June Observing List
Prepared by Bill Breeden

Double Stars (Astronomical League)
_____ 51. Kappa Boo SAO 29045 Const. BOO Type DS RA 14 13.5 Decl. +51° 47' Mag. 4.6 6.6
_____ 52. Iota Boo SAO 29071 Const. BOO Type DS RA 14 16.2 Decl. +51° 22' Mag. 4.9 7.5
_____ 53. Pi Boo SAO 101138 Const. BOO Type DS RA 14 40.7 Decl. +16° 25' Mag. 4.9 5.8
_____ 54. Epsilon Boo SAO 83500 Izar Const. BOO Type DS RA 14 45.0 Decl. +27° 04' Mag. 2.5 4.9
_____ 55. Alpha Lib SAO 158836 Zubenelgenubi Type DS RA 14 50.9 Decl. -16° 02' Mag. 2.8 5.2
_____ 56. Xi Boo SAO 101250 Const. BOO Type DS RA 14 51.4 Decl. +19° 06' Mag. 4.7 7.0
_____ 57. Delta Boo SAO 64589 Alrakis Const. BOO Type DS RA 15 15.5 Decl. +33° 19' Mag. 3.5 8.7
_____ 58. Mu Boo SAO 64686 Const. BOO Type DS RA 15 24.5 Decl. +37° 23' Mag. 4.3 7.0
_____ 59. Delta Ser SAO 101623 Const. SER Type DS RA 15 34.5 Decl. +10° 32' Mag. 4.2 5.2
_____ 60. Zeta CrB SAO 64833 Const. CRB Type DS RA 15 39.4 Decl. +36° 38' Mag. 5.1 6.0

Carbon Stars (Astronomical League)
_____ 58. V CrB SAO 64929 RA 15 49 31 Decl. +39 34 17 Mag. 6.9-12.6 Per. 358 Class C6 (N2e)

Messier Objects
_____ M5 NGC5904 Const. SER Type GC RA 15 18.6 Decl. +02 05 Mag. 6.2
_____ M101 NGC5457 Pinwheel Galaxy Const. UMA Type GAL RA 14 03.2 Decl. +54 21 Mag. 9.6
_____ M102 NGC5866? Const. DRA Type GAL RA 15 06.5 Decl. +55 46 Mag. 10

Caldwell Objects
_____ C66 NGC5694 Const. HYA Type GC RA 14 39 36.00 Decl. -26 32 00.0 Mag. 10.2
_____ C88 NGC5823 Const. CIR Type OC RA 15 05 42.00 Decl. -55 36 00.0 Mag. 7.9

Royal Astronomical Society of Canada Objects
_____ 85. NGC5746 Const. VIR Type G-Sb RA 14 44.9 Decl. +01 57 Mag. 10.6
_____ 86. NGC5466 Const. BOO Type GC RA 14 05.5 Decl. +28 32 Mag. 9.1
_____ 87. NGC5907 Const. DRA Type G-Sb RA 15 15.9 Decl. +56 19 Mag. 10.4

Hidden Treasures (Stephen O'Meara)
_____ 73. NGC5662 Const. CEN Type OC RA 14h35m37s Decl. -56°37'05" Mag. 5.5
_____ 74. NGC5746 Const. VIR Type GAL RA 14h44m56s Decl. +01°57'21" Mag. 10.5
_____ 75. M 102 Const. DRA Type GAL RA 15h06m30s Decl. +55°45'47" Mag. 10.5
_____ 76. NGC5897 Const. LIB Type GC RA 15h17m24s Decl. -21°00'37" Mag. 8.6
_____ 77. NGC5986 Const. LUP Type GC RA 15h46m03s Decl. -37°47'10" Mag. 7.5
_____ A9. IC 4406 Const. LUP Type PN RA 14h22m26s Decl. -44°09'04" Mag. 10.3
_____ A10. NGC5617 Const. CEN Type OC RA 14h29m44s Decl. -60°42'39" Mag. 6.3
_____ A11. NGC5846 Const. VIR Type GAL RA 15h06m29s Decl. +01°36'22" Mag. 10.2
_____ A12. NGC5907 Const. DRA Type GAL RA 15h15m54s Decl. +56°19'45" Mag. 11.4
_____ A13. NGC5927 Const. LUP Type GC RA 15h28m00s Decl. -50°40'23" Mag. 8.3

Secret Deep (Stephen O'Meara)

_____ 68. NGC5466 Const. BOO Type GC RA 14h05.4m Decl. +28°32' Mag. 9 Size 9'
_____ 69. NGC5846 Const. VIR Type GAL RA 15h06.4m Decl. +01°36' Mag. 10 Size 3'x3'
_____ 70. NGC5907 Const. DRA Type GAL RA 15h15.9m Decl. +56°20' Mag. 10.3 Size 12'x2'
_____ A17. NGC5634 Const. VIR Type GC RA 14h29.6m Decl. -05°59' Mag. 9.5 Size 6'
_____ A18. NGC5824 Const. LUP Type GC RA 15h04.0m Decl. -33°04' Mag. 7.8 Size 6'

Notes: This list contains deep sky objects with Right Ascension (RA) of 14 and 15 hours. These lines of RA cross the meridian (the highest point they can reach) near 10:00 pm during June. This list can also be used at 8:00 pm in July, and at midnight in May. 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.