



BAV Circular

Heft 2 - 2017

Ephemeriden

Unterlagen für die Planung der Veränderlichenbeobachtungen, Informationen zu allen BAV-Programmen und Empfehlungen zur Beobachtung

Julianisches Datum 2017

| | Jan | Feb | Mrz | Apl | Mai | Jun | Jul | Aug | Spt | Okt | Nov | Dez |
|------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|
| 2457 000 + | 754 | 785 | 813 | 844 | 874 | 905 | 935 | 966 | 997 | 1027 | 1058 | 1088 |

jeweils für den Nullten des Monats um 12 Uhr Weltzeit

Umwandlung von Julianischen Tagesbruchteilen in MEZ

| JD | .00d | .10d | .20d | .30d | .40d | .50d | .60d | .70d | .80d | .90d |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| .00d | 13 00 | 15 24 | 17 48 | 20 12 | 22 36 | 01 00 | 03 24 | 05 48 | 08 12 | 10 36 |
| .01 | 13 14 | 15 38 | 18 02 | 20 26 | 22 50 | 01 14 | 03 38 | 06 02 | 08 26 | 10 50 |
| .02 | 13 29 | 15 53 | 18 17 | 20 41 | 23 05 | 01 29 | 03 53 | 06 17 | 08 41 | 11 05 |
| .03 | 13 43 | 16 07 | 18 31 | 20 55 | 23 19 | 01 43 | 04 07 | 06 31 | 08 55 | 11 19 |
| .04 | 13 58 | 16 22 | 18 46 | 21 10 | 23 34 | 01 58 | 04 22 | 06 46 | 09 10 | 11 34 |
| .05 | 14 12 | 16 36 | 19 00 | 21 24 | 23 48 | 02 12 | 04 36 | 07 00 | 09 24 | 11 48 |
| .06 | 14 26 | 16 50 | 19 14 | 21 38 | 00 02 | 02 26 | 04 50 | 07 14 | 09 38 | 12 02 |
| .07 | 14 41 | 17 05 | 19 29 | 21 53 | 00 17 | 02 41 | 05 05 | 07 29 | 09 53 | 12 17 |
| .08 | 14 55 | 17 19 | 19 43 | 22 07 | 00 31 | 02 55 | 05 19 | 07 43 | 10 07 | 12 31 |
| .09 | 15 10 | 17 34 | 19 58 | 22 22 | 00 46 | 03 10 | 05 34 | 07 58 | 10 22 | 12 46 |

Alle Vorhersagen (Ephemeriden) in Heft 2 sind in MEZ angegeben.

Während der Sommerzeit muss daher bei den Ephemeriden eine Stunde hinzugerechnet werden, um zur dazugehörigen Uhrzeit zu gelangen.

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| 4 | Ephemeriden für die BAV-Programme | |
| | Bedeckungsveränderliche "Standardprogramm 2010" | S1 |
| | Bedeckungsveränderliche "Langperiodische 2010" | L1 |
| | Bedeckungsveränderliche "Erwünschte Beobachtungen" | |
| | Selten beobachtete Sterne | ES |
| | Die Elemente sind unbekannt oder fraglich | EU |
| | Der Stern hat eine exzentrische Bahn mit Apsidendrehung | EX |
| | Das (B-R)-Diagramm zeigt sehr viel Dynamik | ED |
| | RR-Lyrae-Sterne Standardprogramm | RR |
| | RR-Lyrae-Sterne Programm 1990 | 90 |
| 74 | Ephemeriden für das BAV-Programm Mirasterne | |

Veränderungen gegenüber dem Vorjahr

keine

Erläuterung der Ephemeriden-Tabelle

Ephemeriden für Bedeckungsveränderliche und RR-Lyrae-Sterne (ab Seite 4)

Die Tabelle ist nach Monaten gegliedert. In den Zeilen sind jeweils die Veränderlichen, in den Spalten die Tage des Monats dargestellt. Für Bedeckungsveränderliche werden die Zeitpunkte der Minima und für RR-Lyrae-Sterne die Zeitpunkte der Maxima angegeben.

Nach dem Sternnamen wird der Kürzel für das BAV-Beobachtungsprogramm angegeben. Es folgt die Spalte "P" mit einer Beobachtungspriorität. Vorhersagen werden angegeben, wenn die Minima bzw. Maxima nach Sonnenuntergang bzw. vor Sonnenaufgang eintreten und der Veränderliche dann eine Höhe von mindestens 20 Grad über dem Horizont hat. Die Vorhersagen wurden für einen mittleren Ort in Deutschland (10 Grad östliche Länge, 50 Grad nördliche Breite) berechnet .

In den letzten Zeilen jeder Seite wird für jeden Tag das Julianische Datum angegeben.

Priorität

- 1 = Der Stern wurde noch nie innerhalb der BAV beobachtet
- 2 = Der Stern wurde seit über 2000 Tagen (rund 6 Jahre) nicht mehr innerhalb der BAV beobachtet
- 3 = Der Stern wurde seit über 1000 Tagen (rund 3 Jahre) nicht mehr innerhalb der BAV beobachtet

Tagesbruchteile

In der Spalte des Tages sind Julianische Tagesbruchteile (TB) eingetragen, die zum Teil (bei einem Tagesbruchteil größer 46) für den folgenden bürgerlichen Tag gelten. Damit aber alle Erscheinungen einer Nacht in einer Spalte stehen, wird so getan, als ob um Mitternacht kein bürgerlicher Datumswechsel stattfindet. Eine Tabelle zur Umrechnung der Tagesbruchteile in MEZ befindet sich auf der Titelseite.

Impressum

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Erläuterung der Ephemeriden-Tabelle

zu Ephemeriden für Bedeckungsveränderliche und RR-Lyrae-Sterne (ab Seite 4)

Zusätzliche Kennzeichen

- +** Sind aufgrund der Kürze der Periode mehrere Erscheinungen pro Nacht sichtbar, wurde hinter die Vorhersage ein " + " gesetzt.
- s** Ein Nebenminimum wird durch "s" hinter dem Tagesbruchteil markiert.
- \ /** Bei Bedeckungsveränderlichen vom Typ Algol, bei denen die Bedeckung länger als 36 Stunden dauert, werden neben dem Zeitpunkt des Minimums weitere Angaben gemacht:
Der Beginn des Abstiegs wird zeitlich angegeben, gekennzeichnet durch ein "\" hinter dem Tagesbruchteil. Während des weiteren Abstiegs wird das Zeichen "/" weiterhin angegeben.
Beim Anstieg wird entsprechend mit dem Kennzeichen "/" verfahren.
- \ /** Bei Beta-Lyrae-Sternen mit einer Periode länger als 16 Tage, wird nach der Hälfte des Abstiegs zusätzlich während des gesamten weiteren Abstiegs das Zeichen "\/" angegeben.
Beim Anstieg wird entsprechend mit dem Kennzeichen "/" verfahren.

Beispiel an Hand eines Ausschnitt aus der Tabelle vom Januar

| 2010 | Jan | 1 | 2 | 3 | 4 | 5 | 15 | 16 | 17 | 18 | 19 |
|------|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Ari | X RR | | 30 | | 25 | | 32 | | 27 | | 23 |
| Ari | RS L10 | | | | 20 | | | | | | |
| Ari | AL E10 | | | | 34 | | | | | | |
| Aur | TZ 90 | 20+ | 38+ | 55 | 34+ | 51 | 30+ | 48 | 26+ | 44 | 22+ |
| Aur | CQ L10 | | | | 6 | | | | | | 00s |
| Aur | IY E10 | | | | 50 | | | | 47 | | |
| Boo | TW 90 | 57 | 63 | 70 | 76 | | 57+ | 47 | 53 | 60 | 45+ |
| Boo | AC E10 | 65 | 53+ | 59+ | 64s | 52+ | 75 | 45+ | 51+ | 57+ | |
| Cam | SS E10 | 28 | | 70s | | | 23+ | | | 16s | 38+ |
| Cnc | RZ L10 | | | | | | 72\ | \ | 34 | 97/ | |

Beispiele

Lösungen

| Spalte | Angabe | Datum | MEZ | Bemerkungen |
|--------|--------|-------|-------|---|
| 4 | 20 | 4.1. | 17:48 | Minimum von RS Ari |
| 17 | 26+ | 17.1. | 19:14 | Maximum von TZ Aur, weitere sind in der Nacht sichtbar (+) |
| 3 | 50 | 3.1. | 01:00 | Minimum von IY Aur in der Nacht vom 3. / 4.1. |
| 4 | 64s | 4.1. | 04:22 | Nebenminimum (s) von AC Boo in der Nacht vom 4. / 5.1. |
| 15 | 72\ | 15.1. | 06:17 | Die Bedeckung dauert 77,9 Stunden (D = 77,9h). Der Abstieg beginnt am 15.1. um 6:17, am 16.1. dauert der Abstieg an, das Minimum ist am 17.1. um 21:10, der Anstieg endet am 18.1. um 10:50. |
| 16 | \ | | | |
| 17 | 34 | 17.1. | 21:10 | |
| 18 | 97/ | 18.1. | 10:50 | |

Ephemeriden für Mirasterne (auf den letzten beiden Seiten)

- Kopfzeilen** Unter der Abkürzung des Monatsnamens geben die Zahlen " 123 " die Dekaden des Monats an.
- M** Ein Maximum wird vorhergesagt
- m** Ein Minimum wird vorhergesagt

| 2017 | Jan | P | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | |
|------|-------|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| And | SW | RR | 25 | | | 35 | 24 | | 45 | 33 | 22 | | 43 | 31 | 20 | | 41 | 29 | | | 39 | 27 | | | 37 | 25 | | | 35 | 23 | | | 33 | |
| And | SY | L1 | 1 | | | | | | | | | | 69\ | 74 | 78/ | | | | | | | | | | | | | | | | | | | |
| And | TW | S1 | | 30s | | 36 | | 42s | | | | | | | | | | | | | | | | | | | | | | | | | | |
| And | XX | 90 | | 27 | | 44 | | | 33 | | 50 | 22 | | 39 | | | 28 | 45 | | | | 34 | | | 23 | | 40 | | | 29 | | | | |
| And | CD | L1 | 2 | 97\ | \ | \ | 3 | / | 10/ | | | | | | | | | | | | | | | | | | | | | | | | | |
| And | OV | 90 | | | 45 | 39 | 33 | 27 | 22 | | | | 45 | 39 | 33 | 27 | 22 | | | | 45 | 39 | 33 | 27 | 22 | | | | 39 | 33 | 27 | | 22 | |
| Aqr | SW | RR | 3 | 21 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Aqr | SX | 90 | | | | | 22 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Aqr | CD | ES | | 36 | | | | 20 | | | | | 4 | | | | | | | | | | | | | | | | | | | | | |
| Aqr | HH | 90 | 2 | 19 | | | 22 | | | | 24 | | | | | | | | | | | | | | | | | | | | | | | |
| Aqr | LL | L1 | 3 | | | | | | 9 | | | | | | | | | | 18s | | | | | | | | | | | | | | | |
| Aql | V889 | L1 | | | | | 25 | | | | 20s | | | | | | | 38 | | | | | | | | | | 50 | | | | | 44s | |
| Aql | V1353 | ES | | | | | 79s | | | | | | | | | | | | | | | | | 76s | | | | 72 | | | | | | |
| Aql | V1426 | ES | | | | | | 53s | 11+ | 29+ | 47 | 5+ | 23+ | 40+ | 58s | 17+ | 34+ | 52 | 10+ | 28+ | 45s | 4+ | 22+ | 39+ | 57 | 15+ | 33+ | 50s | 9+ | 27+ | 44 | 3+ | 21+ | |
| Ari | X | RR | 3 | 44 | | 39 | | 34 | | 30 | 25 | | 20 | | | 46 | | 41 | | 37 | | | 32 | | 27 | | 23 | | | | 44 | | | |
| Ari | RS | L1 | 2 | | | | | | 90 | | | | | | | | | | 70 | | | | | | | | | 50 | | | | | | |
| Ari | AL | ES | | | | | | | | | | | | 32 | | | | | | | | | | | | | | | | 31 | | | | |
| Aur | TZ | 90 | 3 | 45 | 23+ | 41 | 19+ | 36+ | 54 | 32+ | 50 | 28+ | 46 | 24+ | 41 | 20+ | 37 | 55 | 33+ | 51 | 29+ | 47 | 25+ | 42 | 21+ | 38 | 56 | 34 | 52 | 30+ | 47 | 26+ | 43 | 22+ |
| Aur | CQ | L1 | 3 | | | | | | 39 | | | | | | 70s | | | | | | 1 | | | | | 32s | | | | 63 | | | | |
| Aur | IY | ES | | 44 | | | 23 | | | | | | | | | | | | | | | 20 | | | | | | | 58 | | | | 37 | |
| Aur | V432 | ES | | 48 | | | 56 | | | 64 | | | | | 27s | | | | 35s | | | 43s | | | 51s | | | | | | | 22 | | |
| Boo | RS | RR | | 70 | | 59 | 72 | | 61 | 74 | | 63 | 76 | 51 | 65 | 78 | 53 | 67 | | 55 | 68 | | 57 | 70 | | 59 | 72 | 48 | 61 | 74 | 49 | 63 | 76 | 51 |
| Boo | TW | 90 | | 59 | 66 | 72 | 79 | | | | 51 | 58 | 64 | 71 | 77 | | | | 50 | 56 | 63 | 69 | 75 | | | 48 | 54 | 61 | 67 | 74 | | | | |
| Boo | UU | 90 | | 55 | | | 75 | 66 | 57 | | | 77 | 69 | 60 | | | 71 | | 63 | 54 | | | 74 | 65 | 57 | | 77 | 68 | 59 | 51 | | | 71 | |
| Boo | UY | 90 | | | | 78 | | | 73 | | 69 | 64 | | | 59 | | 54 | | | | | 75 | | | | | 61 | | 56 | | | 52 | | |
| Boo | AC | ED | | 50+ | 56+ | 61+ | 49+ | 55+ | 61+ | 49+ | 55+ | 61+ | 49+ | 54+ | 60+ | 48+ | 54+ | 60+ | 48+ | 54+ | 59+ | 47+ | 53+ | 59+ | 47+ | 53+ | 58+ | 47+ | 52+ | 58+ | 46+ | 52+ | 58+ | 46+ |
| Boo | CM | 90 | | 77 | | 60 | | | 65 | | | 69 | | | 74 | | 78 | | | 61 | | | 66 | | | 70 | | 75 | | 57 | | | | 62 |
| Boo | CQ | 90 | | 71 | | 68 | | 65 | 78 | 63 | 75 | 60 | 73 | 57 | 70 | | 67 | | 65 | 78 | 62 | 75 | 59 | 72 | 57 | 69 | 54 | 67 | | 64 | 77 | 61 | 74 | 59 |
| Boo | CS | 90 | | | | 59 | 70 | | | | | 57 | 68 | 78 | | | 66 | | 76 | | | 53 | 64 | 75 | | 51 | 62 | 73 | | | 49 | 60 | 71 | |
| Cam | SS | ES | | 81s | | | 23 | | | 64s | | 5 | | | 46s | | 87 | | | 28s | | 69 | | | 11s | | 52 | 93s | | | 34 | | 75s | |
| Cam | SV | S1 | | 32+ | 21+ | 40+ | 29+ | 47+ | 36+ | 25+ | 44+ | 33+ | 22+ | 40+ | 29+ | 48+ | 37+ | 26+ | 44+ | 33+ | 22+ | 41+ | 30+ | 49+ | 37+ | 26+ | 45+ | 34+ | 23+ | 42+ | 31+ | 49s | 38+ | 27+ |
| Cam | AK | ES | 3 | 47 | 59s | 70 | | | | | | 27s | 38 | 49s | 61 | 72s | | | | | | 29 | 40s | 51 | 63s | 74 | | | | | 31s | 42 | 54s | |
| Cam | AN | | | | | | | | | | | | | | | | 45s | | | | | | 11 | | | | | | | | | | | |
| Cam | AT | ES | | 45 | | 54s | 24 | 63 | 33s | 73s | 43 | | 52s | 22 | 61 | 31s | 71s | 40 | | 50s | 20 | 59 | 29s | 69s | 38 | 78 | 48s | 57 | 27s | 67s | 36 | 76 | 46s | |
| Cnc | S | L1 | 3 | 7 | | | | | | | | | | 56 | | | | | | | | | | | | | | | | | | | 53 | |
| Cnc | RU | L1 | 2 | | | 52 | | | | | | | | | 70 | | | | | | | | | | | 87 | | | | | | | | |
| Cnc | RW | 90 | | 38 | 47 | 57 | 66 | 76 | 31 | 40 | 49 | 59 | 68 | 78 | 32 | 42 | 51 | 61 | 70 | | | 34 | 44 | 53 | 63 | 72 | 27 | 36 | 46 | 55 | 65 | 74 | 29 | 38 |
| Cnc | RZ | L1 | 2 | | | | | | | | | | | 61\ | \ | 23 | 85/ | | | | | | | | | 43\ | \ | 5s | 67/ | | | | | |
| Cnc | TT | 90 | | 69 | | 38 | 50 | 63 | | 45 | 58 | 70 | | 39 | 52 | 65 | | 34 | 46 | 59 | | | | 41 | 54 | 66 | | 35 | 48 | 61 | | 30 | 42 | 55 |
| JD | 577 | .. | | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 |

| 2017 | Jan | P | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | |
|------|------|----|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Cnc | TU | ES | 3 | 21 | | | | 77 | | | | | 33 | | | | | 89 | | | | | 45 | | | | | | | | | 1 | | |
| Cnc | UU | L1 | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cnc | AQ | 90 | | 38 | 47 | 57 | 67 | 76 | 41 | 51 | 60 | 70 | 35 | 44 | 54 | 64 | 73 | | 38 | 48 | 57 | 67 | | 32 | 41 | 51 | 61 | 70 | | | 35 | 45 | 54 | |
| CVn | W | 90 | | | 58 | 68 | 79 | | 55 | 65 | 75 | | 51 | 61 | 72 | | | 48 | 58 | 68 | | | 44 | 55 | 65 | 75 | | | | 51 | 62 | 72 | | |
| CVn | Z | 90 | | 63 | | 59 | | 55 | 52 | | 48 | 79 | 44 | 75 | 40 | 71 | | 67 | | 63 | | 60 | | 56 | | 52 | | 48 | | 44 | 75 | 40 | 71 | |
| CVn | RS | S1 | | | | | 69 | | | | 49 | | | | | | | 69s | | | | | 48s | | | | | | | 68 | | | | |
| CVn | RZ | 90 | | | | 57 | 71 | | 54 | 68 | | | 51 | 65 | 78 | | 49 | 62 | 76 | | 46 | 59 | 73 | | | 56 | 70 | | | 54 | 67 | | | |
| CMa | R | S1 | 3 | 49s | | | | 46 | | | | 44s | | | 42 | | | | 39s | | | | 50 | | | | | | 48s | | | 46 | | |
| CMi | AM | ES | | | | | | | | | | | | | | | | | | | | | | 30 | 32 | 33 | | 35 | 37 | 39 | 41 | 43 | 45 | |
| Cas | RX | L1 | 2 | \ | \ | 16 | / | / | / | / | | | | | | | | \ | \ | \ | 33s | / | / | / | / | | | | | | | | \ | |
| Cas | RZ | S1 | | | 29 | 49 | 68 | | | | 27 | 46 | 66 | | | 24 | | 44 | 64 | | | | 22 | 42 | 61 | | | | 39 | 59 | | | | |
| Cas | SX | L1 | 2 | | | | | | | | | | 72\ | \ | 55 | / | 38/ | | | | | | | | | | | | | | | | | |
| Cas | TV | S1 | | | 43 | | 24 | | | | | | 49 | | 30 | | | | | 74 | | 55 | | 37 | | | | | | | | | 43 | |
| Cas | TW | S1 | | 67 | | | 53 | | | 38 | | 24 | 67 | | | 52 | | | 38 | | | 24 | 67 | | | 52 | | 38 | | | 24 | | 66 | |
| Cas | TX | ES | | | 45 | | | 38 | | 31 | 77s | | 23 | 70s | | | | 62s | | | 55s | | 48s | | | 40s | | | 33s | | | 26s | | |
| Cas | AQ | L1 | 3 | | | | | 42\ | 47 | 53/ | | | 28\ | 33s | 39/ | | | | | | | 14\ | 19 | 25/ | | | | 00\ | \ | 5s | 11/ | | | |
| Cas | DN | ES | | | | 20s | 35 | 51s | 66 | | | | 29 | 44s | 60 | 75s | | | | | | 22 | 37s | 53 | 69s | | | 31s | 46 | 62s | 77 | | | |
| Cas | GG | ES | | | | 59 | | | 35 | | | | | | | | | | | | | | | 38 | | | | | | | | | | |
| Cas | GU | EU | | 44 | | | 53 | | | | | | | | | | | | | | | | | | | | | | | | 28 | | | |
| Cas | IL | ES | | 27 | | | 72 | | | | | | 63 | | | | | | | 53 | | | | | | 43 | | | | | | | | |
| Cas | IT | EX | | | 39 | | | | 28 | | 43s | | | | 33s | | | | | 22s | | | | | | | | 77 | | | | | | |
| Cas | OX | EX | | 33s | 62 | | | 31s | 59 | | | | 29s | 57 | 77s | | | 26s | 55 | 75s | | | 24s | 53 | 73s | | 22s | 51 | 71s | | | | | |
| Cas | PV | EX | | 74s | 57 | 49s | 32 | 24s | | 74s | 57 | 49s | 33 | 24s | | 74s | | | 49s | 33 | 24s | | | 74s | 50s | 33 | 25s | | 75s | | | 50s | | |
| Cas | V368 | ES | | | | 47 | 69s | | | | | | 37 | 60s | | | | | | | | 28 | | 50s | 73 | | | | | | | | | |
| Cas | V375 | ED | | 47 | 21s | 68s | 42 | 63s | 37 | | 58s | 31 | 79 | 52s | 26 | 73 | 47s | 21 | 68 | 42s | | 63 | 36s | | 57 | 31s | 52 | 26s | 73s | 47 | | 68s | | |
| Cas | V381 | EX | | 19s | | | | 43s | 35 | | | | | 41s | 33 | | | | | | | 40s | | | | | | 38s | 30 | | | | | |
| Cas | V459 | L1 | | | | | 4 | | | | 21s | | | | 50 | | | | 67s | | | | 96 | | | | 13s | | | | 42 | | | |
| Cep | RZ | 90 | | 33+ | 26+ | 49 | 42+ | 34+ | 27+ | 19+ | 43+ | 35+ | 28+ | 21+ | 44+ | 37+ | 29+ | 22+ | 45+ | 38+ | 30+ | 23+ | 46+ | 39+ | 32+ | 24+ | 48 | 40+ | 33+ | 25+ | 49 | 41+ | 34+ | 27+ |
| Cep | VW | S1 | | 21+ | 32+ | 29+ | 27+ | 24+ | 21+ | 19+ | 30+ | 28+ | 25+ | 22+ | 20+ | 31+ | 29+ | 26+ | 23+ | 21+ | 32+ | 30+ | 27+ | 24+ | 22+ | 33+ | 30+ | 25+ | 23+ | 34+ | 31+ | 29+ | 26+ | |
| Cep | XX | S1 | | | | | 22 | 56 | | | | | 23 | | 57 | | | | | | | 25 | | 58 | | | 26 | | 59 | | | | | |
| Cep | XY | ES | | 45 | | | 23 | | | | 78 | | | 55 | | | 33 | | | | | | | | 65 | | | 42 | | | | | | |
| Cep | ZZ | S1 | | | | 28 | | 43 | | 57 | | 71 | | | | | | | | 28 | | | 42 | | 56 | | 70 | | | | | | | |
| Cep | AI | ES | | | 39s | | | | | | 73 | | | | | | | | | | | 30s | | 41 | | | 63 | | 75s | | | | | |
| Cep | CW | EX | | | 45s | | | 62 | | | 35 | 63s | | | 36s | | | | 53 | | | 26 | 55s | | 28s | 72 | | | 45 | 74s | | | | |
| Cep | EI | L1 | | | | | 49 | | | | 71s | | | 93 | | | | | 15s | | | | 37 | | | 59s | | | | 81 | | | | |
| Cep | EX | L1 | 2 | | | | | | | | 55 | | | | | | | | | | | | | 98 | | | | | | | | | | |
| Cep | NN | ES | | 68s | 71 | 74s | 77 | | | | | | | | | | | | | | | 21s | 24 | 27s | 30 | 33s | 35 | 38s | 41 | 44s | 47 | 50s | 53 | |
| Cet | RR | RR | 2 | 22 | 33 | | | 20 | 30 | | | | | 28 | | | | | 26 | 37 | | | | 24 | 34 | | | 21 | 32 | | | | | |
| Cet | RV | 90 | 2 | 22 | | | 33 | 20 | | | 32 | | 19 | | | 31 | | | | | | 30 | | | | 28 | | | | | 27 | | | |
| JD | 577 | .. | | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 |

| 2017 | Jan | P | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | | |
|------|-------|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|
| Cet | TU | ES | 2 | | | 38 | | | 77 | | | | | 17 | | | | 56 | | | | 95 | | | | 34 | | | | | | | | | |
| Cet | TV | L1 | | | 41s | | | | | 2 | | | | 51s | | | | | 13 | | | | 62s | | | | | 23 | | | | 72s | | | |
| Cet | XY | ES | 2 | | 30 | | | | 47s | | | 25s | | | 42 | | | | 20 | | | | 37s | | | | | | | 32 | | | | | |
| Com | S | 90 | | 59 | 76 | | 52 | 69 | | 45 | 63 | | | 56 | 73 | | 49 | 67 | | 43 | 60 | 77 | | 53 | 70 | | 46 | 64 | | 40 | 57 | 74 | | | |
| Com | ST | 90 | 68 | | | 67 | | | 67 | | | 66 | | | 66 | | | 65 | | | 65 | | 64 | | 63 | | | | 63 | | | | 62 | | |
| CrB | U | S1 | | | | | | | | | 71 | | | | | | | 61 | | | | | | 52 | | | | | | | | | | | |
| CrB | RV | 90 | 73 | 72 | 72 | 71 | 71 | 70 | 70 | 69 | 69 | 68 | 68 | 67 | 67 | 66 | 66 | 65 | 65 | 64 | 63 | 63 | 62 | 62 | 61 | 61 | 60 | 60 | 59 | 59 | 58 | 58 | 57 | | |
| Crt | W | 90 | 2 | | 66 | | | | | 60 | | 66 | | | | 61 | | | 67 | | | | 61 | | | | | | 56 | | 62 | | | | |
| Cyg | UY | RR | | | | 19 | 31 | | | | 24 | | | | | 28 | | | | 21+ | | | | 26 | | | | | 74 | | | | | | |
| Cyg | XZ | RR | | | | 39 | 32+ | 25+ | 19+ | 59 | | | | 32 | 25+ | 65 | 59 | | | | | 32 | 25+ | | | | | 32 | 25+ | 65 | 58 | | | | |
| Cyg | BO | ES | | | | | | | 32s | 19 | | | | | 34s | 22 | | | | | | | 24 | | | 76 | | | | | 27 | | | | |
| Cyg | BR | ES | | 77 | | 77s | | 77 | | 77s | | 77 | | 77s | | 76 | | 76s | | 76 | | 76s | | 76 | | 76s | | 76 | | 76s | | 75 | | | |
| Cyg | DM | RR | | 24 | | | | | 28 | | | 22 | | | | 26 | | | 78 | 20 | | 30 | | | 24 | 75 | | | | 27 | | | | 21 | |
| Cyg | EM | K1 | 3 | | 19+ | | 23 | | | | | 75 | | 21 | | | | | 74 | | 77 | | | | 72 | | 75 | | | | | | 70 | | |
| Cyg | V367 | L1 | 2 | 34 | / | / | | | | | | 64s | / | / | | | | | | | 94 | / | / | / | / | | | | | | 24s | / | / | | |
| Cyg | V463 | ES | | 78 | | | | | | | | 19s | 25 | | | | | | | | | 72 | 78s | | | | | | | | | | | | |
| Cyg | V477 | | | | | | | 23s | | | | 22 | | | | | | | | | | | | | | | | | | | | | | | |
| Cyg | V541 | L1 | | | 72s | | | | | | | | 3 | | | | | | | | | 6s | | | | | | 37 | | | | | | | |
| Cyg | V548 | ES | 67 | | | 38s | 28 | | | | 79s | 70 | | | 31 | 21s | | | | | | 72 | 62s | | 33 | 23s | | | 75 | 65s | 55 | | | | |
| Cyg | V788 | L1 | | | | | | | | | | | | | | 9\ | 00/ | | | | | | | | | | | | | | | | | | |
| Cyg | V891 | ES | | | 77 | | | | | | | | | | | | 21 | | | | | | | | 74 | | | | | | | | | | |
| Cyg | V909 | ES | | | | | | | | | | | | | | | | | | | | | | | | | | | 70 | | | | | | |
| Cyg | V1061 | ES | | | | 20 | | | | | | | 24 | | | | | | | 28 | | | | | | 32 | | | 67 | | | | | | |
| Cyg | V1918 | ED | 3 | 26+ | 29+ | 32+ | 35+ | 21+ | 25+ | 28+ | 31+ | 76s | 79 | 20+ | 24+ | 27+ | 30+ | 75 | 78s | 20+ | 23+ | 26+ | 29+ | 74s | 77 | 60 | 22+ | 25+ | 29+ | 73 | 56+ | 59s | 21+ | | |
| Del | DX | 90 | | | | | | 23 | | | | | | | | 21 | | | | | | | | | | | | | | | | | | | |
| Dra | RW | RR | | 55 | | 77 | 21+ | 54 | | 75 | 20+ | 53 | | 74 | 63 | 51 | | 73 | 61 | 50 | | 71 | 60 | | 49 | | 70 | 59 | 47 | | 69 | 57 | 46 | | 67 |
| Dra | SU | RR | | 75 | 41 | 73 | 39 | 71 | 37 | 70 | 36 | 68 | 34 | 66 | 32 | 64 | 30 | 62 | 28 | 60 | 26 | 58 | 24 | 56 | 22 | 55 | 21 | 53 | | 51 | | 49 | | 47 | |
| Dra | SW | RR | | 32 | 46 | 60 | 74 | 31 | 45 | 59 | 72 | 29 | 43 | 57 | 71 | 28 | 42 | 56 | 70 | 27 | 41 | 55 | 69 | 26 | 40 | 54 | 68 | 25 | 38 | 52 | 66 | 23 | 37 | 51 | |
| Dra | TZ | ED | | 27+ | | | 74s | | | 77 | 20+ | | | 23+ | | 70 | | | | 73s | 60s | | 76 | | | 22+ | | 63 | | 69 | 55 | | 72s | 59s | |
| Dra | VZ | 90 | | 74 | 70 | 67 | 63 | 27+ | 23+ | 20+ | 48 | 44+ | 73 | 69 | 65 | 62 | 26+ | 22+ | 51 | 47 | 43+ | 40+ | 68 | 64 | 61 | 25+ | 21+ | 50 | 46 | 42+ | 38+ | 67 | 63 | 59 | |
| Dra | WW | S1 | 3 | | | | | | 73 | | | | | | 36 | | | | | | | | 62 | | | | | 25 | | | | | | | |
| Dra | XZ | RR | | 44 | 40 | 35 | 30+ | 25+ | 21+ | 64 | 59 | 54 | 50 | 45 | 40 | 35 | 31+ | 26+ | 21+ | 64 | 60 | 55 | 50 | 45 | 41 | 36 | 31 | 27+ | 22+ | 65 | 60 | 55 | 51 | 46 | |
| Dra | AI | S1 | | | 55 | 75 | | | | | 55 | 75 | | | | 54 | 74 | | | | | | 54 | | 74 | | | 53 | 73 | | | | | | |
| Dra | BF | | | | | 69 | | | | | | | | | | | 90 | | | | | | 31s | | | | | | | 11 | | | | | |
| Dra | BK | 90 | | 47 | 65 | 24 | 43 | 61 | 20 | 39 | 57 | 76 | 35 | 53 | 72 | 31 | 49 | 68 | 27 | 45 | 64 | 23 | 41 | 60 | 78 | 37 | 56 | 74 | 34 | 52 | 70 | 30 | 48 | 66 | |
| Dra | BU | ES | | | | | 75 | | | 66s | | 57 | | 49s | | 40 | | | | | | | | | | | | | | | 72 | | 63s | | |
| Dra | DD | 90 | | 36+ | 34+ | 32+ | 30+ | 28+ | 26+ | 24+ | 22+ | 20+ | 51 | 49 | 47 | 45+ | 43+ | 41+ | 39+ | 37+ | 35+ | 34+ | 32+ | 30+ | 28+ | 26+ | 24+ | 22+ | 52 | 50 | 49 | 47 | 45+ | 43+ | |
| Dra | EX | K1 | | 36+ | 20+ | 25+ | 30+ | 35+ | 19+ | 24+ | 29+ | 34+ | 39+ | 23+ | 28+ | 33+ | 38+ | 22+ | 27+ | 32+ | 37+ | 21+ | 26+ | 31+ | 36+ | 20+ | 25+ | 30+ | 35+ | 39+ | 23+ | 28+ | 33+ | 38+ | |
| Dra | GV | L1 | 3 | | | | | | | | | | | | | | | | | | | 54 | | | | | | | | | | | | | |
| JD | 577 | .. | | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | |

| 2017 | Jan | P | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | |
|------|------|----|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Eri | SV | 90 | 2 | | | 24 | 38 | | | 23 | | 37 | | | 23 | | 37 | | | 23 | | 37 | | | 22 | | | | 22 | | | | | |
| Gem | U | K1 | 3 | 36+ | 43+ | 31+ | 37+ | 43+ | 32+ | 38+ | 44+ | 32+ | 39+ | 27+ | 33+ | 39+ | 28+ | 34+ | 40+ | 29+ | 35+ | 41+ | 29+ | 35+ | 24+ | 30+ | 36+ | 25+ | 31+ | 37+ | 25+ | 32+ | 38+ | 26+ |
| Gem | RR | 90 | 3 | 23+ | 43 | 62 | 41 | 60 | 40 | 59 | 39 | 58 | 37 | 56 | 36 | 55 | 34 | 54 | 33 | 52 | 32 | 51 | 30+ | 50 | 29+ | 48 | 28+ | 47 | 26+ | 46 | 25+ | 44 | 24+ | 43 |
| Gem | RY | L1 | 3 | | 92 | | | | | 57s | | | | | 22 | | | | 87s | | | | | 52 | | | | 17s | | | | 82 | | |
| Gem | SV | ES | 1 | | | | 23 | | | | 23 | | | | 24 | | | | 25 | | | | | | | 26 | | | | 27 | | | | |
| Gem | SZ | 90 | 3 | | | | | | | 28 | 28 | 28 | 28 | 28 | 29 | 29 | 29 | 29 | 30 | 30 | 30 | 30 | 30 | 31 | 31 | 31 | 31 | 32 | 32 | 32 | 32 | 33 | 33 | |
| Gem | WW | ES | | 21 | 45 | | 30s | 54s | | 40 | 64 | 26s | 49s | | 35 | 59 | 21s | 44s | | 30 | 54 | | 40s | | 25 | 49 | | 35s | 59s | | 44 | | 30s | 54s |
| Gem | YY | S1 | | 43s | 25+ | 47 | 28+ | 50s | 32+ | 54 | 35 | 58s | 39s | 61 | 43 | 24+ | 46s | 28+ | 50 | 31+ | 53s | 35s | 57 | 38 | 20+ | 42s | 23+ | 45 | 27+ | 49s | 30s | 53 | 34 | 56s |
| Gem | V339 | EU | 2 | | | | | | | 64 | | | | 52 | | 41 | | | 29 | | | | | | | | | | | | | | | |
| Her | TW | RR | | 78 | | 78 | | 78 | | 78 | | 78 | | 77 | | 77 | | 77 | | 77 | | 77 | | 76 | | 76 | | 76 | | 76 | | 76 | | 75 |
| Her | TX | S1 | | 68 | 71s | 74 | 77s | | | | | | | | | | | | | | | | | | | | | | | | | | | 55s |
| Her | UX | ED | | | | | | | 72s | | | | | | 69 | | | | | | | | | | | 76s | | | | | | | 73 | |
| Her | VX | RR | | | 75 | 67 | | | | 76 | 67 | | | | 77 | 68 | | | | 78 | 69 | | | | | 70 | 61 | | | 71 | 62 | | | |
| Her | VZ | 90 | | 19+ | | | 71 | | | | 68 | | | 76 | 64 | | 72 | | 60 | | | 68 | | | 77 | 65 | | | 73 | 61 | | | 69 | 57 |
| Her | AK | S1 | | | | 71s | 77 | | | 72 | 77s | | 67 | 72s | 77 | | 67s | 73 | 78s | | 68 | 73s | 78 | | 68s | 73 | | 63s | 69 | 74s | | 64 | 69s | 74 |
| Her | AR | 90 | | 75 | 69 | 63 | 57 | | | | 74 | 68 | | 62 | 55 | 49 | | | 78 | 72 | 66 | 60 | 54 | | | | 77 | 71 | | 65 | 59 | 53 | 47 | |
| Her | AW | L1 | | | | | | | | | 14 | | | | | | | | | 94 | | | | | | | | 74 | | | | | | |
| Her | DI | L1 | | | | | | | 77s | | 19 | | | | | | | | | 32s | | 74 | | | | | | | 87s | | | | 29 | |
| Her | GU | EU | | | | | | | | | | | | | 67 | | | | | | | | | | | | | 70 | | | | | | |
| Her | LV | | | | | | | | | | 41 | | | | | | | | | | | | | | | | | | 85 | | | | | |
| Hya | SZ | 90 | 2 | | | 47 | 54 | 62 | | | | 45 | | 53 | 60 | | | | | 43 | 51 | 58 | | | | | 42 | 49 | | | | | 57 | 40 |
| Hya | WZ | 90 | 2 | | | | 57 | 65 | | | | | | 56 | 64 | | | | | | 55 | 63 | | | | | 47 | 54 | | | | 62 | | 46 |
| Hya | AI | L1 | | | | | 57 | | | | 27s | | | | 86 | | | | 56s | | | | | 15 | | | 85s | | | | | 44 | | |
| Hya | ET | 90 | 2 | | | | | 45 | | 51 | | 56 | | 62 | | | | | 42 | | 47 | | 53 | | 59 | | | | 39 | | 44 | | | 50 |
| Lac | RW | L1 | | | | | 76 | | | | | 88s | | | | | | | 13 | | | | | 24s | | | | 50 | | | | | | 61s |
| Lac | SW | S1 | | 31s | 28s | 24+ | 20+ | 32 | 28 | 25+ | 21+ | 33s | 29s | 26s | 22+ | 34 | 30 | 27 | 23+ | 35s | 31s | 27s | 24s | 20+ | 32 | 28 | 25 | 21+ | 33s | 29s | 25s | 22s | 34 | 30 |
| Lac | UW | ES | | | 34 | | | | | 63 | | | | | 92 | | | | | | | 21 | | | | 50 | | | | 79 | | | | |
| Lac | CO | EX | | | | 47s | 26 | | | 35 | | | 43 | | 72s | 52 | 27s | | | 35s | | 69 | 44s | 23 | 77 | | 31 | | | | 40 | | 69s | 23s |
| Lac | CZ | 90 | | 38 | 24 | | 40 | 26 | | 42 | 29 | | 45 | 31+ | | | 34+ | 20 | | 36 | 23 | | 39 | 25 | | 41 | 28+ | | 30+ | | | 32+ | | |
| Lac | V345 | EX | | 95s | | | | | 79 | | | 44s | | | | | 29 | | 93s | | | | | 78 | | | 43s | | | | | 27 | | 92s |
| Leo | RR | RR | | 40 | 76 | 66 | 57 | 47 | 38 | 74 | 64 | 55 | 45 | 36 | 71 | 62 | 52 | 43 | 33+ | 69 | 59 | 50 | 40 | 76 | 67 | 57 | 48 | 38 | 74 | 64 | 55 | 45 | 36 | 71 |
| Leo | SS | RR | 3 | 57 | | | 71 | | 59 | | | 72 | | 60 | | | 73 | | 61 | | 49 | 74 | | 62 | | 50 | 75 | | 63 | | 51 | | | 64 |
| Leo | ST | RR | 2 | 54 | 49 | | | | 79 | 75 | 71 | 66 | 62 | 57 | 53 | 49 | 44 | | | | 74 | 70 | 66 | 61 | 57 | 52 | 48 | 44 | | | 74 | 69 | | 65 |
| Leo | WY | ES | | | | | | 60 | | | | | 59 | | | | 57 | | | | | | | | | | 55 | | | | | | 53 | |
| Leo | AG | ES | | | | 63 | | | | | 71s | | 41 | | | | 50s | | | | | | | | | | | 68s | | 37 | | | | |
| Leo | AM | S1 | | 57+ | 49+ | 58+ | 50+ | 60+ | 51+ | 61+ | 52+ | 44+ | 53+ | 45+ | 55+ | 46+ | 56+ | 47+ | 57+ | 48+ | 58+ | 50+ | 41+ | 51+ | 42+ | 52+ | 43+ | 53+ | 45+ | 54+ | 46+ | 56+ | 47+ | 38+ |
| Leo | FM | EU | 3 | | | | 60 | | | | | | | | | | 69s | | | | | | | | | | | | | | | | 51 | |
| Lyn | TY | ES | | | | | | | | | 42 | | | | 75 | | | | | | | | | 41 | | | 75 | | | | | | | |
| Lyn | CD | ES | | | | 37 | | 65s | | | | | 20s | | 47 | | 75s | | | | | | | 57 | | | | | | 39s | | | 67 | |
| JD | 577 | .. | | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 |

| 2017 | Jan | P | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | | |
|------|-------|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|
| Lyr | RR | RR | 73 | 29 | | | 69 | 26 | | | | 23+ | | | | | 20+ | | | 73 | | | | 70 | | | 67 | 23 | | | 64 | 77 | | | |
| Lyr | RZ | 90 | 79 | | | | | | | | | | | | | | | | | 66 | 68 | 71 | 73 | 75 | 77 | | | | | | | | | | |
| Lyr | UZ | S1 | | 25s | 19 | | | | | | | 76 | 70s | | | | | | | | | | | | | | | | 73s | 67 | | | | | |
| Lyr | CN | 90 | | 73 | | | 78 | 20 | | | | | 78 | | | | | 71 | | 77 | | | | | 71 | | 76 | | | 64 | 70 | | | | |
| Lyr | EZ | RR | | | 68 | 21+ | 78 | | | | | | | | | 66 | 71 | 76 | | | | | | 64 | 69 | 74 | | | | | | | | | |
| Lyr | IO | 90 | 3 | | 71 | | | 75 | | | | 79 | | | | 67 | | | 71 | | | | 75 | | 64 | | | 68 | | | | | | | |
| Lyr | beta | S1 | | | | | | | | | | 33 | | | | | | | 81s | | | | | 28 | | | | | 75s | | | | | | |
| Mon | UX | ES | 2 | 78 | | | 73s | | 68 | | | 64s | | | 59 | | | 59 | 54s | | 49 | | | 45s | | 40 | | 35s | | | | | 30 | | |
| Mon | VV | ES | 2 | | | 51s | | 54 | | | | 56s | | 59 | | | | | | 64 | | | 67s | | | 69 | | 72s | | | 74 | | | | |
| Mon | AQ | ES | 2 | 45 | | | | 54 | | | | 36s | | | | | | | | | | | | | | 36 | | | | 45 | | | | | |
| Mon | AR | L1 | 1 | | | | 00\ | 85 | 69/ | | | | | | | | | | 60\ | 45s | 30/ | | | | | | 21\ | 90/ | | | | | | | |
| Mon | AT | ES | 2 | | | | | | | | | | | | | | | | | | | | | 32 | | 35 | | 37 | | 40 | | | 43 | | |
| Mon | AV | ES | 2 | | 73 | | | 20s | | | | 68 | | | 15s | | | | 62 | | | | | | 57 | | 5s | | | | 52 | | | | |
| Mon | EZ | EU | 3 | 37s | 50 | | 38s | 51 | | 39s | 52 | | 40s | 53 | | 41s | 54 | | 42s | 55 | 30 | 43s | 56 | 31 | 44s | | 32 | 45s | | | 34 | | 47s | | |
| Mon | IL | ES | 2 | 53 | | | | 55 | | | | 58 | | | 61 | | | | 63 | | | | 66 | | | 68 | | | | 71 | | | | | |
| Mon | V448 | ES | | 47 | 59 | | | 39s | 50s | | | 30 | 42 | 54 | | | 33s | 45s | 57s | | | 37 | 49 | | | 28s | 40s | 52s | | | 32 | 43 | 55 | | |
| Mon | V530 | EU | 3 | 32+ | 37+ | 42 | 48 | 53 | 32+ | 37+ | 42s | 47s | 52s | 31+ | 36+ | 41 | 46 | 51 | 30+ | 35s | 40s | 45s | 50s | 29+ | 34 | 39 | 45 | 50 | 29+ | 34s | 39s | 44s | 49s | 28+ | |
| Mon | V536 | | | | | | | 65s | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mon | V634 | EU | | | 42 | | 53 | | | | | | | | | | | | | | | 33 | | 45 | | 56 | | | | | | | | | |
| Oph | U | ST | | | | | | | | | | | | | | | 73 | | | | | | | | | | | | | | | | | 66s | |
| Oph | ST | 90 | 2 | | | | | | | | | | | 77 | | | | | | | | | | | | 73 | | | | | | | | | |
| Ori | Z | ES | 2 | | | 8 | | | | | | | | | | | 49 | | | | | | | | 89 | | | | | | | 10 | | | |
| Ori | BM | ES | | 20 | | | | | 67 | | | | | | | | | | | | | | | | | | | 8 | | | | | | | |
| Ori | CP | ES | 2 | | | 16 | | | | | | | | | | | 80 | | | | | | | | | 44 | | | | | | 76 | | | |
| Ori | DN | L1 | 2 | | | | | | | 73 | | | | | | | | | | | | | | | | 70 | | | | | | | | | |
| Ori | EW | EX | | | | | | 24 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ori | FO | L1 | 2 | | | | | | | | | | 37 | | | | | | | | | | | | | | | | | | | | 17 | | |
| Ori | FT | EX | | | | | 21 | | 33s | 36 | | 48s | 51 | | 63s | | | | | | | | | | | | | 23s | 27 | | 38s | 42 | | | |
| Ori | GG | EX | | | | | | | | | | 46 | | | | | 30s | | | | | | | | | | | | | | | | | 35 | |
| Ori | V536 | ES | 2 | 28 | | | 45 | | | | | | | | | | | | | | | | | | 26 | | 43 | | | | | | | | |
| Ori | V1031 | ES | 2 | | | | 47 | | | | | | | | | | | | 39s | | | | | | | | | | | | 31 | | | | |
| Peg | U | S1 | | 24 | 36 | 30s | 24 | 36 | 30s | 23 | 36 | 30s | 23 | 36 | 29s | 23 | 36 | 29s | 23 | 35 | 29s | 23 | 35 | 29s | 23 | 29s | 22 | | 29s | 22 | | 28s | | 22 | |
| Peg | VV | RR | | 26 | 24 | 22 | 20 | | | | | | | | | | | | | | | | | | 27 | 24 | 22 | | | | | | | | |
| Peg | VW | | | | | | | | | | | | | | 61 | | | | | | | | | | | | | | | | | | | | |
| Peg | AV | RR | | | | 31 | | 26 | | | 21 | | | | | 29 | | 24 | | | | | | | | | 27 | | 22 | | | | | | 24 |
| Peg | AW | L1 | | | | | | | | | | 24 | | | | | 55s | | | | | | | | | | 17s | | | | | | | 48 | |
| Peg | BH | 90 | | 24 | | | | | | | 29 | | 21 | | | | | | | 26 | | | | | | | | | 23 | | | | | | |
| Peg | BK | ES | | | | 26s | | | | | | | | | | | | | | | | | | | | | | 22s | | | | | | | |
| Peg | CG | 90 | | | | | | 30 | 23 | | | | | | | | | | | | | | | | | | 25 | | | | | 25 | | | |
| JD | 577 | .. | | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | |

| 2017 | Jan | P | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | |
|------|-------|----|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Peg | DF | L1 | | | | 59 | | | | | | | | | | | | | | 29 | | | | | | | | | | | | | | |
| Peg | DH | RR | 3 | 25 | 28 | | | | | | | 20 | 22 | 24 | 26 | | | | | | | | 21 | 23 | | | | | | | | | | |
| Peg | GH | ES | | | | | | | | | 20 | | | | | | | | | | | | | | | | | | | | | | | |
| Peg | IP | K1 | | 20+ | 30 | 25 | 20+ | 31 | 26 | 21+ | 32 | 27 | 22 | 32 | 27 | 22 | 33 | 28 | 23 | 33 | 28 | 23 | 29 | 24 | | 30 | 24 | | 30 | 25 | | 31 | 26 | |
| Per | RW | L1 | 2 | | | | | | | | | | | | 57 | | | | | | | | | | | | 76 | | | | | | | |
| Per | RY | ES | | | | | | | | | | 58 | | | | | | | 44 | | | | | | 31 | | | | | | | | | |
| Per | AG | EX | | | 19 | | 21 | 19s | 24 | 22s | 27 | 25s | 30 | 28s | 33 | 31s | 36 | 33s | 39 | 36s | 42 | 39s | 44 | 42s | 47 | 45s | 50 | 48s | 53 | 51s | | 53s | | |
| Per | AR | 90 | | 23+ | 51 | 36 | 21+ | 48 | 34 | 19+ | 46 | 31 | 59 | 44 | 29 | 57 | 42 | 27 | 55 | 40 | 25 | 53 | 38 | 23 | 51 | 36 | 21+ | 49 | 34 | 61 | 46 | 32 | 59 | 44 |
| Per | AY | L1 | | | | | 61 | | | | | | | | | | | | | 39 | | | | | | | | | | | | 16 | | |
| Per | IQ | | | | 68 | 47s | 42 | 21s | | | | 65 | 44s | 40 | | | | | 63 | 41s | 37 | | | | 60 | 39s | 35 | | | | | | 58 | |
| Per | KN | EU | | 43 | 30 | 60s | 46s | 33s | 20s | 49 | 36 | 23 | 53s | 39s | 26s | 56 | 43 | 29 | 59s | 46s | 33s | | 49 | 36 | 22 | 52s | 39s | 26s | 56 | 42 | 29 | | 46s | 32s |
| Per | LX | L1 | | 8 | | | 10s | | | | | | | | | 14s | | | | 16 | | | | 18s | | | | | | | 21s | | | |
| Per | beta | S1 | | | | 44s | | 31s | | | | | | | | 48 | | | 34 | | | 21 | | | 51s | | 38s | | | | 25s | | | |
| Psc | RU | 90 | | 23 | 40 | | 35 | 31 | | 26 | 43 | 21 | 38 | | 33 | | 29 | | | 24 | 41 | | 36 | | 31 | | 26 | 22 | 39 | | 34 | | 29 | |
| Psc | RY | 90 | 2 | 32 | | | | | | 21 | 27 | | | | | | | | | 22 | 27 | | | | | | 22 | 28 | | | | | | |
| Psc | SS | 90 | | 38 | 25 | 40 | 26 | 41 | 28 | 43 | 29 | 44 | 31 | | 32 | | 33 | 20 | 35 | 21 | 36 | 23 | 38 | 24 | 39 | 26 | 41 | 27 | | 28 | | 30 | | 31 |
| Sge | SY | ES | | | | | | | | | | | | | | | | | | | 77 | | | | | | | | | | | | | |
| Ser | VY | RR | | | | | 70 | | | | | 70 | | | | | 70 | | | | | | | | | 69 | | | | | 69 | | | |
| Ser | AN | 90 | | | | | | | | 63 | 68 | 72 | 76 | | | | | | | | | | 64 | 68 | 73 | 77 | | | | | | | | 60 |
| Ser | BH | 90 | | 70 | | 74 | 61 | | 78 | 65 | | | 69 | | | 73 | 60 | | | 77 | 64 | | | 69 | 55 | | 73 | 60 | | 77 | 64 | | | 68 |
| Ser | EG | L1 | | | | | | 72 | | | | | | | 70s | | | | | 67 | | | | | 64s | | | | 62 | | | | | |
| Ser | LX | K1 | | 67 | 62+ | 73 | 68 | 63+ | 74 | 69 | 64 | 75 | 70 | 65 | 60+ | 71 | 66 | 61+ | 72 | 67 | 62+ | 57+ | 68 | 63 | 58+ | 69 | 64 | 59+ | 70 | 65 | 60+ | 55+ | 66 | 61+ |
| Sex | T | 90 | | 59 | 56 | 54 | 51 | 48 | 46 | 43 | 73 | 70 | 68 | 65 | 63 | 60 | 57 | 55 | 52 | 50 | 47 | 45 | 42 | 39 | 69 | 67 | 64 | 61 | 59 | 56 | 54 | 51 | 49 | 46 |
| Tau | RW | S1 | 3 | | | | | | | 58 | | | 35 | | | | | | | | | | | | 43 | | | | | | | | | |
| Tau | CD | S1 | 3 | | | | 41s | | | | | 57 | | | 28s | | | | | | | | | | | | | | | | 46s | | | |
| Tau | EN | ES | 2 | | | 26s | 50 | | | | 22s | 46 | | | | 42 | | | | | | 37 | 61s | | | 33 | 57s | | | 28 | 52s | | | |
| Tau | V1094 | L1 | | 44 | | | | | | 31s | | 43 | | | | | | | 29s | | | | | | | | 28s | | 40 | | | | | |
| Tri | X | S1 | | | | | | | | | 50 | 47 | 45 | 42 | 39 | 36 | 33 | 30 | 28 | 25 | 22 | | | | | | | | | | | | | |
| Tri | RU | ES | 2 | | | | 31s | | | | | 21 | | | 48 | | | | | | | | | | 38s | | 29 | | | | | | 46s | |
| Tri | UX | 90 | | 45 | 39 | 32 | 26 | 19 | | | 46 | 39 | 33 | 26 | | | 46 | | 40 | 33 | 26 | 20 | | | 47 | 40 | 33 | 27 | | | 40 | | 34 | |
| UMa | W | S1 | | 24+ | 24+ | 25+ | 25+ | 25+ | 25+ | 25+ | 25+ | 25+ | 25+ | 25+ | 25+ | 26+ | 26+ | 26+ | 26+ | 26+ | 26+ | 26+ | 26+ | 26+ | 26+ | 26+ | 27+ | 27+ | 27+ | 27+ | 27+ | 27+ | 27+ | |
| UMa | RV | RR | | 41 | | 75 | 69 | 62 | 56 | 50 | 43 | 37 | 77 | 71 | 65 | 58 | 52 | 45 | 39 | | 73 | 67 | 60 | 54 | 47 | 41 | 35 | 75 | 69 | 62 | 56 | 50 | 43 | 37 |
| UMa | RW | ES | | | | | | | | | | 66s | | | | 32 | | | | | | | | | 65 | | | 32s | | | | | | |
| UMa | TU | RR | | 50 | 62 | 73 | | 40 | 52 | 63 | 75 | | 42 | 54 | 65 | 77 | | 44 | 56 | 67 | | | 46 | 58 | 69 | | 36 | 48 | 59 | 71 | | 38 | 50 | 61 |
| UMa | TX | S1 | 3 | | 75 | | | | | | | | | | | | | | | | | | | | | | | | 25 | | | 32 | | |
| UMi | W | S1 | 3 | 21 | | | 61 | | 31 | | | 72 | | 42 | | | | | | | 22 | | | | 62 | | 32 | | 73 | | 43 | | | |
| Vir | ST | 90 | 2 | | | 66 | | 71 | | 76 | | 64 | | | 69 | | 75 | | | 62 | | 68 | | 73 | | 61 | | 66 | | 72 | | 77 | 59 | |
| Vir | AG | ED | | 55s | 52 | 48s | 77s | 73 | 69s | 66 | 62s | 59 | 55s | 51 | 48s | 76s | 73 | 69s | 66 | 62s | 58 | 55s | 51 | 48s | 44+ | 72 | 69s | 65 | 62s | 58 | 54s | 51 | 47s | 44+ |
| Vir | AH | S1 | | 65s | 67 | 69s | 51+ | 53+ | 55+ | 56+ | 58+ | 60 | 62s | 64 | 66s | 47+ | 49+ | 51+ | 53+ | 55+ | 57+ | 59s | 61 | 62s | 64 | 46+ | 48+ | 50+ | 51+ | 53+ | 55+ | 57+ | 59s | 61 |
| JD | 577 | .. | | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 |

| 2017 Jan | | | P | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 |
|----------|-----|----|---|-----|----|----|-----|-----|-----|----|----|----|-----|----|----|----|----|----|----|----|----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|
| Vir | AT | 90 | 2 | 68 | 73 | 78 | | | | | | | 62 | 67 | 72 | 77 | | | | | | 55 | 61 | 66 | 71 | 76 | | | | | | 54 | 60 | 65 |
| Vir | AV | 90 | | 74 | | 71 | | 68 | | 65 | | 63 | | 60 | | 57 | | 54 | | 51 | | | | | 76 | | 73 | | 71 | | 68 | | 65 | |
| Vir | CG | ES | | | | | 79s | 72s | 66s | | | | | | 74 | 67 | 61 | | | | | 75s | 69s | 62s | | | | | 77 | 70 | 64 | 57 | | |
| Vul | Z | S1 | | | | | | | | | | | | | | | | | | | | | | | | 72 | | | | | | | | |
| Vul | BN | 90 | | | | | | | | 23 | | | 20+ | | | 76 | | | 73 | | | | | | | | | | | | | | | |
| Vul | DR | EX | | 21s | | | | | | | | | 21s | | | | | | | | | 22s | | | | | | | | | | | | |
| JD | 577 | .. | | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 |

| 2017 Feb | | | P | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 |
|----------|-------|----|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| And | SW | RR | | 21 | | | | 31 | | | | 29 | | | | 27 | | | | | | | | 25 | | | | | | | 31 |
| And | SY | L1 | 1 | | | | | | | | | | | | | 60\ | | | 64 | 69/ | | | | | | | | | | | |
| And | TW | S1 | | | 22 | | 28s | | 34 | | | | | | | | | | | | | | | | | | | | | | |
| And | XX | 90 | | | 35 | | | 24 | | 41 | | | 30 | | | | | | | | 25 | | | | | 31 | | | | | 37 |
| And | CD | L1 | 2 | | | | | 41\ | \ | 48s | / | 55/ | | | | | | | | | | | | | | | | | | | |
| And | OV | 90 | | | | | | 39 | 33 | 27 | | | 33 | 27 | | | | | | | | | | | 33 | 27 | | | | | |
| Aql | V889 | L1 | | | | | | | | 62 | | | | 56s | | | | | | | 74 | | | | 68s | | | | | | |
| Aql | V1353 | ES | | | | | | | | | 74s | | | | | 69 | | | | | | | | | | | 72s | | | | |
| Aql | V1426 | ES | | 38+ | 56s | 14+ | 32+ | 49 | 8+ | 26+ | 43s | 2+ | 19+ | 37+ | 54 | 13+ | 31+ | 48s | 7+ | 25+ | 42 | 1+ | 18+ | 36+ | 53s | 12+ | 30+ | 47 | 6+ | 23+ | 41+ |
| Aql | V1430 | ES | | | | | | | | | | 72s | | | | | | | 71s | | | | | | 70s | | | | | | |
| Ari | X | RR | 3 | 39 | | 34 | | 30 | | 25 | | | | | | | | | 37 | | 32 | | 27 | | | | | | | | |
| Ari | RS | L1 | 2 | | | | 31 | | | | | | | | | 11 | | | | | | | | 91 | | | | | | | |
| Ari | AL | ES | | | | | | | | | | | | | | 30 | | | | | | | | | | | | | | | 29 |
| Aur | TZ | 90 | 3 | 39 | 57 | 35 | 52 | 31 | 48 | 27+ | 44 | 22+ | 40 | 57 | 36 | 53 | 32 | 49 | 27 | 45 | 62 | 41 | 58 | 37 | 54 | 32 | 50 | 28 | 46 | 63 | 42 |
| Aur | CQ | L1 | 3 | | 94s | | | | | | 25 | | | | | 57s | | | | | 88 | | | | | 19s | | | | | |
| Aur | IY | ES | | | | | | | | | | | 55 | | | 34 | | | | | | | | | | 51 | | | | 31 | |
| Aur | V432 | ES | | | 30 | | | 38 | | | 46 | | | 54 | | | | | | | 25s | | | | 33s | | 41s | | | | 49s |
| Aur | zeta | L1 | 1 | | | | | | | | | | | | | | | | | | | | | | | 91\ | | | | | |
| Boo | RS | RR | | 65 | | 53 | 66 | | 55 | 68 | 44 | 57 | 70 | 46 | 59 | 72 | 47 | 61 | 74 | 49 | 63 | | 51 | 64 | 40 | 53 | 66 | 42 | 55 | 68 | 44 |
| Boo | TW | 90 | | 46 | 53 | 59 | 66 | 72 | | | | 45 | 51 | 58 | 64 | 71 | | | | 43 | 50 | 56 | 63 | 69 | | | | 42 | 48 | 55 | 61 |
| Boo | UU | 90 | | 62 | 53 | | | 73 | 65 | 56 | 47 | | | 67 | 59 | 50 | | | 70 | 61 | 53 | 44 | | 72 | 64 | 55 | 47 | | | 67 | 58 |
| Boo | UY | 90 | | 77 | | 72 | | 68 | | 63 | | 58 | | 53 | | 49 | | | 74 | | 69 | | 65 | | 60 | | 55 | | 50 | | 46 |
| Boo | AC | ED | | 51+ | 40+ | 45+ | 51+ | 39+ | 45+ | 51+ | 39+ | 44+ | 50+ | 38+ | 44+ | 50+ | 38+ | 44+ | 49+ | 37+ | 43+ | 49+ | 37+ | 43+ | 49+ | 37+ | 42+ | 48+ | 36+ | 42+ | 48+ |
| Boo | CM | 90 | | | | 66 | | 49 | 71 | | 54 | 76 | | 58 | | | 63 | | 46 | 67 | | 50 | 72 | | 55 | | 59 | | | 42 | 64 |
| Boo | CQ | 90 | | 71 | 56 | 69 | 53 | 66 | 51 | 63 | 76 | 61 | 74 | 58 | 71 | 55 | 68 | 53 | 65 | 50 | 63 | 47 | 60 | 73 | 57 | 70 | 55 | 67 | 52 | 65 | 49 |
| Boo | CS | 90 | | | | 47 | 58 | 69 | | | 45 | 56 | 67 | | | 43 | 54 | 65 | 75 | | 41 | 52 | 63 | 73 | | 40 | 50 | 61 | 72 | | 38 |
| Cam | SS | ES | | | | 16 | | 57s | | 99 | | | 40s | | 81 | | | 22s | | 63 | | | 4s | | 45 | | 87s | | | 28 | |
| Cam | SV | S1 | | 46+ | 35+ | 24+ | 42+ | 31+ | 50 | 39+ | 28+ | 46+ | 35+ | 24+ | 43+ | 32+ | 50s | 39+ | 28+ | 47s | 36+ | 25+ | 44+ | 32+ | 51 | 40+ | 29+ | 48 | 37+ | 26+ | 44 |
| JD | 577 | .. | | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | | | | | | | | | | | | | | |
| JD | 578 | .. | | | | | | | | | | | | | 00 | | | | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 |

| 2017 | Feb | P | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | |
|------|------|----|---|-----|-----|-----|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Cam | AK | ES | 3 | 65 | 76s | | | | 22s | 33 | 44s | 56 | 67s | | | | | | 24 | 35s | 46 | 58s | 69 | | | | | | 26s | 37 | |
| Cam | AN | | | | | | 45s | | | | | 11 | | | | | | | | | | | | | | | | 45s | | | |
| Cam | AT | ES | | 55 | 25s | 65s | 34 | 74 | 44s | | 53 | 23s | 62s | 32 | 72 | 42s | | 51 | | 60s | 30 | 70 | 40s | | 49 | | 58s | | | | |
| Cnc | S | L1 | 3 | | | | | | | | 1 | | | | | | | | | 49 | | | | | | | | | 98 | | |
| Cnc | RU | L1 | 2 | | 4 | | | | | | | | | | 21 | | | | | | | | | | 39 | | | | | | |
| Cnc | RW | 90 | | 48 | 57 | 67 | 31 | 40 | 50 | 59 | 68 | 23 | 33 | 42 | 52 | 61 | 70 | 25 | 35 | 44 | 53 | 63 | | 27 | 36 | 46 | 55 | 65 | | 29 | |
| Cnc | RZ | L1 | 2 | | | 25\ | 87 / | 49/ | | | | | | | 7\ | 69s | | / | 32/ | | | | | | 89\ | \ | 51 | / | 14/ | | |
| Cnc | TT | 90 | | | 37 | 49 | 62 | | 31 | 44 | 57 | | 26 | 38 | 51 | | | 33 | 45 | 58 | | 27 | 40 | 53 | | | 34 | 47 | | | |
| Cnc | TU | ES | 3 | | | 58 | | | | | | 14 | | | | 70 | | | | | | 26 | | | | | | 82 | | | |
| Cnc | UU | L1 | 2 | \ | \ | \ | \ | \ | \ | 47 | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | |
| Cnc | ZZ | L1 | 2 | | | 95\ | 98 | / | 0/ | | | | | | | | | | | | | | | | | | | | | | |
| Cnc | AQ | 90 | | 64 | | 29 | 38 | 58 | 67 | | 32 | 42 | 51 | 61 | | 26 | 35 | 45 | 55 | 65 | | 29 | 39 | 48 | 58 | | | 32 | 42 | 52 | |
| CVn | W | 90 | | | 48 | 58 | 68 | | 44 | 55 | 65 | 75 | | 41 | 51 | 62 | 72 | | 38 | 48 | 58 | 69 | | | 44 | 55 | 65 | | | 41 | |
| CVn | Z | 90 | | 37 | 67 | 33 | 64 | 60 | | 56 | | 52 | | 48 | | 44 | 75 | 41 | 71 | 37 | 68 | 33 | 64 | 29 | 60 | | 56 | | 52 | | |
| CVn | RS | S1 | | | 48 | | | | | | 67s | | | | | 47s | | | | | | | 67 | | | | | | 47 | | |
| CVn | RZ | 90 | | 51 | 64 | | 48 | 62 | 75 | | 45 | 59 | 72 | | 42 | 56 | 69 | | 40 | 53 | 67 | | 37 | 50 | 64 | | | 48 | 61 | | |
| CMa | R | S1 | 3 | | | 43s | | | 41 | | | | 38s | | | 36 | | | | | | 33s | | | 31 | | | | 29s | | |
| CMi | AM | ES | | 47 | 49 | 51 | 53 | 57 | | | | | | | | | | | | | | | | | | | | | | | |
| Cas | RX | L1 | 2 | \ | \ | \ | 49 / | / | / | / | | | | | | | | \ | \ | \ | \ | 66s | / | / | / | / | | | | | |
| Cas | RZ | S1 | | | 37 | 56 | 76 | | | | 34 | 54 | 74 | | | 32 | | 52 | 71 | | | | 30 | 49 | 69 | | | | 27 | 47 | |
| Cas | SX | L1 | 2 | | | | | | | | | | | | | | | | 28\ | \ | 11 | 94/ | | | | | | | | | |
| Cas | TV | S1 | | | 24 | | | | 68 | | 49 | | 31 | | | | | 74 | | | | 37 | | | | | | | 62 | | |
| Cas | TW | S1 | | | | 52 | | 38 | | | 23 | 66 | | | 52 | | | 38 | | | | 66 | | | 52 | | | 37 | | | |
| Cas | TX | ES | | 72 | | | 65 | | 58 | | | 50 | | | 43 | | | 36 | | | 28 | | | | 67s | | | 60s | | | |
| Cas | AQ | L1 | 3 | 86\ | 91 | 97/ | | | | 72\ | 77s | 83/ | | | 58\ | 64 | | 69/ | | | | 44\ | 50s | 55/ | | | | 30\ | 36 | 41/ | |
| Cas | DN | ES | | | 24s | 40 | 55s | 71 | | | | | 33 | 48s | 64 | | | | | 26 | 42s | 57 | 73s | | | | | 35s | 50 | 66s | |
| Cas | GG | ES | | | | | | | 42 | | | | | | | | | | | | | | | 45 | | | | | | | |
| Cas | GU | EU | | 37 | | | 46 | | | | | | | | 74 | | | | | | | | | | | | | | | | |
| Cas | IL | ES | | 34 | | | | | | 24 | | | 69 | | | | | | | 60 | | | | | | 50 | | | | | |
| Cas | IT | EX | | | | | | | | | | | 35 | | | 25 | | | 40s | | | | 29s | | | | | | | | |
| Cas | OX | EX | | 49 | 69s | | | 47 | 67s | | | | 45 | 65s | | | | 42 | 62s | | | | 40 | 60s | | | | 38 | 58s | | |
| Cas | PV | EX | | 33 | 25s | | 75s | | 50s | 33 | 25s | | | 75s | 58 | 33 | | 25s | | | | 59 | | 34 | 25s | | | | 59 | | |
| Cas | V368 | ES | | 40s | | 63 | | | | | | 31s | | 53 | | | | | | | | | 44 | | 66s | | | | | | |
| Cas | V375 | ED | | 41 | | 62s | 36 | 57s | 31 | | 52s | 25 | 73 | 46s | | 67 | 41s | | 62 | 36s | | 57 | 31s | | 52 | 25s | 73s | 46 | | 67s | |
| Cas | V381 | EX | | | 36s | 29 | | | | | | 35s | 27 | | | | | | 33s | 25 | | | 74 | | 32s | | | | | 73 | |
| Cas | V459 | L1 | | | 58s | | | | 88 | | | | | 4s | | | | 33 | | | | 50s | | | 79 | | | | | 96s | |
| Cep | RZ | 90 | | 50 | 43+ | 35+ | 28+ | 51 | 44+ | 37+ | 29+ | 22+ | 45 | 38+ | 30+ | 23+ | 46 | 39+ | 32+ | 24+ | 48 | 40+ | 33+ | 25+ | 49 | 41+ | 34+ | 27+ | 50 | 43+ | 35+ |
| Cep | VW | S1 | | 24+ | 35+ | 32+ | 30+ | 27+ | 25+ | 22+ | 33+ | 31+ | 28+ | 26+ | 23+ | 34+ | 32+ | 29+ | 27+ | 24+ | 35+ | 33+ | 30+ | 27+ | 25+ | 36+ | 34+ | 31+ | 28+ | 26+ | 37+ |
| Cep | XX | S1 | | 27 | | 61 | | | | | 28 | 62 | | | | | 29 | | | 63 | | | | | 31 | | 64 | | | | |
| JD | 577 | .. | | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | | | | | | | | | | | | | | |
| JD | 578 | .. | | | | | | | | | | | | | | | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | |

| 2017 | Feb | P | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | |
|------|-------|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Cep | XY | ES | | | 75 | | | 52 | | | | 30 | | | | | | | 62 | | | 39 | | | | | | | | 72 | |
| Cep | ZZ | S1 | | 27 | | 41 | | 55 | | 69 | | | | | | | | | 26 | | 40 | | 55 | | 69 | | | | | | |
| Cep | AI | ES | | | | | | | 31 | | | | | | 65s | | | | | | | | | | | | | 32s | | | |
| Cep | CW | EX | 47s | | | | 64 | | | 37 | 65s | | | 38s | | | | 55 | | | 28 | 57s | | | 30s | | | 47 | | | |
| Cep | EI | L1 | | | 3s | | | | 25 | | | | 47s | | | 69 | | | | | 91s | | | | 13 | | | | 35s | | |
| Cep | EX | L1 | 2 | | | | 41 | | | | | | | | | | | | | 85 | | | | | | | | | | | |
| Cep | NN | ES | | 56s | 59 | 62s | 65 | 67s | 70 | 73s | 76 | | | | | | | | | | | | | | | | | 26s | 29 | 32s | |
| Cet | RR | RR | 2 | | 30 | | | | | 27 | | | | 25 | | | | | | 23 | | | | | | | | | | | |
| Cet | RV | 90 | 2 | | | 26 | | | | | 24 | | | | 23 | | | | | | | | | | | | | | | | |
| Cet | TU | ES | 2 | | | 12 | | | | 51 | | | 90 | | | | | | | | | 69 | | | | 8 | | | | | |
| Cet | TV | L1 | | | | 33 | | | | | 82s | | | | 44 | | | | | 93s | | | | 54 | | | | | 3s | | |
| Cet | XY | ES | 2 | | | 28s | | | | | | | 23 | | | | | | | | | | | | | | | | | | |
| Com | S | 90 | | 50 | 68 | | 44 | 61 | | 37 | 54 | 72 | 48 | 65 | | 41 | 58 | 75 | 34 | 51 | 69 | | 45 | 62 | | 38 | 55 | 73 | 31 | 49 | |
| Com | ST | 90 | | | | 62 | | | 61 | | 41 | 61 | 40 | 60 | | 40 | 60 | | | | | 39 | 59 | | | | 38 | 58 | 38 | 58 | |
| CrB | U | S1 | | | | | | | | | | | | | | | | 68 | | | | | | | 59 | | | | | | |
| CrB | RV | 90 | | 57 | 56 | 56 | 55 | 55 | 54 | 54 | 53 | 53 | 52 | 52 | 51 | 51 | 50 | 50 | 49 | 49 | 48 | 48 | 47 | | | | | | | | |
| Crt | W | 90 | 2 | | | 56 | | 62 | | | | | | | | | 51 | | | | | | 57 | | 51 | | | | 46 | | |
| Cyg | UY | RR | | 23 | | | | 71 | | | | | | | | 68 | | | | | | | | | 65 | | | | | 70 | |
| Cyg | XZ | RR | | | 32 | 25+ | 65 | 58 | 52 | | | 25+ | 65 | 58 | 52 | | | | | 25+ | 65 | 58 | 51 | | | 25+ | 65 | 58 | 51 | 45 | |
| Cyg | BO | ES | | | | | 29 | | | | | | | | | | | 71s | | | | | | | 73s | | | | 25s | | |
| Cyg | BR | ES | | 75s | | 75 | | 75s | | 75 | | 75s | | 75 | | 75s | | 75 | | 74s | | 74 | | 74s | | 74 | | | | | |
| Cyg | DM | RR | | | 73 | | 25 | | | | | 71 | | | 23 | | 75 | | | 69 | | | | | 73 | | | 66 | | | |
| Cyg | EM | K1 | 3 | | 74 | | | | | 68 | | 72 | 75 | | | 66 | | 70 | | 74 | | | 64 | | 68 | | 72 | | 63 | | |
| Cyg | V367 | L1 | 2 | | | | \ | \ | 54 | / | / | | | / | \ | \ | | 84s | | / | / | | | | \ | \ | \ | 14 | / | / | |
| Cyg | V463 | ES | | | | | 66 | 72s | | | | | | | | | | | | | | | | | 66s | 72 | | | | | |
| Cyg | V477 | | | 69 | | | 74s | | | | 73 | | | | | | | | | | | | | | | | | | | | |
| Cyg | V541 | L1 | | | | 40s | | | | | | | 71 | | | | | | | 74s | | | | | | | | | 5 | | |
| Cyg | V548 | ES | | | 26s | | | | 68s | 58 | | | 29s | | | | | 70s | 61 | 51s | | | | | | 73s | 63 | 53s | | | |
| Cyg | V788 | L1 | | | | | | | | 1\ | 92/ | | | | | | | | | | | | | | | | | | | | |
| Cyg | V891 | ES | | | | | | | | | | | | | 70 | | | | | | | | | | | | | | | | |
| Cyg | V909 | ES | | | | 71s | | | | | | 72 | | | | | | | | 74s | | | | | | | | | | | |
| Cyg | V1061 | ES | | | | 71 | | | | | | 75 | | | | | | | | | | | | | | | | | | | |
| Cyg | V1918 | ED | 3 | 24+ | 28+ | 72s | 55+ | 58 | 62s | 24+ | 68s | 71 | 54+ | 57s | 61 | 23+ | 67 | 71s | 53+ | 56 | 60s | 63 | 66s | 70 | 52+ | 56s | 59 | 62s | 65 | 48+ | 51+ |
| Dra | RW | RR | | 56 | 44 | | 66 | 54 | 43 | 76 | 64 | 53 | 42 | 75 | 63 | 52 | 40 | 73 | 62 | 50 | 39 | 72 | 60 | 49 | 38 | 70 | 59 | 48 | 36 | 69 | 58 |
| Dra | SU | RR | | | 45 | | 43 | 75 | 41 | 74 | 40 | 72 | 38 | 70 | 36 | 68 | 34 | 66 | 32 | 64 | 30 | 62 | 28 | 60 | 26 | 59 | 25 | 57 | | 55 | |
| Dra | SW | RR | | 65 | 22 | 36 | 50 | 64 | | 35 | 49 | 63 | | 34 | 47 | 61 | 75 | 32 | 46 | 60 | 74 | 31 | 45 | 59 | 73 | 30 | 44 | 58 | 72 | 29 | 43 |
| Dra | TZ | ED | | | 75 | 62 | | | 65s | | | 68 | 55 | | 71s | 58s | | 74 | 61 | | | 64s | 50s | | 67 | 54 | | 70s | 57s | | 73 |
| Dra | VZ | 90 | | 56 | 52 | 48 | 45 | 41+ | 37+ | 34+ | 62 | 58 | 55 | 51 | 47 | 43 | 40+ | 36+ | 32+ | 61 | 57 | 53 | 50 | 46 | 42+ | 39+ | 35+ | 31+ | 60 | 56 | 52 |
| Dra | WW | S1 | 3 | | | | 51 | | | | | | | | | | | | | | 40 | | | | | | | | | 66 | |
| JD | 577 | .. | | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | | | | | | | | | | | | | | |
| JD | 578 | .. | | | | | | | | | | | | | | | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | |

| 2017 | Feb | P | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | | |
|------|------|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|
| Dra | XZ | RR | 41 | 37 | 32 | 27+ | 23+ | 65 | 61 | 56 | 51 | 47 | 42 | 37 | 33 | 28+ | 23+ | 66 | 61 | 57 | 52 | 47 | 43 | 38 | 33 | 28 | 71 | 67 | 62 | 57 | | |
| Dra | AI | S1 | 52 | 72 | | | | | 52 | 72 | | | | | 51 | 71 | | | | | 51 | 71 | | | | 50 | 70 | | | | | |
| Dra | BF | | 53s | | | | | | 32 | | | | | 74s | | | | | | 53 | | | | | | | | | | | | |
| Dra | BK | 90 | 26 | 44 | 62 | 22 | 40 | 58 | | 36 | 55 | 73 | 32 | 51 | 69 | 28 | 47 | 65 | 24 | 43 | 61 | | 39 | 57 | | 35 | 53 | 72 | 31 | 49 | | |
| Dra | BU | ES | 54 | | 46s | | 37 | | | | | | | | | | | | | | 69 | | 60s | | 52 | | 43s | | 34 | | | |
| Dra | DD | 90 | 41+ | 39+ | 37+ | 35+ | 33+ | 31+ | 29+ | 27+ | 25+ | 23+ | 54 | 52 | 50 | 48 | 46 | 44 | 42+ | 40+ | 38+ | 36+ | 34+ | 32+ | 30+ | 28+ | 26+ | 57 | 55 | 53 | | |
| Dra | EX | K1 | 22+ | 27+ | 32+ | 37+ | 42+ | 26+ | 31+ | 36+ | 41+ | 25+ | 30+ | 35+ | 40+ | 24+ | 29+ | 34+ | 39+ | 44+ | 28+ | 33+ | 38+ | 43+ | 27+ | 32+ | 37+ | 42+ | 26+ | 31+ | | |
| Dra | GV | L1 | 3 | | | | | | | | | | | 40 | | | | | | | | | | | | | | | | | | |
| Eri | SV | 90 | 2 | 22 | | | | | 22 | | | | | | | | | | | | | | | | | | | | | | | |
| Gem | U | K1 | 3 | 32+ | 38+ | 27+ | 33+ | 39+ | 28+ | 34+ | 22+ | 28+ | 34+ | 23+ | 29+ | 35+ | 24+ | 30+ | 36+ | 24+ | 31+ | 37+ | 25+ | 31+ | 37+ | 26+ | 32+ | 38+ | 27+ | 33+ | 39+ | |
| Gem | RR | 90 | 3 | 22+ | 41 | 61 | 40 | 59 | 39 | 58 | 37 | 57 | 36 | 55 | 35 | 54 | 33 | 53 | 32 | 51 | 31 | 50 | 29 | 48 | 28 | 47 | 27 | 46 | 25 | 44 | | |
| Gem | RY | L1 | 3 | | | | 47s | | | | | 12 | | | 77s | | | | | | 43 | | | | 8s | | | | 73 | | | |
| Gem | SV | ES | 1 | 27 | | | 28 | | | | 28 | | | | 29 | | | | 30 | | | | 30 | | | | 31 | | | | | |
| Gem | SZ | 90 | 3 | 33 | 33 | 34 | 34 | 34 | 34 | 34 | 35 | 35 | 35 | 35 | 36 | 36 | 36 | 36 | 37 | 37 | 37 | 37 | 37 | 38 | 38 | 38 | 38 | 39 | 39 | 39 | 39 | |
| Gem | WW | ES | | | 39 | | 25s | 49s | | 34 | 58 | | 44s | | 30 | 53 | | 39s | | 25 | 49 | | 34s | | | 44 | 29s | 53s | | 39 | | |
| Gem | YY | S1 | | 38s | 60 | 41 | 23+ | 45s | 26+ | 48 | 30 | 52s | 33s | 55 | 37 | 59s | 40s | 63 | 44 | 25 | 48s | 29s | 51 | 33 | 55s | 36s | 58 | 40 | 62s | 43s | 25s | |
| Gem | V339 | EU | 2 | | | 57 | | 45 | | | 33 | | | | | | | | | | | | | | | | | | | | | |
| Her | TW | RR | | | 75 | | 75 | | 75 | | 75 | | 74 | | 74 | | 74 | | 74 | | 74 | | 73 | 53 | 73 | 53 | 73 | 53 | 73 | 53 | 73 | |
| Her | TX | S1 | | 58 | 61s | 64 | 67s | 70 | 73s | 76 | | | | | | | | | | | | | | | | | | | | | | |
| Her | UX | ED | | | | | | 70s | | | | | | | 67 | | | | | | | 64s | | | 73s | | | | 61 | | | |
| Her | VX | RR | | | 72 | 63 | | | | 73 | 64 | 55 | | | 74 | 65 | 56 | | | 75 | 66 | 57 | | | | 67 | 58 | | | | 67 | |
| Her | VZ | 90 | | | | 66 | 54 | | 74 | 62 | | 70 | 58 | | | 66 | 54 | | | 75 | 63 | 51 | | 71 | 59 | | 67 | 55 | | | | |
| Her | AK | S1 | | | 64s | 69 | 75s | | 64 | 70s | 75 | 60 | 65s | 70 | | 60s | 65 | 71s | | 60 | 66s | 71 | 55 | 61s | 66 | 72s | 56s | 61 | 67s | 72 | 56 | |
| Her | AR | 90 | | 76 | 70 | 64 | 58 | 52 | 46 | | | 75 | 69 | 63 | 57 | 51 | 45 | | | 74 | 68 | 62 | 56 | 50 | 44 | 38 | | 73 | 67 | 61 | 55 | |
| Her | AW | L1 | | | | 54 | | | | | | | | | 34 | | | | | | | | | 14 | | | | | | | | |
| Her | DI | L1 | | | | | | | | 42s | | 84 | | | | | | | | 97s | | 39 | | | | | | | | | 52s | |
| Her | GU | EU | | | | | | 56s | | | 73 | | | | | | | | | | | 59s | | | | | | | | | | |
| Her | LV | | | | | | | | | | | | | 74s | | | 28 | | | | | | | | | | | | | | | |
| Hya | SZ | 90 | 2 | 48 | 55 | | | | | 39 | 46 | 54 | | | | | 37 | 44 | 52 | | | | | 35 | 43 | 50 | | | | | 34 | |
| Hya | WZ | 90 | 2 | 53 | 61 | | | | | 45 | 52 | 60 | | | | | 44 | 51 | | | | | | 43 | 50 | | | | | | 42 | |
| Hya | AI | L1 | | | 14s | | | | 73 | | | | | | | | | 2 | | | 72s | | | | | 31 | | | | | 1s | |
| Hya | ET | 90 | 2 | | 56 | | | | | 35 | | 41 | | 47 | | 52 | | | | | 32 | | 38 | | 44 | | 49 | | | | | |
| Lac | RW | L1 | | | | | 87 | | | | | | | | | | | | 23 | | | | | 35s | | | | 60 | | | | |
| Lac | SW | S1 | | 26 | 23 | | 31s | 27s | 23s | | 32 | 28+ | 24 | | | 29s | 25+ | | | 30 | 26+ | | | | 27s | 71 | | 28 | 72s | | | |
| Lac | UW | ES | | | | 8 | | | | | 37 | | | | | 66 | | | | | | | | | | | 24 | | | | | |
| Lac | CO | EX | | 77s | | 32s | 65 | | 40s | | 73 | 28 | | | 36 | | 65s | | | | 74s | | 28s | | 61 | 36s | | 70 | | | | |
| Lac | CZ | 90 | | | 35 | | 37 | | 24+ | | | 26+ | | | 29+ | | 31+ | | | | 34 | 63 | | | 66 | | 25+ | | | | 27+ | |
| Lac | V345 | EX | | | | | 76 | | | | 41s | | | | | 25 | 90s | | | | | | 75 | | | 39s | | | | | 24 | |
| Lac | V364 | EX | | | | | | | | | | 25s | | | | | | | | | | | | | | | | | | | | |
| JD | 577 | .. | | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | | | | | | | | | | | | | | | |
| JD | 578 | .. | | | | | | | | | | | | | | | 00 | | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | |

| 2017 | Feb | P | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | |
|------|-------|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Leo | RR | RR | 62 | 52 | 43 | 33 | 69 | 59 | 50 | 40 | 31 | 67 | 57 | 48 | 38 | 29 | 64 | 55 | 45 | 36 | 26+ | 62 | 52 | 43 | 33 | 69 | 60 | 50 | 41 | 31 | |
| Leo | SS | RR | 3 | 52 | | | 65 | | 53 | | 41 | 66 | | 54 | | 42 | 67 | | 55 | | 43 | 68 | | 56 | | 44 | | 57 | | | |
| Leo | ST | RR | 2 | 61 | 56 | 52 | 47 | 43 | 39 | | 73 | 69 | 64 | 60 | 55 | 51 | 47 | 42 | 38 | | | 72 | 68 | 64 | 59 | 55 | 50 | 46 | 42 | 37 | |
| Leo | WY | ES | | | | 52 | | | | | 50 | | | | | 49 | | | | | 47 | | | | | 46 | | | | | |
| Leo | AG | ES | | 46s | | | | 55 | | | | | 64s | | 34 | | | | | 43s | | | | 51 | | | | | 60s | | |
| Leo | AM | S1 | | 48+ | 40+ | 49+ | 41+ | 51+ | 42+ | 52+ | 43+ | 35+ | 44+ | 36+ | 46+ | 37+ | 47+ | 38+ | 48+ | 39+ | 49+ | 41+ | 32+ | 42+ | 33+ | 43+ | 34+ | 44+ | 36+ | 45+ | 37+ |
| Leo | FM | EU | 3 | | | | | | | | | 60s | | | | | | | | | | | | | | | | 43 | | | |
| Lyn | TY | ES | | | 41 | | | | 74 | | | | | 40 | | | | | | | | | | | | | | | | | |
| Lyn | CD | ES | | | | 22 | | 49s | | | | | | | 32 | | 59s | | | | | | | 42 | | 69s | | | | | |
| Lyr | RR | RR | | | 60 | 74 | | | | 71 | | | | 67 | | | | 64 | | | | 61 | 74 | | | 58 | 71 | | | 55 | |
| Lyr | RZ | 90 | | | | | | | 60 | 62 | 64 | 67 | 69 | 71 | 73 | | | | | | | | | | | | | | | 56 | |
| Lyr | UZ | S1 | | | | | | | | | | | | | | 75s | 69 | 64s | 58 | | | | | | | | | | | | |
| Lyr | CN | 90 | | 76 | | | 64 | 69 | | 75 | | | 63 | | 69 | 75 | | | | | 62 | | 68 | | 74 | | | 62 | | 68 | |
| Lyr | EZ | RR | | | 62 | 67 | 72 | | | | | | | 60 | 65 | 71 | | | | | | | | | 58 | 63 | 69 | | | | |
| Lyr | IO | 90 | 3 | 72 | | | 60 | 76 | | | 64 | | | 68 | | | 57 | 72 | | | | 61 | | | | 65 | | | 53 | 69 | |
| Lyr | beta | S1 | | | | | 22 | | | | | | 69s | | | | | | | 16 | | | | | | 63s | | | | | |
| Mon | UX | ES | 2 | | | 25s | | 21 | | | 16s | | | 11 | | | 6s | | | 2 | | 97s | | | 92 | | | 87s | | | |
| Mon | VV | ES | 2 | | 77s | | 79 | | | | 82s | | 84 | | | 87s | | | | 89 | | | 92s | | 94 | | | 97s | | | |
| Mon | AQ | ES | 2 | | | | | | 36s | | | | | 45s | | | | 27 | | | | | 36 | | | | 45 | | | | |
| Mon | AR | L1 | 1 | | | | | 81\ | 66s | 51/ | | | | | | | | | 41\ | 26 | 11/ | | | | | | | | 2\ | | |
| Mon | AT | ES | 2 | | 46 | | 49 | 52 | | | | | | | | | | | | | | | | | | | | | | | |
| Mon | AV | ES | 2 | | 99s | | | 47 | | | 94s | | | | 41 | | | 89s | | | | 36 | | | 83s | | | 31 | | | |
| Mon | EZ | EU | 3 | | 35 | 48s | | 49s | | 37 | 50s | 25s | 38 | 51s | 26s | 39 | | 27s | 40 | | | 28s | 41 | | 29s | 41 | | 30s | 42 | 30s | |
| Mon | IL | ES | 2 | | 74 | | | 76 | | | | 79 | | | 82 | | | | | | 84 | | | | 87 | | | 89 | | | |
| Mon | V448 | ES | | 23s | 35s | 47s | | 26 | 38 | 50 | | | 30s | 41s | | | | 33 | 45 | | | 24s | 36s | 48s | | 28 | 40 | | | | |
| Mon | V530 | EU | 3 | 33 | 38 | 43 | 22+ | 27+ | 32s | 37s | 42s | 47s | 26+ | 31 | 36 | 42 | 47 | 26+ | 31s | 36s | 41s | 46s | 25+ | 30 | 35 | 40 | 45 | 50 | 29s | 34s | 39s |
| Mon | V536 | | | | | | | | | | | | | 45s | | | | | | | | | | | | | | | 33 | | |
| Mon | V634 | EU | | | | | | | 36 | | 47 | | | | | | | | | | | | | | | 27 | | 39 | | | |
| Oph | U | ST | | | | | 69s | | | | | 73s | | | | | | | | | | | 63 | | | | | 66 | | | |
| Oph | ST | 90 | 2 | | 73 | | | | | 69 | | | | 74 | | | | | | 69 | | | | 65 | | | | 70 | | | |
| Ori | Z | ES | 2 | | | 30 | | | | | 50 | | | | 71 | | | | | | 91 | | | | | | 11 | | | | |
| Ori | BM | ES | | | 56 | | | | | | 3 | | | | | | 50 | | | | | | | 97 | | | | | 44 | | |
| Ori | CP | ES | 2 | | | | 8 | | | | | 40 | | | | | 72 | | | | | | | 4 | | | | 36 | | | |
| Ori | DN | L1 | 2 | | | 67 | | | | | | | | | | | | | | | | | 63 | | | | | | | | |
| Ori | FO | L1 | 2 | | | | | | | | | | | | | | | | | | | | 97 | | | | | | | | |
| Ori | FT | EX | | 53s | 57 | | | | | | | | | | | | | | | 29s | 32 | | 44s | 47 | | | | | | | |
| Ori | GG | EX | | | | | | | | | | | | | | | | | 45s | | | 25 | | | | | | | | | |
| Ori | V536 | ES | 2 | | | | | | | 24 | | | 41 | | | | | | | | | | | | | | | | | | |
| Ori | V1016 | L1 | 3 | | | | | | | | | | | | | | | | | | | | 61 | | | | | | | | |
| JD | 577 | .. | | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | | | | | | | | | | | | | | |
| JD | 578 | .. | | | | | | | | | | | | | | | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | |

| 2017 | Feb | P | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | | | | | |
|------|-------|----|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|
| Ori | V1031 | ES | 2 | | 42s | | | | | | | | | | | | | | | | | | | | | | | | | | 26s | | | | |
| Peg | U | S1 | | | 28s | 22 | | 28s | 22 | | | | 28s | | | | | | 27s | | | | | | | | | | | | | | | | |
| Peg | VW | | | | 68 | | | | | | | | | | | | | | | | | | | | 75 | | | | | | | | | | |
| Peg | AV | RR | | | | | | | 22 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Peg | AW | L1 | | | | | 79s | | | | | 10 | | | | | 41s | | | | | | 73 | | | | | | | | 4s | | | | |
| Peg | CG | 90 | | | | | | | | | | | | | | | | | | 74 | | | | | | | | | | | | | | | |
| Peg | DF | L1 | | | 99 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Peg | IP | K1 | | 21 | | 26 | | | 27 | 22 | | 27 | | | 23 | | | | | | | 24 | | | 24 | | | | | | | | | | |
| Per | RW | L1 | 2 | | | | | | 96 | | | | | | | | | | | | | | | 16 | | | | | | | | | | | |
| Per | RY | ES | | | | | | | | | | 47s | | | | | | | | | 33s | | | | | | | | | | | | | | |
| Per | AR | 90 | | 29 | 57 | 42 | 27 | 55 | 40 | 25 | 53 | 38 | 23 | 51 | 36 | | 49 | 34 | | | 47 | 32 | | 44 | 30 | | 42 | 27 | 55 | 40 | 25 | 53 | | | |
| Per | AY | L1 | | | | | | | | | | | | | | | | | | | | | | 72 | | | | | | | | | | | |
| Per | IQ | | | 36s | 32 | | | | 59s | 55 | 34s | 29 | | | | 57s | 53 | 31s | | | | | 54s | 50 | 29s | 24 | | | | 52s | 47 | | | | |
| Per | KN | EU | | | 49 | 36 | 22 | 52s | 39s | 25s | | 42 | 29 | | 45s | 32s | 49 | | | | | | 39s | 25s | 42 | 28 | | 45s | 32s | | | | | | |
| Per | LX | L1 | | | 23 | | | | 25s | | | 27 | | | | | 29s | | | | | 31 | | | 33s | | | | | | | 35 | | | |
| Per | beta | S1 | | | | | 42 | | | | 28 | | | | | | 45s | | | | | 32s | | | | | | | | | | 35 | | | |
| Psc | RU | 90 | | 24 | | | | 37 | | 32 | | 27 | | | | | 35 | | | | | | 30 | | 25 | | 32 | | 28 | | | | | | |
| Psc | RY | 90 | 2 | | | | 23 | | | | | | | | 23 | | | | | | | | | | | | | | | | | | | | |
| Psc | SS | 90 | | 33 | | 34 | | | 36 | 22 | 37 | 24 | | 25 | | 26 | | 28 | | | | | 29 | | 31 | | 32 | | | | | | | | |
| Sge | SY | ES | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 71 | | | |
| Ser | VY | RR | | | | 69 | | | | | | 69 | | | | | 69 | | | | 55 | | 69 | | | 54 | | 69 | | | 54 | | | | |
| Ser | AN | 90 | | 65 | 69 | 73 | | | | | | | 57 | 61 | 65 | 70 | 74 | | | | | | | | | 53 | 57 | 62 | 66 | 71 | | | | | |
| Ser | BH | 90 | | 55 | | 72 | 59 | | 76 | 63 | 50 | 68 | | 54 | | 72 | 59 | | | | | 63 | 50 | | 67 | 54 | | 71 | 58 | 45 | | 62 | 49 | | |
| Ser | EG | L1 | | 59s | | | | | 56 | | | | | 54s | | | | | | | 51 | | | | 48s | | | | | | | 46 | | | |
| Ser | LX | K1 | | 56+ | 67 | 62 | 57+ | 52+ | 63 | 58+ | 53+ | 64 | 59+ | 54+ | 65 | 60 | 55+ | 50+ | | | | 61 | 56+ | 51+ | 62 | 57+ | 52+ | 47+ | 58+ | 53+ | 48+ | 59 | 54+ | 49+ | |
| Sex | T | 90 | | 43 | 41 | 38 | 36 | 65 | 63 | 60 | 58 | 55 | 52 | 50 | 47 | 45 | 42 | 40 | | | | 37 | 34 | 32 | 62 | 59 | 56 | 54 | 51 | 49 | 46 | 44 | 41 | 38 | |
| Tau | RW | S1 | 3 | 50 | | | 27 | | | | | | | | | | | | | | | | | | | | | | | | | | 42 | | |
| Tau | CD | S1 | 3 | | | | | 33s | | | | 48 | | | | | | | | | | 35 | | | | | | | | | | | | | |
| Tau | EN | ES | 2 | | | 24 | 48s | | | | | 44s | | | | | 39s | | | | | | | | 35s | | | | | | | | 30s | | |
| Tau | V1094 | L1 | | | | 27s | | | 39 | | | | | | 26s | | 38 | | | | | | | | | 25s | | | | | | | 37 | | |
| Tri | X | S1 | | | | | | | | | | | | | | | | | | | 39 | 36 | 34 | 31 | 28 | 25 | | | | | | | | | |
| Tri | RU | ES | 2 | | | | 36 | | | | | | 26s | | | | | | | | | | | | | | | 34s | | | | | | | |
| Tri | UX | 90 | | 27 | | | | | 41 | 34 | 28 | | | | | 41 | 35 | 28 | | | | | | | | 35 | 28 | | | | | | 35 | | |
| UMa | W | S1 | | 27+ | 27+ | 27+ | 27+ | 27+ | 28+ | 28+ | 28+ | 28+ | 28+ | 28+ | 28+ | 28+ | 28+ | | | | | 28+ | 29+ | 29+ | 29+ | 29+ | 29+ | 29+ | 29+ | 29+ | 29+ | 29+ | 29+ | 30+ | |
| UMa | RV | RR | | 30+ | 71 | 64 | 58 | 52 | 45 | 39 | 33 | 73 | 67 | 60 | 54 | 47 | 41 | 35 | | | | 28+ | 69 | 62 | 56 | 49 | 43 | 37 | 30 | 71 | 64 | 58 | 52 | 45 | |
| UMa | RW | ES | | 65s | | | | 31 | | | | | | | | 64 | | | | | | | | | | | 63s | | | | | | 29 | | |
| UMa | TU | RR | | 73 | | 40 | 52 | 63 | 75 | 31 | 42 | 54 | 65 | | 32 | 44 | 56 | 67 | | | | | 34 | 46 | 57 | 69 | | 36 | 48 | 59 | 71 | 27 | 38 | 50 | |
| UMa | TX | S1 | 3 | | 38 | | | 44 | | | 51 | | | 57 | | | 63 | | | | | | | | | 70 | | | | | | | | | |
| UMi | W | S1 | 3 | | 53 | | 23 | | | 63 | | 34 | | | 74 | | 44 | | | | | | | | | 54 | | 24 | | | | | 65 | 35 | |
| JD | 577 | .. | | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | | | | | | | | | | | | | | | | | | |
| JD | 578 | .. | | | | | | | | | | | | | | | 00 | | 01 | 02 | 03 | 04 | 05 | | | | 06 | 07 | 08 | 09 | 10 | | 11 | 12 | 13 |

| 2017 | Feb | P | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | | |
|------|-----|----|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|
| Vir | ST | 90 | 2 | 65 | | 70 | | 75 | 58 | | 63 | | 68 | | 74 | 56 | | 61 | | 67 | | 72 | 54 | | 60 | 65 | | 71 | 53 | | | |
| Vir | AG | ED | | 40+ | 69s | 65 | 61s | 58 | 54s | 51 | 47s | 43+ | 40+ | 68s | 65 | 61s | 57 | 54s | 50 | 47s | 43 | 39+ | 36+ | 64 | 61s | 57 | 54s | 50 | 46s | 43 | 39+ | |
| Vir | AH | S1 | | 42+ | 44+ | 46+ | 48+ | 50+ | 52+ | 54+ | 56+ | 57 | 39+ | 41+ | 43+ | 45+ | 46+ | 48+ | 50+ | 52+ | 54+ | 56s | 37+ | 39+ | 41+ | 43+ | 45+ | 47+ | 49+ | 51+ | 52+ | |
| Vir | AT | 90 | 2 | 70 | 75 | | | | | | 53 | 59 | 64 | 69 | 74 | | | | 47 | 52 | 57 | 63 | 68 | | | | | 46 | 51 | | | |
| Vir | AV | 90 | | 62 | | 59 | | 56 | | 53 | | 50 | | 47 | | 44 | | 73 | | 70 | | 67 | | 64 | | 61 | | 58 | | 55 | | |
| Vir | CG | ES | | | 72s | 65s | 59s | | | | | 73 | 67 | 60 | 54 | | | | 75s | 68s | 62s | 55s | | | | 70 | 63 | 57 | 50 | | | |
| Vul | Z | S1 | | | | | | | | | | | | | | | | | | | | | | | 64 | | | | | | | |
| Vul | RR | ES | | | 76 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Vul | BN | 90 | | | | 75 | | | | 72 | | 69 | | | 66 | | | | | | | | | | | | | 73 | | | | |
| Vul | DR | EX | | 72s | | | | | | | | 73s | | | | | | | | | | 73s | 66 | | | | | | | | 73s | |
| Vul | EV | ES | | | | | | | | 72 | | | | | | | | | | | | | | | | 65 | | | | | | |
| JD | 577 | .. | | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | | | | | | | | | | | | | | | |
| JD | 578 | .. | | | | | | | | | | | | | | 00 | | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | | |

| 2017 | Mrz | P | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | |
|------|-------|----|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|-----|-----|-----|-----|-----|----|-----|-----|-----|-----|-----|-----|----|----|-----|-----|----|-----|-----|-----|
| And | SW | RR | | | 29 | | | | 27 | | | | | | | | | | | | | | | | | | | | | | | | | |
| And | SY | L1 | 1 | | | | | | | | | | | | | | | | | | | | | 50\ | 55 | 60/ | | | | | | | | |
| And | TW | S1 | | | | | | | | | 27s | | | | | | | | | | | | | | | | | | | | | | | |
| And | XX | 90 | | | 26 | | | | | 32 | | | | | | | | | | | | | | | | | | | | | | | | |
| And | CD | L1 | 2 | | | | | | | | | | 86\ | \ | 92 | / | 99/ | | | | | | | | | | | | | | | | | |
| And | OV | 90 | | 33 | 27 | | | | | | | | 27 | | | | | | | | | | | | | | | | 68 | | | | | |
| Aql | AA | RR | | | | | | | | | | | | | | | | | | | | | | | 69 | | | | 67 | | | | | |
| Aql | V341 | 90 | 3 | | | | | | | | | | | | | | | | | | | | | | | 66 | | | | | | | | |
| Aql | V889 | L1 | | 86 | | | 80s | | | | | | 98 | | | | | 92s | | | | | | | 10 | | | | 4s | | | | | |
| Aql | V1353 | ES | | | 67 | | | | 62s | | | | | | 70s | | | | | | 65 | | | | | 60s | | | | 55 | | 68s | | |
| Aql | V1426 | ES | | 58s | 17+ | 35+ | 52 | 11+ | 29+ | 46s | 5+ | 22+ | 40+ | 57 | 16+ | 34+ | 51s | 10+ | 27+ | 45 | 4+ | 21+ | 39+ | 56s | 15+ | 32+ | 50 | 9+ | 26+ | 44s | 3+ | 20+ | 38+ | 55 |
| Aql | V1430 | ES | | | 69s | | | | | | | | | | | | | | | | | | | | | 66s | | | 59 | | | | 65s | |
| Ari | X | RR | 3 | | | 34 | | 30 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ari | RS | L1 | 2 | | 72 | | | | | | | | 52 | | | | | | | | | | | | | | | | | | 13 | | | |
| Ari | AL | ES | | | | | | | | | | | | | | | 28 | | | | | | | | | | | | | | | | | |
| Aur | TZ | 90 | 3 | 59 | 37 | 55 | 33 | 51 | 29 | 47 | | 42 | 60 | 38 | 56 | 34 | 52 | 30 | 47 | | 43 | | 39 | 57 | 35 | 52 | 31 | 48 | | 44 | | 40 | | 36 |
| Aur | CQ | L1 | 3 | 50 | | | | | 81s | | | | | | 12 | | | | | | 43s | | | | 75 | | | | | 6s | | | | |
| Aur | IY | ES | | | | | | | | | | 48 | | | | 27 | | | | | | | | | | 45 | | | | | | | | |
| Aur | V432 | ES | | | | | | | | | | | 28 | | | 36 | | | | | 44 | | | | | | | | | | | | | 31s |
| Aur | zeta | L1 | 1 | | | | | | | | | | | | | | | 35 | | | | | | | | | | | | | | | | |
| Boo | RS | RR | | 57 | 70 | 46 | 59 | 72 | 47 | 61 | 36 | 49 | 62 | 38 | 51 | 64 | 40 | 53 | 66 | 42 | 55 | 68 | 44 | 57 | 32 | 45 | 59 | 34 | 47 | 60 | 36 | 49 | 62 | 38 |
| Boo | TW | 90 | | 67 | | | 34 | 40 | 46 | 53 | 59 | 66 | | | 32 | 38 | 45 | 51 | 58 | 64 | | | 30 | 37 | 43 | 50 | 56 | 63 | | | 35 | 42 | | 48 |
| Boo | UU | 90 | | 49 | 41 | | 69 | 61 | 52 | 43 | | | 63 | 55 | 46 | 37 | | 66 | 57 | 49 | 40 | | 68 | 60 | 51 | 43 | 34 | 62 | 54 | 45 | 37 | | | 65 |
| JD | 578 | .. | | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 |

| 2017 | Mrz | P | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | |
|------|-----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|
| Boo | UY | 90 | | 41 | 71 | | 66 | | 62 | | 57 | | 52 | | 48 | | 43 | | 38 | 68 | | 64 | | 59 | | 54 | | 49 | | 45 | | 40 | | |
| Boo | AC | ED | 36+ | 42+ | 47+ | 35+ | 41+ | 47+ | 35+ | 41+ | 46+ | 35+ | 40+ | 46+ | 34+ | 40+ | 46+ | 34+ | 39+ | 28+ | 33+ | 39+ | 45+ | 33+ | 39+ | 44+ | 32+ | 38+ | 44+ | 32+ | 38+ | 44+ | 32+ | |
| Boo | CM | 90 | | 46 | 68 | | 51 | | | | 55 | | 60 | | 43 | | 64 | | 47 | 69 | | 52 | | 34 | | 56 | | 39 | | 61 | | 48 | | |
| Boo | CQ | 90 | 62 | 47 | 59 | 44+ | 57 | 70 | 54 | 67 | 51 | 64 | 49 | 61 | 46 | 59 | 43 | 56 | 41+ | 53 | 66 | 51 | 63 | 48 | 61 | 45 | 58 | 43 | 55 | 40+ | 53 | 37+ | 50 | |
| Boo | CS | 90 | 48 | 59 | 70 | | | 46 | 57 | 68 | | | 44 | 55 | 66 | | | 42 | 53 | 64 | | | 40 | 51 | 62 | | 38 | 49 | 60 | | | 37 | | |
| Cam | SS | ES | 69s | | | 10 | | 51s | | 92 | | | 33s | | 75 | | | 16s | | 57 | | 98s | | 39 | | 80s | | | 21 | | 63s | | | |
| Cam | SV | S1 | 33+ | 52s | 41+ | 30+ | 48s | 37+ | 26+ | 45s | 34+ | 52 | 41+ | 30+ | 49 | 38+ | 56s | 45 | 34+ | 53s | 42 | 31+ | 50s | 39+ | 57 | 46s | 35+ | 54 | 43s | 32+ | 50 | 39s | 58s | |
| Cam | AK | ES | 3 | 48s | 60 | 71s | | | | | 28 | 39s | 50 | 62s | | | | | | | 30s | 41 | 53s | 64 | | | | | 32 | 43s | | 55 | | |
| Cam | AN | | | | 11 | | | | | | | | | | | | | | | | 45s | | | | 11 | | | | | | | | | |
| Cam | AT | ES | | 47 | | 56s | 26 | 66 | 35s | | 45 | | 54s | | 64 | 33s | | 43 | | 52s | | 62 | 31s | | 41 | 50s | | 60 | | | 39 | | | |
| Cnc | S | L1 | 3 | | | | | | | | 46 | | | | | | | | | 95 | | | | | | | | | 43 | | | | | |
| Cnc | RU | L1 | 2 | | | | 56 | | | | | | | | | | 73 | | | | | | | | | 91 | | | | | | | | |
| Cnc | RW | 90 | 38 | 48 | 57 | | | 31 | 40 | 50 | 59 | | | 33 | 42 | 52 | 61 | | | | 35 | 44 | 54 | | | 37 | 46 | 56 | | | 39 | 48 | | |
| Cnc | RZ | L1 | 2 | | | | | | 71\ | \ | 34s | 96/ | | | | | | | | | 53\ | \ | 16 | 78/ | | | | | | 36\ | 98s | | | |
| Cnc | TT | 90 | 29 | 41 | 54 | | | 36 | 48 | | | 30 | 43 | 56 | | | 37 | | | | | | | | | | 39 | 52 | | 33 | 46 | | | |
| Cnc | TU | ES | 3 | | | 38 | | | | | 94 | | | | | | 51 | | | | | | 7 | | | | | | 63 | | | | | |
| Cnc | TW | L1 | 2 | | | | | | | | 69\ | 75 | 82/ | | | | | | | | | | | | | | | | | | | | | |
| Cnc | UU | L1 | 2 | | | | | | | | | | | | | | | | \ | \ | \ | \ | \ | \ | \ | \ | \ | \ | \ | 81s | / | / | / | |
| Cnc | ZZ | L1 | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | 14\ | 17 | 19/ | | | |
| Cnc | AQ | 90 | 62 | | 26 | 36 | 46 | 55 | | | 29 | 39 | 49 | 59 | | | 33 | 43 | 52 | | | | | 36 | 46 | 56 | | 30 | 40 | 49 | | | | |
| CVn | W | 90 | 51 | 62 | 72 | | 38 | 48 | 58 | 69 | | 34 | 45 | 55 | 65 | | 31 | 41 | 51 | 62 | | | 38 | 48 | 58 | 69 | 34 | 45 | 55 | 65 | | | 31 | |
| CVn | Z | 90 | 49 | | 45 | | 41 | 72 | 37 | 68 | 33 | 64 | 29 | 60 | | 56 | | 53 | | 49 | | 45 | | 41 | | 37 | 68 | 34 | 64 | 30 | 61 | | 57 | |
| CVn | RS | S1 | | | | | 66s | | | | | 46s | | | | | | | 66 | | | | | 46 | | | | | | 65s | | | | |
| CVn | RZ | 90 | | 45 | 58 | 72 | | 42 | 55 | 69 | | 39 | 53 | 66 | | 36 | 50 | 63 | | 33 | 47 | 60 | | 31 | 44 | 58 | | 41 | 55 | 68 | | | 39 | |
| CMA | R | S1 | 3 | | 26 | | | | | | 37s | | | | | | 35 | 33s | | | | 30 | | | | | | | | | | | | |
| CMi | AM | ES | | | | | | | | | | | | | | | | 28 | 29 | 31 | 33 | 35 | 37 | 39 | 41 | 43 | 45 | | | | | | | |
| Cas | RX | L1 | 2 | | \ | \ | | \ | \ | 83 | / | / | / | / | | | | | | | | \ | \ | \ | \ | 0s | | / | / | / | / | | | |
| Cas | RZ | S1 | | 66 | | | | 45 | 64 | | | | | 42 | 62 | | | | | 40 | 59 | | | | | 37 | 57 | | | | 35 | | 55 | |
| Cas | SX | L1 | 2 | | | | | | | | | | | | | | | | | | | | | | | 85\ | \ | 68 | / | 51/ | | | | |
| Cas | TV | S1 | | 43 | | | | | | 68 | | | | 31 | | | | | | | | 56 | | 37 | | | | | 62 | | | | | |
| Cas | TW | S1 | | 66 | | | 52 | | | 37 | | | | 66 | | 51 | | | | 37 | | | | 66 | | 51 | | | 37 | | | | | |
| Cas | TX | ES | | 53s | | 45s | | | 38s | | | 31s | | | | 70 | | | 62 | | | 55 | | | 48 | | 41 | | | 33 | | | | |
| Cas | AQ | L1 | 3 | | | 16\ | 22s | 27/ | | | | 2\ | 8 | 13/ | | 88\ | | 94s | 99/ | | | | 74\ | 80 | 85/ | | | 61\ | 66s | 71/ | | | | |
| Cas | DN | ES | | | | | 28s | 44 | 59s | | | | | | 37 | 53s | 68 | | | | | 30 | 46s | 61 | | | | | 39s | 55 | | | | |
| Cas | GU | EU | | | | 30 | | | 40 | | | | | | | | | 68 | | | | | | | | | | | | | | | | |
| Cas | IL | ES | | | | 40 | | | | | | | 31 | | | | | | | | | | 66 | | | | | | 57 | | | | | |
| Cas | IT | EX | | | | | | | | | | 63 | | | | | | 67s | | | | | | 32 | | | | | | | | | | |
| Cas | OX | EX | | | 36 | 56s | | | | 34 | 54s | | | | 32 | 52s | | | | 30 | 50s | | | | | 48s | | | | | 45s | | | |
| Cas | PV | EX | 34 | 25s | | | | 59 | | 34 | | | | | 59 | 51s | 34 | | | | | 59 | 51s | 34 | | | | 60 | 51s | 35 | | | | |
| JD | 578 | .. | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | |

| 2017 | Mrz | P | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | |
|------|-------|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Cas | V368 | ES | | 34 | | 57s | | | | | | | | | 47s | | 69 | | | | | | | 37s | | | | | | | | | | |
| Cas | V375 | ED | 41 | | 62s | 36 | | 57s | 30 | | 51s | | | | 46s | | 67 | 41s | | 62 | 35s | | 56 | 30s | | 51 | | | 46 | | 67s | 40 | | 61s |
| Cas | V381 | EX | | | 30s | | | | 71 | | | 28s | | | | 70 | | | | | | | | 68 | | | | | | | 66 | | | |
| Cas | V459 | L1 | | | | | 25 | | | | 42s | | | | 71 | | | | | 88s | | | | 17 | | | | 33s | | | | 63 | | |
| Cep | RZ | 90 | 28+ | 51 | 44 | 36+ | 29+ | 52 | 45 | 38+ | 30+ | 54 | 46 | 39+ | 31+ | 55 | 47 | 40 | 33+ | 56 | 49 | 41 | 34+ | 57 | 50 | 42 | 35+ | 58 | 51 | 44 | 36+ | 60 | 52 | |
| Cep | VW | S1 | 35+ | 32+ | 29+ | 27+ | 38+ | 36+ | 33+ | 30+ | 28+ | 39+ | 37+ | 34+ | 31+ | 29+ | 40+ | 37+ | 35+ | 32+ | 30+ | 41+ | 38+ | 36+ | 33+ | 31+ | 42+ | 39+ | 37+ | 34+ | 32+ | 43+ | 40+ | |
| Cep | XX | S1 | 32 | | 66 | | | | | 33 | | 67 | | | | | 34 | | | 68 | | | | 35 | | 69 | | | | | 37 | | | |
| Cep | XY | ES | | | 49 | | | 27 | | | | | | | | 59 | | | | 36 | | | | | | | 69 | | | | | 46 | | |
| Cep | ZZ | S1 | | | | | | 40 | | 54 | | 68 | | | | | | | | | | | | 39 | | 53 | | | | | | | | |
| Cep | AI | ES | | 55s | | 66 | | | | | | | | | | | | | | | | | 56 | | 68s | | | | | | | | | |
| Cep | CW | EX | | | 49s | | | | 66 | | | 39 | 68s | | | 40s | | | | 58 | | | | 30 | 59s | | | | | | | 49 | | |
| Cep | EI | L1 | | | | 57 | | | | 78s | | | | | 0 | | | | | 22s | | | | 44 | | | 66s | | | | 88 | | | |
| Cep | EX | L1 | 2 | | | 28 | | | | | | | | | | | | | | 72 | | | | | | | | | | | | | 15 | |
| Cep | NN | ES | 35 | 37s | 40 | 43s | 46 | 49s | 52 | 55s | 58 | 61s | 64 | 67s | 70 | | | | | | | | | | | | | | | | | | | |
| Cet | TU | ES | 2 | 47 | | | 86 | | | | | 25 | | | | 64 | | | | | | | | | | | | | | | | | | |
| Cet | TV | L1 | | | 64 | | | | | 13s | | | | | 75 | | | | | 24s | | | | | | | | | | | | | | |
| Cet | XY | ES | 2 | 30s | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Com | S | 90 | 66 | | 42 | 59 | | 35 | 53 | 70 | 29 | 46 | 63 | | 39 | 56 | | | | 32 | 50 | 67 | | 43 | 60 | | 36 | 54 | | | | 40 | 58 | |
| Com | ST | 90 | 37 | 57 | | 37 | 57 | | 36 | 56 | | 36 | 55 | | 35 | 55 | | | | 35 | 54 | | 34 | 54 | | 34 | 53 | | 33 | | | 52 | 32 | |
| CrB | U | S1 | | 49 | | | | | | | 40 | | | | | | | | | | | | | | | | | | | | | | | |
| CrB | RV | 90 | | | | | | | | 72 | | 71 | 71 | 70 | 70 | 69 | 69 | 68 | 68 | 67 | 67 | 66 | | 66 | 65 | 65 | 64 | 64 | 63 | 63 | 62 | 62 | 61 | 61 |
| Crt | W | 90 | 2 | 52 | | | | 46 | | 52 | | | | | 47 | | | | | | | 47 | | | | | 41 | | | 47 | | | | |
| Cyg | UY | RR | | | | | | | | | 67 | | | | | | | | | | | | | | | | 69 | | | | | | | |
| Cyg | XZ | RR | | | 71 | 65 | 58 | 51 | 45 | | | 71 | 64 | 58 | 51 | 44 | | | | | | | | | | | 64 | | 58 | 51 | 44 | 38 | | |
| Cyg | BO | ES | | | 64 | | | | | | | 66 | | | | | | | | 69 | | | | | | | | | | | | | | |
| Cyg | DM | RR | | | 70 | | | 64 | | | | | 68 | | | 62 | | | | | | 66 | | | 60 | | | | 64 | | | | 57 | |
| Cyg | EM | K1 | 3 | 66 | | 70 | | | 61 | | 64 | | 68 | 55 | | 59 | | 63 | | 66 | 54 | 70 | | 57 | | 61 | | 64 | 52 | 68 | 55 | | 59 | |
| Cyg | V367 | L1 | 2 | | | | \ | \ | 44s | / | / | | | | | \ | \ | 74 | / | / | / | | | | | \ | \ | \ | 3s | / | / | | | |
| Cyg | V463 | ES | | | | | | | | | | | | 60s | 66 | | | | | | | | | | | | | | | | 54s | 60 | 66s | |
| Cyg | V477 | | | | | | | | | | | 60s | | | | 59 | | | | 64s | | | | 63 | | 68s | | | | | 67 | | | |
| Cyg | V541 | L1 | | | | | | 8s | | | | | | | | 39 | | | | | | | | 41s | | | | | | | | | 72 | |
| Cyg | V548 | ES | | | | | | | 66 | 56s | 46 | | | | | | | 68 | 59s | 49 | | | | | | | | 61s | 52 | 42s | | | | |
| Cyg | V788 | L1 | | | 94\ | 89 | 85/ | | | | | | | | | | | | | | | | | | | | | 86\ | 82 | 77/ | | | | |
| Cyg | V891 | ES | | | | | | 66 | | | 57 | | | | | | | | | | | | | | | | | | | 63 | | | 53 | |
| Cyg | V909 | ES | | | | | | | | | | | | | 58 | | | | | | | | | | | | | | | | | | | |
| Cyg | V1061 | ES | | | | | | | | | 56 | | | | | | 60 | | | | | | | | 64 | | | | | | | | 68 | |
| Cyg | V1918 | ED | 3 | 55 | 58s | 61 | 65s | 47+ | 50+ | 54s | 57 | 60s | 64 | 46+ | 50+ | 53 | 56s | 59 | 63s | 45+ | 49+ | 52s | 55 | 59s | 41+ | 44+ | 48+ | 51 | 54s | 58 | 40+ | 44+ | 47+ | 50s |
| Del | DX | 90 | | | | | | | | | 67 | | | | | | | | | | | | | | | | | | 69 | | | | | |
| Dra | RW | RR | 46 | 35 | 68 | 56 | 45 | 33 | 66 | 55 | 43 | 32 | 65 | 54 | 42 | 31 | 64 | 52 | 41 | 29 | 62 | 51 | 39 | | 61 | 49 | 38 | | | 59 | 48 | 37 | | 58 |
| JD | 578 | .. | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | |

| 2017 | Mrz | P | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | | |
|------|------|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|
| Dra | SU | RR | 53 | | 51 | | 49 | | 47 | | 45 | | 44 | | 42 | | 40 | | 38 | 70 | 36 | 68 | 34 | 66 | 32 | 64 | 30 | 63 | | 61 | | 59 | | | |
| Dra | SW | RR | 56 | 70 | 27 | 41 | 55 | 69 | 26 | 40 | 54 | 68 | | 39 | 53 | 67 | | 38 | 52 | 65 | | 36 | 50 | 64 | | 35 | 49 | 63 | | 34 | 48 | 62 | | | |
| Dra | TZ | ED | 60 | 46 | | 63s | 49s | | 66 | 53 | | 69s | 56s | | | 59 | 45 | | 62s | 49s | | 65 | 52 | | 68s | 55s | 41s | | 58 | 44 | | 61s | 48s | | |
| Dra | VZ | 90 | 49 | 45 | 41 | 37+ | 34+ | 30+ | 26+ | 55 | 51 | 47 | 44 | 40 | 36+ | 33+ | 29+ | 57 | 54 | 50 | 46 | 42 | 39 | 35+ | 31+ | 60 | 56 | 52 | 49 | 45 | 41 | 38 | 34+ | | |
| Dra | WW | S1 | 3 | | | 29 | | | | | | | | | 55 | | | | | | | | | | | | | 44 | | | | | | | |
| Dra | XZ | RR | 53 | 48 | 43 | 38 | 34 | 29 | 72 | 67 | 63 | 58 | 53 | 48 | 44 | 39 | 34 | 30 | | 68 | 63 | 58 | 54 | 49 | 44 | 40 | 35 | 30 | | 68 | 64 | 59 | 54 | | |
| Dra | AI | S1 | | | 50 | 69 | | | | 49 | 69 | | | | | 48 | | 68 | | | | | 48 | 68 | | | | | 47 | 67 | | | | | |
| Dra | BF | | 74 | | | | | | | | | | | 95 | | | | | | 37s | | | | | | 16 | | | | | | 58s | | | |
| Dra | BK | 90 | 68 | 27 | 45 | 64 | | 41 | 60 | | 37 | 56 | | 33 | 52 | 70 | 29 | 48 | 66 | | 44 | 62 | | 40 | 58 | | 36 | 54 | | 32 | 50 | | | | |
| Dra | BU | ES | | 26s | | | | | | | | | | | | 66 | | | 57s | | 49 | | 40s | | 31 | | | | | | | | | | |
| Dra | DD | 90 | 51 | 49 | 47 | 45 | 43 | 41 | 39+ | 37+ | 35+ | 33+ | 31+ | 30+ | 28+ | 58 | 56 | 54 | 52 | 50 | 48 | 47 | 45 | 43 | 41 | 39 | 37+ | 35+ | 33+ | 31+ | 62 | 60 | 58 | | |
| Dra | EX | K1 | 35+ | 40+ | 45+ | 29+ | 34+ | 39+ | 44+ | 28+ | 33+ | 38+ | 43+ | 27+ | 32+ | 37+ | 42+ | 47+ | 31+ | 36+ | 41+ | 46+ | 30+ | 35+ | 40+ | 45+ | 29+ | 34+ | 39+ | 44+ | 49 | 33+ | 38+ | | |
| Dra | GV | L1 | 3 | | | | | | | 25 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Equ | S | S1 | | | | | 71 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Gem | U | K1 | 3 | 27+ | 34+ | 40+ | 28+ | 34+ | 40 | 29+ | 35+ | 41 | 30+ | 36+ | 42 | 30+ | 36+ | 43 | 31+ | 37+ | 43 | 32+ | 38 | 44 | 33+ | 39 | 45 | 33+ | 39 | 46 | 34+ | 40 | 46 | 35 | |
| Gem | RR | 90 | 3 | 43 | | 42 | 40 | | 39 | | 38 | 57 | 36 | 55 | 35 | 54 | 34 | 53 | 32 | 51 | 31 | 50 | 30 | 49 | | 47 | | 46 | | 45 | | 43 | | | |
| Gem | RY | L1 | 3 | | | 38s | | | | | 3 | | | | 68s | | | | | | 33 | | | | 98s | | | | 63 | | | | | | |
| Gem | SV | ES | 1 | 31 | | | 32 | | | | 33 | | | | 33 | | | | 34 | | | | 35 | | | 35 | | | | | 36 | | | | |
| Gem | SZ | 90 | 3 | 39 | 40 | 40 | 40 | 41 | 41 | 41 | 41 | 42 | 42 | 42 | 42 | 42 | 43 | 43 | 43 | 43 | 44 | 44 | 44 | 44 | 44 | 44 | 45 | 45 | 45 | 45 | 46 | 46 | 46 | 46 | |
| Gem | WW | ES | | | 48s | | 34 | | | | 43s | | 29 | | 39s | | | 48 | | 34s | | | 43 | | 29s | | | 38 | | | | | | 33 | |
| Gem | YY | S1 | | 47 | 28 | 50s | 32s | 54 | 35 | 58s | 39s | | 43 | | 46s | 28s | 50 | 31 | 53s | 35s | | 38 | | 42s | | 45 | | 49s | 30s | 53 | 34 | | 38s | | |
| Gem | V339 | EU | 2 | 49 | | | 37 | | | | | | | | | | | | | | | | | | | | | | 41 | | | | | | |
| Her | TW | RR | | 52 | 72 | 52 | 72 | 52 | 72 | 52 | 72 | 52 | 51 | 71 | 51 | 71 | 51 | | 51 | | | 51 | | 50 | | 50 | | 50 | | 50 | | 50 | | 49 | |
| Her | TX | S1 | | | 44s | 47 | 50s | 53 | 56s | 59 | 62s | 65 | 68s | 71 | | | | | | | | | | | | | | | | | | | | | |
| Her | UX | ED | | 70 | | | | 58s | | | 67s | | | | 55 | | | 64 | | | | 52s | | | | 61s | | | 49 | | | | 58 | | |
| Her | VX | RR | | 59 | 50 | | 68 | 59 | 51 | | | 69 | 60 | 51 | | | 70 | 61 | 52 | | | | 62 | 53 | 44 | | | 63 | 54 | 45 | | | | 64 | |
| Her | VZ | 90 | | 63 | 52 | | 72 | 60 | 48 | | 68 | 56 | 44 | | 64 | 52 | | 61 | 49 | | 69 | 57 | 45 | | 65 | 53 | 41 | | 61 | 50 | | | 58 | | |
| Her | AK | S1 | | 62s | 67 | | 57s | 62 | 68s | 52s | 57 | 63s | 68 | 52 | 58s | 63 | 68s | 53s | 58 | 64s | 69 | 53 | 59s | 64 | 48+ | 54s | 59 | 64s | 49s | 54 | 60s | 65 | 49 | 55s | |
| Her | AR | 90 | | 49 | 43 | 37 | | 72 | 66 | 60 | 54 | 48 | 42 | 36 | | 71 | 65 | 59 | 53 | 47 | 41 | 35 | | | 64 | 58 | 52 | 46 | 40 | 34 | | | 63 | 57 | |
| Her | AW | L1 | | | 94 | | | | | | | | 74 | | | | | | | | | 54 | | | | | | | | | | | | | |
| Her | DI | L1 | | 94 | | | | | | | | | 7s | | 49 | | | | | | | | 62s | | | 4 | | | | | | | | | |
| Her | GU | EU | | | | 62s | | | | | | | | | | | 48 | | 65s | | | | 61s | | | 15 | | | 51 | | | 68s | | | |
| Her | LV | | | | | | 72 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hya | SZ | 90 | 2 | 41 | 49 | | | | 32 | 40 | 47 | | | | | 31 | 38 | 45 | | | | | 29 | 36 | 44 | | | | | | 35 | 42 | | | |
| Hya | WZ | 90 | 2 | 49 | | | | | 41 | 48 | | | | | | 40 | 47 | | | | | | 39 | 46 | | | | | 30 | 38 | 45 | | | | |
| Hya | AI | L1 | | | 60 | | | | 29s | | | | 88 | | | | 58s | | | | | | 17 | | | 87s | | | | | 46 | | | | |
| Hya | ET | 90 | 2 | 29 | | 35 | | 40 | 46 | | | | | | | 32 | | 37 | | 43 | | | | | | | | | 34 | | 40 | | | | |
| Lac | RW | L1 | | | 72s | | | | | 97 | | | | | | 9s | | | | | | 34 | | | | 46s | | | | | 71 | | | | |
| Lac | SW | S1 | | | | 69 | | | | | 70s | | | 71 | 67 | | | | 68s | 65s | | | 69 | 65 | | | | 66s | 63s | | | 67 | 64 | | |
| JD | 578 | .. | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | | |

| 2017 | Mrz | P | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | |
|------|------|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|
| Lac | UW | ES | 53 | | | | | 82 | | | | | | 11 | | | | | 40 | | | | | 69 | | | | 98 | | | | | | |
| Lac | CO | EX | | 33 | | | 62s | | | | | | 58 | 33s | | 66 | | | | | 29 | | 58s | | | 67s | | | 54 | | | | 63 | |
| Lac | CZ | 90 | | | 30 | 59 | | | | | | | | | 67 | | | 69 | 56 | | | 58 | | | 61 | | 63 | | | 65 | 52 | | | |
| Lac | V345 | EX | | | 88s | | | | | | | 38s | | | | | 22 | | 87s | | | | | 71 | | 36s | | | | | 20 | | | |
| Leo | RR | RR | 67 | 57 | 48 | 38 | 29 | 64 | 55 | 45 | 36 | | 62 | 53 | 43 | 33 | | 60 | 50 | 41 | 31 | | 57 | 48 | 38 | 29 | 55 | 45 | 36 | | | 53 | | |
| Leo | SS | RR | 3 | 45 | | | 58 | 46 | | 34 | 59 | | 47 | | 35 | 60 | | 48 | | 36 | 61 | | 49 | | 37 | | 50 | | 38 | | | | 51 | |
| Leo | ST | RR | 2 | 33 | | | 67 | 59 | 54 | 50 | 45 | 41 | 37 | 32 | | | 67 | 62 | 58 | 54 | 49 | 45 | 40 | 36 | 32 | | 38 | 62 | 57 | 53 | 49 | | 44 | |
| Leo | WY | ES | | 45 | | | | 43 | | | | | 42 | | | | | 40 | | | | | 39 | | | | | | | | | | 36 | |
| Leo | AG | ES | | | 30 | | | | | 39s | | | | | 48 | | | | | 57s | | | | | | 35s | | | | 44 | | | | |
| Leo | AM | S1 | | 47+ | 38+ | 29+ | 39+ | 31+ | 40+ | 32+ | 42+ | 33+ | 43+ | 34+ | 44+ | 35+ | 27+ | 37+ | 28+ | 38+ | 29+ | 39+ | 30+ | 40+ | 32+ | 41+ | 33+ | 43+ | 34+ | 44 | 35+ | 45s | 36+ | 46 |
| Leo | FM | EU | 3 | | | | | | | 52s | | | | | | | | | | | | | | | | 34 | | | | | | | | |
| Lyn | TY | ES | | 40 | | | | | | | | | | | 39 | | | | | | | | | | | | | 39 | | | | | | |
| Lyn | CD | ES | | | | 51 | | | | | | 34s | | 61 | | | | | | | 44s | | | | | | | | 54s | | | | | |
| Lyr | RR | RR | | 68 | | | 65 | | | | 62 | | | | 58 | | | | 55 | 68 | | | 52 | 65 | | 49 | 62 | | | 46 | 59 | | | |
| Lyr | RZ | 90 | | 58 | 61 | 63 | 65 | 67 | 70 | 72 | | | | | | | | | | | | 50 | 52 | 54 | 57 | 59 | 61 | 63 | 66 | 68 | | | | |
| Lyr | UZ | S1 | | | | | 71 | 66s | 60 | 55s | | | | | | | | | | | | | 68s | 63 | 57s | 52 | | | | | | | | |
| Lyr | CN | 90 | | 73 | 56 | | 61 | | 67 | | 55 | | 61 | | 66 | | | | 54 | | 60 | | 66 | | | 54 | 63 | 65 | | | 53 | | | |
| Lyr | EZ | RR | | | | | 56 | 61 | 67 | 72 | | | | | | 54 | 59 | | 65 | 70 | | | | | 47 | 52 | 63 | 68 | | | | | | |
| Lyr | IO | 90 | 3 | | 57 | | | | 61 | | | 65 | | | 54 | 69 | | | | 58 | | | | | 50 | 66 | | | 54 | | | | | |
| Lyr | beta | S1 | | | | 10 | | | | | 57s | | | | | | | | 4 | | | | | 51s | | | | | 98 | | | | | |
| Mon | UX | ES | 2 | 82 | | | 78s | | 73 | | | 68s | | | 63 | | | 59s | | | 54 | | 49s | | 44 | | | | 39s | | | | 35 | |
| Mon | VV | ES | 2 | 99 | | | | 2s | | 4 | | | 7s | | | 9 | | | 12s | | | 14 | | | 17s | | 20 | | | 22s | | | | |
| Mon | AQ | ES | 2 | | | 27s | | | | | 36s | | | | | | | | | | | | 36 | | | | | | | | | | | |
| Mon | AR | L1 | 1 | 71/ | | | | | | | | 62\ | 47 | 32/ | | | | | | | | | 23\ | 92/ | | | | | | | | | 83\ | |
| Mon | AV | ES | 2 | | 78s | | | 26 | | | 73s | | | | 20 | | | 68s | | | | 15 | | | 62s | | | 10 | | | 57s | | | |
| Mon | EZ | EU | 3 | 43 | | 31s | 44 | 32s | | | 33s | | | 34s | | 35s | | | | | 36s | | 37s | | 38s | | | 39s | | | | | | |
| Mon | IL | ES | 2 | | 92 | | | 95 | | | | 97 | | | | | 0 | | | | | 3 | | | 5 | | | 8 | | | | | 11 | |
| Mon | V448 | ES | | | 31s | 43s | | | | 34 | | | | 38s | | | | 29 | 41 | | | | 32s | | | | 36 | | | | | | 39s | |
| Mon | V530 | EU | 3 | 44s | | 28 | 34 | 44 | | 28s | 33s | 38s | 43s | | 27 | 32 | 37 | 42 | | | 31s | 36s | 41s | | 31 | 36 | 41 | | | 30s | 35s | | 40s | |
| Mon | V536 | | | | | | 46 | | | | | | | | | | | | | | | | | | | | 39s | | | | | | | |
| Mon | V634 | EU | | | | | | | | | | | | | | 30 | | 41 | | | | | | | | | | | | | | | | |
| Oph | U | ST | | | | 69 | | | | | 56s | | | | | 60s | | | | | | 63s | | | 66s | | | | | | | 53 | | |
| Oph | ST | 90 | 2 | | | 66 | | | 71 | 61 | | | | 66 | | | | | 62 | | | | 67 | 57 | | | 62 | | | | 68 | | 58 | |
| Ori | Z | ES | 2 | | 32 | | | | | 52 | | | | | 72 | | | | 93 | | | | | | 13 | | | | 33 | | | | | |
| Ori | BM | ES | | | | | | 91 | | | | | | | 38 | | | | | | | | | | | | 32 | | | | | | | |
| Ori | CP | ES | 2 | | | 68 | | | | | 0 | | | | | 33 | | | | | | 65 | | | 97 | | | | | | | | 29 | |
| Ori | DN | L1 | 2 | 60 | | | | | | | | | | | | 57 | | | | | | | | | | | | 53 | | | | | | |
| Ori | EW | EX | | | | | | | | | | | | | 36s | | | | | | | | | | | 29s | | | | | | | | |
| Ori | FO | L1 | 2 | | | | | | | 77 | | | | | | | | | | | | | | | | | | | 57 | | | | | |
| JD | 578 | .. | | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 |

| 2017 Mrz | | | P | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | | |
|----------|--------|----|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Ori | FT | EX | | | | | | | | | | | | 34s | 37 | | | | | | | | | | | | | | | | | | | | | |
| Ori | GG | EX | | | | | | | | 35s | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ori | V536 | ES | 2 | | 39 | | | | | | | | | | | | | | | | | | | 37 | | | | | | | | | | | | |
| Ori | V1031 | ES | 2 | | | 37 | | | | | | | | | | | 29s | | | | | | | | | | | | | | | | | | | |
| Peg | VV | RR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 66 | |
| Peg | VW | | | | | | | | | | | | | | | | | | | 82 | | | | | | | | | | | | | | | | |
| Peg | AV | RR | | | | | | | | 72 | | | | | | | | | | 70 | | | | | | | | | 68 | | 63 | | | | | |
| Peg | AW | L1 | | | 35 | | | | | 66s | | | | | 97 | | | | | | | 28s | | | | 59 | | | | | | | | | | |
| Peg | CG | 90 | | | | | | 69 | | | | | | | 70 | | | | | | | | 70 | 64 | | | | | 64 | | | | | | | |
| Peg | DF | L1 | | | | 39 | | | | | | | | | | | | | | | | 9 | | | | | | | | | | | | | | |
| Peg | GH | ES | | | | | | | | 71s | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Per | RW | L1 | 2 | | | | | | 36 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Per | RY | ES | | | | | | | | | | | | | 35 | | | | | | | | | | | | | | | | | | | | | |
| Per | AG | EX | | | | | | | | | | | | | | | | | | | | | | | | 31 | | 34 | 31s | 36 | 34s | 39 | 37s | | | |
| Per | AR | 90 | | 38 | | 51 | 36 | | 49 | 34 | | 47 | 32 | | 45 | 30 | | 42 | | | | 40 | | | 38 | | | 36 | | | | | | | 32 | |
| Per | AY | L1 | | | | | | 49 | | | | | | | | | | | | 27 | | | | | | | | | | | | | | | 5 | |
| Per | IQ | | | 26s | | | | 49s | 45 | | | | | | 46s | 42 | | | | | | | 44s | 40 | | | | | 41s | | 41s | 37 | | | | |
| Per | KN | EU | | 35 | | | 38s | | | 42 | 28 | | 45s | 31s | | | | | | 38s | | | | 41 | | | 31s | | | | | | | 38s | | |
| Per | LX | L1 | | | 37s | | | 39 | | | | | 41s | | | | | | | | 44s | | | | 46 | | | 48s | | | | | | 50 | | |
| Per | beta | S1 | | | | | | | | | | 39s | | | | | | | | | | | | | | 29 | | | | | | | | | | |
| Psc | RU | 90 | | | | 30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Psc | SS | 90 | | | | 26 | | | 27 | | 29 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sge | SY | ES | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 56 | |
| Ser | VY | RR | | 69 | | | 54 | | 68 | | | 54 | | 68 | | | 54 | | | 68 | | | 54 | | 68 | | | 54 | | | | | | | 68 | |
| Ser | AN | 90 | | | | | | 49 | 54 | 58 | 63 | 67 | 71 | | | | | | | 46 | 50 | 54 | 59 | 63 | 68 | | | | | 42 | 46 | 51 | 55 | | 60 | |
| Ser | BH | 90 | | | 67 | 53 | | 71 | 58 | 45 | | 62 | 49 | | 66 | 53 | | 70 | | 57 | 44 | | 61 | 48 | | 65 | 52 | 39 | | 57 | 44 | | 61 | 48 | | |
| Ser | EG | L1 | | | | 43s | | | | | 41 | | | | | | | | | | | 35 | | | | | 33s | | | | | | | 30 | | |
| Ser | LX | K1 | | 60 | 55+ | 50+ | 46+ | 56+ | 51+ | 47+ | | 57 | 52+ | 48+ | 58 | 54+ | 49+ | 44+ | 55+ | 50+ | 45+ | | 56 | 51+ | 46+ | 41+ | 52+ | 47+ | 42+ | 53+ | 48+ | 43+ | 54 | 49+ | 44+ | 39+ |
| Sex | T | 90 | | 36 | 33 | 31 | 28 | 58 | 55 | 53 | 50 | 47 | 45 | | 42 | 40 | 37 | 35 | 32 | | | | 54 | 51 | | 49 | 46 | 44 | 41 | 39 | | 36 | 33 | 31 | | |
| Tau | RW | S1 | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tau | CD | S1 | 3 | 38s | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tau | EN | ES | 2 | 26s | 50 | | | | | 45 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tau | V1094 | L1 | | | 24s | | | 36 | | | | | | 23s | | | 35 | | | | | | | 21s | | | 34 | | | | | | | | 20s | |
| Tri | RU | ES | 2 | | | | | | | | | | | | | | 32 | | | | | | | | | | | | | | | | | | | 30s |
| Tri | UX | 90 | | 29 | | | | | | | 29 | | | | | | | | | | | | | | | | | | | | | | | | | |
| UMa | W | S1 | | 30+ | 30+ | 30+ | 30+ | 30+ | 30+ | 30+ | 30+ | 30+ | 30+ | 31+ | 31+ | 31+ | 31+ | 31+ | 31+ | 31+ | 31+ | 31+ | 31+ | 31+ | 31+ | 32+ | 32+ | 32+ | 32+ | 32+ | 32+ | 32+ | 32+ | 32+ | 32+ | |
| UMa | RV | RR | | 39 | 32 | 26 | 66 | 60 | 54 | 47 | 41 | 35 | 28 | 69 | 62 | 56 | 49 | 43 | | 37 | 30 | | 64 | 58 | | 52 | 45 | 39 | 32 | | 66 | 60 | 54 | 47 | 41 | 34 |
| UMa | RW | ES | | | | | | | 62 | | | | | | | | | | | | | | | | | | | | | | | | | | | 61 |
| UMa | TU | RR | | 61 | 73 | 29 | 40 | 52 | 63 | | 30 | 42 | 53 | 65 | | 32 | 44 | 55 | | 67 | | 34 | 46 | 57 | | 69 | | 36 | 48 | 59 | | | 38 | 50 | 61 | |
| JD | 578 .. | | | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | | 44 | |

| 2017 | Apl | P | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | |
|------|------|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|
| Boo | AC | ED | 37+ | 43+ | 31+ | 37+ | 43+ | 31+ | 37+ | 42+ | 48+ | 36+ | 42+ | 48+ | 36+ | 41+ | 47+ | 35+ | 41+ | 47+ | 35+ | 41+ | 46+ | 34+ | 40+ | 46+ | 34+ | 40+ | 45+ | 51s | 39+ | 45+ | |
| Boo | CM | 90 | | 53 | | 35 | 57 | | 40 | 62 | | 44 | 66 | | 49 | | | 53 | | 36 | 58 | | 41 | 63 | | 45 | | 50 | | | 54 | | |
| Boo | CQ | 90 | 63 | 47 | 60 | 45 | 57 | 42 | 55 | 39 | 52 | 37+ | 49 | 34+ | 47 | 59 | 44 | 57 | 41 | 54 | 39 | 51 | 36+ | 49 | 61 | 46 | 59 | 43 | 56 | 41 | 53 | 38 | |
| Boo | CS | 90 | 47 | 58 | | | 35 | 45 | 56 | | | 33 | 43 | 54 | 65 | | | 41 | 52 | 63 | | | 39 | 50 | 61 | | 37 | 48 | 59 | | | | |
| Cam | SS | ES | | 4 | | 45s | | 86 | | | 27s | | 68 | | | 9s | | 51 | | 92s | | | 33 | | 74s | | 15 | | 56s | | 97 | | |
| Cam | SV | S1 | 47 | 36+ | 54s | 43 | 32+ | 51s | 40 | 58 | 47s | 36+ | 55 | 44s | 33+ | 52 | 40s | 59s | 48 | 37s | 56s | 45 | 34+ | 52s | 41 | 60 | 49s | 38 | 56 | 45s | 53 | | |
| Cam | AK | ES | 3 | 66s | | | | | | 34s | 45 | 57s | | | | | | | | 36 | 47s | 59 | | | | | | | 38s | 49 | 61s | | |
| Cam | AN | | | | | | | | | | 45s | | | | 10 | | | | | | | | | | | | | | | | 44s | | |
| Cam | AT | ES | | 48s | | 57 | 67s | 37 | | 46s | | 55 | | 65s | 35 | | 44s | | 53 | | 63s | | | 42s | | 51 | | 61s | | 40s | | | |
| Cnc | S | L1 | 3 | | | | | 92 | | | | | | | | | | 40 | | | | | | | | | 89 | | | | | | |
| Cnc | RU | L1 | 2 | | | | 8 | | | | | | | | | | 25 | | | | | | | | | | 42 | | | | | | |
| Cnc | RW | 90 | | 57 | | | 31 | 40 | 50 | | | 33 | 42 | 52 | | | | 35 | 44 | 54 | | | | 37 | 46 | | | | 39 | 48 | | | |
| Cnc | RZ | L1 | 2 | 60/ | | | | | | | 18\ | 80 | / | 42/ | | | | | | | 00\ | \ | 62s | / | 25/ | | | | | | | 82\ | |
| Cnc | TT | 90 | | 40 | | | | 35 | 47 | | | | 42 | | | | 36 | | | | | 43 | | | 38 | | | | | | | | |
| Cnc | TU | ES | 3 | 19 | | | | 75 | | | | | | 31 | | | | | 87 | | | | | | 44 | | | 0 | | | | | |
| Cnc | UU | L1 | 2 | / | / | / | / | / | / | / | / | / | | | | | | | | | | | | | | | | | | | | | |
| Cnc | AQ | 90 | 33 | 43 | 53 | | | | | 37 | 46 | | | | 40 | 50 | | | | | | | 34 | 43 | | | 37 | 47 | | | | 40 | |
| CVn | W | 90 | 41 | 52 | 62 | | | 38 | 48 | 58 | | | 34 | 45 | 55 | 65 | | | | | | | 41 | 52 | 62 | | 38 | 48 | 59 | | | | |
| CVn | Z | 90 | | 53 | | 49 | | 45 | | 41 | | 38 | | 34 | 65 | | 61 | | | | | 57 | | 53 | | 49 | 46 | | 42 | | | | |
| CVn | RS | S1 | | | 45s | | | | | | | 65 | | | | | 44 | | | | | | | 64s | | | | 44s | | | | | |
| CVn | RZ | 90 | 52 | 66 | | 36 | 49 | 63 | | 33 | 46 | 60 | | | 44 | 57 | | | 41 | 54 | | | | 38 | 51 | | 35 | 49 | 62 | | 46 | | |
| Cas | RX | L1 | 2 | | | | | \ | \ | \ | \ | 17 | / | / | / | / | | | | | | | | \ | \ | \ | \ | 34s | / | / | / | / | |
| Cas | RZ | S1 | | | | | 33 | 52 | | | | | | 50 | | | | | | 47 | | | | | 45 | | | | | | | 43 | |
| Cas | TV | S1 | | | | | | | | 50 | | | | | | | | 56 | | | | | | | | | | 62 | | 43 | | | |
| Cas | TW | S1 | 65 | | | 51 | | | 37 | | | | 65 | | 51 | | | 37 | | | | | | | 51 | | | 36 | | | | | |
| Cas | TX | ES | | | | | 65s | | | 58s | | | 50s | | 43s | | | 36s | | | | | | | | | | 60 | | | 53 | | |
| Cas | AQ | L1 | 3 | 47\ | 52 | 57/ | | | | 33\ | 38s | 43/ | | | 19\ | 24 | 30/ | | | | 5\ | | 10s | 16/ | | | 91\ | 96 | / | 2/ | | | |
| Cas | DN | ES | | | | 32s | 48 | 64s | | | | | | 41 | 57s | | | | | | 35 | 50s | | | | | | 43s | 59 | | | | |
| Cas | GG | ES | | | | | | | | | | | | | | | | | | | | | | 59 | | | | | | | | | |
| Cas | GU | EU | | | | | | | 33 | | | | | | | | | 61 | | | | | | | | | | | | | | | |
| Cas | IL | ES | | | | 47 | | | | | | | 37 | | | | | | | | | | | | | | | | | 63 | | | |
| Cas | IT | EX | | | | | | | | | | | | | | | | | | 60 | | | | | | 64s | | | | 54s | | | |
| Cas | OX | EX | | | 43s | | | | | 41s | | | | | 39s | | | | | | | | | | 35s | 64 | | | | 62 | | | |
| Cas | PV | EX | | | 60 | 51s | 35 | | | | | 60 | 52s | | | | | 60 | 52s | | | | | | | 60 | 52s | | | | | | |
| Cas | V368 | ES | | 50 | | | | | | | | | 40 | | 63s | | | | | | | | | | | | | | | | | | |
| Cas | V375 | ED | 35 | | 56s | | | 51s | | 46s | | | | 40s | | 61 | 35s | 56 | | | | 51 | | | 45 | | | 40 | | 61s | 35 | | |
| Cas | V381 | EX | | | | 65 | | | | | | | 63 | | | | | | | | | | | | | | 60 | | | | | | |
| Cas | V459 | L1 | | | 79s | | | | | 8 | | | | 25s | | | | 54 | | | | 71s | | | | 0 | | | | | 17s | | |
| Cep | RZ | 90 | 45 | 37 | 61 | 54 | 46 | 39 | 62 | 55 | 47 | 40 | 32+ | 56 | 49 | 41 | 34+ | 57 | 50 | 42 | 35 | 58 | 51 | 44 | 36 | 60 | 52 | 45 | 37 | 61 | 53 | 46 | |
| JD | 578 | .. | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | |

| 2017 | Apl | P | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | |
|------|-------|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|
| Cep | VW | S1 | 38+ | 35+ | 33+ | 44+ | 41+ | 39+ | 36+ | 33+ | 45+ | 42+ | 40+ | 37+ | 34+ | 46+ | 43+ | 41+ | 38+ | 35+ | 33+ | 44+ | 42+ | 39+ | 36+ | 34+ | 45+ | 43+ | 40+ | 37+ | 35+ | 46+ | |
| Cep | XX | S1 | | | | | 38 | | | | | | | 39 | | | | | | | | | | | | | | 41 | | | | | |
| Cep | XY | ES | | | | | | | | 56 | | | 34 | | | | | | | | | | | 43 | | | | | | | | | |
| Cep | ZZ | S1 | | | | | 38 | | | | | | | | | | | | | | | | | 52 | | | | | | | | | |
| Cep | AI | ES | | | | | | | 46 | | 58s | | | | | | | | | | | | | | | | | 48s | | 59 | | | |
| Cep | CW | EX | | 51s | | | | | | | 41 | | | | 42s | | | | 60 | | | | 61s | | | 34s | | | | | | 51 | |
| Cep | EI | L1 | | | 10s | | | | | 32 | | | 54s | | | | 76 | | | | | | | | | 20 | | | | | | 42s | |
| Cep | EX | L1 | 2 | | | | | | | | | | | | 59 | | | | | | | | | | | | | | 2 | | | | |
| Cep | NN | ES | | | | 31s | 34 | 37s | 39 | 42s | 45 | 48s | 51 | 54s | 57 | 60s | 63 | | | | | | | | | | | | | | | | |
| Com | S | 90 | | 34 | 51 | | | 44 | 61 | | 37 | 55 | | | 48 | 65 | | 41 | 59 | | | 35 | 52 | | | 45 | 63 | 39 | 56 | | | 49 | |
| Com | ST | 90 | 52 | | 31 | 51 | | 31 | 51 | | | 50 | | | 50 | | | 49 | | | | 48 | | | | 47 | | | | | | 47 | |
| CrB | U | S1 | | 56 | | | | | | | 47 | | | | | | | 37 | | | | | | | | | | | | | | | |
| CrB | RV | 90 | 60 | 60 | 59 | 59 | 58 | 58 | 57 | 57 | 56 | 56 | 55 | 55 | 54 | 54 | 53 | 53 | 52 | 52 | 51 | 51 | 50 | 50 | 49 | 49 | 48 | 48 | 47 | 47 | 46 | 46 | |
| Crt | W | 90 | 2 | 42 | | | | 36 | | 42 | | | | | 37 | | 43 | | | | | | | | | | | | 38 | | | | |
| Cyg | UY | RR | | | | | 59 | | | | | 63 | | | | 56 | | | | | | | | | | 53 | | | | | | 58 | |
| Cyg | XZ | RR | | 64 | 57 | 51 | 44 | 37 | | | 64 | 57 | 51 | 44 | 37 | | | 57 | 51 | 44 | 37 | | | 64 | 57 | 51 | 44 | 37 | | | | 57 | |
| Cyg | BO | ES | | 62s | | | | | | 64s | | | | | | | | 54 | | | | | | | | 57 | | | | | | | 59 |
| Cyg | BR | ES | | | | | | | | | | | | | | | | | | | | | | | | 37 | | | | | | 37s | |
| Cyg | DM | RR | | 67 | | | 61 | | 55 | | 65 | | | 59 | | | 53 | | 63 | | | 57 | | | | 51 | 61 | | 54 | | | | |
| Cyg | EM | K1 | 3 | 63 | 50 | 66 | 54 | 57 | | 61 | 48 | 64 | 52 | | 55 | | 59 | 46 | 63 | 50 | | 54 | | 57 | 44 | 61 | 48 | 64 | 52 | | 55 | 43 | |
| Cyg | V367 | L1 | 2 | \ | \ | 33 | / | / | | | | | \ | \ | 63s | / | / | | | | | \ | \ | 93 | / | / | / | | | | | \ | \ |
| Cyg | V463 | ES | | | | | | | | | | | | | | | 48s | 54 | 60s | 65 | | | | | | | | | | | | | |
| Cyg | V477 | | | | | | | | | | | | | | | | | | | | | | | | | 49 | | 54s | | | | 53 | |
| Cyg | V541 | L1 | | | | | 75s | | | | | | | | 6 | | | | | | | | 9s | | | | | | | | | 40 | |
| Cyg | V548 | ES | | | | 64s | 54 | 44s | | | | | | | 57 | 47s | | 37 | | | | | | | | 59 | 50s | 40 | | | | | |
| Cyg | V788 | L1 | | | | | | | | | | | | | | | | | | | | 78\ | 74 | 70/ | | | | | | | | | |
| Cyg | V891 | ES | | | | | | | | | | | | | | | | | | | | 59 | | | | 50 | | | | | | | |
| Cyg | V909 | ES | | | | 62s | | | | | | 64 | | | | | | | | | | 65s | | | | 46s | | | 47 | | | | |
| Cyg | V1061 | ES | | | | | | | | | | | | | | | | | | | | | | | | 49 | | | | | | | |
| Cyg | V1918 | ED | 3 | 53 | 57s | 39+ | 43+ | 46+ | 49 | 53s | 56 | 39+ | 42+ | 45+ | 48s | 52 | 55s | 38+ | 41+ | 44+ | 48 | 51s | 54 | 37+ | 40+ | 43+ | 47s | 50 | 53s | 36+ | 39+ | 42+ | 46 |
| Del | DX | 90 | | | 67 | 61 | | | | | | | | 65 | 59 | | | | | | | | 63 | 57 | | | | | | | | | 61 |
| Dra | RW | RR | | 47 | 35 | | 57 | 45 | 34 | | 55 | 44 | 33 | 65 | 54 | 43 | | 64 | 53 | 41 | | 63 | 51 | 40 | | 61 | 50 | 38 | | 60 | 48 | 37 | |
| Dra | SU | RR | | 57 | | 55 | | 53 | | 51 | | 49 | | 48 | | 46 | | 44 | | 42 | | 40 | | 38 | | 36 | | 34 | | | | | 63 |
| Dra | SW | RR | | 33 | 47 | 61 | | 31 | 45 | 59 | | 44 | | 58 | | 43 | 57 | | | | 42 | 56 | | | 40 | 54 | | 39 | 53 | | | | 38 |
| Dra | TZ | ED | | | 64 | 51 | 37 | 67s | 54s | 40s | | 57 | 43 | | 60s | 47s | | 63 | 50 | 36 | | 53s | 39s | | 56 | 43 | | 46s | | 62 | 49 | 35 | |
| Dra | VZ | 90 | | 62 | 59 | 55 | 51 | 48 | 44 | 40 | 36 | 33+ | 61 | 57 | 54 | 50 | 46 | 43 | 39 | 35 | 64 | 60 | 56 | 53 | 49 | 45 | 41 | 38 | 34 | 63 | 59 | 55 | 51 |
| Dra | WW | S1 | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dra | XZ | RR | | 50 | 45 | 40 | 35 | 31 | | | 64 | 60 | 55 | 50 | 45 | 41 | 36 | | | | | 65 | 60 | 55 | 51 | 46 | 41 | 37 | | | | 61 | 56 |
| Dra | AI | S1 | | | 47 | 66 | | | | | 46 | 66 | | | | | | | | | | | | | | | | 44 | 64 | | | | |
| JD | 578 | .. | | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 |

| 2017 | Apl | P | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | |
|------|------|----|-----|-----|-----|-----|-----|-----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|-----|-----|----|----|-----|-----|----|-----|-----|-----|-----|----|
| Leo | WY | ES | | | | | 35 | | | | | 33 | | | | | | | | | | | | | | | | | | | | | |
| Leo | AG | ES | | | 53s | | | | | | | | | | | | 40 | | | | | 49s | | | | | | | | | | | |
| Leo | AM | S1 | 38+ | 47s | 39+ | 49 | 40+ | 31+ | 41 | 33+ | 42s | 34+ | 44 | 35+ | 45s | 36+ | 46 | 37+ | 47s | 39 | 48 | 40s | 49s | 41 | 51 | 42s | 34+ | 43 | 35s | 44s | 36 | 46 | |
| Leo | FM | EU | 3 | | | 43s | | | | | | | | | | 53 | | | | | | | | | | | | | | | | | |
| Lyn | TY | ES | | | | | | | | | 38 | | | | | | | | | | | | 38 | | | | | | | | | | |
| Lyn | CD | ES | | | | 36 | | | | | | | | | 46 | | | | | | | | | | | | | | | | | 38s | |
| Lyr | RR | RR | | | 56 | | | | 53 | 66 | | | 49 | 63 | | | 46 | 59 | | | 43 | 56 | | | 40 | 53 | | | | 50 | 63 | | |
| Lyr | RZ | 90 | | | | | | | | | 44 | 46 | 48 | 50 | 53 | 55 | 57 | 59 | 62 | 64 | | | | | | | | | | | 38 | 40 | |
| Lyr | UZ | S1 | | | | | | | | | 65 | 59s | 54 | 48s | 43 | | | | | | | | | | | | | | 61s | 56 | 51s | 45 | |
| Lyr | CN | 90 | 59 | | 64 | 47 | | 52 | | 58 | | 64 | 46 | | 52 | | 57 | | 63 | 45 | | 51 | | 57 | | 62 | 45 | | 50 | | 56 | | |
| Lyr | EZ | RR | | 45 | 50 | 55 | 61 | 66 | | | | | | 43 | 48 | 53 | 59 | 64 | | | | | 41 | 46 | 51 | 57 | | 62 | | | | | |
| Lyr | IO | 90 | 3 | 58 | | | 47 | 62 | | | 51 | 66 | | 55 | | | 44 | 59 | | | 48 | 63 | | | 52 | | 40 | 55 | | | 44 | | |
| Lyr | beta | S1 | | | | 45s | | | | | | 92 | | | | | | | 39s | | | | | | 86 | | | | | | 33s | | |
| Mon | UX | ES | 2 | | | 30s | | 25 | | | 20s | | | 16 | | | 11s | | | 6 | | | 1s | | 97 | | | | | | | | |
| Mon | VV | ES | 2 | 25 | | | 27s | | 30 | | | 32s | | | 35 | | | 37s | | | | | | | | | | | | | | | |
| Mon | AQ | ES | 2 | | | | 36s | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mon | AR | L1 | 1 | 68 | 53/ | | | | | | | | 43\ | 28s | 13/ | | | | | | | | | | | | | | | | | | |
| Mon | AT | ES | 2 | | | | 33 | 36 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mon | AV | ES | 2 | | | 5 | | 52s | | | 99 | | | | | | | 94 | | | | | | | | 41s | | | | | | | |
| Mon | EZ | EU | 3 | | | | | | | | | | | | | | | 33 | | | | | | | | | | | | | | | |
| Mon | IL | ES | 2 | | | | 13 | | | 16 | | | | 18 | | | | 21 | | | | | | | | 26 | | | | | | | |
| Mon | V448 | ES | | | | | 31 | | | | | 34s | | | | | | | | | | | | | | | | | | | | | |
| Mon | V530 | EU | 3 | | | | 34 | 39 | | | | 33s | 39s | | | 33 | | | | | | | | | | | | | | | | | |
| Mon | V634 | EU | | | 33 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Oph | U | ST | | | | 56 | | | | | 60 | | | | | 63 | 47s | | | | | | 50s | | | | 53s | | | | | 56s | |
| Oph | ST | 90 | 2 | | | | 63 | 53 | | | | | | | 64 | 54 | | | | 59 | 49 | | | 64 | 55 | | | 60 | 50 | | | | |
| Ori | Z | ES | 2 | | 54 | | | | 74 | | | | | 94 | | | | | | | 15 | | | | | | | | | | | | |
| Ori | BM | ES | | 79 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ori | CP | ES | 2 | | | | 61 | | | | | | | | | | 25 | | | | | | 57 | | | | 89 | | | | | | |
| Ori | DN | L1 | 2 | | | | | | | | | 50 | | | | | | | | | | | | | | | | | | | | | |
| Ori | FT | EX | | 39s | 43 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Peg | VV | RR | | | | | | | | | | | | | | | | | | | | | 64 | 62 | 59 | | | | | | | | |
| Peg | VW | | | | | | | | | 89 | | | | | | 61s | | | | | | | | | | | | | | 96 | | | |
| Peg | AV | RR | | | | | 66 | 61 | | | | | | | | 64 | 59 | | | | | | | 62 | | 57 | | | | | | | |
| Peg | AW | L1 | | | | | 22 | | | | | 53s | | | | 84 | | | | | | | 15s | | | | 46 | | | | | 77s | |
| Peg | BH | 90 | | | | | | | | | | | | | | | | 64 | | | | | | | | | | 61 | | | | | |
| Peg | CG | 90 | | | | 65 | | | | | | 66 | 59 | | | | | | | | | | | | | | 61 | 54 | | | | | |
| Peg | DF | L1 | | | 78 | | | | | | | | | | | | | | 48 | | | | | | | | | | | | | | |
| Peg | DH | RR | 3 | | | | | | | | | | | | | | | | | | | | | | | | 63 | | | | | | |
| JD | 578 | .. | | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 |

| 2017 | Apl | P | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | | |
|------|-------|----|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Peg | GH | ES | | | | | | | | 66 | | | | | | | | | 61s | | | | | | | | | | | | | | | |
| Peg | IP | K1 | | | | | | | | | | | | | | | | | | | | | | | 63 | | | 64 | | | | | | |
| Per | RW | L1 | 2 | 76 | | | | | | | | | | | 96 | | | | | | | | | | | | | | | | | | | |
| Per | RY | ES | | | | | | 37s | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Per | AR | 90 | | 45 | | | 42 | | 40 | | | 38 | | | 36 | | | 34 | | | | | | | | | | | | | | | | |
| Per | AY | L1 | | | | | | | | | | 82 | | | | | | | | | | | | 60 | | | | | | | | | | |
| Per | IQ | | | | 39s | 35 | | | | | | 36s | 32 | | | | | 34s | | | | | | | | | | | | | | | | |
| Per | KN | EU | | | | | | 31s | | | 34 | | | | | | | | | | | | | | | | | | | | | | | |
| Per | LX | L1 | | | | 52s | | | 54 | | | | 56s | | | 58 | | | | | | 60s | | | 62 | | | | | | | | | |
| Per | beta | S1 | | 33s | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sge | SY | ES | | | | | | 64 | | | | | | | | | | | | | | | 56s | | | | | | | | | | | |
| Ser | VY | RR | | | 53 | | | | | 53 | | | | | 53 | | | 39 | | 53 | | | 39 | | 53 | | | 39 | | 53 | | | | |
| Ser | AN | 90 | | 64 | | | | | 38 | 43 | 47 | 52 | 56 | 60 | 65 | | | | | | 39 | 44 | 48 | 52 | 57 | 61 | | | | | | 35 | | |
| Ser | BH | 90 | | 65 | 52 | 39 | | 56 | 43 | 60 | 47 | 34 | 64 | 51 | 38 | | 56 | | | | 60 | 47 | 34 | 64 | 51 | 38 | | 55 | | 42 | 59 | 46 | | |
| Ser | EG | L1 | | 27s | | | | | 25 | | | | | | 22s | | | 19 | | | | | | 17s | | | | | 14 | | | | | |
| Ser | LX | K1 | | 50+ | 45+ | 40+ | 51+ | 46+ | 41+ | 36+ | 47+ | 42+ | 37+ | 48+ | 43+ | 38+ | 49+ | 44+ | 39+ | 34+ | 45+ | 40+ | 35+ | 46+ | 41+ | 36+ | 47+ | 42+ | 37+ | 48+ | 43+ | 38+ | 49 | |
| Sex | T | 90 | | 50 | 48 | 45 | 42 | | 40 | 37 | 35 | 32 | | | | | | | 46 | 44 | 41 | 39 | 36 | 34 | | | | | | | | | 43 | |
| Tau | EN | ES | 2 | | | | | | | | | | | | 39s | | | | | | | | | | | | | | | | | | | |
| Tau | V1094 | L1 | | 32 | | | | | | 19s | | 31 | | | | | | | | | | | | | | | | | | | | | | |
| UMa | W | S1 | | 32+ | 33+ | 33+ | 33+ | 33+ | 33+ | 33+ | 33+ | 33+ | 33+ | 33+ | 33+ | 34+ | 34+ | 34+ | 34+ | 34+ | 34+ | 34+ | 34+ | 34+ | 34+ | 34+ | 35+ | 35+ | 35+ | 35+ | 35+ | 35+ | 35+ | |
| UMa | RV | RR | | | 62 | 56 | 49 | | 43 | 37 | | 64 | 58 | 51 | 45 | 39 | | | | 60 | 54 | 47 | 41 | 34 | | | 62 | | 56 | 49 | 43 | 36 | | |
| UMa | RW | ES | | | | | | | | | 60s | | | | | | | | | | | | | | | | | | | | | | | 58s |
| UMa | TU | RR | | 40 | 51 | 63 | | | 42 | 53 | 65 | | 32 | 44 | 55 | | | | 34 | 46 | 57 | | | 36 | 47 | 59 | | | 38 | 49 | 61 | | | |
| UMa | TX | S1 | 3 | 58 | | | 65 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| UMi | W | S1 | 3 | 37 | | | | | 47 | | | | 58 | | | | | | | | 38 | | | | | 48 | | | | | | | 59 | |
| Vir | ST | 90 | 2 | 57 | 39 | 62 | 45 | | 50 | | 55 | 38 | 61 | 43 | 66 | 48 | 54 | | 36 | 59 | 41 | 65 | 47 | | 52 | 34 | 58 | 40 | 63 | 45 | | 51 | | |
| Vir | AG | ED | | 52s | 49 | 45s | 42 | 38s | 34 | 63 | 59s | 56 | 52s | 49 | 45s | 41 | 38s | 34 | | 59s | 55 | 52s | 48 | 45s | 41 | 37s | 34 | | | 55 | 52s | 48 | 44s | |
| Vir | AH | S1 | | 31+ | 33+ | 35+ | 37+ | 39+ | 41+ | 42+ | 44 | 46s | 48 | 50s | 32+ | 33+ | 35+ | 37+ | 39+ | 41 | 43s | 45 | 47s | 48 | 50s | 52 | 34+ | 36+ | 38+ | 39s | 41 | 43s | 45 | |
| Vir | AT | 90 | 2 | 58 | | | | | | 37 | 42 | 47 | 52 | 57 | | | | | | 36 | 41 | 46 | 51 | | | | | | | 35 | 40 | 45 | 50 | |
| Vir | AV | 90 | | 40 | | | 37 | | 34 | 65 | | 62 | | 59 | | 56 | 53 | | | 51 | | 48 | | 45 | | 42 | | 39 | | 36 | | | | |
| Vir | CG | ES | | | 64s | 57s | 51s | | 44s | 38s | | 65 | | 59 | 52 | 46 | 39 | | | | 60s | 54s | 47s | 41s | 34s | | | 62 | | 55 | 49 | 42 | 36 | |
| Vul | Z | S1 | | | | | | | | | | | | | | | | | | | | 65 | | | | 56 | | | | | | | 47 | |
| Vul | RR | ES | | | | | | | | | | | | | | | | | | | | 52 | | | | | 57 | | | | | | 62 | |
| Vul | BN | 90 | | 59 | | | 57 | | | 54 | | 51 | | | | | | | | 64 | | 61 | | | | 58 | | 55 | | | 52 | | | |
| Vul | DR | EX | | | | | | | 67 | | | | | | | | | | | | | | | 50s | | | | | | | | | 51s | |
| Vul | EV | ES | | | | | | | | | | | | | 63 | | | | | | | | | | | | | | | | | | 56 | |
| JD | 578 | .. | | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | |

| 2017 | Mai | P | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | | | |
|------|------|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|--|
| CVn | W | 90 | | | 41 | 52 | 62 | | | 38 | 48 | 59 | | | | 45 | 55 | | | | | 41 | 52 | | | 38 | 48 | 59 | | | | 45 | 55 | | | |
| CVn | Z | 90 | | 61 | | 57 | | 53 | | 50 | | 46 | | 42 | | 38 | | | | | | 61 | | 57 | 54 | | 50 | | 46 | | 42 | | 38 | | | |
| CVn | RS | S1 | | | | 63 | | | | | 43 | | | | | | | | | | | | 43s | | | | | | | | | | | | | |
| CVn | RZ | 90 | 59 | | | 43 | 57 | | | 40 | 54 | | | 37 | 51 | | | | 48 | | | | 45 | 59 | | | 42 | 56 | | | 40 | 53 | | | | |
| Cas | RX | L1 | 2 | | | | | | | \ | \ | \ | \ | 51 | / | / | / | / | | | | | | | | \ | \ | 68s | / | / | / | / | | | | |
| Cas | RZ | S1 | | 62 | | | | 40 | 60 | | | | | 38 | 57 | | | | | | | | | | | | 53 | | | | | | 50 | | | |
| Cas | SX | L1 | 2 | 41\ | \ | 24 | / | 7/ | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cas | TV | S1 | | | | | | | 50 | | | | | | | | | 56 | | | | | | | | | | | 44 | | | | | | | |
| Cas | TW | S1 | | | | 51 | | | 36 | | | | | | 50 | | | | | | | | | | | 50 | | | | | | | | | | |
| Cas | TX | ES | | | 45 | | | 38 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cas | AQ | L1 | 3 | 77\ | 82s | 88/ | | | 63\ | 68 | 74/ | | | | 49\ | 54s | 60/ | | | | | 35\ | 40 | 46/ | | 21\ | 26s | 32/ | | | | 7\ | \ | | | |
| Cas | BM | L1 | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cas | DN | ES | | | | 37s | 52 | | | | | | | 46 | 61s | | | | | | | 39 | 54s | | | | | 48s | | | | | | | | |
| Cas | GG | ES | | | | | | | | 62 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cas | GU | EU | | | | | | | | | | | | | | 45 | | 54 | | | | | | | | | | | | | | | | | | |
| Cas | IL | ES | | | | | 53 | | | | | | | 44 | | | | | | | | | | | | | | | | | | | | | | |
| Cas | IT | EX | | | | | | | | | | | | | | | | | | | | | | | | | | 56 | | | | | | 46 | | |
| Cas | OX | EX | | | | 60 | | | | | 57 | | | | | 55 | | | | | | | | | | 51 | | | | | | | | | | |
| Cas | PV | EX | | 60 | 52s | | | | | 61 | 52s | 36 | | | | | 61 | 53s | | | | | | 61 | 53s | | | | | | | | | 53s | | |
| Cas | V368 | ES | | 44s | | | | | | | | | | 57 | | | | | | | | | | 47 | | | | | | | | | | | | |
| Cas | V375 | ED | | 56s | | | 50s | | 45s | | | 40s | | 61 | | | 55 | | | 50 | | | 45 | | | 39 | 60s | | | | 55s | | | | | |
| Cas | V381 | EX | | | 58 | | | | | | 57 | | | | | | | 55 | | | | | | 61s | 53 | | | | | | 60s | 52 | | | | |
| Cas | V459 | L1 | | | | 46 | | | 62s | | | | 92 | | | | | 8s | | | | | | | | 54s | | | | | | | | | | |
| Cep | RZ | 90 | 39 | 62 | 55 | 47 | 40 | | 56 | 48 | 41 | | 57 | 50 | 42 | | 58 | 51 | 43 | | 59 | 52 | 45 | 37 | 61 | 53 | 46 | 38 | | 54 | 47 | 40 | | | | |
| Cep | VW | S1 | 43+ | 41+ | 38+ | 36+ | 47+ | 44+ | 42+ | 39+ | 37+ | 48+ | 45+ | 43+ | 40+ | 38+ | 49 | 46+ | 44+ | 41+ | 39+ | 50 | 47+ | 45+ | 42+ | 40+ | 37+ | 48s | 46+ | 43+ | 40+ | 38+ | 49s | | | |
| Cep | XX | S1 | | | 43 | | | | | | | 44 | | | | | | | | | | | | | | 46 | | | | | | | | 47 | | |
| Cep | XY | ES | | | 53 | | | | | | | | | | | | | | | | | | | | | | | | 50 | | | | | | | |
| Cep | ZZ | S1 | | | | | 37 | | 51 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cep | AI | ES | | | | | | | | | | | | | 38s | | 49 | | | | | | | | | | | | | | | | | | | |
| Cep | CW | EX | | | 53s | | | | | | 43 | | | | | 44s | | | | | | | | | | | | | | | | | | | 53 | |
| Cep | EI | L1 | | 64 | | | | 86s | | | | | 8 | | | | 30s | | | | | | | | | 74s | | | 96 | | | | | | | |
| Cep | EX | L1 | 2 | | | | | | | | | 46 | | | | | | | | | | | | | | 89 | | | | | | | | | | |
| Cep | NN | ES | | | | | | | | | | | 36s | 39 | 41s | 44 | 47s | 50 | 53s | 56 | 59s | | | | | | | | | | | | | | | |
| Com | S | 90 | | | 42 | 60 | | 36 | 53 | | | 46 | | | 40 | 57 | | | | | | | | | | | | 47 | | | | | 41 | | | |
| Com | ST | 90 | 46 | | | 46 | | | 45 | | | 45 | | | | 44 | | 44 | | | | | | | | 43 | | 42 | | | | | | 42 | 41 | |
| CrB | U | S1 | | | 63 | | | | | | | 54 | | | | | | | 44 | | | | | | | | | | | | | | | | | |
| CrB | RV | 90 | 45 | 45 | 44 | 44 | 43 | 43 | 42 | 42 | 41 | 40 | 40 | 39 | 39 | 38 | 38 | 37 | 37 | | | | | | | | | | | | | | | | | |
| Crt | W | 90 | 2 | | | 38 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cyg | UY | RR | | 50 | 62 | | | | 55 | | | | 47 | 59 | | | | | 52 | | | | | 44 | 56 | | | 49 | 61 | | | 41 | 54 | | | |
| JD | 578 | .. | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | | | | | | | | | |
| JD | 579 | .. | | | | | | | | | | | | | | | | | | | | | | | | | | 00 | 01 | 02 | 03 | 04 | 05 | | | |

| 2017 | Mai | P | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | | | |
|------|-------|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|--|
| Cyg | XZ | RR | 50 | 44 | 37 | | | | 57 | 50 | 44 | 37 | | | | 57 | 50 | 44 | 37 | | | | 57 | 50 | 43 | 37 | | | 57 | 50 | 43 | | | | | |
| Cyg | BO | ES | 47s | | | | | | 62 | 50s | | | | | | | 52s | | | | | | | 55s | 42 | | | | | 57s | 45 | | | | | |
| Cyg | BR | ES | 37 | | 37s | | 37 | | 37s | | 36 | | 36s | | 36 | | | | | | | | | | | | | | | | | | | | | |
| Cyg | DM | RR | 48 | | 58 | | | 52 | | 62 | 46 | | 56 | | | 50 | | 60 | 44 | | 54 | | | 48 | | 58 | 42 | | 52 | | 45 | | | | | |
| Cyg | EM | K1 | 3 | 59 | 46 | 63 | 50 | 54 | 41 | 57 | 44 | 61 | 48 | | 52 | 39 | 55 | 43 | 59 | 46 | | 50 | 37 | 54 | 41 | 57 | 44 | 61 | 48 | | 52 | 39 | 55 | | | |
| Cyg | V367 | L1 | 2 | \ | 23s | / | / | | | | | | 53 | / | / | | | | | | | 83s | / | / | / | | | | | | | 13 | / | | | |
| Cyg | V463 | ES | | | 42s | 48 | 54s | 60 | | | | | | | | | | | | | | | 42 | 48s | 54 | 59s | | | | | | | | | | |
| Cyg | V477 | | | | | 58s | | | 57 | | | 62s | | | | 61 | | | | | | | | | | | | | 39s | | | | | | | |
| Cyg | V541 | L1 | | | | | | 43s | | | | | | | | 74 | | | | | | | | | | | | | | | 7 | | | | | |
| Cyg | V548 | ES | | 62 | 52s | 43 | | | | | | | | | 55s | 45 | | | | | | | | 58s | 48 | 38s | | | | | 60s | 50 | | | | |
| Cyg | V788 | L1 | | | | | | | | | | | | | | 71\ | 67 | 62/ | | | | | | | | | | | | | | | | | | |
| Cyg | V891 | ES | | | | | | | | | 55 | | 46 | | | | | | | | | | | | | | | | | | 52 | | | | | |
| Cyg | V909 | ES | | | | 48s | | | | | | | 50 | | | | | | | 51s | | | | | | 52 | | | | | | | | | | |
| Cyg | V1061 | ES | | 53 | | | | | | 57 | | | | | | 61 | | | | | | | | | | | | | | | | | | | | |
| Cyg | V1918 | ED | 3 | 49s | 52 | 35+ | 38+ | 42+ | 45s | 48 | 51s | 55 | 37+ | 41+ | 44 | 47s | 51 | 54s | 57 | 40+ | 43s | 46 | 50s | 53 | 56s | 39+ | 42 | 45s | 49 | 52s | 55 | 38+ | 41s | 45 | | |
| Del | DX | 90 | | 55 | | | | | | | 59 | 53 | | | | | | | | | | | | | | | | 60 | 55 | 49 | | | | | | |
| Dra | RW | RR | | 59 | 47 | 36 | | 57 | 46 | | | 56 | 44 | | | 54 | 43 | | | 53 | 42 | | | 52 | 40 | | 50 | 39 | | 60 | 49 | 38 | | | | |
| Dra | SU | RR | | | 61 | | 59 | | 57 | | 55 | | 53 | | | 52 | | 50 | | 48 | | 46 | | 44 | 42 | | 40 | 38 | | | | | | | | |
| Dra | SW | RR | | 52 | | | 37 | 51 | | | 36 | 49 | | | | 48 | 62 | | | 47 | 61 | | | 46 | 60 | | 45 | 59 | | | 43 | 57 | | | | |
| Dra | TZ | ED | | | 52s | 38s | | 55 | 42 | | 58s | 45s | | 61 | 48 | | 51s | | 38s | | 54 | 41 | | 57s | 44s | | 60 | 47 | | 50s | | | | 53 | | |
| Dra | VZ | 90 | | 48 | 44 | 40 | 37 | | 61 | 58 | 54 | 50 | 47 | 43 | 39 | | 60 | | 56 | 53 | 49 | 45 | 42 | | | 59 | 55 | 52 | 48 | 44 | 41 | | | | | |
| Dra | WW | S1 | 3 | | | 48 | | | | | | | | | | | | | | | 37 | | | | | | | | | | | | | | | |
| Dra | XZ | RR | | 51 | 47 | 42 | 37 | | | | | 61 | 57 | 52 | 47 | 43 | 38 | | | | | | | 57 | 53 | 48 | 43 | 38 | | | | 58 | 53 | | | |
| Dra | AI | S1 | | | 44 | 63 | | | | | 43 | | | | | | 42 | | | | | | | | | | | 41 | | | | | | | | |
| Dra | BF | | | | | | | | | | 1 | | | | | 42s | | | | | | | | | | | | | | | | 43 | | | | |
| Dra | BK | 90 | | | | 44 | 62 | | 40 | 58 | | 36 | 54 | | | 50 | | | 46 | | | | | | 38 | 57 | | 53 | | | 49 | | | | | |
| Dra | BU | ES | | | 51s | | 43 | | | | | | | | | | | | | | | | | | | 57 | | 40 | | | | | | | | |
| Dra | DD | 90 | | 62 | 60 | 58 | 56 | 54 | 52 | 50 | 48 | 46 | 44 | 43 | 41 | 39 | 37 | | | | | 61 | 60 | 58 | 56 | 54 | 52 | 50 | 48 | 46 | 44 | 42 | 40 | 38 | | |
| Dra | EX | K1 | | 45 | 50 | 55 | 39+ | 44 | 49 | 53 | 37+ | 42 | 47 | 52 | 36+ | 41+ | 46 | 51 | 56 | 40+ | 45 | 50 | 55 | 39+ | 44 | 49 | 54 | 38+ | 43 | 48 | 53 | 58 | 42 | 47 | | |
| Dra | GV | L1 | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Equ | S | S1 | | | | | | | 56 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Gem | U | K1 | 3 | | 37 | | | 38 | | | | | | 39 | | | | | | | | | | | | | | | | | | | | | | |
| Gem | RR | 90 | 3 | | 41 | | 39 | | 38 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Gem | RY | L1 | 3 | | | 83 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Gem | YY | S1 | | | 35 | | 39s | | 43 | | | | | | | | | | | | | | | | | | | | | | | | 38s | | | |
| Gem | V339 | EU | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Her | TW | RR | | | 46 | | 46 | | 46 | | 46 | | 45 | | 45 | 45 | | | 45 | | 45 | | 44 | | 44 | | 44 | | 44 | | 44 | | 43 | | | |
| Her | TX | S1 | | | | | | | | | 36s | 39 | 42s | 45 | 48s | 51 | 54s | 57 | 60s | | | | | | | | | | | | | | | | | |
| Her | UX | ED | | | | | 43s | | | 53s | | | | 40 | | | 50 | | | 60 | 37s | | | 47s | | | 57s | | | 44 | | | | | 54 | |
| JD | 578 | .. | | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | | | | | | | | |
| JD | 579 | .. | | | | | | | | | | | | | | | | | | | | | | | | | | | 00 | 01 | 02 | 03 | 04 | 05 | | |

| 2017 | Mai | P | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 |
|------|------|----|-----|-----|-----|-----|-----|-----|----|-----|-----|-----|-----|----|-----|-----|----|-----|-----|-----|-----|-----|-----|-----|----|-----|----|-----|-----|-----|-----|-----|-----|
| Her | VX | RR | 60 | 51 | 42 | | | 61 | 52 | 43 | | | 62 | 53 | 44 | | | | 54 | 45 | | | | 55 | 46 | 37 | | 56 | 47 | 38 | | | |
| Her | VZ | 90 | 40 | | 60 | 48 | 36 | | 57 | 45 | | | 53 | 41 | | 61 | 49 | 37 | | 57 | 45 | | | 54 | 42 | | 50 | 38 | | 58 | 46 | | |
| Her | AK | S1 | 53 | 37+ | 42s | 48 | 53s | 38+ | 43 | 48s | 54 | 38+ | 43s | 49 | 54s | 38+ | 44 | 49s | 55 | 39+ | 44s | 50 | 55s | 39+ | 45 | 50s | 55 | 40+ | 45s | 51 | 56s | 40s | 46 |
| Her | AR | 90 | 59 | 53 | 47 | 41 | 35 | | | | 58 | 52 | 46 | 40 | | | | | 57 | 51 | 45 | 39 | | | | 56 | 50 | 44 | 38 | | | | |
| Her | AW | L1 | | | 55 | | | | | | | | | 35 | | | | | | | | | 15 | | | | | | | 95 | | | |
| Her | DI | L1 | | 82s | | | 24 | | | | | | | | 37s | | 80 | | | | | | | 92s | | | | 35 | | | | | |
| Her | GU | EU | | | | 43s | | 60 | | | | | | | | | | | 46s | | | | | | | | | | | | 49s | | |
| Her | LV | | | | | | | | | | | | | | | | | | | 46 | | | | | | | | | | | | | |
| Hya | AI | L1 | | | | | 32s | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lac | RW | L1 | | | | 94s | | | | | | 19 | | | | 31s | | | | | | | | | | 68s | | | | | 93 | | |
| Lac | SW | S1 | 58s | 55s | | 63 | 59 | 56 | 52 | | 60s | 57s | 53s | | 61 | 57 | 54 | 50 | | 58s | 55s | 51s | 47s | 59 | 55 | 52 | 48 | 60s | 56s | 53s | 49s | 45s | 57 |
| Lac | UW | ES | | | | 1 | | | | | | 30 | | | | 59 | | | | | | 88 | | | | 17 | | | | | 46 | | |
| Lac | CO | EX | 47 | | | 56 | | | | 39s | | | 47s | | | 56s | | | | 44 | | | 52 | | | 61 | | | 44s | | | 52s | |
| Lac | CZ | 90 | 49 | | | 52 | | | 54 | | | 57 | 43 | | 59 | 45 | | 61 | 48 | | | 50 | | | 53 | 39 | 55 | 42 | | 58 | 44 | | |
| Lac | V345 | EX | 82s | | | | | 66 | | | 31s | | | | | 16 | | 80s | | | | | 65 | | | 30s | | | | 14 | | | 79s |
| Lac | V364 | EX | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 52s |
| Leo | RR | RR | | | | 46 | 36 | | | | 43 | | | | | 41 | | | | | | 39 | | | 46 | | | | 43 | | | | |
| Leo | SS | RR | 3 | 46 | | | | | 47 | | | | | | | 36 | | | | | | 37 | | | | 38 | | | | 39 | | | |
| Leo | ST | RR | 2 | 51 | 47 | 42 | 38 | | | | | | 50 | 46 | 42 | 37 | | | | | | | | | | 45 | 41 | 37 | | | | | |
| Leo | AG | ES | | 37 | | | | | | 45s | | | | | | | | | | | | | | | | 42s | | | | | | | |
| Leo | AM | S1 | 37s | 47s | 38 | 48 | 40s | 49s | 41 | | 42s | | 43 | | 44s | 36 | 45 | 37s | 47s | 38 | | 39s | | 40 | | 42s | | 43 | | 44s | | | |
| Leo | FM | EU | 3 | 35s | | | | | | | | | 44 | | | | | | | | | | | | | | | | | | | | |
| Lyn | TY | ES | | | | | 37 | | | | | | | | | | | | | | 37 | | | | | | | | | | | | |
| Lyn | CD | ES | | | | | | | | 48s | | | | | | | | | | | | | | | | 40 | | | | | | | |
| Lyr | RR | RR | | 47 | 60 | | | 44 | 57 | | | 40 | 54 | | | 37 | 51 | | | | | 47 | 61 | | 44 | 57 | | 41 | 54 | | | | 38 |
| Lyr | RZ | 90 | 42 | 44 | 47 | 49 | 51 | 53 | 56 | 58 | 60 | 62 | | | | | | | | | | | | 38 | 40 | 43 | 45 | 47 | 49 | 52 | 54 | 56 | 58 |
| Lyr | UZ | S1 | 40s | | | | | | | | | | | | | | 58 | 53s | 47 | 42s | | | | | | | | | | | | | |
| Lyr | CN | 90 | 62 | 44 | | 50 | | 55 | 38 | 61 | 43 | | 49 | | 55 | 37 | 60 | 43 | | 48 | | 54 | | 60 | 42 | | 48 | | 53 | | 59 | 41 | |
| Lyr | EZ | RR | | 39 | 44 | 49 | 55 | 60 | | | | | | 37 | 42 | 47 | 53 | 58 | | | | | | | 40 | 46 | 51 | 56 | | | | | |
| Lyr | IO | 90 | 3 | 59 | | 48 | 63 | | 37 | 52 | | | 41 | 56 | | | 45 | 60 | | | 49 | | | 37 | 53 | | 41 | 57 | | | | 45 | |
| Lyr | beta | S1 | | | | | | 80 | | | | | | | 27s | | | | | | | 74 | | | | | | 21s | | | | | |
| Oph | U | ST | | | | | 59s | 43 | | | | | 46 | | | | | 50 | | | | | 53 | 37s | | | 56 | 40s | | | | | 59 |
| Oph | ST | 90 | 2 | 55 | 45 | | | 61 | 51 | | | | 56 | 46 | | 61 | | 51 | 41 | | | 57 | 47 | | | 52 | 42 | | | 57 | 47 | 38 | |
| Peg | U | S1 | | | | | | | | | | | | | | | | | | | | | 59s | | | 59s | | | 59s | | | | 59s |
| Peg | VV | RR | | | | | | | | | | | | | 62 | 60 | 57 | 55 | 53 | | | | | | | | | | | | | | |
| Peg | VW | | | | | | | | | | | | | | | | | | | | | 4 | | | | | | | | | | | |
| Peg | AV | RR | 59 | | 55 | | | | | 62 | | 57 | | 52 | | | | | 60 | | 55 | | | 50 | | | | 58 | | 53 | | 48 | |
| Peg | AW | L1 | | | | | | 8 | | | | | 39s | | | | | 71 | | | | | | | 2s | | | 33 | | | | | |
| Peg | BH | 90 | | | | | | | | | | | | | | | | | | | | | 61 | | | | | | | | | 59 | |
| JD | 578 | .. | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | | | | | | |
| JD | 579 | .. | | | | | | | | | | | | | | | | | | | | | | | | | | 00 | 01 | 02 | 03 | 04 | 05 |

| 2017 Mai | | | P | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | | | |
|----------|-----|----|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|--|
| Peg | CG | 90 | | | 61 | 55 | | | | | | 62 | 56 | | | | | | | 56 | 50 | | | | | 57 | 50 | | | | | | | 58 | | | |
| Peg | DF | L1 | | | 18 | | | | | | | | | | | | | | 88 | | | | | | | | | | | | | | | 58 | | | |
| Peg | DH | RR | 3 | | 62 | | | | | | | | | | 59 | 61 | | | | | | | | | 55 | 57 | 60 | | | | | | | | | | |
| Peg | GH | ES | | | | | | | | | | 61s | | | | | | | | | 56 | | | | | | | | | 51s | | | | | | | |
| Peg | IP | K1 | | | | | | | | 60 | | 61 | | | 62 | | | | | 57 | | | 58 | | | 58 | | | | | | 59 | | 59 | 54 | | |
| Per | AR | 90 | | | 36 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Per | AY | L1 | | | 38 | | | | | | | | | | | | | 15 | | | | | | | | | | 93 | | | | | | | | | |
| Per | LX | L1 | | | | | | | | | | | | | | 71s | | | | | 73 | | | | 75s | | 77 | | | | 79s | | | | | | |
| Sge | SY | ES | | | | | | | | | 49 | | | | | | | | 57 | | | | | | | 42s | | | | | | | 50s | | | | |
| Ser | VY | RR | | 38 | | 53 | | | | 38 | | 52 | | 38 | | 52 | | | | 38 | | 52 | | | 38 | | 52 | | | | | 38 | | 52 | | 38 | |
| Ser | AN | 90 | | 40 | 44 | 49 | 53 | 58 | 62 | | | | | | 36 | 41 | 45 | 49 | | 54 | 58 | | | | | 37 | 41 | 46 | 50 | 55 | 59 | | | | | | |
| Ser | BH | 90 | | 63 | 50 | 37 | | 55 | 41 | | | 59 | 46 | | 50 | 37 | | 54 | | 41 | | 58 | 45 | | | 49 | | 54 | 40 | | 58 | 45 | | | | | |
| Ser | EG | L1 | | | 12s | | | | | 9 | | | | | 6s | | | | | 4 | | | | | 1s | | | 98 | | | | | | 96s | | | |
| Ser | LX | K1 | | 44+ | 39+ | 50 | 45+ | 40+ | 51 | 46+ | 41+ | 36+ | 47 | 42+ | 37+ | 48 | 43+ | 38+ | | 49 | 44+ | 39+ | 50 | 45+ | 40+ | 51 | 46 | 41+ | 52 | 47 | 42+ | 53 | 48 | 43+ | 39+ | | |
| Sex | T | 90 | | 40 | 37 | 35 | | | | | | | | | | | | 39 | | | | | | | | | | | | | | | | | | | |
| Tri | UX | 90 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 60 | | | | | | | |
| UMa | W | S1 | | 35+ | 35+ | 35+ | 35+ | 36+ | 36+ | 36+ | 36+ | 36+ | 36+ | 36+ | 36+ | 36+ | 36+ | 53s | | 37+ | 37+ | 37+ | 37+ | 37+ | 37+ | 37+ | 37+ | 37+ | 37+ | 37+ | 54s | 38+ | 38+ | 38+ | 38+ | | |
| UMa | RV | RR | | | | 58 | 51 | 45 | 39 | | | | 60 | 53 | 47 | 41 | | | | | | 56 | 49 | 43 | | | | 58 | 51 | 45 | 38 | | | | | | |
| UMa | RW | ES | | | | | | | | | | | | 58 | | | | | | | | | | | 57s | | | | | | | | | | | | |
| UMa | TU | RR | | 40 | 51 | | | | 42 | 53 | | | | 43 | 55 | | | | 45 | | | | | 47 | | 38 | 49 | | | 40 | 51 | | | | | | |
| UMa | TX | S1 | 3 | | | | | | | | | | | 41 | | | 47 | | | 53 | | | | | | | | | | | | | | | | | |
| UMi | W | S1 | 3 | | | | | 39 | | | | | 50 | | | | | 60 | | | | | | | | 40 | | | 51 | | | | | | | | |
| Vir | ST | 90 | 2 | 56 | 38 | 61 | 44 | | 49 | | 54 | 37 | | 42 | | 47 | | 53 | | | 40 | | 46 | | 51 | | 39 | 44 | | | 49 | | | | | | |
| Vir | AG | ED | | 41 | 37s | | | | 55 | 51s | 48 | 44s | 40 | 37s | | | | | 51s | 47 | 44s | 40 | 37s | | | 47 | 43s | 40 | | | | | | | | | |
| Vir | AH | S1 | | 47s | 49 | 51s | 53 | 54s | 36s | 38 | 40s | 42 | 43s | 45 | 47s | 49 | 51s | 53 | | | | 38 | 40s | 42 | 44s | 46 | 48s | 49 | | | | 39 | 40s | 42 | | | |
| Vir | AT | 90 | 2 | | | | | | | | 39 | 44 | 49 | | | | | | | | 38 | 43 | 48 | | | | | | | | 42 | | | | | | |
| Vir | AV | 90 | | | | | 58 | | 56 | | 53 | | 50 | | 47 | | 44 | | 41 | | 38 | | | | | | 48 | 42 | | | | | | | | | |
| Vir | CG | ES | | | 63s | 57s | 50s | 44s | 37s | | | | 58 | 52 | 45 | 39 | | | | | 60s | 53s | 47s | 40s | | | 55 | 48 | | | | | | | | | |
| Vul | Z | S1 | | | | | | | | | | | | | | | | | | | | | | | 56 | | | 47 | | | | | | 38 | | | |
| Vul | BN | 90 | | | 49 | | | 46 | | | 43 | 62 | | | 59 | | 56 | | | | 53 | | | 50 | | 47 | | | 44 | | 41 | | 60 | | | | |
| Vul | DR | EX | | | | | | | | | | 51s | 43 | | | | | | | | 51s | 44 | | | | | | | 52s | 44 | | | | | | | |
| Vul | EV | ES | | | | | | | | | | | | | | | | | | 49 | | | | | | | | | | | | | 60 | | | | |
| JD | 578 | .. | | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | | | | | | | | | |
| JD | 579 | .. | | | | | | | | | | | | | | | | | | | | | | | | | | 00 | 01 | 02 | 03 | 04 | 05 | | | | |

| 2017 Jun | | | P | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | |
|----------|-----|----|---|----|-----|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--|
| And | SW | RR | | | | | 60 | | | | 58 | | | | 56 | | | | | 54 | | | 53 | | | 51 | | | 60 | 49 | | | | |
| And | SY | L1 | 1 | 37 | 42/ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| JD | 579 | .. | | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | |

| 2017 | Jun | P | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | |
|------|-------|----|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| And | TW | S1 | | | | | | | | | | | | | | | | | 51 | | | | | | 46s | | 52 | | 58s | | | | |
| And | XX | 90 | | | | | | | | | 56 | | | | | | | | | | | | | 57 | | | | | | | | | 52 |
| And | CD | L1 | 2 | | | | | | | | | | | | | | | | | | | | | | 19\ | \ | 25s | / | 32/ | | | | |
| And | OV | 90 | | 57 | 51 | | | | | | | 57 | 51 | | | | | | | 57 | 51 | 45 | | | | | | 57 | 51 | 45 | | | |
| Aqr | SW | RR | 3 | | | | 54 | | | | | 59 | 51 | | | | 56 | 48 | | | | | 53 | 45 | | | 58 | 50 | | | | | |
| Aqr | SX | 90 | | 54 | | | | | | 50 | 57 | | | | | | | | | | | | | | 50 | 57 | | | | | | | 46 |
| Aqr | CD | ES | | | | | 17 | | | | | 1 | | | | 85 | | | | | 69 | | | | 52 | | | | | 36 | | | |
| Aqr | HH | 90 | 2 | | | | | | 59 | | | | | | | | | | | | | | | | | | 55 | | | | | 57 | |
| Aqr | LL | L1 | 3 | | | | | | | 43s | | | | | | | | | | | 52 | | | | | | | | | 61s | | | |
| Aql | AA | RR | | 51 | 60 | | | 49 | 58 | | | 47 | 56 | | 45 | 54 | | | | | | 52 | 60 | | 50 | 58 | | 48 | 56 | | | | |
| Aql | V341 | 90 | 3 | | 60 | | | 49 | | | | 54 | | | 58 | | | | 47 | | | | | | 41 | 57 | | | 46 | | | | |
| Aql | V889 | L1 | | 76s | | | | | | | 94 | | | | 89s | | | | | | | | | 6 | | | 1s | | | | | | |
| Aql | V1353 | ES | | | | | 46 | | 59s | | | 42s | | 54 | | | | | 49s | | | | | 44 | | 56s | | 39s | | 52 | | | |
| Aql | V1426 | ES | | 25+ | 42s | 1+ | 18+ | 36+ | 53 | 12+ | 30+ | 47s | 6+ | 24+ | 41+ | 59 | 17+ | 35+ | 52s | 11+ | 29+ | 46 | 5+ | 22+ | 40+ | 57s | 16+ | 34+ | 51 | 10+ | 28+ | 45s | 4+ |
| Aql | V1430 | ES | | 56s | 43s | | | 49 | | | 55s | 42s | | 60 | 48 | | | 54s | 41s | | 59 | 47 | | 53s | 40s | 58 | 46 | | | 51s | 39s | | |
| Ari | RS | L1 | 2 | | | | | | | | | | | | | | | | | | | | | | | | 16 | | | | | | |
| Boo | RS | RR | | 39 | 53 | | 41 | 54 | | 43 | 56 | | 45 | 58 | | 47 | 60 | | 49 | | | 51 | | 39 | 52 | 41 | 54 | | 43 | 56 | | | |
| Boo | TW | 90 | | | | 42 | 48 | 55 | | | | | | 40 | 47 | 53 | 60 | | | | | 39 | | 45 | 52 | 58 | | | 44 | 50 | | | |
| Boo | UU | 90 | | | | 54 | 45 | | | | 56 | 48 | 39 | | | 59 | 50 | | | | | | | | | | 55 | 47 | 38 | | | 58 | |
| Boo | UY | 90 | | 54 | 49 | | 44 | | 40 | | | | | | | | | | 51 | | 46 | | | | | | | | | | | | |
| Boo | AC | ED | | 52 | 40+ | 46s | 52s | 40+ | 46 | 52 | 40+ | 45s | 51s | 39+ | 45 | 51 | 39+ | 45s | 50s | 38+ | 44 | 50 | 38+ | 44s | 49s | 38+ | 43 | 49 | 55 | 43s | 49s | 54s | 42+ |
| Boo | CM | 90 | | | 43 | | 48 | | | | 52 | | | 57 | | 40 | | | 44 | | | | | | 53 | | | 40 | | | | 45 | |
| Boo | CQ | 90 | | 51 | | 49 | 46 | 59 | 43 | 56 | 41 | 53 | 38 | 51 | | 48 | | | 45 | | 43 | 55 | 40 | 53 | | 50 | 47 | 45 | | 42 | | | |
| Boo | CS | 90 | | | 45 | 56 | | | | 43 | 54 | | | | 41 | 52 | | | | 39 | 50 | | | | | 48 | | | 46 | | | | |
| Cam | SS | ES | | 32s | | 73 | | 15s | | 56 | | 97s | | | 38 | | 79s | | | | | | | | 3 | 44s | | 85 | | | 26s | | |
| Cam | SV | S1 | | 55 | 44s | | 52 | 41s | 59s | 48 | | 56s | 45 | | 53s | 42 | 60 | 49s | 38 | 57 | 46s | | 53 | 42s | 50 | 39s | 57s | 46 | 54s | 43 | | | |
| Cam | AK | ES | 3 | | | | | | | 46s | 58 | | | | | | | | | | 48 | 60s | | | | | | 39 | 51s | | | | |
| Cam | AN | | | | | | | | | | | | 44s | | | | | | 10 | | | | | | | | | | | | | | |
| Cam | AT | ES | | 60 | | | 39 | | 48s | | 58 | | | | | 46s | | | 56 | | | | | 44s | 54 | | | | 42s | | 52 | | |
| Cnc | RW | 90 | | 41 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cnc | RZ | L1 | 2 | 29\ | 91s | / | 53/ | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CVn | W | 90 | | | | 42 | 52 | | | | 38 | 48 | 59 | | | | 45 | | 55 | | | | 42 | 52 | | | 38 | 49 | | | | | |
| CVn | Z | 90 | | | | | | | 58 | | 54 | | 50 | | 46 | | 42 | | | 39 | | | | | | | | 54 | 50 | | 47 | | |
| CVn | RS | S1 | | 42 | | | | | | | | | | | | 41s | | | | | | | | | | | | 41 | | | | | |
| CVn | RZ | 90 | | | 50 | | | | 48 | | | | 45 | 58 | | 42 | | | 55 | | | 39 | 53 | | | 50 | | | 47 | | | | |
| Cas | RX | L1 | 2 | / | | | | | | | | | | | | 85 | / | / | / | / | | | | | | | | | | | | 2s | |
| Cas | RZ | S1 | | | | | | 48 | | | | | | | 46 | | | | | | 43 | | | | | 41 | 60 | | | | | 38 | |
| Cas | SX | L1 | 2 | | | | | 98\ | \ | 81 | / | 64/ | | | | | | | | | | | | | | | | | | | | | |
| Cas | TV | S1 | | | | | 50 | | | | | | | | | 56 | | | | | | | | | | | 44 | | | | | | |
| JD | 579 | .. | | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 |

| 2017 | Jun | P | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | | | |
|------|------|----|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|--|
| Cas | TW | S1 | | | 50 | | | | | | | | | | 50 | | | | | | | | | 50 | | | | | | | | | | | |
| Cas | TX | ES | | | | | | 58 | | | | 50 | | | 43 | | | | | | | | | 50 | | | | 60s | | | 53s | | | | |
| Cas | AQ | L1 | 3 | 13 | 18/ | | 93\ | 99s | / | 4/ | | | 79\ | 85 | 90/ | | | 65\ | 71s | 76/ | | | | 51\ | 57 | 62/ | | | | 37\ | 43s | | | | |
| Cas | BM | L1 | 3 | | | | | | | | | | | | | | | | | | | | | | 87 | | | | | | | | | | |
| Cas | DN | ES | | | 41s | 57 | | | | | | | 50 | | | | | | 43 | 59s | | | | | | | 52s | | | | | | | | |
| Cas | GG | ES | | | | | | | | | | | 45 | | | | | | | | | | | | | | 49 | | | | | | | | |
| Cas | GU | EU | | | | | | | | | | | | | | 38 | | 48 | | | | 57 | | | | | | | | | | | | | |
| Cas | IL | ES | | | | | 60 | | | | | | 50 | | | | | | | | 41 | | | | | | | | | | | | | | |
| Cas | IT | EX | | | | | | 50s | | | | 40s | | | | | | | | | | | | | | | | | | | | | | | |
| Cas | OX | EX | | | 47 | | | | | 45 | | | | | 43 | | | | 40 | 60s | | | | | 38 | 58s | | | | | | 56s | | | |
| Cas | PV | EX | | | | | | 53s | | | | | | | 53s | | | | | | | 53s | | | | | | | 54s | | | | | | |
| Cas | V368 | ES | | 60s | | | | | | | | 50s | | | | | | | | | 41s | | | | | | | | | | | 53 | | | |
| Cas | V375 | ED | | 50s | | 45s | | | 39s | | 60 | | | 55 | | | 50 | | | 44 | | | | 39 | 60s | | | 55s | | | 49s | | | | |
| Cas | V381 | EX | | | | | 58s | 50 | | | | | | 56s | 49 | | | | | | 55s | 47 | | | | | 53s | 45 | | | | | | | |
| Cas | V459 | L1 | | 00s | | | | 29 | | | | 46s | | | | 75 | | | | 92s | | | | | 21 | | | | 37s | | | | | | |
| Cep | RZ | 90 | | 56 | 48 | 41 | 57 | 50 | 42 | | 58 | 51 | 43 | | 59 | 52 | 45 | | | | 53 | 46 | 38 | | 54 | 47 | 40 | 56 | 48 | 41 | | 57 | | | |
| Cep | VW | S1 | | 47 | 44+ | 41+ | 39+ | 50s | 48 | 45+ | 42+ | 40+ | 51s | 49 | 46+ | 43+ | 41+ | 38+ | 49 | 47s | 44+ | 42+ | 39+ | 50 | 48s | 45+ | 43+ | 40+ | 51 | 49s | 46+ | 44+ | 41+ | | |
| Cep | XX | S1 | | | | | | | 49 | | | | | | | 50 | | | | | | | | 51 | | | | | | | 52 | | | | |
| Cep | XY | ES | | | | | | | | 60 | | | | | | | | | | | | | | 47 | | | | | | | | | | | |
| Cep | ZZ | S1 | | | | | | 49 | | | | | | | | | | | | | | | 49 | | | | | | | | | | | | |
| Cep | AI | ES | | 39 | | 51s | | | | | | | | | | | | | | | | 41s | | 52 | | | | | | | | | | | |
| Cep | CW | EX | | 55s | | | | | | 45 | | | | 47s | | | | | | | | | | | 38s | | | 55 | | | | | | | |
| Cep | EI | L1 | | 18s | | | 40 | | | | 62s | | | | 84 | | | | | 6s | | | | 28 | | | 50s | | | | | 72 | | | |
| Cep | EX | L1 | 2 | | | | | 32 | | | | | | | | | | | | | 76 | | | | | | | | | | | | | | |
| Cep | NN | ES | | | | | | | | | | | | | | | | 38 | 41s | 44 | 46s | 49 | 52s | 55 | 58s | | | | | | | | | | |
| Com | S | 90 | | | 51 | | | 45 | | | 38 | | | | 49 | | | 42 | | | | | | | 46 | | | 39 | | | | | | | |
| Com | ST | 90 | | | 40 | | | 40 | | | 39 | | | 39 | | | 38 | | | | 38 | | | | | | | | | | | | | | |
| CrB | U | S1 | | | | | | | | | | | | | | | | | | 51 | | | | | | 41 | | | | | | | | | |
| CrB | RV | 90 | | | | | 60 | 60 | 59 | 59 | 58 | 58 | 57 | 57 | 56 | 56 | 55 | 55 | 54 | 54 | 53 | 53 | 52 | 52 | 51 | 51 | 50 | 50 | 49 | 49 | 48 | 48 | | | |
| Cyg | UY | RR | | | 46 | 58 | | | 39 | 51 | | | | 43 | 55 | | | | 48 | 60 | | | 40 | 52 | | | | 45 | 57 | | | | | | |
| Cyg | XZ | RR | | | | 57 | 50 | 43 | | | | | 56 | 50 | 43 | | | | | | 56 | 50 | 43 | | | | 56 | 50 | 43 | | | | | | |
| Cyg | BO | ES | | | | | 60s | 47 | | | | | | | 50 | 38s | | | | | | | 40s | | | | | | 55 | 43s | | | | | |
| Cyg | DM | RR | | 55 | | | 49 | 59 | 43 | | 53 | | | 47 | | 57 | 41 | | | 51 | | | 45 | | 55 | 39 | | 59 | 43 | | | 52 | | | |
| Cyg | EM | K1 | 3 | 43 | 59 | 46 | | 50 | | 54 | 41 | 57 | 44 | | 48 | | 52 | 39 | 55 | 43 | 59 | 46 | | 50 | | 54 | 41 | 57 | 44 | | | 52 | | | |
| Cyg | V367 | L1 | 2 | / | | | | \ | \ | 43s | / | / | | | | | \ | \ | \ | 72 | / | / | / | | | \ | \ | \ | 2s | / | / | | | | |
| Cyg | V463 | ES | | | | | | | 42s | 48 | 54s | 59 | | | | | | | | | | | | | | | | 48s | 53 | 59s | | | | | |
| Cyg | V477 | | | | 39 | | | | | | 43 | | | 48s | | | | | 47 | | | 52s | | | 51 | | 56s | | | | | | 55 | | |
| Cyg | V541 | L1 | | | | | | 10s | | | | | | | | 41 | | | | | | | 44s | | | | | | | | | 75 | | | |
| Cyg | V548 | ES | | 41s | | | | | | | 53 | 43s | | | | | | | | | | 56 | 46s | | | | | | 58 | 49s | 39 | | | | |
| JD | 579 | .. | | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | | |

| 2017 | Jun | P | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | |
|------|-------|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|-----|-----|-----|-----|
| Cyg | V788 | L1 | | | | | | 63\ | 59 | 55/ | | | | | | | | | 58 | | 48 | | 39 | | | | | | | | | | |
| Cyg | V891 | ES | 42 | | | | | | | | | | | | | | | | | | | | 58 | | | 38 | | | | | | | |
| Cyg | V909 | ES | 54s | | | | | | 55 | | | | | | | | 56s | | | | | | | 58 | | | 38 | | | | 59s | | |
| Cyg | V1061 | ES | | | 39 | | | | | | | 43 | | | | | | | 47 | | | | | | | 51 | | | | | | | |
| Cyg | V1918 | ED | 3 | 48s | 51 | 54s | 58 | 40 | 44s | 47 | 50s | 54 | 57s | 39+ | 43 | 46s | 49 | 53s | 56 | 39+ | 42s | 45 | 48s | 52 | 55s | 38+ | 41 | 44s | 48 | 51s | 54 | 57s | 40s |
| Del | DX | 90 | | | | 58 | 53 | 47 | | | | | | | 56 | 51 | 45 | | | | | | 60 | 54 | 49 | 43 | 38 | | | | | 58 | |
| Dra | RW | RR | 59 | 48 | | | 58 | 46 | | | 56 | 45 | | | | 55 | 43 | | | 54 | 42 | | | 52 | 41 | | | 51 | 39 | | | 49 | 38 |
| Dra | SU | RR | | | | | | | | 59 | | 57 | | 56 | | 54 | | | 52 | | 50 | | 48 | | 46 | | 44 | | 42 | | 41 | | 39 |
| Dra | SW | RR | | 42 | 56 | | | 41 | 55 | | | 40 | 54 | | | 38 | 52 | | | | | 51 | | | | 50 | | | | 49 | | | |
| Dra | TZ | ED | 40 | | 56s | 43s | | 59 | 46 | | | 49s | | | 52 | 39 | | 55s | 42s | | 58 | 45 | | | | 48s | | 51 | 38 | | | 54s | 41s |
| Dra | VZ | 90 | | 58 | 54 | 50 | 47 | 43 | 39 | | | 60 | 57 | 53 | 49 | 46 | 42 | 38 | | | | 59 | 55 | 52 | 48 | 44 | 41 | | | 58 | 54 | 51 | |
| Dra | WW | S1 | 3 | | | | | | | | 52 | | | | | | | | | | | | | | | 41 | | | | | | | |
| Dra | XZ | RR | 48 | 44 | 39 | | | | | | 58 | 54 | 49 | 44 | 40 | | | | | | | 59 | 54 | 50 | 45 | 40 | | | | | 60 | 55 | |
| Dra | AI | S1 | 41 | | | | | | 40 | 60 | | | | | 39 | 59 | | | | | | 39 | 59 | | | | 38 | 58 | | | | | |
| Dra | BF | | | | | | | | | | | 64 | | | | | | | | | | | | | | | | 85 | | | | | |
| Dra | BK | 90 | 45 | | | 41 | 59 | | | 55 | | | 51 | | | 47 | | | 43 | | | 39 | 58 | | | 54 | | | 50 | | | 46 | |
| Dra | BU | ES | | | | | | | | | | | | | | | 54 | | 45s | | | | | | | | | | | | | | |
| Dra | DD | 90 | | | | | 59 | 57 | 55 | 53 | 51 | 49 | 47 | 45 | 43 | 41 | 39 | | | | | | 60 | 58 | 56 | 54 | 52 | 50 | 48 | 46 | 44 | 42 | |
| Dra | EX | K1 | 52 | 57 | 41 | 46 | 51 | 56 | 40 | 45 | 50 | 54 | 38+ | 43 | 48 | 53 | 58 | 42 | 47 | 52 | 57 | 41 | 46 | 51 | 56 | 40 | 45 | 50 | 55 | 39+ | 44 | 49 | |
| Dra | GV | L1 | 3 | | | | | | | | | | 67 | | | | | | | | | | | | | | | | | | | | |
| Equ | S | S1 | | | | | | 49 | | | | | | | | | | | | | | | | | | | | | | | | | 54 |
| Her | TW | RR | 43 | | 43 | | 43 | | 43 | | 42 | | 42 | | 42 | | 42 | | 42 | | 41 | | 41 | | 41 | | 41 | | 41 | | 40 | 60 | |
| Her | TX | S1 | | | | | | | | | | | | | 40 | 43s | 46 | 49s | 52 | 55s | 58 | | | | | | | | | | | | |
| Her | UX | ED | | | | 41s | | | 51s | | | | 38 | | | 48 | | | 58 | | | | 45s | | | 55s | | | | 42 | | | |
| Her | VX | RR | 57 | 48 | 39 | | | 58 | 49 | 40 | | | 59 | 50 | 41 | | | 59 | 51 | 42 | | | 60 | 51 | 43 | | | 52 | 43 | | | | |
| Her | VZ | 90 | | 54 | 43 | | | 51 | 39 | | 59 | 47 | | | 55 | 43 | | | 52 | 40 | | 60 | 48 | | | 56 | 44 | | | 52 | 40 | | |
| Her | AK | S1 | 51s | 56 | 41 | 46s | 51 | 57s | 41s | 46 | 52s | 57 | 42 | 47s | 52 | 58s | 42s | 47 | 53s | 58 | 42 | 48s | 53 | 59s | 43s | 48 | 54s | 38+ | 43 | 49s | 54 | 38+ | |
| Her | AR | 90 | | 55 | 49 | 43 | | | | | 60 | 54 | 48 | 42 | | | | | | 59 | 53 | 47 | 41 | | | | 58 | 52 | 46 | 40 | | | |
| Her | AW | L1 | | | | | | | 75 | | | | | | | | | 55 | | | | | | | | | 35 | | | | | | |
| Her | DI | L1 | | | 47s | | 90 | | | | | | | | | | | 45 | | | | | | | | 57s | | 0 | | | | | |
| Her | GU | EU | | | | | | | | | | | | 52s | | | | | | | | | | | 38 | | 55s | | | | | | |
| Her | LV | | | | | | 90 | | | | | | | | | | | | | | | | | | | 33 | | | | | | | |
| Lac | RW | L1 | | | | | 5s | | | | | 30 | | | | | 41s | | | | | 67 | | | | | 78s | | | | | | |
| Lac | SW | S1 | 53 | 50 | 46 | 58s | 54s | 51s | 47s | 43+ | 55 | 51 | 48 | 44+ | 56s | 52s | 49s | 45s | 41+ | 53 | 50 | 46 | 42+ | 38+ | 50s | 47s | 43+ | 39+ | 51 | 48 | 44+ | 40+ | |
| Lac | UW | ES | | | | 75 | | | | | | 4 | | | | | 33 | | | | | | | | | | 91 | | | | | | |
| Lac | CO | EX | | | | 40 | | | 49 | | | 57 | | | | 40s | | | 49s | | | 57s | | | | 45 | | | 53 | | | | |
| Lac | CZ | 90 | 60 | 47 | | | 49 | | | 51 | 38 | | 54 | 40 | | 56 | 43 | | 59 | 45 | | | 48 | | | 50 | | 53 | 39 | | | 55 | |
| Lac | V345 | EX | | | | | 63 | | | 28s | | | | | | 12 | 77s | | | | | | 62 | | | 26s | | | 11 | | | 76s | |
| Lac | V364 | EX | | | | | | | | | | | 49 | | | | | | | | | | | | 58s | | | | | | | | |
| JD | 579 | .. | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | |

| 2017 | Jun | P | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | |
|------|------|----|---|-----|-----|-----|-----|----|-----|-----|-----|----|-----|----|-----|-----|----|----|-----|----|----|-----|----|-----|-----|-----|----|-----|----|-----|-----|-----|----|
| Leo | RR | RR | | 41 | | | | 39 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Leo | SS | RR | 3 | | 40 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Leo | ST | RR | 2 | | | 45 | 40 | | | | | | | | | | | 40 | | | | | | | | | | | | | | | |
| Leo | AM | S1 | | 38 | | 39s | | 40 | | | | | | | | | | | 38 | | | | | | | | | | | | | | |
| Lyr | RR | RR | | 51 | | | 48 | | | | 45 | 58 | | | 42 | 55 | | | 38 | | | | | 48 | | | | 45 | 59 | | 42 | | |
| Lyr | RZ | 90 | | | | | | | | | | | | | | 39 | 41 | | 43 | 46 | 48 | 50 | 52 | 55 | 57 | 59 | | | | | | | |
| Lyr | UZ | S1 | | 60 | 55s | 49 | 44s | 39 | | | | | | | | | | | | | | 57s | 52 | 46s | 41 | | | | | | | | |
| Lyr | CN | 90 | | 47 | | 53 | 58 | | 41 | | 46 | 52 | | 58 | 40 | | 46 | | | 51 | | 57 | 39 | | 45 | | 51 | | 57 | 39 | 44 | | |
| Lyr | EZ | RR | | | 38 | 44 | 49 | 54 | 59 | | | | | | 42 | 47 | 52 | | 57 | | | | | | 40 | 45 | 50 | | 55 | 60 | | | |
| Lyr | IO | 90 | 3 | | | 49 | | | 38 | 53 | | 42 | 57 | | | 46 | | | | 50 | | | | 38 | 54 | | 42 | 58 | | | 46 | | |
| Lyr | beta | S1 | | 68 | | | | | | 15s | | | | | | 62 | | | | | | | | 9s | | | | | 57 | | | | |
| Oph | U | ST | | 43s | | | | | 46s | | | | 50s | | | | | | 53s | | | | | 56s | 40 | | | 59s | 43 | | | | |
| Oph | RZ | L1 | 2 | | | | | | | | 54\ | \ | \ | \ | \ | 78 | / | | / | / | / | / | 2/ | | | | | | | | | | |
| Oph | ST | 90 | 2 | | | 53 | 43 | | | 58 | 48 | 38 | | 54 | 44 | | | | 59 | 49 | 39 | | | 54 | 44 | | 60 | | | | 55 | | |
| Peg | U | S1 | | | 59s | | 58s | | | | 58s | | 58s | | | 58s | | | 58s | 51 | | 57s | | 51 | | 57s | 51 | 57s | 51 | 57s | 51 | | |
| Peg | VV | RR | | | | 60 | 57 | | 55 | 53 | 50 | 48 | 46 | | | | | | | | | | | | | 60 | | 57 | 55 | 53 | 50 | 48 | |
| Peg | VW | | | | | | | | | | | 11 | | | | | | | | | | | | | | | | | | | | | |
| Peg | AV | RR | | | | 56 | | | 51 | | 46 | | | 58 | | 54 | 49 | | | 44 | | | | | 51 | | 47 | | 42 | 59 | | 54 | |
| Peg | AW | L1 | | 64s | | | | | 95 | | | | | | 26s | | | | | 57 | | | | | 89s | | | | | 20 | | | |
| Peg | BH | 90 | | | | | | | | 56 | | | | | | | | | | | | | | | 58 | | | 51 | | | | | |
| Peg | CG | 90 | | 51 | 45 | | | | | 58 | 52 | 45 | | | | 59 | 52 | | 46 | 39 | | | | 60 | 53 | 47 | 40 | | 60 | 54 | 47 | | |
| Peg | DF | L1 | | | | | | | | | | | | | | | 28 | | | | | | | | | | | | | | 98 | | |
| Peg | DH | RR | 3 | | 54 | 56 | 58 | 60 | | | | | | | 50 | 52 | 55 | 57 | 59 | | | | | | 47 | 49 | 51 | 53 | 56 | 58 | 60 | | |
| Peg | GH | ES | | | | | | | | | | | 57 | | | | | | | | | 51s | | | | | | | | | 46 | | |
| Peg | IP | K1 | | 60 | 55 | | 56 | | | 56 | 51 | | 57 | 52 | | 57 | 52 | | | 58 | 53 | 48 | 58 | 53 | 48 | 59 | 54 | 49 | 60 | 55 | 50 | 60 | 55 |
| Per | RW | L1 | 2 | | | | | | | | | 58 | | | | | | | | | 95 | | | | | | | | | | | | |
| Per | RY | ES | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Per | AR | 90 | | | | | | | | | | | | | | | | | | | | | | | 58 | | 56 | | | | | | |
| Per | AY | L1 | | | | | | | 71 | | | | | | | | | | | | | | | | | | | | | | | | |
| Per | IQ | | | | | | | | | | 60 | | | | | | | | 58 | | | | | | 59s | 55 | | | | | 57s | | |
| Per | KN | EU | | | | | | | | | | | 60 | | | | | | | | | | | 56s | | 59 | | | | | | | |
| Per | LX | L1 | | | 81 | | | | 83s | | | 84 | | | | 86s | | | | | 88 | | | | 90s | | | 92 | | | | 94s | |
| Per | beta | S1 | | | | | | | | | | | 58 | | | | | | | | | | | | | | | | | | | | |
| Psc | RU | 90 | | | | | 60 | | | | | | | | | 58 | | | | | | | | | | 56 | | | | | | 59 | |
| Psc | RY | 90 | 2 | | | | | | | | | | | | | | 60 | | | | | | | | | | | | | | | | |
| Psc | SS | 90 | | | | | | | | | | | | | | | 57 | | | 59 | | 60 | | | | | | | | 52 | | 54 | |
| Sge | SY | ES | | | | | | | | 57s | | | | | | | | | 42 | | | | | | | 50 | | | | | | 58 | |
| Ser | VY | RR | | | 52 | | | | | 52 | | | | 52 | | | | | | 51 | | | | | 51 | | | | 51 | | | | |
| Ser | AN | 90 | | | | | 38 | | 42 | 47 | 51 | 55 | 60 | | | | | | | 38 | 43 | 47 | 52 | 56 | | | | | | | 39 | 44 | |
| JD | 579 | .. | | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 |

| 2017 | Jun | P | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 |
|------|-----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|-----|-----|----|----|-----|----|
| Ser | BH | 90 | 49 | | | 53 | 40 | | 57 | 44 | | | 48 | | | 52 | 39 | | 57 | 44 | | | 48 | | | 52 | 39 | | 56 | 43 | | |
| Ser | EG | L1 | | | | | 93 | | | | | 90s | | | | | 88 | | | | | 85s | | | | 83 | | | | | 80s | |
| Ser | LX | K1 | 49 | 44+ | 40+ | 50 | 45 | 41+ | 51 | 47 | 42+ | 52 | 48 | 43+ | 38+ | 49 | 44+ | 39+ | 50 | 45+ | 40+ | 51 | 46 | 41+ | 52 | 47 | 42+ | 53 | 48 | 43 | 38+ | 49 |
| Tri | X | S1 | | | | | | | | | | | | | | | | | | | | | | | | | | 58 | 55 | | | |
| Tri | RU | ES | 2 | | | | | | | | 58 | | | | | | | | | | | | | | | | | 56s | | | | |
| Tri | UX | 90 | | | | | | | | | | | | | | | | | | 55 | | | | | | 55 | | | | | | |
| UMa | W | S1 | 38+ | 38+ | 38+ | 38+ | 38+ | 38+ | 38+ | 39+ | 39+ | 39+ | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 41 |
| UMa | RV | RR | 60 | 53 | 47 | 41 | | | | | | 55 | 49 | 43 | | | | 58 | 51 | 45 | 38 | | | | 60 | 53 | 47 | 40 | | | | |
| UMa | RW | ES | | 56 | | | | | | | | | | | 55s | | | | | | | | | | | 55 | | | | | | |
| UMa | TU | RR | | | | 41 | | | | | | 43 | | | | 45 | | | | | | | | | | | | | 39 | | | |
| UMa | TX | S1 | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | 42 | | |
| UMi | W | S1 | 3 | | | | | | | 42 | | | | | 52 | | | | | | | | | | | 43 | | | | | 53 | |
| Vir | ST | 90 | 2 | | | 42 | | | | | | 41 | | 46 | | | | | 39 | | 45 | | | | | 38 | | 43 | | | | |
| Vir | AG | ED | | | | 47 | 43s | 40 | | | | | | | | 43s | 39 | | | | | | | | | 39 | | | | | | |
| Vir | AH | S1 | | 44s | 46 | 48s | | | | | | 39 | 41s | 43 | 45s | | | | | | | 39 | 41s | 43 | | | | | | | 38s | |
| Vir | AT | 90 | 2 | | | | | | | 41 | | | | | | | | | | 40 | | | | | | | | | | | | |
| Vir | AV | 90 | | 49 | | 46 | | 43 | | 40 | | | | | | | | | | | | | | | | | | 45 | | 42 | | |
| Vir | CG | ES | | 56s | 50s | 43s | | | | | | 51 | 45 | 38 | | | | 53s | 46s | 40s | | | | | | 48 | 41 | | | | | |
| Vul | Z | S1 | | | | | | | | | | | | | | | | | | 56 | | | | 47 | | | | 38 | | | | |
| Vul | BN | 90 | | 38 | 57 | | | 54 | | 51 | | | | 48 | | | 46 | | | | 43 | | 40 | 58 | | | 56 | | 53 | | | |
| Vul | DR | EX | | | | | 52s | 44 | | | | | | | | 52s | 44 | | | | | | | | 53s | 45 | | | | | | |
| Vul | EV | ES | | | 43 | | | | | | | | | | | | | | 54 | | | | | | | | | | | | | |
| JD | 579 | .. | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 |

| 2017 | Jul | P | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 |
|------|-----|----|----|----|----|----|-----|----|-----|----|----|----|----|----|----|----|----|----|----|-----|----|----|----|----|----|----|----|-----|----|----|----|-----|----|
| And | SW | RR | 58 | 47 | | | 56 | 45 | | | 54 | 43 | | | 52 | | | | 50 | | | 60 | 48 | | | 58 | 46 | | | 56 | 44 | | |
| And | SY | L1 | 1 | | | | 23\ | 28 | 33/ | | | | | | | | | | | | | | | | | | | | | | | | |
| And | TW | S1 | | | | | | | | | | | | | | | | | | | | | | | | 38 | | 44s | | 50 | | 56s | |
| And | XX | 90 | | | | | 58 | | | 47 | | | | | 53 | | | 42 | | 59 | | | 48 | | | | | 54 | | 43 | | 60 | |
| And | CD | L1 | 2 | | | | | | | | | | | | | | | | | | | | | | | | | 63\ | \ | 70 | / | 76/ | |
| And | OV | 90 | | | | 56 | 51 | 45 | | | | | 56 | 51 | 45 | 39 | | | | | | 56 | 51 | 45 | 39 | | | 62 | 56 | 51 | 45 | 39 | |
| Aqr | SW | RR | 3 | 55 | 47 | | | | | 53 | 44 | | | | 58 | 50 | 41 | | | | 55 | 47 | 39 | | | 60 | 52 | 44 | 36 | | 57 | 49 | |
| Aqr | SX | 90 | | 54 | | | | | 43 | 50 | 57 | | | | 39 | 46 | | 54 | 61 | | | | | 43 | 50 | 57 | | | 39 | 46 | 54 | | |
| Aqr | CD | ES | | | | 20 | | | | | 4 | | | | 88 | | | | | 71 | | | | | | 55 | | | 39 | | | | |
| Aqr | HH | 90 | 2 | | | 59 | | | | | | | 48 | | | 50 | | | | | 52 | | | | 54 | | | 57 | | 44 | 59 | | |
| Aqr | LL | L1 | 3 | | | | | | | 69 | | | | | | | | | | 78s | | | | | | | | | 87 | | | | |
| Aql | AA | RR | | 46 | 54 | | 44 | 52 | | | 42 | 50 | 59 | | 40 | 48 | 57 | | 38 | 46 | 55 | | | 44 | 53 | 61 | 42 | 51 | 59 | 40 | 49 | | |
| JD | 579 | .. | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 |

| 2017 | Jul | P | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | | |
|------|-------|----|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|
| Aql | V341 | 90 | 3 | 50 | | | 39 | 55 | | | 44 | 59 | | | 48 | | | 37 | 53 | | | 42 | 58 | | | 47 | 62 | | 36 | 51 | | | 40 | | |
| Aql | V889 | L1 | | 18 | | | | 13s | | | | | | | 31 | | | | 25s | | | | | | | 43 | | | | | | | | | |
| Aql | V1353 | ES | | | | 47s | | 59 | | | 42 | | 54s | | | 37s | | 49 | | | | | 44s | | 57 | | | 40 | | | 52s | | | | |
| Aql | V1426 | ES | | 21+ | 39+ | 56 | 15+ | 33+ | 50s | 9+ | 26+ | 44 | 3+ | 20+ | 38+ | 55s | 14+ | 32+ | 49 | 8+ | 25+ | 43s | 2+ | 19+ | 37+ | 54 | 13+ | 30+ | 48s | 7+ | 24+ | 42 | 59s | 18+ | |
| Aql | V1430 | ES | | 57 | 45 | | | 50s | 38s | | 56 | 44 | | | 49s | 37s | | 55 | 43 | | 61s | 48s | | | 54 | 42 | | 60s | 47s | | | 53 | 41 | | |
| Ari | X | RR | 3 | | | | | | | | | | | | | | | | | | | | | | | 60 | | | | | | | | | |
| Ari | RS | L1 | 2 | | 96 | | | | | | | | | 76 | | | | | | | | | 57 | | | | | | | | | | 37 | | |
| Aur | CQ | L1 | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | 22 | | | | | |
| Boo | RS | RR | | 45 | | | 47 | | 49 | | | 51 | | 39 | 52 | | 41 | | | 43 | | | 45 | | | 47 | | 49 | | | 37 | | | | |
| Boo | TW | 90 | | 56 | | | | | 42 | 48 | 55 | | | | | | 40 | 47 | 53 | | | | | | 39 | 45 | 52 | | | | | | 37 | | |
| Boo | UU | 90 | | 50 | 41 | | | 52 | 44 | | | | 55 | 46 | 38 | | | | 49 | 40 | | | | 51 | 43 | | | | 45 | 37 | | | | | |
| Boo | UY | 90 | | 48 | | 43 | 39 | | | | | | | | | | | | | | 40 | | | | | | | | | | | | | | |
| Boo | AC | ED | | 48 | 54 | 42+ | 48s | 54s | 42+ | 47 | 53 | 41+ | 47s | 53s | 41+ | 47 | 52 | 40+ | 46s | 52s | 40+ | 46 | 51 | 40+ | 45s | 51s | 39+ | 45 | 51 | 39+ | 44s | 50s | 38+ | 44 | |
| Boo | CM | 90 | | | | 50 | | | | | | | 41 | | | 46 | | | | | | | | | 38 | | 42 | | | | | | | | |
| Boo | CQ | 90 | | 39 | 52 | | 49 | | 47 | | 44 | 41 | | 39 | | | 49 | | 46 | | 43 | | 41 | | | 38 | | | 45 | | 43 | | | | |
| Boo | CS | 90 | | | 44 | | | | | 42 | | | | | 40 | | | | | 38 | | | | | | 36 | | | | | | | | | |
| Cam | SS | ES | | | 67 | | 8s | | 49 | | 91s | | | 32 | | 73s | | | 14 | | 55s | | 96 | | | 37s | | 79 | | | 20s | | | 61 | |
| Cam | SV | S1 | | 50s | 39 | 58 | 47s | | 55 | 43s | 51 | 40s | 59s | 48 | 37s | 55s | 44 | | 52s | 41 | 59 | 48s | 37 | 56 | 45s | | 52 | 41s | 60s | 49 | 38s | 56s | 45 | | |
| Cam | AK | ES | 3 | | | | | 41s | 53 | | | | | | | | | 43 | 55s | | | | | | | 44s | | 45s | 57 | | | | | | |
| Cam | AN | | | | 44s | | | | 10 | | | | | | | | | | | | | | | | | | | | | 10 | | | | | |
| Cam | AT | ES | | | | | 40s | | 50 | | 59s | | | 38s | | 48 | | 57s | | | | | 45 | | 55s | | | | 43 | | 53s | | | | |
| CVn | W | 90 | | 45 | 55 | | | 42 | 52 | | | | 38 | 49 | | | | | 45 | | | | | 42 | | | | | 38 | 49 | | | | | |
| CVn | Z | 90 | | | 43 | | 39 | | | | | | | | | | | | 47 | | 43 | | 39 | | | | | | | | | | | | |
| CVn | RS | S1 | | | | | | | | 40s | | | | | | | | | | | | 40 | | | | | | | | | | | | | |
| CVn | RZ | 90 | | | 44 | | | 41 | | | | 39 | | | | | 49 | | | | | | | | 44 | | | | 41 | | | | | 38 | |
| Cas | RX | L1 | 2 | / | / | / | / | | | | | | | \ | \ | \ | \ | 18 | / | / | / | / | | | | | | | \ | \ | \ | \ | \ | \ | |
| Cas | RZ | S1 | | 58 | | | | | 56 | | | | | | 53 | | | | | | | | | | | | 48 | | | | | | | | 46 |
| Cas | SX | L1 | 2 | | | | | | | | | | | | 55\ | \ | 37 | / | 20/ | | | | | | | | | | | | | | | | |
| Cas | TV | S1 | | | | | 50 | | | | | | | | 56 | | 38 | | | | | | | | | | 44 | | | | | | | | |
| Cas | TW | S1 | | | | 50 | | | | | | | | | 49 | | | | | | | | | | | 49 | | | | | | | | | |
| Cas | TX | ES | | | 45s | | 38s | | | | | | | | | | | | | 55 | | | 48 | | | 41 | | | | | | | | | |
| Cas | AQ | L1 | 3 | 48/ | | | 23\ | 29 | 34/ | | | | 10\ | 15s | 20/ | | | 96\ | \ | 1 | 6/ | | | 82\ | 87s | 92/ | | | 68\ | 73 | 79/ | | | | |
| Cas | BM | L1 | 3 | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / |
| Cas | DN | ES | | | | 45s | | | | | | 38s | 54 | | | | | | | | 47 | | | | | | 41 | 56s | | | | | | | |
| Cas | GG | ES | | | | | | | | | | | 52 | | | | | | | | | | | | | | | 56 | | | | | | | |
| Cas | GU | EU | | | | | | | | | | | | | | | | | | 41 | | | 50 | | | 60 | | | | | | | | | |
| Cas | IL | ES | | | | | | | | | | | | | 57 | | | | | | | | | | | | | | 38 | | | | | | |
| Cas | IT | EX | | | | | 53 | | | | 43 | | 57s | | | | 47s | | | | | | | | | | | | | | | | | | |
| Cas | OX | EX | | | | 54s | | | | | 52s | | | | | | | | | | | | | | | | 45s | | | | | | 43s | | |
| JD | 579 | .. | | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | |

| 2017 | Jul | P | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | |
|------|-------|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Cas | PV | EX | | | | 54s | | | | | | | 54s | 37 | | | | | | 54s | 38 | | | | | 54s | 38 | | | | | | | |
| Cas | V368 | ES | | | | | | | | | 44 | | | | | | | | | | | 57s | | | | | | | | 47s | | | | |
| Cas | V375 | ED | | 44s | | | 39s | | 60 | | | 54 | | | 49 | | | 44 | | | 39 | | 60s | | | 54s | | | 49s | | 44s | | | |
| Cas | V381 | EX | | | 51s | 44 | | | | | | 50s | 42 | | | | | | 48s | 41 | | | | | | 46s | 39 | | | | | 45s | | |
| Cas | V459 | L1 | 67 | | | | 83s | | | | | 12 | | | | 29s | | | | | 58 | | | 75s | | | | 4 | | | | 21s | | |
| Cep | RZ | 90 | 49 | 42 | | 58 | 51 | 43 | | 59 | 52 | 44 | 37 | 60 | 53 | 46 | 38 | | 54 | 47 | 39 | | 55 | 48 | 41 | | 57 | 49 | 42 | 58 | 50 | 43 | | |
| Cep | VW | S1 | 38+ | 50s | 47 | 45+ | 42+ | 39+ | 51s | 48 | 46+ | 43+ | 40+ | 38+ | 49 | 46+ | 44+ | 41+ | 39+ | 50 | 47+ | 45+ | 42+ | 40+ | 37+ | 48+ | 46+ | 43+ | 41+ | 38+ | 49s | 47+ | 44+ | |
| Cep | XX | S1 | | | | | 53 | | | | | | | 55 | | | | | | | 56 | | | | | | | 57 | | | | | | |
| Cep | XY | ES | | | 57 | | | | | | | | | | | | | | 44 | | | | | | | | | | | 54 | | | | |
| Cep | ZZ | S1 | | | | | | 48 | | | | | | | | | | | | | | | 47 | | 61 | | | | | | | | | |
| Cep | AI | ES | | | | | | | | | 42 | | 53s | | | | | | | | | | | | | | | | 44s | | 55 | | | |
| Cep | CW | EX | 57s | | | | | | | 47 | | | | 49s | | | | | | | | 39 | | | 40s | | | | 58 | | | | 59s | |
| Cep | EI | L1 | | | | 94s | | | | | 16 | | | | 38s | | | | 59 | | | | 81s | | | | | 3 | | | 25s | | | |
| Cep | EX | L1 | 2 | | 19 | | | | | | | | | | | | | 63 | | | | | | | | | | | | | 6 | | | |
| Cep | NN | ES | | | | | | | | | | | | | | | | | | | | | 37 | 40s | 43 | 46s | 48 | 51s | 54 | 57s | 60 | | | |
| Cet | RR | RR | 2 | | | | | 59 | | | | | 57 | | | | 60 | | | | | | | | | | | 61 | | | | | | |
| Cet | TU | ES | 2 | | | | | | | | | | 21 | | | | | | | | | 99 | | | | 38 | | | 77 | | | | | |
| Cet | TV | L1 | | | | | | | | | | | | | | | | | | 19 | | | | 68s | | | | 30 | | | | | 79s | |
| Com | S | 90 | | | 43 | | | | | | | | | | | | | | | | | | | | | 37 | | | | | | | | |
| CrB | U | S1 | | | | | | | | | | | | | | | | | | | | | | | | | 48 | | | | | | | |
| CrB | RV | 90 | 47 | 47 | 46 | 46 | 45 | 45 | 44 | 44 | 43 | 43 | 42 | 42 | 41 | 41 | 40 | | 40 | 39 | 39 | 38 | 38 | 37 | 37 | 36 | 36 | | | | | | | |
| Cyg | UY | RR | 50 | | | | 42 | 54 | | | | 47 | 59 | | | 39 | 51 | | | | | | | | | 36 | 48 | 61 | | 41 | 53 | | | |
| Cyg | XZ | RR | | 56 | 49 | 43 | | | | | 56 | 49 | 43 | | | | | | 56 | 49 | 43 | | | | 56 | 49 | 43 | 36 | | | 62 | 56 | 49 | |
| Cyg | BO | ES | | | | 57 | 45s | | | | | | 60 | 48s | | | | | | | | 50s | 38 | | | | | 53s | 40 | | | | | |
| Cyg | DM | RR | | | 46 | 56 | | 40 | | 50 | 60 | | 44 | | 54 | 38 | | | 48 | | 58 | 42 | | 52 | | 62 | 46 | 56 | 40 | | 50 | | 59 | |
| Cyg | EM | K1 | 3 | 39 | 55 | 43 | 59 | 46 | | 50 | | 54 | 41 | 57 | 44 | 61 | 48 | | 52 | 39 | 55 | 43 | 59 | 46 | | 50 | 37 | 54 | 41 | 57 | 44 | 61 | 48 | |
| Cyg | V367 | L1 | 2 | | \ | \ | | 32 | / | / | | | | | \ | \ | 62s | | / | / | | | | | \ | \ | 92 | / | / | / | | | \ | |
| Cyg | V463 | ES | | | | | | | | | | | | | 42s | 48 | 53s | | 59 | | | | | | | | | | | | 36s | | 42 | |
| Cyg | V477 | | | | 60s | | | | | 59 | | | | | | | | | | | | | | | 38s | | | 37 | | | 42s | | | |
| Cyg | V541 | L1 | | | | | | 78s | | | | | | | | | 9 | | | | | | | | 12s | | | | | | | | 43 | |
| Cyg | V548 | ES | | | | | | | 51s | 41 | | | | | | | | | 54s | 44 | | | | | | 56s | 47 | 37s | | | | | | |
| Cyg | V788 | L1 | 56\ | 51 | 47/ | | | | | | | | | | | | | | | | | | | | | 48\ | 44 | 39/ | | | | | | |
| Cyg | V891 | ES | | | | | | | | | 54 | | 45 | | | | | | | | | | | | | | | | 60 | | 50 | | | |
| Cyg | V909 | ES | | 40s | | | | 60 | | | 41 | | | | | | | | 42s | | | | | | 44 | | | | | | 45s | | | |
| Cyg | V1061 | ES | 55 | | | | | | | 59 | | | | | | | | | | | | | | | | | | | 36 | | | | | |
| Cyg | V1918 | ED | 3 | 43 | 47s | 50 | 53s | 57 | 39+ | 42s | 46 | 49s | 52 | 56s | 38+ | 42 | 45s | 48 | 51s | 55 | 37+ | 41+ | 44 | 47s | 51 | 54s | 37+ | 40+ | 43s | 46 | 50s | 53 | 36+ | 39+ |
| Del | DX | 90 | 52 | 47 | 41 | | | | | | 56 | 50 | 45 | 39 | | | | | | 59 | 53 | 48 | 43 | 37 | | | 62 | 57 | 51 | 46 | 41 | | | |
| Dra | RW | RR | | 59 | 48 | | | | 58 | 47 | | 57 | 45 | | | 55 | 44 | | | | 54 | 43 | | | 53 | 41 | | | 51 | 40 | | 61 | 50 | 38 |
| Dra | SU | RR | | | | | | | | | | | 61 | | 60 | | 58 | | | | | 54 | | | | 50 | 48 | | 46 | | 45 | | | 43 |
| JD | 579 | .. | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | |

| 2017 | Jul | P | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | |
|------|------|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|
| Dra | SW | RR | 47 | | | | 46 | 60 | | | 45 | 59 | | | 44 | 58 | | | 43 | 56 | | | 41 | 55 | | 40 | 54 | | | 39 | 53 | | | |
| Dra | TZ | ED | | 57 | 44 | | 60s | 47s | | | 50 | | | 53s | 40s | | 56 | 43 | | 60s | 46s | | 49 | 36 | | 52s | 39s | | 55 | 42 | | 59s | | |
| Dra | VZ | 90 | 47 | 43 | 40 | | | | 57 | 53 | 49 | 46 | 42 | 38 | | | 59 | 56 | 52 | 48 | 45 | 41 | 37 | | 62 | 58 | 54 | 51 | 47 | 43 | 40 | 36 | | |
| Dra | WW | S1 | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 45 | | |
| Dra | XZ | RR | | 50 | 45 | 41 | | | | | 60 | 56 | 51 | 46 | 41 | 37 | | | | | 61 | 56 | 51 | 47 | 42 | 37 | | | | 61 | 57 | 52 | | |
| Dra | AI | S1 | | 38 | 58 | | | | | 57 | | | | | | 56 | | | | | | | | | | | | 55 | | | | | | |
| Dra | BF | | | | 6 | | | | | 48s | | | | | | 27 | | | | | | | | | | 48 | | | | | | | | |
| Dra | BK | 90 | | | 42 | 60 | | 38 | 57 | | | 53 | | 49 | | | | 45 | | | 41 | 59 | | 37 | 55 | | 51 | | | 47 | | | | |
| Dra | BU | ES | | | | | | 59s | | 51 | | 42s | | | | | | | | | | | | | | | | | | 56s | | | 48 | |
| Dra | DD | 90 | 41 | 39 | | | | | | 59 | 57 | 56 | 54 | 52 | 50 | 48 | 46 | 44 | 42 | 40 | 38 | | | | | 61 | 59 | 57 | 55 | 53 | 51 | 49 | 47 | |
| Dra | EX | K1 | 54 | 38+ | 43 | 48 | 53 | 58 | 42 | 47 | 52 | 57 | 41 | 46 | 50 | 55 | 39+ | 44 | 49 | 54 | 38+ | 43 | 48 | 53 | 37+ | 42 | 47 | 52 | 36+ | 41+ | 46 | 51 | 56 | |
| Dra | GV | L1 | 3 | | | | 52 | | | | | | | | | | | | | | | | | | | | | | | 38 | | | | |
| Equ | S | S1 | | | | | | | 41 | | | | | | | | | | | | | | | | 59 | | | | | | | | 46 | |
| Her | TW | RR | 40 | 60 | 40 | 60 | 40 | 60 | 40 | 60 | 39 | 59 | 39 | 59 | 39 | 59 | 39 | 59 | 39 | 59 | 38 | 58 | 38 | 58 | 38 | 58 | 38 | 58 | 38 | 58 | 37 | 57 | 37 | |
| Her | TX | S1 | | | | | | | | | | | | | | | | | 39s | 42 | 45s | 48 | 51s | 54 | 57s | 60 | | | | | | | | |
| Her | UX | ED | 52 | | | | 39s | | | 49s | | | 58s | | | 46 | | | | 55 | | | | 43s | | 52s | | | | | 40 | | | |
| Her | VX | RR | | 53 | 44 | | | | 54 | 45 | | | | 55 | 46 | 37 | | | 56 | 47 | 38 | | | | 48 | 39 | | | | 49 | 40 | | | |
| Her | VZ | 90 | | 49 | | | 57 | 45 | | | 53 | 41 | | 61 | 50 | 38 | | 58 | 46 | | | 54 | 42 | | 62 | 50 | 38 | | 59 | 47 | | | 55 | |
| Her | AK | S1 | 44s | 49 | 55s | 39+ | 44 | 50s | 55 | 39+ | 45s | 50 | 55s | 40s | 45 | 50s | 56 | 40 | 46s | 51 | 56s | 41s | 46 | 51s | 36+ | 41 | 46s | 52 | 36 | 42s | 47 | 52s | 37s | |
| Her | AR | 90 | | | 57 | 51 | 45 | 39 | | | | | 56 | 50 | 44 | 38 | | | | 61 | 55 | 49 | 43 | 37 | | | 60 | 54 | 48 | 42 | 36 | | | |
| Her | AW | L1 | | | 15 | | | | | | | | | 95 | | | | | | | | | | 75 | | | | | | | 55 | | | |
| Her | DI | L1 | | | | | 12s | | 55 | | | | | | | 67s | | | | 10 | | | | | | | 22s | | 65 | | | | | |
| Her | GU | EU | | | | | | 41 | | 58s | | | | | | | | | | | 43 | | | | | | | | | | | | | |
| Her | LV | | | | | | | | | | | | | 77 | | | | | | | | | | | | | | | | | | | | 20 |
| Her | MM | ES | | | | | | | | | | | | | | | | | | 60 | | | | 58s | | | 56 | | | | 54s | | | |
| Lac | RW | L1 | 4 | | | | | 15s | | | | | 40 | | | | | 52s | | | | | 77 | | | | 89s | | | | | | | |
| Lac | SW | S1 | 52s | 48s | 45s | 41+ | 53 | 49 | 46 | 42+ | 38+ | 50s | 46s | 43+ | 39+ | 51 | 47 | 44+ | 40+ | 52s | 48s | 45+ | 41+ | 37+ | 49 | 45+ | 42+ | 38+ | 50s | 46+ | 43+ | 39+ | 51 | |
| Lac | UW | ES | 20 | | | | | 49 | | | | | 78 | | | | | | 7 | | | | | 36 | | | | 65 | | | | | | |
| Lac | CO | EX | | | | 45s | | | 54s | | | | 41 | | 50 | | | | 58 | | | | 41s | | 50s | | | 58s | 38 | | | | 46 | |
| Lac | CZ | 90 | 41 | | 57 | 44 | | 60 | 46 | | | 49 | | 51 | 38 | | | 54 | 40 | | 56 | 43 | | 59 | 45 | | 61 | 47 | | 50 | 36 | | | |
| Lac | V345 | EX | | | | | 60 | | | 25s | | | | | 9 | 74s | | | | | | 58 | | | 23s | | | | | 7 | 72s | | | |
| Lac | V364 | EX | | | 55 | | | | | | | | | | | | | | | | | | | | | 60 | | | | | | | | |
| Lyr | RR | RR | 55 | | | 39 | 52 | | | | 49 | | | | 46 | 59 | | | 43 | 56 | | | 39 | 53 | | 36 | 50 | | | | 46 | 60 | | |
| Lyr | RZ | 90 | | | | | | | 39 | 42 | 44 | 46 | 48 | 51 | 53 | 55 | 57 | 60 | | | | | | | | | | | | 38 | 40 | | 42 | |
| Lyr | UZ | S1 | | | | | | 59s | 54 | 48s | 43 | | | | | | | | | | | | | | 61s | 56 | 50s | 45 | 40s | | | | | |
| Lyr | CN | 90 | 50 | | 56 | 38 | | 44 | | 50 | | 55 | 37 | 61 | 43 | | 49 | | 55 | 37 | 60 | 43 | | 48 | | 54 | 36 | 60 | 42 | | 48 | | 53 | |
| Lyr | EZ | RR | | | 38 | 43 | 48 | 53 | 58 | | | | | | | 41 | 46 | 51 | 56 | 61 | | | | | | 39 | 44 | 49 | 54 | 59 | | | | |
| Lyr | IO | 90 | 3 | | 50 | | | 39 | 54 | | | 43 | 58 | | 47 | | | | | 51 | | | 39 | 55 | | 43 | 59 | | | 47 | | | | |
| Lyr | beta | S1 | | | 4s | | | | | | | 51 | | | | | | 98s | | | | | | | 45 | | | | | 92s | | | | |
| JD | 579 | .. | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | |

| 2017 | Jul | P | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | |
|------|-------|----|---|-----|-----|-----|-----|-----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|-----|-----|-----|-----|-----|-----|-----|-----|----|-----|-----|-----|-----|-----|
| Oph | U | ST | | 46 | | | | 49 | | | | | 53 | 37s | | | | 40s | | | | | 43s | | | | 46s | | | | | | | |
| Oph | ST | 90 | 2 | 45 | | | 50 | 40 | | | 56 | 46 | | | 51 | 41 | | | | 46 | | | 52 | 42 | | | | 47 | 37 | | | | | |
| Peg | U | S1 | | 57s | 50 | | 57s | 50 | | 56s | 50 | | 56s | 50 | | 56s | 50 | | 56s | 50 | 43s | 56s | 49 | 43s | 55s | 49 | 43+ | 55s | 49 | 43+ | 55s | 49 | 43+ | |
| Peg | VV | RR | | 46 | 43 | 41 | 39 | | | | | | | | | | | 60 | 57 | 55 | 53 | 50 | 48 | 46 | 44 | 41 | 39 | 37 | | | | | | |
| Peg | VW | | | 18 | | | | | | | | | | | | | | | | | | | 25 | | | | | | | | | | | |
| Peg | AV | RR | | 49 | | 45 | 40 | 57 | | 52 | | 47 | | 42 | 60 | 38 | 55 | | 50 | | 45 | | 40 | 57 | | 53 | | 48 | | 43 | 60 | 38 | 55 | |
| Peg | AW | L1 | | | | 51s | | | | 82 | | | | | | 13s | | | | | 44 | | | | 75s | | | | | | 6 | | | |
| Peg | BH | 90 | | | | 56 | 48 | | | | | | 53 | | 45 | | | | | | 58 | | 51 | | 43 | | | | 56 | | 48 | | | |
| Peg | BK | ES | | | | | 43s | | | | | | | | | | 41s | | | | | | | | | | 39s | | | | | | | |
| Peg | CG | 90 | | 41 | | | | 55 | 48 | 41 | | | | | 55 | 49 | 42 | | | | | 56 | 49 | 43 | 36 | | | 57 | 50 | 44 | 37 | | | |
| Peg | DF | L1 | | | | | | | | | | | | | 68 | | | | | | | | | | | | | | | | 38 | | | |
| Peg | DH | RR | 3 | | | 45 | 48 | 50 | 52 | 54 | 57 | 59 | | | 42 | 44 | 46 | 49 | 51 | 53 | 55 | 57 | 60 | | 38 | 41 | 43 | 45 | 47 | 49 | 52 | 54 | 56 | |
| Peg | GH | ES | | | | | 57 | | | | 40s | | | | 52s | | | | | | | | | 46 | | | | 58 | | | | | 41s | |
| Peg | IP | K1 | | 50 | 45 | 56 | 51 | 46 | 56 | 51 | 46 | 57 | 52 | 47 | 42+ | 52 | 47 | 42+ | 53 | 48 | 43+ | 54 | 49 | 44+ | 54 | 49 | 44+ | 39+ | 50 | 45+ | 40+ | 50 | 45+ | 40+ |
| Per | RW | L1 | 2 | | | 15 | | | | | | | | | | | | 35 | | | | | | | | | | | | | 55 | | | |
| Per | RY | ES | | | | | 60s | | | | | | 46s | | | | | | | | | | | | | | | | 62 | | | | | |
| Per | AR | 90 | | | | | | | | | 60 | | | 58 | | | 56 | | | | 54 | | 51 | | | 49 | | 62 | 47 | | 60 | | | |
| Per | AY | L1 | | 26 | | | | | | | | | | | 3 | | | | | | | | | | | 81 | | | | | | | | |
| Per | IQ | | | | | | | 54s | | | | | | | 51s | | | | | | | | | | | | | 46s | | | | | | |
| Per | KN | EU | | | | | 56s | | 59 | | | | | | | 52 | | | 55s | | | 59 | | | 62s | 49s | | 52 | | | | 55s | | |
| Per | LX | L1 | | | | | 96 | | | | 98s | | | 0 | | | | | 2s | | | | 4 | | | | 5s | | | | 7 | | | |
| Per | beta | S1 | | | | | 52 | | | | | | | | | 55s | | | | | | | | | 59 | | | 46 | | | | | | |
| Psc | RU | 90 | | | 54 | | | | | | 57 | | 52 | | 47 | | | 60 | | 55 | | 50 | | 45 | 62 | | 57 | 53 | | 48 | | | 43 | |
| Psc | RY | 90 | 2 | | 55 | | | | | | | | 56 | | | | | | | | | 51 | 57 | | | | | | 51 | 57 | | | | |
| Psc | SS | 90 | | 55 | | 57 | | 58 | | 60 | | | | | 49 | 50 | | | 52 | | 53 | | 55 | | 56 | 58 | | 59 | 45 | 61 | 47 | | 62 | |
| Sge | SY | ES | | | | | | | | | | | | | | | | 51s | | | | | | | 58s | | | | | | | | | |
| Ser | VY | RR | | | | | | | | | | | | | | | | | | | | | | | | | 36 | | | | | 36 | | |
| Ser | AN | 90 | | 48 | 53 | | | | 40 | 44 | 49 | | 40 | 44 | 49 | | | | | | | | | | 41 | 45 | 50 | | | | | | | |
| Ser | BH | 90 | | 47 | | | 51 | 38 | | | 43 | | 47 | | | 51 | 38 | | | | 42 | | 46 | | | | | | 42 | | | | | 46 |
| Ser | EG | L1 | | | | | | | | | | 75s | | | | | 72 | | | | | | | | | | | | | | | 64s | | |
| Ser | LX | K1 | | 44 | 39+ | 50 | 45 | 40+ | 51 | 46 | 41 | 52 | 47 | 42 | 37+ | 48 | 43 | 38 | 49 | 44 | 39 | 50 | 45 | 40 | 51 | 46 | 41 | 36 | 47 | 42 | 37 | 48 | 43 | 38 |
| Tau | V1094 | L1 | | | | | | | | | | | | | | | | | | | | | | | | | 5s | | 18 | | | | | |
| Tri | X | S1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 61 | 58 | | 55 | |
| Tri | RU | ES | 2 | | | | | | | | | | | | | | 54 | | | | | | | | | | | | 61 | | | | | |
| Tri | UX | 90 | | 56 | | | | | | | | 56 | 49 | | | | | 56 | 50 | | | | | | 57 | 50 | 44 | | | | 57 | | 51 | |
| UMa | W | S1 | | 41 | 41 | 41 | 41 | 41 | 41 | 41 | 41 | 41 | 41 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 43 | 43 | 43 | 43 | 43 | | | | | |
| UMa | RV | RR | | 55 | 49 | 43 | | | | | 57 | 51 | 45 | 38 | | | 60 | | 53 | 47 | 40 | | | | 55 | 49 | 42 | 36 | | | | | | 51 |
| UMa | TU | RR | | | | 41 | | | | | | | | | | | | | | | | | | | 37 | | | | | | | | | |
| UMi | W | S1 | 3 | | | | | | | | | | | 44 | | | | | | 54 | | | | | | | | | | | 45 | | | |
| JD | 579 | .. | | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 |

| 2017 | Jul | P | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | |
|------|-----|----|---|----|----|-----|-----|-----|----|----|----|----|----|-----|----|----|----|----|-----|-----|----|----|----|----|----|----|----|----|----|-----|----|----|----|----|
| Vir | ST | 90 | 2 | | | 41 | | | | | | 40 | | | | | | | 38 | | | | | | 37 | | | | | | | | | |
| Vir | AG | ED | | | | 39 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Vir | AH | S1 | | | | | 40 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Vir | AV | 90 | | | | | 39 | | | | | | | | | | | | | | | | | | | | | | | | 36 | | | |
| Vir | CG | ES | | | | | 49s | 43s | | | | 44 | | | | | | | 45s | 39s | | | | | 40 | | | | | | | | | |
| Vul | Z | S1 | | | | | | | | | | | | | | | 57 | | | | | | | | 39 | | | | | | | | | |
| Vul | RR | ES | | | | | | | | | | | | | | | | | | | | | | | | 48 | | | | | | | 53 | |
| Vul | BN | 90 | | 50 | | | | 47 | | | 44 | | 41 | 60 | | 38 | 57 | | 54 | | | | | 48 | | | 45 | | | 42 | 61 | | | |
| Vul | DR | EX | | | | 53s | 45 | | | | | | | 53s | 45 | | | | | | | | | | | | | | | 54s | 46 | | | |
| Vul | EV | ES | | | | | | 47 | | | | | | | | | | | | 58 | | | 46 | | | 40 | | | | | | | | |
| JD | 579 | .. | | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 |

| 2017 | Aug | P | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | | |
|------|-------|----|---|-----|-----|-----|-----|----|----|-----|-----|-----|-----|-----|----|-----|-----|-----|----|-----|-----|----|-----|-----|-----|-----|-----|----|----|-----|-----|-----|-----|-----|----|
| And | SW | RR | | 54 | 42 | | | 52 | 40 | | 62 | 50 | 39 | | 60 | 48 | 37 | | 58 | 46 | 35 | | 56 | 44 | 33 | 65 | 54 | 42 | | 63 | 52 | 40 | | 61 | |
| And | SY | L1 | 1 | | | | | | | | | 14\ | 19 | 24/ | | | | | | | | | | | | | | | | | | | | | |
| And | TW | S1 | | | 62 | | | | | | | | | | | | | | | | | | | | | | | | 36 | | 42s | | | 48 | |
| And | XX | 90 | | | | 49 | | | 38 | | 55 | | | 44 | | 61 | | | 50 | | | 39 | | | 45 | | 62 | 34 | | 51 | | | | | |
| And | CD | L1 | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 7\ | |
| And | OV | 90 | | | | 62 | 56 | | 51 | 45 | 39 | | | | 62 | 56 | 51 | 45 | 39 | 33 | | | 62 | 56 | 51 | 45 | 39 | 33 | | | 62 | 56 | 51 | 45 | |
| Aqr | SW | RR | 3 | 41 | | | 62 | 54 | 46 | 38 | | | 60 | 51 | 43 | 35 | | | 57 | 48 | 40 | | | | 54 | 46 | 37 | | | 51 | 43 | 35 | | | |
| Aqr | SX | 90 | | | | | 36 | | 43 | 50 | 57 | 64 | | | | 39 | 46 | 54 | 61 | | | | 36 | | | | | | 32 | 39 | 46 | 54 | | | |
| Aqr | CD | ES | | | 23 | | | | | 6 | | | | 90 | | | | | 74 | | | | | | | | | 42 | | | | | | 25 | |
| Aqr | HH | 90 | 2 | | | 46 | 61 | | | 48 | 63 | | | 50 | | | | | | | 39 | 54 | | | 42 | 56 | | 44 | 59 | | | | | 46 | |
| Aqr | LL | L1 | 3 | | | | | | | 96s | | | | | | | | | | | 5 | | | | | | | | | | | | | | |
| Aql | AA | RR | | 57 | | 38 | 47 | 55 | | 36 | 45 | 53 | | 34 | 42 | 51 | | | 40 | 49 | | | 38 | 47 | 55 | | 36 | 45 | | 53 | | 34 | 43 | 51 | |
| Aql | V341 | 90 | 3 | 56 | | | 45 | 61 | | | 50 | | | 39 | 54 | | | | | | | | | | 37 | 52 | | | 41 | | | | 46 | | |
| Aql | V889 | L1 | | | | | 55 | | | | 49s | | | | | | | | | | | | | | | | | 79 | | | | | 73s | | |
| Aql | V1353 | ES | | | 47 | | 59s | | | 42s | | 54 | | | 37 | | 50s | | | | | | | | | | 57s | | | | | 35 | | 47s | |
| Aql | V1426 | ES | | 35+ | 53s | 12+ | 29+ | 47 | 6+ | 23+ | 41+ | 58s | 17+ | 34+ | 52 | 11+ | 28+ | 46s | 4+ | 22+ | 39+ | 57 | 16+ | 33+ | 51s | 10+ | 27+ | 45 | 3+ | 21+ | 38+ | 56s | 15+ | 32+ | |
| Aql | V1430 | ES | | | 59s | 46s | | | 52 | 40 | | | 45s | | | 51 | 39 | | | 44s | | | 50 | | | | 37 | | | 49 | 36 | | | 42s | |
| Ari | X | RR | 3 | | | | | | 62 | | 58 | 53 | | | | | | | | | | | | | | | 60 | | 55 | | | | | 51 | |
| Ari | RS | L1 | 2 | | | | | | | | 17 | | | | | | | | 98 | | | | | | | | | | | | | | | 78 | |
| Aur | TZ | 90 | 3 | | | | | | | 61 | | | | | | | | | 62 | | | 58 | | | | | | | | | | | | 63 | |
| Aur | CQ | L1 | 3 | | 53s | | | | | 84 | | | | | | | | | | | | | | | | | | | | | | | | | 8 |
| Aur | IY | ES | | | | | | 53 | | | | | | | | | | | | | | | | | | | | | | | | | | | 67 |
| Aur | V432 | ES | | 58s | | | | | | | | | | | | | | | | | | | | | | | 61 | | | | | | | | |
| Boo | RS | RR | | 39 | | | 41 | | | 43 | | | 45 | | | | | | | | | | | | | | | 39 | | | | | | | 41 |
| JD | 579 | .. | | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | |

| 2017 | Aug | P | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | |
|------|------|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Boo | TW | 90 | 44 | 50 | | | | | | 36 | 42 | 48 | | | | | | 34 | 40 | 47 | | | | | 32 | 39 | 45 | | | | | | | |
| Boo | UU | 90 | | 48 | 39 | | | | 51 | 42 | | | | | 45 | 36 | | | | 47 | 39 | | | | 41 | 33 | | | | 44 | 35 | | | |
| Boo | UY | 90 | | 38 | | | | | | | | | | | | | | | 35 | | | | | | | | | | | | | | | |
| Boo | AC | ED | 50 | 38+ | 44s | 49s | 37 | 43 | 49 | 37s | 43s | 49s | 37 | 42 | 48 | 36s | 42s | 48s | 36 | 42 | 47 | 35s | 41s | 47s | 35 | 41 | 46 | 35s | 40s | 46s | 34 | 40 | 46 | |
| Boo | CM | 90 | | | | | 39 | | | | | | | | | | | 35 | | | | | | | | | | | | | | | | |
| Boo | CQ | 90 | 40 | | 37 | | 35 | | | | | | | 39 | | 37 | | 34 | | | | | | | | | 36 | | 33 | | | | | |
| Boo | CS | 90 | | | 43 | | | | | 41 | | | | | 39 | | | | | 37 | | | | | 35 | | | | 33 | | | | | |
| Cam | SS | ES | | | 2s | | 43 | | 84s | | | 25 | | 67s | | | 8 | | 49s | | 90 | | | 31s | | 72 | | 14s | | 55 | | 96s | | |
| Cam | SV | S1 | | 53s | 42 | 61 | 50s | 38 | 57 | 46s | 35 | 54 | 43s | 61s | 50 | 39s | 58s | 47 | 36+ | 54s | 43 | 62 | 51s | 40 | 58 | 47s | 36+ | 55 | 44s | 33+ | 51 | 40s | 59s | |
| Cam | AK | ES | 3 | | | 36s | 47 | 59s | | | | | | | 38 | 50s | | 61 | | | | | | | 40s | 52 | 63s | | | | | | | |
| Cam | AN | | | | | | | | | | | | | | 44s | | | | | 10 | | | | | | | | | | | | | | |
| Cam | AT | ES | 62 | | | 41 | | 51s | | 60 | | | 39 | | 49s | | 58 | | | 37 | | | 47s | | 56 | | 65s | 35 | | 45s | | 54 | | 63s |
| Cnc | RU | L1 | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cnc | RZ | L1 | 2 | | | | | | | | | | | | | | | | 4\ | 66 | / | 28/ | | | | | | | 86\ | \ | 48s | / | 10/ | |
| Cnc | ZZ | L1 | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | 71\ | 73 | 76/ | | | |
| CVn | W | 90 | 35 | 45 | | | | | 42 | | | | | 38 | | | | | 35 | | | | | | 42 | | | | 39 | | | | | |
| CVn | Z | 90 | | | | | 43 | | 39 | | 36 | | | | | | | | | | | | | | 40 | | 36 | | 32 | | | | | |
| CVn | RS | S1 | 39s | | | | | | | | | | | | 39 | | | | | | | | | | | | | | | | | | | |
| CVn | RZ | 90 | | | | 35 | | | | | | | | | | | | | 40 | | | | 37 | | | | 35 | | | 32 | | | | |
| Cas | RX | L1 | 2 | 35s | / | / | / | / | | | | | | | \ | \ | \ | \ | 52 | / | / | / | / | / | | | | | | \ | \ | \ | | |
| Cas | RZ | S1 | | | | | | 44 | 63 | | | | | 41 | 61 | | | | | 39 | 59 | | | | | 37 | 56 | | | | 34 | | 54 | |
| Cas | SX | L1 | 2 | | | | | | | | | | | | | | | | | | 11\ | 94 | / | 77/ | | | | | | | | | | |
| Cas | TV | S1 | | 50 | | | | | | | | | 56 | | 38 | | | | | | | | | | | 44 | | | | | | | | 50 |
| Cas | TW | S1 | | 49 | | | 35 | | | | 63 | | | 49 | | | 35 | | | | 63 | | | | 49 | | 34 | | | 63 | | | | |
| Cas | TX | ES | | | | | | 58s | | | 50s | | | | 43s | | 36s | | | | | | | | | 60 | | | 53 | | | | | 46 |
| Cas | AQ | L1 | 3 | | 54\ | 59s | 65/ | | | | 40\ | 45 | 51/ | | | 26\ | | 31s | 37/ | | | | | 12\ | 17 | 23/ | | 98\ | \ | 3s | 9/ | | | |
| Cas | DN | ES | | 49s | | | | | | | 43s | 58 | | | | | | 36s | 52 | | | | | | | 45 | 60s | | | | | | 38 | |
| Cas | GG | ES | | | | | | | | | | 59 | | | | 35 | | | | | | | | | | | | | | 38 | | | | |
| Cas | GU | EU | | | | | | | | | | | | | | | | | | 34 | | | 44 | | | 53 | | | 62 | | | | | |
| Cas | IL | ES | | | | | | | | | | | | | 63 | | | | | | | | | | | | | | 44 | | | | | |
| Cas | IT | EX | | | | | | | | | 60 | | | | 50 | | 64s | | 39 | | 54s | | | | 44s | | | | 33s | | | | | |
| Cas | OX | EX | | | 41s | | | | | | 39s | | | | 37s | | | | | 35s | 64 | | | | 32s | 62 | | | | | 60 | | | |
| Cas | PV | EX | 55s | 38 | | | | | 63 | 55s | 38 | | | | | 63 | 55s | 38 | | | | | 63 | 55s | 39 | | | | 64 | 55s | 39 | | | |
| Cas | V368 | ES | | | | | | | 37s | | 60 | | | | | | | | | 50 | | | | | | | | | 41 | | 63s | | | |
| Cas | V375 | ED | | 38s | | 59 | | | 54 | | | 49 | | | 43 | | 64s | 38 | | 59s | 33 | | 54s | | 48s | | | 43s | | 64 | 38s | | | |
| Cas | V381 | EX | 37 | | | | | 61 | 43s | 36 | | | | | 59 | 42s | 34 | | | | 65s | 58 | 40s | | | | | 64s | 56 | 38s | | | | |
| Cas | V459 | L1 | | | | 50 | | | | | 67s | | | 96 | | | | | | 12s | | | 42 | | | 58s | | | | 87 | | | | |
| Cep | RZ | 90 | 36 | 59 | 52 | 44 | 37 | 60 | 53 | 45 | 38 | 62 | 54 | 47 | 39 | 63 | 55 | 48 | 41 | 33+ | 57 | 49 | 42 | 34+ | 58 | 50 | 43 | 36+ | 59 | 52 | 44 | 37 | 60 | |
| Cep | VW | S1 | 42+ | 39+ | 36+ | 48+ | 45+ | 43+ | 40+ | 37+ | 35+ | 46+ | 43+ | 41+ | 38+ | 36+ | 47+ | 44+ | 42+ | 39+ | 37+ | 34+ | 45+ | 43+ | 40+ | 38+ | 35+ | 32+ | 44+ | 41+ | 39+ | 36+ | 33+ | |
| JD | 579 | .. | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | |

| 2017 | Aug | P | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | |
|------|-------|----|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Cep | XX | S1 | | 58 | | | | | | | 60 | | | | | | | 61 | | | | | | 62 | | | | | | | 63 | | | |
| Cep | XY | ES | | | | | | | | | | | 41 | | | | | | | | | | 51 | | | | | | | | | | | |
| Cep | ZZ | S1 | | | | | 46 | | | 61 | | | | | | | | | | | | 46 | | 60 | | | | | | | | | | |
| Cep | AI | ES | | | | | | | | | | | | | | 34s | | 45 | | 56s | | | | | | | | | | | | | | |
| Cep | CW | EX | | | | | | | 49 | | | | 51s | | | | | | | 41 | | | | 42s | | | 60 | | | 33 | 61s | | | |
| Cep | EI | L1 | | | 47 | | | | | 69s | | | 91 | | | | | 13s | | | | | 35 | | | 57s | | | 79 | | | | | |
| Cep | EX | L1 | 2 | | | | | | | | | | 50 | | | | | | | | | | | | | 93 | | | | | | | | |
| Cep | NN | ES | | | | | | | | | | | | | | | | | | | | | | | 33s | 36 | 39s | 42 | 45s | 48 | 50s | 53 | | |
| Cet | RR | RR | 2 | 58 | | | | 56 | | | | | 54 | 64 | | | | 52 | 62 | | | | 49 | 60 | | | 47 | 58 | | | | 45 | | |
| Cet | RV | 90 | 2 | | | | | | | | | | | | 64 | | | | | 63 | | | | | 62 | | | | 61 | | | | | |
| Cet | TU | ES | 2 | | 16 | | | 56 | | | | 95 | | | | | 34 | | | | | 73 | | | 12 | | | | 51 | | | | | |
| Cet | TV | L1 | | | | | 40 | | | | 89s | | | | 50 | | | | | 99s | | | | 60 | | | | | 10s | | | | | |
| Cet | XY | ES | 2 | | 63 | | | | | | 58s | | | | | | | 54 | | | | | | | | | | 66 | | | | | | |
| Com | S | 90 | | | 35 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CrB | U | S1 | | 39 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cyg | UY | RR | | | 46 | 58 | | 38 | 50 | 62 | | | 43 | 55 | | | 35 | 47 | 60 | | | | 40 | 52 | 64 | | 32 | 45 | 57 | | 37 | 49 | 61 | |
| Cyg | XZ | RR | | 42 | 36 | | 62 | 56 | 49 | 42 | 36 | | | 62 | 56 | 49 | 42 | 36 | | | 62 | 55 | | 49 | 42 | 35 | | 62 | 55 | 49 | 42 | 35 | | |
| Cyg | BO | ES | | | 55s | 43 | | | | | 58s | 45 | | | | | | 60s | 48 | 36s | | | | | 63s | 50 | 38s | | | | 65s | 53 | | |
| Cyg | BR | ES | | | | | | | | | | 64 | | 64s | | 64 | | 64s | | 64 | | | 64s | | 64 | 64s | | 63 | | 63s | | 63 | | |
| Cyg | DM | RR | | 43 | | 53 | 37 | 63 | 47 | | 57 | 41 | 51 | 35 | 61 | 45 | | 55 | 39 | 65 | 49 | 33 | 59 | 43 | 53 | 37 | 63 | 47 | | 57 | 41 | 66 | | |
| Cyg | EM | K1 | 3 | 52 | 39 | 55 | 43 | 59 | 46 | 63 | 50 | 37 | 54 | 41 | 57 | 44 | 61 | 48 | 35+ | 52 | 39 | 55 | 43 | 59 | 46 | 34+ | 50 | 37 | 54 | 41 | 57 | 44 | 32+ | 48 |
| Cyg | V367 | L1 | 2 | | | 22s | / | / | | | | \ | \ | 52 | / | / | | | | | \ | \ | 82s | / | / | | | | \ | \ | | | 12 | |
| Cyg | V463 | ES | | 47s | 53 | 59s | | | | | | | | | | | | | 36 | 42s | 47 | 53s | 59 | | | | | | | | | | | |
| Cyg | V477 | | | | 41 | | 46s | | | | 45 | | | 50s | | | | 49 | | | 54s | | | | 53 | | 58s | | | | | 57 | | |
| Cyg | V541 | L1 | | | | | | 46s | | | | | | | | 76 | | | | | | | 79s | | | | | | | | | 10 | | |
| Cyg | V548 | ES | | | 59s | 49 | 40s | | | | | | | 62s | 52 | 42s | | | | | | | 64s | 54 | 45s | 35 | | | | | | 67s | 57 | |
| Cyg | V788 | L1 | | | | | | | | | | | | | | | | | | 41\ | 36 | 32/ | | | | | | | | | | | | |
| Cyg | V891 | ES | | 41 | | | | | | | | | | | | | | | | 56 | | 47 | | 37 | | | | | | | | | | |
| Cyg | V909 | ES | | | | | | 46 | | | | | | | 48s | | | | | | | | | | | | | | 50s | | | 31s | | |
| Cyg | V1061 | ES | | | 40 | | | | | | | 44 | | | | | | | 48 | | | | | | 52 | | | | | | | | 56 | |
| Cyg | V1918 | ED | 3 | 42+ | 46s | 49 | 52s | 35+ | 38+ | 41+ | 45 | 48s | 51 | 34+ | 37+ | 40+ | 44+ | 47 | 50s | 33+ | 36+ | 40+ | 43+ | 46s | 49 | 32+ | 35+ | 39+ | 42+ | 45+ | 49s | 52 | 34+ | 38+ |
| Del | DX | 90 | | | 60 | 55 | 49 | 44 | 38 | | | | 64 | 58 | 53 | 47 | 42 | 36 | | | | | 62 | 56 | 51 | 45 | 40 | 34 | | | 60 | 54 | 49 | |
| Dra | RW | RR | | | 60 | 48 | 37 | | 59 | 47 | 36 | | 57 | 46 | 34 | | 56 | 44 | | | 54 | 43 | | 64 | 53 | 42 | | 63 | 52 | 40 | | 62 | 50 | 39 |
| Dra | SU | RR | | | 41 | | 39 | | 37 | | 35 | | | | | 64 | | 62 | | 60 | | 58 | | 56 | | 54 | | 52 | | 50 | | 49 | | 47 |
| Dra | SW | RR | | | 38 | 52 | | 36 | 50 | | | 35 | 49 | 63 | | 34 | 48 | | 62 | | 33 | 47 | 61 | | | 45 | 59 | | 44 | 58 | | | 43 | |
| Dra | TZ | ED | | 45s | | 62 | 48 | 35 | | 51s | 38s | | 54 | 41 | | 58s | 44s | | 61 | 47 | 34 | 64s | 50s | 37s | | 54 | 40 | | 57s | 43s | | 60 | 46 | 33 |
| Dra | VZ | 90 | | 61 | 57 | 53 | 50 | 46 | 42 | 39 | 35 | 63 | 60 | 56 | 52 | 48 | 45 | 41 | 37 | 34 | 62 | 58 | 55 | 51 | 47 | 44 | 40 | 36 | 32+ | 61 | 57 | 53 | 50 | 46 |
| Dra | WW | S1 | 3 | | | | | | | | | | | | | 34 | | | | | | | | | 60 | | | | | | | | | |
| Dra | XZ | RR | | 47 | 43 | 38 | | | | | 62 | 57 | 53 | 48 | 43 | 38 | 34 | | | | 63 | 58 | 53 | 48 | 44 | 39 | 34 | | | 63 | 58 | 54 | 49 | |
| JD | 579 | .. | | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 |

| 2017 | Aug | P | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | |
|------|------|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Dra | AI | S1 | 55 | | | | | 54 | | | | | 34 | 53 | | | | 91 | | 33 | 53 | | | | 32 | 52 | | | | | 32 | 52 | | |
| Dra | BF | | | | | | 70 | | | | | | | | | | | | | | | | | | | | | | 12 | | | | | |
| Dra | BK | 90 | 43 | 62 | | 39 | 58 | | 35 | 54 | | | 50 | | | 46 | 64 | | 42 | 60 | | 38 | 56 | | 34 | 52 | | | 48 | | | 44 | 63 | |
| Dra | BU | ES | | 39s | | | | | | | | | | | | | | | | | | | 53s | | 45 | | 36s | | | | | | | |
| Dra | DD | 90 | 45 | 43 | 41 | 39 | 37 | 35 | | | 62 | 60 | 58 | 56 | 54 | 52 | 50 | 48 | 46 | 44 | 42 | 40 | 38 | 37 | 35 | 33+ | 63 | 61 | 59 | 57 | 55 | 54 | 52 | |
| Dra | EX | K1 | 40+ | 45 | 50 | 55 | 39+ | 44 | 49 | 54 | 38+ | 43+ | 48 | 53 | 37+ | 42+ | 47 | 51 | 35+ | 40+ | 45 | 50 | 34+ | 39+ | 44+ | 49 | 33+ | 38+ | 43+ | 48 | 32+ | 37+ | 42+ | |
| Dra | GV | L1 | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Equ | S | S1 | | | | | | | | | | | | | | | | | | | | | | | 52 | | | | | | | | 39 | |
| Gem | U | K1 | 3 | | | | | | | | | | | | | | | | | | | | | | 65 | | | | 66 | | | 66 | | |
| Gem | RR | 90 | 3 | | | | | | | | | | | | | | | | | | | | 65 | | 64 | | 62 | | 61 | | 60 | | 58 | |
| Gem | RY | L1 | 3 | | | | | | | | | | | | | | | | | 78s | | | | | 43 | | | | 8s | | | | | |
| Gem | SV | ES | 1 | | | | | | | | | | | | | | | | | | | 58 | | | | 58 | | | 59 | | | | | |
| Gem | WW | ES | | | | | | | | | | | 64s | | | | | | 59s | | | | | | | 64 | | | | | 59 | | | |
| Gem | YY | S1 | | | | | | | | | | | | | | | | 62s | | 65 | | | | | | | | | 61 | | 65s | | | |
| Her | TW | RR | | 57 | 37 | 57 | 37 | 57 | 37 | 57 | 36 | 56 | 36 | 56 | 36 | 56 | 36 | 56 | 36 | 56 | 35 | 55 | 35 | 55 | 35 | 55 | 35 | 55 | 35 | 55 | 34 | | 34 | |
| Her | TX | S1 | | | | | | | | | | | | | | | | | | | | 35s | 38 | 41s | 44 | 47s | 50 | 53s | 56 | | | | | |
| Her | UX | ED | | 49 | | | | | | | | | | 34 | | | 43 | | | | | | | | | | | | | | | 37 | | |
| Her | VX | RR | | | 50 | 41 | | | | | | | | | 43 | 34 | | | | | 43 | 35 | | | | 44 | 35 | | | | 36 | | | |
| Her | VZ | 90 | | 43 | | | 51 | 39 | | | | | 56 | 44 | | | 52 | | | | | | 40 | | | 45 | 33 | 53 | 41 | | | 49 | 37 | |
| Her | AK | S1 | | 42 | 47s | 53 | 37 | 42s | 48 | | 37s | 43 | 48s | | 38 | 43s | 49 | | | | | 38s | 44 | 49s | 33s | 39 | 44s | | 34 | 39s | 45 | | 35 | |
| Her | AR | 90 | | | 59 | 53 | 47 | 41 | 35 | | | | 58 | 52 | 46 | 40 | 34 | | | | | 51 | 45 | 39 | 33 | | | | 50 | 44 | 38 | | 32 | |
| Her | AW | L1 | | | | | | | | 36 | | | | | | | | | 16 | | | | | | | | 96 | | | | | | | |
| Her | DI | L1 | | | | | 77s | | | 20 | | | | | | | | | | | | | 32s | | 75 | | | 87s | | | 30 | | | |
| Her | GU | EU | | 46 | | | | | | | | | | | | 49 | | | | | | | | | | | 35s | | | | | | | |
| Her | LV | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Her | MM | ES | | | 52 | | | | 50s | | | | 48 | | | | 46s | | | | | 44 | | | | 42s | | | 40 | | | | | 38s |
| Lac | RW | L1 | | 14 | | | | 26s | | | | | 51 | | | | | | | | | | 63s | | | | | 88 | 00s | | | | | |
| Lac | SW | S1 | | 47+ | 43+ | 40+ | 36+ | 48s | 44+ | 41+ | 37+ | 49 | 45+ | 41+ | 38+ | 34+ | 46+ | 42+ | 39+ | 35+ | 47+ | 43+ | 39+ | 36+ | 48+ | 44+ | 40+ | 37+ | 33+ | 45+ | 41+ | 38+ | 34+ | 46+ |
| Lac | UW | ES | | 94 | | | | | | | | | | | | | | | | | | | | | | 10 | | | | 39 | | | | |
| Lac | CO | EX | | | 55 | | | 63 | 38s | | | 46s | | | | 55s | 34 | | | | | | 63s | 43 | | | 51 | | | 43s | | 51s | | 31 |
| Lac | CZ | 90 | | 52 | 39 | | 55 | 41 | | 57 | 44 | | 60 | 46 | | 62 | 49 | 35 | | 51 | 37 | | | 40 | | 56 | 42 | 58 | 45 | | 61 | 47 | | 34 |
| Lac | V345 | EX | | | | 57 | | | 21s | | | | | | 6 | | 71s | | | | | | | | | 20s | | | 4 | | 69s | | | |
| Lac | V364 | EX | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 36 |
| Lyn | CD | ES | | | | | | | | | | | | | | | | | | | | | 57s | | | | | | | | | | | |
| Lyr | RR | RR | | | 43 | 57 | | | 40 | 53 | | | 37 | 50 | 64 | | 34 | | | | | | 47 | 60 | | | 44 | 57 | | | 37 | 51 | 64 | |
| Lyr | RZ | 90 | | 44 | 47 | 49 | 51 | 53 | 56 | 58 | 60 | 62 | | | | | | | | | | 34 | 36 | 38 | 41 | 43 | 45 | 47 | 50 | 52 | 54 | 56 | | |
| Lyr | UZ | S1 | | | | | | | | | | | 53s | 47 | 42s | 36 | | | | | | | | | | | | | 60 | 55s | 49 | 44s | | 38 |
| Lyr | CN | 90 | | 36 | 59 | 41 | | 47 | | 53 | 35 | 58 | 41 | | 46 | | 52 | 34 | | 58 | 40 | | 46 | 51 | 34 | 57 | 39 | 45 | | 51 | 33 | 56 | | 39 |
| Lyr | EZ | RR | | | 37 | 42 | 47 | 52 | 57 | 62 | | | | | | 35 | 40 | 45 | | 50 | 55 | 60 | | | | | 33 | 38 | 43 | 48 | 53 | 58 | | |
| JD | 579 | .. | | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 |

| 2017 | Aug | P | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | |
|------|-------|----|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|
| Lyr | IO | 90 | 3 | 36 | 51 | | 40 | 55 | | | 44 | 59 | | | 48 | | | 36 | 52 | | | 40 | 56 | | 44 | | | 33 | 48 | | | 37 | | |
| Lyr | beta | S1 | | | | | 39 | | | | | | 86s | | | | | | | 33 | | | | | 80s | | | | | | | 27 | | |
| Oph | U | ST | | | | | | | | 36 | | | | | 40 | | | | | 43 | | | | | | | | | 33s | | | | | |
| Oph | ST | 90 | 2 | | 43 | | | 48 | 38 | | | | 43 | | | | | 39 | | | | 44 | 34 | | | 39 | | | | 35 | | | | |
| Ori | Z | ES | 2 | | | | 42 | | | | | 62 | | | | | 82 | | | | | | 3 | | | | | 23 | | | | 43 | | |
| Ori | BM | ES | | | | | | | | | | | | | | | | | | | | | 14 | | | | | 61 | | | | | | |
| Ori | CP | ES | 2 | | | 98 | | | | | | 30 | | | | | 62 | | | | | 94 | | | | | 26 | | | | | 58 | | |
| Ori | DN | L1 | 2 | | | | | | | | | | | | | | | 16 | | | | | | | | | | | 13 | | | | | |
| Ori | FO | L1 | 2 | | | | | | | | | | | | | | | | | | | | | 98 | | | | | | | | | | |
| Ori | FT | EX | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 61s | | |
| Ori | V1016 | L1 | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 91 | | |
| Peg | U | S1 | | 55s | 49 | 42+ | 55s | 48 | 42+ | 55s | 48 | 42+ | 54s | 48 | 42+ | 54s | 48 | 42+ | 35+ | 48 | 41+ | 35+ | 48 | 41+ | 35+ | 47+ | 41+ | 35+ | 47+ | 41+ | 35+ | 34+ | | |
| Peg | VV | RR | | | | | 62 | 60 | 58 | 55 | 53 | 51 | 48 | 46 | 44 | 41 | 39 | 37 | 34 | | | | | | | 65 | 62 | 60 | 58 | 55 | 53 | 51 | | |
| Peg | VW | | | | | | | | | | | | | 32 | | | | | | | | | | | | | | | | | | | | |
| Peg | AV | RR | | 50 | | 46 | 63 | 41 | 58 | 36 | 53 | | 48 | | 44 | 61 | 39 | 56 | 34 | 51 | | 46 | 63 | 41 | 59 | 37 | 54 | 32 | 49 | 66 | 44 | 61 | 39 | |
| Peg | AW | L1 | | | | 38s | | | | | 69 | | | | | | 00s | | | | | 31 | | | 62s | | | | | | 93 | | | |
| Peg | BH | 90 | | 40 | | 61 | | 53 | | 45 | | 38 | | | 58 | | 50 | | 43 | | 35 | 63 | | 55 | | 48 | 40 | | 32 | 61 | | 53 | | |
| Peg | BK | ES | | | 62 | | | 37s | | | | | | | 60 | | | | 35s | | | | | | 58 | | | | 33s | | | | | |
| Peg | CG | 90 | | | 57 | 51 | 44 | 38 | | | | 58 | 52 | 45 | 38 | | | | 59 | 52 | 46 | 39 | 33 | | 66 | 60 | 53 | 46 | 40 | 33 | 67 | 60 | | |
| Peg | DF | L1 | | | | | | | | | | | | 7 | | | | | | | | | | | | | | 77 | | | | | | |
| Peg | DH | RR | 3 | 58 | 35+ | 37+ | 39 | 44 | 46 | 48 | 50 | 53 | 55 | 57 | 34+ | 36+ | 38+ | 40 | 42 | 45 | 47 | 49 | 51 | 53 | 56 | 32+ | 35+ | 37+ | 39+ | 41 | 43 | 46 | 48 | |
| Peg | GH | ES | | | | | 52s | | | | 36 | 63s | | | 47 | | | | | | 58 | | | | 42s | | | | 53s | | | | | |
| Peg | IP | K1 | | 51 | 46+ | 41+ | 36+ | 41+ | 36+ | 47+ | 42+ | 37+ | 48+ | 43+ | 37+ | 48+ | 43+ | 38+ | 33+ | 44+ | 39+ | 34+ | 44+ | 39+ | 34+ | 45+ | 40+ | 35+ | 46+ | 40+ | 35+ | 46+ | 41+ | |
| Per | RW | L1 | 2 | | | | | | | | | | 75 | | | | | | | | | | | | | 95 | | | | | | | | |
| Per | RY | ES | | | | 49 | | | | | | | | | | | | | | | | | 65s | | | | | | 51s | | | | | |
| Per | AG | EX | | | | | | | | | | | | | | | | | | | | | | 46 | | 49 | 46s | 52 | 49s | 55 | 52s | 58 | 55s | |
| Per | AR | 90 | | 58 | | | 56 | | 54 | | | 52 | | 64 | 49 | | 62 | 47 | | 60 | 45 | | 58 | 43 | | 56 | 41 | | 54 | 39 | | 52 | | |
| Per | AY | L1 | | | | | | | | | | | | | | | | | 36 | | | | | | | | | | | 14 | | | | |
| Per | IQ | | | | 44s | | | | | | 63 | | | | | | 64s | 60 | | | | | | 62s | 57 | | | | | 59s | 55 | | | |
| Per | KN | EU | | 58 | 45 | | 62s | 48s | | | 52 | | 55s | 42s | | 58 | | 45 | | 61s | 48s | | 65 | 51 | | 55s | 41s | | 58 | 45 | | 61s | | |
| Per | LX | L1 | | 9s | | | | 11 | | | | 13s | | | | 15 | | | | | 17s | | | 19 | | | | 21s | | | | 23 | | |
| Per | beta | S1 | | | 62s | | | 49s | | | | | | | | | | 53 | | | 39 | | | | | | 56s | | | 43s | | | | |
| Psc | RU | 90 | | 60 | | 55 | | | 46 | 63 | 41 | 58 | | 53 | | 48 | | 44 | 61 | 39 | 56 | | 51 | | 46 | 63 | 41 | 59 | 37 | 54 | | 49 | 66 | |
| Psc | RY | 90 | 2 | | | | 46 | 52 | 58 | | | | | | | 46 | 52 | 58 | 64 | | | | | 41 | 47 | 53 | 59 | 65 | | | | | 42 | |
| Psc | SS | 90 | | 48 | | 50 | | 51 | 53 | | 54 | | 56 | 42 | 57 | 43 | 59 | 45 | 60 | 46 | 61 | 48 | 63 | 49 | 64 | 51 | 37+ | 52 | 38 | 54 | 40 | 55 | 41 | |
| Sge | SY | ES | | 43 | | | | | | 51 | | | | | | | 59 | | 36s | | | | | | 44s | | | | | | | | 52s | |
| Ser | VY | RR | | | | 36 | | | | | 36 | | | | | 36 | | | | | 35 | | | | 35 | | | | | | | | | |
| Ser | AN | 90 | | | 37 | 42 | 46 | | | | | | | | | | 38 | 42 | | | | | | | | | | 34 | 39 | | | | | |
| Ser | BH | 90 | | | 37 | | | | 41 | | | | | | | 36 | | | 41 | | | | | | 36 | | | 40 | | | | | 31 | |
| JD | 579 | .. | | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 |

| 2017 | Aug | P | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | | |
|------|-------|----|---|-----|-----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|
| Ser | EG | L1 | | | | 61 | | | | | | | | | | 56 | | | | | 54s | | | | 51 | | | | | | | 48s | | 31 | |
| Ser | LX | K1 | | 44 | 39 | | 45 | 40 | 35 | 46 | 41 | 36 | | 42 | 37 | | 43 | 38 | 33 | | 39 | 34 | | 40 | 35 | | 41 | 36 | 32 | | 37 | 33 | | | |
| Tau | RW | S1 | 3 | | | | | | | | | | 55 | | | | | | | | | | | 62 | | | | | | | | | | | |
| Tau | CD | S1 | 3 | | | | | | | | | | | | | | | | | | | | | | 57s | | | | | | | | | | |
| Tau | EN | ES | 2 | | | | 62 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tau | V1094 | L1 | | | 4s | | 16 | | | | | | 3s | | | 15 | | | | | | 2s | | | 14 | | | | | | | 1s | | | |
| Tri | X | S1 | | 52 | 50 | 47 | 44 | | | | | | | | | | | | | | | | | | | | | | | | | 67 | | 35 | |
| Tri | RU | ES | 2 | | 52s | | | | 42 | | | | | | | | 59s | | | | | 49 | | | | 40s | | | | | | | | | |
| Tri | UX | 90 | | 44 | | | | 58 | 51 | 44 | | | | | 58 | 51 | 45 | 38 | | | 65 | 58 | 52 | 45 | 39 | | | 65 | 59 | 52 | 46 | 39 | | | |
| UMa | W | S1 | | | | | 60s | 61s | 61s | 61s | 61s | 61s | 61s | 61s | 61s | 61s | 61s | 61s | 62s | 62s | 62s | 62s | 62s | 62s | 62s | 62s | 62s | 62s | 62s | 62s | 62s | 62s | 62s | 62s | 32 |
| UMa | RV | RR | | 45 | 38 | | | | 53 | 47 | 40 | 34 | | | | 49 | | 42 | 36 | | | | | 45 | 38 | 32 | | | | | | 47 | | | |
| UMi | W | S1 | 3 | | | 55 | | | | | | 36 | | | | 46 | | | | | | 56 | | | | | | 37 | | | | | | | |
| Vir | CG | ES | | 35s | | | | | | 37 | | | | | | | | | | | | | | 33 | | | | | | | | | | | |
| Vul | Z | S1 | | | | | | | | | | 57 | | | | 48 | | | | | | 39 | | | | | | | | | | | | | |
| Vul | RR | ES | | | | 58 | | | | | 63 | | | | | | | | | | | | | | | | | | | | | | | | |
| Vul | BN | 90 | | 39 | 58 | | 36 | 55 | | 52 | | | 49 | | | 46 | | | 43 | | | 40 | 59 | | 37 | 56 | | 35 | 53 | | 32 | 50 | | | |
| Vul | DR | EX | | | | | | | 54s | 46 | | | | | | | | 55s | 47 | | | | | | | 55s | 47 | | | | | | | | |
| Vul | EV | ES | | | | 51 | | | | | | | | | | | | | | 62 | | | 45 | | | | | | | | | | | | |
| JD | 579 | .. | | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | | |

| 2017 | Spt | P | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | | | |
|------|-------|----|---|----|-----|-----|-----|----|-----|-----|-----|-----|-----|-----|----|-----|-----|----|-----|-----|-----|-----|-----|----|----|-----|-----|-----|-----|-----|----|-----|-----|--|--|
| And | SW | RR | | 50 | 38 | | 59 | 48 | 36 | | 57 | 46 | 34 | 67 | 55 | 44 | 32 | 65 | 53 | 42 | 30 | 63 | 52 | 40 | 28 | 61 | 50 | 38 | 71 | 59 | 48 | 36 | 69 | | |
| And | SY | L1 | 1 | | | | | | | | | | | | 5\ | 10 | 15/ | | | | | | | | | | | | | | | | | | |
| And | TW | S1 | | | 54s | | 60 | | 67s | | | | | | | | | | | | | | | | | | | | 28s | | 34 | | | | |
| And | XX | 90 | | 40 | | 57 | | 46 | | 63 | 35 | | 52 | | 69 | 41 | | 58 | 30 | | 47 | | 64 | 36 | | 53 | 70 | 42 | | 59 | 31 | | | | |
| And | CD | L1 | 2 | | 14s | / | 21/ | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| And | OV | 90 | | 39 | 33 | | 62 | 56 | 50 | 45 | 39 | 33 | | 68 | 62 | 56 | 50 | 45 | 39 | 33 | | 68 | 62 | 56 | 50 | 45 | 39 | 33 | 27 | 68 | 62 | 56 | | | |
| Aqr | SW | RR | 3 | | 56 | 48 | 40 | 32 | | 53 | 45 | 37 | 29 | | | 50 | 42 | 34 | | | | 47 | 39 | 31 | | | | 44 | 36 | 28 | | | | | |
| Aqr | SX | 90 | | | | 36 | 43 | 50 | 57 | | | | 32 | 39 | 46 | 53 | | | | | 28 | 36 | 43 | 50 | | | | 32 | 39 | 46 | | | | | |
| Aqr | CD | ES | | | | | 9 | | | | 93 | | | | | 77 | | | | | | 60 | | | 44 | | | | | | | | 28 | | |
| Aqr | HH | 90 | 2 | | | 48 | | 35 | 50 | | | 37 | 52 | | 39 | 54 | | | | | 41 | | 29 | 43 | | 31 | 46 | | | 33 | 48 | | | | |
| Aqr | LL | L1 | 3 | | | | | | 23 | | | | | | | | | | | | 32s | | | | | | | | 41 | | | | | | |
| Aql | AA | RR | | 32 | 41 | 49 | 30 | 39 | 47 | | | 37 | 45 | | | 35 | 43 | | | | 33 | 41 | | 31 | 39 | | | 29 | 37 | 46 | | | 27 | | |
| Aql | V341 | 90 | 3 | | 35 | 51 | | 40 | | | 44 | | | | 33 | 49 | | 38 | | | | | 43 | | | 32 | 47 | | | 36 | | | | | |
| Aql | V889 | L1 | | | | | | 91 | | | 85s | | | | | | | | | | 3 | | 97s | | | | | | | | 15 | | | | |
| Aql | V1353 | ES | | | | | 43 | | | | 38s | | 50 | | | 33 | | | | | 45s | | 28s | | 40 | | | | | 36s | | | | | |
| Aql | V1426 | ES | | 50 | 8+ | 26+ | 43s | 2+ | 20+ | 37+ | 55 | 14+ | 31+ | 49s | 7+ | 25+ | 42 | 1+ | 19+ | 36+ | 54s | 12+ | 30+ | 47 | 6+ | 24+ | 41+ | 59s | 17+ | 35+ | 53 | 11+ | 29+ | | |
| JD | 579 | .. | | 98 | 99 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| JD | 580 | .. | | | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | | | |

| 2017 | Spt | P | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | |
|------|-------|----|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|
| Aql | V1430 | ES | | | 48 | 35 | | 41s | | | | 47 | 34 | | | 40s | | 46 | 33 | | | | 39s | 27s | | 32 | | | 38s | 26s | | | |
| Ari | X | RR | 3 | 67 | | 62 | 58 | 53 | | 48 | | | 44 | | | 69 | | 65 | | 60 | | 55 | 19 | 51 | | 46 | | 41 | | 67 | | | |
| Ari | RS | L1 | 2 | | | 58 | | | | | | | 39 | | | | | | | | | | 19 | | | | | | | 99 | | | |
| Ari | AL | ES | | | | 66 | | | | | | | | | | | | | | 65 | | | | 40 | | | | | | | | | |
| Aur | TZ | 90 | 3 | | | 64 | 59 | 55 | | 51 | | | 65 | | 60 | | | 56 | | 52 | 70 | 48 | 65 | | 61 | | 57 | | 53 | 70 | 49 | 66 | |
| Aur | CQ | L1 | 3 | | | 40s | | | | 71 | | | | | | | | | | | | | | | | 64s | | | | | 95 | | |
| Aur | IY | ES | | 46 | | | | | | | | | | | 64 | | | 43 | | | | | | | | | | 60 | | | 40 | | |
| Aur | V432 | ES | | | | 48s | | 56s | | | | 64s | | | | | | | | | | | 43 | | 51 | | | 59 | | | 67 | | |
| Boo | RS | RR | | 33 | | | 35 | 37 | | | | | | | | 29 | | | | 31 | | | 33 | | | | | | | | 26 | | |
| Boo | TW | 90 | | 31 | 37 | 44 | | | | | | 36 | | | | | | 28 | 34 | | | | | | | | 32 | | | | | | |
| Boo | UU | 90 | | | | 38 | | | | 41 | 32 | | | | | 35 | | | | | | 37 | 29 | | | | | 31 | | | | | |
| Boo | AC | ED | | 34s | 39s | 45s | 33 | 39 | 45 | 33s | 39s | 44s | 32 | 38 | 44 | 32s | 38s | 44s | 32 | 37 | | 31s | 37s | | 31 | 37 | | 30s | 36s | | 30 | 36 | |
| Boo | CM | 90 | | | | | | | | | | 32 | | | | | | | | | | | 28 | | | | | | | | | | |
| Boo | CQ | 90 | | | | | | 33 | | 30 | | | | | | | | | | | | | | | | | | | | | | | |
| Boo | CS | 90 | | 31 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cam | SS | ES | | | 37 | | 78s | | | 19 | | 60s | | | 2 | | 43s | | 84 | | | 25s | | 66 | | 7s | | 48 | | 90s | | | |
| Cam | SV | S1 | | 48 | 37+ | 56s | 45 | 33+ | 52s | 41 | 30+ | 49s | 38+ | 56 | 45s | 34+ | 53 | 42s | 31+ | 49 | 38+ | 57s | 46 | 35+ | 53s | 42 | 31+ | 50s | 39+ | 28+ | 46s | 35+ | 54 |
| Cam | AK | ES | 3 | | 31s | 42 | 54s | 65 | | | | | | | 33 | 44s | 56 | 67s | | | | | | 35s | 46 | 58s | 69 | | | | | | |
| Cam | AN | | | | 44s | | | | | 9 | | | | | | | | | | | | | | | | 43s | | | | 9 | | | |
| Cam | AT | ES | | 33 | | 43s | | 52 | 61s | 31 | | 40s | | 50 | | 59s | 29 | 69 | 38s | | 48 | | 57s | 27 | 67 | 36s | 46 | | 55s | | 65 | | |
| Cnc | S | L1 | 3 | | | | 67 | | | | | | | | | | 15 | | | | | | | | | 64 | | | | | | | |
| Cnc | RU | L1 | 2 | | | 67 | | | | | | | | | | 85 | | | | | | | | | | | 2 | | | | | | |
| Cnc | RW | 90 | | | | | | | | | | | 64 | | | | | 66 | | | | | | | | 68 | | | 60 | 70 | | | |
| Cnc | RZ | L1 | 2 | | | | | 68\ | \ | 30 | 93/ | | | | | | | | | 50\ | \ | 12s | 75/ | | | | | | | 32\ | 95 | | |
| Cnc | TT | 90 | | | | | | | | | | | 68 | | | | | | | | | | | | | | 64 | | | | 71 | | |
| Cnc | TU | ES | 3 | | | | | | | 47 | | | | | | | 3 | | | | | 60 | | | | | | 16 | | | | | |
| Cnc | UU | L1 | 2 | | | | | | | | | | | | | | | | | | | | | | | | | \ | | | | | |
| Cnc | AQ | 90 | | | | | | | | | | | | | | | | | | | | | 66 | | | | | | 70 | | | | |
| CVn | W | 90 | | 35 | | | | 32 | | | | | | | | | | | | | | | | | 32 | | | | | 28 | | | |
| CVn | Z | 90 | | | | | | | | | | | | | | 32 | | 29 | | | | | | | | | | | 71 | | 67 | | |
| CVn | RZ | 90 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CMA | R | S1 | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | 71s | | | | |
| CMi | AM | ES | | | | | | | | | | | 65 | 67 | 69 | | | | | | | | | | | | | | | | | | |
| Cas | RX | L1 | 2 | \ | 69s | / | / | / | / | | | | | | | \ | \ | \ | \ | 86 | / | / | / | / | | | | | | | | \ | |
| Cas | RZ | S1 | | | | | 32 | 51 | | | | | 30 | 49 | 69 | | | | | | 47 | 66 | | | | 44 | 64 | | | | 42 | | |
| Cas | SX | L1 | 2 | | | | | | | | | | | | | | | | | | | | | | | 68\ | \ | 51 | / | 33/ | | | |
| Cas | TV | S1 | | 32 | | | | | | | 57 | | 38 | | | | | | | | 63 | | 44 | | | | | 69 | | 50 | | | |
| Cas | TW | S1 | | 49 | | | 34 | | | 63 | | | 48 | | | 34 | | | | | 63 | | | 48 | | 34 | | | 62 | | | | |
| Cas | TX | ES | | | 38 | | | 31 | | | | | | | 63s | | | 55s | | | | 48s | | | 41s | | 33s | | 26s | 72 | | | |
| JD | 579 | .. | | 98 | 99 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| JD | 580 | .. | | | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | |

| 2017 | Spt | P | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | | | |
|------|------|----|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|--|
| Cas | AQ | L1 | 3 | 84\ | 89 | 95/ | | | 70\ | 76s | 81/ | | | | 56\ | 62 | 67/ | | | | 42\ | 48s | 53/ | | | 28\ | 34 | 39/ | | | | | | | |
| Cas | DN | ES | | 54s | | | | | 31 | 47s | 63 | | | | | | 40s | 56 | | | | | 34s | 49 | 65s | | | | | 27s | 42 | | | | |
| Cas | GG | ES | | | | | | | | | 66 | | | | 42 | | | | | | | | | | 69 | | | | 45 | | | | | | |
| Cas | GU | EU | | | | | | | | | | | | | | | | | | | 28 | | 37 | | 46 | | | | | 56 | | | 65 | | |
| Cas | IL | ES | | | 34 | | | | | | | | | | | | | | | | | 60 | | | | | | | 51 | | | | | | |
| Cas | IT | EX | | | | | | | | | | | | | 67 | | | | 57 | | | | 46 | | 61s | 36 | | 51s | | | | | | | |
| Cas | OX | EX | | | 58 | | | | | 55 | | | | | 53 | | | | | 51 | | | | | 49 | 68s | | | 47 | 66s | | | | | |
| Cas | PV | EX | | | | 64 | 56s | 39 | 31s | | | | 64 | 56s | 39 | 31s | | | | | 64 | 56s | 39 | 31s | | 64 | 56s | 39 | 31s | | | | | | |
| Cas | V368 | ES | | | | | 31 | | 53s | | | | | | | | | 44s | | 66 | | | | | | 34s | 56s | 39 | 31s | | | | | | |
| Cas | V375 | ED | | 59 | 32s | | 54 | | 48 | | | 43 | | 64s | 38 | | 59s | 32 | | 53s | | | 48s | | 69 | 43s | 64 | 37s | | 58 | 32s | | | | |
| Cas | V381 | EX | | | 62s | 55 | 37s | | | | 60s | 53 | 35s | | | | | 59s | 51 | 33s | | | | 57s | 50 | 32s | | | | | | 56s | | | |
| Cas | V459 | L1 | | | | 4s | | | 33 | | | | 50s | | | 79 | | | | | 96s | | | | 25 | | | | 42s | | | | | | |
| Cep | RZ | 90 | | 53 | 45 | 38 | 31+ | 54 | 47 | 39 | 32+ | 55 | 48 | 40 | 33+ | 56 | 49 | 42 | 34+ | 58 | 50 | 43 | 35+ | 28+ | 51 | 44 | 37+ | 29+ | 53 | 45 | 38+ | 30+ | 54 | | |
| Cep | VW | S1 | | 31+ | 42+ | 40+ | 37+ | 34+ | 32+ | 43+ | 40+ | 38+ | 35+ | 33+ | 30+ | 41+ | 39+ | 36+ | 34+ | 31+ | 28+ | 40+ | 37+ | 35+ | 32+ | 29+ | 27+ | 38+ | 36+ | 33+ | 30+ | 28+ | 39+ | | |
| Cep | XX | S1 | | | | | 31 | | 64 | | | | | 32 | | 66 | | | | | 33 | | 67 | | | | 34 | | 68 | | | | | | |
| Cep | XY | ES | | | 61 | | 38 | | | | | | | | | | | 48 | | | | | | | | | | 58 | | | | | 35 | | |
| Cep | ZZ | S1 | | | 31 | | 45 | | 59 | | | | | | | | | | 30 | | 44 | | 58 | | | | | | | | | | | | |
| Cep | AI | ES | | | 35 | | 46s | | 58 | | | | | | | | | | | | | | 37s | | 48 | | 59s | | 70 | | | | | | |
| Cep | CW | EX | | | 34s | | | | 51 | | | 53s | | | | | | | 43 | | | | 44s | | | 62 | | | 35 | 63s | | | | | |
| Cep | EI | L1 | | | 1s | | | | 23 | | | 45s | | | 67 | | | | | | 89s | | | | 11 | | | | 33s | | | | | | |
| Cep | EX | L1 | 2 | | | | | | | 37 | | | | | | | | | | | | | | | | 80 | | | | | | | | | |
| Cep | NN | ES | | 56s | 59 | 62s | 65 | 68s | | | | | | | | | | | | | | | | | | | | | 29 | 32s | 35 | 38s | | | |
| Cet | RR | RR | 2 | 55 | 66 | | | 43 | 53 | 64 | | | 40 | 51 | 61 | | | | | | | | | | | | | 44 | 55 | 65 | | | | | |
| Cet | RV | 90 | 2 | | 59 | | | | | 58 | | | | | 57 | | | 68 | | | | | | | | | | | 53 | | | | | 65 | |
| Cet | TU | ES | 2 | 90 | | | | | 30 | | | 69 | | | | | | 8 | | | | 47 | | | 86 | | | | 25 | | | | | | |
| Cet | TV | L1 | | 71 | | | | | 20s | | | 81 | | | | | | 30s | | | | 91 | | | 41s | | | | | | | | | 2 | |
| Cet | XY | ES | 2 | | | 61s | | | | | | 56 | | | | | | | 51s | | | | 68 | | | 47 | | | | 64s | | | | | |
| CrB | U | S1 | | | | | | | | 36 | | | | | | | | | | | | | | | | | | | | | | | | | |
| CrB | RV | 90 | | | | | | | | | | | | | 43 | 43 | 42 | | | | | | 39 | 38 | 38 | 37 | 37 | 36 | 36 | 35 | 35 | 34 | | | |
| Cyg | UY | RR | | | 42 | 54 | | | 34 | 46 | 58 | | | 39 | 51 | | | | | | | | 31 | 43 | 56 | | 28 | 41 | 53 | | | | | 33 | |
| Cyg | XZ | RR | | | 62 | 55 | 49 | 42 | 35 | | | 62 | 55 | 48 | 42 | 35 | | | | | | | 62 | 55 | 48 | 42 | 35 | 42 | 35 | 28 | | | | 62 | |
| Cyg | BO | ES | | 41s | | | | | 68s | 55 | 43s | 31 | | | | 58 | 46s | | | | | | 34 | | | 36 | | | | 63 | 51s | 39 | | | |
| Cyg | BR | ES | | 63s | | 63 | | 63s | 30 | 63 | | 63s | | 63 | 29s | 62s | 29 | 62 | | | | | 29s | 62s | 29 | 62 | 29s | 62s | 29 | | 28s | | | 28 | |
| Cyg | DM | RR | | 50 | 34 | 60 | 44 | | 54 | 38 | 64 | 48 | 32 | 58 | 42 | | 52 | 36 | | | | | 62 | 46 | 30 | 56 | 40 | 28 | 54 | 38 | | | 48 | | |
| Cyg | EM | K1 | 3 | 35 | 52 | 39 | 55 | 43 | 30+ | 46 | 34 | 50 | 37 | 54 | 41 | 57 | 44 | 32 | | | | | 48 | 35 | 52 | 39 | 55 | 43 | 30 | 46 | 34 | 50 | | 44 | |
| Cyg | V367 | L1 | 2 | / | / | | | | | \ | \ | 41s | / | / | | | | | | | | 71 | / | / | / | | \ | \ | \ | 1s | / | / | | | |
| Cyg | V463 | ES | | | | | 36s | 41 | 47s | 53 | 59s | | | | | | | | | | | | | | 30s | 36 | 41s | 47 | 53s | | | | | | |
| Cyg | V477 | | | | 62s | | | | 61 | 32s | | | | 31 | | | 36s | | | | | | | | 40s | | | | 44s | | | | | | |
| Cyg | V541 | L1 | | | | | | | 13s | | | | | | | 44 | | | | | | | | | 47s | | | | | | | | | 78 | |
| JD | 579 | .. | | 98 | 99 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| JD | 580 | .. | | | | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | | |

| 2017 | Spt | P | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | | |
|------|-------|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|
| Cyg | V548 | ES | 47s | 38 | | | | | | | 60 | 50s | 40 | 30s | | | | | | 62 | 53s | 43 | 33s | | | | | | | 65 | 55s | 45 | 36s | |
| Cyg | V788 | L1 | | | | | | | | | | | 33\ | 29 | 24/ | | | | | | | | | | | | | | | | | | | |
| Cyg | V891 | ES | | | | | | | | 53 | | 43 | | 34 | | | | | | | | | | | | | | | | 49 | | | | |
| Cyg | V909 | ES | | | 52 | | | 32 | | | | 53s | | | 34s | | | | 54 | | | 35 | | | | | | | | 36s | | | | |
| Cyg | V1061 | ES | | | | | | 60 | | | | | 30 | | 64 | | | | | | 34 | | 68 | | | | | 38 | | | | | | |
| Cyg | V1918 | ED | 3 | 41+ | 44+ | 48 | 51s | 34+ | 37+ | 40+ | 43+ | 47+ | 50 | 33+ | 36+ | 39+ | 43+ | 46 | 49s | 32+ | 35+ | 38+ | 42+ | 45s | 28+ | 31+ | 34+ | 37+ | 41+ | 44 | 27+ | 30+ | 33+ | |
| Del | DX | 90 | | 43 | 38 | 32 | | | | 58 | 52 | 47 | 41 | 36 | 30 | | | | | 50 | 45 | 39 | 34 | 28 | | | | | 48 | 43 | 37 | 32 | 26 | |
| Dra | RW | RR | | 60 | 49 | 38 | | | 59 | 48 | 36 | | 58 | 46 | 35 | | 56 | 45 | 33 | | 55 | 43 | 32 | | 54 | 42 | 31 | | 52 | 41 | 29 | | 51 | |
| Dra | SU | RR | | 45 | | 43 | | | 41 | | 39 | | 37 | 69 | 35 | 68 | 34 | 66 | 32 | 64 | 30 | 62 | 28 | 60 | | 58 | | 56 | | 54 | | 53 | | |
| Dra | SW | RR | | 57 | | 42 | 56 | | | 40 | 54 | 68 | | 39 | 53 | 67 | | | 38 | 52 | 66 | | 37 | 51 | 65 | | 36 | 49 | 63 | | 34 | 48 | 62 | |
| Dra | TZ | ED | | 49s | 36s | | 53 | | 39 | | 56s | 42s | | 59 | 45 | 32 | | 49s | 35s | | 52 | 38 | | 55s | 41s | 28s | | 44 | 31 | | 48s | 34s | | |
| Dra | VZ | 90 | | 42 | 39 | 35 | 31+ | 60 | 56 | 52 | 49 | 45 | 41 | 38 | 34 | 30 | 59 | 55 | 51 | 47 | 44 | 40 | 36 | 33 | 29 | 57 | 54 | 50 | 46 | 43 | 39+ | 35 | 31 | |
| Dra | WW | S1 | 3 | | | | 49 | | | | | | | | | | | | | | | 38 | | | | | | | | 64 | | | | |
| Dra | XZ | RR | | 44 | 40 | 35 | | | 68 | 64 | 59 | 54 | 50 | 45 | 40 | 36 | 31 | | 69 | 64 | 60 | 55 | 50 | 46 | 41 | 36 | 31 | 27 | 70 | 65 | 60 | 56 | 51 | |
| Dra | AI | S1 | | | | | 31 | | 51 | | | | | 31 | 50 | | | | | 30 | 50 | | | | 29 | 49 | | | | | 29 | 49 | | |
| Dra | BF | | | 53s | | | | | | | 33 | | | | | | | | | | | 54 | | | | | | | | | | | 75 | |
| Dra | BK | 90 | | 40 | 59 | | 37 | | 55 | | 33 | 51 | | 29 | 47 | 65 | | 43 | 61 | | 39 | 58 | | 35 | 54 | | 31 | 50 | 68 | 27 | 46 | 64 | | |
| Dra | BU | ES | | | | | | | | | | | | | | 50s | | 42 | | 33s | | | | | | | | | | | | | | |
| Dra | DD | 90 | | 50 | 48 | 46 | 44 | 42 | 40 | 38 | 36 | 34+ | 32+ | 30+ | 61 | 59 | 57 | 55 | 53 | 51 | 49 | 47 | 45 | 43 | 41 | 39 | 37+ | 35+ | 33+ | 31+ | 29+ | 27+ | 58 | |
| Dra | EX | K1 | | 47 | 31+ | 36+ | 41+ | 46+ | 30+ | 35+ | 40+ | 45+ | 50 | 34+ | 39+ | 44+ | 49 | 33+ | 38+ | 43+ | 47+ | 31+ | 36+ | 41+ | 46+ | 30+ | 35+ | 40+ | 45+ | 29+ | 34+ | 39+ | 44+ | |
| Dra | GV | L1 | 3 | | | | | | | | | | | | | | 8 | | | | | | | | | | | | | | | | | |
| Equ | S | S1 | | | | | | | | | | | | | | | | | | | | | | | 44 | | | | | | | | | |
| Eri | SV | 90 | 2 | | | 67 | | | | | 67 | | | | | 66 | | | 52 | | 66 | | | 51 | | 66 | | | 51 | | 65 | | | |
| Gem | U | K1 | 3 | | 67 | | 62 | 68 | | 63 | | | 63 | 69 | | 64 | | 59 | 65 | | 59 | 65 | | 60 | 66 | | 61 | 67 | 55 | 62 | 68 | 56 | 62 | |
| Gem | RR | 90 | 3 | | 57 | | | | | | | | | | | 69 | | 68 | | 67 | | 65 | | 64 | | 62 | | 61 | | 60 | | 58 | | |
| Gem | RY | L1 | 3 | 73 | | | | | 38s | | | | | 3 | | | | 68s | | | | 33 | | | | 99s | | | | | | 64 | | |
| Gem | SV | ES | 1 | 60 | | | | 60 | | | | 61 | | | | 61 | | | | 62 | | | | 63 | | | 63 | | | | 64 | | | |
| Gem | WW | ES | | | | 54 | | | | 63s | | | | | 58s | | 68 | | | 54s | | | 63 | | 49s | | 58 | | | 68s | | 53 | | |
| Gem | YY | S1 | | | | | 57 | | | 60s | | 64 | | 67s | | | | | 56s | | 60 | | 63s | | 67 | | 70s | 52s | | 55 | | 59s | | |
| Gem | V339 | EU | 2 | | | | | | | 59 | | | | | | | | | | | | | | | | | | | | | | | 63 | |
| Her | TW | RR | | 34 | | 34 | | 34 | | 33 | | 33 | | 33 | | 33 | | 33 | | 32 | | 32 | | 32 | | 32 | | 32 | | 31 | | 31 | | |
| Her | TX | S1 | | | | | | | | | | | | | | | | | | | | | 28 | 31s | 33 | 36s | 39 | 42s | 45 | | | | | |
| Her | UX | ED | | 47 | | | | 34s | | | 44s | | | | 31 | | 41 | | | | | 28s | | | 38s | | | | | | | 35 | | |
| Her | VX | RR | | | 37 | | | | | | 38 | | | | 39 | 30 | | | | | | 31 | | | | | 32 | | | | | 33 | | |
| Her | VZ | 90 | | | 45 | 33 | | | | 42 | 30 | | 50 | 38 | | 46 | 34 | | | | 43 | 31 | | | 39 | 27 | | 35 | | | 43 | 31 | | |
| Her | AK | S1 | | 40s | 46 | | 35s | 41 | | 30s | 36 | 41s | | 31 | 36s | 41 | | 31s | 37 | | | 32 | 37s | | 27 | 32s | 37 | 27s | 33 | 38s | | 28 | | |
| Her | AR | 90 | | | | | 49 | | 43 | 37 | 31 | | | | | 48 | 42 | 36 | 30 | | | | | 47 | 41 | 35 | 29 | | | | | 40 | | |
| Her | AW | L1 | | | 76 | | | | | | | | | | 56 | | | | | | | | | 36 | | | | | | | | | 16 | |
| Her | DI | L1 | | | | | | 42s | | 85 | | | | | | | | | 97s | | | 40 | | | | | | | 52s | | 95 | | | |
| JD | 579 | .. | | 98 | 99 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| JD | 580 | .. | | | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | | |

| 2017 | Spt | P | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | | |
|------|------|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|--|
| Her | GU | EU | | | | | | | 38s | | | | | | | | | | | | | 41s | | | | | | | | | | | | |
| Her | LV | | | | | | | 8 | | | | | | | | | | | | | | | | 51 | | | | | | | | | | |
| Her | MM | ES | | | | 36 | | | | | | | 32 | | | | | | | | | 30s | | | | | | | | | | | | |
| Hya | AI | L1 | | | | | | | | | | 26 | | | | | | | | | | | | 25s | | | | | | | | | | |
| Lac | RW | L1 | 25 | | | | | 37s | | | | | 62 | | | | | | | | | 74s | | | 55 | | 28 | | | | | | | |
| Lac | SW | S1 | 42+ | 38+ | 35+ | 31+ | 43+ | 39+ | 36+ | 32+ | 44+ | 40+ | 36+ | 33+ | 29+ | 41+ | 37+ | 34+ | 30+ | 42+ | 38+ | 34+ | 31+ | 27+ | 39+ | 35+ | 32+ | 28+ | 40+ | 36+ | 32+ | 29+ | | |
| Lac | UW | ES | | 68 | | | | | | 97 | | | | | | | | | | | | | | | 84 | | | | | | | | | |
| Lac | CO | EX | | 60s | 39 | | 68s | 48 | | | 56 | 31s | | 64 | 39s | | | | | | | 48s | | | 56s | 36 | | 64s | 44 | | | | | |
| Lac | CZ | 90 | 63 | 50 | 36 | 66 | 52 | 39 | 68 | 55 | 41 | | 57 | 43 | 30 | 59 | 46 | | | | | 32 | 62 | 48 | 35 | 64 | 51 | 37 | 67 | 53 | 40 | | | |
| Lac | V345 | EX | | | 53 | | | 18s | | | | | 3 | | 67s | | | | | | | | | | 52 | | 17s | | | | | | | |
| Lac | V364 | EX | | | | | | | | | | | 44s | | | | | | | | | | | | 41 | | | | | | | | | |
| Leo | RR | RR | | | | | | | | | | | | | | | | | | | | | | 70 | | | | | | | | | | |
| Leo | AM | S1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lyn | TY | ES | | | 66 | | | | | | | | | | | | | | | | | 66 | | | | | | | | | | | | |
| Lyn | CD | ES | | | | | | | | | | 59 | | | | | | | | | | | | | | | | | | | | | | |
| Lyr | RR | RR | 34 | 48 | 61 | | 31 | 44 | 58 | | | 41 | 55 | | | 38 | 51 | | | | 35 | 48 | | | 32 | 45 | | | | | | | | |
| Lyr | RZ | 90 | | | | | | | | | 30 | 32 | 34 | 37 | 39 | 41 | 43 | | | | 46 | 48 | 50 | 52 | | | | | | | | | | |
| Lyr | UZ | S1 | 33s | | | | | | | | | | | | | 57s | 51 | | | | 46s | 41 | 35s | 30 | | | | | | | | | | |
| Lyr | CN | 90 | | 44 | | 50 | 32 | | 38 | | 44 | | 49 | 32 | | 37 | | | | | 43 | | 49 | 31 | | | 37 | | 42 | | 48 | | | |
| Lyr | EZ | RR | | 31 | 36 | 41 | 46 | 51 | 56 | | | | | 29 | 34 | 39 | 44 | | | | 49 | 54 | | | | | 27 | 32 | 37 | 42 | | | | |
| Lyr | IO | 90 | 3 | 52 | | | 41 | | | 45 | | | 33 | 49 | | | 37 | | | | | | 41 | | | | 30 | 45 | | | | | | |
| Lyr | beta | S1 | | | | | | 74s | | | | | | | 21 | | | | | | | | | | | | | | | | | | | |
| Mon | UX | ES | 2 | | | | | | | | | | | 67 | | | 62s | | | | | 58 | | | | | 53s | | 48 | | | | | |
| Mon | VV | ES | 2 | | 53s | | 56 | | | | | | 61 | | | 63s | | | | | | 66 | | | | | | 71 | | | | | | |
| Mon | AR | L1 | 1 | | | | | 89\ | 74s | 58/ | | | | | | | | | | | 49\ | 34 | 19/ | | | | | | | | | | | |
| Mon | AT | ES | 2 | | | | | | | | | | | | | | 68 | | | | | | | | | | | | | | | | | |
| Mon | AV | ES | 2 | | | | | 36s | | | 83 | | | | | 31s | | | | | | | | | | | | | | | | | | |
| Mon | EZ | EU | 3 | | | | | | | | | | | 67s | | | 67s | | | | | | | | | | 69s | | | 70s | | | | |
| Mon | IL | ES | 2 | | | | | | | 16 | | | | 18 | | | | | | | | 21 | | | | | | | | 26 | | | | |
| Mon | V448 | ES | | | | | 66 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mon | V530 | EU | 3 | | | | | 64s | | | | | 63 | 68 | | | | | | | | | | | | | | | | | | | | |
| Mon | V634 | EU | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Oph | U | ST | | | | 36s | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Oph | ST | 90 | 2 | | 40 | | | | | | 35 | | | | | 31 | | | | | | 36 | | | | | 32 | | | | | | | |
| Ori | Z | ES | 2 | | | | 64 | | | | | | | | | | | | | | | | | | | | | 25 | | | | | | |
| Ori | BM | ES | | | | 8 | | | | | | 55 | | | | | | | | | | | | | | | | | | | | | | |
| Ori | CP | ES | 2 | | | | 90 | | | | | | 22 | | | | | | | | | | | | | | | | | | | | | |
| Ori | DN | L1 | 2 | | | | | | | | | | | 10 | | | | | | | | | | | | | | | | | | | | |
| Ori | EW | EX | | | | | | | | | | | | | | | | | | | | | | | | | | 65s | | | | | | |
| JD | 579 | .. | 98 | 99 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| JD | 580 | .. | | | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | | |

| 2017 | Spt | P | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | | |
|------|-------|----|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|
| Ori | FO | L1 | 2 | | | | | | | | | | | 78 | | | | | | | | | | | | | | | | | | | | |
| Ori | FT | EX | | 65 | | | | | | | | | | | | | | | | | 51s | 55 | | 66s | 70 | | | | | | | | | |
| Ori | GG | EX | | | | | | | | | | | | | | | | 66s | | | | | | | | | | | | | | | | |
| Ori | V536 | ES | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ori | V1031 | ES | 2 | | | | | 68 | | | | | | | | | | | | | | | | | 70 | | | | | | | | | |
| Peg | U | S1 | | 47+ | 41+ | 34+ | 47+ | 40+ | 34+ | 46+ | 40+ | 34+ | 46+ | 40+ | 34+ | 46+ | 40+ | 34+ | 46+ | 40+ | 34+ | 46+ | 33+ | 27+ | 39+ | 33+ | 27+ | 39+ | 33+ | 26+ | 39+ | 33+ | | |
| Peg | VV | RR | | 48 | 46 | 44 | 41 | 39 | 37 | 34 | 32 | 30 | | | | | | 62 | 60 | 58 | 55 | 53 | 51 | 48 | 46 | 44 | 41 | 39 | 37 | 34 | 32 | 30 | | |
| Peg | VW | | | | 39 | | | | | | | | | | | | | | | | | | | | 47 | | | | | | | | | |
| Peg | AV | RR | | 56 | 35 | 52 | | 47 | 64 | 42 | 59 | 37 | 54 | 32 | 50 | | 45 | 62 | 40 | 57 | 35 | 52 | 30 | 47 | | 43 | 60 | 38 | 55 | 33 | 50 | 28 | 45 | |
| Peg | AW | L1 | | | | | 24s | | | | | 55 | | | | | 87s | | | | | | 18 | | | | | 49s | | | | | | |
| Peg | BH | 90 | | | 45 | | 37 | 66 | 30 | 58 | | 50 | 43 | | 35 | 63 | | 55 | | 48 | | 40 | | 32 | 60 | | 53 | | 45 | | 37 | | | |
| Peg | BK | ES | | | | | | 56 | | | 31s | | | | | | | 54 | | | 29s | | | | | | | | 52 | | | 27s | | |
| Peg | CG | 90 | | 54 | 47 | 41 | 34 | | | 61 | 54 | 48 | 41 | 35 | | 62 | 55 | 48 | 42 | 35 | 29 | | | 56 | 49 | 43 | 36 | 29 | | | 56 | 50 | | |
| Peg | DF | L1 | | | | | | | | | | | 47 | | | | | | | | | | | | | | | 17 | | | | | | |
| Peg | DH | RR | 3 | 50 | 52 | 54 | 31+ | 33+ | 35+ | 38 | 40 | 42 | 44 | 46 | 49 | 51 | 53 | 30+ | 32+ | 34 | 36 | 39 | 41 | 43 | 45 | 47 | 50 | 52 | 28+ | 31+ | 33 | 35 | 37 | |
| Peg | GH | ES | | 36 | 64s | | | | 47 | | | 31s | 59 | | | | 42s | | | | | 53s | | | | 37 | | | | | | 48 | | |
| Peg | IP | K1 | | 36+ | 31+ | 42+ | 37+ | 31+ | 42+ | 37+ | 32+ | 43+ | 38+ | 33+ | 43+ | 38+ | 33+ | 44+ | 39+ | 34+ | 29+ | 39+ | 34+ | 29+ | 40+ | 35+ | 30+ | 41+ | 36+ | 31+ | 41+ | 36+ | 31+ | |
| Per | RW | L1 | 2 | | | | | | | 15 | | | | | | | | | | | | | | | | | | | | | | | | |
| Per | RY | ES | | | | | 37s | | | | | | | | | 67 | | | | | | | 53 | | | | | | | | 40 | | | |
| Per | AG | EX | | 61 | 58s | 64 | 61s | 66 | 64s | | 66s | | | | | | | | | | | | | | | | | | | | | | | |
| Per | AR | 90 | | 64 | 50 | | 62 | 47 | | 60 | 45 | | 58 | 43 | | 56 | 41 | 69 | 54 | 39 | 67 | 52 | 37 | 65 | 50 | 35 | 62 | 48 | 33 | 60 | 45 | 31 | 58 | |
| Per | AY | L1 | | | | | | | | | | 92 | | | | | | | | | | | | 69 | | | | | | | | | | |
| Per | IQ | | | | | | | 56s | 52 | | | | | 54s | 50 | | | | | | | 51s | 47 | | | | 70 | 49s | 45 | | | | | |
| Per | KN | EU | | 48s | | 64 | 51 | 38 | 68s | 54s | 41s | | 58 | 44 | | 61s | 48s | 34s | 64 | 51 | 37 | 67s | 54s | 41s | 71 | 57 | 44 | 31 | 61s | 47s | 34s | 64 | 51 | |
| Per | LX | L1 | | | | 25s | | | | 26 | | | | 28s | | | | 30 | | | | | | | | 34 | | | | | | | | |
| Per | beta | S1 | | | | | | 60 | | | 47 | | | 33 | | | | | | | 50s | | | 37s | | | 67 | | | | | 54 | | |
| Psc | RU | 90 | | 44 | 61 | 39 | 56 | 35 | 52 | | 47 | 64 | 42 | 59 | 37 | 54 | 32 | 50 | 67 | 45 | 62 | 40 | 57 | 35 | 52 | 30+ | 47 | 65 | 43 | 60 | 38 | 55 | 33+ | |
| Psc | RY | 90 | 2 | 48 | 53 | 59 | 65 | | | | 36 | 42 | 48 | 54 | 60 | | | | | | 37 | 43 | 49 | 55 | 61 | | 31 | 37 | 43 | 49 | 55 | | | |
| Psc | SS | 90 | | 57 | 43 | 58 | 44 | 59 | 46 | 61 | 47 | 34+ | 49 | 35+ | 50 | 36+ | 52 | 38+ | 53 | 39+ | 54 | 41+ | 56 | 42 | 57 | 44 | 30+ | 45 | 31+ | 47 | 33+ | 48 | 34+ | |
| Sge | SY | ES | | | | | | | | | 36 | | | | | | | | | | | | | | | | | 29s | | | | | | |
| Ser | AN | 90 | | | | | | | 31 | 35 | | | | | | | | | | | 31 | | | | | | | | | | | | 28 | |
| Ser | BH | 90 | | | | 35 | | | | | | 31 | | | | 35 | | | | | | | | | | | 30 | | | | | | 30 | |
| Ser | EG | L1 | | | | 46 | | | | | 43s | | | | | 40 | | | | | | | | | | 35 | | | | | | 32s | | |
| Ser | LX | K1 | | 39 | 34 | | | 35 | 30 | | 36 | 31 | | 37 | 32 | | | 33 | | | | | | 30 | | | 31 | | | | | 32 | 27 | |
| Sex | T | 90 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 71 | |
| Tau | RW | S1 | 3 | | | | | 47 | | | | | | | | | | | 54 | | | | | | | | | | | | 62 | | 39 | |
| Tau | CD | S1 | 3 | | | | 59 | | | | | | | | | | | | 61s | | | | | | | 48s | | | | | 64 | | | |
| Tau | EN | ES | 2 | | | | | 59s | | | | | 55s | | | | 50s | | | | | | | 70 | | | | | 66 | | | | | |
| Tau | V1094 | L1 | | 13 | | | | | 00s | | | 12 | | | | | | | | | | | | | | | 97s | | | | | | 10 | |
| JD | 579 | .. | | 98 | 99 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| JD | 580 | .. | | | | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | |

| 2017 | Spt | P | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | |
|------|-----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Tri | X | S1 | 61 | 58 | 56 | 53 | 50 | 47 | 44 | 41 | 38 | 36 | 33 | | | | | | | | | | | | | | | | | | | | |
| Tri | RU | ES | 2 | 57 | | | | 47s | | | | | 38 | | | | 64 | | | | | 55s | | | | | 45 | | 72 | | 35s | | |
| Tri | UX | 90 | | 66 | 59 | 53 | 46 | 39 | 33 | | 66 | 60 | 53 | 46 | 40 | 33 | | 67 | 60 | 53 | 47 | 40 | 33 | | 67 | 60 | 54 | 47 | 40 | 34 | 27 | 67 | |
| UMa | W | S1 | 63s | 63s | 63s | 63s | 30+ | 30+ | 30+ | 30+ | 30+ | 30+ | 64s | 64s | 64s | 64s | 64s | 64s | 64s | 64s | 65s | 48+ | 48+ | 48+ | 48+ | 48+ | 48+ | 48+ | 49+ | 49+ | 49+ | 49+ | 49+ |
| UMa | RV | RR | 34 | | | | | 42 | 36 | 30 | | | | | | | 38 | 32 | | | | | | 40 | 34 | 27 | 68 | | | | | 36 | |
| UMi | W | S1 | 3 | 47 | | | | 58 | | | | | 68 | | 38 | | | | | | 48 | | | | 59 | | 29 | | 69 | | 39 | | |
| Vir | CG | ES | | | | | | | 30 | | | | | | | | | | | | | | | | | | | | | | | | |
| Vul | Z | S1 | | | | | | | | | | | 49 | | | | | 40 | | | | | | | | | 31 | | | | | | |
| Vul | BN | 90 | | 47 | | | 45 | | | | 42 | | 39 | | | 36 | | | 33 | 52 | | 30 | | | | 27 | 46 | | 43 | | | 40 | |
| Vul | DR | EX | | | 55s | 47 | | | | | | 31s | | 56s | 48 | | | | | | 31s | | | 56s | 48 | | | | | 31s | | | |
| Vul | EV | ES | | | | 56 | | | 38 | | | | | | | | | | | | | | | 49 | | 31 | | | | | | | |
| JD | 579 | .. | 98 | 99 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| JD | 580 | .. | | | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | |

| 2017 | Okt | P | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 |
|------|-------|----|-----|----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|-----|-----|-----|-----|-----|----|-----|-----|-----|----|-----|-----|-----|-----|-----|-----|----|-----|-----|
| And | SW | RR | 57 | 46 | 34 | 67 | 55 | 44 | 32 | 65 | 53 | 42 | 30 | 63 | 51 | 40 | 28 | 61 | 49 | 38 | 26 | 59 | 47 | 36 | 24 | 57 | 45 | 34 | 22 | 55 | 43 | 32 | |
| And | SY | L1 | 1 | | | | | | | | | | | | | | | | 96\ | \ | 1 | 5/ | | | | | | | | | | | |
| And | TW | S1 | 40s | | 46 | | 52s | | | | 59 | 65s | | | | | | | | | | | | | | | | | | | | 26s | |
| And | XX | 90 | | 48 | | 65 | 37 | | 54 | 26 | 70 | 43 | | 60 | 32 | | 49 | | 66 | 38 | | 55 | 27 | 71 | 44 | | 61 | 33 | | 50 | 22 | 66 | 39 |
| And | CD | L1 | 2 | | | 52\ | \ | 58 | / | 65/ | | | | | | | | | | | | | | | | | | | | | | | |
| And | OV | 90 | 50 | 45 | 39 | 33 | 27 | 68 | 62 | 56 | 50 | 45 | 39 | 33 | 27 | 68 | 62 | 56 | 50 | 45 | 39 | 33 | 27 | 68 | 62 | 56 | 50 | 45 | 39 | 33 | 27 | | 62 |
| Aqr | SW | RR | 3 | | 42 | 33 | 25 | | 47 | 39 | 30 | | | | 44 | 36 | 28 | | | | 41 | 33 | 25 | | | | 38 | 30 | 22 | | | | 35 |
| Aqr | SX | 90 | | | 28 | 36 | 43 | 50 | | | | 25 | 32 | 39 | 46 | | | | | | 28 | 36 | 43 | | | | 25 | 32 | 39 | | | | |
| Aqr | CD | ES | | | | 12 | | | | 96 | | | | | 79 | | | | | | 63 | | | | 47 | | | | | 31 | | | |
| Aqr | HH | 90 | 2 | | 35 | 50 | | | 37 | | | | 39 | | | 26 | 41 | | | 28 | 43 | | | 31 | 45 | | | 33 | | | | 35 | |
| Aqr | LL | L1 | 3 | | | | | | 50s | | | | | | | | | | | 59 | | | | | | | | | 67s | | | | |
| Aql | AA | RR | 35 | 44 | | 25 | 33 | 42 | | | 31 | 40 | | | 29 | 38 | | | | 27 | 36 | | | 25 | 34 | | | 23 | 31 | | | 29 | |
| Aql | V341 | 90 | 3 | | 41 | | 30 | | | | 34 | | | | 39 | | | 28 | | | | 33 | | | | 37 | | | 26 | | | | 31 |
| Aql | V889 | L1 | | | 9s | | | | | | | 27 | | | | 21s | | | | | | | 39 | | | | 33s | | | | | | |
| Aql | V1353 | ES | | 31 | | 43s | | | 26s | | 38 | | | | | 33s | | | | | 28 | | 41s | | 24s | | | 36 | | | | | 31s |
| Aql | V1426 | ES | 46s | 5+ | 23+ | 40+ | 58 | 16+ | 34+ | 51s | 10+ | 28+ | 45 | 4+ | 21+ | 39+ | 57s | 15+ | 33+ | 50 | 9+ | 27+ | 44s | 3+ | 20+ | 38+ | 55 | 14+ | 32+ | 49s | 8+ | 25+ | 43 |
| Aql | V1430 | ES | | 31 | | | 37s | 25s | | | 30 | | | | 36s | | | 29 | | | 35s | | | | 28 | | | 34s | | | | 27 | |
| Ari | X | RR | 3 | 62 | | 58 | 53 | | 48 | | 44 | | 39 | 69 | 35 | 65 | | 60 | | 55 | | 51 | | | 46 | | 41 | 37 | 67 | 32 | 62 | | 58 |
| Ari | RS | L1 | 2 | | | | | | | 80 | | | | | | | | | 60 | | | | | | | | | 40 | | | | | |
| Ari | AL | ES | | | 64 | | | | 39 | | | | | | | | | | | | 63 | | | | 38 | | | | | | | | |
| Aur | TZ | 90 | 3 | 45 | 62 | | 58 | 54 | 71 | 50 | 67 | 45 | 63 | 41 | 59 | | 55 | 72 | 50 | 68 | 46 | 64 | 42 | 60 | 38 | 55 | 73 | 51 | 69 | 47 | 65 | 43 | 60 |
| Aur | CQ | L1 | 3 | | | | 26s | | | | | 57 | | | | | 89s | | | | | | 20 | | | | | 51s | | | | | 82 |
| Aur | IY | ES | | | | | | | | | | | 57 | | | 36 | | | | | | | | | 74 | | 54 | | | | 33 | | |
| JD | 580 | .. | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 |

| 2017 | Okt | P | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | |
|------|------|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Aur | V432 | ES | | | | | | | | 38s | | | 46s | | | 54s | | | 62s | | | 71s | | | | 33 | | | | | 41 | | 49 | |
| Boo | RS | RR | | 27 | | | 29 | | | | | | | | | | | 24 | 75 | | 25 | | | | | | | | 73 | 26 | | | 71 | |
| Boo | TW | 90 | | | | 31 | | | | | | | | 29 | | | | | | | 74 | 28 | | | | | | | | | | | | |
| Boo | UU | 90 | 34 | | | | | | 28 | | | | | 31 | | | | | | 25 | | | | | 27 | | | | | | | | | |
| Boo | AC | ED | 30s | 35s | | 29 | 35 | | 29s | 34s | | 28 | 34 | | 28s | 34s | | 27 | 33 | 74 | 27s | 33s | 74s | 27 | 32+ | 73 | 26s | 32+ | 73s | 26 | 32+ | 73 | 25s | |
| Boo | CQ | 90 | | | 26 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Boo | CS | 90 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cam | SS | ES | | 31 | | | 72s | | 13 | | 54s | | 95 | | | 36s | | 78 | | | 19s | | | | 1s | | 42 | | 83s | | | 24 | | |
| Cam | SV | S1 | 43s | 32+ | 51 | 40+ | 29+ | 47 | 36+ | 25+ | 44+ | 33+ | 51s | 40+ | 29+ | 48s | 37+ | 26+ | 44+ | 33+ | 52 | 41+ | 30+ | 48 | 37+ | 26+ | 45+ | 34+ | 23+ | 41+ | 30+ | 49s | 38+ | |
| Cam | AK | ES | 3 | 26s | 37 | 49s | 60 | 71s | | | | | 28 | 39s | 51 | 62s | 73 | | | | | | 30s | 41 | 53s | 64 | 75s | | | | | | 32 | |
| Cam | AN | | | | | | | | | | | | | | | | 43s | | | | 9 | | | | | | | | | | | | | |
| Cam | AT | ES | | 34s | | 44 | | 53s | | 62 | 32s | 72s | 42 | | 51s | | 60 | 30s | 70s | 40 | | 49s | | 58 | 28s | 68s | 38 | 47s | | 56 | 26s | 66s | 35 | |
| Cnc | S | L1 | 3 | | | | 12 | | | | | | | | 61 | | | | | | | | | | | 9 | | | | | | | | |
| Cnc | RU | L1 | 2 | | | | 19 | | | | | | | | | | 36 | | | | | | | | | | 54 | | | | | | | |
| Cnc | RW | 90 | | | | 62 | 72 | | | | | 64 | 74 | | | | 57 | | 66 | | | | | 59 | 68 | | | 51 | 61 | 70 | | | | |
| Cnc | RZ | L1 | 2 | | 57/ | | | | | | | 14\ | 77s | / | 39/ | | | | | | | 97\ | \ | 59 | / | 21/ | | | | | | | 79\ | |
| Cnc | TT | 90 | | | 65 | | | | 60 | 72 | | | | 67 | | | | 61 | 74 | | | 56 | 68 | | | | 63 | 75 | | 57 | 70 | | | |
| Cnc | TU | ES | 3 | 72 | | | | | 28 | | | | | 84 | | | | | | 40 | | | | | 96 | | | | | | | | | |
| Cnc | TW | L1 | 2 | | | | | | 98\ | \ | 4 | 10/ | | | | | | | | | | | | | | | | | | | | | | |
| Cnc | UU | L1 | 2 | \ | \ | \ | \ | \ | \ | \ | 14s | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | |
| Cnc | ZZ | L1 | 2 | | | | | | | | | | | | | | | | | 90\ | 92 | 95/ | | | | | | | | | | | | |
| Cnc | AQ | 90 | | 63 | | | | | | 67 | | | | | 60 | 70 | | | | | | | | | | 57 | 67 | | | | 61 | | 71 | |
| CVn | W | 90 | | | | | | | | | | | | | 73 | 28 | | | | | 70 | 25 | | | | | | | 73 | | | | | |
| CVn | Z | 90 | | | 29 | | 25 | | | | | | | | | | 71 | | 67 | | | 64 | | | | | | | | | | | 75 | |
| CVn | RS | S1 | | | | | | | | | | | | | | | | | | | | | | | | | | 75s | | | | | | |
| CVn | RZ | 90 | | | | | | | | | | | | | 71 | | | | | | | | | | | | | 76 | | | | 73 | | |
| CMa | R | S1 | 3 | 69 | | | | | | | | | | | | | | | | 72 | | | | 70s | | | 68 | | | | | 65s | | |
| CMi | AM | ES | | | | | | | | | | | | | | | | | | | | | | | | | | | 54 | 56 | 58 | | 60 | |
| Cas | RX | L1 | 2 | \ | \ | \ | \ | 3s | / | / | / | / | | | | | | | \ | \ | \ | \ | 20 | / | / | / | / | | | | | | | |
| Cas | RZ | S1 | | 61 | | | | | 40 | 59 | | | | 37 | 57 | | | | | | | 35 | 54 | 74 | | | 32 | 52 | 71 | | | 30 | 50 | |
| Cas | SX | L1 | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 24\ |
| Cas | TV | S1 | | 32 | | | | | | 57 | | 38 | | | | | | | 63 | | 44 | | 26 | | | | 69 | | 51 | | 32 | | | |
| Cas | TW | S1 | | 48 | | | 34 | | | 62 | | | 48 | | | 34 | | | | | | 62 | | 48 | | 33 | 76 | | | 62 | | | 48 | |
| Cas | TX | ES | | | 65 | | | 58 | | 50 | | | 43 | | | 36 | | | 29 | 75s | | | 68s | | | 60s | | | 53s | | | 46s | | |
| Cas | AQ | L1 | 3 | 14\ | 20s | 25/ | | | 0\ | 6 | 11/ | | 86\ | 92s | 97/ | | | | | | | 73\ | 78 | 83/ | | | 59\ | 64s | 69/ | | 45\ | 50 | | |
| Cas | DN | ES | | 58s | | | | | 36 | 51s | 67 | | | | | 29 | 45s | 60 | | | | | | 38s | 53 | 69s | | | | 31s | 47 | | 62s | |
| Cas | GG | ES | | | | | | | | | 73 | | | | | 49 | | | 25 | | | | | | | | | | | 52 | | | | |
| Cas | GU | EU | | | | | | | | | | | | | | | | | | | | | | 30 | | 40 | | | | 49 | | | 58 | |
| Cas | IL | ES | | | | 41 | | | | | | | 31 | | | | | | | | | | 67 | | | | | | | 57 | | | | |
| JD | 580 | .. | | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 |

| 2017 | Okt | P | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 |
|------|------|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Cas | IT | EX | 40s | | | | 30s | | | | | | | | | | | | 74 | | | | 63 | | | | 53 | | 68s | | 43 | | |
| Cas | OX | EX | | | 45 | 64s | | | | 43 | 62s | | | | 41 | 60s | | | | 38 | 58s | | | 36 | 56s | | | | 34 | 54s | | | |
| Cas | PV | EX | | 65 | 56s | 40 | 31s | | | | 65 | 57s | 40 | 32s | | | | 65 | 57s | 40 | 32s | | | 65 | 57s | 40 | 32s | | | 65 | 57s | | |
| Cas | V368 | ES | | | | | | 47 | | 70s | | | | | | | 37 | | 60s | | | | | 28 | | | 50s | | 73 | | | | |
| Cas | V375 | ED | | 53 | 27s | | 48 | | 69s | 42 | | 63s | 37 | | 58s | 32 | | 53s | 26 | 74 | 47s | | 69 | 42s | | 63 | 37s | | 58 | 32s | | 53 | 26s |
| Cas | V381 | EX | 48 | 30s | | | | 72 | 54s | 47 | 29s | | | | 70 | 52s | 45 | 27s | | | | 69 | 51s | 43 | 25s | | | 67 | 49s | 42 | 24s | | |
| Cas | V459 | L1 | | 71 | | | | 87s | | | | | 17 | | | | 33s | | | | 62 | | | 79s | | | | 8 | | | | | |
| Cep | RZ | 90 | 46 | 39+ | 32+ | 55 | 48 | 40+ | 33+ | 25+ | 49 | 41+ | 34+ | 27+ | 50 | 43+ | 35+ | 28+ | 51 | 44+ | 36+ | 29+ | 53 | 45 | 38+ | 30+ | 23+ | 46 | 39+ | 32+ | 24+ | 48 | 40+ |
| Cep | VW | S1 | 37+ | 34+ | 31+ | 29+ | 26+ | 37+ | 35+ | 32+ | 30+ | 27+ | 25+ | 36+ | 33+ | 31+ | 28+ | 25+ | 23+ | 34+ | 32+ | 29+ | 26+ | 24+ | 35+ | 33+ | 30+ | 27+ | 25+ | 22+ | 34+ | 31+ | 28+ |
| Cep | XX | S1 | | 35 | | 69 | | | | | 37 | | 70 | | | | | 38 | | 72 | | | | 39 | | 73 | | | | | | 40 | |
| Cep | XY | ES | | | | | | | 68 | | | | 45 | | | | | | | | | | 55 | | | 33 | | | | | | | |
| Cep | ZZ | S1 | | 29 | | 43 | | 58 | | 72 | | | | | | | | 29 | | 43 | | | 57 | | 71 | | | | | | | | |
| Cep | AI | ES | | | | | | | 27s | | 38 | | | 49s | | 60 | | 72s | | | | | | | | | | 28 | | 39s | | | 51 |
| Cep | CW | EX | | 36s | | | | 53 | | | 26 | 55s | | | 28s | 72 | | | 45 | 73s | | | 46s | | | 64 | | | 37 | 65s | | | |
| Cep | EI | L1 | 55 | | | | 77s | | | | 99 | | | | | 21s | | | | | 43 | | | 65s | | | 87 | | | | | | 9s |
| Cep | EX | L1 | 2 | | | | 24 | | | | | | | | | | | | | 67 | | | | | | | | | | | | | |
| Cep | NN | ES | 41 | 44s | 47 | 50s | 53 | 55s | 58 | 61s | 64 | 67s | 70 | 73s | | | | | | | | | | | | | | | | | 22 | | 25s |
| Cet | RR | RR | 2 | 42 | 52 | 63 | | 39 | 50 | 61 | | | 37 | 48 | 58 | | | 35 | 46 | 56 | | | 33 | 43 | 54 | | 30 | 41 | 52 | | | 28 | |
| Cet | RV | 90 | 2 | | 52 | | 63 | | | | 62 | | | 49 | | | | | 48 | | | | | 47 | | | | 45 | | | | | |
| Cet | TU | ES | 2 | | 64 | | | | 3 | | | | 43 | | | 82 | | | | | | 21 | | | 60 | | | | 99 | | | | |
| Cet | TV | L1 | | | 51s | | | | | 12 | | | | 61s | | | | | 22 | | | | 72s | | | | 33 | | | | 82s | | |
| Cet | XY | ES | 2 | 42s | | | 59 | | | | | | | 54s | | | | | | 49 | | | | | 66s | | 33 | 44s | | | 61 | | |
| Com | S | 90 | | | | | | | | | | | 74 | | | | | | | | | | 71 | | | | | | 75 | | | | 68 |
| Com | ST | 90 | | | | | | | | | | | | | | | | | | | | | | 75 | | 75 | | | 74 | | | | 74 |
| CrB | U | S1 | | | | | | | | | | | | | | | | | | | | | | 24 | | | | | | | | | |
| CrB | RV | 90 | 34 | 33 | 33 | 32 | 32 | 31 | 31 | 30 | 30 | 29 | 29 | 28 | 28 | 27 | 27 | 26 | 26 | 25 | 25 | 24 | 24 | 23 | 23 | | 22 | | | | | | |
| Cyg | UY | RR | 45 | 57 | | 26 | 38 | 50 | | | 30 | 42 | 54 | | | 35 | 47 | | | | 27 | 39 | 52 | | | 32 | 44 | | 24 | 37 | 49 | | |
| Cyg | XZ | RR | 55 | 48 | 42 | 35 | 28 | | 61 | 55 | 48 | 41 | 35 | 28 | | 61 | 55 | 48 | 41 | 35 | 28 | | | 55 | 48 | 41 | 35 | 28 | | 54 | 48 | 41 | |
| Cyg | BO | ES | 26s | | | | | 53s | 41 | 29s | | | | | 56s | 43 | 31s | | | | | 58s | 46 | 34s | | | | | 48 | 36s | 24 | | |
| Cyg | BR | ES | | 28s | | 28 | | 28s | | 28 | | 28s | | 27 | | 27s | | 27 | | 27s | | 27 | | 27s | | 27 | | 27s | | 27 | | 26s | |
| Cyg | DM | RR | 31 | 57 | 41 | 25 | 51 | 35 | | 45 | 29 | 55 | 39 | | 49 | 33 | | 43 | 27 | 53 | 37 | | 47 | 31 | | 41 | 25 | 51 | 35 | | 45 | 29 | |
| Cyg | EM | K1 | 3 | 32 | 48 | 35 | | 26 | 43 | 30 | 46 | 34 | | 37 | 24 | 41 | 28 | 44 | 32 | | 35 | 23 | 39 | 26 | 43 | 30 | | 34 | | 37 | 24 | 41 | 28 |
| Cyg | V367 | L1 | 2 | | | \ | \ | \ | 31 | / | / | | | | | \ | \ | 61s | / | / | | | | | \ | \ | 91 | | / | / | | | |
| Cyg | V463 | ES | | | | | | | | | 30 | 35s | 41 | 47s | | | | | | | | | | | | | 24 | 29s | 35 | 41s | | | |
| Cyg | V477 | | | 43 | | | 48s | | | | 47 | | | | | | | | | | | | | | | 25s | | | 25 | | | | 30s |
| Cyg | V541 | L1 | | | | | | 81s | | | | | | | | 12 | | | | | | | | 14s | | | | | | | | 45 | |
| Cyg | V548 | ES | 26 | | | | | | 58s | 48 | 38s | 29 | | | | | | 60s | 51 | 41s | 31 | | | | | | 53 | 44s | 34 | 24s | | | |
| Cyg | V788 | L1 | | | | | 26\ | 21 | 17/ | | | | | | | | | | | | | | | | | | | | | 18\ | 14 | | 9/ |
| Cyg | V891 | ES | 39 | | 30 | | | | | | | | | | | | | | | | | 45 | | 36 | | 26 | | | | | | | |
| JD | 580 | .. | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 |

| 2017 | Okt | P | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | | |
|------|------|----|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|
| Hya | AI | L1 | | | | | 13 | | | | | | | | 42 | | | | 12s | | | | 71 | | | | 41s | | | | | 99 | | | |
| Hya | ET | 90 | 2 | | | | | | | | | | | | | | | | | | 68 | | 74 | | | | | | | | | 65 | | | |
| Lac | RW | L1 | | 36 | | | | | | 48s | | | | 73 | | | | | 85s | | | | | | 10 | | | | | | 22s | | | | |
| Lac | SW | S1 | | 41+ | 37+ | 33+ | 30+ | 26+ | 38+ | 34+ | 31+ | 27+ | 39+ | 35+ | 31+ | 28+ | 24+ | 36+ | 32+ | 29+ | 25+ | 37+ | 33+ | 29+ | 26+ | 38+ | 34+ | 30+ | 27+ | 23+ | 35+ | 31+ | 27+ | 24+ | |
| Lac | UW | ES | | | | | 42 | | | | | | | | | | | | | | | | | | | | 58 | | | | | | 87 | | |
| Lac | CO | EX | | 69 | 44s | | | 52s | 32 | | 61s | 40 | | 69s | 49 | 24s | | 57 | 32s | | 66 | 40s | | 74 | 49s | 28 | 57s | 37 | | 66s | 45 | | | | |
| Lac | CZ | 90 | | 45 | 31 | 61 | 47 | 33 | 63 | 49 | 36 | 65 | 52 | 38 | 25+ | 54 | 41 | 27 | 57 | 43 | 30 | 59 | 46 | 32 | 62 | 48 | 34 | 64 | 51 | 37 | 23 | 53 | 39 | 26 | |
| Lac | V345 | EX | | | | 50 | | 15s | | | | 99 | | | | 64s | | | | | 49 | | 13s | | | | | | | 63s | | | | | |
| Lac | V364 | EX | | | | 50s | | | | | | | | | | 47 | | | | | | | | | | | 55s | | | | | | | | |
| Leo | RR | RR | | 65 | | | 73 | 63 | | | | 70 | 61 | | | | 68 | 58 | | | 75 | 66 | | | | 73 | 63 | | | | 70 | 61 | | | |
| Leo | SS | RR | 3 | | | | | | | | | | | | | | | | | | | | | | | | | 71 | | | | | | 72 | |
| Leo | ST | RR | 2 | | | | | 72 | | | | | | | | | | | 72 | | | | | | | | | | 75 | 71 | 67 | | | | |
| Leo | WY | ES | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 75 | |
| Leo | AG | ES | | | | | | | | | | | | | | | 60 | | | | | | | | | | | | | | | | | | |
| Leo | AM | S1 | | | | | | | | | 69s | | 70 | | 71s | | 72 | | 74s | | 75 | 66s | | 67 | | 69s | | 70 | | 71s | | 72 | | 64s | |
| Lyn | TY | ES | | | | | | | | | | | | 64 | | | | | | | | | | | | 64 | | | | | | | | | |
| Lyn | CD | ES | | | | | 61s | | | | | | | 44 | | 71s | | | | | | | 54 | | | | | | | 36s | | 63 | | | |
| Lyr | RR | RR | | 39 | 52 | | | 49 | | | | 32 | 46 | | | | | | 26 | 39 | | | 23 | 36 | 49 | | 33 | 46 | | | 30 | | 43 | | |
| Lyr | RZ | 90 | | 28 | 30 | 33 | 35 | 37 | 39 | 42 | 44 | 46 | | | | | | | | | | | | 24 | 27 | 29 | 31 | 33 | 36 | 38 | 40 | | | | |
| Lyr | UZ | S1 | | 54 | 48s | 43 | 37s | 32 | 26s | | | | | | | | | | | | | | 45 | 39s | 34 | 29s | 23 | | | | | | | | |
| Lyr | CN | 90 | | 47 | 30 | | 35 | | 41 | | | 29 | | 35 | | 40 | | | 28 | | 34 | | 40 | | | 28 | 33 | | 39 | | | | | 27 | |
| Lyr | EZ | RR | | | | 30 | 35 | 40 | 45 | | | | | | 28 | 33 | 38 | 43 | | | | | | | 26 | 31 | 36 | 41 | | | | | | | |
| Lyr | IO | 90 | 3 | | | 26 | 42 | | 30 | 46 | | | 34 | | | | 38 | | | 27 | 42 | | | 31 | | | 35 | | | 23 | 39 | | | | |
| Lyr | beta | S1 | | | 62s | | | | | | 9 | | | | | | 56s | | | | | | | 3 | | | | | | 50s | | | | | |
| Mon | UX | ES | 2 | | | 34s | | 29 | | | | 24s | | 20 | | 15s | | | 10 | | | | 5s | | | 0 | 96s | | | 91 | | | | | |
| Mon | VV | ES | 2 | 78s | | | 81 | | | 83s | | | 86 | | 88s | | | 91 | | | | | | | 96 | | 99s | | | | | 1 | | | |
| Mon | AQ | ES | 2 | | | 64s | | | | | | | | | | | | | | 64 | | | | | 73 | | | 55s | | | | | | | |
| Mon | AR | L1 | 1 | | | | | | | 70\ | 55 | 40/ | | | | | | | | | | 30\ | 00/ | | | | | | | 91\ | 76 | | 60/ | | |
| Mon | AV | ES | 2 | | | 15s | | 62 | | | | | 10s | | 57 | | | | | 4s | | | 52 | | | 99s | | 46 | | | | | 94s | | |
| Mon | EZ | EU | 3 | 60 | | | 61 | | 62 | | | | 63 | | 64 | | | 65 | | | | | | | 67 | | 55s | 68 | 56s | 69 | | | | 57s | |
| Mon | IL | ES | 2 | 32 | | | | 34 | | | | 37 | | | | 39 | | | | | | | | 45 | | | 47 | | | | | 50 | | | |
| Mon | V448 | ES | | | | 62 | | | | | 65s | | | 56 | 68 | | | | 60s | 72s | | | 51 | 63 | 75 | | 55s | 66s | | | | | 58 | | |
| Mon | V530 | EU | 3 | 60 | 65 | 70 | | 59s | 64s | 69s | | | 58 | 63 | 69 | 74 | 52s | 58s | 63s | 68s | 73s | 52 | 57 | 62 | 67 | 72 | 51s | 56s | 61s | 66s | 71s | 50 | | 55 | |
| Mon | V536 | | | | | | | | | | 68s | | | | | | | | | | | | | | | 55 | | | | | | 68 | | | |
| Mon | V634 | EU | | | | | | | | | | 60 | | 71 | | | | | | | | | | | | | | | | 62 | | | | 74 | |
| Oph | U | ST | | | | | | | | | | 26s | | | | | | | | | | | | | | | | | | | | | | | 23 |
| Oph | ST | 90 | 2 | 32 | | | | 28 | | | | | | | | | 28 | | | | | | | | | 24 | | | | | 24 | | | | |
| Ori | Z | ES | 2 | 65 | | | | 86 | | | | | | 6 | | | | | 26 | | | | | | 46 | | | 67 | | | | | | | |
| Ori | BM | ES | | | | | | 44 | | | | | | 91 | | | | | | | | | | | | | 85 | | | | | | | | |
| JD | 580 | .. | | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | |

| 2017 | Okt | P | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------|-------|----|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|-----|----|----|----|-----|-----|----|----|----|----|-----|-----|----|-----|-----|-----|--|----|--|----|----|--|----|--|-----|----|--|----|--|----|----|--|----|--|-----|----|--|----|--|----|--|--|----|--|-----|--|--|----|--|--|--|--|----|--|--|--|--|----|--|--|--|--|----|
| Ori | CP | ES | 2 | 50 | | | | | 82 | | | | | 14 | | | | | 46 | | | | | 79 | | | | | 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ori | DN | L1 | 2 | | | | | | 3 | | | | | | | | | | 99 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ori | EW | EX | | | | | | | | | | | | 72 | | | | | 65 | | | | | 59 | | | | | | | | | | 53 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ori | FO | L1 | 2 | 58 | | | | | | | | | | | | | | | | | | | | 38 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ori | FT | EX | | | | | | | 45 | | | | | 56s 60 | | | | | 71s | | | | | | | | | | | | | | | 47s | 50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ori | GG | EX | | 72 | | | | | 56s | | | | | | | | | | | | | | | 61 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ori | V536 | ES | 2 | | | | | | 65 | | | | | | | | | | | | | | | 47 | | | | | 63 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ori | V1031 | ES | 2 | | | | | | 62s | | | | | 73 | | | | | 54 | | | | | 65s | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Peg | U | S1 | | 26+ | 39+ | 32+ | 26+ | 39+ | 32+ | 26+ | 38+ | 32+ | 26+ | 38+ | 32+ | 26+ | 38+ | 32+ | 25+ | 38+ | 32+ | 25+ | 38+ | 31+ | 25+ | 38+ | 31+ | 25+ | 37+ | 31+ | 25+ | 37+ | 31+ | 25+ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Peg | VV | RR | | 27 | | | | | 55 | | | | | 53 | | | | | 51 | | | | | 48 | | | | | 46 | | | | | 44 | | | | | 41 | 39 | 37 | 35 | 32 | 30 | 28 | 25 | 23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Peg | VW | | | | | | | | | | | | | 54 | | | | | 25s | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Peg | AV | RR | | 40 | 58 | 36 | 53 | 31 | 48 | 26 | 43 | | | | | | 38 | 55 | 34 | 51 | 29 | 46 | 24 | 41 | 36 | | | | | 53 | 31 | 49 | 27 | 44 | 22 | 39 | 34 | 29 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Peg | AW | L1 | | 80 | | | | | 11s | | | | | 42 | | | | | 73s | | | | | | | | | | 5 | | | | | 36s | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Peg | BH | 90 | | 30 | 58 | 50 | | | | | 42 | | | | | 35 | | | | | 27 | | | | | 55 | | | | | 47 | | | | | 40 | | | | | 32 | | | | | 24 | | | | | 53 | | | | | 45 | | | | | 42 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Peg | BK | ES | | | | | | | | | | | | 25s | | | | | | | | | | 48 | | | | | 23s | | | | | | | | | | 46 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Peg | CG | 90 | | 43 | 37 | 30 | | | | | 57 | | | | | 51 | | | | | 44 | | | | | 37 | | | | | 31 | | | | | 24 | | | | | 51 | | | | | 45 | | | | | 38 | | | | | 32 | | | | | 25 | | | | | 52 | | | | | 45 | | | | | 39 | | | | | 32 | | | | | 26 | | | | | 46 | | | | | 40 | | | | | 33 |
| Peg | DF | L1 | | | | | | | | | | | | | | | | | 87 | | | | | | | | | | | | | | | 57 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Peg | DH | RR | 3 | 39 | 42 | 44 | 46 | 48 | 25+ | 27+ | 29 | 32 | 34 | 36 | 38 | 40 | 43 | 45 | 47 | 24+ | 26 | 28 | 30 | 32 | 35 | 37 | 39 | 41 | 43 | 46 | 22+ | 25 | 27 | 29 | 32s | 43s | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Peg | GH | ES | | 31s | | | | | 43s | | | | | 26 | | | | | 37 | | | | | 48 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Peg | IP | K1 | | 26+ | 37+ | 32+ | 27+ | 37+ | 32+ | 27+ | 38+ | 33+ | 28+ | 39+ | 33+ | 28+ | 39+ | 34+ | 29+ | 24+ | 35+ | 30+ | 25+ | 35+ | 30+ | 25+ | 36+ | 31+ | 26+ | 36+ | 31+ | 26+ | 37+ | 32+ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Per | RW | L1 | 2 | 54 | | | | | | | | | | | | | | | 74 | | | | | | | | | | | | | | | | | | | | 94 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Per | RY | ES | | 26 | | | | | 69s | | | | | | | | | | 55s | | | | | | | | | | 42s | | | | | | | | | | 28s | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Per | AG | EX | | | | | | | | | | | | | | | | | 30 | | | | | | | | | | 33 | | | | | 30s | | | | | 35 | | | | | 33s | | | | | 38 | 35s | 41 | 38s | 44 | 41s | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Per | AR | 90 | | 43 | 28+ | 56 | 41 | 69 | 54 | 39 | 67 | 52 | 37 | 65 | 50 | 35 | 62 | 48 | 33 | 60 | 45 | 31+ | 58 | 43 | 28+ | 56 | 41 | 26+ | 54 | 39 | 24+ | 52 | 37 | 22+ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Per | AY | L1 | | 47 | | | | | | | | | | | | | | | 25 | | | | | | | | | | | | | | | | | | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Per | IQ | | | 72s | 68 | 46s | 42 | | | | | | 69s | | | | | 65 | | | | | 44s | | | | | 39 | | | | | 67s | | | | | 62 | | | | | 41s | | | | | 37 | | | | | 64s | | | | | 60 | | | | | 38s | | | | | 34 | | | | | 61s | | | | | 57 | | | | | 36s | | | | | | | | | | | | | | | | | | |
| Per | KN | EU | | 37 | 67s | 54s | 40s | 27+ | 57 | 44 | 30 | 60s | 47s | 34s | 64 | 50 | 37 | 67s | 53s | 40s | 27+ | 57 | 43 | 30+ | 60s | 47s | 33s | 63 | 50 | 37 | 23+ | 53s | 40s | 27+ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Per | LX | L1 | | 38 | | | | | 40s | | | | | 42 | | | | | 44s | | | | | | | | | | 46 | | | | | 47s | | | | | 49 | | | | | 51s | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Per | beta | S1 | | 40 | | | | | 27 | | | | | 71s | | | | | 57s | | | | | 44s | | | | | 31s | | | | | 74 | | | | | 48 | | | | | 34 | | | | | 64s | | | | | 51s | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Psc | RU | 90 | | 50 | 28+ | 45 | 62 | 40 | 58 | 36 | 53 | 31+ | 48 | 26+ | 43 | 60 | 38 | 55 | 34 | 51 | 29+ | 46 | 24+ | 41 | 58 | 36 | 53 | 31 | 49 | 27+ | 44 | 22+ | 39 | 56 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Psc | RY | 90 | 2 | 32 | | | | | 38 | | | | | 44 | | | | | 50 | | | | | 33 | | | | | 38 | | | | | 44 | | | | | 50 | | | | | 27 | | | | | 33 | | | | | 39 | | | | | 45 | | | | | 51 | | | | | 28 | | | | | 34 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Psc | SS | 90 | | 50 | 36+ | 51 | 37+ | 52 | 39+ | 25+ | 40+ | 27+ | 42+ | 28+ | 43 | 29+ | 45 | 31+ | 46 | 32+ | 47 | 34+ | 49 | 35+ | 50 | 37+ | 23+ | 38 | 24+ | 40 | 26+ | 41 | 27+ | 43 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sge | SY | ES | | 37s | | | | | 45s | | | | | | | | | | | | | | | 30 | | | | | | | | | | 38 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ser | AN | 90 | | | | | | | | | | | | | | | | | | | | | | | | | | | 25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ser | BH | 90 | | | | | | | 25 | | | | | | | | | | | | | | | 24 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ser | EG | L1 | | 30 | | | | | 27s | | | | | 25 | | | | | 22s | | | | | 19 | | | | | 17s | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ser | LX | K1 | | 28 | | | | | 29 | | | | | 30 | | | | | 25 | | | | | 26 | | | | | 27 | | | | | 23 | | | | | 24 | | | | | 25 | | | | | 66 | | | | | 63 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sex | T | 90 | | | | | | | | | | | | 72 | | | | | 70 | | | | | 67 | | | | | | | | | | 74 | | | | | 71 | | | | | 69 | | | | | 66 | | | | | 63 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tau | RW | S1 | 3 | | | | | | 69 | | | | | 46 | | | | | | | | | | | | | | | | | | | | 54 | | | | | 30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| JD | 580 | .. | | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| 2017 | Okt | P | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | |
|------|-------|----|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|
| Tau | CD | S1 | 3 | | | | 51 | | | | | 66s | | | | | | | 53s | | | | | 68 | | 40s | | | | | 55 | | | |
| Tau | EN | ES | 2 | 61 | | | | 57 | | | | | 52 | | | | | 48 | 72s | | | | 44 | 68s | | | 39 | 63s | | | | | | |
| Tau | V1094 | L1 | | | | 96s | | | 8 | | | | | 95s | | | | 7 | | | | | 94s | | | 6 | | | | | 93s | | | |
| Tri | X | S1 | | 70 | 67 | 64 | 62 | 59 | 56 | 53 | 50 | 47 | 45 | 42 | 39 | 36 | 33 | 30 | 27 | 25 | | | | | | | | | | | | | | |
| Tri | RU | ES | 2 | | | 62s | 26 | | | 53 | | | | | 43s | | | 70s | | 33 | | | 60 | | 24s | | 51s | | | | | 41 | | |
| Tri | UX | 90 | | 61 | 54 | 47 | 41 | 34 | 28 | 68 | 61 | 54 | 48 | 41 | 35 | 28 | 68 | 61 | 55 | 48 | 42 | 35 | 28 | 69 | 62 | 55 | 49 | 42 | 35 | 29 | 22+ | 62 | 56 | 49 |
| UMa | W | S1 | | 49+ | 49+ | 49+ | 49+ | 49+ | 49+ | 49+ | 50+ | 50+ | 50+ | 50+ | 50+ | 50+ | 50+ | 50+ | 50+ | 50+ | 51+ | 51+ | 51+ | 51+ | 51+ | 51+ | 51+ | 51+ | 51+ | 51+ | 52+ | 52+ | 52+ | |
| UMa | RV | RR | | 29 | 70 | 63 | | | | 32 | 25+ | 66 | | | | | 34 | 27+ | 68 | 61 | | | | | 29 | 23+ | 63 | | | | | | 25+ | |
| UMa | TU | RR | | | | | 66 | | | | | 68 | | | | 70 | | | | | 71 | | | | 62 | 73 | | | 64 | 75 | | | | |
| UMa | TX | S1 | 3 | | | | | 57 | | | | | | | 63 | | | 70 | | | | | | | | | | | | | | | | |
| UMi | W | S1 | 3 | | | | 49 | | | | | 60 | | 30 | | | 70 | | 40 | | | | | 51 | | | | 61 | | 31 | | | | |
| Vir | AG | ED | | | | | | | | | | | | | | | | | 75s | 71 | | | | | | | 74s | 71 | 67s | | | | | |
| Vir | AH | S1 | | | | | | | | | | | | 72 | 74s | | | | | | | | | 71s | 73 | 75s | 76 | | | | | | | |
| Vul | Z | S1 | | | | | | | | | | | | 40 | | | | | | 31 | | | | | | | | | | | | | | |
| Vul | RR | ES | | | | | | | | | | | | | 29 | | | | | | 34 | | | | | 39 | | | | | 44 | | | |
| Vul | BN | 90 | | | 37 | | | 34 | | | 31 | | | 28 | | | 25 | | 44 | | | | | 38 | | 35 | | | 32 | | | | | 29 |
| Vul | DR | EX | | 48 | | | | | 32s | | | 48 | | | | | | | 32s | 24 | | | | | | 32s | 24 | | | | | | | |
| Vul | EV | ES | | | | | | | | 42 | | | 24 | | | | | | | | | | | | | 35 | | | | | | | | |
| JD | 580 | .. | | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 |

| 2017 | Nov | P | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | | |
|------|-------|----|---|----|-----|-----|-----|-----|-----|----|----|-----|-----|----|-----|-----|----|-----|-----|-----|----|-----|-----|----|-----|-----|-----|-----|-----|----|----|-----|-----|--|
| And | SW | RR | | 53 | 41 | 30 | | 51 | 39 | 28 | 61 | 49 | 38 | 26 | 59 | 47 | 36 | 24 | 57 | 45 | 34 | 22 | 55 | 43 | 32 | 20 | 53 | 41 | 30 | | 51 | 39 | 28 | |
| And | SY | L1 | 1 | | | | | | | | | | | | | | | | | | | | 87\ | 92 | 96/ | | | | | | | | | |
| And | TW | S1 | | 32 | | 38s | 45 | | 51s | | 57 | | | | | | | | | | | | | | | | | | | | | | | |
| And | XX | 90 | | | 56 | 28 | 45 | | 61 | 34 | | 51 | 23 | 67 | 40 | | 57 | 29 | | 46 | | 62 | 35 | | 52 | 24 | 41 | | 57 | 30 | | | | |
| And | CD | L1 | 2 | | | | | | 96\ | \ | | 3s | / | 9/ | | | | | | | | | | | | | | | | | | | | |
| And | OV | 90 | | 56 | 50 | 44 | 39 | 33 | 27 | 21 | 62 | 56 | 50 | 44 | 39 | 33 | 27 | 21 | 62 | 56 | 50 | 44 | 39 | 33 | 27 | 21 | 50 | 44 | 39 | 33 | 27 | | | |
| Aqr | SW | RR | 3 | 27 | | | | 32 | 24 | | | | 37 | 29 | 21 | | | | 35 | 26 | | | | | 32 | 23 | | | | 29 | 21 | | | |
| Aqr | SX | 90 | | 28 | 36 | | | | | | 25 | 32 | 39 | | | | | | 21 | 28 | 36 | | | | | 25 | 32 | | | | | | | |
| Aqr | CD | ES | | | 15 | | | 98 | | | | | 82 | | | | | | 66 | | | | | 50 | | | 33 | | | | | | | |
| Aqr | HH | 90 | 2 | | 22 | 37 | | 24 | 39 | | 26 | | | | | 28 | | | | | 30 | | | | 33 | | 20 | 35 | | | 22 | | | |
| Aqr | LL | L1 | 3 | | | | | 76 | | | | | | | | | | | 85s | | | | | | | | 94 | | | | | | | |
| Aql | AA | RR | | | | 27 | | | 25 | 34 | | | 23 | 32 | | 21 | | 30 | | | | 28 | | | | 26 | | | 24 | | | | | |
| Aql | V341 | 90 | 3 | | | 35 | | 24 | | | | | 29 | | | 34 | | | | 23 | | | | 27 | | | | | | | 21 | | | |
| Aql | V889 | L1 | | 51 | | | | | | | | | | | 63 | | | 57s | | | | | | | 75 | | | | 69s | | | | | |
| Aql | V1353 | ES | | | | | 26 | | | | | 21s | | 34 | | | | | 29s | | | | | 24 | | | | 19s | | | | | | |
| Aql | V1426 | ES | | 2+ | 19+ | 37+ | 54s | 13+ | 31+ | 48 | 7+ | 24+ | 42s | 1+ | 18+ | 36+ | 53 | 12+ | 29+ | 47s | 6+ | 23+ | 41+ | 58 | 17+ | 35+ | 52s | 11+ | 28+ | 46 | 5+ | 22+ | 40+ | |
| JD | 580 | .. | | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | |

| 2017 | Nov | P | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | |
|------|-------|----|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Aql | V1430 | ES | | 33s | | | | 26 | | | | | | | 25 | | | | | | | 24 | | | | | | 23 | | | | | |
| Ari | X | RR | 3 | 53 | | 48 | | 44 | | 39 | | 35 | 65 | 30 | 60 | | 55 | | 51 | | 46 | | 42 | | 37 | | 32 | 28 | 58 | 23 | 53 | | |
| Ari | RS | L1 | 2 | | | 21 | | | | | | | | | 1 | | | | | | | | 81 | | | | | | | | 61 | | |
| Ari | AL | ES | | 62 | | | | 37 | | | | | | | | | | | 61 | | | | 36 | | | | | | | | | | |
| Aur | TZ | 90 | 3 | 39 | 56 | 74 | 52 | 70 | 48 | 65 | 44 | 61 | 40 | 57 | 35+ | 53 | 70 | 49 | 66 | 45 | 62 | 40 | 58 | 36+ | 54 | 32+ | 50 | 67 | 45 | 63 | 41 | 59 | 37+ |
| Aur | CQ | L1 | 3 | | | | 71 | 13s | | | | | 44 | | | | | | 75s | | | | 6 | | | | 26 | 38s | | | | | |
| Aur | IY | ES | | | | | | | | 50 | | | 30 | | | | | | | | 68 | | 47 | | | | | | | | | | |
| Aur | V432 | ES | | | 57 | | | 65 | | | 74 | | 28s | | | 36s | | | 44s | | | 52s | | | 60s | | | 69s | | | 77s | | |
| Boo | RS | RR | | 22 | 73 | | | 74 | | | 76 | | | 78 | | 67 | | | 69 | | | 71 | | | 72 | | | 74 | | 63 | 76 | | |
| Boo | TW | 90 | | | | 71 | 24 | | | | | | 70 | 23+ | | | | | | | | 68 | 21+ | | | | | 60 | 66 | 20+ | 79 | | |
| Boo | UU | 90 | | 24 | | | | | | 72 | | | | | 75 | 21 | | | | 78 | 69 | | | | | 72 | | | | 74 | 66 | | |
| Boo | UY | 90 | | | | 76 | | | | | | | | | | | | | 78 | | 73 | | 68 | | | | | | | | | | |
| Boo | AC | ED | | 66s | 72s | 25 | 66 | 72 | 25+ | 66s | 71s | 24+ | 65 | 71 | 24+ | 65s | 70s | 23+ | 64 | 70 | 23+ | 64s | 70s | 22+ | 63 | 69 | 22+ | 63s | 69s | 22+ | 63 | 68 | 21+ |
| Boo | CM | 90 | | | | 75 | | | | | | | | | | | | | | | | | | | | | | 67 | | | 72 | | |
| Boo | CQ | 90 | | | | | | | | | 75 | | | | | | | | | | | 74 | | 72 | | | | | 79 | | 76 | | |
| Boo | CS | 90 | | 74 | | | | 72 | | | | | 70 | | | | | | 68 | | | | 66 | 77 | | | | 64 | 75 | | | | |
| Cam | SS | ES | | 66s | | | 7 | 48s | | 89 | | | 30s | | 71 | | | | 12s | | 54 | | 95s | | | 36 | 77s | | | 18 | | | |
| Cam | SV | S1 | | 27+ | 46+ | 35+ | 24+ | 42+ | 31+ | 50 | 39+ | 28+ | 46+ | 35+ | 24+ | 43+ | 32+ | 21+ | 39+ | 28+ | 47+ | 36+ | 25+ | 43+ | 32+ | 21+ | 40+ | 29+ | 48+ | 36+ | 25+ | 44+ | 33+ |
| Cam | AK | ES | 3 | 43s | 55 | 66s | 77 | | | | 23 | 34s | 45 | 57s | 68 | | | | | | | 25s | 36 | 48s | 59 | 70s | | | | 27 | 38s | | |
| Cam | AN | | | | | | 43s | | | | | 9 | | | | | | | | | | | | | | | 43s | | | | | | |
| Cam | AT | ES | | 75 | 45s | | 54 | 24s | 64s | 33 | 73 | 43s | 52 | 22s | 62s | 31 | 71 | 41s | | 50 | 20s | 60s | 29 | 69 | 39s | 78s | 48 | | 57s | 27 | 67 | 37s | |
| Cnc | S | L1 | 3 | 58 | | | | | | | | | 6 | | | | | | | | | | 54 | | | | | | | | | 3 | |
| Cnc | RU | L1 | 2 | | | 71 | | | | | | | | | | 88 | | | | | | | | | | | 6 | | | | | | |
| Cnc | RW | 90 | | 53 | 63 | 72 | | | 55 | 64 | 74 | | | 47 | 57 | 66 | 76 | | | 49 | 59 | 68 | 78 | | | 51 | 61 | 70 | | 44 | 53 | | |
| Cnc | RZ | L1 | 2 | 41s | / | 3/ | | | | | | | 61\ | \ | 23 | 85/ | | | | | | | | 43\ | \ | 5s | 68/ | | | | | | |
| Cnc | TT | 90 | | 52 | 64 | 77 | | | 59 | 71 | | | 53 | 66 | | | 48 | 60 | 73 | | | 55 | 67 | | | 49 | 62 | 74 | | 44 | 56 | 69 | |
| Cnc | TU | ES | 3 | | | 9 | | | | | 65 | | | | | | 21 | | | | | 77 | | | | | | 33 | | | | | |
| Cnc | UU | L1 | 2 | | | | 71 | | | | | | | | \ | \ | \ | \ | \ | \ | \ | \ | \ | \ | \ | \ | 48 | / | / | / | / | / | |
| Cnc | AQ | 90 | | | | 54 | 64 | 74 | | | | 58 | 68 | 77 | | | 52 | 61 | 71 | | | | 55 | 65 | 74 | | | 49 | 58 | 68 | 78 | | |
| CVn | W | 90 | | | 70 | | | | | 67 | 77 | | | | 63 | 73 | | | | | | 70 | | | | | 67 | 77 | | 63 | 74 | | |
| CVn | Z | 90 | | 72 | | 68 | | 64 | 60 | | 56 | | | | | | | 76 | | 72 | | 68 | | 64 | | 60 | | 57 | | 53 | | | |
| CVn | RS | S1 | | | | | | | 74 | | | | | | | | | | | | | 74s | | | | | | | | | | | |
| CVn | RZ | 90 | | | | 71 | | | 68 | | | | 65 | | | | 62 | 76 | | | | | 73 | | | 70 | | | | 67 | | | |
| CMA | R | S1 | 3 | | | 63 | | | | | 60s | | 58 | | | 56s | | | | | | | 67 | | | 64s | | | | 62 | | | |
| CMi | AM | ES | | 61 | 63 | 65 | 67 | 69 | 71 | 73 | 75 | 77 | | | | | | | | | | | | | | | | | | | | | |
| Cas | RX | L1 | 2 | \ | \ | \ | \ | 37s | / | / | / | / | | | | | | | | \ | \ | \ | \ | 54 | / | / | / | / | / | | | | |
| Cas | RZ | S1 | | 69 | | | | 28 | 47 | 67 | | | 25 | 45 | 64 | | | | 23 | 42 | 62 | | | | 21 | 40 | 60 | 79 | | | | 38 | |
| Cas | SX | L1 | 2 | | 7 | 90/ | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cas | TV | S1 | | | | 76 | | 57 | | 38 | | | | | | | 63 | | 44 | | 26 | | | | | 70 | 51 | | 32 | | | | |
| JD | 580 | .. | | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 |

| 2017 | Nov | P | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | |
|------|------|----|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Cas | TW | S1 | | | 33 | 76 | | 62 | | | | 47 | | | 33 | 76 | | 62 | | | | 47 | | | 33 | 76 | 19 | 61 | | | 47 | | |
| Cas | TX | ES | | 38s | | | 31s | 77 | | 24s | 70 | | | 63 | | | 55 | | 48 | | | | 41 | | | 33 | | 26 | 72s | | 19 | | |
| Cas | AQ | L1 | 3 | 55/ | | | 31\ | 36s | 42/ | | | | 17\ | 22 | 28/ | | | 3\ | 8s | 14/ | | | 89\ | 94 | 00/ | | | 75\ | 80s | 86/ | | | |
| Cas | DN | ES | | | | | 24s | 40 | 55s | 71 | | | | 33 | 49s | 64 | | | | | | 26 | 42s | 58 | 73s | | 20 | 35s | 51 | 66s | | | |
| Cas | GG | ES | | 28 | | | | | | | | | 56 | | | | | 32 | | | | | | | | | 59 | | | | | | |
| Cas | GU | EU | | | 68 | | | | | | | | | | | | | | | | | | 24 | | | 33 | | | | | 42 | | |
| Cas | IL | ES | | | | 48 | | | | | | | 38 | | | | | | 28 | | | | 73 | | | 19 | | | 64 | | | | |
| Cas | IT | EX | | 58s | | 32 | | 47s | | 22 | | 37s | | | 27s | | | | | | | | | | | | | | | | | 60 | |
| Cas | OX | EX | | | 32 | 51s | | | 30 | 49s | | | 28 | 47s | 77 | | | | 26 | 45s | 75 | | 24 | 43s | 72 | | 21 | 41s | 70 | | | | |
| Cas | PV | EX | | 40 | 32s | | | 66 | 57s | 41 | 32s | | | | 66 | 57s | 41 | 32s | | | | 66 | 58s | 41 | 33s | | 66 | 58s | 41 | 33s | | | |
| Cas | V368 | ES | | | | 41s | | 63 | | | | | | | 31s | 54 | | | 76s | | | | 21s | | 44 | | 66s | | | | | | |
| Cas | V375 | ED | | 74s | 47 | 21s | 68s | 42 | | 63s | 37 | 58s | 31 | | 52s | 26 | 73 | 47s | 21 | 68 | 42s | | 63 | 36s | | 57 | 31s | 78s | 52 | 26s | 73s | 47 | |
| Cas | V381 | EX | | | | 65 | 47s | 40 | 22s | | | 64 | 46s | 38 | 20s | | | | 62 | 44s | 37 | | | | 61 | 43s | 35 | | | | | | |
| Cas | V459 | L1 | | 25s | | | 54 | | | | 71s | | | | 0 | | | | | 16s | | | 46 | | | | 62s | | | | 91 | | |
| Cep | RZ | 90 | | 33+ | 25+ | 49 | 41+ | 34+ | 27+ | 50 | 43+ | 35+ | 28+ | 20+ | 44+ | 36+ | 29+ | 22+ | 45+ | 38+ | 30+ | 23+ | 46+ | 39+ | 31+ | 24+ | 47+ | 40+ | 33+ | 25+ | 49 | 41+ | 34+ |
| Cep | VW | S1 | | 26+ | 23+ | 21+ | 32+ | 29+ | 27+ | 24+ | 22+ | 33+ | 30+ | 28+ | 25+ | 22+ | 20+ | 31+ | 29+ | 26+ | 23+ | 21+ | 32+ | 30+ | 27+ | 24+ | 22+ | 19+ | 31+ | 28+ | 25+ | 23+ | 20+ |
| Cep | XX | S1 | | 74 | | | | | 41 | | 75 | | | | 43 | 76 | | | | | | | 44 | | 78 | | | 45 | | 79 | | | |
| Cep | XY | ES | | | 65 | | 42 | | | | | | | | 75 | | | 52 | | | 30 | | | | | | | 62 | | | | 39 | |
| Cep | ZZ | S1 | | 28 | | 42 | | 56 | | 70 | | | | | | | | 27 | | 41 | | 55 | | 70 | | | | | | | | | |
| Cep | AI | ES | | | 62s | | | | | | | | | | | | 29s | | 41 | | 52s | | | | | | | | | | | | |
| Cep | CW | EX | | 38s | | | 55 | | | 28 | 57s | | | 30s | 74 | | | 47 | 75s | | 20 | 48s | | | 21s | 66 | | 39 | 67s | | | | |
| Cep | EI | L1 | | | | 31 | | | | 53s | | | | 75 | | | | 97s | | | | | 19 | | | 40s | | | | 62 | | | |
| Cep | EX | L1 | 2 | 10 | | | | | | | | | | | 54 | | | | | | | | | | | | | 97 | | | | | |
| Cep | NN | ES | | 28 | 31s | 34 | 37s | 40 | 43s | 46 | 49s | 52 | 55s | 57 | 60s | 63 | 66s | 69 | 72s | 75 | 78s | | | | | | | | | | | | |
| Cet | RR | RR | 2 | 39 | 49 | | 26 | | 36 | 47 | | | 24 | 34 | 45 | 55 | | | 32 | 43 | 53 | | | 30 | 40 | 51 | | 27 | 38 | 49 | | | |
| Cet | RV | 90 | 2 | 44 | | | | | 43 | | | | | 42 | | | | | | | | | 40 | | | | 39 | | | | | | |
| Cet | TU | ES | 2 | | 38 | | | | 77 | | | | | 16 | | | | | | | | | | | | 95 | | | | 73 | | | |
| Cet | TV | L1 | | | | 43 | | | | | 92s | | | | 53 | | | | | | 3s | | | 64 | | | | | 13s | | | | |
| Cet | XY | ES | 2 | | 40 | | | | 57s | | | 35s | | | 52 | | | 30 | | | | 47s | | | 25s | | | 42 | | | | | |
| Com | S | 90 | | | | | | | 72 | | | 65 | | | | 76 | | | 69 | | | | | | 73 | | | 66 | | | | 60 | |
| Com | ST | 90 | | | 73 | | | 72 | | | 72 | | | 71 | | | 71 | | | | 70 | | | 70 | | 69 | | | 69 | | | 68 | |
| CrB | U | S1 | | | | | | | | | | | | | | | | | | | | | | | | | | 76 | | | | | |
| CrB | RV | 90 | | | | | | | | | | | | | 78 | 77 | | 77 | 76 | 76 | 75 | 75 | 74 | 74 | 73 | 73 | 72 | 72 | 71 | 71 | 70 | 70 | |
| Crt | W | 90 | 2 | | | | | | | | | | | | | | | | | | | | | | | 74 | | | | | | | |
| Cyg | UY | RR | | 29 | 41 | | 22 | 34 | 46 | | | 26 | 38 | | | | 31 | 43 | | | | 23 | 35 | | | 28 | 40 | | | 20 | 33 | | |
| Cyg | XZ | RR | | 34 | 28 | 21 | 54 | 48 | 41 | 34 | 28+ | 21 | | 54 | 48 | 41 | 34 | 28+ | 21 | | | | 47 | 41 | 34 | 27+ | 21 | | 47 | 41 | 34 | 27+ | |
| Cyg | BO | ES | | | | 51 | 39s | 27 | | | | | 53 | 41s | 29 | | | | | | | 44s | 32 | | | | 46s | 34 | 22s | | | | |
| Cyg | BR | ES | | 26 | | 26s | 26 | | 26s | | 26 | | 26s | | 26 | | 25s | | 25 | | 25s | | 25 | | 25s | 25 | | 25s | | 25 | | | |
| Cyg | DM | RR | | 38 | 22 | 48 | 32 | 42 | 26 | | 36 | | 46 | 30 | | 40 | 24 | | 34 | | 44 | 28 | | 38 | 22 | | 32 | 42 | 26 | | | 36 | |
| JD | 580 | .. | | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 |

| 2017 | Nov | P | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | |
|------|-------|----|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Cyg | EM | K1 | 3 | | | 32 | 35 | 23 | 39 | 26 | | 30 | 34 | 21 | 37 | 24 | | 28 | | 32 | | 35 | 23 | | 26 | | 30 | | 34 | 21 | | 24 | |
| Cyg | V367 | L1 | 2 | \ | \ | | 21s | / | / | | | | \ | \ | 51 | / | / | | | | | \ | \ | 81s | / | / | / | | | | \ | \ | |
| Cyg | V463 | ES | | | | | | | | | | | | | 24s | 29 | 35s | | | | | | | | | | | | | | | | |
| Cyg | V477 | | | | | 29 | | | | 34s | | | 33 | | | | 38s | | | 37 | | | | | | | | | | | | | |
| Cyg | V541 | L1 | | | | | | 48s | | | | | | | | | 79 | | | | | | 82s | | | | | | | | | 13 | |
| Cyg | V548 | ES | | | | 56 | 46s | | 36 | 27s | | | 78 | | | | 49s | 39 | 29s | 20 | | | | | 51s | 42 | 32s | 22 | | | | 74s | |
| Cyg | V788 | L1 | | | | | | | | | | | | | | | | | | | | | 10\ | 6 | 2/ | | | | | | | | |
| Cyg | V891 | ES | | | | | | | | | | | | 32 | | 23 | | | | | | | | | | | | | | | | | |
| Cyg | V909 | ES | | | | 24 | | | | | | | 25s | | | | | | | 26 | | | | | | | 28s | | | | | | |
| Cyg | V1061 | ES | | | | | 27 | | | | | | | 31 | | | | | | | 35 | | | | | | | | | | | | |
| Cyg | V1918 | ED | 3 | 35s | 39 | 21+ | 25+ | 28+ | 31+ | 35 | 38s | 41 | 24+ | 27+ | 30 | 34s | 37+ | 20+ | 23+ | 26+ | 29s | 33 | 36+ | 39 | 22+ | 25+ | 29 | 32s | 35+ | 38s | 21+ | 24+ | 28s |
| Del | DX | 90 | | 40 | 35 | 29 | 24 | | | | | 38 | 33 | 27 | 22 | | | | | | | 36 | 31 | 25 | 20 | | | | | 34 | 29 | 23 | |
| Dra | RW | RR | | 40 | 28+ | | | 38 | 27+ | | | 37 | 26+ | | | 36 | 24+ | | | 34 | 23+ | | | 33+ | 22+ | | | 32+ | 20+ | | | 30+ | 19+ |
| Dra | SU | RR | | 55 | 21 | 53 | | 51 | | 49 | | 47 | | 45 | 77 | 43 | 76 | 42 | 74 | 40 | 72 | 38 | 70 | 36 | 68 | 34 | 66 | 32 | 64 | 30 | 62 | 28 | 61 |
| Dra | SW | RR | | 52 | 66 | 23 | 37 | 51 | 65 | 22 | 36 | 50 | 64 | 21+ | 35 | 49 | 63 | 20+ | 34 | 47 | 61 | 75 | 32 | 46 | 60 | 74 | 31 | 45 | 59 | 73 | 30 | 44 | 58 |
| Dra | TZ | ED | | 25s | | 42 | 28 | | | 31s | | 34 | | 21 | | 38s | 24s | | 41 | 27 | | | 30+ | | | 33+ | 20 | | 37s | 23s | | | 26 |
| Dra | VZ | 90 | | 42+ | 38+ | 34+ | 30+ | 27 | 23 | | | 44+ | 40+ | 37+ | 33+ | 29+ | 26+ | 22 | | | | 43+ | 39+ | 36+ | 32+ | 28+ | 24+ | 21 | 78 | 74 | 38+ | 34+ | 31+ |
| Dra | WW | S1 | 3 | | | | 67 | | | | | 30 | | | | | | | | | | 56 | | | | 19 | | | | | | | |
| Dra | XZ | RR | | 43 | 38 | 34 | 29+ | 24+ | 67 | 63 | 58 | 53 | 48 | 44 | 39 | 34 | 30+ | 25+ | 20+ | 63 | 58 | 54 | 49 | 44 | 40 | 35 | 30+ | 26+ | 21+ | 64 | 59 | 54 | 50 |
| Dra | AI | S1 | | | | | 25 | | | | | 25 | | | | | | | 24 | | | | | | 23 | | 63 | | | | | | 63 |
| Dra | BF | | | | | 38 | | | | | | | | | | 59 | | | | | | | | | | | 81 | | | | | | |
| Dra | BK | 90 | | | 39 | 57 | 76 | 35 | 53 | 72 | 31 | 49 | 68 | 27 | 45 | 64 | 23 | 41 | 60 | 78 | 38 | 56 | 74 | 34 | 52 | 70 | 30 | 48 | 66 | 26 | 44 | 62 | 22 |
| Dra | BU | ES | | | | 27s | | | | | | | | | | 76s | 67 | | | | 59s | | | | | 33 | 24s | | | | | | |
| Dra | DD | 90 | | 28+ | 26+ | 24+ | 22+ | 53 | 51 | 49 | 47 | 45 | 43+ | 41+ | 39+ | 37+ | 35+ | 33+ | 31+ | 29+ | 27+ | 25+ | 23+ | 21+ | 52 | 50 | 48 | 46+ | 44+ | 42+ | 40+ | 38+ | 36+ |
| Dra | EX | K1 | | 35+ | 40+ | 24+ | 29+ | 34+ | 39+ | 23+ | 28+ | 33+ | 38+ | 22+ | 27+ | 32+ | 37+ | 21+ | 26+ | 31+ | 36+ | 20+ | 25+ | 30+ | 35+ | 19+ | 24+ | 28+ | 33+ | 38+ | 22+ | 27+ | 32+ |
| Dra | GV | L1 | 3 | 79 | | | | | | | | | | | | | | | | | | | | | | | 65 | | | | | | |
| Equ | S | S1 | | 24 | | | | | | | | | | | | | | | | | | | | | | | 29 | | | | | | |
| Eri | SV | 90 | 2 | | | | 49 | | | | | 49 | | | | | 48 | | | | 34 | | 48 | | | 34 | 48 | | | 33 | | | 47 |
| Gem | U | K1 | 3 | 47+ | 53+ | 59+ | 47+ | 53+ | 60+ | 48+ | 54+ | 60 | 49+ | 55+ | 43+ | 50+ | 56+ | 44+ | 50+ | 56+ | 45+ | 51+ | 57+ | 46+ | 52+ | 40+ | 46+ | 53+ | 41+ | 47+ | 53+ | 42+ | 48+ |
| Gem | RR | 90 | 3 | 56 | 75 | 55 | 74 | 53 | 72 | 52 | 71 | 51 | 70 | 49 | 68 | 48 | 67 | 46 | 66 | 45 | 64 | 44 | 63 | 42 | 62 | 41 | 60 | 40+ | 59 | 38+ | 58 | 37+ | 56 |
| Gem | RY | L1 | 3 | 19s | | | | 84 | | | | 49s | | | | | 14 | | | | | 79s | | | | 44 | | | | | | | 9s |
| Gem | SV | ES | 1 | | | 69 | | | | | 70 | | | | 71 | | | | 71 | | | | 72 | | | 72 | | | | | 73 | | |
| Gem | SZ | 90 | 3 | | | | 46 | 46 | 46 | 46 | 47 | 47 | 47 | 47 | 47 | 48 | 48 | 48 | 48 | 49 | 49 | 49 | 49 | 49 | 50 | 50 | 50 | 50 | 51 | 51 | 51 | 51 | 51 |
| Gem | WW | ES | | 72 | | 57s | | 43 | 67 | | 53s | 76s | 38 | 62 | | 48s | 71s | | 57 | | 43s | 67s | | 52 | 76 | 38s | 62s | 47 | 71 | 33s | 57s | | |
| Gem | YY | S1 | | 57 | | 60s | 42s | 64 | 45 | 67s | 49s | 71 | 52 | 75s | 56s | 37+ | 60 | 41 | 63s | 45s | 67 | 48 | 70s | 52s | 74 | 55 | 37+ | 59s | 40s | 62 | 44 | 66s | 47s |
| Gem | V339 | EU | 2 | | | | | | | | | | | | | | 72 | | | 60 | | | 48 | | | 36 | | | | | | | |
| Her | TW | RR | | | 28 | | 28 | | 27 | | 27 | | 27 | | 27 | | 27 | | 26 | | 26 | | 26 | | 26 | | 26 | | 25 | | 25 | | 25 |
| Her | TX | S1 | | | | | | | | | | 77 | | | | | | | | | | | | | | | 19 | 22s | 25 | 28s | 31 | | |
| Her | UX | ED | | | | | | 30s | | | | | | | 27 | | | | | | | | | | | | | | 21 | | | | |
| JD | 580 | .. | | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 |

| 2017 | Nov | P | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | |
|------|------|----|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Her | VX | RR | | | | | 21 | | | | | 22 | | | | | 23 | | | | 78 | | | | 79 | | | | | | | | |
| Her | VZ | 90 | | 34 | 22 | | | 30 | | | | 26 | | | | 23 | | | 31+ | | | | 27 | | | | 24 | | | 76 | 20 | | |
| Her | AK | S1 | | | 21s | 26 | | | 21 | 27s | | | 22s | | | | 22 | | | | 23s | | | 23 | | | | | | | | 19s | |
| Her | AR | 90 | | 30+ | 24+ | | | | | | | 29+ | 23+ | | | | | | | 28+ | 22+ | | | | | | | 27+ | 21+ | | | | |
| Her | AW | L1 | | | | 36 | | | | | | | | | 16 | | | | | | | | 97 | | | | | | | | | 77 | |
| Her | DI | L1 | | | | | | | | 72s | | | 15 | | | | | | | | 27s | | | 70 | | | | | | | | 82s | |
| Her | GU | EU | | | | | | | | | | | | | | | | | | | | | | | | | | 73 | | | | | |
| Her | LV | | | | | | | | | | | | | | | | | 27s | | 82 | | | | | | | | | | | | | |
| Hya | SZ | 90 | 2 | | | | 68 | 76 | | | | | 67 | 74 | | | | | | | 58 | 65 | 73 | | | 56 | 64 | 71 | 79 | | | | |
| Hya | WZ | 90 | 2 | 69 | 77 | | | | | 68 | 76 | | | | | | 67 | 75 | | | | | | 66 | 74 | | | | | | 65 | 73 | |
| Hya | AI | L1 | | | 70s | | | | 28 | | | 99s | | | | | 57 | | | | 27s | | | | 86 | | | | | 56s | | | |
| Hya | ET | 90 | 2 | 71 | | 77 | | | | | | 62 | | 68 | | 73 | | | | | | | 59 | | 65 | | 70 | | 76 | | | | |
| Lac | RW | L1 | | | 47 | | | | 59s | | | | | 84 | | | | | | 95s | | | | | 21 | | | | | 32s | | | |
| Lac | SW | S1 | | 36+ | 32+ | 28+ | 25+ | 21+ | 33+ | 29+ | 26+ | 22+ | 34+ | 30+ | 26+ | 23+ | 35+ | 31+ | 27+ | 24+ | 20+ | 32+ | 28+ | 24+ | 21+ | 33+ | 29+ | 25+ | 22+ | 34+ | 30+ | 26+ | 22+ |
| Lac | UW | ES | | | | | 16 | | | | | 45 | | | | | 74 | | | | | | 3 | | | | | 32 | | | | | |
| Lac | CO | EX | | | 54 | 28s | 62 | 37s | | | 45s | 25 | | 54s | 33 | | 62s | 42 | | | 50 | 25s | | 59 | 33s | | 42s | 21 | | 50s | 30 | | |
| Lac | CZ | 90 | | 55 | 42 | 28 | 58 | 44 | 31 | 60 | 47 | 33 | | 49 | 36 | 22 | 52 | 38 | 24 | 54 | 40 | 27 | 57 | 43 | 29 | | 45 | 32 | | 48 | 34 | 21 | 50 |
| Lac | V345 | EX | | | 47 | | 12s | | | | | 96 | | 61s | | | | | | 45 | | | 10s | | 94 | | | 59s | | | | | |
| Lac | V364 | EX | | | | | 52 | | | | 25s | | | | | | | | | | | 23 | | | | | | | | | | | |
| Leo | RR | RR | | | 68 | 59 | | | 75 | 66 | 56 | | | 73 | 63 | 54 | | | 70 | 61 | 51 | | 78 | 68 | 59 | 49 | | 75 | 66 | 56 | 47 | | |
| Leo | SS | RR | 3 | | | | 73 | | | | | 74 | | | | | 75 | | | | | 76 | | 64 | | 77 | | 65 | | | | 78 | |
| Leo | ST | RR | 2 | | | | | | 75 | 70 | 66 | | | | | | | | | | 74 | 70 | 65 | 61 | | | | | 78 | 74 | 69 | | |
| Leo | WY | ES | | | | | 74 | | | | | 72 | | | | | 71 | | | | | 70 | | | | 68 | | | | | | 67 | |
| Leo | AG | ES | | 56 | | | | 65s | | | | | 74 | | | | | | | | 53 | | | | 62s | | | | 71 | | | | |
| Leo | AM | S1 | | 73s | 65 | 75 | 66s | 76s | 67 | 77 | 68s | 70 | 61s | 71s | 62 | 72 | 63s | 73s | 65 | 74 | 66s | 57+ | 67 | 58+ | 68s | 60+ | 69 | 61+ | 71s | 62 | 72 | 63s | |
| Leo | FM | EU | 3 | | | | 75s | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lyn | TY | ES | | | | | | | 63 | | | | | | | | | | | | | | 63 | | | | | | | | | | |
| Lyn | CD | ES | | | | | | 46s | | 73 | | | | | | | 56s | | | | | | | | 38 | | 66s | | | | | | |
| Lyr | RR | RR | | | 26 | 40 | | | 23 | 37 | | | 20 | 33 | | | | | | | | | 30 | | | | 27 | 40 | | | 21 | 34 | |
| Lyr | RZ | 90 | | | | | | | | | | | | 20 | 23 | 25 | 27 | | | | | | 29 | 32 | 34 | | | | | | | | |
| Lyr | UZ | S1 | | | | | | | | 42s | 36 | 31s | 25 | 20s | | | | | | | | | | | | | | 38 | 33s | 27 | 22s | | |
| Lyr | CN | 90 | | | 33 | | 38 | 21 | | 26 | | 32 | | 20 | | 26 | | 31 | | | | | 25 | | 31 | | | 19 | | 24 | | 30 | |
| Lyr | EZ | RR | | | 24 | 29 | 34 | 39 | | | | | | 22 | 27 | 32 | 37 | | | | | | | 20 | 25 | 30 | 35 | | | | | | |
| Lyr | IO | 90 | 3 | | 27 | | | | 31 | | | | | | | | | | | | | | 28 | | | 20 | | | | 24 | | | |
| Lyr | beta | S1 | | | | 97 | | | | | | 44s | | | | | | | | | | 91 | | | | 38s | | | | | | 85 | |
| Mon | UX | ES | 2 | 86s | | | 81 | | 77s | | | 72 | | | | 67s | | 62 | | | 57s | | | 53 | | | 48s | | | 43 | | | |
| Mon | VV | ES | 2 | | 4s | | 6 | | | 9s | | | 11 | | | 14s | | | 16 | | | 19s | | | 21 | | 24s | | | | 26 | | |
| Mon | AQ | ES | 2 | 64s | | | | | 73s | | | 55 | | | | | 64 | | | | | 73 | | | 55s | | | | | 64s | | | |
| Mon | AR | L1 | 1 | | | | | | | 51\ | 36s | | 21/ | | | | | | | | | | | | | | 81/ | | | | | | 72\ |
| JD | 580 | .. | | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 |

| 2017 | Nov | P | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | | | |
|------|-------|----|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|
| Mon | AT | ES | 2 | | | | | | | | | | | | 52 | | 55 | | 58 | | 61 | | 64 | | 67 | | 70 | | | | | | | | |
| Mon | AV | ES | 2 | | | | 41 | | 89s | | | | 36 | | | 83s | | | | 31 | | | 78s | | | | 25 | | | 73s | | | | | |
| Mon | EZ | EU | 3 | 70 | | 58s | 70 | | 59s | 71 | | 60s | 72 | | 60s | 73 | 49 | 61s | 74 | 49 | 62s | | 50 | 63s | | 51 | 64s | | 52 | 65s | | 53 | 66s | | |
| Mon | IL | ES | 2 | | | 53 | | | 55 | | | | 58 | | | | 60 | | | | 63 | | | | 66 | | | | 68 | | | | | | |
| Mon | V448 | ES | | 70 | | | 49s | 61s | 73s | | | 53 | 65 | | 76 | | 56s | 68s | | | 47 | 59 | 71 | | 51s | 63s | | 42 | 54 | 66 | | | | | |
| Mon | V530 | EU | 3 | 60 | 66 | 71 | 50+ | 55s | 60s | 65s | 70s | 49+ | 54 | 59 | 64 | 69 | 48+ | 53s | 58s | 63s | 68s | 47+ | 52 | 57 | 63 | 68 | 47+ | 52s | 57s | 62s | 41+ | 46+ | 51 | | |
| Mon | V536 | | | | | | | | | | | | | | | | 48s | | | | | 61s | | | | | | 75s | | | | | | | |
| Mon | V634 | EU | | | | | | | | | | | | | | | 54 | | | 65 | | | | | | | | | | | | | | | |
| Oph | ST | 90 | 2 | | | | | | | | | | | 21 | | | | | | | | | | | | | | | | | | | | | |
| Ori | Z | ES | 2 | 87 | | | | | | 7 | | | | | | | | | | | | | | 68 | | | | | 89 | | | | | | |
| Ori | BM | ES | | 32 | | | | | | 79 | | | | | | 26 | | | | | | | 73 | | | | | | 20 | | | | | | |
| Ori | CP | ES | 2 | | | 43 | | | | | 75 | | | | | 7 | | | | | | 39 | | | 71 | | | | | | | | 3 | | |
| Ori | DN | L1 | 2 | | 96 | | | | | | | | | | | | 93 | | | | | | | | | | | | 89 | | | | | | |
| Ori | EW | EX | | | | | | | | 47 | | | | | | | 40 | | | | | | | | | | | | | | | | | | |
| Ori | FO | L1 | 2 | | | | | | | | 18 | | | | | | | | | | | | | | | | | 98 | | | | | | | |
| Ori | FT | EX | | | 62s | 65 | | 77s | | | | | | | | | | | | | 37s | 41 | | 52s | 56 | | 67s | 71 | | | | | | | |
| Ori | GG | EX | | | | | | | | | 71s | | | 51 | | | | | | | | | | | | | | | | 61s | | | | | |
| Ori | V536 | ES | 2 | | | | | | | | | 45 | | | 61 | | | | | | | | | | | | | | | | 43 | | | | |
| Ori | V1016 | L1 | 3 | | | | | 35 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ori | V1031 | ES | 2 | | | 57 | | | | | | | | | | | 49s | | | | | 60 | | | | | | | | | | | | | |
| Peg | U | S1 | | 37+ | 31+ | 24+ | 37+ | 30+ | 24+ | 37+ | 30+ | 24+ | 36s | 30+ | 24+ | 36s | 30+ | 24+ | 36s | 30+ | 23+ | 36s | 30+ | 23+ | 36s | 29+ | 23+ | 36s | 29+ | 23+ | 35s | 29+ | 23+ | | |
| Peg | VV | RR | | | | 49 | 46 | 44 | 42 | 39 | 37 | 35 | 32 | 30 | 28 | 25 | 23 | 21 | | | | | | | | | | | | 42 | 39 | 37 | 35 | | |
| Peg | VW | | | | | | 61 | | | | | | | | | | | | | | | | | | | 68 | | | | | | | | | |
| Peg | AV | RR | | 46 | 24 | 42 | | 37 | | 32 | | 27 | 44 | 22 | 39 | | 35 | | 30 | | 25 | 42 | 20 | 37 | | 33 | | 28 | | 23 | 40 | | 35 | | |
| Peg | AW | L1 | | | 67 | | | | | 98s | | | | | | 29 | | | | | | 60s | | | | 91 | | | | | | | | 22s | |
| Peg | BH | 90 | | | 35 | | 27 | | | 47 | | 40 | | 32 | | 24 | | | 45 | | 37 | | 29 | | 22 | | | 42 | | 34 | | 27 | | | |
| Peg | BK | ES | | | 21s | | | | | | | 44 | | | | | | | | | | | | 42 | | | | | | | | | | | |
| Peg | CG | 90 | | 26 | | | | 47 | 40 | 34 | 27 | 21 | | | | 41 | 34 | 28 | 21 | | | | | 42 | | | | | 42 | 36 | 29 | 23 | | | |
| Peg | DF | L1 | | | | | | | | | | 27 | | | | | | | | | | | | | 97 | | | | | | | | | | |
| Peg | DH | RR | 3 | 31 | 33 | 36 | 38 | 40 | 42 | 44 | 21 | 23 | 25 | 28 | 30 | 32 | 34 | 36 | 39 | 41 | | 20 | 22 | 24 | 26 | 29 | 31 | 33 | 35 | 37 | 40 | | | | |
| Peg | GH | ES | | | | | 27 | | | | | 38 | | | | | | | | | 32s | | | | | | | | | 27 | | | | | |
| Peg | IP | K1 | | 27+ | 22+ | 33+ | 27+ | 22+ | 33+ | 28+ | 23+ | 34+ | 29+ | 24+ | 34+ | 29+ | 24+ | 35+ | 30+ | 25+ | 20+ | 30+ | 25+ | 20+ | 31+ | 26+ | 21+ | 32+ | 27+ | 21+ | 32+ | 27+ | 22+ | | |
| Per | RW | L1 | 2 | | | | | | | | | | | | | 14 | | | | | | | | | | | | | | | | | | | |
| Per | RY | ES | | 71 | | | | | | | | | | | | | 44 | | | | | | | | | 30 | | | | | | | | 74s | |
| Per | AG | EX | | 47 | 44s | 50 | 47s | 53 | 50s | 56 | 53s | 58 | 56s | 61 | 58s | 64 | 61s | 67 | 64s | 70 | 67s | 73 | 70s | | 73s | | | | | | | | | | |
| Per | AR | 90 | | 50 | 35+ | 63 | 48 | 33+ | 60 | 46 | 31+ | 58 | 43 | 29+ | 56 | 41 | 26+ | 54 | 39 | 24+ | 52 | 37 | 22+ | 50 | 35+ | 20+ | 48 | 33+ | 61 | 46 | 31+ | 58 | 44 | | |
| Per | AY | L1 | | | | | | | | | | | | | | | 80 | | | | | | | | | | | | | | | | | | |
| Per | IQ | | | 32 | | | | 59s | 55 | 33s | 29 | | | 78 | 56s | 52 | 31s | 27 | | | | 75 | 54s | 50 | 28s | 24 | | 77s | 73 | 51s | 47 | 25s | 21 | | |
| Per | KN | EU | | 56 | 43 | 30+ | 60s | 46s | 33+ | 63 | 50 | 36 | 23+ | 53s | 40s | 26+ | 56 | 43 | 30+ | 59s | 46s | 33s | 63 | 49 | 36 | 23+ | 53s | 39s | 26+ | 56 | 43 | 29+ | 59s | | |
| JD | 580 | .. | | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | | |

| 2017 | Nov | P | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | |
|------|-------|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|
| Per | LX | L1 | | 53 | | | | 55s | | | | 57 | | | | 59s | | | | 61 | | | | 63s | | | | 65 | | | | 67s | |
| Per | beta | S1 | | | 38s | | | 25s | 68 | | | 55 | | | 41 | | | 28 | 72s | | | 58s | | 45s | | | 32s | | | | 19s | 62 | |
| Psc | RU | 90 | 34 | 51 | 29 | 46 | 25+ | 42 | 59 | 37 | 54 | 32 | 49 | 27 | 44 | 22+ | 40 | 57 | 35 | 52 | 30 | 47 | 25 | 42 | 20 | 37 | 55 | 33 | 50 | 28 | 45 | 23 | |
| Psc | RY | 90 | 2 | 40 | 46 | | | | 22 | 28 | 34 | 40 | 46 | | | | | 23 | 29 | 35 | 41 | 47 | | | | 23 | 29 | 35 | 41 | | | | |
| Psc | SS | 90 | | 29+ | 44 | 30+ | 45 | 32+ | 47 | 33+ | 48 | 35 | 21+ | 36 | 22+ | 38 | 24+ | 39 | 25+ | 40 | 27+ | 42 | 28+ | 43 | 30+ | 45 | 31 | 46 | 33 | 19+ | 34 | 20+ | 36 |
| Sge | SY | ES | | | 22s | | | | | | | 30s | | | | | | | | | | | | | | | | 23 | | | | | |
| Ser | AN | 90 | | 21 | | | | | | | | | | | | | | | | | | | | | | | 75 | 79 | | | | | |
| Ser | BH | 90 | | | | | | | | | | | | 75 | | | | | | | | | | 75 | | | 79 | | | | | 70 | |
| Ser | EG | L1 | | 14 | | | | | 11s | | | | | 9 | | | | | 6s | | | | | 3 | | | | | 1s | | | | |
| Ser | LX | K1 | 22 | | | | | | | | | | 20 | | | | | 75 | | | 76 | | | 77 | | 78 | 73 | | 79 | 74 | | | |
| Sex | T | 90 | | | | 75 | 73 | 70 | 67 | 65 | 62 | 60 | | | | | | 77 | 74 | 71 | 69 | 66 | 64 | 61 | 58 | 56 | | | | 78 | 75 | 73 | |
| Tau | RW | S1 | 3 | 61 | | | 38 | | | | | | | | 69 | | | 46 | | | 22 | | | | | | | 53 | | | | 30 | |
| Tau | CD | S1 | 3 | | 71s | | 42 | | | | | 58s | | | | | | | | 45s | | | | 60 | | 32s | | | | | | 47 | |
| Tau | EN | ES | 2 | 59s | | | | 54s | | | | | 50s | 74 | | | | 46s | 69 | | | | 41s | 65 | | | 37s | 61 | | | | | |
| Tau | V1094 | L1 | | | 5 | | | | | 92s | | | | 4 | | | | | 90s | | | | 3 | | | | 89s | | | | | 1 | |
| Tri | X | S1 | | | | | | 68 | 65 | 62 | 59 | 56 | 53 | 51 | 48 | 45 | 42 | 39 | 36 | 34 | 31 | 28 | 25 | 22 | 19 | | | | | | | | |
| Tri | RU | ES | 2 | | 68 | | 31s | | | 58s | | 22 | | | 48 | | | | | | 39s | | 66s | | 29 | | 56 | | | 19s | | | |
| Tri | UX | 90 | | 42 | 36 | 29 | 23 | 63 | 56 | 49 | 43 | 36 | 30 | 23 | 63 | 56 | 50 | 43 | 37 | 30 | 23 | 63 | 57 | 50 | 44 | 37 | 30 | 24 | | 57 | 51 | 44 | 37 |
| UMa | W | S1 | | 52+ | 52+ | 52+ | 52+ | 35+ | 36+ | 36+ | 36+ | 36+ | 36+ | 36+ | 36+ | 36+ | 36+ | 36+ | 36+ | 36+ | 37+ | 37+ | 37+ | 37+ | 37+ | 37+ | 37+ | 37+ | 37+ | 37+ | 38+ | 38+ | |
| UMa | RV | RR | | 66 | 59 | | | | 27+ | 21+ | 61 | 55 | | | | 76 | 23+ | 63 | 57 | 51 | | | 78 | 72 | 19+ | 59 | 53 | | | 74 | 21+ | | |
| UMa | RW | ES | | | | | | | | | | | | | | 45s | | | | | | | 77s | | | 44 | | | | | | | |
| UMa | TU | RR | | | 66 | 77 | | | 56 | 67 | | | | 58 | 69 | | | | 60 | 71 | | | | 62 | 73 | | 52 | 63 | 75 | | | | |
| UMa | TX | S1 | 3 | | | | | | | | | | | | | | | | | | | | | 45 | | | 52 | | | 58 | | | |
| UMi | W | S1 | 3 | 71 | 41 | | | | | 52 | | 22 | | | 62 | | 32 | | | | 72 | | 43 | | | | 53 | | 23 | | | 63 | |
| Vir | ST | 90 | 2 | | | | | | | | | | | | | | | | | | | | | | 79 | | | | | | | 77 | |
| Vir | AG | ED | | | | 74s | 70 | 67s | | | | | | 77 | 74s | 70 | 66s | 63 | | | | | 77 | 73s | 70 | 66s | 63 | 59s | | | | 77 | |
| Vir | AH | S1 | | 67s | 69 | 71s | 73 | 75s | 77 | | | | 66 | 68s | 70 | 71s | 73 | 75s | 77 | | | 62 | 64s | 66 | 68s | 70 | 72s | 74 | 76s | 77 | 59+ | 61s | |
| Vir | AT | 90 | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Vir | AV | 90 | | | | | | | | 77 | | | 75 | | 72 | | 69 | | | | | | | | | | | | | | | | |
| Vir | CG | ES | | | | | | | | | | | | | | | | | | 78s | | | | | | | | | | | | | |
| Vul | Z | S1 | | | | | | | | | | | | | | 32 | | | | | 23 | | | | | | | | | | | | |
| Vul | BN | 90 | | | 26 | | | 24 | | | 21 | | | | | 36 | | 34 | | | | | | 28 | | 25 | | | | 22 | | | |
| Vul | DR | EX | | | 33s | 24 | | | | | | | | | 33s | 25 | | | | | | | 33s | 25 | | | | | | | | 34s | |
| Vul | EV | ES | | | | | | | | | | | 29 | | | | | | | | | | | | | | | | | 22 | | | |
| JD | 580 | .. | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | |

| 2017 | Dez | P | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | |
|------|-------|----|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| And | SW | RR | | 49 | 37 | 26 | | 47 | 35 | 24 | | 45 | 33 | 22 | | 43 | 31 | 20 | | 41 | 29 | | 39 | 27 | | 49 | 37 | 25 | | 47 | 35 | 24 | | |
| And | SY | L1 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | 78\ | 82 | 87/ | | | | |
| And | TW | S1 | | 24s | | 30 | | 37s | | 43 | | 49s | | | | | | | | | | | | | | | | | | | | | | |
| And | XX | 90 | | 47 | 19 | | 36 | 53 | 25 | | 42 | | 58 | 31 | | 48 | 20 | | 37 | | 53 | 26 | | 43 | | 32 | | 49 | 21 | | 38 | | | |
| And | CD | L1 | 2 | | | | | | | | | | | 40\ | \ | 47 | / | 54/ | | | | | | | | | | | | | | | | |
| And | OV | 90 | | 21 | | 56 | 50 | 44 | 39 | 33 | 27 | 21 | 56 | 50 | 44 | 39 | 33 | 27 | 21 | 21 | | 50 | 44 | 38 | | | | 50 | 44 | 38 | | 33 | | |
| Aqr | SW | RR | 3 | | | | 26 | | | | | | 23 | | | | | | | | | | 25 | | | | | 22 | | | | | | |
| Aqr | SX | 90 | | 21 | 28 | | | | | | 25 | 32 | | | | | | | 21 | 28 | | | | 25 | | | | | | | | | 21 | |
| Aqr | CD | ES | | 17 | | | | 1 | | | | 85 | | | | | 69 | | | | 52 | | | 36 | | | | | | | 20 | | | |
| Aqr | HH | 90 | 2 | | 24 | | | | 26 | | | | 28 | | | | 30 | | | | | | 20 | | | | 22 | | | | 24 | | | |
| Aqr | LL | L1 | 3 | | | | | | 3s | | | | | | | | | | 12 | | | | | | | | | 21s | | | | | | |
| Aql | AA | RR | | 22 | | | | 20 | | | | | | | | | 24 | | | | 22 | | | 20 | | | | | | | | | | |
| Aql | V341 | 90 | 3 | | 26 | | | | | | 19 | | | | | 24 | | | | | | | | 22 | | | | | | | | | | |
| Aql | V889 | L1 | | | | 87 | | | | 82s | | | | | | | 99 | | | | 94s | | | | | | | 12 | | | | 6s | | |
| Aql | V1353 | ES | | | | 27s | | | | 22 | | | | | | | | | | | | | 24s | | | | 20 | | | | | | | |
| Aql | V1426 | ES | | 57s | 16+ | 33+ | 51 | 10+ | 27+ | 45s | 3+ | 21+ | 39+ | 56 | 15+ | 32+ | 50s | 9+ | 26+ | 44 | 2+ | 20+ | 37+ | 55s | 14+ | 31+ | 49 | | | | | | | |
| Aql | V1430 | ES | | | | 22 | | | | | | | 21 | | | | | | | | 20 | | | | 19 | | | | | | | | | |
| Ari | X | RR | 3 | 49 | | 44 | | 39 | | 35 | | 30 | | 25 | 55 | 21 | 51 | | 46 | | 42 | | | 37 | | 32 | | 28 | | 23 | | 49 | | |
| Ari | RS | L1 | 2 | | | | | | | | 42 | | | | | | | | | | 22 | | | | | | | 2 | | | | | | |
| Ari | AL | ES | | | | | | 35 | | | | | | | | | | | | | | | 34 | | | | | | | | | | | |
| Aur | TZ | 90 | 3 | 55 | 33+ | 51 | 29+ | 46 | 64 | 42 | 60 | 38+ | 56 | 34+ | 51 | 30+ | 47 | 26+ | 43 | 61 | 39+ | 56 | 35+ | 52 | 31+ | 48 | 26+ | 44 | 22+ | 40+ | 57 | 36+ | 53 | 31+ |
| Aur | CQ | L1 | 3 | | 69 | | | | | 00s | | | | | | 31 | | | | | | 62s | | | | 93 | | | | 24s | | | | |
| Aur | IY | ES | | | | 64 | | 44 | | | 23 | | | | | | | | 61 | | | 40 | | | 20 | | | | | | | | 58 | |
| Aur | V432 | ES | | 31 | | | 39 | | 47 | | | 55 | | | | 64 | | | 72 | | 26s | | | 34s | | 42s | | | 50s | | | 59s | | |
| Boo | RS | RR | | 65 | 78 | | 67 | | 69 | | | 70 | | 59 | 72 | | 61 | | 74 | | 63 | 76 | | 65 | 78 | | 67 | 55 | 68 | | 57 | 70 | | |
| Boo | TW | 90 | | | | | 58 | 65 | 71 | 78 | | | | | | 57 | 63 | 70 | 76 | | | | | 55 | 62 | 68 | 75 | | | 54 | 60 | | 67 | |
| Boo | UU | 90 | | | | 77 | 68 | | | | 79 | 71 | 62 | | | | | | 65 | | | 76 | | 67 | 59 | | 79 | 70 | 61 | | | | 73 | |
| Boo | UY | 90 | | 75 | | 70 | | 65 | | | | | | | | | | | | 72 | | 67 | | 62 | | | | | 78 | | | 74 | | |
| Boo | AC | ED | | 62s | 68s | 21+ | 62+ | 68 | 20+ | 61+ | 67s | 20+ | 61+ | 67 | 20+ | 61+ | 66s | 54+ | 60+ | 66 | 54+ | 60+ | 65s | 54+ | 59+ | 65 | 53+ | 59+ | 65s | 53+ | 58+ | 64 | 52+ | 58+ |
| Boo | CM | 90 | | 76 | | | | | 64 | | | 68 | | | | 73 | | | 77 | | 60 | | | 64 | | 69 | | 73 | | | 78 | | | |
| Boo | CQ | 90 | | 74 | | 71 | | 68 | | 78 | | 76 | | 73 | | 70 | | | 68 | | 65 | 78 | | 75 | | 72 | | 70 | | 67 | | 64 | 77 | 62 |
| Boo | CS | 90 | | | 62 | 73 | | | 60 | 71 | | | | | | 69 | | | | | | 67 | 78 | | | 65 | 76 | | | 63 | 74 | | | |
| Cam | SS | ES | | 59s | | | 0 | 42s | | 83 | | | 24s | | 65 | | | | 6s | | 47 | | 88s | | 30 | | 71s | | 12 | | 53s | | | |
| Cam | SV | S1 | | 22+ | 41+ | 30+ | 19+ | 37+ | 26+ | 45+ | 34+ | 23+ | 41+ | 30+ | 19+ | 38+ | 27+ | 45+ | 34+ | 23+ | 42+ | 31+ | 20+ | 38+ | 27+ | 46+ | 35+ | 24+ | 43+ | 32+ | 20+ | 39+ | 28+ | 47+ |
| Cam | AK | ES | 3 | 50 | 61s | 72 | | | | | | 29s | 40 | 52s | 63 | 74s | | | | | | 20s | 31 | 42s | 54 | 65s | 76 | | | 22 | 33s | 44 | 56s | |
| Cam | AN | | | 9 | | | | | | | | | | | | | | | | 43s | | | | 9 | | | | | | | | | | |
| Cam | AT | ES | | 76s | 46 | | 55s | 25 | 65 | 35s | 74s | 44 | | 53s | 23 | 63 | 33s | 72s | 42 | | 51s | 21 | 61 | 30s | 70s | 40 | 79 | 49s | 19 | 59 | 28s | 68s | 38 | 77 |
| Cnc | S | L1 | 3 | | | | | | | | 51 | | | | | | | | | | 0 | | | | | | | | | 48 | | | | |
| Cnc | RU | L1 | 2 | | | | 23 | | | | | | | | | 40 | | | | | | | | | | 57 | | | | | | | | |
| JD | 580 | .. | | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | | | | | | | | | | | | | | | | | | | | |
| JD | 581 | .. | | | | | | | | | | | | | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 |

| 2017 | Dez | P | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | |
|------|------|----|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|
| Cnc | RW | 90 | 63 | 72 | | | 46 | 55 | 65 | 74 | | 38 | 48 | 57 | 67 | 76 | | 40 | 50 | 59 | 68 | 78 | | 42 | 52 | 61 | 70 | | 35 | 44 | 53 | 63 | 72 | |
| Cnc | RZ | L1 | 2 | | | 25\ | 87 / | 50/ | | | | | | | 7\ | 70s | | / | 32/ | | | | | 89\ | \ | | 52 | / | 14/ | | | | | |
| Cnc | TT | 90 | | | 51 | 63 | 76 | | 45 | 58 | 70 | | | 52 | 65 | 78 | | 47 | 59 | 72 | | 41 | 54 | 66 | | | 48 | 61 | 73 | | 43 | 55 | 68 | |
| Cnc | TU | ES | 3 | 89 | | | | | 46 | | | | | | | | | | | | | | | | 14 | | | | | | 70 | | | |
| Cnc | TW | L1 | 2 | | | | | | | | | | | | | | | | 74\ | 80 | 86/ | | | | | | | | | | | | | |
| Cnc | UU | L1 | 2 | | | | | | / | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cnc | ZZ | L1 | 2 | | | | | | | | 9\ | 11 | 14/ | | | | | | | | | | | | | | | | | | | | | |
| Cnc | AQ | 90 | | 52 | 62 | 71 | | | 46 | 55 | 65 | 75 | | | 49 | 59 | 68 | 78 | | 43 | 52 | 62 | 72 | | | 46 | 56 | 65 | 75 | | 40 | 49 | 59 | |
| CVn | W | 90 | | | | 60 | 70 | | | | 56 | 67 | 77 | | | | 63 | 74 | | | | 60 | 70 | | | 56 | 67 | 77 | | | 53 | 63 | | |
| CVn | Z | 90 | | | 76 | | 72 | | 68 | | 64 | | 61 | | 57 | | 53 | | 49 | | 45 | 76 | | 72 | | 69 | 65 | | 61 | | 57 | | | |
| CVn | RS | S1 | | 73 | | | | 53 | | | | | 72 | | 73s | | | | | 52s | | | | | | 72 | | | | | 52 | | | |
| CVn | RZ | 90 | | 64 | 78 | | | 62 | 75 | | | 59 | 72 | | | 56 | 70 | | | 53 | 67 | | | | 64 | 77 | | 61 | 75 | | | | 58 | |
| CMa | R | S1 | 3 | 59s | | | | 57 | | | | 55s | | | | 52 | | | | 50s | | | 47 | | | | 45s | | | | | | 56 | |
| CMi | AM | ES | | | | | | | | | | | | | 40 | 42 | 44 | | 46 | 48 | 50 | 52 | 54 | 56 | 57 | 59 | 61 | 63 | 65 | 67 | 69 | | | |
| Cas | RX | L1 | 2 | | | \ | \ | \ | \ | 71s | / | / | / | / | | | | | | | | | \ | \ | \ | 87 | / | / | / | / | / | / | | |
| Cas | RZ | S1 | | 57 | 77 | | | 35 | 55 | 74 | | | | 33 | 52 | 72 | | | | | 31 | 50 | 70 | | | 28 | 48 | 67 | | | 26 | | 45 | |
| Cas | SX | L1 | 2 | | | | | 81\ | \ | 64 | / | 47/ | | | | | | | | | | | | | | | | | | | | | | |
| Cas | TV | S1 | | | | | 57 | | 38 | | 20 | | | | | 63 | | 45 | | 26 | | | | | | 51 | | 32 | | | | | | |
| Cas | TW | S1 | | | 33 | 76 | | | 61 | | | 47 | | | 33 | 75 | | | 61 | | | 47 | | | 32 | 75 | | 61 | | | 47 | | | |
| Cas | TX | ES | | 65s | | 58s | | | 51s | | | 43s | | | 36s | | | 29s | 75 | | 21s | 68 | | | 60 | | 53 | | | 46 | | | | |
| Cas | AQ | L1 | 3 | | | 61\ | 66 | 72/ | | | | 47\ | 52s | 58/ | | | | 33\ | 38 | 44/ | | | | 19\ | 25s | 30/ | | | 5\ | 11 | 16/ | | | |
| Cas | DN | ES | | | | | 29s | 44 | 60s | 75 | | | | | 22s | 37 | 53s | 69 | | | | | 31 | 46s | 62 | 77s | | 24 | 40s | 55 | 71s | | | 42 |
| Cas | GG | ES | | 35 | | | | | | | | | | | 63 | | | | | | | | | | | | | 66 | | | | | | |
| Cas | GU | EU | | 52 | | 61 | | | | | | | | | | | | | | | | | | | | | 26 | | | 36 | | | | |
| Cas | IL | ES | | | | | 54 | | | | | | 44 | | | | | | | | 35 | | | | | | 25 | | | 70 | | | | |
| Cas | IT | EX | | | | 50 | | | | 39 | | 54s | | 29 | | 44s | | 19 | | 34s | | | | | 23s | | | | | | | | | |
| Cas | OX | EX | | 19 | 39s | 68 | | | | 36s | 66 | | | | | 34s | 64 | | | | 32s | 62 | | | | 30s | 60 | 79s | | 28s | 58 | 77s | | |
| Cas | PV | EX | | | | 66 | 58s | 41 | 33s | | | | 66 | 58s | 42 | 33s | | | | | | 58s | 42 | 33s | | | | 59s | 42 | 34s | | | | |
| Cas | V368 | ES | | | 34 | | 57s | | 79 | | | | | | 25 | 47s | | 70 | | | | | | | | 37s | 60 | | | | | | | |
| Cas | V375 | ED | | 20s | 68s | 41 | 62s | 36 | | 57s | 31 | 78 | 52s | 26 | 73 | 47s | 20 | 68 | 41s | | 62 | 36s | | | 57 | 31s | 78s | 52 | 25s | 73s | 46 | 20s | 67s | 41 |
| Cas | V381 | EX | | 59 | 41s | 34 | | | | 57 | 39s | 32 | | | | | 56 | 38s | 30 | | | | | | 54 | 36s | 29 | | | 53 | 34s | | 27 | |
| Cas | V459 | L1 | | | | | 8s | | | | 37 | | | | | 54s | | | | 83 | | | | 00s | | | 29 | | | | 46s | | | |
| Cep | RZ | 90 | 26+ | 19+ | 42+ | 35+ | 28+ | 20+ | 44+ | 36+ | 29+ | 21+ | 45+ | 37+ | 30+ | 23+ | 46+ | 39+ | 31+ | 24+ | 47+ | 40+ | 32+ | 25+ | 49+ | 41+ | 34+ | 26+ | 19+ | 42+ | 35+ | 28+ | 20+ | |
| Cep | VW | S1 | 31+ | 29+ | 26+ | 24+ | 21+ | 32+ | 30+ | 27+ | 25+ | 22+ | 19+ | 31+ | 28+ | 26+ | 23+ | 20+ | 32+ | 29+ | 27+ | 24+ | 21+ | 19+ | 30+ | 28+ | 25+ | 22+ | 20+ | 31+ | 28+ | 26+ | 23+ | |
| Cep | XX | S1 | | | | 46 | | | | | | | 47 | | | | | | | | 49 | | | | | | 50 | | | | | | | |
| Cep | XY | ES | | | | | | | | 72 | | | 49 | | | 27 | | | | | | | | | 59 | | 36 | | | | | | | |
| Cep | ZZ | S1 | 26 | | 40 | | 55 | | 69 | | | | | | | | | 26 | | 40 | | 54 | | | 68 | | | | | | | | 25 | |
| Cep | AI | ES | | 20s | | 31 | | 42s | | 53 | | | | | 76 | | | | | | | | 21 | | 32s | | 44 | | | | | | 77s | |
| Cep | CW | EX | 40s | | | | 57 | | 30 | 59s | | | | | 32s | 76 | | 49 | 77s | | 22 | 50s | | | 23s | 68 | | 41 | 69s | | | | 42s | |
| JD | 580 | .. | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | | | | | | | | | | | | | | | | | | | | | |
| JD | 581 | .. | | | | | | | | | | | | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | |

| 2017 | Dez | P | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | | |
|------|-------|----|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|
| Cep | EI | L1 | | | 84s | | | | | 6 | | | | 28s | | | | 50 | | | | 72s | | | 94 | | | | | | 16s | | | | |
| Cep | EX | L1 | 2 | | | | | | | | | | 41 | | | | | | | | | | | | 84 | | | | | | | | | | |
| Cep | NN | ES | | | 19s | 22 | 24s | 27 | 30s | 33 | 36s | 39 | 42s | 45 | 48s | 51 | 54s | 57 | 59s | 62 | 65s | 68 | 71s | 74 | 77s | | | | | | | | | | |
| Cet | RR | RR | 2 | 25 | 36 | 46 | | 23 | 33 | 44 | | | 21 | 31 | 42 | | | | | | | | | 27 | 37 | | | 24 | 35 | | | | | | |
| Cet | RV | 90 | 2 | 36 | | | | 35 | | | | | 34 | | | | | 33 | | | | | 31 | | | | 30 | | | | | 29 | | | |
| Cet | TU | ES | 2 | | | 12 | | | 51 | | | | 90 | | | | | 29 | | | | 69 | | | 8 | | | | | | 47 | | | | |
| Cet | TV | L1 | | 74 | | | | 23s | | | | 84 | | | | | | | | | | 95 | | | 44s | | | | | | 5 | | | | |
| Cet | XY | ES | 2 | | | 37s | | | | 54 | | | 33 | | | | 50s | | | | 28s | | 45 | | 23 | | | | | 40s | | | | | |
| Com | S | 90 | | 77 | | 70 | | | 64 | | | 57 | 74 | | | 67 | | 61 | 78 | | | 54 | 71 | | 65 | | 58 | 75 | | 51 | 69 | | | | |
| Com | ST | 90 | | | 68 | | | 67 | | | 67 | | | 66 | | | 65 | | | | 65 | | | 64 | | 64 | | 63 | | 63 | | | | | |
| CrB | U | S1 | | | 67 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Crt | W | 90 | 2 | 74 | | | | 69 | | 75 | | | | | 69 | | 75 | | | | | 70 | | | 64 | | | 70 | | | | | | | |
| Cyg | UY | RR | | | 25 | 37 | | | | 30 | | | | 22 | 34 | | | 27 | | | | | 19 | 31 | | | | 24 | | | | | 29 | | |
| Cyg | XZ | RR | | 21 | | 47 | 41 | 34 | 27+ | 21+ | | | | 40 | 34 | 27+ | 20+ | | | | | 40 | 34 | 27+ | 20+ | | 40 | 34 | 27+ | 20+ | | | | | |
| Cyg | BO | ES | | | | 37 | 24s | 39 | | | | | 39 | 27s | | | | | | 42 | 29s | | | | | | 32s | 20 | | | | | | | |
| Cyg | BR | ES | | 25s | | 24 | 24s | | 24 | | 24s | | 24 | | 24s | | 24 | | 24s | | 24 | | 23s | | 23 | 23s | | 23 | | 23s | | | 23 | | |
| Cyg | DM | RR | | 20 | | 29 | 39 | 23 | | 33 | | | 27 | | 37 | 21 | | 31 | | | | 25 | | 35 | 19 | 29 | | 23 | | 33 | | | | | |
| Cyg | EM | K1 | 3 | | 28 | | 32 | 19 | 23 | | 26 | | 30 | | 21 | | | 24 | | 28 | | | 19 | | 23 | | 26 | | | | 21+ | | | | |
| Cyg | V367 | L1 | 2 | | 10 | / | / | | | | \ | \ | 40s | / | / | | | | | | \ | \ | 70 | / | / | / | | \ | \ | \ | 0s | / | | | |
| Cyg | V463 | ES | | 23 | 29s | 35 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cyg | V477 | | | | | | | | | | 19s | | | | 19 | | | | 24s | | | | 23 | | 28s | | | 27 | | | | | | | |
| Cyg | V541 | L1 | | | | | | 16s | | | | | | | | 47 | | | | | | | | 50s | | | | | | 80 | | | | | |
| Cyg | V548 | ES | | | 44 | 35s | 25 | | | 76s | | | | | 37s | 27 | | | | 79s | 69 | | | 40s | 30 | 20s | | 72 | | | | | | | |
| Cyg | V788 | L1 | | | | | | | | | | | | | | | | 3\ | 94/ | | | | | | | | | | | | | | | | |
| Cyg | V891 | ES | | | 29 | | 19 | | | | | | | | | | | | | | | | | | 25 | | | | | | | | | | |
| Cyg | V909 | ES | | 29 | | | | | | | 30s | | | | | | | | | | | | | | | | | | | | | | | | |
| Cyg | V1061 | ES | | | 43 | | | | | | | 47 | | | | | | | | | | | | 20 | | | | | | 24 | | | | | |
| Cyg | V1918 | ED | 3 | 31+ | 34+ | 38+ | 20+ | 23+ | 27 | 30+ | 33+ | 37+ | 19+ | 23 | 26s | 29+ | 32+ | 36+ | 39s | 22s | 25 | 28+ | 32+ | 35+ | 38+ | 21 | 24+ | 27+ | 31+ | 34+ | 37+ | 20s | 23+ | 26+ | |
| Del | DX | 90 | | | | | | | 32 | 27 | 21 | | | | | | | 30 | 25 | 19 | | | | | | 28 | 23 | | | | | | | | |
| Dra | RW | RR | | | 29+ | 62 | | | 27+ | 60 | | | 26+ | 59 | | | 25+ | 58 | | 79 | 23+ | 56 | | 33+ | 22+ | 55 | | 32+ | 21+ | 53 | | 31+ | 19+ | | |
| Dra | SU | RR | | 27 | 59 | 25 | 57 | 23 | 55 | 21 | 53 | 19 | 51 | | 49 | | 47 | | 46 | 78 | 44 | 76 | 42 | 74 | 40 | 72 | 38 | 70 | 36 | 68 | 34 | 66 | 32 | 65 | |
| Dra | SW | RR | | 72 | 29 | 43 | 56 | 70 | 27 | 41 | 55 | 69 | 26 | 40 | 54 | 68 | 25 | 39 | 53 | 67 | 24 | 38 | 52 | 65 | 22+ | 36 | 50 | 64 | 21+ | 35 | 49 | 63 | 20+ | 34 | |
| Dra | TZ | ED | | | 29+ | | | | 32+ | 19 | | 79 | 22s | | 25+ | | | 28+ | | | | 32+ | | 78 | 21+ | | 24+ | | | 27+ | | | | | |
| Dra | VZ | 90 | | 27+ | 23+ | 20+ | | 76 | 73 | 37+ | 33+ | 29+ | 26+ | 22+ | 51 | 79 | 75 | 72 | 68 | 32+ | 28+ | 25+ | 21+ | 49 | 78 | 74 | 70 | 67 | 31+ | 27+ | 23+ | 20+ | 48 | 44+ | |
| Dra | WW | S1 | 3 | | 45 | | | | | | | | 71 | | | | | 34 | | | | | | | | 60 | | | | | | 23 | | | |
| Dra | XZ | RR | | 45 | 40 | 36 | 31+ | 26+ | 21+ | 64 | 60 | 55 | 50 | 46 | 41 | 36 | 31+ | 27+ | 22+ | 65 | 60 | 56 | 51 | 46 | 41 | 37 | 32 | 27+ | 23+ | 66 | 61 | 56 | 51 | 47 | |
| Dra | AI | S1 | | | | 22 | | | 62 | | | 22 | | | | | | | 21 | | 61 | | | | 21 | | 60 | | | 20 | | 60 | | | |
| Dra | BF | | | 22s | | | | | 2 | | | | | | 43s | | | | | | 23 | | | | 64s | | | | | 44 | | | | | |
| Dra | BK | 90 | | 40 | 59 | 77 | 36 | 55 | 73 | 32 | 51 | 69 | 28 | 47 | 65 | 24 | 43 | 61 | 20 | 39 | 57 | 76 | 35 | 53 | 72 | 31 | 49 | 68 | 27 | 45 | 64 | 23 | 41 | 60 | |
| JD | 580 | .. | | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | | | | | | | | | | | | | | | | | | | | | |
| JD | 581 | .. | | | | | | | | | | | | | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | |

| 2017 | Dez | P | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | | | |
|------|------|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|
| Dra | BU | ES | | | | | | 73s | | 64 | | 56s | | 47 | | | | | | 21s | | | | | | | | 78 | | 70s | | 61 | | | | |
| Dra | DD | 90 | 34+ | 32+ | 31+ | 29+ | 27+ | 25+ | 23+ | 21+ | 19+ | 49 | 47 | 46+ | 44+ | 42+ | 40+ | 38+ | 36+ | 34+ | 32+ | 30+ | 28+ | 26+ | 24+ | 22+ | 20+ | 51 | 49 | 47+ | 45+ | 43+ | 41+ | | | |
| Dra | EX | K1 | 37+ | 21+ | 26+ | 31+ | 36+ | 20+ | 25+ | 30+ | 35+ | 19+ | 24+ | 29+ | 34+ | 39+ | 23+ | 28+ | 33+ | 38+ | 22+ | 27+ | 32+ | 37+ | 21+ | 26+ | 31+ | 36+ | 20+ | 24+ | 29+ | 34+ | 39+ | | | |
| Dra | GV | L1 | | | | | | | | | | | | | | | | | | | 50 | | | | | | | | | | | | | | | |
| Equ | S | S1 | | | | | | | | | | | | | | | | | | | | | | | | | | 22 | | | | | | | | |
| Eri | SV | 90 | | | 33 | | 47 | | | 33 | | 47 | | | 32 | | 47 | | | 32 | | 46 | | | 32 | | | | | 32 | | | | | | |
| Gem | U | K1 | 3 | 54+ | 42+ | 49+ | 37+ | 43+ | 49+ | 38+ | 44+ | 50+ | 39+ | 45+ | 51+ | 39+ | 45+ | 34+ | 40+ | 46+ | 35+ | 41+ | 47+ | 35+ | 41+ | 48+ | 36+ | 42+ | 31+ | 37+ | 43+ | 31+ | 38+ | 44+ | | |
| Gem | RR | 90 | 3 | 36+ | 55 | 34+ | 53 | 33+ | 52 | 32+ | 51 | 30+ | 49 | 69 | 48 | 67 | 47 | 66 | 45 | 65 | 44 | 63 | 43 | 62 | 41 | 60 | 40 | 59 | 39 | 58 | 37+ | 56 | 36+ | 55 | | |
| Gem | RY | L1 | 3 | | | 74 | | | | | 39s | | | | 4 | | | | | 69s | | | | 34 | | | | 99s | | | | | 64 | | | |
| Gem | SV | ES | 1 | | 74 | | | 74 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Gem | SZ | 90 | 3 | 52 | 52 | 52 | 52 | 53 | 53 | 53 | 54 | 54 | 54 | 54 | 54 | 55 | 55 | 55 | 55 | 55 | 56 | 56 | 56 | 56 | 56 | 56 | 56 | 56 | 56 | 56 | 56 | 56 | 56 | 56 | 56 | 59 |
| Gem | WW | ES | | 43 | 66 | | 52s | 76s | 38 | 61 | | 47s | 71s | 33 | 57 | | 42s | 66s | 28 | 52 | | 37s | 61s | | 47 | 71 | 32s | 56s | | 42 | 66 | 28s | 51s | | | |
| Gem | YY | S1 | | 70 | 51 | 32+ | 55s | 36+ | 58 | 40 | 62s | 43s | 65 | 47 | 69s | 50s | 32+ | 54 | 35+ | 57s | 39s | 61 | 42 | 65s | 46s | 27+ | 50 | 31+ | 53s | 35+ | 57 | 38 | 60s | 42s | | |
| Gem | V339 | EU | 2 | | | | | | | | 76 | | | 64 | | 52 | | | | 40 | | 28 | | | | | | | | | | | | | | |
| Her | TW | RR | | 25 | | 25 | | 24 | | 24 | | 24 | | 24 | | 24 | | 23 | | 23 | | 23 | | | | | | | | | | | | | | |
| Her | TX | S1 | | | | | | | | | | | 67 | 70s | 73 | 76s | 79 | | | | | | | | | | | | | | | | 21 | | | |
| Her | UX | ED | | | | | | | | | | | | | | | | | | | | | | 76s | | | | | | 73 | | | | | | |
| Her | VX | RR | | | | | | | | | 73 | | | | | 74 | | | | | | 75 | | | | 76 | | | | | 77 | | 68 | | | |
| Her | VZ | 90 | | 72 | | | | 24 | | | 77 | 21 | | | 73 | | | 69 | | | | 78 | | 22+ | | 74 | | | | 70 | | 78 | | | | |
| Her | AK | S1 | | | | 19 | | | 77s | | | | 78 | | | | 78s | | | 73s | 79 | | | 74 | 79s | | | 74s | | | | 75 | | | | |
| Her | AR | 90 | | | 79 | 26+ | 20+ | 61 | | | | | 78 | 72 | 19+ | 60 | | | | | | 77 | 71 | 65 | 59 | | | | 76 | 70 | 64 | 58 | | | | |
| Her | AW | L1 | | | | | | | | | 57 | | | | | | | | | 37 | | | | | | | | | 17 | | | | | | | |
| Her | DI | L1 | | 25 | | | | | | | | 37s | | 80 | | | | | | | | | | | 35 | | | | | | | | 47s | | | |
| Her | GU | EU | | | | | | | | | 76 | | | | | | | | | | | | | 79 | | | | | | | | | | | | |
| Her | LV | | | | | | | 26 | | | | | | | | | | | | | | | | | | 69 | | | | | | | | | | |
| Her | MM | ES | | | | | | | | | | | | | | | | | | | | | | | | | | | 78s | | | | | | | |
| Hya | SZ | 90 | 2 | 55 | 62 | 69 | | | | | 53 | 60 | 68 | | | | | 51 | 59 | 66 | | | | | 50 | 57 | 65 | | | 48 | | 56 | | | | |
| Hya | WZ | 90 | 2 | | | | | 64 | 72 | | | | | | 63 | 71 | | | | | | 62 | 70 | | | | | 54 | 61 | 69 | | | | | | |
| Hya | AI | L1 | | 15 | | | 85s | | | | | 44 | | | | 14s | | | | | 73 | | | 43s | | | | 2 | | | 72s | | | | | |
| Hya | ET | 90 | 2 | 56 | | 61 | | 67 | | 73 | | | | | 53 | | 58 | | 64 | | 70 | | | | | 49 | | 55 | | 61 | | 66 | | | | |
| Lac | RW | L1 | | | 58 | | | | | 69s | | | | | 94 | | | | | | | 6s | | | | 31 | | | | | | 43s | | | | |
| Lac | SW | S1 | | 19+ | 31+ | 27+ | 23+ | 20+ | 32+ | 28+ | 24+ | 20+ | 33+ | 29+ | 25+ | 21+ | 34s | 30+ | 26+ | 22+ | 19+ | 31+ | 27+ | 23+ | 19+ | 32s | 28+ | 24+ | 20+ | 33 | 29 | 25+ | 21+ | 33s | | |
| Lac | UW | ES | | 61 | | | | 90 | | | | | | | 19 | | | | | | | | | | 77 | | | | | 6 | | | | | | |
| Lac | CO | EX | | | 59s | 38 | | 47 | 21s | | 55 | 30s | | | 38s | | | 47s | 26 | | 55s | 35 | | | | 43 | | 52 | 26s | | | 35s | | | | |
| Lac | CZ | 90 | | 37 | 23 | 53 | 39 | 26 | 55 | 42 | 28 | | 44 | 30 | | 46 | 33 | 19 | 49 | 35 | 22 | 51 | 38 | 24 | | 40 | 27 | 43 | 29 | | 45 | 32 | | | | |
| Lac | V345 | EX | | 44 | | | 9s | | | | 93 | | | | 58s | | | | 42 | | | 7s | | | | 91 | | | 56s | | | | | | | |
| Lac | V364 | EX | | 31s | | | | | | | | | | | 28 | | | | | | | | | | | 36s | | | | | | | | | | |
| Leo | RR | RR | | 73 | 63 | 54 | | 71 | 61 | 52 | | 78 | 68 | 59 | 49 | | 75 | 66 | 56 | 47 | | 73 | 64 | 54 | 44 | | 71 | 61 | 52 | 42 | 78 | 68 | 59 | | | |
| Leo | SS | RR | 3 | | 66 | | 79 | | 67 | | | | | 68 | | 56 | | | 70 | | 57 | | | | | 71 | | 72 | | 60 | | | | | | |
| JD | 580 | .. | | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | | | | | | | | | | | | | | | | | | | | | | |
| JD | 581 | .. | | | | | | | | | | | | | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | | |

| 2017 | Dez | P | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | | | |
|------|-------|----|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|
| Leo | ST | RR | 2 | 65 | 60 | 56 | | | | | 77 | 73 | 68 | 64 | 60 | 55 | | | | | | 77 | 72 | 68 | 63 | 59 | 55 | 50 | | | | | 76 | | | |
| Leo | WY | ES | | | | | 65 | | | | | | | | | | 63 | | | | | 61 | | | | 60 | | | | | 58 | | | | | |
| Leo | AG | ES | | | 79s | | 49 | | | | | 58s | | | | | 67 | | | | | 76s | | 45 | | | | 54s | | | | | | | | |
| Leo | AM | S1 | | 55+ | 64 | 56+ | 66s | 57+ | 67 | 58+ | 68s | 59+ | 69 | 61+ | 52+ | 62 | 53+ | 63s | 54+ | 64 | 56+ | 65s | 57+ | 67 | 58+ | 49+ | 59+ | 51+ | 60+ | 52+ | 62 | 53+ | 63s | 54+ | | |
| Leo | FM | EU | 3 | | 66s | | | | | | | | | | 76 | | | | | | | | | | | | | | | | | 58s | | | | |
| Lyn | TY | ES | | | 62 | | | | | | | | | 29 | | | | | | | | | | | | | 28 | | | | | 61 | | | | |
| Lyn | CD | ES | | 48 | | 76s | | | | | 31s | | 58 | | | | | | 40s | | | 68 | | | | 23 | 50s | | 78 | | | | | | | |
| Lyr | RR | RR | | | | 31 | | | 28 | | | | | 24 | | | 21+ | | | | | 35 | | | 75 | 31 | | | 72 | 28 | | | | | | |
| Lyr | RZ | 90 | | | | | 19 | 21 | 23 | 26 | 28+ | 30 | | | | | | | | | | | | | | | | | 19 | 22+ | 24+ | 77 | | 79 | | |
| Lyr | UZ | S1 | | | | | | | 78s | | | | | | | | 29 | | | | | 24s | 19 | | | | 75 | | | | | | | | | |
| Lyr | CN | 90 | | | | | 24 | | | | | | | 23 | | | | | | | | 76 | | | 23 | | | 75 | | | | 74 | | | | |
| Lyr | EZ | RR | | | | 23 | 28 | 33 | | | | | | | 21 | 26+ | | | | | | | | | 19 | 24+ | | | | | | | | | | |
| Lyr | IO | 90 | 3 | 28 | | | | | | | 21+ | | | | 25 | | | | | | | | | | | 21+ | | | | | | | | 72 | | |
| Lyr | beta | S1 | | | | | | | 33s | | | | | 80 | | | | | | | | | | | 27s | | 74 | | | | | | | | | |
| Mon | UX | ES | 2 | 38s | | | 34 | | | 29s | | 24 | | | 19s | | | | | | | 14 | | | | 10s | 5 | | | | | 0s | | 95 | 91s | |
| Mon | VV | ES | 2 | | 29s | | | 31 | | | 34s | | 36 | | | 39s | | | 41 | | | | 44s | | | 46 | | 49s | | | 51 | | | | | |
| Mon | AQ | ES | 2 | | | 46 | | | | | 55 | | | | 64 | | | | | | | 46s | | | 55s | | | | | | | | | | 46 | |
| Mon | AR | L1 | 1 | 57s | 42/ | | | | | | | | 32\ | 17 | 2/ | | | | | | | | | 93\ | 78s | 62/ | | | | | | | | | | |
| Mon | AV | ES | 2 | | 20 | | | 67s | | | 15 | | | | 62s | | | | | | | 10 | | | 57s | | | 4 | | | | | 52s | 99 | | |
| Mon | EZ | EU | 3 | | 54 | 67s | | 55 | 68s | 43s | 56 | 44s | 57 | | 45s | 58 | | | 46s | 59 | | 47s | 60 | | 48s | 61 | 49s | 62 | 37 | 50s | 63 | 38 | 51s | | | |
| Mon | IL | ES | 2 | 71 | | | 74 | | | | 76 | | | | 79 | | | | | | 82 | | | | | 87 | | | | | 89 | | | | | |
| Mon | V448 | ES | | | 46s | 57s | 69s | | 49 | 61 | | | 40s | 52s | 64s | | | | 44 | 55 | 67 | | 35s | 47s | 59s | | 38 | 50 | 62 | | | 42s | | 54s | | |
| Mon | V530 | EU | 3 | 56 | 61 | 40+ | 45+ | 50s | 55s | 60s | 39+ | 44+ | 49 | 55 | 60 | 38+ | 44+ | 49s | 54s | 59s | 38+ | 43+ | 48 | 53 | 58 | 37+ | 42s | 47s | 52s | 57s | 36+ | 41 | 46 | 52 | | |
| Mon | V536 | | | | | | | | 49 | | | | | | 62 | | | | | | | | | | | | | | | 42s | | | | | | |
| Mon | V634 | EU | | 45 | | 56 | | | 68 | | | | | | | | | | | | | | | | 48 | 59 | | | | | | | | | | |
| Oph | U | ST | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Oph | ST | 90 | 2 | | | | | | | | | | | | | | | | | | | | | | | | | 79 | | | | | | | | |
| Ori | Z | ES | 2 | | | 9 | | | | | 29 | | | | | 50 | | | | | | | | | | 90 | | | | | | | 11 | | | |
| Ori | BM | ES | | | | 67 | | | | | | | | | | | | | | | | 61 | | | | 8 | | | | | | | 55 | | | |
| Ori | CP | ES | 2 | | | | 35 | | | | | | | | | | | | | | | | | | | | | 31 | | | | | 63 | | 95 | |
| Ori | DN | L1 | 2 | | | | | | | | | | 86 | | | | | | | | | | | | | | 83 | | | | | | | | | |
| Ori | FO | L1 | 2 | | | | | | | | | | | | | | 78 | | | | | | | | | | | | | | | | | | | |
| Ori | FT | EX | | | | | | | | 31 | | 42s | 46 | | 57s | 61 | | | | | | 72s | | | | | | | | | | | 32s | 36 | | |
| Ori | GG | EX | | 40 | | | | | | | | | | | | | | | | | | | | | | 50s | | | | | | | | | | |
| Ori | V536 | ES | 2 | | 59 | | | | | | | | | | | | | | | | | | | | | 41 | 57 | | | | | | | | | |
| Ori | V1031 | ES | 2 | | 52s | | | | | | | | | | | 44 | | | | | | | | | | 54s | | | | | | 36s | | | 46 | |
| Peg | U | S1 | | 35s | 29+ | 23+ | 35s | 29+ | 22+ | 35s | 29 | 22+ | 35s | 28 | 22+ | 34s | 28 | 22+ | 34s | 28 | 22+ | 34s | 28 | 21+ | 34s | 28 | 21+ | 34s | 27 | 21+ | 34s | 27 | 21+ | 33s | | |
| Peg | VV | RR | | 32 | 30 | 28 | 25 | 23 | 21 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Peg | VW | | | 40s | | | | | | | | | | | | | | | | | | 75 | | | | | | | | | | | | | | |
| JD | 580 | .. | | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | | | | | | | | | | | | | | | | | | | | | | |
| JD | 581 | .. | | | | | | | | | | | | | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | | |

| 2017 | Dez | P | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | |
|------|-------|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Peg | AV | RR | | 30 | | 26 | | 21 | 38 | | 33 | | 28 | | 24 | | 19 | 36 | | 31 | | 26 | 21 | | 34 | | 29 | | 24 | | 19 | | | |
| Peg | AW | L1 | | | | 54 | | | | | 85s | | | | | | 16 | | | | | 47s | | | 78 | | | | | | 9s | | | |
| Peg | BH | 90 | 19 | | | 39 | | 32 | | 24 | | | | | 37 | | 29 | | 21 | | | | 34 | | 27 | | 19 | | | | 32 | | | |
| Peg | BK | ES | | 40 | | | | | | | | | | | 38 | | | | | | | | | | 36 | | | | | | | | | |
| Peg | CG | 90 | | | | | 37 | 30 | 23 | | | | 37 | 31 | 24 | | | | | | | 31 | 25 | | | | | 32 | 25 | 19 | | | | |
| Peg | DF | L1 | | | | | | | | 66 | | | | | | | | | | | | | | 36 | | | | | | | | | | |
| Peg | DH | RR | 3 | 21 | 23 | 25 | 27 | 29 | 32 | 34 | 36 | | 19 | 22 | 24 | 26 | | 28 | 30 | 33 | | | | | 20 | 22 | 25 | 27 | 29 | | | | | |
| Peg | GH | ES | | | 38 | | | 22s | | | | | 33s | | | | | | | | | 28 | | | | | | | | 22s | | | | |
| Peg | IP | K1 | | 33 | 28+ | 23+ | 33 | 28+ | 23+ | 34 | 29+ | 24+ | 19+ | 29 | 24+ | 19+ | 30 | 25+ | 20+ | 31 | 26+ | 21+ | 31 | 26 | 21+ | 32 | 27 | 22+ | 32 | 27 | 22+ | 33 | 28 | 23+ |
| Per | RW | L1 | 2 | | | | | | | | 54 | | | | | | | | | | | | 74 | | | | | | | | | | | |
| Per | RY | ES | | | 60s | | | | | | 46s | | | | | | | 33s | | | | | | 19s | | | 62 | | | | | | | |
| Per | AG | EX | | | | | | | | | | | | | | | | | | | | | 19 | | 22 | 19s | 25 | 22s | 27 | 24s | 30 | 27s | | |
| Per | AR | 90 | | 29+ | 56 | 41 | 27+ | 54 | 39 | 24+ | 52 | 37 | 22+ | 50 | 35 | 20+ | 48 | 33 | 61 | 46 | 31+ | 59 | 44 | 29+ | 56 | 42 | 27+ | 54 | 39 | 25+ | 52 | 37 | 22+ | 50 |
| Per | AY | L1 | | 35 | | | | | | | | | | | 13 | | | | | | | | | | | 91 | | | | | | | | |
| Per | IQ | | | 74s | 70 | 49s | 44 | 23s | 19 | | 72s | 68 | 46s | 42 | 20s | | 69s | | 65 | 43s | 39 | | | 66s | 62 | 41s | 37 | | | 64s | 60 | 38s | | |
| Per | KN | EU | | 46s | 33s | 19+ | 49 | 36 | 22+ | 52s | 39s | 26+ | 56 | 42 | 29 | 59s | 46s | 32s | 19+ | 49 | 36 | 22+ | 52s | 39s | 25s | 55 | 42 | 29 | 59s | 45s | 32s | 19+ | 49 | 35 |
| Per | LX | L1 | | | | 68 | | | | | 70s | | | 72 | | | | | 74s | | | | 76 | | | 78s | | | | 80 | | | | |
| Per | beta | S1 | | | 49 | | | 35 | | | 22 | 65s | | | 52s | | | 39s | | | 26s | | | 56 | | 42 | | 29 | | | | | | |
| Psc | RU | 90 | | 40 | | 35 | 52 | 30 | 48 | 26 | 43 | 21 | 38 | 33 | 50 | 28 | 46 | 24 | 41 | 19 | 36 | | 31 | 48 | 26 | 43 | 21 | 39 | | 34 | | 29 | 46 | |
| Psc | RY | 90 | 2 | | | 24 | 30 | 36 | 42 | | | | 19 | 25 | 31 | 36 | | 19 | 25 | 31 | 36 | | 19 | 25 | 31 | 37 | | | | 20 | 26 | | | |
| Psc | SS | 90 | | 22+ | 37 | 23+ | 38 | 25+ | 40 | 26 | 41 | 28 | 43 | 29 | 44 | 31 | 46 | 32 | 47 | 33 | 20+ | 35 | 21+ | 36 | 23 | 38 | 24 | 39 | 26 | 41 | 27 | 42 | 29 | 44 |
| Sge | SY | ES | | | 31 | | | | | | | | | | | | | | | | | 23s | | | | | | | | | | | | |
| Ser | VY | RR | | | 76 | | | | | | 75 | | | | | 75 | | | | | 75 | | | | 75 | | | | | 75 | | | | |
| Ser | AN | 90 | | | | | | | | | 76 | | | | | | | | | | | 72 | 76 | | | | | | | | | 68 | 73 | |
| Ser | BH | 90 | | 74 | | | 78 | | | | | 69 | | 74 | | | 78 | 65 | | | | 69 | | 73 | | | 77 | 64 | | 68 | | | | |
| Ser | EG | L1 | | 98 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ser | LX | K1 | | | 75 | 70 | | 76 | 71 | | 77 | 72 | | 78 | 73 | 68 | 79 | 74 | 69 | | 75 | 70 | 65 | 76 | 71 | 66 | 77 | 72 | 67 | 78 | 73 | 68 | 64+ | 74 |
| Sex | T | 90 | | 70 | 68 | 65 | 62 | 60 | 57 | 55 | 52 | | 79 | 77 | 74 | 72 | 69 | 66 | 64 | 61 | 59 | 56 | 53 | 51 | 48 | 78 | 76 | 73 | 70 | 68 | 65 | 63 | 60 | 57 |
| Tau | RW | S1 | 3 | | | | | | | | 61 | | | 37 | | | | | | | | | | 45 | | | 22 | | | | | | | |
| Tau | CD | S1 | 3 | | | | 62s | | 34 | | | | | 49s | | | | | 64 | | 36s | | | | 52 | | 23s | | | | 39 | | | |
| Tau | EN | ES | 2 | 32s | 56 | | | | 28s | 52 | | | | | 48 | 71s | | | | | 43 | 67s | | | 39 | 63s | | | 34 | 58s | | | | |
| Tau | V1094 | L1 | | | | | 88s | | | | 0 | | | | | | | | | | 99 | | | | 86s | | 98 | | | | | | | |
| Tri | X | S1 | | | | | | | | | | | | | 57 | 54 | | 51 | 48 | 45 | 42 | 40 | 37 | 34 | 31 | 28 | 25 | 22 | 20 | | | | | |
| Tri | RU | ES | 2 | 46s | | | | 37 | | | | | 27s | | 54s | | | | | | | | | | | 35s | | | | 25 | | | | |
| Tri | UX | 90 | | 31 | 24 | | 58 | 51 | 44 | 38 | 31 | 25 | | 58 | 51 | 45 | 38 | 32 | 25 | | | 52 | 45 | 39 | 32 | 25 | 19 | 52 | 46 | 39 | 32 | 26 | 19 | |
| UMa | W | S1 | | 38+ | 38+ | 38+ | 38+ | 38+ | 38+ | 38+ | 38+ | 38+ | 39+ | 39+ | 39+ | 39+ | 39+ | 39+ | 39+ | 39+ | 39+ | 39+ | 23+ | 23+ | 23+ | 23+ | 23+ | 23+ | 23+ | 23+ | 24+ | 24+ | 24+ | 24+ |
| UMa | RV | RR | | 61 | 55 | 48 | | 76 | 70 | 63 | 57 | 50 | 44 | | 78 | 72 | 65 | 59 | 53 | 46 | | | | 74 | 67 | 61 | 55 | 48 | 42 | | 76 | 70 | 63 | 57 |
| UMa | RW | ES | | | 77 | | | 43s | | | | | | | | 76s | | | | | 42 | | | | | 75 | | | | 41s | | | | |
| UMa | TU | RR | | 54 | 65 | 77 | | 56 | 67 | 79 | | | 58 | 69 | | | 48 | 60 | 71 | | | 50 | 61 | 73 | | | 52 | 63 | 75 | | 42 | 54 | 65 | |
| JD | 580 | .. | | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | | | | | | | | | | | | | | | | | | | | |
| JD | 581 | .. | | | | | | | | | | | | | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 |

| 2017 | Dez | P | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | | |
|------|-----|----|---|-----|-----|-----|-----|-----|-----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|-----|-----|-----|-----|--|
| UMa | TX | S1 | 3 | 64 | | | 71 | | | 77 | | | | | | | | | | | | | | | | | | | | | | | | | |
| UMi | W | S1 | 3 | 33 | | | 74 | | 44 | | | | 54 | | 24 | | | | 64 | | 34 | | | 75 | | 45 | | | | | 55 | | 25 | | |
| Vir | ST | 90 | 2 | | | | | | 75 | | | | | | 74 | | | 79 | | | | | 72 | | 78 | | | | 71 | | 76 | | | | |
| Vir | AG | ED | | 73s | 70 | 66s | 62 | 59s | | | | 76 | 73s | 69 | 66s | 62 | 58s | 55 | | | 76 | 73s | 69 | 65s | 62 | 58s | 55 | 51s | 79s | 76 | 72s | 69 | 65s | 61 | |
| Vir | AH | S1 | | 63 | 65s | 67 | 68s | 70 | 72s | 74 | 76s | 57+ | 59 | 61s | 63 | 65s | 67 | 69s | 71 | 73s | 54+ | 56+ | 58+ | 60 | 62s | 63 | 65s | 67 | 69s | 71 | 52+ | 54+ | 56+ | 58+ | |
| Vir | AT | 90 | 2 | | | | 70 | 75 | | | | | | | 69 | 74 | | 79 | | | | | | | 62 | 68 | 73 | 78 | | | | | | | |
| Vir | AV | 90 | | 77 | | | 74 | | 71 | | 68 | | 65 | | 62 | | | | | | | | | | 79 | | 76 | | 73 | | 70 | | | 67 | |
| Vir | CG | ES | | | | 75s | | | | | | 76 | | | | | | | 77s | 71s | | | | | 79 | 72 | 66 | | | | | | | | |
| Vul | Z | S1 | | | | | | | | | | | | | | | | 23 | | | | | | | | | | | | | | | | | |
| Vul | BN | 90 | | 19 | | | | | | | | | 29 | | 26 | | | | 23 | | | | 20 | | | | | | | | | | | | |
| Vul | DR | EX | | 25 | | | | | | | 34s | 26 | | | | | | | | | 26 | | | | | | | | 26 | | | | | | |
| Vul | EV | ES | | | | | | | | | | | | | | | | | | | | | | | | | | | | 26 | | | | | |
| JD | 580 | .. | | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | | | | | | | | | | | | | | | | | | | | | |
| JD | 581 | .. | | | | | | | | | | | | | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | |

Auf der nächsten Seite beginnen die Ephemeriden für Mirasterne

BAV-Programm Mirasterne (M)

| Stern | | 2017 | | | | | | | | | | | | 2018 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| | | Jan | | | Feb | | | Mrz | | | Apl | | | Mai | | | Jun | | | Jul | | | Aug | | | Spt | | | Okt | | | Nov | | | Dez | | | Jan | | | Feb | | |
| | | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 2 | 3 | | | |
| CD S T U W | Gem | | | M | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Her | m | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Her | | | | | | M | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Her | | | | m | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| RS RU SS S R | Her | | m | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Her | | | | | m | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Her | | m | | | | M | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Lac Leo | M | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| S R R W X | Leo | | | | | | M | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | LMi | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Lyn | | | | | | | | m | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Lyr | | | m | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Z U Y R R | Oph | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Ori | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Ori | | | | | | M | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Peg Per | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| U Y TW R R | Per | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| | Tau | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Tau | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Tau | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| R R S T RS | Tri | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | UMa | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | UMa | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| S U R V R | UMi | m | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | UMi | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Vir | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Vir | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Vul | M | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| | | Jan | | | Feb | | | Mrz | | | Apl | | | Mai | | | Jun | | | Jul | | | Aug | | | Spt | | | Okt | | | Nov | | | Dez | | | Jan | | | Feb | | |

BAV-Materialien für Beobachter veränderlicher Sterne

BAV Einführung in die Beobachtung Veränderlicher Sterne

Die vierte, ergänzte und erweiterte Auflage des bewährten Buches liegt seit Oktober 2009 vor. W. Braune, B. Hassforther und W. Quester beschreiben die Beobachtungsvorbereitung, die Beobachtung und die Auswertung der Ergebnisse. CCD-Technik und visuelle Beobachtung sind ausführlich erläutert. Prof. Dr. E. Geyer gibt eine Übersicht der astrophysikalischen Die 4. Auflage enthält wesentliche Erweiterungen weiterer Autoren zum Thema Auswertung. 318 Seiten, 118 Abbildungen, 10 Tabellen, Format 16 x 22,5 cm, glanzfolienkasch **22,00 €**

BAV-Umgebungskarten

Gedruckt auf Karton DIN A5

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| Bedeckungsveränderliche | - Standardprogramm 2010 | 32 Karten | 4,00 € |
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Auf CD-ROM im Format JPEG

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| Sämtlichen links aufgeführten BAV-Umgebungskarten, zusätzlich | | | |
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| Bedeckungsveränderliche | - Langperiodisch 2010 | 62 Karten | |
| RR-Lyrae-Sterne | - Programm 90 | 57 Karten | |
| | | CD-ROM | 10,00 € |

Hinweis: Für Mirasterne, Halb- und Unregelmäßige, Eruptive und Kataklysmische werden von der BAV die bewährten AAVSO-Karten verwendet. Sie sind unter folgendem Link zu finden: www.aavso.org/observing/charts/vsp/. Bei Fragen hilft Kerstin Rätz (s.Vereinsseite) gern weiter.

BAV Blätter Hilfsmittel zur Vorbereitung und Auswertung von Beobachtungen

| | | | |
|---|----------------------------------|-------|---------------|
| 1 Kleines Programm - Elf Umgebungskarten für Einsteiger | DIN A5 2. Aufl., 2009 | 16 S. | 2,00 € |
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BAV-Materialien auf der BAV-Website! BAV-Umgebungskarten und BAV Blätter können dort unentgeltlich herunter geladen werden. 0,00 €

Bestellungen bitte an: BAV, Munsterdamm 90, 12169 Berlin oder zentrale@bav-astro.de
Porto wird zusätzlich in Rechnung gestellt, wir bitten dafür um Verständnis

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| BAV Mitteilungen | Die Beobachtungsergebnisse der BAV seit 1950, mehr als 210 Publikationen. | Unsere Mitglieder erhalten die BAV Mitteilungen, den |
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Bundesdeutsche Arbeitsgemeinschaft für Veränderliche Sterne.V. (BAV)