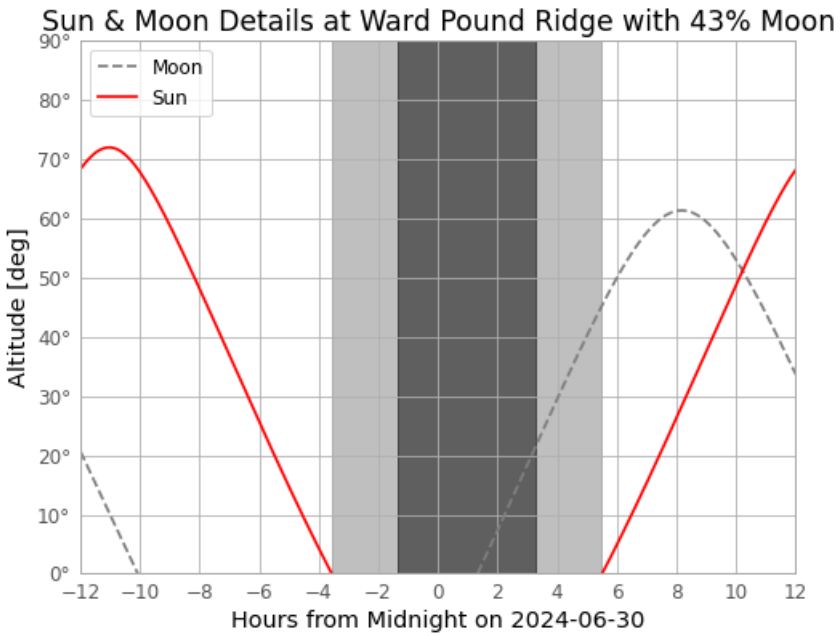
Viewing Information for Ward Pound Ridge On the evening of 2024-06-29 through the following morning



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
Mercury	Planet		18	19	39° @ 18		
Venus	Planet		18	19	31° @ 18		
Mars	Planet		5	6	41° @ 6		
Jupiter	Planet		6	6	27° @ 6		
Saturn	Planet		2	6	42° @ 6		
Uranus	Planet		5	6	36° @ 6		
Neptune	Planet		3	6	47° @ 6		
M2	Globular cluster	🟠	0	6	47° @ 4	Finder Chart	
M3	Globular cluster	🟢	18	1	76° @ 20	Finder Chart	
M4	Globular cluster	🟠	22	23	22° @ 23	Finder Chart	
M5	Globular cluster	🟢	18	1	50° @ 22	Finder Chart	
M8	Nebula with cluster	🟠	23	2	24° @ 0	Finder Chart	UHC/OIII
M9	Globular cluster	🔴	22	2	30° @ 0	Finder Chart	
M10	Globular cluster	🟠	20	3	44° @ 23	Finder Chart	
M11	Open cluster	🟢	22	4	42° @ 1	Finder Chart	
M12	Globular cluster	🟠	20	3	46° @ 23	Finder Chart	
M13	Globular cluster	🟢	18	5	85° @ 23	Finder Chart	
M14	Globular cluster	🟠	20	3	45° @ 0	Finder Chart	
M15	Globular cluster	🟠	23	6	60° @ 4	Finder Chart	
M16	H ii region nebula with cluster	🟠	22	3	34° @ 0	Finder Chart	UHC/OIII, but H-BETA hurts the view
M17	H ii region nebula with cluster	🟠	22	3	32° @ 1	Finder Chart	OIII/UHC (H-BETA not recommended)
M18	Open cluster	🔴	22	3	31° @ 1	Finder Chart	
M19	Globular cluster	🔴	23	0	22° @ 23	Finder Chart	
M20	H ii region nebula with cluster	🔴	23	2	25° @ 0	Finder Chart	UHC/H-BETA
M21	Open cluster	🔴	23	2	25° @ 0	Finder Chart	
M22	Globular cluster	🟢	0	2	24° @ 1	Finder Chart	
M23	Open cluster	🟠	22	2	29° @ 0	Finder Chart	
M24	Milky way star cloud	🔴	23	3	29° @ 0	Finder Chart	
M25	Open cluster	🟠	23	3	29° @ 1	Finder Chart	
M26	Open cluster	🔴	22	4	39° @ 1	Finder Chart	
M27	Planetary nebula	🟢	21	6	71° @ 2	Finder Chart	UHC (OIII also useful in showing some inner detail)
M28	Globular cluster	🟠	0	2	23° @ 0	Finder Chart	
M29	Open cluster	🟠	21	6	85° @ 3	Finder Chart	
M30	Globular cluster	🟠	3	5	25° @ 4	Finder Chart	

M31	Spiral galaxy	🟢	1	6	78° @ 6	Finder Chart	
M32	Dwarf elliptical galaxy	🟠	1	6	78° @ 6	Finder Chart	
M33	Spiral galaxy	🔴	2	6	64° @ 6	Finder Chart	
M34	Open cluster	🟠	3	6	56° @ 6	Finder Chart	
M35	Open cluster	🟢	18	18	21° @ 18	Finder Chart	
M36	Open cluster	🟠	18	6	22° @ 6	Finder Chart	
M37	Open cluster	🟢	18	18	23° @ 18	Finder Chart	
M38	Open cluster	🟠	18	6	24° @ 6	Finder Chart	
M39	Open cluster	🟠	21	6	82° @ 4	Finder Chart	
M40	Double star	🟠	18	2	73° @ 19	Finder Chart	
M44	Open cluster	🟠	18	20	46° @ 18	Finder Chart	
M45	Open cluster	🟢	5	6	36° @ 6	Finder Chart	
M48	Open cluster	🟠	18	18	23° @ 18	Finder Chart	
M49	Elliptical galaxy	🟠	18	23	56° @ 19	Finder Chart	
M51	Spiral galaxy	🟠	18	2	83° @ 20	Finder Chart	
M52	Open cluster	🟢	21	6	69° @ 6	Finder Chart	
M53	Globular cluster	🟠	18	0	66° @ 20	Finder Chart	
M56	Globular cluster	🔴	20	6	77° @ 2	Finder Chart	
M57	Planetary nebula	🟢	20	6	81° @ 1	Finder Chart	UHC/OIII. UHC does improve it to a degree
M58	Barred spiral galaxy	🔴	18	23	60° @ 19	Finder Chart	
M59	Elliptical galaxy	🟠	18	23	60° @ 19	Finder Chart	
M60	Elliptical galaxy	🟠	18	23	60° @ 19	Finder Chart	
M61	Spiral galaxy	🔴	18	23	52° @ 19	Finder Chart	
M63	Spiral galaxy	🟠	18	2	85° @ 20	Finder Chart	
M64	Spiral galaxy	🟠	18	0	69° @ 19	Finder Chart	
M65	Barred spiral galaxy	🟠	18	22	61° @ 18	Finder Chart	
M66	Barred spiral galaxy	🟠	18	22	61° @ 18	Finder Chart	
M67	Open cluster	🟢	18	20	43° @ 18	Finder Chart	
M68	Globular cluster	🔴	18	20	21° @ 19	Finder Chart	
M71	Globular cluster	🔴	21	6	67° @ 2	Finder Chart	
M72	Globular cluster	🔴	0	6	36° @ 3	Finder Chart	
M73	Asterism	🔴	1	6	36° @ 3	Finder Chart	
M74	Spiral galaxy	🔴	3	6	54° @ 6	Finder Chart	
M75	Globular cluster	🔴	1	4	26° @ 2	Finder Chart	
M76	Planetary nebula	🟠	1	6	66° @ 6	Finder Chart	UHC/OIII (H-BETA NOT recommended!)

M77	Spiral galaxy	🟠	5	6	31° @ 6	Finder Chart	
M80	Globular cluster	🟠	21	0	25° @ 22	Finder Chart	
M81	Spiral galaxy	🟠	18	6	59° @ 18	Finder Chart	
M82	Starburst galaxy	🟠	18	6	58° @ 18	Finder Chart	
M84	Lenticular galaxy	🟠	18	23	61° @ 19	Finder Chart	
M85	Lenticular galaxy	🟠	18	0	66° @ 19	Finder Chart	
M86	Lenticular galaxy	🟠	18	23	61° @ 19	Finder Chart	
M87	Elliptical galaxy	🟠	18	23	60° @ 19	Finder Chart	
M88	Spiral galaxy	🟠	18	23	62° @ 19	Finder Chart	
M89	Elliptical galaxy	🔴	18	23	61° @ 19	Finder Chart	
M90	Spiral galaxy	🔴	18	23	61° @ 19	Finder Chart	
M91	Barred spiral galaxy	🔴	18	23	63° @ 19	Finder Chart	
M92	Globular cluster	🟢	18	6	85° @ 0	Finder Chart	
M94	Spiral galaxy	🟠	18	1	87° @ 19	Finder Chart	
M95	Barred spiral galaxy	🔴	18	21	58° @ 18	Finder Chart	
M96	Spiral galaxy	🟠	18	22	58° @ 18	Finder Chart	
M97	Planetary nebula	🔴	18	1	75° @ 18	Finder Chart	OIII/UHC (H-beta *not* recommended)
M98	Spiral galaxy	🔴	18	23	62° @ 18	Finder Chart	
M99	Spiral galaxy	🔴	18	23	62° @ 19	Finder Chart	
M100	Spiral galaxy	🔴	18	23	64° @ 19	Finder Chart	
M101	Spiral galaxy	🔴	18	4	76° @ 20	Finder Chart	
M102	Lenticular galaxy	🟠	18	5	74° @ 21	Finder Chart	
M103	Open cluster	🟠	0	6	63° @ 6	Finder Chart	
M104	Spiral galaxy	🟠	18	22	36° @ 19	Finder Chart	
M105	Elliptical galaxy	🔴	18	22	59° @ 18	Finder Chart	
M106	Spiral galaxy	🟠	18	1	83° @ 19	Finder Chart	
M107	Globular cluster	🔴	20	2	35° @ 23	Finder Chart	
M108	Barred spiral galaxy	🔴	18	1	75° @ 18	Finder Chart	
M109	Barred spiral galaxy	🔴	18	1	77° @ 18	Finder Chart	

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