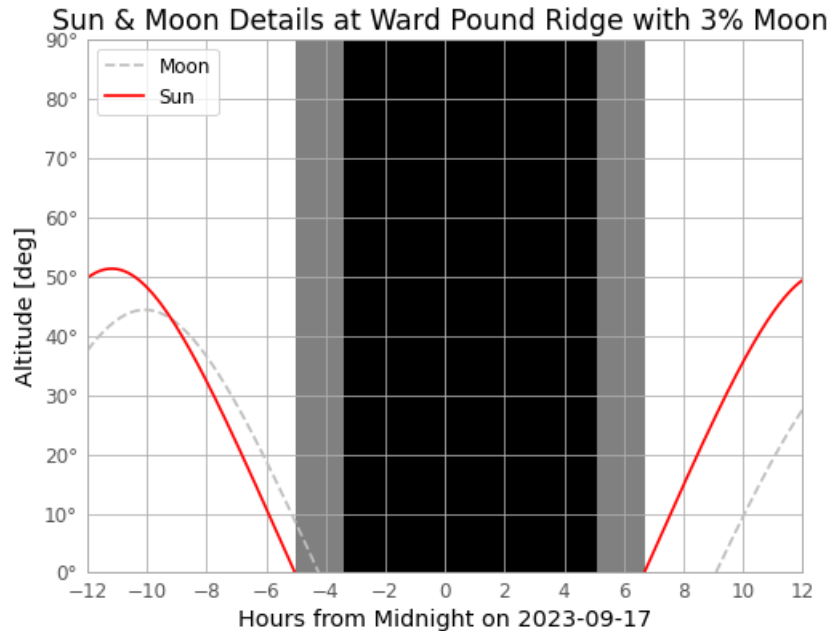


Viewing Information for Ward Pound Ridge On the evening of 2023-09-16 through the following morning



What is this page for?

The information on this page is intended to help you plan your observing session for the date shown at the top of this page by providing a list of objects which will be visible in the sky over the course of the evening. The information provided here is applicable to the location shown at the very top of this page.

How to read the chart to the left

- The time axis at the bottom of the chart presents midnight as 0.
- The red line indicates the sun's altitude over the course of the charted period. Sunset (left) and sunrise (right) occur at the two points where the red line touches the bottom of the chart.
- The grey shaded areas on the chart indicate twilight periods. These are the periods when the sun continues to illuminate sky after sunset or begins illuminating the sky before sunrise.
- The grey dashed line indicates the moon's altitude over the course of the charted period. The current amount of lunar illumination is displayed as a percentage above the chart, with 0% indicating new moon, and 100% indicating a full moon.
- Ideal conditions for observing deep sky objects will most commonly take place during the period indicated by the black portion of the chart and with as little moon as possible.

What is the table below for?

The table below displays a list of planets and Messier objects which will be above the horizon between sunset and sunrise.

Below Table Column Explanation

- **Rise Hour** indicates the earliest time at which the object may be observed. The earliest time indicated by the Rise Hour column will be sunset; this is because you (typically) won't be able to see the object earlier than sundown.
- **Set Hour** indicates the latest time at which the object may be observed. The latest time indicated by the Set Hour column will be sunrise; this is because you (typically) will no longer be able to see the object after sunrise.
- **Max Altitude** provides the time at which the object will be highest in the sky and how high it will be at that time.
- **Finder Chart** contains a link to a star map to help you know what stars are near the object.
- **Suggested Filter** contains information regarding the filter(s) we believe will help reveal the most detail for an object, but this can be rather subjective. Brighter objects typically do not require a filter. Fainter objects may be observed without a filter in ideal conditions, but the right filter can often bring out additional detail, especially when observing from light-polluted locations.

| Object | Type | Difficulty | Rise Hour | Set Hour | Max Altitude | Finder Chart | Suggested Filter |
|---------|---------------------------------|------------|-----------|----------|--------------|------------------------------|-----------------------------------------------------|
| Venus | Planet | | 6 | 6 | 26° @ 6 | | |
| Jupiter | Planet | | 23 | 6 | 63° @ 4 | | |
| Saturn | Planet | | 21 | 2 | 35° @ 23 | | |
| Uranus | Planet | | 0 | 6 | 66° @ 5 | | |
| Neptune | Planet | | 21 | 4 | 46° @ 1 | | |
| M1 | Supernova remnant | ● | 2 | 6 | 68° @ 6 | Finder Chart | UHC/DEEP-SKY (H-beta *not* recommended). |
| M2 | Globular cluster | ● | 19 | 2 | 47° @ 23 | Finder Chart | |
| M3 | Globular cluster | ● | 18 | 20 | 50° @ 18 | Finder Chart | |
| M4 | Globular cluster | ● | 18 | 18 | 21° @ 18 | Finder Chart | |
| M5 | Globular cluster | ● | 18 | 20 | 45° @ 18 | Finder Chart | |
| M8 | Nebula with cluster | ● | 18 | 21 | 24° @ 19 | Finder Chart | UHC/OIII |
| M9 | Globular cluster | ● | 18 | 21 | 29° @ 18 | Finder Chart | |
| M10 | Globular cluster | ● | 18 | 22 | 44° @ 18 | Finder Chart | |
| M11 | Open cluster | ● | 18 | 23 | 42° @ 20 | Finder Chart | |
| M12 | Globular cluster | ● | 18 | 22 | 46° @ 18 | Finder Chart | |
| M13 | Globular cluster | ● | 18 | 0 | 85° @ 18 | Finder Chart | |
| M14 | Globular cluster | ● | 18 | 22 | 45° @ 19 | Finder Chart | |
| M15 | Globular cluster | ● | 18 | 3 | 60° @ 23 | Finder Chart | |
| M16 | H ii region nebula with cluster | ● | 18 | 22 | 34° @ 19 | Finder Chart | UHC/OIII, but H-BETA hurts the view |
| M17 | H ii region nebula with cluster | ● | 18 | 22 | 32° @ 19 | Finder Chart | OIII/UHC (H-BETA not recommended) |
| M18 | Open cluster | ● | 18 | 22 | 31° @ 19 | Finder Chart | |
| M19 | Globular cluster | ● | 18 | 19 | 22° @ 18 | Finder Chart | |
| M20 | H ii region nebula with cluster | ● | 18 | 21 | 25° @ 19 | Finder Chart | UHC/H-BETA |
| M21 | Open cluster | ● | 18 | 21 | 26° @ 19 | Finder Chart | |
| M22 | Globular cluster | ● | 18 | 21 | 24° @ 20 | Finder Chart | |
| M23 | Open cluster | ● | 18 | 21 | 29° @ 19 | Finder Chart | |
| M24 | Milky way star cloud | ● | 18 | 22 | 29° @ 19 | Finder Chart | |
| M25 | Open cluster | ● | 18 | 22 | 29° @ 20 | Finder Chart | |
| M26 | Open cluster | ● | 18 | 23 | 39° @ 20 | Finder Chart | |
| M27 | Planetary nebula | ● | 18 | 2 | 71° @ 21 | Finder Chart | UHC (OIII also useful in showing some inner detail) |
| M28 | Globular cluster | ● | 18 | 21 | 23° @ 19 | Finder Chart | |
| M29 | Open cluster | ● | 18 | 4 | 84° @ 22 | Finder Chart | |

| | | | | | | | |
|-----|-----------------------------------------------|---|----|----|----------|------------------------------|-------------------------------------------|
| M30 | Globular cluster | ● | 21 | 0 | 25° @ 23 | Finder Chart | |
| M31 | Spiral galaxy | ● | 20 | 6 | 88° @ 2 | Finder Chart | |
| M32 | Dwarf elliptical galaxy | ● | 20 | 6 | 88° @ 2 | Finder Chart | |
| M33 | Spiral galaxy | ● | 21 | 6 | 79° @ 3 | Finder Chart | |
| M34 | Open cluster | ● | 22 | 6 | 88° @ 4 | Finder Chart | |
| M35 | Open cluster | ● | 2 | 6 | 66° @ 6 | Finder Chart | |
| M36 | Open cluster | ● | 1 | 6 | 78° @ 6 | Finder Chart | |
| M37 | Open cluster | ● | 1 | 6 | 74° @ 6 | Finder Chart | |
| M38 | Open cluster | ● | 1 | 6 | 80° @ 6 | Finder Chart | |
| M39 | Open cluster | ● | 18 | 5 | 82° @ 23 | Finder Chart | |
| M40 | Double star | ● | 18 | 6 | 46° @ 18 | Finder Chart | |
| M41 | Open cluster | ● | 6 | 6 | 22° @ 6 | Finder Chart | |
| M42 | H ii region nebula | ● | 3 | 6 | 42° @ 6 | Finder Chart | UHC/OIII (near-tie)* |
| M43 | H ii region nebula (part of the orion nebula) | ● | 3 | 6 | 42° @ 6 | Finder Chart | H-BETA (UHC and Deep-Sky also help) |
| M44 | Open cluster | ● | 5 | 6 | 36° @ 6 | Finder Chart | |
| M45 | Open cluster | ● | 0 | 6 | 72° @ 5 | Finder Chart | |
| M46 | Open cluster | ● | 6 | 6 | 21° @ 6 | Finder Chart | |
| M47 | Open cluster | ● | 6 | 6 | 22° @ 6 | Finder Chart | |
| M48 | Open cluster | ● | 6 | 6 | 23° @ 6 | Finder Chart | |
| M49 | Elliptical galaxy | ● | 18 | 18 | 24° @ 18 | Finder Chart | |
| M50 | Open cluster | ● | 5 | 6 | 31° @ 6 | Finder Chart | |
| M51 | Spiral galaxy | ● | 18 | 21 | 54° @ 18 | Finder Chart | |
| M52 | Open cluster | ● | 18 | 6 | 69° @ 1 | Finder Chart | |
| M53 | Globular cluster | ● | 18 | 19 | 39° @ 18 | Finder Chart | |
| M56 | Globular cluster | ● | 18 | 2 | 77° @ 20 | Finder Chart | |
| M57 | Planetary nebula | ● | 18 | 2 | 81° @ 20 | Finder Chart | UHC/OIII. UHC does improve it to a degree |
| M58 | Barred spiral galaxy | ● | 18 | 18 | 28° @ 18 | Finder Chart | |
| M59 | Elliptical galaxy | ● | 18 | 18 | 29° @ 18 | Finder Chart | |
| M60 | Elliptical galaxy | ● | 18 | 18 | 29° @ 18 | Finder Chart | |
| M61 | Spiral galaxy | ● | 18 | 18 | 20° @ 18 | Finder Chart | |
| M63 | Spiral galaxy | ● | 18 | 21 | 51° @ 18 | Finder Chart | |
| M64 | Spiral galaxy | ● | 18 | 19 | 38° @ 18 | Finder Chart | |
| M67 | Open cluster | ● | 6 | 6 | 29° @ 6 | Finder Chart | |
| M71 | Globular cluster | ● | 18 | 2 | 67° @ 21 | Finder Chart | |

| | | | | | | | |
|------|----------------------|---|----|----|----------|------------------------------|-------------------------------------|
| M72 | Globular cluster | ● | 19 | 1 | 36° @ 22 | Finder Chart | |
| M73 | Asterism | ● | 19 | 1 | 36° @ 22 | Finder Chart | |
| M74 | Spiral galaxy | ● | 22 | 6 | 64° @ 3 | Finder Chart | |
| M75 | Globular cluster | ● | 20 | 23 | 26° @ 21 | Finder Chart | |
| M76 | Planetary nebula | ● | 20 | 6 | 79° @ 3 | Finder Chart | UHC/OIII (H-BETA NOT recommended!) |
| M77 | Spiral galaxy | ● | 0 | 6 | 48° @ 4 | Finder Chart | |
| M78 | Diffuse nebula | ● | 3 | 6 | 46° @ 6 | Finder Chart | |
| M79 | Globular cluster | ● | 5 | 6 | 23° @ 6 | Finder Chart | |
| M80 | Globular cluster | ● | 18 | 19 | 25° @ 18 | Finder Chart | |
| M81 | Spiral galaxy | ● | 18 | 6 | 42° @ 6 | Finder Chart | |
| M82 | Starburst galaxy | ● | 18 | 6 | 42° @ 6 | Finder Chart | |
| M84 | Lenticular galaxy | ● | 18 | 18 | 26° @ 18 | Finder Chart | |
| M85 | Lenticular galaxy | ● | 18 | 18 | 30° @ 18 | Finder Chart | |
| M86 | Lenticular galaxy | ● | 18 | 18 | 27° @ 18 | Finder Chart | |
| M87 | Elliptical galaxy | ● | 18 | 18 | 27° @ 18 | Finder Chart | |
| M88 | Spiral galaxy | ● | 18 | 18 | 29° @ 18 | Finder Chart | |
| M89 | Elliptical galaxy | ● | 18 | 18 | 28° @ 18 | Finder Chart | |
| M90 | Spiral galaxy | ● | 18 | 18 | 29° @ 18 | Finder Chart | |
| M91 | Barred spiral galaxy | ● | 18 | 18 | 29° @ 18 | Finder Chart | |
| M92 | Globular cluster | ● | 18 | 1 | 84° @ 18 | Finder Chart | |
| M94 | Spiral galaxy | ● | 18 | 20 | 46° @ 18 | Finder Chart | |
| M97 | Planetary nebula | ● | 18 | 6 | 36° @ 18 | Finder Chart | OIII/UHC (H-beta *not* recommended) |
| M98 | Spiral galaxy | ● | 18 | 18 | 25° @ 18 | Finder Chart | |
| M99 | Spiral galaxy | ● | 18 | 18 | 26° @ 18 | Finder Chart | |
| M100 | Spiral galaxy | ● | 18 | 18 | 28° @ 18 | Finder Chart | |
| M101 | Spiral galaxy | ● | 18 | 22 | 60° @ 18 | Finder Chart | |
| M102 | Lenticular galaxy | ● | 18 | 0 | 68° @ 18 | Finder Chart | |
| M103 | Open cluster | ● | 19 | 6 | 70° @ 3 | Finder Chart | |
| M106 | Spiral galaxy | ● | 18 | 20 | 43° @ 18 | Finder Chart | |
| M107 | Globular cluster | ● | 18 | 20 | 35° @ 18 | Finder Chart | |
| M108 | Barred spiral galaxy | ● | 18 | 6 | 36° @ 18 | Finder Chart | |
| M109 | Barred spiral galaxy | ● | 18 | 6 | 41° @ 18 | Finder Chart | |