

Messier Winter Group Observing List, evening of 2019 Oct 26 at DARK SITE

Sunset 06:46p, Twilight ends 08:04p, Twilight begins 06:15a, Sunrise 07:33a, Moon rise 06:53a, Moon set 06:11p

Completely dark from 08:04p to 06:15a. New Moon. All times local (CDT).

Listing All Classes visible above 2 air mass and near maximum altitude and in twilight or moonlight.

The minimum visual difficulty is: visible (at any difficulty).

Primary ID	Alternate ID	Mag	SBr	Rise	Transit	Set	Begin	Optimum	End	S.A.	PSA	Difficulty	Optimum EP
M 52	NGC 7654	8.2		-	10:30p	-	07:53p	10:30p	01:53a	3	71	difficult	NexStar Plossl 40mm
M 110	NGC 205 8.9	22.6		03:40p	11:46p	07:52a	08:26p	11:46p	03:05a	4	3	detectable	NexStar Plossl 40mm
Andro.Gal.	M 31	4.3	22.5	03:45p	11:48p	07:52a	07:55p	11:48p	03:55a	4	3	easy	NexStar Plossl 40mm
M 32	NGC 221	8.9	21.3	03:46p	11:48p	07:50a	07:57p	11:49p	03:50a	4	3	detectable	NexStar Plossl 40mm
M 103	NGC 581	6.9		-	12:39a	-	07:49p	12:39a	06:00a	1	1	obvious	NexStar Plossl 40mm
Pinwheel Gal	M 33	6.4	22.9	05:17p	12:39a	08:01a	09:10p	12:40a	04:07a	4	2	detectable	NexStar Plossl 40mm
Little Dumbbell	M 76	10.1	20.9	03:39p	12:48a	09:57a	09:12p	12:49a	04:23a	4	2	detectable	NexStar Plossl 40mm
M 34	NGC 1039	5.8		05:37p	01:48a	09:59a	09:56p	01:48a	05:39a	4	2	detectable	Scientific 14mm/2.0
Pleiades	M 45	1.5		07:50p	02:52a	09:54a	10:27p	02:53a	06:33a	4	15	obvious	NexStar Plossl 40mm
M 79	NGC 1904	7.7		11:25p	04:29a	09:33a	02:37a	04:29a	06:20a	19	16	detectable	NexStar Plossl 40mm
M 38	NGC 1912	6.8		08:54p	04:34a	12:18p	12:53a	04:34a	06:33a	5	12	detectable	Panoptic 22mm 2.0x
Crab Nebula	M 1	8.4		09:43p	04:39a	11:35a	02:16a	04:39a	06:25a	5	14	challenging	NexStar Plossl 40mm
M 43	NGC 1982	9.0		10:49p	04:40a	10:31a	02:43a	04:40a	06:21a	11	16	challenging	NexStar Plossl 40mm
Orion Nebula	M 42	4.0		10:49p	04:40a	10:31a	01:39a	04:40a	06:32a	11	16	detectable	Scientific 14mm/2.0
M 36	NGC 1960	6.5		09:08p	04:41a	12:19p	12:19a	04:41a	06:36a	5	12	easy	NexStar Plossl 40mm
M 78	NGC 2068	8.0		10:48p	04:52a	10:55a	02:53a	04:52a	06:23a	11	14	challenging	NexStar Plossl 40mm
M 37	NGC 2099	6.2		09:29p	04:57a	12:29p	12:43a	04:57a	06:36a	5	12	easy	NexStar Plossl 40mm
M 35	NGC 2168	5.6		10:11p	05:14a	12:20p	01:20a	05:14a	06:35a	5	25	easy	Panoptic 22mm 2.0x
M 41	NGC 2287	5.0		12:36a	05:50a	11:05a	03:34a	05:50a	06:32a	19	27	easy	Scientific 14mm/2.0
M 50	NGC 2323	7.2		12:23a	06:07a	11:51a	03:20a	06:00a	06:33a	12	27	detectable	NexStar Plossl 40mm

M 47	NGC 2422	4.3	01:11a	06:41a	12:15p	03:51a	06:08a	06:36a	12	26	obvious	Pentax XW 10mm
M 46	NGC 2437	6.6	01:17a	06:46a	12:19p	04:08a	06:09a	06:32a	12	26	detectable	Pentax XW 10mm
M 93	NGC 2447	6.5	01:43a	06:49a	11:55a	04:53a	06:10a	06:34a	19	26	easy	NexStar Plossl 40mm