Oregon Star Party Observing Award 2017
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 25 objects from the list 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 ($5 cash). *The Observing Program table will be staffed by volunteers between 11:00 a.m. and 1:00 p.m. every day from Saturday, August 19 through Tuesday, August 22.*

#	Type	Object	Con	RA	Dec	Mag	PSA	Alternate Name\Comments
1	Ecl	Solar Eclipse	---	--	--	--	--	*Do not observe with the naked eye! Use a solar filter.*
2	Gal	M110	And	00h40m22	+41°41'09	8.9	3	NGC 205
3	Gal	M31	And	00h42m44	+41°16'07	4.3	3	Andromeda Galaxy
4	Open	NGC 457	Cas	01h19m35	+58°17'12	5.1	3	ET Cluster
5	Open	M34	Per	02h42m05	+42°45'42	5.8	2	NGC 1039
6	Open	M45	Tau	03h47m00	+24°07'00	1.5	15	Pleiades
7	Planet	Venus	Gem	07h38m51	+20°57'16	-3.9	24	Size 13"' (*coords for 19 Aug*)
8	Gal	M81	UMa	09h55m33	+69°03'56	7.8	31	Bode's Galaxy (NGC 3031)
9	Gal	M82	UMa	09h55m52	+69°40'47	9.0	31	Cigar Galaxy (NGC 3034)
10	Planet	Jupiter	Vir	13h14m22	-06°39'12	-1.8	47	Size 33" x 31" (*coords for 19 Aug*)
11	Gal	M101	UMa	14h03m12	+54°20'53	8.4	42	NGC 5457
12	Glob	M13	Her	16h41m41	+36°27'36	5.8	52	Keystone Cluster (NGC 6205)
13	Double	Rasalgethi	Her	17h14m38	+14°23'26	3.0	54	A = Alpha 1 Her / B = Alpha 2 Her
14	Planet	Saturn	Oph	17h20m59	-21°56'15	0.4	56	Size 40" x 16" (*coords for 19 Aug*)
15	Neb	M20	Sgr	18h02m22	-22°59'12	6.3	67	Trifid Nebula (Size 16' x 9')
16	Neb	M16	Ser	18h18m48	13°49'10	6.0	67	Eagle Nebula (Size 9' x 4')
17	Double	Epsilon 1 Lyr	Lyr	18h44m20	+39°40'14	4.6	63	A = Epsilon 1 Lyr / B = HR 7052
18	Open	M11	Scu	18h51m05	-06°16'12	6.1	67	Wild Duck Cluster
19	PNeb	M57	Lyr	18h53m35	+33°01'45"	9.4	63	Ring Nebula
20	Double	Albireo	Cyg	19h30m43	+27°57'35"	3.1	64	A = Beta 1 Cyg / B = Beta 2 Cyg
21	Glob	M71	Sag	19h53m46	+18°46'42	8.4	64	NGC 6838
22	Glob	M15	Peg	21h29m58	+12°10'00	6.3	75	NGC 7078
23	PNeb	NGC 7293	Aqu	22h29m38	-20°50'14	6.3	77	Helix Nebula
24	Planet	Neptune	Aqu	22h58m53	-07°31'49	7.8	76	Size 2.3" (*coords for 19 Aug*) - challenging!
25	Con	Delphinus	Del	20h42m	+11°40'		64	Sketch the constellation using at least 4 stars