

February Observing List

Prepared by Bill Breeden

Double Stars (Astronomical League)

- _____ 30. Epsilon Mon SAO 113810 Const. MON Type DS RA 06 23.8 Decl. +04° 36' Mag. 4.5 6.5
- _____ 31. Beta Mon SAO 133316 Const. MON Type DS RA 06 28.8 Decl. -07° 02' Mag. 4.7 5.2
- _____ 32. 12 Lyn SAO 25939 Const. LYN Type DS RA 06 46.2 Decl. +59° 27' Mag. 5.4 7.3
- _____ 33. Eps CMa SAO 172676 Adhara Const. CMA Type DS RA 06 58.6 Decl. -28° 58' Mag. 1.5 7.4
- _____ 34. Delta Gem SAO 79294 Wasat Const. GEM Type DS RA 07 20.1 Decl. +21° 59' Mag. 3.5 8.2
- _____ 35. 19 Lyn SAO 26311 Const. LYN Type DS RA 07 22.9 Decl. +55° 17' Mag. 5.6 6.5
- _____ 36. Alpha Gem SAO 60198 Castor Const. GEM Type DS RA 07 34.6 Decl. +31° 53' Mag. 1.9 2.9
- _____ 37. Kappa Pup SAO 174198 Const. PUP Type DS RA 07 38.8 Decl. -26° 48' Mag. 4.5 4.7

Carbon Stars (Astronomical League)

- _____ 32. TU Gem SAO 78066 RA 06 10 53 Decl. +26 00 53 Mag. 7.4 – 8.4 Per. 230 Class C6 (N3)
- _____ 33. FU Mon GSC 136:183 RA 06 22 23 Decl. +03 25 27 Mag. 8.5 – 9.8 Per. 310 Class C8 (CSe)
- _____ 34. V Aur GSC 3380:1119 RA 06 24 02 Decl. +47 42 23 Mag. 8.5 – 13.0 Per. 353 Class C6 (N3)
- _____ 35. BL Ori SAO 95659 RA 06 25 28 Decl. +14 43 19 Mag. 6.0 – 7.0 Per. 154 Class "C6 (Nb Tc)
- _____ 36. UU Aur SAO 59280 RA 06 36 32 Decl. +38 26 43 Mag. 5.1 – 7.0 Per. 234 Class C5 – C7 (N3)
- _____ 37. VW Gem SAO 59383 RA 06 42 08 Decl. +31 27 17 Mag. 8.1 – 8.5 Per. Irr. Class C5 (Na)
- _____ 38. GY Mon SAO 133825 RA 06 53 11 Decl. -04 34 34 Mag. 8.1 – 9.0 Per. Irr. Class C6 (N3/R8)
- _____ 39. RV Mon SAO 114704 RA 06 58 21 Decl. +06 10 01 Mag. 7.0-8.9 Per. 132 Class C4-C6
- _____ 40. V614 Mon SAO 134049 RA 07 01 01 Decl. -03 15 09 Mag. 7.0 – 7.4 Per. 60 Class C4 (R5)
- _____ 41. RY Mon GSC 5381:403 RA 07 06 56 Decl. -07 33 26 Mag. 7.5 – 9.2 Per. 456 Class C5 – C7
- _____ 42. W CMa SAO 152427 RA 07 08 03 Decl. -11 55 23 Mag. 6.4 – 7.9 Per. Irr. Class C6 (N)
- _____ 43. R CMi SAO 96548 RA 07 08 42 Decl. +10 01 26 Mag. 7.3 – 11.6 Per. 338 Class C7 (CSep)
- _____ 44. BM Gem GSC 1913:1170 RA 07 20 59 Decl. +24 59 58 Mag. 8.3 – 9.2 Per. 286 Class C5 (Nb)
- _____ 45. RU Cam SAO 14157 RA 07 21 44 Decl. +69 40 14 Mag. 8.1 – 9.8 Per. 22 Class C0 – C3
- _____ 46. NQ Gem SAO 79474 RA 07 31 54 Decl. +24 30 12 Mag. 7.4 – 8.0 Per. 70 Class C6 (R9)
- _____ 47. RU Pup SAO 175215 RA 08 07 29 Decl. -22 54 45 Mag. 8.1 – 11.1 Per. 425 Class C5 (N3)

Messier Objects

- _____ M35 NGC2168 Const. GEM Type OC RA 06 08.9 Decl. +24 20 Mag. 5.3
- _____ M41 NGC2287 Const. CMA Type OC RA 06 46.0 Decl. -20 44 Mag. 4.6
- _____ M46 NGC2437 Const. PUP Type OC RA 07 41.8 Decl. -14 49 Mag. 6
- _____ M47 NGC2422 Const. PUP Type OC RA 07 36.6 Decl. -14 30 Mag. 4.5
- _____ M50 NGC2323 Const. MON Type OC RA 07 03.2 Decl. -08 20 Mag. 6.3
- _____ M93 NGC2447 Const. PUP Type OC RA 07 44.6 Decl. -23 52 Mag. 6

Caldwell Objects

- _____ C7 NGC2403 Const. CAM Type SG RA 07 36 54.00 Decl. +65 36 00.0 Mag. 8.9
- _____ C25 NGC2419 Intergal. Tramp Const. LYN Type GC RA 07 38 06.00 Decl. +38 53 00.0 Mag. 10.4
- _____ C39 NGC2392 Eskimo Nebula Const. GEM Type PN RA 07 29 12.00 Decl. +20 55 00.0 Mag. 9.9
- _____ C46 NGC2261 Hubble's Var Neb Const. MON Type BN RA 06 39 12.00 Decl. +08 44 00.0 Mag10
- _____ C49 NGC2237-9 Rosette Nebula Const. MON Type BN RA 06 32 18.00 Decl. +05 03 00.0 Mag.
- _____ C50 NGC2244 Const. MON Type OC RA 06 32 24.00 Decl. +04 52 00.0 Mag. 4.8
- _____ C58 NGC2360 Const. CMA Type OC RA 07 17 48.00 Decl. -15 37 00.0 Mag. 7.2
- _____ C64 NGC2362 Tau Cma Cluster Const. CMA Type OC RA 07 18 48.00 Decl. -24 57 00.0 Mag. 4.1

- _____ C71 NGC2477 Const. PUP Type OC RA 07 52 18.00 Decl. -38 33 00.0 Mag. 5.8
- _____ C96 NGC2516 Const. CAR Type OC RA 07 58 18.00 Decl. -60 52 00.0 Mag. 3.8

Royal Astronomical Society of Canada Objects

- _____ 29. NGC2194 Const. ORI Type OC RA 06 13.8 Decl. +12 48 Mag. 8.5
- _____ 30. NGC2371/2 Const. GEM Type PN RA 07 25.6 Decl. +29 29 Mag. 13
- _____ 31. NGC2392 Eskimo Nebula Const. GEM Type PN RA 07 29.2 Decl. +20 55 Mag. 8.3
- _____ 32. NGC2237+ Const. MON Type EN RA 06 32.3 Decl. +05 03 Mag.
- _____ 33. NGC2261 Hubble's Variable Neb. Const. MON Type E/RN RA 06 39.2 Decl. +08 44 Mag. var
- _____ 34. NGC2359 Const. CMA Type EN RA 07 18.6 Decl. -13 12 Mag.
- _____ 35. NGC2440 Const. PUP Type PN RA 07 41.9 Decl. -18 13 Mag. 10.3
- _____ 37. NGC2403 Const. CAM Type G-Sc RA 07 36.9 Decl. +65 36 Mag. 8.4

Hidden Treasures (Stephen O'Meara)

- _____ 35. NGC2163 Const. ORI Type NbDF RA 06h07m50s Decl. +18°39'27" Mag. ---
- _____ 36. NGC2169 Const. ORI Type OC RA 06h08m24s Decl. +13°57'53" Mag. 5.9
- _____ 37. NGC2175 Const. ORI Type NbOC RA 06h09m40s Decl. +20°29'15" Mag. 6.8
- _____ 38. NGC2264 Const. MON Type NbOC RA 06h40m58s Decl. +09°53'44" Mag. 3.9
- _____ 39. NGC2301 Const. MON Type OC RA 06h51m45s Decl. +00°27'33" Mag. 6
- _____ 40. NGC2353 Const. MON Type OC RA 07h14m30s Decl. -10°16'00" Mag. 7.1
- _____ 41. NGC2440 Const. PUP Type PN RA 07h41m54s Decl. -18°13'00" Mag. 9.4
- _____ 42. NGC2451 Const. PUP Type OC RA 07h45m15s Decl. -37°58'03" Mag. 2.8
- _____ 43. NGC2467 Const. PUP Type NbOC RA 07h52m30s Decl. -26°25'48" Mag. 7.1

Secret Deep (Stephen O'Meara)

- _____ 28. NGC2149 Const. MON Type BN RA 06h03.5m Decl. -09°44' Mag. -- Size 3'x2'
- _____ 29. NGC2170 Const. MON Type BN RA 06h07.5m Decl. -06°24' Mag. -- Size 2'x2'
- _____ 30. NGC2281 Const. AUR Type OC RA 06h48.3m Decl. +41°05' Mag. 5.4 Size 25'
- _____ 31. NGC2298 Const. PUP Type GC RA 06h49.0m Decl. -36°00' Mag. 9.3 Size 5'
- _____ 32. NGC2316 Const. MON Type BN RA 06h59.7m Decl. -07°46' Mag. -- Size 4'x3'
- _____ 33. NGC2343 Const. MON Type OC RA 07h08.1m Decl. -10°37' Mag. 6.7 Size 6'
- _____ 34. NGC2346 Const. MON Type PN RA 07h09.4m Decl. -00°48' Mag. 11.8 Size 50"
- _____ 35. NGC2359 Const. CMA Type BN RA 07h18.6m Decl. -13°12' Mag. -- Size 9'x6'
- _____ 36. NGC2371-2 Const. GEM Type PN RA 07h25.5m Decl. +29°29' Mag. 11.3 Size 58"
- _____ 37. NGC2420 Const. GEM Type OC RA 07h38.4m Decl. +21°34' Mag. 8.3 Size 6'
- _____ A5. IC2165 Const. CMA Type PN RA 06h21.7m Decl. -12°59' Mag. 10.6 Size 4"
- _____ A6. NGC2232 Const. MON Type OC RA 06h27.2m Decl. -04°45' Mag. 4.2 Size 53'
- _____ A7. NGC2439 Const. PUP Type OC RA 07h40.8m Decl. -31°41.5' Mag. 6.9 Size 9'
- _____ A8. NGC2489 Const. PUP Type OC RA 07h56.2m Decl. -30°04' Mag. 7.9 Size 5'

Notes: This list contains deep sky objects with Right Ascension (RA) of 06 and 07 hours. These lines of RA cross the meridian (the highest point they can reach) near 10:00 pm during February. This list can also be used at 8:00 pm in March, and at midnight in January. 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.

Updated 5/19/2023.