

Binocular Showpieces for January

Object	Con	RA	Dec	Notes
ν Draconis	Dra	17h 32.5m	+55° 10'	Double star. Wide pair of white stars. Dist=100 ly.
R Lyrae	Lyr	18h 55.7m	+43° 58'	Semi-regular variable star. Varies between mag 3.9 & 5.0 over 46.0 days.
χ Cygni	Cyg	19h 50.5m	+32° 55'	Pulsating red giant. Magnitude varies between 3.3 & 14.2 over 407 days.
M15	Peg	21h 30.0m	+12° 10'	Globular star cluster. Contain a planetary nebula (mag 14). 30,000 ly.
M39	Cyg	21h 32.3m	+48° 26'	Open star cluster. May be visible to the naked eye. Dist=900 ly.
M2	Aqr	21h 33.5m	-00° 49'	Globular star cluster.
μ Cephei	Cep	21h 43.5m	+58° 47'	Herschel's Garnet Star. One of the reddest stars.
M31	And	00h 42.7m	+41° 16'	Spiral galaxy. "Andromeda Galaxy". Naked eye visible. 2.5 million ly.
NGC 253	Scl	00h 46.7m	-25° 17'	Spiral Galaxy. Member of Sculptor Group.
Mira	Cet	02h 19.3m	-02° 59'	Long period variable star. Mag varies between 3.0 & 10.1 over 332 days.
NGC 869/884	Per	02h 20.0m	+57° 08'	Double open star cluster. The "Double Cluster". Dist=7,300 ly
M38	Aur	05h 28.7m	+35° 50'	Globular star cluster. Dist=4,300 ly.
Cr 69	Ori	05h 35.0m	+09° 56'	Lambda Orionis Cluster. Dist=1,630 ly.
M42	Ori	05h 35.3m	-05° 23'	Bright nebula. "Great Orion Nebula". Dist=1,300 ly.
M36	Aur	05h 36.1m	+34° 08'	Globular star cluster. Located in rich Milky Way star field. Dist=4,100 ly.
γ Leporis	Lep	05h 44.5m	-22° 27'	Double star. Gold & white stars. Mags 3.6 & 6.2. Dist=30 ly. Sep=96.3"
M37	Aur	05h 52.4m	+32° 33'	Globular star cluster. Dist=4,400 ly.
M35	Gem	06h 08.8m	+24° 20'	Open star cluster. Near foot of the twin Gemini. Dist=2,800 ly.
NGC 2232	Mon	06h 24.1m	-04° 43'	Open star cluster. Dist=1,300 ly.
NGC 2244	Mon	06h 29.7m	+04° 54'	Open star cluster. In the "Rosette Nebula". Dist=5,540 ly.
NGC 2264	Mon	06h 41.1m	+09° 53'	Open star cluster. "Christmas Tree Cluster".
M41	CMa	06h 47.0m	-20° 46'	Open star cluster. Dist=2,300 ly.
M50	Mon	07h 03.0m	-08° 21'	Open star cluster. Dist=3,000 ly.
M47	Pup	07h 36.6m	-14° 30'	Open star cluster.
M46	Pup	07h 41.8m	-14° 49'	Open star cluster.
M93	Pup	07h 44.6m	-23° 52'	Open star cluster.
M44	Cnc	08h 40.0m	+20° 00'	Open star cluster. "Praesepe" or "Beehive Cluster". Dist=590 ly.

Binocular Showpieces for February

Object	Con	RA	Dec	Notes
M39	Cyg	21h 32.3m	+48° 26'	Open star cluster. May be visible to the naked eye. Dist=900 ly.
μ Cephei	Cep	21h 43.5m	+58° 47'	Herschel's Garnet Star. One of the reddest stars.
M31	And	00h 42.7m	+41° 16'	Spiral galaxy. "Andromeda Galaxy". Naked eye visible. 2.5 million ly.
Mira	Cet	02h 19.3m	-02° 59'	Long period variable star. Mag varies between 3.0 & 10.1 over 332 days.
NGC 869/884	Per	02h 20.0m	+57° 08'	Double open star cluster. The "Double Cluster". Dist=7,300 ly
M38	Aur	05h 28.7m	+35° 50'	Globular star cluster. Dist=4,300 ly.
Cr 69	Ori	05h 35.0m	+09° 56'	Lambda Orionis Cluster. Dist=1,630 ly.
NGC 1973-7	Ori	05h 35.1m	-04° 44'	Emission & reflection nebula north of M42.
NGC 1981	Ori	05h 35.2m	-04° 26'	Open star cluster. Collinder 73.
M42	Ori	05h 35.3m	-05° 23'	Bright nebula. "Great Orion Nebula". Dist=1,300 ly.
M43	Ori	05h 35.6m	-05° 16'	Bright nebula on NNE edge of M42.
Cr 70	Ori	05h 36.0m	-01° 00'	Open star cluster.
M36	Aur	05h 36.1m	+34° 08'	Globular star cluster. Located in rich Milky Way star field. Dist=4,100 ly.
γ Leporis	Lep	05h 44.5m	-22° 27'	Double star. Gold & white stars. Mags 3.6 & 6.2. Dist=30 ly. Sep=96.3"
M37	Aur	05h 52.4m	+32° 33'	Globular star cluster. Dist=4,400 ly.
M35	Gem	06h 08.8m	+24° 20'	Open star cluster. Near foot of the twin Gemini. Dist=2,800 ly.
NGC 2232	Mon	06h 24.1m	-04° 43'	Open star cluster. Dist=1,300 ly.
NGC 2244	Mon	06h 29.7m	+04° 54'	Open star cluster. In the "Rosette Nebula". Dist=5,540 ly.
M41	CMa	06h 47.0m	-20° 46'	Open star cluster. Dist=2,300 ly.
M50	Mon	07h 03.0m	-08° 21'	Open star cluster. Dist=3,000 ly.
M47	Pup	07h 36.6m	-14° 30'	Open star cluster.
M46	Pup	07h 41.8m	-14° 49'	Open star cluster.
M48	Hya	08h 13.8m	-5° 48'	Open star cluster. 1,990 ly.
M44	Cnc	08h 40.0m	+20° 00'	Open star cluster. "Praesepe" or "Beehive Cluster". Dist=590 ly.
Mizar & Alcor	UMa	13h 25.1m	+54° 53'	Binoculars reveals 2 stars but not a true binary.

Binocular Showpieces for March

Object	Con	RA	Dec	Notes
M31	And	0h 42.7m	+41° 16'	Andromeda Galaxy. Most distant object visible to naked eye. 2.5 million ly.
NGC 869 & 884	Per	2h 20.0m	+57° 08'	Double open star cluster. 7,300 ly.
M45	Tau	3h 47.5m	+24° 07'	Pleiades. Open star cluster. Naked eye visible. 399 ly.
Hyades	Tau	4h 27.0m	+16° 00'	Open star cluster. Naked eye visible. 152 ly.
M38	Aur	5h 28.7m	+35° 50'	Open star cluster. 4,300 ly.
Cr 69	Ori	5h 35.0m	+9° 56'	Lambda Orionis Cluster. 1,630 ly.
M42	Ori	5h 35.3m	-5° 23'	The Great Orion Nebula. 1,300 ly.
M36	Aur	5h 36.3m	+34° 08'	Open star cluster. 4,100 ly.
γ Leporis	Lep	5h 45.0m	-22° 27'	Double star. Gold & white stars. 30 ly.
M37	Aur	5h 53.0m	+32° 33'	Open star cluster. 4,400 ly.
M35	Gem	6h 08.8m	+24° 20'	Open star cluster. 2,800 ly.
NGC 2232	Mon	6h 24.1m	-4° 43'	Open star cluster. 1,300 ly.
NGC 2244	Mon	6h 32.4m	+4° 52'	Open star cluster surrounded by the Rosette Nebula. 5,540 ly.
M41	CMa	6h 47.0m	-20° 46'	Open star cluster. 2,300 ly.
M50	Mon	7h 03.0m	-8° 21'	Open star cluster. 3,000 ly.
M47	Pup	7h 36.6m	-14° 29'	Open star cluster. 1,500 ly.
M46	Pup	7h 41.8m	-14° 49'	Open star cluster. 5,400 ly.
M48	Hya	8h 13.8m	-5° 48'	Open star cluster. 1,990 ly.
M44	Cnc	8h 40.0m	+20° 00'	Open star cluster. Praesepe or Beehive Cluster. Naked eye visible. 590 ly.
ι Cancri	Cnc	8h 47.5m	+28° 43'	Double star
M67	Cnc	8h 51.3m	+11° 48'	Open star cluster.
Mel 111	Com	12h 25.1m	+26° 07'	Open star cluster. Coma Cluster. Visible to the naked eye. 288 ly.
Mizar & Alcor	UMa	13h 25.1m	+54° 53'	Binoculars reveals 2 stars but not a true binary.
M3	CVn	13h 42.2m	+28° 23'	Globular star cluster.

Binocular Showpieces for April

Object	Con	RA	Dec	Notes
NGC 869 & 884	Per	2h 20.0m	+57° 08'	Double open star cluster. 7,300 ly.
M45	Tau	3h 47.5m	+24° 07'	Pleiades. Open star cluster. Naked eye visible. 399 ly.
Hyades	Tau	4h 27.0m	+16° 00'	Open star cluster. Naked eye visible. 152 ly.
M38	Aur	5h 28.7m	+35° 50'	Open star cluster. 4,300 ly.
Cr 69	Ori	5h 35.0m	+9° 56'	Lambda Orionis Cluster. 1,630 ly.
M36	Aur	5h 36.3m	+34° 08'	Open star cluster. 4,100 ly.
M37	Aur	5h 53.0m	+32° 33'	Open star cluster. 4,400 ly.
M35	Gem	6h 08.8m	+24° 20'	Open star cluster. 2,800 ly.
NGC 2232	Mon	6h 24.1m	-4° 43'	Open star cluster. 1,300 ly.
NGC 2244	Mon	6h 32.4m	+4° 52'	Open star cluster surrounded by the Rosette Nebula. 5,540 ly.
M50	Mon	7h 03.0m	-8° 21'	Open star cluster. 3,000 ly.
M47	Pup	7h 36.6m	-14° 29'	Open star cluster. 1,500 ly.
M46	Pup	7h 41.8m	-14° 49'	Open star cluster. 5,400 ly.
M48	Hya	8h 13.8m	-5° 48'	Open star cluster. 1,990 ly.
M44	Cnc	8h 40.0m	+20° 00'	Open star cluster. Praesepe or Beehive Cluster. Naked eye visible. 590 ly.
o Leonis	Leo	9h 41.9m	+9° 49.8'	Double star.
α Leonis	Leo	10h 09.1m	+11° 54'	Double star. Regulus.
ζ Leonis	Leo	10h 17.4m	+23° 21'	Double star.
81 Leonis	Leo	11h 26.3m	+16° 23'	Double star.
Mel 111	Com	12h 25.1m	+26° 07'	Open star cluster. Coma Cluster. Visible to the naked eye. 288 ly.
Mizar & Alcor	UMa	13h 25.1m	+54° 53'	Binoculars reveals 2 stars but not a true binary.
M3	CVn	13h 42.2m	+28° 23'	Globular star cluster.
M5	Ser	15h 18.5m	+2° 05'	Globular cluster. Telescope will reveal individual stars. Dist=25,000 ly.
M13	Her	16h 41.7m	+36° 38'	Globular cluster. Best in northern skies. Dist=23,000 ly.
ν Draconis	Dra	17h 32.5m	+55° 10'	Double star. Wide pair of white stars. Dist=100 ly.
M39	Cyg	21h 32.3m	+48° 26'	May be visible to the naked eye under good conditions. Dist=900 ly.

Binocular Showpieces for May

Object	Con	RA	Dec	Notes
M44	Cnc	8h 40.0m	+20° 00'	Open star cluster. Praesepe or Beehive Cluster. Naked eye visible. 590 ly.
Mel 111	Com	12h 25.1m	+26° 07'	Open star cluster. Coma Cluster. Visible to the naked eye. 288 ly.
7 CVn	CVn	12h 30.0m	+51° 32'	Triple star.
M63	CVn	13h 15.8m	+42° 02'	Spiral galaxy. Sunflower galaxy.
Mizar & Alcor	UMa	13h 25.1m	+54° 53'	Binoculars reveals 2 stars but not a true binary.
R Hydrae	Hya	13h 29.7m	-23° 17'	Long period variable. Varies between 3.0 & 11.0 mag over 390 days. Red.
M3	CVn	13h 42.2m	+28° 23'	Globular star cluster.
M5	Ser	15h 18.5m	+2° 05'	Globular star cluster. Dist=25,000 ly.
M4	Sco	16h 23.6m	-26° 31'	Globular star cluster. Dist=7,000 ly.
M13	Her	16h 41.7m	+36° 38'	Globular cluster. Best in northern skies. Dist=23,000 ly.
M12	Oph	16h 47.2m	-1° 57'	Globular cluster. Dist=18,000 ly.
M10	Oph	16h 57.2m	-4° 06'	Globular cluster. Dist=14,000 ly.
M92	Her	17h 17.1m	+43° 08'	Globular star cluster.
ν Draconis	Dra	17h 32.5m	+55° 10'	Double star. Wide pair of white stars. Dist=100 ly.
IC 4665	Oph	17h 46.2m	+5° 43'	Open star cluster.
NGC 6633	Oph	18h 27.3m	+6° 31'	Open star cluster.
ε Lyrae	Lyr	18h 44.8m	+39° 38'	Double double star.
R Lyrae	Lyr	18h 55.7m	+43° 58'	Semi-regular variable star. Varies between mag 3.9 & 5.0 over 46.0 days.
Cr 399	Vul	19h 26.2m	+20° 06'	Coathanger asterism or "Brocchi's Cluster". Not a true star cluster.
χ Cygni	Cyg	19h 50.5m	+32° 55'	Pulsating red giant. Magnitude varies between 3.3 & 14.2 over 407 days.
M39	Cyg	21h 32.3m	+48° 26'	May be visible to the naked eye under good conditions. Dist=900 ly.
μ Cephei	Cep	21h 43.5m	+58° 47'	Herschel's Garnet Star. One of the reddest stars.

Binocular Showpieces for June

Object	Con	RA	Dec	Notes
Mel 111	Com	12h 25.1m	+26° 07'	Open star cluster. Coma Cluster. Visible to the naked eye. 288 ly.
Mizar & Alcor	UMa	13h 25.1m	+54° 53'	Binoculars reveals 2 stars but not a true binary.
M3	CVn	13h 42.2m	+28° 23'	Globular star cluster.
M5	Ser	15h 18.5m	+2° 05'	Globular star cluster. Dist=25,000 ly.
M4	Sco	16h 23.6m	-26° 31'	Globular star cluster. Dist=7,000 ly.
M13	Her	16h 41.7m	+36° 38'	Globular cluster. Best in northern skies. Dist=23,000 ly.
M12	Oph	16h 47.2m	-1° 57'	Globular cluster. Dist=18,000 ly.
NGC 6231	Sco	16h 54.0m	-41° 48'	Open star cluster.
M10	Oph	16h 57.2m	-4° 06'	Globular cluster. Dist=14,000 ly.
M92	Her	17h 17.1m	+43° 08'	Globular star cluster.
LDN 1773	Sco	17h 21.0m	-27° 23'	Dark nebula. "Pipe Nebula".
ν Draconis	Dra	17h 32.5m	+55° 10'	Double star. Wide pair of white stars. Dist=100 ly.
M6	Sco	17h 40.0m	-32° 12'	Open star cluster. "Butterfly Cluster". Dist=1,960 ly.
IC 4665	Oph	17h 46.2m	+5° 43'	Open star cluster.
M7	Sco	17h 54.0m	-34° 49'	Open star cluster. Visible to the naked eye. Dist=780 ly.
M8	Sgr	18h 03.7m	-24° 23'	Bright nebula. "Lagoon Nebula". Dist=5,200 Ly.
NGC 6633	Oph	18h 27.3m	+6° 31'	Open star cluster.
M25	Sgr	18h 31.7m	-19° 14'	Bright cluster located about 6 deg N of "teapot's" Lid. Dist=1,900 ly.
M22	Sgr	18h 36.4m	-23° 54'	Globular star cluster. Telescope will show stars. Dist=10,000 Ly.
ε Lyrae	Lyr	18h 44.8m	+39° 38'	Famous double double star.
R Lyrae	Lyr	18h 55.7m	+43° 58'	Semi-regular variable star. Varies between mag 3.9 & 5.0 over 46.0 days.
Cr 399	Vul	19h 26.2m	+20° 06'	Coathanger asterism or "Broccoli's Cluster". Not a true star cluster.
χ Cygni	Cyg	19h 50.5m	+32° 55'	Pulsating red giant. Magnitude varies between 3.3 & 14.2 over 407 days.
η Aquilae	Aql	19h 53.2m	+1° 03'	Cepheid variable varies between mag 3.6 & 4.5 over 7.166 days.
M39	Cyg	21h 32.3m	+48° 26'	Open star cluster. May be visible to the naked eye. Dist=900 ly.
μ Cephei	Cep	21h 43.5m	+58° 47'	Herschel's Garnet Star. One of the reddest stars.

Binocular Showpieces for July

Object	Con	RA	Dec	Notes
Mel 111	Com	12h 25.1m	+26° 07'	Open star cluster. Coma Cluster. Visible to the naked eye. 288 ly.
Mizar & Alcor	UMa	13h 25.1m	+54° 53'	Binoculars reveals 2 stars but not a true binary.
M3	CVn	13h 42.2m	+28° 23'	Globular star cluster.
M5	Ser	15h 18.5m	+2° 05'	Globular star cluster. Dist=25,000 ly.
M4	Sco	16h 23.6m	-26° 31'	Globular star cluster. Dist=7,000 ly.
M13	Her	16h 41.7m	+36° 38'	Globular cluster. Best in northern skies. Dist=23,000 ly.
M12	Oph	16h 47.2m	-1° 57'	Globular cluster. Dist=18,000 ly.
M10	Oph	16h 57.2m	-4° 06'	Globular cluster. Dist=14,000 ly.
M92	Her	17h 17.1m	+43° 08'	Globular star cluster.
ν Draconis	Dra	17h 32.5m	+55° 10'	Double star. Wide pair of white stars. Dist=100 ly.
M6	Sco	17h 40.0m	-32° 12'	Open star cluster. "Butterfly Cluster". Dist=1,960 ly.
IC 4665	Oph	17h 46.2m	+5° 43'	Open star cluster.
M7	Sco	17h 54.0m	-34° 49'	Open star cluster. Visible to the naked eye. Dist=780 ly.
M8	Sgr	18h 03.7m	-24° 23'	Bright nebula. "Lagoon Nebula". Dist=5,200 Ly.
M24	Sgr	18h 16.5m	-18° 50'	Small Sagittarius Star Cloud.
NGC 6633	Oph	18h 27.3m	+6° 31'	Open star cluster.
M25	Sgr	18h 31.7m	-19° 14'	Bright cluster located about 6 deg N of "teapot's" Lid. Dist=1,900 ly.
M22	Sgr	18h 36.4m	-23° 54'	Globular star cluster. Telescope will show stars. Dist=10,000 Ly.
ε Lyrae	Lyr	18h 44.8m	+39° 38'	Famous double double star.
R Lyrae	Lyr	18h 55.7m	+43° 58'	Semi-regular variable star. Varies between mag 3.9 & 5.0 over 46.0 days.
Cr 399	Vul	19h 26.2m	+20° 06'	Coathanger asterism or "Brocchi's Cluster". Not a true star cluster.
χ Cygni	Cyg	19h 50.5m	+32° 55'	Pulsating red giant. Magnitude varies between 3.3 & 14.2 over 407 days.
η Aquilae	Aql	19h 53.2m	+1° 03'	Cepheid variable varies between mag 3.6 & 4.5 over 7.166 days.
M15	Peg	21h 30.0m	+12° 10'	Globular star cluster. Contain a planetary nebula (mag 14). 30,000 ly.
M39	Cyg	21h 32.3m	+48° 26'	Open star cluster. May be visible to the naked eye. Dist=900 ly.
μ Cephei	Cep	21h 43.5m	+58° 47'	Herschel's Garnet Star. One of the reddest stars.

Binocular Showpieces for August

Object	Con	RA	Dec	Notes
M31	And	00h 42.7m	+41° 16'	Spiral galaxy. "Andromeda Galaxy". Naked eye visible. 2.5 million ly.
Mizar & Alcor	UMa	13h 25.1m	+54° 53'	Binoculars reveals 2 stars but not a true binary.
M3	CVn	13h 42.2m	+28° 23'	Globular star cluster.
M5	Ser	15h 18.5m	+2° 05'	Globular star cluster. Dist=25,000 ly.
M4	Sco	16h 23.6m	-26° 31'	Globular star cluster. Dist=7,000 ly.
M13	Her	16h 41.7m	+36° 38'	Globular cluster. Best in northern skies. Dist=23,000 ly.
M12	Oph	16h 47.2m	-1° 57'	Globular cluster. Dist=18,000 ly.
M10	Oph	16h 57.2m	-4° 06'	Globular cluster. Dist=14,000 ly.
M92	Her	17h 17.1m	+43° 08'	Globular star cluster.
ν Draconis	Dra	17h 32.5m	+55° 10'	Double star. Wide pair of white stars. Dist=100 ly.
M6	Sco	17h 40.0m	-32° 12'	Open star cluster. "Butterfly Cluster". Dist=1,960 ly.
IC 4665	Oph	17h 46.2m	+5° 43'	Open star cluster.
M7	Sco	17h 54.0m	-34° 49'	Open star cluster. Visible to the naked eye. Dist=780 ly.
M8	Sgr	18h 03.7m	-24° 23'	Bright nebula. "Lagoon Nebula". Dist=5,200 Ly.
NGC 6633	Oph	18h 27.3m	+6° 31'	Open star cluster.
M25	Sgr	18h 31.7m	-19° 14'	Bright cluster located about 6 deg N of "teapot's" Lid. Dist=1,900 ly.
M22	Sgr	18h 36.4m	-23° 54'	Globular star cluster. Telescope will show stars. Dist=10,000 Ly.
ε Lyrae	Lyr	18h 44.8m	+39° 38'	Famous double double star.
R Lyrae	Lyr	18h 55.7m	+43° 58'	Semi-regular variable star. Varies between mag 3.9 & 5.0 over 46.0 days.
Cr 399	Vul	19h 26.2m	+20° 06'	Coathanger asterism or "Brocchi's Cluster". Not a true star cluster.
χ Cygni	Cyg	19h 50.5m	+32° 55'	Pulsating red giant. Magnitude varies between 3.3 & 14.2 over 407 days.
η Aquilae	Aql	19h 53.2m	+1° 03'	Cepheid variable varies between mag 3.6 & 4.5 over 7.166 days.
α Capricorni	Cap	20h 18.1m	-12° 33'	Double star.
β Capricorni	Cap	20h 21.0m	-14° 47'	Double star.
M29	Cyg	20h 23.9m	+38° 32'	Open star cluster.
M15	Peg	21h 30.0m	+12° 10'	Globular star cluster. Contain a planetary nebula (mag 14). 30,000 ly.
M39	Cyg	21h 32.3m	+48° 26'	Open star cluster. May be visible to the naked eye. Dist=900 ly.
M2	Aqr	21h 33.5m	-00° 49'	Globular star cluster.
μ Cephei	Cep	21h 43.5m	+58° 47'	Herschel's Garnet Star. One of the reddest stars.

Binocular Showpieces for September

Object	Con	RA	Dec	Notes
Mizar & Alcor	UMa	13h 25.1m	+54° 53'	Binoculars reveals 2 stars but not a true binary.
M3	CVn	13h 42.2m	+28° 23'	Globular star cluster.
M13	Her	16h 41.7m	+36° 38'	Globular cluster. Best in northern skies. Dist=23,000 ly.
M10	Oph	16h 57.2m	-4° 06'	Globular cluster. Dist=14,000 ly.
M92	Her	17h 17.1m	+43° 08'	Globular star cluster.
ν Draconis	Dra	17h 32.5m	+55° 10'	Double star. Wide pair of white stars. Dist=100 ly.
M6	Sco	17h 40.0m	-32° 12'	Open star cluster. "Butterfly Cluster". Dist=1,960 ly.
IC 4665	Oph	17h 46.2m	+5° 43'	Open star cluster.
M7	Sco	17h 54.0m	-34° 49'	Open star cluster. Visible to the naked eye. Dist=780 ly.
M8	Sgr	18h 03.7m	-24° 23'	Bright nebula. "Lagoon Nebula". Dist=5,200 Ly.
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M25	Sgr	18h 31.7m	-19° 14'	Bright cluster located about 6 deg N of "teapot's" Lid. Dist=1,900 ly.
M22	Sgr	18h 36.4m	-23° 54'	Globular star cluster. Telescope will show stars. Dist=10,000 Ly.
ε Lyrae	Lyr	18h 44.8m	+39° 38'	Famous double double star.
R Lyrae	Lyr	18h 55.7m	+43° 58'	Semi-regular variable star. Varies between mag 3.9 & 5.0 over 46.0 days.
Cr 399	Vul	19h 26.2m	+20° 06'	Coathanger asterism or "Brocchi's Cluster". Not a true star cluster.
χ Cygni	Cyg	19h 50.5m	+32° 55'	Pulsating red giant. Magnitude varies between 3.3 & 14.2 over 407 days.
η Aquilae	Aql	19h 53.2m	+1° 03'	Cepheid variable varies between mag 3.6 & 4.5 over 7.166 days.
M15	Peg	21h 30.0m	+12° 10'	Globular star cluster. Contain a planetary nebula (mag 14). 30,000 ly.
M39	Cyg	21h 32.3m	+48° 26'	Open star cluster. May be visible to the naked eye. Dist=900 ly.
M2	Aqr	21h 33.5m	-00° 49'	Globular star cluster.
μ Cephei	Cep	21h 43.5m	+58° 47'	Herschel's Garnet Star. One of the reddest stars.
44 Pegasi	Peg	22h 43.0m	+30° 13'	Double star.
M52	Cas	23h 24.2m	+61° 35'	Open star cluster.
M31	And	00h 42.7m	+41° 16'	Spiral galaxy. "Andromeda Galaxy". Naked eye visible. 2.5 million ly.
NGC 869/884	Per	02h 20.0m	+57° 08'	Double open star cluster. The "Double Cluster". Dist=7,300 ly
M34	Per	02h 42.0m	+42° 47'	Open star cluster.

Binocular Showpieces for October

Object	Con	RA	Dec	Notes
Mizar & Alcor	UMa	13h 25.1m	+54° 53'	Binoculars reveals 2 stars but not a true binary.
M13	Her	16h 41.7m	+36° 38'	Globular cluster. Best in northern skies. Dist=23,000 ly.
M12	Oph	16h 47.2m	-01° 57'	Globular star cluster. Close to the brighter M10. Dist=18,000 ly.
M10	Oph	16h 57.2m	-4° 06'	Globular cluster. Dist=14,000 ly.
M92	Her	17h 17.1m	+43° 08'	Globular star cluster.
ν Draconis	Dra	17h 32.5m	+55° 10'	Double star. Wide pair of white stars. Dist=100 ly.
IC 4665	Oph	17h 46.2m	+5° 43'	Open star cluster.
M8	Sgr	18h 03.7m	-24° 23'	Bright nebula. "Lagoon Nebula". Dist=5,200 Ly.
NGC 6633	Oph	18h 27.3m	+6° 31'	Open star cluster.
M25	Sgr	18h 31.7m	-19° 14'	Open star cluster. Dist=1,900 ly.
M22	Sgr	18h 36.4m	-23° 54'	Globular star cluster. Telescope will show stars. Dist=10,000 Ly.
ε Lyrae	Lyr	18h 44.8m	+39° 38'	Famous double double star.
R Lyrae	Lyr	18h 55.7m	+43° 58'	Semi-regular variable star. Varies between mag 3.9 & 5.0 over 46.0 days.
Cr 399	Vul	19h 26.2m	+20° 06'	Coathanger asterism or "Brocchi's Cluster". Not a true star cluster.
χ Cygni	Cyg	19h 50.5m	+32° 55'	Pulsating red giant. Magnitude varies between 3.3 & 14.2 over 407 days.
η Aquilae	Aql	19h 53.2m	+1° 03'	Cepheid variable varies between mag 3.6 & 4.5 over 7.166 days.
M15	Peg	21h 30.0m	+12° 10'	Globular star cluster. Contain a planetary nebula (mag 14). 30,000 ly.
M39	Cyg	21h 32.3m	+48° 26'	Open star cluster. May be visible to the naked eye. Dist=900 ly.
M2	Aqr	21h 33.5m	-00° 49'	Globular star cluster.
μ Cephei	Cep	21h 43.5m	+58° 47'	Herschel's Garnet Star. One of the reddest stars.
NGC 7788	Cas	23h 56.7m	+61° 44'	Open star cluster with NGC 7790.
NGC 7789	Cas	23h 57.0m	+57° 44'	Open star cluster.
NGC 7790	Cas	23h 58.4m	+61° 13'	Open star cluster with 7788
M31	And	00h 42.7m	+41° 16'	Spiral galaxy. "Andromeda Galaxy". Naked eye visible. 2.5 million ly.
ζ Ceti	Cet	01h 51.5m	-10° 20'	Double star.
γ Arietis	Ari	01h 53.5m	+19° 18'	Double star.
NGC 869/884	Per	02h 20.0m	+57° 08'	Double open star cluster. The "Double Cluster". Dist=7,300 ly
Melotte 15	Cas	02h 32.7m	+61° 27'	Open star cluster.

Binocular Showpieces for November

Object	Con	RA	Dec	Notes
Mizar & Alcor	UMa	13h 25.1m	+54° 53'	Binoculars reveals 2 stars but not a true binary.
M13	Her	16h 41.7m	+36° 38'	Globular cluster. Best in northern skies. Dist=23,000 ly.
M92	Her	17h 17.1m	+43° 08'	Globular star cluster.
ν Draconis	Dra	17h 32.5m	+55° 10'	Double star. Wide pair of white stars. Dist=100 ly.
IC 4665	Oph	17h 46.2m	+5° 43'	Open star cluster.
NGC 6633	Oph	18h 27.3m	+6° 31'	Open star cluster.
M25	Sgr	18h 31.7m	-19° 14'	Open star cluster. Dist=1,900 ly.
ε Lyrae	Lyr	18h 44.8m	+39° 38'	Famous double double star.
R Lyrae	Lyr	18h 55.7m	+43° 58'	Semi-regular variable star. Varies between mag 3.9 & 5.0 over 46.0 days.
Cr 399	Vul	19h 26.2m	+20° 06'	Coathanger asterism or "Brocchi's Cluster". Not a true star cluster.
χ Cygni	Cyg	19h 50.5m	+32° 55'	Pulsating red giant. Magnitude varies between 3.3 & 14.2 over 407 days.
η Aquilae	Aql	19h 53.2m	+1° 03'	Cepheid variable varies between mag 3.6 & 4.5 over 7.166 days.
M15	Peg	21h 30.0m	+12° 10'	Globular star cluster. Contain a planetary nebula (mag 14). 30,000 ly.
M39	Cyg	21h 32.3m	+48° 26'	Open star cluster. May be visible to the naked eye. Dist=900 ly.
M2	Aqr	21h 33.5m	-00° 49'	Globular star cluster.
μ Cephei	Cep	21h 43.5m	+58° 47'	Herschel's Garnet Star. One of the reddest stars.
M31	And	00h 42.7m	+41° 16'	Spiral galaxy. "Andromeda Galaxy". Naked eye visible. 2.5 million ly.
NGC 253	Scl	00h 46.7m	-25° 17'	Spiral Galaxy. Member of Sculptor Group.
Mira	Cet	02h 19.3m	-02° 59'	Long period variable star. Mag varies between 3.0 & 10.1 over 332 days.
NGC 869/884	Per	02h 20.0m	+57° 08'	Double open star cluster. The "Double Cluster". Dist=7,300 ly
M45	Tau	03h 47.0m	+24° 07'	Open star cluster. "The Pleiades"
Melotte 25	Tau	04h 27.0m	+16° 00'	Open star cluster. "The Hyades"
NGC 1647	Tau	04h 46.0m	+19° 04'	Open star cluster.
M38	Aur	05h 28.7m	+35° 50'	Globular star cluster. Dist=4,300 ly.
M36	Aur	05h 36.1m	+34° 08'	Globular star cluster. Located in rich Milky Way star field. Dist=4,100 ly.
M37	Aur	05h 52.4m	+32° 33'	Globular star cluster. Dist=4,400 ly.

Binocular Showpieces for December

Object	Con	RA	Dec	Notes
M92	Her	17h 17.1m	+43° 08'	Globular star cluster.
ν Draconis	Dra	17h 32.5m	+55° 10'	Double star. Wide pair of white stars. Dist=100 ly.
ε Lyrae	Lyr	18h 44.8m	+39° 38'	Famous double double star.
R Lyrae	Lyr	18h 55.7m	+43° 58'	Semi-regular variable star. Varies between mag 3.9 & 5.0 over 46.0 days.
Cr 399	Vul	19h 26.2m	+20° 06'	Coathanger asterism or "Brocchi's Cluster". Not a true star cluster.
χ Cygni	Cyg	19h 50.5m	+32° 55'	Pulsating red giant. Magnitude varies between 3.3 & 14.2 over 407 days.
η Aquilae	Aql	19h 53.2m	+1° 03'	Cepheid variable varies between mag 3.6 & 4.5 over 7.166 days.
M15	Peg	21h 30.0m	+12° 10'	Globular star cluster. Contain a planetary nebula (mag 14). 30,000 ly.
M39	Cyg	21h 32.3m	+48° 26'	Open star cluster. May be visible to the naked eye. Dist=900 ly.
M2	Aqr	21h 33.5m	-00° 49'	Globular star cluster.
μ Cephei	Cep	21h 43.5m	+58° 47'	Herschel's Garnet Star. One of the reddest stars.
M31	And	00h 42.7m	+41° 16'	Spiral galaxy. "Andromeda Galaxy". Naked eye visible. 2.5 million ly.
NGC 253	ScI	00h 46.7m	-25° 17'	Spiral Galaxy. Member of Sculptor Group.
Mira	Cet	02h 19.3m	-02° 59'	Long period variable star. Mag varies between 3.0 & 10.1 over 332 days.
NGC 869/884	Per	02h 20.0m	+57° 08'	Double open star cluster. The "Double Cluster". Dist=7,300 ly
M34	Per	02h 42.0m	+42° 47'	Open star cluster.
β Camelopardalis	Cam	05h 03.4m	+60° 27'	Double star.
11&12 Camelopardalis	Cam	05h 06.1m	+58° 58'	Double star.
M38	Aur	05h 28.7m	+35° 50'	Globular star cluster. Dist=4,300 ly.
Cr 69	Ori	05h 35.0m	+09° 56'	Lambda Orionis Cluster. Dist=1,630 ly.
M42	Ori	05h 35.3m	-05° 23'	Bright nebula. "Great Orion Nebula". Dist=1,300 ly.
M36	Aur	05h 36.1m	+34° 08'	Globular star cluster. Located in rich Milky Way star field. Dist=4,100 ly.
γ Leporis	Lep	05h 44.5m	-22° 27'	Double star.
M37	Aur	05h 52.4m	+32° 33'	Globular star cluster. Dist=4,400 ly.
M35	Gem	06h 08.8m	+24° 20'	Open star cluster. Near foot of the twin Gemini. Dist=2,800 ly.