 | 6.5  | 6.0  |
| 13-14 |      | 3.5  |      |      | 6.5  | 10.5 |      | 10.5 | 12.5 | 12.5 | 11.5 |      | 6.0  | 1.5 | 1.5  | 4.5  |
| 14-15 |      | 2.0  |      |      | 8.5  | 11.5 | 10.5 | 10.0 | 10.0 |      |      |      | 8.0  | 2.0 | 5.5  | 3.0  |
| 15-16 |      | 0.5  |      |      | 10.0 | 13.0 |      | 9.5  | 8.0  | 10.0 | 12.0 | 10.0 | 10.5 | 2.5 | 0.5  | 1.0  |
| 16-17 | 1.0  | 10.5 |      |      | 12.0 |      |      | 9.0  | 5.5  |      |      |      | 3.5  | 3.0 | 4.5  | 11.0 |
| 17-18 |      | 9.0  |      |      |      |      | 11.0 | 8.5  |      |      | 12.5 |      | 5.5  | 3.5 |      | 9.5  |
| 18-19 |      |      |      | 0.0  |      |      |      | 8.0  | 12.0 | 13.0 |      | 10.0 | 7.5  | 4.0 | 3.5  | 8.0  |
| 19-20 |      |      |      |      |      |      |      | 7.5  | 9.5  |      | 13.0 |      | 9.5  | 4.5 | 7.5  | 6.5  |
| 20-21 |      |      |      |      |      |      | 11.0 | 7.0  | 7.5  | 10.0 |      |      | 3.0  | 5.0 | 2.0  | 5.0  |
| 21-22 | 1.5  | 3.0  |      |      | 8.0  | 7.0  |      | 6.5  |      |      |      | 10.5 | 5.0  |     | 6.0  | 3.5  |
| 22-23 |      | 2.0  | 2.0  | 0.5  | 9.5  | 8.5  |      |      |      |      |      |      | 7.0  |     | 1.0  | 2.0  |
| 23-24 |      | 0.5  |      |      | 11.5 | 9.5  | 11.5 |      | 11.5 |      |      | 6.0  | 9.0  |     | 5.0  | 0.0  |
| 24-25 |      | 10.0 |      |      |      | 10.5 |      |      | 9.0  |      |      | 11.0 | 2.5  |     |      | 10.0 |
| 25-26 |      |      | 1.0  |      |      | 12.0 |      |      | 6.5  | 10.5 |      |      | 4.5  |     | 4.0  | 8.5  |
| 26-27 | 1.5  |      |      | 1.0  |      | 13.0 | 12.0 |      |      |      |      | 6.5  | 6.5  |     |      | 7.0  |
| 27-28 |      |      |      |      |      |      | 6.0  |      | 13.0 |      |      | 11.0 | 8.5  |     | 3.0  | 5.5  |
| 28-29 |      | 4.5  |      |      | 7.5  |      |      |      | 10.5 |      |      |      | 2.0  |     | 7.0  | 4.0  |
| 29-30 |      | 3.0  |      |      | 9.5  |      | 12.5 |      | 8.5  |      |      | 6.5  | 4.0  |     | 1.5  | 2.5  |

|       | SW   | XX   | AT   | SW   | TZ   | BH   | RS   | ST   | SW   | SZ   | TV   | TW   | UU   | UY   | RW   | TT   | RR   | XZ   | DM   | RW   | XZ   | RR   | TW   |
|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|       | AND  | AND  | AND  | AQR  | AUR  | AUR  | BOO  | BOO  | BOO  | BOO  | BOO  | BOO  | BOO  | BOO  | CNC  | CNC  | CET  | CYG  | CYG  | DRA  | DRA  | GEM  | HER  |
| MAX   | 9.3  | 10.3 | 10.8 | 10.5 | 11.2 | 11.1 | 9.8  | 10.6 | 11.3 | 12   | 10.8 | 10.8 | 11.2 | 10.6 | 10.7 | 11   | 9.3  | 9.1  | 11.2 | 11   | 9.6  | 10.7 | 10.5 |
| MIN   | 10.8 | 11.6 | 11.5 | 12.1 | 12.8 | 12.6 | 11.3 | 11.8 | 12.7 | 13.4 | 11.5 | 12.1 | 12.7 | 12   | 12.6 | 12.3 | 10.3 | 10.5 | 12.7 | 12   | 10.3 | 11.9 | 11.8 |
| RISE  | 2    | 3    | 3    | 1    | 2    | 2    | 2    | 3    | 2    | 2    | 3    | 2    | 1    | 2    | 2    | 3    | 2    | 3    | 2    | 2    | 3    | 2    | 2    |
| 0- 1  | 5.0  | 3.5  | 2.5  | 2.0  | 9.0  | 8.5  |      |      | 10.0 |      | 10.5 |      | 12.0 |      | 12.5 |      |      | 10.5 | 0.5  | 4.5  | 6.0  | 0.5  |      |
| 1- 2  | 2.0  |      | 8.5  |      | 3.5  | 6.5  | 10.0 | 13.0 | 10.5 |      | 9.0  |      | 10.0 |      |      | 5.5  | 2.0  | 9.0  |      | 2.0  | 5.0  | 5.0  | 2.0  |
| 2- 3  |      | 7.5  |      |      | 8.0  | 4.5  |      |      | 11.0 |      | 7.5  |      |      |      | 4.0  | 8.5  | 4.5  | 7.0  | 2.5  | 10.0 | 4.0  | 9.5  |      |
| 3- 4  | 7.0  | 0.5  | 4.5  |      | 2.5  | 2.5  |      | 9.5  | 12.0 | 8.0  | 6.0  | 7.5  |      |      | 6.5  | 11.5 | 7.5  | 5.5  |      | 7.0  | 2.5  | 4.5  | 2.0  |
| 4- 5  | 4.5  |      |      |      | 7.0  | 0.5  | 10.5 | 0.5  | 12.5 | 9.0  | 12.0 | 9.0  |      | 12.5 | 8.5  |      |      | 4.0  | 5.0  | 4.5  | 1.5  | 9.0  |      |
| 5- 6  | 1.5  | 5.0  | 1.0  | 3.0  | 1.5  | 9.0  |      |      |      | 10.5 | 10.5 | 10.5 | 12.5 |      | 11.0 | 4.0  |      | 2.5  | 1.0  | 1.5  | 0.5  | 4.5  | 1.5  |
| 6- 7  |      |      | 6.5  | 1.0  | 6.0  | 7.0  |      | 12.5 |      | 11.5 | 9.0  | 12.5 | 10.5 | 11.0 |      | 7.0  | 1.5  | 0.5  |      | 9.5  | 10.5 | 9.0  |      |
| 7- 8  | 6.5  | 9.0  |      |      | 0.5  | 5.0  | 10.5 |      |      | 12.5 | 7.5  |      | 8.5  |      |      | 10.0 | 4.0  | 10.5 | 3.5  | 6.5  | 9.5  | 4.0  | 1.5  |
| 8- 9  | 4.0  | 2.0  | 3.0  |      | 5.0  | 3.0  |      | 9.0  |      |      | 6.0  |      |      | 10.0 | 4.5  |      | 6.5  | 8.5  |      | 4.0  | 8.5  | 8.5  |      |
| 9-10  | 1.0  |      | 9.0  |      | 9.0  | 0.5  | 8.0  | 0.0  |      |      | 12.5 |      |      |      | 7.0  | 2.5  |      | 7.0  | 6.0  | 1.5  | 7.5  | 3.5  | 1.5  |
| 10-11 |      | 6.0  |      |      | 4.0  | 9.5  | 11.0 |      |      |      | 11.0 |      |      | 9.0  | 9.0  | 5.5  |      | 5.5  | 2.0  | 9.0  | 6.0  | 8.0  |      |
| 11-12 | 6.0  |      | 5.0  | 2.5  | 8.0  | 7.5  |      | 12.0 |      |      | 9.5  | 7.5  | 0.0  |      | 11.5 | 9.0  | 1.0  | 4.0  |      | 6.5  | 5.0  | 3.5  | 1.5  |
| 12-13 | 3.5  | 10.0 |      | 0.5  | 3.0  | 5.5  | 8.5  |      |      |      | 8.0  | 9.0  | 9.0  |      |      | 12.0 | 3.5  | 2.5  | 4.5  | 3.5  | 4.0  | 8.0  |      |
| 13-14 | 0.5  | 3.5  | 1.5  |      | 7.0  | 3.0  | 11.5 | 8.5  |      |      | 6.5  | 10.5 |      |      | 2.5  |      | 6.0  | 0.5  | 0.5  | 1.0  | 3.0  | 3.0  | 1.5  |
| 14-15 | 8.5  |      | 7.0  |      | 2.0  | 1.0  |      |      |      |      | 12.5 | 12.0 |      |      | 5.0  | 4.5  |      | 10.5 |      | 9.0  | 1.5  | 7.5  |      |
| 15-16 | 5.5  | 7.5  |      |      | 6.0  | 10.0 | 9.0  |      | 7.5  | 8.5  | 11.0 |      |      |      | 7.5  | 7.5  |      | 8.5  | 3.0  | 6.0  | 0.5  | 2.5  | 1.5  |
| 16-17 | 3.0  | 1.0  | 3.5  | 3.5  | 1.0  | 8.0  | 12.0 | 11.5 | 8.0  | 10.0 | 9.5  |      | 12.0 |      | 9.5  | 10.5 | 0.5  | 7.0  |      | 3.5  | 11.0 | 7.0  |      |
| 17-18 | 0.0  |      | 9.0  | 1.5  | 5.0  | 5.5  |      |      | 8.5  | 11.0 | 8.0  |      | 9.5  | 13.0 | 12.0 |      | 3.0  | 5.5  | 5.5  | 0.5  | 9.5  | 2.5  | 1.5  |
| 18-19 | 8.0  | 5.0  | 0.0  |      | 9.0  | 3.5  | 9.5  | 8.0  | 9.5  | 12.0 | 6.5  |      |      |      |      | 3.0  | 5.5  | 4.0  | 1.5  | 8.5  | 8.5  | 7.0  |      |
| 19-20 | 5.0  |      | 5.5  |      | 4.0  | 1.5  | 12.5 |      | 10.0 |      | 12.5 | 7.0  |      | 11.5 | 3.0  | 6.0  | 8.0  | 2.5  |      | 6.0  | 7.5  | 2.0  | 1.5  |
| 20-21 | 2.5  | 9.0  |      |      | 8.0  | 10.5 |      |      | 10.5 |      | 11.0 | 8.5  |      |      | 5.5  | 9.0  |      | 0.5  | 4.0  | 3.0  | 6.5  | 6.5  |      |
| 21-22 |      | 2.5  | 2.0  |      | 3.0  | 8.0  | 10.0 | 11.0 | 11.0 |      | 9.5  | 10.0 | 12.5 | 10.5 | 7.5  | 12.0 |      | 10.5 | 0.0  | 0.5  | 5.0  | 1.5  | 1.5  |
| 22-23 | 7.5  |      | 7.5  | 3.0  | 7.0  | 6.0  | 13.0 |      | 12.0 |      | 8.0  | 11.5 | 10.5 |      | 10.0 |      | 2.5  | 8.5  |      | 8.0  | 4.0  | 6.5  |      |
| 23-24 | 5.0  | 6.5  |      | 1.0  | 2.0  | 4.0  |      |      | 12.5 |      | 6.5  | 0.5  | 8.5  | 9.5  | 12.5 | 5.0  | 5.0  | 7.0  | 2.5  | 5.5  | 3.0  | 1.5  | 1.5  |
| 24-25 | 2.0  |      | 4.0  |      | 6.0  | 2.0  | 10.5 |      |      |      | 12.5 |      |      |      |      | 8.0  | 7.5  | 5.5  |      | 2.5  | 2.0  | 6.0  |      |
| 25-26 |      | 10.5 |      |      | 1.0  | 10.5 |      |      |      |      | 11.0 |      |      | 8.5  | 3.5  | 11.0 |      | 4.0  | 5.0  | 10.5 | 0.5  | 1.0  | 1.5  |
| 26-27 | 7.0  | 4.0  | 0.5  |      | 5.0  | 8.5  |      | 10.0 |      | 8.0  | 9.5  |      |      |      | 6.0  |      |      | 2.5  | 1.0  | 8.0  | 11.0 | 5.5  |      |
| 27-28 | 4.5  |      | 6.0  |      | 9.5  | 6.5  | 10.5 |      |      | 9.5  | 8.0  |      | 0.0  |      | 8.0  | 3.5  | 2.0  | 0.5  |      | 5.0  | 10.0 | 0.5  | 1.0  |
| 28-29 | 1.5  | 8.0  |      | 2.5  | 4.0  | 4.5  |      |      |      | 10.5 | 6.5  | 8.0  | 9.0  |      | 10.5 | 6.5  | 4.5  | 10.5 | 3.5  | 2.5  | 8.5  | 5.5  |      |
| 29-30 |      | 1.0  | 2.5  | 0.5  | 8.5  | 2.5  | 8.0  | 13.0 |      | 11.5 | 12.5 | 9.5  |      |      | 12.5 | 9.5  | 7.0  | 8.5  |      | 10.0 | 7.5  | 0.5  | 1.0  |
| 30-31 | 6.5  |      | 8.0  |      | 3.0  | 0.0  | 11.0 |      |      | 12.5 | 11.0 | 11.0 |      |      |      | 12.5 |      | 7.0  | 6.0  | 7.5  | 6.5  | 5.0  |      |



|       | VX   | AR   | DL   | DY   | SZ   | UU   | DG   | DH   | RR   | SS   | TV   | WW   | SZ  | RZ   | AV   | RV   |
|-------|------|------|------|------|------|------|------|------|------|------|------|------|-----|------|------|------|
|       | HER  | HER  | HER  | HER  | HYA  | HYA  | HYA  | HYA  | LEO  | LEO  | LEO  | LEO  | LYN | LYR  | PEG  | UMA  |
| MAX   | 9.9  | 10.6 | 11   | 10.2 | 10.6 | 10.7 | 11.6 | 11.4 | 10   | 10.5 | 11.5 | 11   | 9.1 | 10   | 9.9  | 10.1 |
| MIN   | 10.4 | 11.6 | 12.4 | 10.6 | 11.7 | 12.3 | 12.6 | 12.6 | 11.7 | 12   | 12.6 | 12   | 9.6 | 12   | 10.9 | 11.2 |
| RISE  | 2    | 2    | 1    | 1    | 2    | 2    | 3    | 2    | 2    | 2    | 2    | 3    | 1   | 2    | 2    | 3    |
| 0- 1  |      | 1.5  |      | 12.0 | 11.0 | 5.0  | 6.5  |      | 6.0  | 10.5 | 7.5  | 11.5 | 6.0 |      | 5.5  | 0.5  |
| 1- 2  | 12.5 | 0.0  |      |      | 13.0 | 6.0  |      | 13.0 | 4.0  |      |      |      | 8.0 |      | 0.5  | 10.5 |
| 2- 3  | 10.5 | 10.0 |      |      |      | 7.0  | 13.0 | 12.5 | 12.5 | 7.5  | 8.0  | 7.0  | 1.5 | 11.5 | 4.5  | 9.0  |
| 3- 4  |      | 8.5  |      |      |      | 8.5  | 7.0  | 12.0 | 10.0 |      |      | 12.0 | 3.5 | 12.0 |      | 7.5  |
| 4- 5  |      | 7.0  | 12.0 | 12.0 | 5.5  | 9.5  |      | 11.5 | 8.0  |      | 8.0  |      | 5.5 | 0.5  | 3.5  | 6.0  |
| 5- 6  |      |      |      |      | 7.0  | 10.5 |      | 10.5 | 5.5  | 11.0 |      | 7.5  | 7.5 | 1.0  |      | 4.5  |
| 6- 7  | 13.0 |      |      |      | 9.0  | 12.0 | 7.5  | 10.0 |      |      | 8.5  | 12.0 | 1.0 | 1.5  | 2.5  | 3.0  |
| 7- 8  | 10.5 |      |      |      | 10.5 | 13.0 |      | 9.5  | 12.0 | 8.0  |      |      | 3.0 | 2.0  |      | 1.0  |
| 8- 9  |      | 1.5  |      | 12.5 | 12.5 |      |      | 9.0  | 9.5  |      | 9.0  | 7.5  | 5.0 | 2.5  | 1.0  | 11.0 |
| 9-10  |      | 11.0 |      |      |      |      | 8.0  | 8.5  | 7.5  |      |      | 12.5 | 7.0 | 3.0  | 5.0  | 9.5  |
| 10-11 |      | 9.5  |      |      |      |      | 8.0  | 5.0  | 11.0 | 9.5  |      |      | 0.5 |      |      | 8.0  |
| 11-12 |      | 8.5  | 0.5  |      | 5.0  | 5.0  |      | 7.5  |      |      | 8.0  | 2.5  |     |      | 4.0  | 6.5  |
| 12-13 | 0.0  |      |      | 12.5 | 6.5  | 6.0  | 8.0  | 7.0  | 11.5 | 8.0  | 10.0 | 13.0 | 4.5 |      |      | 5.0  |
| 13-14 |      |      |      |      | 8.5  | 7.0  |      | 6.5  | 9.0  |      |      |      | 6.5 |      | 3.0  | 3.5  |
| 14-15 |      |      |      |      | 10.5 | 8.5  |      | 6.0  | 6.5  |      | 10.5 | 8.5  | 8.5 |      |      | 1.5  |
| 15-16 |      | 2.5  |      |      | 12.0 | 9.5  | 8.5  | 5.5  | 4.5  | 11.5 |      |      | 2.0 |      | 2.0  | 0.0  |
| 16-17 |      | 1.0  |      |      |      | 10.5 |      | 5.0  | 13.0 |      | 11.0 |      | 4.0 |      | 6.0  | 10.0 |
| 17-18 | 0.0  | 11.0 | 12.5 |      |      | 12.0 |      | 4.5  | 10.5 | 8.5  |      | 8.5  | 6.0 |      | 0.5  | 8.5  |
| 18-19 |      | 9.5  |      |      | 4.5  | 13.0 | 9.0  |      | 8.5  |      | 11.5 |      | 8.0 |      | 4.5  | 7.0  |
| 19-20 |      | 8.0  |      |      | 6.5  |      |      | 6.0  |      |      |      | 4.0  | 1.5 |      |      | 5.5  |
| 20-21 |      |      | 11.5 |      | 8.0  |      |      | 4.0  | 11.5 | 12.0 | 9.0  | 3.5  |     |      | 3.5  | 4.0  |
| 21-22 |      |      |      | 10.5 | 10.0 |      | 9.5  |      | 12.5 |      |      |      | 5.5 |      |      | 2.0  |
| 22-23 | 11.5 |      |      |      | 11.5 | 5.0  |      |      | 10.0 | 8.5  | 12.5 | 4.5  | 7.5 |      | 2.5  | 0.5  |
| 23-24 |      | 2.5  |      |      |      | 6.0  |      | 13.0 | 8.0  |      |      | 9.5  | 1.0 |      |      | 10.5 |
| 24-25 |      | 1.0  | 0.5  |      |      | 7.5  | 10.0 | 12.5 | 5.5  |      | 12.5 |      | 3.0 |      | 1.0  | 9.0  |
| 25-26 |      | 10.5 |      | 11.0 |      | 8.5  |      | 12.0 |      | 12.0 |      | 5.0  | 5.0 | 12.0 | 5.5  | 7.5  |
| 26-27 |      | 9.0  |      |      | 6.0  | 9.5  |      | 11.5 | 12.0 |      |      | 9.5  | 7.0 | 0.0  | 0.0  | 6.0  |
| 27-28 | 11.5 | 8.0  |      |      | 7.5  | 10.5 | 10.0 | 11.0 | 9.5  | 9.0  |      |      | 0.5 | 0.5  | 4.0  | 4.5  |
| 28-29 |      |      |      |      | 9.5  | 12.0 | 4.5  | 10.5 | 7.5  |      |      | 5.0  | 2.5 | 1.0  |      | 2.5  |
| 29-30 |      |      |      | 11.5 | 11.5 |      |      | 10.0 | 5.0  |      |      | 10.0 | 4.5 | 1.5  | 3.0  | 1.0  |
| 30-31 |      |      | 13.0 |      |      |      | 10.5 | 9.5  |      | 12.0 |      |      | 6.5 | 2.5  |      | 11.0 |