

Binocular List

Although a telescope provides brighter and higher magnification views of deep-sky objects, binoculars offer several advantages. They provide a much wider field of view, which enhances the views of many objects and makes locating them easier. They are also much more portable and require little or no setup. Many objects in the list below are easily visible in binoculars of all sizes. You may notice many of these are also on other lists – this is intentional. You’ll find a whole different feel looking at something with a much wider field of view and use of both eyes. There is a sense of context – seeing where these objects sit relative to nearby objects. While you are encouraged to try them all - to receive the Binocular Observer pin you must observe and record at least 16 of the listed objects while you are here at OSP. As an added reference, each object’s page number in the popular Sky and Telescope Pocket Sky Atlas (PSA) is listed as well (or where it would be, if not actually included).

Since there are observers of many levels at OSP, this list contains simple to find/see objects, along with some more challenging ones, but with many more items than are needed for an award. This allows beginners to work at the list and earn an award, but provides additional binocular-oriented targets for more advanced observers looking for more of a challenge.

Go-to mounts are not permitted for the Binocular List award. You may get assistance in locating objects on star charts or in the sky, but you must locate them yourself with your binoculars. Looking through mounted binoculars, in which someone else has sighted the object for you, is not acceptable. Object sketches are highly recommended but they are not necessary if you provide a good description of each object and what you saw.

When finished, bring your record of observations to the Observing Program table next to the Information Tent to receive your pin. *Please check the information tent for updates on when the Observing Program table will be staffed, and where it is going to be for the next session. Typically it will be manned later in the afternoon.*

6/23/2024 v1.0

2024 Oregon Star Party Binocular Observing List

#	Type	Object	Con	RA	Dec	Mag	Size/ PSA	Split	Alternate Name/Comments
1	OC	M 23	Sgr	17h 57' 04.0"	-18° 59' 00.0"	6	29'	67	NGC 6494
2	OC	M 25	Sgr	18h 31' 47.0"	-19° 06' 59.0"	5.3	29'	67	IC 4725
3	OC	IC 4756	Ser	18h 39' 00.0"	05° 26' 59.0"	5	39'	65	Graff's Cluster
4	OC	NGC 6633	Oph	18h 27' 15.0"	06° 30' 00.0"	5	20'	65	Captain Hook Cluster, Cr 380, Mel 201
5	OC	IC 4665	Oph	17h 46' 18.0"	05° 43' 00.0"	4.5	1.2°	54	Collinder 349/Melotte 179
6	OC	M 11	Sct	18h 51' 05.0"	-06° 16' 00.0"	6.3	32'	67	Wild Duck Cluster
7	OC	NGC 7789	Cas	23h 57' 24.0"	56° 42' 00.0"	7.7	25'	3	Caroline's Rose
8	OC	NGC 129	Cas	00h 30' 00.0"	60° 13' 00.0"	7.3	19'	1	
9	OC	Cr 463	Cas	01h 45' 45.0"	71° 48' 00.0"	6.3	57'	1	Loch Ness Cluster
10	OC	NGC 663	Cas	01h 46' 09.0"	61° 14' 00.0"	7.8	14'	1	Caldwell 10
11	OC	NGC 752	And	01h 57' 41.0"	37° 47' 00.0"	6.5	1.2°	2	Caldwell 28
12	OC	Mel 15	Cas	02h 33' 24.0"	61° 26' 00.0"	6.5	1°	1	Cluster in Heart Nebula, IC 1805
13	OC	Mel 20 alpha persei	Per	03h 24' 19.0"	49° 51' 00.0"	2.3	5°	2	Alpha Persei Cluster (cluster around Mirfak)
14	OC	NGC 1342	Per	03h 31' 38.0"	37° 22' 00.0"	7.4	15'	2	Stingray Cluster
15	OC	NGC 1528	Per	04h 15' 23.0"	51° 12' 00.0"	6.8	16'	2	
16	OC	NGC 1582	Per	04h 31' 39.0"	43° 44' 00.0"	7	24'	12	
17	OC	NGC 1647	Tau	04h 45' 55.0"	19° 06' 00.0"	6.8	40'	15	
18	OC	NGC 1893	Aur	05h 22' 44.0"	33° 24' 00.0"	7.9	25'	14	
19	GC	M 4	Sco	16h 23' 35.2"	-26° 31' 32.0"	6.7	36'	56	Spider Globular Cluster, NGC 6121
20	GC	M 55	Sgr	19h 39' 59.7"	-30° 57' 53.0"	7	19'	66	Specter Cluster NGC 6809
21	GC	M 2	Aqr	21h 33' 27.0"	00° -49' 23.0"	7.1	16'	75	NGC 7089
22	EN	M 8 & M 20	Sgr Sgr	18h 03' 48.0" 18h 02' 36.0"	-24° 23' 00.0" -23° 02' 00.0"	6 6.3	90' 29'	67 69	Lagoon Nebula NGC 6523 Triffid Nebula NGC 6514
23	GX	M 81 & M 82	UMa UMa	09h 55' 33.2" 09h 55' 52.3"	69° 03' 55.0" 69° 40' 47.0"	7.8 8.9	22' 11'	31 31	Bode's Galaxy NGC 3031 Cigar Galaxy NGC 3034
24	GX	M 31/M 32/M 110	And	00h 42' 44.3"	41° 16' 08.0"	4.3	3°	3	Andromeda Galaxy and satellites NGC 224/221/205
25	GX	M 33	Tri	01h 33' 50.9"	30° 39' 35.0"	6.4	1°	2	Triangulum Galaxy NGC 598
26	P	Saturn	Aqr	23h 19' 40.7"	-06° 38' 06.0"	0.8	19"	76	Look for rings and a few of the brighter moons.
27	P	Jupiter	Tau	04h 52' 56.1"	21° 50' 40.0"	-2.1	36"	14	Up to four moons may be visible and bands on the planet Early morning - moving out of view during OSP next year.

Key:			
P	Planet	DP	Dwarf Planet
GX	Galaxy	SC	Star Cloud
GC	Globular Cluster	S	Star
OC	Open Cluster	DS	Double Star
PN	Planetary Nebula	MS	Multiple Star
EN	Emission Nebula	CS	Carbon Star
SN	Supernova Remnant	VS	Variable Star
DN	Dark Nebula	A	Asteroid
C	Comet	Ast	Asterism

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Locations J2000.0 + mag & size
From Starry Night 8.1.0.2050
8/2/2024 12:00:00 AM
(except as noted)