

May Observing List

Prepared by Bill Breeden

Double Stars (Astronomical League)

- _____ 45. Delta Crv SAO 157323 Algorah Const. CRB Type DS RA 12 29.9 Decl. -16° 31' Mag. 3.0 9.2
- _____ 46. 24 Com SAO 100160 Const. COM Type DS RA 12 35.1 Decl. +18° 23' Mag. 5.2 6.7
- _____ 47. Gamma Vir SAO 138917 Porrima Const. VIR Type DS RA 12 41.7 Decl. -01° 27' Mag. 3.5 3.5
- _____ 48. 32 Cam SAO 2101 Const. CAM Type DS RA 12 49.2 Decl. +83° 25' Mag. 5.3 5.8
- _____ 49. Alp CVn SAO 63256 Cor Caroli Const. CVN Type DS RA 12 56.0 Decl. +38° 19' Mag. 2.9 5.5
- _____ 50. Zet UMa SAO 28737 Mizar Const. UMA Type DS RA 13 23.9 Decl. +54° 56' Mag. 2.3 4.0 4.0

Carbon Stars (Astronomical League)

- _____ 54. SS Vir GSC 282:753 RA 12 25 14 Decl. +00 46 10 Mag. 6.0 – 9.6 Per. 364 Class C6 (Ne)
- _____ 55. Y CVn SAO 44317 RA 12 45 07 Decl. +45 26 24 Mag. 4.8 – 6.4 Per. 157 Class C5 (N3)
- _____ 56. RY Dra SAO 15945 RA 12 56 25 Decl. +65 59 39 Mag. 6.0 – 8.0 Per. 200 Class C4 (N4p)
- _____ 57. SAO 157721 (Vir) GSC 6118:1194 RA 13 06 24 Decl. -20 03 31 Mag. 8.5-8.5 Class C2 (K5p)

Messier Objects

- _____ M3 NGC5272 Const. CVN Type GC RA 13 42.2 Decl. +28 23 Mag. 6.3
- _____ M40 WIC4 Const. UMA Type DS RA 12 22.4 Decl. +58 05 Mag. 9.1
- _____ M49 NGC4472 Const. VIR Type GAL RA 12 29.8 Decl. +08 00 Mag. 8.5
- _____ M51 NGC5194 Whirlpool Galaxy Const. CVN Type GAL RA 13 29.9 Decl. +47 12 Mag. 8.1
- _____ M53 NGC5024 Const. COM Type GC RA 13 12.9 Decl. +18 10 Mag. 7.6
- _____ M58 NGC4579 Const. VIR Type GAL RA 12 37.7 Decl. +11 49 Mag. 9.2
- _____ M59 NGC4621 Const. VIR Type GAL RA 12 42.0 Decl. +11 39 Mag. 9.6
- _____ M60 NGC4649 Const. VIR Type GAL RA 12 43.7 Decl. +11 33 Mag. 8.9
- _____ M61 NGC4303 Const. VIR Type GAL RA 12 21.9 Decl. +04 28 Mag. 10.1
- _____ M63 NGC5055 Const. CVN Type GAL RA 13 15.8 Decl. +42 02 Mag. 9.5
- _____ M64 NGC4826 Black Eye Galaxy Const. COM Type GAL RA 12 56.7 Decl. +21 41 Mag. 8.8
- _____ M68 NGC4590 Const. HYA Type GC RA 12 39.5 Decl. -26 45 Mag. 8
- _____ M83 NGC5236 Const. HYA Type GAL RA 13 37.0 Decl. -29 52 Mag. 7.6
- _____ M84 NGC4374 Const. VIR Type GAL RA 12 25.1 Decl. +12 53 Mag. 9.3
- _____ M85 NGC4382 Const. COM Type GAL RA 12 25.4 Decl. +18 11 Mag. 9.3
- _____ M86 NGC4406 Const. VIR Type GAL RA 12 26.2 Decl. +12 57 Mag. 9.7
- _____ M87 NGC4486 Const. VIR Type GAL RA 12 30.8 Decl. +12 24 Mag. 9.2
- _____ M88 NGC4501 Const. COM Type GAL RA 12 32.0 Decl. +14 25 Mag. 10.2
- _____ M89 NGC4552 Const. VIR Type GAL RA 12 35.7 Decl. +12 33 Mag. 9.5
- _____ M90 NGC4569 Const. VIR Type GAL RA 12 36.8 Decl. +13 10 Mag. 10
- _____ M91 NGC4548 Const. COM Type GAL RA 12 35.4 Decl. +14 30 Mag. 9.5
- _____ M94 NGC4736 Const. CVN Type GAL RA 12 50.9 Decl. +41 07 Mag. 7.9
- _____ M98 NGC4192 Const. COM Type GAL RA 12 13.8 Decl. +14 54 Mag. 11.7
- _____ M99 NGC4254 Const. COM Type GAL RA 12 18.8 Decl. +14 25 Mag. 10.1
- _____ M100 NGC4321 Const. COM Type GAL RA 12 22.9 Decl. +15 49 Mag. 10.6
- _____ M104 NGC4594 Sombrero Galaxy Const. VIR Type GAL RA 12 40.0 Decl. -11 37 Mag. 8.7
- _____ M106 NGC4258 Const. CVN Type GAL RA 12 19.0 Decl. +47 18 Mag. 8.6

Caldwell Objects

_____	C3	NGC4236	Const. DRA	Type SG	RA 12 16 42.00	Decl. +69 28 00.0	Mag. 9.7	
_____	C21	NGC4449	Const. CVN	Type IG	RA 12 28 12.00	Decl. +44 06 00.0	Mag. 9.4	
_____	C26	NGC4244	Const. CVN	Type SG	RA 12 17 30.00	Decl. +37 49 00.0	Mag. 10.6	
_____	C29	NGC5005	Const. CVN	Type SG	RA 13 10 54.00	Decl. +37 03 00.0	Mag. 9.8	
_____	C32	NGC4631	Const. CVN	Type SG	RA 12 42 06.00	Decl. +32 32 00.0	Mag. 9.3	
_____	C35	NGC4889	Const. COM	Type EG	RA 13 00 06.00	Decl. +27 59 00.0	Mag. 11.4	
_____	C36	NGC4559	Const. COM	Type SG	RA 12 36 00.00	Decl. +27 58 00.0	Mag. 9.8	
_____	C38	NGC4565	Const. COM	Type SG	RA 12 36 18.00	Decl. +25 59 00.0	Mag. 9.6	
_____	C45	NGC5248	Const. BOO	Type SG	RA 13 37 30.00	Decl. +08 53 00.0	Mag. 10.2	
_____	C52	NGC4697	Const. VIR	Type EG	RA 12 48 36.00	Decl. -05 48 00.0	Mag. 9.3	
_____	C60	NGC4038	The Antennae	Const. CRV	Type SG	RA 12 01 54.00	Decl. -18 52 00.0	Mag. 11.3
_____	C61	NGC4039	The Antennae	Const. CRV	Type SG	RA 12 01 54.00	Decl. -18 53 00.0	Mag. 13
_____	C77	NGC5128	Cen A Radio Source	Const. CEN	Type EG	RA 13 25 30.00	Decl. -43 01 00.0	Mag. 7
_____	C80	NGC5139	Omega Centauri	Const. CEN	Type GC	RA 13 26 48.00	Decl. -47 29 00.0	Mag. 3.6
_____	C83	NGC4945	Const. CEN	Type SG	RA 13 05 24.00	Decl. -49 28 00.0	Mag. 9.5	
_____	C84	NGC5286	Const. CEN	Type GC	RA 13 46 24.00	Decl. -51 22 00.0	Mag. 7.6	
_____	C94	NGC4755	Jewel Box Clust	Const. CRU	Type OC	RA 12 53 36.00	Decl. -60 20 00.0	Mag. 4.2
_____	C98	NGC4609	Const. CRU	Type OC	RA 12 42 18.00	Decl. -62 58 00.0	Mag. 6.9	
_____	C99	Coal Sack	Const. CRU	Type DN	RA 12 53 00.00	Decl. -63 00 00.0	Mag.	
_____	C105	NGC4833	Const. MUS	Type GC	RA 12 59 36.00	Decl. -70 53 00.0	Mag. 7.3	
_____	C108	NGC4372	Const. MUS	Type GC	RA 12 25 48.00	Decl. -72 40 00.0	Mag. 7.8	

Royal Astronomical Society of Canada Objects

_____	46.	NGC4088	Const. UMA	Type G-Sc	RA 12 05.6	Decl. +50 33	Mag. 10.5	
_____	47.	NGC4157	Const. UMA	Type G-Sb	RA 12 11.1	Decl. +50 29	Mag. 11.9	
_____	48.	NGC4605	Const. UMA	Type G-SBcp	RA 12 40.0	Decl. +61 37	Mag. 9.6	
_____	59.	NGC4111	Const. CVN	Type G-S0	RA 12 07.1	Decl. +43 04	Mag. 10.8	
_____	60.	NGC4214	Const. CVN	Type G-Irr	RA 12 15.6	Decl. +36 20	Mag. 9.7	
_____	61.	NGC4244	Const. CVN	Type G-S	RA 12 17.5	Decl. +37 49	Mag. 10.2	
_____	62.	NGC4449	Const. CVN	Type G-Irr	RA 12 28.2	Decl. +44 06	Mag. 9.4	
_____	63.	NGC4490	Const. CVN	Type G-Sc	RA 12 30.6	Decl. +41 38	Mag. 9.8	
_____	64.	NGC4631	Const. CVN	Type G-Sc	RA 12 42.1	Decl. +32 32	Mag. 9.3	
_____	65.	NGC4656/7	Const. CVN	Type G-Sc	RA 12 44.0	Decl. +32 10	Mag. 10.4	
_____	66.	NGC5005	Const. CVN	Type G-Sb	RA 13 10.9	Decl. +37 03	Mag. 9.8	
_____	67.	NGC5033	Const. CVN	Type G-Sb	RA 13 13.4	Decl. +36 36	Mag. 10.1	
_____	68.	NGC4274	Const. COM	Type G-Sb	RA 12 19.8	Decl. +29 37	Mag. 10.4	
_____	69.	NGC4414	Const. COM	Type G-Sc	RA 12 26.4	Decl. +31 13	Mag. 10.2	
_____	70.	NGC4494	Const. COM	Type G-E1	RA 12 31.4	Decl. +25 47	Mag. 9.8	
_____	71.	NGC4559	Const. COM	Type G-Sc	RA 12 36.0	Decl. +27 58	Mag. 9.8	
_____	72.	NGC4565	Const. COM	Type G-Sb	RA 12 36.3	Decl. +25 59	Mag. 9.6	
_____	73.	NGC4725	Const. COM	Type G-Sb	RA 12 50.4	Decl. +25 30	Mag. 9.2	
_____	74.	NGC4038/9	Antennae Galaxies	Const. CRV	Type G-Sc	RA 12 01.9	Decl. -18 52	Mag. 10.7
_____	75.	NGC4361	Const. CRV	Type PN	RA 12 24.5	Decl. -18 48	Mag. 10.3	
_____	76.	NGC4216	Const. VIR	Type G-Sb	RA 12 15.9	Decl. +13 09	Mag. 9.9	
_____	77.	NGC4388	Const. VIR	Type G-Sb	RA 12 25.8	Decl. +12 40	Mag. 11	
_____	78.	NGC4438	Const. VIR	Type G-Sap	RA 12 27.8	Decl. +13 01	Mag. 10.1	
_____	79.	NGC4517	Const. VIR	Type G-Sc	RA 12 32.8	Decl. +00 07	Mag. 10.5	

- _____ 80. NGC4526 Const. VIR Type G-E7 RA 12 34.0 Decl. +07 42 Mag. 9.6
- _____ 81. NGC4535 Const. VIR Type G-Sc RA 12 34.3 Decl. +08 12 Mag. 9.8
- _____ 82. NGC4567/8 Const. VIR Type G-Sc RA 12 36.5 Decl. +11 15 Mag. ~11
- _____ 83. NGC4699 Const. VIR Type G-Sa RA 12 49.0 Decl. -08 40 Mag. 9.6
- _____ 84. NGC4762 Const. VIR Type G-SB0 RA 12 52.9 Decl. +11 14 Mag. 10.2

Hidden Treasures (Stephen O'Meara)

- _____ 59. NGC4214 Const. CVN Type GAL RA 12h15m40s Decl. +36°19'35" Mag. 9.7
- _____ 60. NGC4216 Const. VIR Type GAL RA 12h15m54s Decl. +13°08'59" Mag. 10
- _____ 61. NGC4361 Const. CRV Type PN RA 12h24m31s Decl. -18°47'05" Mag. 10.9
- _____ 62. Melotte 111 Const. COM Type OC RA 12h25m00s Decl. +26°00'00" Mag. 1.8
- _____ 63. NGC4490 Const. CVN Type GAL RA 12h30m36s Decl. +41°38'34" Mag. 9.5
- _____ 64. IC 3568 Const. CAM Type PN RA 12h33m07s Decl. +82°33'49" Mag. 10.6
- _____ 65. NGC4526 Const. VIR Type GAL RA 12h34m03s Decl. +07°41'58" Mag. 9.6
- _____ 66. NGC4605 Const. UMA Type GAL RA 12h40m00s Decl. +61°36'28" Mag. 10.8
- _____ 67. NGC4656 Const. CVN Type GAL RA 12h43m58s Decl. +32°10'13" Mag. 10.3
- _____ 68. NGC4699 Const. VIR Type GAL RA 12h49m02s Decl. -08°39'52" Mag. 9.6
- _____ 69. NGC4725 Const. COM Type GAL RA 12h50m26s Decl. +25°30'01" Mag. 9.2
- _____ 70. NGC5102 Const. CEN Type GAL RA 13h21m58s Decl. -36°37'49" Mag. 8.8
- _____ 71. NGC5281 Const. CEN Type OC RA 13h46m35s Decl. -62°54'59" Mag. 5.9
- _____ 72. NGC5363 Const. VIR Type GAL RA 13h56m07s Decl. +05°15'19" Mag. 10.2

Secret Deep (Stephen O'Meara)

- _____ 49. NGC4036 Const. UMA Type GAL RA 12h01.4m Decl. +61°54' Mag. 10.7 Size 4'x2'
- _____ 50. NGC4051 Const. UMA Type GAL RA 12h03.m2 Decl. +44°32' Mag. 10.2 Size 6'x5'
- _____ 51. NGC4111 Const. CVN Type GAL RA 12h07.1m Decl. +43°04' Mag. 10.7 Size 4'x1'
- _____ 52. NGC4147 Const. COM Type GC RA 12h10.1m Decl. +18°32.5' Mag. 10.3 Size 4'
- _____ 53. NGC4293 Const. COM Type GAL RA 12h21.2m Decl. +18°23' Mag. 10.4 Size 5'x3'
- _____ 54. NGC4414 Const. COM Type GAL RA 12h26.4m Decl. +31°13' Mag. 10.1 Size 4'x3'
- _____ 55. NGC4435 Const. VIR Type GAL RA 12h27.7m Decl. +13°05' Mag. 10.8 Size 3'x2'
- _____ 56. NGC4438 Const. VIR Type GAL RA 12h27.8m Decl. +13°01' Mag. 10.2 Size 9'x4'
- _____ 57. NGC4450 Const. COM Type GAL RA 12h28.5m Decl. +17°05' Mag. 10.1 Size 5'x3'
- _____ 58. NGC4461 Const. VIR Type GAL RA 12h29.0m Decl. +13°11' Mag. 11.2 Size 4'x1'
- _____ 59. 3C 273 Const. VIR Type Quasar RA 12h29.1m Decl. +02°03' Mag. 11.7-13.2 Size --
- _____ 60. NGC4473 Const. COM Type GAL RA 12h29.8m Decl. +13°26' Mag. 10.2 Size 4'x2'
- _____ 61. NGC4477 Const. COM Type GAL RA 12h30.0m Decl. +13°38' Mag. 10.4 Size 4'x4'
- _____ 62. NGC4636 Const. VIR Type GAL RA 12h42.8m Decl. +02°41' Mag. 9.5 Size 7'x5'
- _____ 63. NGC4665 Const. VIR Type GAL RA 12h45.1m Decl. +03°03' Mag. 10.5 Size 4'x4'
- _____ 64. NGC4753 Const. VIR Type GAL RA 12h52.4m Decl. -01°12' Mag. 9.9 Size 4'x2'
- _____ 65. NGC4762 Const. VIR Type GAL RA 12h52.9m Decl. +11°04' Mag. 10.3 Size 9'x2'
- _____ 66. NGC5033 Const. CVN Type GAL RA 13h13.4m Decl. +36°36' Mag. 10.2 Size 11'x5'
- _____ 67. NGC5195 Const. CVN Type GAL RA 13h30.0m Decl. +47°16' Mag. 9.6 Size 6'x5'
- _____ A15. NGC4698 Const. VIR Type GAL RA 12h48.4m Decl. +08°29' Mag. 10.6 Size 3'x2'
- _____ A16. NGC5084 Const. VIR Type GAL RA 13h20.3m Decl. -21°50' Mag. 10.4 Size 11'x3'

Notes: This list contains deep sky objects with Right Ascension (RA) of 12 and 13 hours. These lines of RA cross the meridian (the highest point they can reach) near 10:00 pm during May. This list can also be used at 8:00 pm in June, and at midnight in April. 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.