

Oregon Star Party Observing Award 2019 Beginner List

A great 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 Beginner List 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 Beginner List 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. *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 | EN | M16 | Ser | 18h 18' 48" | -13° 46' 59" | 6.4 | 35' | 67 | Eagle Nebula |
| 2 | EN | M17 | Sag | 18h 20' 48" | -16° 11' 0" | 6.0 | 46' | 67 | Swan Nebula |
| 3 | DS | Almach | And | 2h 3' 54" | 42° 19' 46" | 2.1 | 9.7" | 2 | Gamma Andromeda |
| 4 | EN | M8 | Sag | 18h 3' 48" | -24° 23' 0" | 6.0 | 90'/1.5° | 67 | Lagoon Nebula |
| 5 | EN | M27 | Vul | 19h 59' 36.2" | 22° 43' 8" | 7.1 | 8' | 62 | Dumbell Nebula |
| 6 | OC | M37 | Aur | 5h 52' 18" | 32° 33' 0" | 6.2 | 14' | 12 | |
| 7 | OC | NGC 884 & 869 | Per | 2h 22' 23" | 57° 7' 0" | 6.6 | 18' | 2 | Double Cluster, Caldwell 14 |
| | | | | | | 5.7 | 18' | | |
| 8 | GX | M101 | Uma | 14h 3' 12.6" | 54° 20' 55" | 8.4 | 24' | 32 | Pinwheel Galaxy |
| 9 | PN | M57 | Lyr | 18h 53' 35.7" | 33° 1' 48" | 8.8 | 1.4' | 63 | Ring Nebula |
| 10 | OC | NGC457 | Cas | 1h 19' 35" | 58° 17' 0" | 7.0 | 20' | 3 | E.T. Cluster, Caldwell 13 |
| 11 | OC | M11 | Sct | 18h 51' 5" | -6° 16' 0" | 6.3 | 32' | 67 | Wild Duck Cluster |
| 12 | GX | M51 | CVn | 13h 29' 52.7" | 47° 11' 43" | 8.6 | 14' | 32 | Whirlpool Galaxy |
| 13 | GC | M10 | Oph | 16h 57' 9" | -4° 6' 1" | 7.5 | 20' | 56 | |
| 14 | OC | M39 | Cyg | 21h 31' 48" | 48° 26' 0" | 4.7 | 29' | 62 | |
| 15 | GX | M81 | Uma | 9h 55' 33.2" | 69° 3' 55" | 7.8 | 22' | 31 | Bode's Galaxy |
| 16 | GX | M82 | Uma | 9h 55' 52.3" | 69° 40' 47" | 8.9 | 11' | 31 | Cigar Galaxy |
| 17 | DS | Izar | Boo | 14h 44' 59.1" | 27° 4' 27" | 2.3 | 2.9" | 44 | Epsilon Bootes |
| 18 | GC | M71 | Sag | 19h 53' 46.4" | 18° 46' 45" | 9.3 | 3.3' | 64 | Challenge Item |
| 19 | GC | M3 | CVn | 13h 42' 11.6" | 28° 22' 38" | 6.9 | 18' | 44 | |
| 20 | GX | M31 | And | 0h 42' 44.3" | 41° 16' 8" | 4.3 | 180' | 2 | Andromeda Galaxy |
| 21 | GC | M4 | Sco | 16h 23' 35.2" | -26° 31' 32" | 6.7 | 36' | 56 | |
| 22 | GC | M56 | Lyr | 19h 16' 35.5" | 30° 11' 0" | 9.1 | 8.8' | 63 | |
| 23 | GC | M92 | Her | 17h 17' 7.3" | 43° 8' 9" | 7.1 | 14' | 52 | |
| 24 | OC | M7 | Sco | 17h 53' 51" | -34° 47' 0" | 3.5 | 78' | 69 | |
| 25 | P | Jupiter | Oph | 16h 52' 15.7" | -22° 5' 27" | -2.4 | 42" | 56 | Position on Aug 1/2 |
| 26 | P | Saturn | Sag | 19h 5' 56.5" | -22° 17' 25" | 0.2 | 18" | 67 | Position on Aug 1/2 |

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|------|-------------------|-----|----------------|--|--|--|--|--|------|
| 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 | | | | | | |