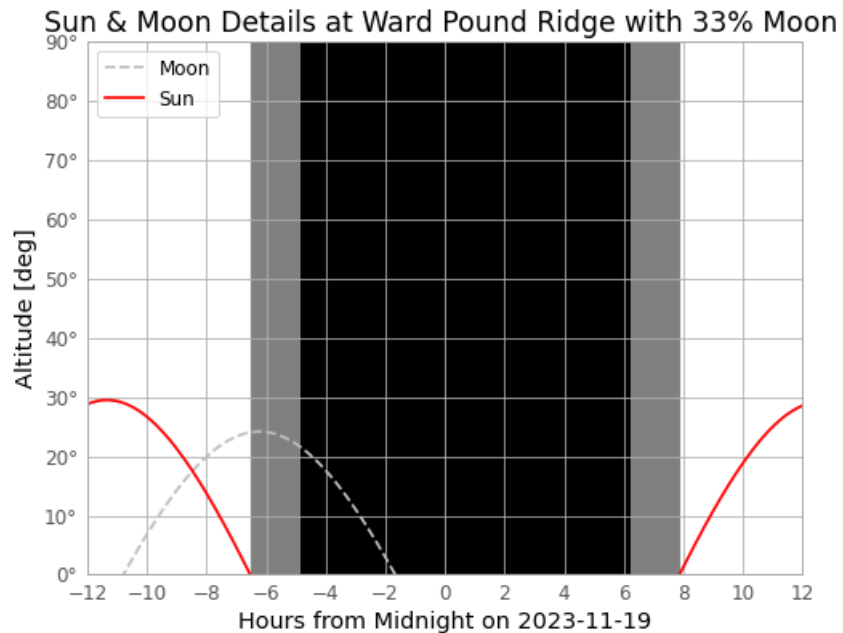


# Viewing Information for Ward Pound Ridge On the evening of 2023-11-18 through the following morning



## 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	21° @ 6		
Jupiter	Planet		19	4	61° @ 23		
Saturn	Planet		18	22	35° @ 19		
Uranus	Planet		20	5	66° @ 0		
Neptune	Planet		18	0	45° @ 21		
M1	Supernova remnant	●	22	6	70° @ 3	<a href="#">Finder Chart</a>	UHC/DEEP-SKY (H-beta *not* recommended).
M2	Globular cluster	●	18	22	47° @ 18	<a href="#">Finder Chart</a>	
M3	Globular cluster	●	5	6	31° @ 6	<a href="#">Finder Chart</a>	
M11	Open cluster	●	18	19	34° @ 18	<a href="#">Finder Chart</a>	
M13	Globular cluster	●	18	20	41° @ 18	<a href="#">Finder Chart</a>	
M14	Globular cluster	●	18	18	26° @ 18	<a href="#">Finder Chart</a>	
M15	Globular cluster	●	18	23	60° @ 18	<a href="#">Finder Chart</a>	
M16	H ii region nebula with cluster	●	18	18	24° @ 18	<a href="#">Finder Chart</a>	UHC/OIII, but H-BETA hurts the view
M17	H ii region nebula with cluster	●	18	18	22° @ 18	<a href="#">Finder Chart</a>	OIII/UHC (H-BETA not recommended)
M18	Open cluster	●	18	18	21° @ 18	<a href="#">Finder Chart</a>	
M25	Open cluster	●	18	18	21° @ 18	<a href="#">Finder Chart</a>	
M26	Open cluster	●	18	19	31° @ 18	<a href="#">Finder Chart</a>	
M27	Planetary nebula	●	18	22	68° @ 18	<a href="#">Finder Chart</a>	UHC (OIII also useful in showing some inner detail)
M29	Open cluster	●	18	23	83° @ 18	<a href="#">Finder Chart</a>	
M30	Globular cluster	●	18	20	25° @ 19	<a href="#">Finder Chart</a>	
M31	Spiral galaxy	●	18	4	87° @ 22	<a href="#">Finder Chart</a>	
M32	Dwarf elliptical galaxy	●	18	4	87° @ 22	<a href="#">Finder Chart</a>	
M33	Spiral galaxy	●	18	4	78° @ 23	<a href="#">Finder Chart</a>	
M34	Open cluster	●	18	6	86° @ 0	<a href="#">Finder Chart</a>	
M35	Open cluster	●	22	6	72° @ 3	<a href="#">Finder Chart</a>	
M36	Open cluster	●	21	6	81° @ 3	<a href="#">Finder Chart</a>	
M37	Open cluster	●	21	6	81° @ 3	<a href="#">Finder Chart</a>	
M38	Open cluster	●	21	6	82° @ 3	<a href="#">Finder Chart</a>	
M39	Open cluster	●	18	1	81° @ 19	<a href="#">Finder Chart</a>	
M40	Double star	●	2	6	53° @ 6	<a href="#">Finder Chart</a>	
M41	Open cluster	●	2	6	27° @ 3	<a href="#">Finder Chart</a>	
M42	H ii region nebula	●	23	6	43° @ 3	<a href="#">Finder Chart</a>	UHC/OIII (near-tie)*

M43	H ii region nebula (part of the orion nebula)	●	23	6	43° @ 3	<a href="#">Finder Chart</a>	H-BETA (UHC and Deep-Sky also help)
M44	Open cluster	●	1	6	67° @ 6	<a href="#">Finder Chart</a>	
M45	Open cluster	●	20	6	72° @ 1	<a href="#">Finder Chart</a>	
M46	Open cluster	●	2	6	33° @ 5	<a href="#">Finder Chart</a>	
M47	Open cluster	●	2	6	33° @ 4	<a href="#">Finder Chart</a>	
M48	Open cluster	●	2	6	42° @ 5	<a href="#">Finder Chart</a>	
M49	Elliptical galaxy	●	5	6	32° @ 6	<a href="#">Finder Chart</a>	
M50	Open cluster	●	1	6	40° @ 4	<a href="#">Finder Chart</a>	
M51	Spiral galaxy	●	4	6	42° @ 6	<a href="#">Finder Chart</a>	
M52	Open cluster	●	18	5	69° @ 20	<a href="#">Finder Chart</a>	
M53	Globular cluster	●	5	6	31° @ 6	<a href="#">Finder Chart</a>	
M56	Globular cluster	●	18	22	67° @ 18	<a href="#">Finder Chart</a>	
M57	Planetary nebula	●	18	22	64° @ 18	<a href="#">Finder Chart</a>	UHC/OIII. UHC does improve it to a degree
M58	Barred spiral galaxy	●	5	6	33° @ 6	<a href="#">Finder Chart</a>	
M59	Elliptical galaxy	●	5	6	32° @ 6	<a href="#">Finder Chart</a>	
M60	Elliptical galaxy	●	5	6	32° @ 6	<a href="#">Finder Chart</a>	
M61	Spiral galaxy	●	5	6	31° @ 6	<a href="#">Finder Chart</a>	
M63	Spiral galaxy	●	4	6	42° @ 6	<a href="#">Finder Chart</a>	
M64	Spiral galaxy	●	5	6	36° @ 6	<a href="#">Finder Chart</a>	
M65	Barred spiral galaxy	●	4	6	48° @ 6	<a href="#">Finder Chart</a>	
M66	Barred spiral galaxy	●	4	6	47° @ 6	<a href="#">Finder Chart</a>	
M67	Open cluster	●	1	6	60° @ 6	<a href="#">Finder Chart</a>	
M71	Globular cluster	●	18	22	64° @ 18	<a href="#">Finder Chart</a>	
M72	Globular cluster	●	18	21	36° @ 18	<a href="#">Finder Chart</a>	
M73	Asterism	●	18	21	36° @ 18	<a href="#">Finder Chart</a>	
M74	Spiral galaxy	●	18	3	64° @ 23	<a href="#">Finder Chart</a>	
M75	Globular cluster	●	18	19	25° @ 18	<a href="#">Finder Chart</a>	
M76	Planetary nebula	●	18	6	79° @ 23	<a href="#">Finder Chart</a>	UHC/OIII (H-BETA NOT recommended!)
M77	Spiral galaxy	●	20	3	48° @ 0	<a href="#">Finder Chart</a>	
M78	Diffuse nebula	●	23	6	48° @ 3	<a href="#">Finder Chart</a>	
M79	Globular cluster	●	1	4	23° @ 2	<a href="#">Finder Chart</a>	
M81	Spiral galaxy	●	18	6	61° @ 6	<a href="#">Finder Chart</a>	
M82	Starburst galaxy	●	18	6	60° @ 6	<a href="#">Finder Chart</a>	
M84	Lenticular galaxy	●	5	6	36° @ 6	<a href="#">Finder Chart</a>	
M85	Lenticular galaxy	●	5	6	40° @ 6	<a href="#">Finder Chart</a>	

M86	Lenticular galaxy	●	5	6	36° @ 6	<a href="#">Finder Chart</a>	
M87	Elliptical galaxy	●	5	6	35° @ 6	<a href="#">Finder Chart</a>	
M88	Spiral galaxy	●	5	6	36° @ 6	<a href="#">Finder Chart</a>	
M89	Elliptical galaxy	●	5	6	34° @ 6	<a href="#">Finder Chart</a>	
M90	Spiral galaxy	●	5	6	34° @ 6	<a href="#">Finder Chart</a>	
M91	Barred spiral galaxy	●	5	6	35° @ 6	<a href="#">Finder Chart</a>	
M92	Globular cluster	●	18	21	50° @ 18	<a href="#">Finder Chart</a>	
M93	Open cluster	●	3	6	24° @ 5	<a href="#">Finder Chart</a>	
M94	Spiral galaxy	●	4	6	46° @ 6	<a href="#">Finder Chart</a>	
M95	Barred spiral galaxy	●	3	6	52° @ 6	<a href="#">Finder Chart</a>	
M96	Spiral galaxy	●	3	6	51° @ 6	<a href="#">Finder Chart</a>	
M97	Planetary nebula	●	1	6	63° @ 6	<a href="#">Finder Chart</a>	OIII/UHC (H-beta *not* recommended)
M98	Spiral galaxy	●	5	6	40° @ 6	<a href="#">Finder Chart</a>	
M99	Spiral galaxy	●	5	6	38° @ 6	<a href="#">Finder Chart</a>	
M100	Spiral galaxy	●	5	6	39° @ 6	<a href="#">Finder Chart</a>	
M101	Spiral galaxy	●	18	6	39° @ 6	<a href="#">Finder Chart</a>	
M102	Lenticular galaxy	●	18	6	34° @ 18	<a href="#">Finder Chart</a>	
M103	Open cluster	●	18	6	70° @ 23	<a href="#">Finder Chart</a>	
M105	Elliptical galaxy	●	3	6	52° @ 6	<a href="#">Finder Chart</a>	
M106	Spiral galaxy	●	3	6	54° @ 6	<a href="#">Finder Chart</a>	
M108	Barred spiral galaxy	●	1	6	63° @ 6	<a href="#">Finder Chart</a>	
M109	Barred spiral galaxy	●	2	6	57° @ 6	<a href="#">Finder Chart</a>	

Finder Charts provided by <https://freestarcharts.com/>