

Oregon Star Party Observing Award 2019 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. Most 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. To receive the Binocular Observer pin you must observe and record at least 18 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.

Many of the objects listed below are visible between civil twilight and midnight during the star party. All are visible before astronomical dawn. 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 a bonus but they are not necessary if you provide a good description of each object. When finished bring your record of observations to the Observing Program table next to the Information Tent to receive your pin.

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. (v1.3)*

#	Type	Object	Con	RA	Dec	Mag	Size/Split	PSA	Alternate Name/Comments
1	AST	Hyades	Tau	4h 26' 54"	15° 51' 59"	0.9	330'/5.5°	15	Caldwell 41, Mellotte 25
2	OC	Collinder 399	Vul	19h 26' 23.2"	20° 11' 3.3"	3.6	89'/1.5°	65	Coat Hanger
3	PN	M27	Vul	19h 59' 36.2"	22° 43' 8"	7.1	8'	62	Dumbell Nebula
4	OC	IC4665	Oph	17h 46' 18"	5° 43' 0"	4.5	72'/1.2°	54	Summer Beehive
5	Ast	Kemble's Cascade	Cam	3h 59' 5"	62° 52' 10"	4.0	180'/3°	11	
6	EN	NGC7000	Cyg	20h 58' 53"	44° 26' 3"	4.0	120'/2°	62	North America Nebula
7	OC	NGC884 & 869	Per	2h 22' 23"	57° 7' 0"	6.6	18'	2	Double Cluster
				2h 19' 0"	57° 7' 0"	5.7	18'		
8	OC	M7	Sco	17h 53' 51"	-34° 47' 0"	3.5	78'	69	Ptolemy's Cluster
9	GC	M13	Her	16h 41' 41.2"	36° 27' 35"	6.5	20'	52	Hercules Cluster
10	DS	Albireo	Cyg	19h 30' 43.2"	27° 57' 34"	3.0	35"	62	
11	GX	M31	And	0h 42' 44.3"	41° 16' 8"	4.3	180'	3	Andromeda Galaxy
12	GX	M33	Tri	1h 33' 50.9"	30° 39' 35"	6.4	60'	3	Triangulum Galaxy
13	OC	Stock 2	Cas	2h 14' 42.33"	59° 28' 52.2"	4.4	60'	2	
14	GC	M22	Sag	18h 36' 23.9"	-23° 54' 17"	6.1	32'	69	
15	SN	NGC6960	Cyg	20h 45' 42"	30° 43' 0"	5.0	72'	73	Veil - Witch's Broom (Western)
16	SN	NGC6992	cyg	20h 56' 24"	31° 43' 0"	5.0	60'	73	Veil - Bridal Veil (Eastern)
17	OC	M11	Scu	18h 51' 5"	-6° 16' 0"	6.3	32'	67	Wild Duck Cluster
18	EN	M8 & M20	Sag	18h 3' 48"	-24° 23' 0"	6.0	90'/1.5°	67	Paired: Lagoon Nebula & Triffid Nebula
				18h 2' 36"	-23° 2' 0"	6.3	29'		
19	SC	M24	Sag	18h 18' 48"	-18° 32' 59"	4.6	90'	67	Sagittarius Star Cloud
20	GX	M81 & M82	Uma	9h 55' 33.2"	69° 3' 55"	7.8	22'	31	Paired: Bode's Galaxy & Cigar Galaxy
				9h 55' 52.3"	69° 40' 47"	8.9	11'		
21	Ast	Cheshire Cat	Aur	5h 25' 22.1"	35° 25' 27"	-	120'/2°	12	
22	GC	M12	Oph	16h 47' 14.1"	-1° 56' 54"	7.5	16'	56	
23	GX	M101	Uma	14h 3' 12.6"	54° 20' 55"	8.4	24'	32	Pinwheel Galaxy
24	DN	Bernard 142 & 143	Aql	19h 39' 41"	10° 31' 0"	-	40'	64	Bernard's E Nebula
				19h 41' 7"	10° 54' 47"	-	26'		
		Key:							v1.3
	P	Planet	A	Asteroid					
	GX	Galaxy	SC	Star Cloud					
	GC	Globular Cluster	DS	Double Star					
	OC	Open Cluster	TS	Triple Star					
	PN	Planetary Nebula	QS	Quadruple Star					
	EN	Emission Nebula	CS	Carbon Star					
	SN	Supernova Remnant	C	Constellation					
	DN	Dark Nebula	Ast	Asterism					