

KG
11366
v. 754

List of Polar Stars with
dates of Observation
1855

Working List of Polar Stars, with
the dates ^{and numbers} of observations.

Fundamental stars in purple ink.

Nonfundamental stars

Above Pole in black ink
Below Pole in red ink

Fundamental Stars which are in the Ephemeris of the B. P. are underscored

Stars not in the Ephemeris are marked []

Name approximate place for 1885. *S*
46 Draconis $0^h 6^m 48^s + 101^{\circ} 44'$

[Br. 6] $0^h 9^m 43^s + 76^{\circ} 19'$

Br. 1656 $0^h 13^m 26^s + 92^{\circ} 56'$

Br. 1672 $0^h 14^m 21^s + 91^{\circ} 39'$

Br. +79° 10' $0^h 19^m 15^s + 79^{\circ} 21'$

Br. +81° 40' $0^h 30^m 37^s + 99^{\circ} 9'$

Br. 48 $0^h 31^m 8^s + 81^{\circ} 52'$

Br. +82° 40' $0^h 32^m 46^s + 102^{\circ} 9'$

Br. +86° 18' $0^h 34^m 34^s + 93^{\circ} 39'$

Br. 1923 $0^h 37^m 34^s + 95^{\circ} 44'$

Br. 1927 $0^h 41^m 29^s + 98^{\circ} 45'$

Br. 274 $0^h 44^m 10^s + 83^{\circ} 5'$

32 B. Camelopardis $0^h 44^m 15^s + 96^{\circ} 57'$

32 B. Camelopardis $0^h 44^m 17^s + 96^{\circ} 57'$

Br. +88° 21' $0^h 48^m 18^s + 90^{\circ} 38'$

$M + 79^{\circ} 24$ $h \approx s$
0 49 58 + 79 54

$M + 83^{\circ} 20$ 0 50 58 + 83 59

$M + 79^{\circ} 407$ 0 51 1 + 79 6

$M. 265$ 0 57 46 + 88 25-

$h 267$
43 76 Epsilon 0 53 12 + 85 38

$M + 89^{\circ} 22$ 0 56 39 + 90 59

$M + 81^{\circ} 412$ 0 58 20 + 98 30

$M + 86^{\circ} 187$ 0 58 55 + 93 31

$M + 79^{\circ} 29$ 0 58 56 + 79 23

$h 261$ 1 2 13 + 79 4

[$h 266$ Epsilon] 1 2 22 + 79 3

$h 2006$ 1 6 47 + 91 43

$M + 80^{\circ} 36$ 1 8 2 + 80 16

$M + 89^{\circ} 416$ 1 11 23 + 98 57

Polaris 1 16 36 + 88 42

$h 2007$ 1 19 18 + 94 39

$DM + 78^{\circ}$ 922	$1^h 25^m 30^s + 100^{\circ} 46'$
$DM + 88^{\circ}$ 47	$1^h 28^m 57^s + 91^{\circ} 52'$
$DM + 81^{\circ}$ 61	$1^h 41^m 20^s + 81^{\circ} 24'$
$DM + 80^{\circ}$ 58	$1^h 41^m 56^s + 80^{\circ} 19'$
$h 4563$	$1^h 45^m 40^s + 96^{\circ} 40'$
$DM + 78^{\circ}$ 931	$1^h 50^m 9^s + 100^{\circ} 26'$
$DM + 81^{\circ}$ 735	$1^h 52^m 34^s + 98^{\circ} 56'$
~~DM~~ 7071	$1^h 52^m 42^s + 98^{\circ} 40'$
$h 426$	$1^h 54^m 49^s + 80^{\circ} 55'$
$h 424$	$1^h 56^m 3^s + 80^{\circ} 56'$
$DM + 88^{\circ}$	$1^h 56^m 24^s + 92^{\circ} 8'$
$DM + 79^{\circ}$ 63	$1^h 59^m 0^s + 79^{\circ} 9'$
$DM + 82^{\circ}$ 51	$1^h 59^m 5^s + 83^{\circ} 1'$
$DM + 88^{\circ}$ 8	$2^h 0^m 0^s + 88^{\circ} 31'$
<u>L_1 near Min</u>	$2^h 9^m 19^s + 107^{\circ} 55'$

$\mu + 88^{\circ} 3$ ^{h m s} 2 13 22 + ^{0 1} 89 35

$\mu + 88^{\circ} 88$ 2 30 24 + 91 26

$\mu + 88^{\circ} 13$ 2 30 46 + 88 31

$\mu + 88^{\circ} 527$ 2 31 17 + 80 58

$\mu + 81^{\circ} 482$ 2 33 32 + 81 29

$\mu + 80^{\circ} 448$ 2 34 6 + 99 50

$\mu + 79^{\circ} 86$ 2 38 34 + 79 39

$\mu + 80^{\circ} 451$ 2 42 46 + 99 44

47 No Cephei 2 50 51 + 78 58

$\mu + 86^{\circ} 217$ 2 52 00 + 93 35

$\mu + 80^{\circ} 580$ 2 53 38 + 81 3

$\mu + 81^{\circ} 495$ 2 55 42 + 88 47

$\mu + 81^{\circ} 2196$ 2 58 9 + 97 1

$\mu + 81^{\circ} 595$ 3 4 21 + 84 31

48 No Cephei 3 5 46 + 77 19

$\mu + 81^{\circ} 2283$ 3 14 40 + 92 20

$\mu + 81^{\circ} 642$ 3 28 58 + 86 17

h - s o i
 2275 3 3554 + 9911

2276 3 367 + 9911

Rad. 3445-3 3656 + 9851

18 Mrsaemi 3 4559 + 9940

3 Mrsaemi 3 4811 + 10151

2746 3 4938 + 8024

Mu + 60 127 3 5737 + 8015

2750 4 048 + 8510

2766 4 136 + 8322

2774 4 457 + 834

2779 4 75 + 8033

Mu + 79 150 4 2520 + 7926

[22673] 4 3536 + 10219

Sck 986 4 3845 + 9959

50 % b e p h e i 4 3857 + 811

$Mu + 79^{\circ} 511$ $h \approx 5$
 $+44410 + 10052$

$Mu + 89^{\circ} 28$ $+44638 + 9046$

Rod. 1311 $45048 + 8549$

$Mu + 79^{\circ} 518$ $45540 + 7940$

2 Ursae Min $45747 + 9747$

$Mu + 82^{\circ} 488$ $45748 + 8213$

Rod. 1377 $54521 + 8534$

$\zeta 2456$ $52821 + 9947$

Sch. 1059 $55117 + 9842$

2 Draconis $55436 + 1031$

$\zeta 1004$ $6123 + 8646$

γ Draconis $6839 + 1002$

δ Draconis $6845 + 1002$

3 Ursae Min $6925 + 9323$

$Mu + 88104$ $61057 + 9145$

$Mu + 79^{\circ} 132$ $61143 + 795$

24 Mræthun $\begin{matrix} h & m & s \\ 6 & 13 & 20 \end{matrix} + 79 \begin{matrix} 4 \\ 1 \end{matrix}$

Dm+79° 208 $6 \ 17 \ 59 + 79 \ 42$

Sch. 369 $6 \ 20 \ 10 + 82 \ 13$

23 κ Camelopard $6 \ 26 \ 35 + 79 \ 41$

Dm+79° 577 $6 \ 32 \ 12 + 100 \ 54$

ζ 265 $6 \ 35 \ 18 + 102 \ 33$

Bn 2412 $6 \ 39 \ 19 + 96 \ 56$

[24 κ Camelopard] $6 \ 43 \ 17 + 77 \ 17$

51 κ Cephæi $6 \ 46 \ 17 + 87 \ 13$

Rod. 4208 $6 \ 52 \ 46 + 93 \ 27$

Dm+79° 604 $6 \ 54 \ 22 + 100 \ 14$

ζ 1255 $7 \ 33 \ 1 + 81 \ 28$

Rod. 4253 $7 \ 6 \ 11 + 96 \ 16$

25 κ Camelopard $7 \ 6 \ 58 + 82 \ 38$

Dm+80° $7 \ 7 \ 52 + 99 \ 46$

Dm+82° 572 $7 \ 8 \ 49 + 97 \ 53$

ζ 1278 $7 \ 13 \ 39 + 81 \ 8$

[ln.290v] $h = s$
 $228^{\circ} 38' + 100^{\circ} 38'$

Sch. 1172 $7 29 48 + 96 47$

DM+88° 12 $7 34 48 + 91 4$

28 % Camelopard. $7 37 13 + 80 34$

2 Muscivora $7 38 59 + 91 3$

G 1119 $7 41 5 + 88 59$

G 1350 $7 40 50 + 80 10$

G 1368 $7 46 39 + 79 47$

G 1359 $7 49 16 + 84 23$

DM+78° 648 $7 52 20 + 100 51$

G 1391 $8 2 16 + 82 47$

DM+75° 660 $8 8 5 + 100 40$

x bryphen $8 12 45 + 102 38$

G 3212 $8 16 2 + 95 41$

Sch 1213 $8 20 58 + 89 50$

G 1431 $8 25 29 + 82 38$

L 3260	^{h ~ s.} 8 26 20 + 95 49
75 Draconis	8 35 24 + 98 58
Sch. 1235	8 35 41 + 97 13
74 Draconis	8 36 3 + 99 19
Rod. 4796	8 40 28 + 96 46
Sch. 529	8 38 56 + 83 8
Sch. 533	8 41 38 + 83 10
M + 79 ⁰ 244	8 49 02 + 79 47
76 Draconis	8 50 51 + 97 54
Rod. 2218	8 51 11 + 14 38
[Br. 2749]	8 52 46 + 99 53
Sg 1480	8 54 0 + 81 17
[Br. 2777]	9 7 47 + 102 20
Sch 1258	9 8 43 + 99 18
Sch 1260	9 11 41 + 99 27
Rod 5218	9 17 16 + 99 41

Rod. 5228 9 18 4 + 99 15

1 K Praecir 9 20 36 + 81 50

23548 9 22 23 + 93 26

23511 9 28 11 + 99 59

M + 79° 319 9 32 48 + 79 40

Rod. 2404 9 50 1 + 84 28

M. + 79° 821 9 55 50 + 100 16

Rod. 2407 9 58 25 + 87 51 Apr 30

M + 79° 228 10 3 17 + 79 40

M + 88° 130 10 4 16 + 91 44

M + 83° 287 10 9 46 + 86 23 Apr 30 May 2

29 K Camelop 10 12 47 + 84 50 May 3

M + 88° 60 10 15 40 + 88 27 Apr 30 May 2

[30 K Camelop] 10 16 58 + 83 9

M + 83° 630 10 21 30 + 96 06

32 K Camelop 10 27 18 + 94 29

$DM + 80^{\circ} 384$	$10^{\text{h}} 22^{\text{m}} 37^{\text{s}} + 99^{\circ} 22'$	1885
$DM + 81^{\circ} 775$	$10 23 46 + 98 50$	May 2-3
$DM + 88^{\circ} 131$	$10 24 0 + 91 10$	
$DM + 81^{\circ} 343$	$10 24 13 + 81 5$	Apr 27-30
$DM + 81^{\circ} 349$	$10 31 40 + 81 3$	Apr 27-30-May 2
$DM + 80^{\circ} 731$	$10 39 0 + 99 16$	May 2-3
$DM + 79^{\circ} 750$	$10 40 30 + 100 11$	Apr 27-30
$DM + 82^{\circ} 703$	$10 47 42 + 97 28$	May 2-3
[B2.1508]	$10 50 43 + 78 23$	Apr 27-30
$DM + 84^{\circ} 517$	$10 53 50 + 95 14$	May 10-11
36 λ Cephei	$10 55 17 + 96 16$	May 2-3
Rod. 2594	$11 0 46 + 88 16$	Apr 27-30-May 9-10
$DM + 82^{\circ} 325$	$11 1 1 + 82 22$	May 2-3
λ 1782	$11 23 41 + 81 45$	Apr 27-30 May 9-10
$DM + 86^{\circ} 170$	$11 26 54 + 86 15$	May 2-3
$DM + 89^{\circ} 18$	$11 30 47 + 89 37$	Apr 27-30

39 W. Cephei ^{2m 5} 11 27 50 + 93 ¹ 20 May 9-10

7 Cephei 11 34 38 + 103 1 Mar 30 May 2-3-9-10-16

DM + 82° 743 11 50 49 + 97 27 Mar 27-30

DM + 82° 748 11 54 18 + 97 40 May 9-10

DM + 81° 389 11 54 18 + 81 29 May 2-3-10

G 1850 11 58 57 + 86 13 May 2-3

[G 1852] 11 59 23 + 77 33 Apr 27-30 May 9-10-11-16

4 W. Draconis 12 6 48 + 78 15 Mar 27-30 May 2-3-9-10-11-16

[826] 12 9 43 + 103 41 Mar 27-30 May 2-3-11-16

Br. 1656 12 13 26 + 87 4 May 9-10

Br. 1672 12 14 21 + 88 21 May 2-3-17

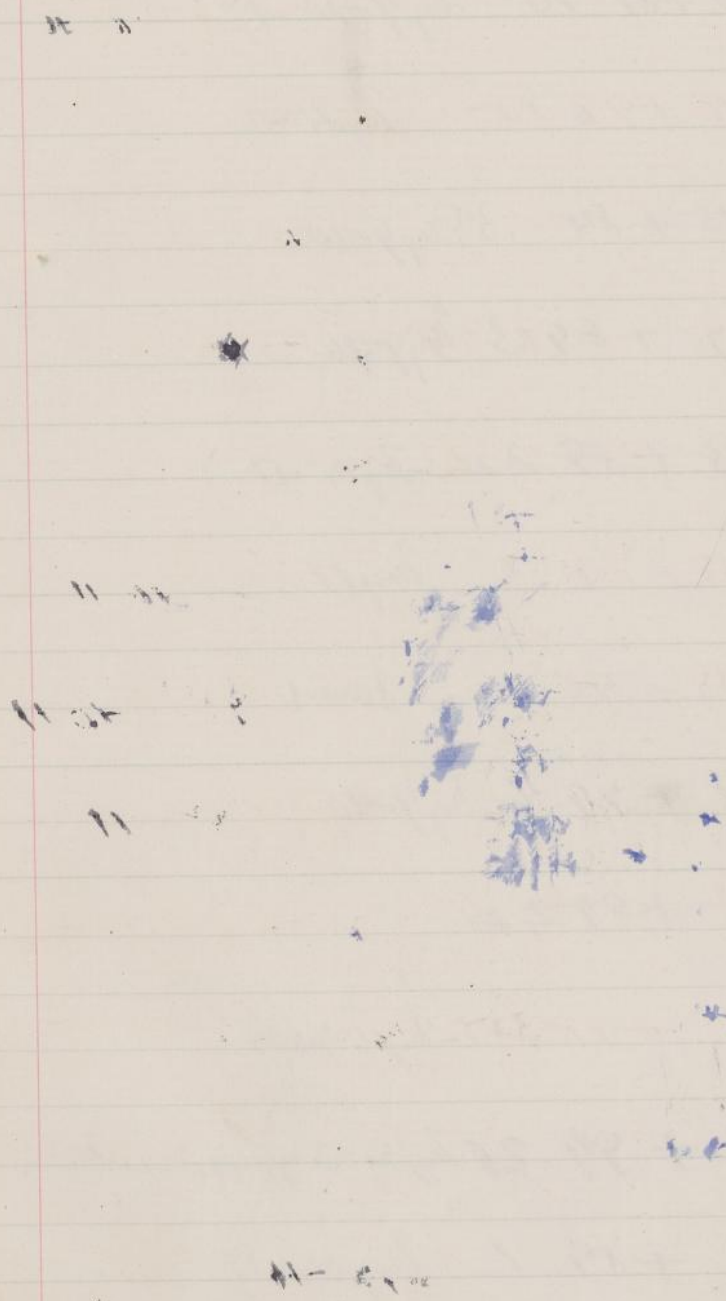
DM + 79° 10 12 18 15 + 100 39 May 2-3

Br. 48 12 31 8 + 98 8 May 10-11

DM + 81° 402 12 30 37 + 80 51 May 2-3

DM + 80° 402 12 32 46 + 79 57 May 16-17

DM + 86° 182 + 12 34 34 + 86 21 May 11 May 21



G 1923 $12^{\circ} 37' 34'' + 84^{\circ} 16' \frac{1885}{-}$ May 7-10-16

G 1927 $12^{\circ} 41' 29'' + 81^{\circ} 15'$ May 9-10-17

B 2274 $12^{\circ} 44' 10'' + 96^{\circ} 55'$ May 11-16

32 N. Cameroph. $12^{\circ} 48' 15'' + 84^{\circ}$ May 9-10

32 N. Cameropses. $12^{\circ} 48' 17'' + 84^{\circ} 3'$ May 9-10

DM + 89° 21 $12^{\circ} 48' 18'' + 89^{\circ} 22'$ May 16-17

DM + 79° 24 $12^{\circ} 49' 58'' + 100^{\circ}$ C May 11

DM + 83° 20 $12^{\circ} 50' 58'' + 96^{\circ} 1'$ June 1

DM + 75° 407 $12^{\circ} 51' 1'' + 79^{\circ} 6'$ May 9-10

43 N. Ceph. $(12^{\circ} 53' 12'' + 94^{\circ} 22')$

B 265 $12^{\circ} 51' 56'' + 91^{\circ} 35'$ May 16 May 26

~~G 177~~ 43 N. Ceph. $12^{\circ} 53' 11'' + 94^{\circ} 21'$ May 2-3 May 9-10-11 June 8

DM + 85° 22 $12^{\circ} 56' 39'' + 89^{\circ} 1'$ May 11-17

DM + 81° 412 $12^{\circ} 58' 20'' + 81^{\circ} 30'$ May 2 May 9

DM + 86° 117 $12^{\circ} 58' 55'' + 86^{\circ} 29'$ May 16 June 1

DM + 79° 29 $12^{\circ} 58' 56'' + 100^{\circ} 37'$ May 26 June 10

11-24

11-11

11-11

~~G 261~~ ^{h n s} 13 2 13 + 100 56 1185
 44 16 6 13 13 2 2 2 + 100 56 May 9-10
 G 2006 13 6 47 + 88 17 May 1-16

DM + 80° 36 13 8 2 + 99 44 May 9-10

DM + 81° 416 13 11 23 + 81 3 - May 16 May 28

Polaris 13 16 36 + 91 18 May 2-3-9-10-11-16-17-21-26-28
 June 3-9-10-11-13-14-16-20-22-23

G 2007 13 19 18 + 85 21 May 28 June 10

DM + 79° 422 13 25 30 + 79 14 May 28 June 3-10

DM + 88° 77 13 28 57 + 88 8 May 28 June 10

DM + 81° 61 13 41 20 + 98 36 June 1-13

DM + 80° 58 13 41 56 + 99 41 June 3-11

G 2063 13 45 40 + 83 20 June 1 June 3

DM + 75° 431 13 50 9 + 79 34 June 1-3-13

DM + 85° 235 13 52 34 + 85 4 June 21-23

G 2071 13 52 42 + 87 20 May 28

G 426 13 54 49 + 99 5 June 1

G 424 13 56 3 + 99 15 June 3

$DM + 88^{\circ} 82$ ^{h m s} 13 56 29 + 89 52

$DM + 79^{\circ} 63$ 13 59 0 + 100 57 Jan 1-3

$DM + 82^{\circ} 57$ 13 59 5 + 96 59 ✓ Jan 2-9

$DM + 88^{\circ} 8$ 14 0 0 + 91 25 May 28 Jan 14

4 Mrae Min 14 9 19 + 98 5 Jan 1-3-9-10-14-23

$DM + 89^{\circ} 3$ 14 13 22 + 80 25 ✓ Jan 9

$DM + 88^{\circ} 88$ 14 30 24 + 88 34 Jan 20

$DM + 88^{\circ} 13$ 14 30 46 + 91 29 Jan 22-23

$M. 344$ 14 31 17 + ~~101~~ 2 ✓ Jan 9
99

$DM + 81^{\circ} 482$ 14 33 32 + 81 29 Jan 9-23

$DM + 80^{\circ} 445$ 14 37 6 + 80 10 Jan 9-14-20

+ $DM + 79^{\circ} 86$ 14 38 34 + 100 21 Jan 9-22

$DM + 80^{\circ} 451$ 14 42 46 + 80 16 Jan 14-20-22

47 K 68 phi 14 50 57 + 101 2 Jan 14-20-22-24

$DM + 86^{\circ} 217$ 14 52 0 + 86 25 Jan 23 Aug 2

1580 14 53 38 + 98 57 Jan 14-20-22

- $M+81^{\circ} 495$ $h^{\circ} 2^{\circ} 5^{\circ} 0^{\circ}$ $14 55 42 + 81 13$ Jan 27-27-25
 $G 2196$ $14 58 9 + 82 59$ Jan 14-23
 $G 595$ $15 4 21 + 95 29$ Jan 14-22
48 166 Ephie $15 5 46 + 102 41$ Jan 13-27-24-25-26
 $L 2283$ $15-14 40 + 87 40$ Jan 14-22
 $L 642$ $15 28 58 + 93 43$ Jan 22-27-24
 $L 2275$ $15-35 54 + 80 49$ Jan 13-24
 $L 2276$ $15 36 7 + 80 49$ Jan 13-24
 $Rod 3445$ $15-36 56 + 87 9$ Jan 22-27
 $18 Ursae Min$ $15 45 59 + 80 20$ Jan 27-24
 $3 Ursae Min$ $15 48 11 + 78 9$ Jan 22-24 Aug 2-4-6-8
 $L 746$ $15 49 38 + 99 3$ Jan 22-27
 $M+80^{\circ} 127$ $15 57 37 + 99 45$ Jan 27-24
 $G 750$ $16 0 48 + 94 45$ Jan 27-24
 $L 766$ $16 1 39 + 96 28$ Aug 8-12
 $L 774$ $16 4 57 + 96 56$ Jan 27-24

- $\zeta 779$ $h-s$ $16\ 75\ 199\ 27$ $June\ 27\ July\ 6-8$
 $DM + 78^\circ 152$ $16\ 25\ 20 + 100\ 34$ $July\ 12-15$
 $\{\zeta\ 2873\}$ $16\ 35\ 36 + 77\ 40$ $July\ 12-15$
 $50\% \text{ Cepheid}$ $16\ 38\ 51 + 78\ 59$ $July\ 12-16$
 $\alpha\ Sch 86$ $16\ 38\ 45 + 80\ 1$ $July\ 20-23$
 $DM + 78^\circ 511$ $16\ 44\ 10 + 79\ 8$ $July\ 12-15$
 $DM + 89^\circ 28$ $16\ 46\ 38 + 89\ 14$ $July\ 15-16$
 $Rod. B11$ $16\ 50\ 48 + 94\ 11$ $July\ 12-15$
 $DM + 79^\circ 578$ $16\ 55\ 40 + 79\ 40$ $July\ 16-27$
 $\epsilon\ \text{Mizar Mini}$ $16\ 57\ 47 + 82\ 13$ $July\ 12-15-21-22-23$
 $DM + 82^\circ 488$ $16\ 57\ 48 + 82\ 13$
 $19\% \text{ ~~Mizar Mini~~ Camelopardalis}$ $17\ 3\ 39 + 102\ 54$ $July\ 15-28$
 ~~$Rod\ 1377$~~
 $Rod\ 1377$ $17\ 45\ 4 + 94\ 26$ $July\ 15-21$
 $\zeta\ 2456$ $17\ 28\ 21 + 76\ 73$ $July\ 21-27$
 $\alpha\ Sch 1059$ $17\ 51\ 17 + 80\ 18$ $July\ 21-23$
 $35\ \text{Praecipue}$ $17\ 54\ 26 + 76\ 59$ $July\ 16\ 21-23-27$

G1004^{h=5}
18 1 23 + 83 14 July 21-22

40 Procoris 18 8 39 + 79 58 July 16-27

41 Procoris 18 8 45 + 79 58 July 16-27

Mrae Min 18 9 25 + 86 37 July 16-21-22-30-11

DM+18 104 18 10 57 + 88 15 July 22-28

DM+75° 202 18 11 43 + 100 55 July 22-27

24 Mrae Min 18 13 20 + 86 59 July 21-23

DM+75° 208 18 17 59 + 100 18 July 23-23

DM+18 369 18 20 10 + 77 47 July 25-Aug 11

23 76 Camelois 18 26 35 + 100 18 July 23-27-28

DM+75° 577 18 22 12 + 79 6 July 27-Aug 11

[G 2655] 18 35 18 + 77 27 July 21-11

B2.2412 18 39 18 + 83 4 July 27-11

[24 76 Camelois] 18 43 17 + 102 53 July 23-11

51 76 Cephei 18 46 17 + 92 47 July 22-25-27-11

Rod. 4208 18 52 46 + 86 33 July 21-11

DM+75° 604 18 54 22 + 79 46 July 23-Aug 15

L_{1255} $h \sim 5$
 $19\ 3\ 31 + 98\ 82$ July 23-27
 Rod. 4253 $19\ 6\ 11 + 83\ 44$ July 23
 $26\ NoCamelops$ $19\ 6\ 18 + 97\ 22$ Aug 16
 $DM + 50^{\circ} 604$ $19\ 7\ 52 + 80\ 14$ Aug 8
 $DM + 82^{\circ} 572$ $19\ 8\ 44 + 82\ 7$ July 27
 L_{1248} $19\ 13\ 39 + 98\ 52$ July 27
 $[L_{2900}]$ $19\ 28\ 38 + 79\ 22$ Oct 1
 $Sch. 1172$ $19\ 29\ 48 + 83\ 13$ Oct 5
 $DM + 88^{\circ} 112$ $19\ 34\ 48 + 88\ 06$
 $28\ NoCamelops$ $19\ 37\ 13 + 99\ 26$ Oct 5
 $2\ Mrsue\ Min$ $19\ 38\ 56 + 88\ 57$ Oct 1-5
 L_{1119} $19\ 41\ 5 + 91\ 1$
 L_{1355} $19\ 40\ 50 + 99\ 50$
 L_{1368} $19\ 46\ 39 + 100\ 13$ Oct 1-18
 L_{1359} $19\ 49\ 16 + 95\ 37$ Oct 1-10
 $DM + 79^{\circ} 648$ $19\ 52\ 20 + 79\ 9$ Oct 18

G1391 $20 \overset{h}{2} \overset{\sim 8}{16} + 97 \overset{\sim 13}{13}$ Oct 5-10

DM + 75° 660 $20 \ 85 + 79 \ 20$ Oct 20

+ Cephei $20 \ 12 \ 45 + 77 \ 22$ Oct 18-20

G3212 $20 \ 16 \ 2 + 84 \ 19$ Oct 18

Sch 1213 $20 \ 20 \ 58 + 80 \ 10$ Oct 18

G1431 $20 \ 25 \ 29 + 97 \ 21$ Oct 18

G3266 $20 \ 26 \ 20 + 84 \ 11$

75 Deneb $20 \ 35 \ 24 + 81 \ 2$ Oct 20

74 Deneb $20 \ 36 \ 3 + 80 \ 41$

Sch. 1235 $20 \ 35 \ 41 + 82 \ 43$ Oct 18

Sch 529 $20 \ 38 \ 56 + 96 \ 52$ Oct 20

Rod. 4796 $20 \ 40 \ 28 + 83 \ 14$ Oct 20

Sch 533 $20 \ 41 \ 38 + 96 \ 50$

DM + 75° 294 $20 \ 49 \ 52 + 100 \ 13$ Oct 20

76 Deneb $20 \ 50 \ 57 + 82 \ 6$ Oct 18

Rod. 2218 $20 \ 51 \ 11 + 95 \ 22$

[B2 2749]

 $20^{\circ} 52' 46'' + 80^{\circ} 4'$

L 1412

[B2 2777]

Sch 1258

21 54 0 + 98 43

Oct-12

21 7 48 + 77 39

Oct-12-20

21 8 43 + 80 42

Oct-20

Sch. 1260

21 11 40 + 80 33

Oct-12

Rod. 5218

21 17 16 + 80 19

Oct-12

Rod. 5228

21 18 4 + 80 45

Oct-20

1 No Procorin

21 20 36 + 98 10

Oct-12

L 3548

21 22 23 + 86 34

Oct-20

L 3571

21 28 11 + 80 1

Oct-12

DM + 79°

21 32 48 + 100 20

Rod 2404

21 50 1 + 95 32

Oct-12-17

DM + 79° 21

21 55 50 + 79 44

Oct-12-17

Rod. 2407

21 58 25 + 92 9

+

DM + 79° 228

22 3 17 + 100 20

DM + 80° 130

22 4 16 + 88 16

DM + 83° 287

22 9 46 + 96 37

Oct-12

29 No Camelop ^{h ~ s} 22 12 47 + 95 10 Oct-12-17
 [30 No Camelop] 22 16 58 + 96 57 Oct-12-17
~~DM + 88° 60~~ 22 15 40 + 91 33

~~DM + 88° 130~~ 22 4 16 + 88 16 Oct-19
~~DM + 88° 60~~ 22 15 40 + 91 33
 DM + 83° 630 22 21 30 + 83 54 Oct-12

3 2 No Camelop 22 22 18 + 85 31 Oct-18

DM + 85° 384 22 22 57 + 85 38 Oct-18

DM + 88° 775 22 23 46 + 88 10 Oct-19

DM + 88° 131 22 24 0 + 88 50

DM + 81° 343 22 24 13 + 98 55

DM + 81° 349 22 31 40 + 98 57

DM + 80° 731 22 39 0 + 82 44 Oct-19

DM + 79° 750 22 40 30 + 79 99 not seen

DM + 82° 706 22 47 42 + 82 32 Oct-19

[Br 1508] 22 50 43 + 101 37

DM + 84° 517 22 53 50 + 84 46 Oct-19

36 No Cerphini 22 55 17 + 83 99 Oct-19

Rod.2594 23 046 +91 44

M+88° 325 23 1 1 +99 38

L1782 23 23 41 +98 10

M+86° 170 23 2659 +93 45

35% Berphui 23 2750 +86 40 00-19

M+89° 18 23 30 47 +91 23

γ Berphui 23 34 38 +96 59 00-19

M+82° 743 23 50 49 +82 33

M+81° 389 23 54 18 +98 31

M+82° 748 23 54 18 +82 20

L1850 23 58 57 +93 47

[L1852] 23 59 23 +102 27

Number of stars in each hour of R.A.

R.A.	N.C.	L.C.	Total.	N.C.	L.C.	Total.
0	~~7~~ 87	14	221	2	1	3
1	8	10	18	2	0	2
2	6	7	13	1	1	2
3	4	5	9	1	1	2
4	6	5	11	1	2	3
5	1	2	3	1	1	2
6	4	8	12	3	2	5
7	8	6	14	0	2	2
8	7	8	15	0	3	3
9	3	7	10	1	1	2
10	6	11	17	2	0	2
11	7	3	10 153	1	1	2 30
12	14	87	221	1	2	3
13	10	8	18	0	2	2
14	7	6	13	1	1	2
15	5	4	9	1	1	2
16	5	6	11	2	1	3
17	2	1	3	1	1	2
18	8	4	12	2	2	4
19	6	8	14	2	0	2
20	8	7	15	3	0	3
21	7	3	10	1	1	2
22	11	6	17	0	2	2
23	3	7	10 153	1	1	2 30
24			306			60

* Nonfundamental stars in black
Fundamental stars in purple.

1685phase.pr-01.1758.