

Oregon Star Party Observing Award 2019 Astrophotography List

Astrophotography is a specialized type of photography that entails recording images of astronomical objects and large areas of the night sky. The easiest way to capture the night sky is to use an ordinary DSLR camera with interchangeable lenses. Such equipment affords a wide field of view, making easy work of imaging constellations, meteors, the Milky Way, and much more.

This year we've added a few dimmer items to provide a challenges for a wider range of observers and equipment. You'll be surprised what you can get with a phone, point-and-shoot, or SLR. Others may want to test their skills and equipment on more challenging objects.

As with the other Observing Lists, astrophotographers will appreciate the opportunity to show off their creations. The Astrophotography Observing Award is a wonderful introduction to wide-field astrophotography, with opportunities to push your skills and equipment to the next level. To receive the award pin you must photograph at least 8 of the listed wide field regions or objects while you are at OSP.

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.*

Finally, with your permission, OSP would like to display the images on the website for everyone to see! (v1.3)

#	Type	Object	Con	RA	Dec	Mag	Size	PSA	Alternate Name/Comments
1	P	Jupiter	Oph	16h 52' 15.7"	-22° 5' 27"	-2.4	42"	56	Position on Aug 1/2
2	P	Saturn	Sag	19h 5' 56.5"	-22° 17' 25"	0.2	18"	67	Position on Aug 1/2
3	P	Neptune/Triton	Aqr	23h 17' 31.4"	-5° 42' 9"	7.8	2.3"	76	Neptune, challenge - include Triton
4	GX	M31	And	0h 42' 44.3"	41° 16' 8"	4.3	180'/3°	3	Andromeda Galaxy
5	GX	M33	Tri	1h 33' 52"	30° 38' 47"	6.35	60'/1°	4	Triangulum Galaxy
6	GX	M101	UMa	14h 3' 12.6"	54° 20' 55"	8.4	24"	53	Pinwheel Galaxy
7	GC	M22	SGr	18h 36' 23.9"	-23° 54' 17"	6.08	32'	67	
8	EN	M16	Ser	18h 18' 48"	-13° 46' 59"	6.4	35'	67	Eagle
		& M17	Sag	18h 20' 48"	-16° 11' 0"	6.0	46'	67	and Swan Nebulas
9	DS/QS	Epsilon Lyrae	Lyr	18h 44' 20.3"	39° 40' 14"	5.3	210"/3.5'	63	Pair of tight double stars
						6.1/5.4	2.1", 2.4"		Hi magnification needed to split main pair into pairs
10	SN	NGC6960	Cyg	20h 45' 42"	30° 43' 0"	5	72'/1.2°	62	Veil/Witches' Broom
11	PN	M57	Lyr	18h 53' 35.7"	33° 1' 48"	8.8	1.4'	63	Ring Nebula
12	OC	Pleiades	Tau	3h 47' 0"	24° 7' 0"	1.5	120'/2°	15	See if you can capture nebulosity
13	C	Sagittarius	Sgr					67	Try deep exposure - see what shows up
14		Polaris time exposure	UMi					-	Star Trails
15		Moon						-	For more of a challenge, try terminator areas, OR details from night side (Earthshine lit)
16		Zodiacal Light						-	East 1-2 hours before dawn
17		Gegenschein	Cap	20h 48'	-17° 53'		15-20°	66	Super Challenge, very deep, try at solar midnight (1 AM)
		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					