

Oregon Star Party Observing Award 2018 Level 1 - Beginner List

The best way to enjoy the unique beauty of the dark skies at Oregon Star Party (OSP) is to view bright deep sky objects, colorful double stars, and planets through a telescope. The objects listed are easily visible in telescopes of any size. To receive the OSP Level 1 observer pin you must observe and record at least 20 of the objects listed below 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.

Most of the objects listed below are visible between sunset and midnight during the star party. All are visible before astronomical dawn. Go-to telescopes and image enhancers (photography) are not permitted for the OSP Level 1 award. You may get assistance in locating objects on star charts or in the sky, but you must locate them yourself with your telescope. Looking through a telescope, 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. *The Observing Program table will be staffed by volunteers 2-4 PM Thursday, 1-3 Friday & Saturday, 10-12 Sunday.*

#	Type	Object	Con	RA	Dec	Mag	PSA	Alternate Name/Comments
1	planet	Mars	Cap	20h 15' 48"	-26° 28' 29"	-2.6	66	
2	planet	Saturn	Sgr	18h 12' 13.9"	-22° 38' 25"	0.3	67	
3	planet	Jupiter	Lib	14h 49' 28.6"	-15° 18' 55"	-2	46	
4	GX	Whirlpool/M51	CVn	13h 29' 52.4"	47° 12' 44"	8	43	Whirlpool Galaxy
5	GX	Andromeda/M31	And	0h 43' 0.8"	41° 15' 41"	4.5	3	Andromeda Galaxy
6	GX	M33	Tri	1h 33' 52"	30° 38' 47"	7	4	Pinwheel Galaxy
7	GX	M81	UMa	9h 55' 33.8"	69° 4' 18"	8.5	31	Bode's Galaxy
8	GC	M82	UMa	9h 56' 7.9"	69° 41' 31"	9.5	31	Cigar Galaxy
9	GC	M13	Her	16h 41' 40.5"	36° 27' 46"	7	52	Hercules Cluster
10	GC	M15	Per	21h 29' 58.2"	12° 10' 4"	7.5	75	
11	GC	M22	Sgr	18h 36' 24.4"	-23° 53' 56"	6.5	69	
12	GC	M92	Her	17h 17' 9.4"	43° 7' 32"	7.5	52	
13	PN	M57	Lyr	18h 53' 35"	33° 1' 41"	9.5	63	Ring Nebula
14	Neb	Lagoon/M8	Sgr	18h 3' 48.2"	-24° 8' 20"	5	69	Lagoon Nebula
15	Neb	Trifid/M20	Sgr	18h 2' 29.3"	-22° 57' 20"	5	69	Trifid Nebula
16	PN	Dumbbell/M27	Vul	19h 59' 35.5"	22° 43' 7"	7.5	64	Dumbbell Nebula
17	Neb	Eagle/M16	Ser	18h 18' 49.4"	-13° 45' 51"	6.5	67	Eagle Nebula
18	OC	Double Clusters	Per	2h 18' 31.6"	57° 6' 40"	5.3/6.1	2	NGC 884, 869
19	OC	Wild Duck Cluster/M11	Scu	18h 51' 2.2"	-6° 15' 55"	7	67	Wild Duck Cluster
20	OC	ET Cluster	Cas	1h 19' 31.8"	58° 17' 11"	6.4	1	NGC 457
21	OC	M7/Ptolemy's Cluster	Sco	17h 53' 47.6"	-34° 46' 22"	3.5	69	
22	double star	Albireo	Cyg	19h 30' 43.2"	27° 57' 34"	3.3	62	
23	double star	Double Double	Lyr	18h 44' 20.3"	39° 40' 12"	4.7	63	ε1, ε2
24	double star	Rasalgethi	Her	17h 14' 38.8"	14° 23' 25"	2.8	54	
25	double star	Mizar and Alcor	Uma	13h 23' 55.6"	54° 55' 31"	2.2	32	

P: planet GX: galaxy GC: globular cluster OC: open cluster PN: planetary nebula EN: emission nebula SN: supernova remnant
DN: dark nebula A: Asteroid SC: star cloud DS/TS/QS: double/triple/quad star CS: carbon star C: constellation Ast: asterism