

August Observing List

Prepared by Bill Breeden

Double Stars (Astronomical League)

- _____ 76. 40/41 Dra SAO 8994 Const. DRA Type DS RA 18 00.2 Decl. +80° 00' Mag. 5.7 6.1
- _____ 77. 95 Her SAO 85647 Const. HER Type DS RA 18 01.5 Decl. +21° 36' Mag. 5.0 5.1
- _____ 78. 70 Oph SAO 123107 Const. OPH Type DS RA 18 05.5 Decl. +02° 30' Mag. 4.2 6.0
- _____ 79. Eps Lyr SAO 67310 Double Double Type DS RA 18 44.3 Decl. +39° 40' Mag 5.0 6.1 5.2 5.5
- _____ 80. Zeta Lyr SAO 67321 Const. LYR Type DS RA 18 44.8 Decl. +37° 36' Mag. 4.3 5.9
- _____ 81. Beta Lyr SAO 67451 Sheliak Const. LYR Type DS RA 18 50.1 Decl. +33° 22' Mag. 3.4 8.6
- _____ 82. Struve 2404 SAO 104170 Const. AQL Type DS RA 18 50.8 Decl. +10° 59' Mag. 6.9 8.1
- _____ 83. Otto Struve 525 SAO 67566 Const. LYR Type DS RA 18 54.9 Decl. +33° 58' Mag. 6.0 7.7
- _____ 84. Theta Ser SAO 124068 Alya Const. SER Type DS RA 18 56.2 Decl. +04° 12' Mag. 4.5 5.4
- _____ 85. Beta Cyg SAO 87301 Albireo Const. CYG Type DS RA 19 30.7 Decl. +27° 58' Mag. 3.1 5.1
- _____ 86. 57 Aql SAO 143898 Const. AQL Type DS RA 19 54.6 Decl. -08° 14' Mag. 5.8 6.5

Carbon Stars (Astronomical League)

- _____ 65. FO Ser SAO 161327 RA 18 19 21 Decl. -15 36 46 Mag. 8.5 – 8.7 Per. Irr. Class C4 (R6)
- _____ 66. AC Her SAO 86134 RA 18 30 16 Decl. +21 52 00 Mag. 6.9-9.0 Per. 75 Class C0 (F2plb-K4e)
- _____ 67. T Lyr SAO 67087 RA 18 32 20 Decl. +36 59 55 Mag. 7.5 – 9.3 Per. Irr. Class C6 (R6)
- _____ 68. HK Lyr GSC 2649:507 RA 18 42 50 Decl. +36 57 30 Mag. 7.8 – 9.6 Per. Irr. Class C6 (N4)
- _____ 69. S Sct SAO 142674 RA 18 50 20 Decl. -07 54 27 Mag. 6.3 – 9.0 Per. 148 Class C6 (N3)
- _____ 70. UV Aql GSC 1051:51 RA 18 58 32 Decl. +14 21 49 Mag. 8.0 – 9.6 Per. 386 Class C5 (N4)
- _____ 71. V Aql SAO 142985 RA 19 04 24 Decl. -05 41 05 Mag. 6.6 – 8.4 Per. 353 Class C5 – C6 (N6)
- _____ 72. V1942 Sgr SAO 162465 RA 19 19 09 Decl. -15 54 30 Mag. 6.7 – 7.0 Per. Irr. Class C6 (N2/R8)
- _____ 73. U Lyr GSC 3134:1708 RA 19 20 09 Decl. +37 52 36 Mag. 8.3 – 13.5 Per. 452 Class C4 (N0e)
- _____ 74. UX Dra SAO 9404 RA 19 21 35 Decl. +76 33 34 Mag. 5.9 – 7.1 Per. 168 Class C7 (N0)
- _____ 75. NSV 11960 (Aql) SAO 162551 RA 19 23 10 Decl. -10 42 11 Mag. 7.0–7.1 Per. ? Class C2 (R0)
- _____ 76. AW Cyg GSC 3543:2275 RA 19 28 47 Decl. +46 02 38 Mag. 7.1 – 8.5 Per. 340 Class C4 (N3)
- _____ 77. AQ Sgr SAO 162777 RA 19 34 18 Decl. -16 22 27 Mag. 6.6 – 8.5 Per. 200 Class C7 (N3)
- _____ 78. TT Cyg SAO 68688 RA 19 40 57 Decl. +32 37 05 Mag. 7.0 – 9.1 Per. 118 Class C5 (N3e)
- _____ 79. AX Cyg GSC 3149:942 RA 19 57 12 Decl. +44 15 40 Mag. 7.9 – 8.8 Per. Irr. Class C4 (N6)

Messier Objects

- _____ M8 NGC6523 Lagoon Nebula Const. SGR Type EN RA 18 03.8 Decl. -24 23 Mag. 6
- _____ M11 NGC6705 Wild Duck Cluster Const. SCT Type OC RA 18 51.1 Decl. -06 16 Mag. 6.3
- _____ M16 NGC6611 Eagle Nebula Const. SER Type OC RA 18 18.8 Decl. -13 47 Mag. 6.4
- _____ M17 NGC6618 Swan Nebula Const. SGR Type EN RA 18 20.8 Decl. -16 11 Mag. 7.5
- _____ M18 NGC6613 Const. SGR Type OC RA 18 19.9 Decl. -17 08 Mag. 7.5
- _____ M20 NGC6514 Trifid Nebula Const. SGR Type EN RA 18 02.6 Decl. -23 02 Mag. 9
- _____ M21 NGC6531 Const. SGR Type OC RA 18 04.6 Decl. -22 30 Mag. 6.5
- _____ M22 NGC6656 Const. SGR Type GC RA 18 36.4 Decl. -23 54 Mag. 5.9
- _____ M24 NGC>6603 Sagittarius Star Cloud Const. SGR Type RA 18 16.9 Decl. -18 29 Mag. 4.6
- _____ M25 IC4725 Const. SGR Type OC RA 18 31.6 Decl. -19 15 Mag. 6.5
- _____ M26 NGC6694 Const. SCT Type OC RA 18 45.2 Decl. -09 24 Mag. 9.3
- _____ M27 NGC6853 Dumbbell Nebula Const. VUL Type PN RA 19 59.6 Decl. +22 43 Mag. 7.4
- _____ M28 NGC6626 Const. SGR Type GC RA 18 24.5 Decl. -24 52 Mag. 7.3
- _____ M54 NGC6715 Const. SGR Type GC RA 18 55.1 Decl. -30 29 Mag. 8

_____ M55 NGC6809 Const. SGR Type GC RA 19 40.0 Decl. -30 58 Mag. 5
_____ M56 NGC6779 Const. LYR Type GC RA 19 16.6 Decl. +30 11 Mag. 8.2
_____ M57 NGC6720 Ring Nebula Const. LYR Type PN RA 18 53.6 Decl. +33 02 Mag. 8.8
_____ M69 NGC6637 Const. SGR Type GC RA 18 31.4 Decl. -32 21 Mag. 8.9
_____ M70 NGC6681 Const. SGR Type GC RA 18 43.2 Decl. -32 18 Mag. 9.6
_____ M71 NGC6838 Const. SGE Type GC RA 19 53.8 Decl. +18 47 Mag. 9

Caldwell Objects

_____ C15 NGC6826 Blinking Pl. Const. CYG Type PN RA 19 44 48.00 Decl. +50 31 00.0 Mag. 9.8
_____ C57 NGC6822 Barnard's Galaxy Const. SGR Type IG RA 19 44 54.00 Decl. -14 48 00.0 Mag. 9.3
_____ C68 NGC6729 R CrA Nebula Const. CRA Type BN RA 19 01 54.00 Decl. -36 57 00.0 Mag. 9.7
_____ C78 NGC6541 Const. CRA Type GC RA 18 08 00.00 Decl. -43 42 00.0 Mag. 6.6
_____ C93 NGC6752 Const. PAV Type GC RA 19 10 54.00 Decl. -59 59 00.0 Mag. 5.4
_____ C101 NGC6744 Const. PAV Type SG RA 19 09 48.00 Decl. -63 51 00.0 Mag. 9

Royal Astronomical Society of Canada Objects

_____ 92. NGC6572 Const. OPH Type PN RA 18 12.1 Decl. +06 51 Mag. 9
_____ 93. NGC6633 Const. OPH Type OC RA 18 27.7 Decl. +06 34 Mag. 4.6
_____ 94. NGC6712 Const. SCT Type GC RA 18 53.1 Decl. -08 42 Mag. 8.2
_____ 95. NGC6781 Const. AQL Type PN RA 19 18.4 Decl. +06 33 Mag. 11.8
_____ 96. NGC6819 Const. CYG Type OC RA 19 41.3 Decl. +40 11 Mag. 7.3
_____ 97. NGC6826 Const. CYG Type PN RA 19 44.8 Decl. +50 31 Mag. 9.8
_____ 103. NGC6520 Const. SGR Type OC RA 18 03.4 Decl. -27 54 Mag. 8.1
_____ 104. NGC6818 Const. SGR Type PN RA 19 44.0 Decl. -14 09 Mag. 9.9
_____ 105. NGC6802 Const. VUL Type OC RA 19 30.6 Decl. +20 16 Mag. 8.8

Hidden Treasures (Stephen O'Meara)

_____ 88. NGC6520 Const. SGR Type OC RA 18h03m25s Decl. -27°53'28" Mag. 7.6
_____ 89. NGC6544 Const. SGR Type GC RA 18h07m18s Decl. -25°00'00" Mag. 8.3
_____ 90. NGC6572 Const. OPH Type PN RA 18h12m06s Decl. +06°51'13" Mag. 8.1
_____ 91. NGC6624 Const. SGR Type GC RA 18h23m42s Decl. -30°22'00" Mag. 9.1
_____ 92. NGC6633 Const. OPH Type OC RA 18h27m15s Decl. +06°30'30" Mag. 4.6
_____ 93. IC 4756 Const. SER Type OC RA 18h39m00s Decl. +05°27'00" Mag. 4.6
_____ 94. NGC6709 Const. AQL Type OC RA 18h51m30s Decl. +10°21'00" Mag. 6.7
_____ 95. NGC6712 Const. SCT Type GC RA 18h53m06s Decl. -08°42'00" Mag. 8.2
_____ 96. NGC6723 Const. SGR Type GC RA 18h59m36s Decl. -36°38'00" Mag. 7
_____ 97. Collinder 399 Const. VUL Type ASM RA 19h25m24s Decl. +20°11'00" Mag. 3.6
_____ 98. NGC6819 Const. CYG Type OC RA 19h41m18s Decl. +40°11'00" Mag. 7.3
_____ 99. NGC6818 Const. SGR Type PN RA 19h43m58s Decl. -14°09'12" Mag. 9.3
_____ A17. NGC6664 Const. SCT Type OC RA 18h36m42s Decl. -08°13'00" Mag. 7.8
_____ A18. NGC6781 Const. AQL Type PN RA 19h18m30s Decl. +06°32'00" Mag. 11.4

Secret Deep (Stephen O'Meara)

_____ 78. NGC6522 Const. SGR Type GC RA 18h03.6m Decl. -30°02' Mag. 8.3 Size 9'
_____ 79. NGC6528 Const. SGR Type GC RA 18h04.8m Decl. -30°03' Mag. 9.6 Size 4'
_____ 80. NGC6563 Const. SGR Type PN RA 18h12.1m Decl. -33°52' Mag. 11 Size 50"x38"
_____ 81. NGC6589 Const. SGR Type BN RA 18h16.9m Decl. -19°47' Mag. -- Size 5'x3'
_____ 82. NGC6595 Const. SGR Type BN RA 18h17.1m Decl. -19°52' Mag. -- Size 4'x3'

- _____ 83. NGC6638 Const. SGR Type GC RA 18h30.9m Decl. -25°30' Mag. 9.2 Size 7'
- _____ 84. NGC6664 Const. SCT Type OC RA 18h36.5m Decl. -08°11' Mag. 7.8 Size 12'
- _____ 85. NGC6717 Const. SGR Type GC RA 18h55.1m Decl. -22°42' Mag. 8.4 Size 5'
- _____ 86. NGC6751 Const. AQL Type PN RA 19h05.9m Decl. -05°59.5' Mag. 11.9 Size 24''
- _____ 87. NGC6755 Const. AQL Type OC RA 19h07.8m Decl. +04°16' Mag. 7.5 Size 15'
- _____ 88. NGC6756 Const. AQL Type OC RA 19h08.7m Decl. +04°42' Mag. 10.6 Size 4'
- _____ 89. NGC6778 Const. AQL Type PN RA 19h18.4m Decl. -01°36' Mag. 11.9 Size 20"x40''
- _____ 90. NGC6781 Const. AQL Type PN RA 19h18.5m Decl. +06°32' Mag. 11.4 Size 2'
- _____ 91. NGC6804 Const. AQL Type PN RA 19h31.6m Decl. +09°13' Mag. 12.2 Size "50''"
- _____ 92. NGC6811 Const. CYG Type OC RA 19h37.2m Decl. +46°22.5' Mag. 6.8 Size 15'
- _____ 93. Cyg X-1 Const. CYG Type Black Hole RA 19h58.4m Decl. +35°12' Mag. 8.8 Size --
- _____ A20. NGC6603 Const. SGR Type OC RA 18h18.5m Decl. -18°24' Mag. 11.1 Size 4'
- _____ A21. IC1295 Const. SCU Type PN RA 18h54.6m Decl. -08°50' Mag. 12.5 Size 1'

Notes: This list contains deep sky objects with Right Ascension (RA) of 18 and 19 hours. These lines of RA cross the meridian (the highest point they can reach) near 10:00 pm during August. This list can also be used at 8:00 pm in September, and at midnight in July. Declination can be used to determine if an object is visible from your latitude. Observing all objects in each monthly list will allow you to observe all objects in the catalogs represented here over the course of one year.

Key: M=Messier Catalog. C=Caldwell Catalog. NGC=New General Catalogue. IC=Index Catalog. SAO=Smithsonian Astrophysical Observatory Star Catalog. Const.=Constellation. DS=Double Star. GSC=Guide Star Catalog. GC=Globular Cluster. OC=Open Cluster. GAL=Galaxy. SG=Spiral Galaxy. PN=Planetary Nebula. EN=Emission Nebula. RN=Reflection Nebula. BN=Bright Nebula. AST=Asterism. RA=Right Ascension. Decl.=Declination. Mag.=Magnitude. Size=Apparent Size.

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