

Observations by Messier Objects

NGC 1952 Tau	M1		Nebula E	VB,VL,E135,VGLBM,R	M 1 Crab Nebula Supernova Rem
Mar 16 2012	18"	17mmAT	2012 M.M.		
Mar 01 2011	12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES		
Mar 08 2010	12"	26mm	M.M. 2010 MANUAL SETTING CIRCLES		
Dec 16 2009	12"	20mmUW			
Mar 20 2009	16"	26mm	MESSIER MARATHON - 2009		
Oct 29 2006	1.9"	12x50	F,PS,R,R=F		
Mar 26 2006	8"	19mmW	DIFF,F,L,R=F		
Mar 19 2006	8"	19mmW	B,L,R=G		
Mar 19 2004	8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS		
Dec 26 2003	8"	25mmPL	Q/M COLD		
NGC 7089 Aqr	M2		Globular	GCL,B,VL,GPMBM,RRR	M 2
Oct 09 2018	12"	8mm Et	B,L,R=G		
Oct 05 2016	12"	11mmT6	B,L,R=G		
Sep 02 2016	12"	8mm Et	VERY NICE. SQM-19.67		
Aug 15 2015	12"	8mm Ds	DITTO		
Aug 31 2010	12"	17mmAT	NIGHT ENDING EYE CANDY		
Oct 29 2008	16"	32mmUW	SAME,DIMMER, CAN'T RESOLVE INDIVIDUAL STARS		
Oct 21 2006	31"	20mmUW	VB,FL,STELLAR, RESOLVABLE		
Mar 27 2006	8"	19mmW	B,S,R=G, TIGHT GROUP		
Oct 31 2004	1.9"	12x50	R=F		
Jun 19 2004	8"	25mmPL	GOOD NIGHT - MEGASTAR		
NGC 5272 CVn	M3		Globular	GCL,EB,VL,VSMBM,*11.	M 3
Apr 20 2018	12"	11mmT6			
May 14 2017	12"	17mmT4	NICE OBJECT. FIRST GLOBULAR OF THE SEASON		
Aug 07 2016	12"	8mm Et	BRIGHT,SMALL,R=G		
May 30 2016	12"	8mm Et	B,L,R=G. VERY NICE		
May 23 2015	12"	8mm Ds	GOOD SHOW		
Sep 19 2014	12"	17mmAT	B,L,R=F, HOME - 8-14-14		
Mar 16 2012	18"	17mmAT	2012 M.M.		
Mar 01 2011	12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES		
Mar 08 2010	12"	26mm	M.M. 2010 MANUAL SETTING CIRCLES		
Mar 20 2009	16"	26mm	MESSIER MARATHON - 2009		
Jul 21 2007	1.9"	12x50	PB,S,R=G, SAME FOV AS C/2006-VZ13		
Mar 10 2007	1.9"	12x50	F,PS,R=F		
Mar 26 2006	8"	19mmW	PB,PL,R,HSB,R=G		
Apr 04 2005	8"	11mmT6	LARGE, BRIGHT & ROUND!!!		
Aug 14 2004	8"	11mmT6	LARGER THAN I THOUGHT		
Apr 05 2004	8"	25mmPL	FULLMOON - **MEGASTAR CONTROL**		
Mar 19 2004	8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS		
Mar 13 2004	8"	25mmPL	COMPUTER = ARGO NAVIS		

Observations by Messier Objects

NGC 6121 Sco	M4		Globular	CL,80R10B*LINE,RRR	M 4
Jul 02 2017	12"	17mmT4	WASHED OUT.	MOON NINE DAYS OLD.	
Aug 07 2016	12"	8mm Et	BRIGHT,	LARGE,R=E	
May 30 2016	12"	8mm Ds	F,L,R=G		
Jul 15 2015	12"	8mm Ds	EYE CANDY TO START		
May 23 2015	12"	11mmT6	EYE CANDY		
Sep 19 2014	12"	17mmAT	5-DAYS AFTER NEW - SIGHTSEEING,	HOME - 8/15/14	
Jul 13 2013	18"	7mm TV	MORE EYE CANDY		
Mar 16 2012	18"	17mmAT	2012 M.M.		
Jul 04 2011	12"	17mmT4	GOOD LOOKING		
Mar 01 2011	12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES		
Mar 08 2010	12"	11mmT6	M.M. 2010 MANUAL SETTING CIRCLES		
Aug 12 2006	1.9"	12x50	PF,VL,R,R=G		
Mar 27 2006	8"	19mmW	B,L,R=G,LOOSELY PACKED		
Aug 14 2004	8"	11mmT6			
May 22 2004	8"	25mmPL	DECENT NIGHT - MEGASTAR CONTROL		
May 16 2004	10"	28mm	CLEAR - MEGASTAR CONTROL		
NGC 5904 Ser	M5		Globular	GCL,VB,L,ECM,*11..15	M 5
Jul 02 2017	12"	17mmT4	CAN RESOLVE SOME STARS.		
May 30 2016	12"	8mm Ds	1ST OBJECT TONIGHT		
May 23 2015	12"	11mmT6			
Mar 16 2012	18"	17mmAT	2012 M.M.		
Mar 01 2011	12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES		
Mar 08 2010	12"	26mm	M.M. 2010 MANUAL SETTING CIRCLES		
Mar 20 2009	16"	26mm	MESSIER MARATHON - 2009		
Aug 16 2006	1.9"	12x50	B,S,R=G		
Mar 27 2006	8"	19mmW	B,L,R=G,DENSE, RESOLVE OUTER STARS		
May 04 2005	8"	11mmT6	VB,VL,R=E!!		
May 16 2004	10"	28mm	CLEAR - MEGASTAR CONTROL		
Mar 19 2004	8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS		
NGC 6405 Sco	M6		Open Cluster 5.5 II 3 r	CL,L,IR,LC,ST7,10...	M 6 Butterfly Cluster Cr 341
Jul 07 2018	12"	8mm Et	PB,L,R=E		
Jul 05 2016	12"	17mmAT	VERY NICE O.C. LP2 FILTER SHOWS SOME RELATED NEBULOSITY		
Sep 19 2014	12"	17mmAT	5-DAYS AFTER NEW - SIGHTSEEING,	HOME - 8/15/14	
Mar 16 2012	18"	17mmAT	2012 M.M.		
Mar 01 2011	12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES		
Mar 08 2010	12"	26mm	M.M. 2010 MANUAL SETTING CIRCLES		
Mar 20 2009	16"	26mm	MESSIER MARATHON - 2009		
Aug 16 2006	1.9"	12x50	VB,VL,R=G		
Mar 27 2006	8"	19mmW	F,S,R=F		
Jun 19 2004	8"	25mmPL	GOOD NIGHT - MEGASTAR		

Observations by Messier Objects

NGC 6475 Sco M7		Open Cluster 7.0 I 3 r CL,VB,PRI,LC,*7...12	M 7 Cr 354
Mar 16 2012	18"	17mmAT	2012 M.M.
Mar 01 2011	12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES
Mar 08 2010	12"	26mm	M.M. 2010 MANUAL SETTING CIRCLES
Mar 20 2009	16"	26mm	MESSIER MARATHON - 2009
Aug 16 2006	1.9"	12x50	VB,EL,R=E
Mar 27 2006	8"	19mmW	B,L,R=F
Jun 19 2004	8"	25mmPL	GOOD NIGHT - MEGASTAR
NGC 6523 Sgr M8		Nebula E VB,EL,EIF,W/LCL	M 8 Lagoon Nebula IC 1271 LBN
Jul 05 2016	12"	17mmAT	VERY NICE,R=E!,LP2 FILTER
Aug 21 2015	12"	17mmT4	
Mar 16 2012	18"	17mmAT	2012 M.M.
Mar 01 2011	12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES
Mar 08 2010	12"	26mm	M.M. 2010 MANUAL SETTING CIRCLES
Mar 20 2009	16"	26mm	MESSIER MARATHON - 2009
Aug 12 2006	1.9"	12x50	VB,VL,EXTENDED,R=E
Mar 27 2006	8"	19mmW	B,PL,R=G,MORE STARS
Aug 14 2004	8"	11mmT6	
Jun 14 2004	8"	25mmPL	SPOTTY CLOUDS - MEGASTAR CONTROL
NGC 6333 Oph M9		Globular GCL,B,L,R,ECM,RRR,	M 9
Jul 08 2018	12"	17mmT4	B,L,MR=E
Jul 01 2016	12"	7mm TV	F,S,R=G,RESOLVED OUTER STARS
Jul 15 2015	12"	17mmT4	
Mar 16 2012	18"	17mmAT	2012 M.M.
Jul 04 2011	12"	11mmT6	FINE OBJECT
Mar 01 2011	12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES
Mar 08 2010	12"	26mm	M.M. 2010 MANUAL SETTING CIRCLES
Mar 20 2009	16"	26mm	MESSIER MARATHON - 2009
Aug 16 2006	1.9"	12x50	PF,PS,R=F
Mar 27 2006	8"	19mmW	F,VL,R,R=F,
Jun 14 2004	8"	25mmPL	SPOTTY CLOUDS - MEGASTAR CONTROL
NGC 6254 Oph M10		Globular GCL,B,VL,R,GVMBM,RRR	M 10
Jul 08 2018	12"	17mmT4	B,S,R=E
Jul 02 2017	12"	17mmT4	NOT TOO BAD.
Aug 21 2015	12"	17mmT4	
Jul 15 2015	12"	17mmT4	
May 23 2012	18"	17mmAT	GLOBULAR CLUSTER EYE CANDY
Mar 16 2012	18"	17mmAT	2012 M.M.
Mar 01 2011	12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES
Mar 08 2010	12"	11mmT6	M.M. 2010 MANUAL SETTING CIRCLES
Mar 20 2009	16"	26mm	MESSIER MARATHON - 2009
Aug 12 2006	1.9"	12x50	PF,S,R,R=F
Jul 16 2006	8"	19mmW	PB,PL,R=G, OUTER STARS RESOLVED.
Mar 27 2006	8"	19mmW	B,L,R=G,LOOSELY PACKED
May 16 2004	10"	28mm	CLEAR - MEGASTAR CONTROL

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NGC 6705 Sct		M11	Open Cluster 11.0 2 rCL,VB,L,IR,RI,*9,	M 11 Wild Duck Cluster Cr 391
Jul 08 2018	12"	17mmT4	B,S,R=G. FULL OF STARS	
Jul 19 2017	12"	17mmT4	VERY NICE. FULL OF STARS. R=G	
Jul 15 2015	12"	17mmT4		
Mar 16 2012	18"	17mmAT	2012 M.M.	
Mar 01 2011	12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES	
Mar 08 2010	12"	26mm	M.M. 2010 MANUAL SETTING CIRCLES	
Aug 12 2006	1.9"	12x50	B,L,R=G	
Mar 27 2006	8"	19mmW	B,L,R=G	
Jun 14 2004	8"	25mmPL	SPOTTY CLOUDS - MEGASTAR CONTROL	
NGC 6218 Oph		M12	Globular GCL,VB,VL,IR,GMBM	M 12
Jul 08 2018	12"	17mmT4	B,S,R=E	
Jul 02 2017	12"	17mmT4	NOT AS BRIGHT AS M 10.	
Jul 15 2015	12"	17mmT4		
May 23 2012	18"	17mmAT	GLOBULAR CLUSTER EYE CANDY	
Mar 16 2012	18"	17mmAT	2012 M.M.	
Mar 01 2011	12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES	
Mar 08 2010	12"	11mmT6	M.M. 2010 MANUAL SETTING CIRCLES	
Mar 20 2009	16"	26mm	MESSIER MARATHON - 2009	
Aug 12 2006	1.9"	12x50	PF,S,R,R=F	
Mar 27 2006	8"	19mmW	B,L,R=G,LOOSELY PACKED	
May 04 2005	8"	11mmT6	MB,ML,R=E	
May 16 2004	10"	28mm	CLEAR - MEGASTAR CONTROL	
NGC 6205 Her		M13	Globular GCL,EB,VRI,VGECM,*11	M 13 Great Cluster in Hercules
Apr 20 2018	12"	11mmT6		
Jul 02 2017	12"	17mmT4	LOOKED PRETTY GOOD	
May 14 2017	12"	11mmT6	GREAT	
May 30 2016	12"	8mm Ds	B,L,R=E. OUTSTANDING	
May 30 2016	12"	8mm Et	ALWAYS GREAT	
Aug 21 2015	12"	17mmT4		
Jul 15 2015	12"	17mmT4		
Oct 24 2012	8"	11mmT6	VERY NICE - EVEN IN 8"	
Mar 16 2012	18"	17mmAT	2012 M.M.	
Mar 01 2011	12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES	
Mar 08 2010	12"	26mm	M.M. 2010 MANUAL SETTING CIRCLES	
Mar 20 2009	16"	26mm	MESSIER MARATHON - 2009	
Sep 07 2006	1.9"	12x50	DIFF,MB,L,R=G	
Mar 27 2006	8"	19mmW	B,L,R,R=G,DENSE,RESOLVE OUTER STARS	
Apr 08 2005	8"	11mmT6	VB,VL,ROUND,R=E!!!	
Oct 31 2004	1.9"	12x50	BEST GLOBULAR YET, R=VG	
Aug 14 2004	8"	11mmT6	CAN SEPARATE THE FRONT STARS	
Jun 19 2004	31"	17mmT4	***** AWESOME *****	
May 22 2004	8"	25mmPL	DECENT NIGHT - MEGASTAR CONTROL	
Mar 19 2004	8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS	
Nov 08 2003	8"	25mmPL	FIRST OBJECT @ WARREN RUPP OBSV.	

Observations by Messier Objects

NGC 6402 Oph M14		Globular	GCL,B,VL,R,ERI,VGMBM	M 14
Jul 15 2015	12"	17mmT4		
Mar 16 2012	18"	17mmAT	2012 M.M.	
Mar 01 2011	12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES	
Mar 08 2010	12"	11mmT6	M.M. 2010 MANUAL SETTING CIRCLES	
Mar 20 2009	16"	26mm	MESSIER MARATHON - 2009	
Aug 16 2006	1.9"	12x50	PF,PS,RF,BRIGHTER THAN 6366	
Mar 27 2006	8"	19mmW	F,L,R=F,TIGHT SMUDGE	
Jun 14 2004	8"	25mmPL	SPOTTY CLOUDS - MEGASTAR CONTROL	
NGC 7078 Peg M15		Globular	GCL,VB,VL,IR,VSMBM	M 15
Jul 08 2018	12"	17mmT4	PB,L,R=E	
Sep 02 2016	12"	17mmT4	NICE. 1ST OBJECT FOR THE NIGHT	
Aug 07 2016	12"	8mm Et	FAINT,SMALL,R=E. FIRST OBJECT IN PEGASUS THIS YEAR.	
Aug 21 2015	12"	17mmT4		
Aug 15 2015	12"	11mmT6		
Jul 15 2015	12"	17mmT4		
Sep 19 2014	12"	17mmAT	5-DAYS AFTER NEW - SIGHTSEEING, HOME - 8/15/14	
Jul 13 2013	18"	7mm TV	MORE EYE CANDY	
Mar 16 2012	18"	17mmAT	2012 M.M.	
Aug 31 2010	12"	17mmAT	NIGHT ENDING EYE CANDY	
Mar 08 2010	12"	26mm	M.M. 2010 MANUAL SETTING CIRCLES	
Sep 13 2009	12"	32mmUW	5TH OBJECT	
Oct 29 2008	16"	32mmUW	NICE, BRIGHT, CAN'T RESOLVE INDIVIDUAL STARS	
Oct 21 2006	31"	20mmUW	VB,VL,STELLAR,RESOLVABLE, F.L. 2, 20MM	
Aug 20 2006	1.9"	12x50	B,S,R=F	
Mar 27 2006	8"	19mmW	B,S,R=G, TIGHT GROUP	
Oct 31 2004	1.9"	12x50	R=G	
Jul 16 2004	8"	25mmPL	CLEAR - SEEING NOT TOO BAD	
Dec 28 2003	8"	25mmPL	Q/M COLD	
NGC 6611 Ser M16		Open Cluster 11.0 II 3 iCL,ATLEAST100* L\$S	M 16 Eagle Nebula Cr 375	
Jul 07 2018	12"	8mm Et	B,L,R=E. OIII FILTER	
Jul 19 2017	12"	17mmT4	LP2 FILTER HELPS A BIT	
Jul 23 2016	12"	8mm Et	USED LP2 & LP3. BETTER VIEW WITH LP3 (OIII).	
Aug 21 2015	12"	17mmT4		
Jul 15 2015	12"	17mmT4		
Mar 16 2012	18"	17mmAT	2012 M.M.	
Mar 01 2011	12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES	
Mar 08 2010	12"	26mm	M.M. 2010 MANUAL SETTING CIRCLES	
Sep 13 2009	12"	32mmUW	6TH OBJECT	
Mar 20 2009	16"	26mm	MESSIER MARATHON - 2009	
Aug 16 2006	1.9"	12x50	PB,PL,R=G	
Mar 27 2006	8"	19mmW	L,B,R=G	
Jun 14 2004	8"	25mmPL	SPOTTY CLOUDS - MEGASTAR CONTROL	

Observations by Messier Objects

NGC 6618 Sgr	M17	Nebula EN+OC	B,EL,EIF,2HOOKED	M 17 Omega Nebula SH2-45 LBN
Jul 08 2018	12"	17mmT4	B,L,R=E	
Jul 19 2017	12"	17mmT4	BETTER WITH 27 PANOPTIC	
Jul 19 2017	12"	27m PN	BEAUTIFUL WITH LP2 FILTER	
Aug 21 2015	12"	17mmT4		
Jul 13 2013	18"	7mm TV	THE SWAN - OIII FILTER	
Mar 16 2012	18"	17mmAT	2012 M.M.	
Mar 01 2011	12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES	
Mar 08 2010	12"	26mm	M.M. 2010 MANUAL SETTING CIRCLES	
Sep 13 2009	12"	32mmUW	7TH OBJECT	
Mar 20 2009	16"	26mm	MESSIER MARATHON - 2009	
Aug 16 2006	1.9"	12x50	PB,PL,R=F	
Mar 27 2006	8"	19mmW	L,B,R=G	
Jun 14 2004	8"	25mmPL	SPOTTY CLOUDS - MEGASTAR CONTROL	

NGC 6613 Sgr	M18	Open Cluster 8.7 II 3 pCL,P,VLC	M 18 Cr 376
Jul 08 2018	12"	17mmT4	B,S,R=G
Mar 16 2012	18"	17mmAT	2012 M.M.
Mar 01 2011	12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES
Mar 08 2010	12"	26mm	M.M. 2010 MANUAL SETTING CIRCLES
Aug 16 2006	1.9"	12x50	B,L,R=F
Mar 27 2006	8"	19mmW	R=F
Jun 14 2004	8"	25mmPL	SPOTTY CLOUDS - MEGASTAR CONTROL

NGC 6273 Oph	M19	Globular	GCL,VB,L,R,VCM,RRR	M 19
Jul 08 2018	12"	17mmT4	B,S,R=E	
Jul 02 2017	12"	17mmT4	SMUDGE. CANNOT RESOLVE ANY STARS	
May 30 2016	12"	8mm Ds	F,S,R=F. LOW ON HORIZON	
Mar 16 2012	18"	17mmAT	2012 M.M.	
Mar 01 2011	12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES	
Mar 08 2010	12"	11mmT6	M.M. 2010 MANUAL SETTING CIRCLES	
Mar 20 2009	16"	26mm	MESSIER MARATHON - 2009	
Aug 16 2006	1.9"	12x50	F,S,R=F	
Mar 27 2006	8"	19mmW	B,S,R=G, TIGHT GROUP	
May 16 2004	10"	28mm	CLEAR - MEGASTAR CONTROL	

NGC 6514 Sgr	M20	H41-4	Nebula EN+OC	VB,VL,TRIFID,D*INV	M 20 Trifid Nebula LBN 27
Jul 07 2018	12"	8mm Et	PB,R=E. USED OIII FILTER		
Jul 19 2017	12"	17mmT4	LP2 FILTER HELPS A BIT.		
Jul 19 2017	12"	27m PN	LOOKS MUCH BETTER WITH 27MM PANOPTIC.		
Jul 05 2016	12"	17mmAT	BEAUTIFUL,R=E!!, LP2 FILTER		
Aug 15 2015	12"	11mmT6			
Mar 16 2012	18"	17mmAT	2012 M.M.		
Mar 01 2011	12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES		
Mar 08 2010	12"	26mm	M.M. 2010 MANUAL SETTING CIRCLES		
Mar 20 2009	16"	26mm	MESSIER MARATHON - 2009		
Aug 12 2006	1.9"	12x50	VB,VL,R=E		
Mar 27 2006	8"	19mmW	B,L,FEW STARS,NEBULASITY OK,R=G		
Jun 14 2004	8"	25mmPL	SPOTTY CLOUDS - MEGASTAR CONTROL		

Observations by Messier Objects

NGC 6531 Sgr	M21	Open Cluster 8.0 I 3 r CL,PRI,LC,ST9...12	M 21 Cr 363
Jul 08 2018	12"	8mm Et B,R=G	
Jul 05 2016	12"	17mmAT NICE OPEN CLUSTER,R=G	
Mar 16 2012	18"	17mmAT 2012 M.M.	
Mar 01 2011	12"	17mmAT M.M. 2011 - MANUAL SETTING CIRCLES	
Mar 08 2010	12"	26mm M.M. 2010 MANUAL SETTING CIRCLES	
Mar 20 2009	16"	26mm MESSIER MARATHON - 2009	
Aug 12 2006	1.9"	12x50 B,S,R=F	
Mar 27 2006	8"	19mmW B,S,R=G	
Jun 14 2004	8"	25mmPL SPOTTY CLOUDS - MEGASTAR CONTROL	
NGC 6656 Sgr	M22	Globular GCL,VB,VL,R,VRI,VMC	M 22
Jul 05 2016	12"	8mm Et F,L,R=E!	
Jul 01 2016	12"	8mm Et PB,PL,R=E!!	
Mar 16 2012	18"	17mmAT 2012 M.M.	
Jul 04 2011	12"	11mmT6 FINE OBJECT	
Mar 01 2011	12"	17mmAT M.M. 2011 - MANUAL SETTING CIRCLES	
Mar 20 2009	16"	26mm MESSIER MARATHON - 2009	
Aug 12 2006	1.9"	12x50 PB,PL,R,R=F	
Mar 27 2006	8"	19mmW B,PL,R=G, RESOLVE OUTER STARS	
Jun 14 2004	8"	25mmPL SPOTTY CLOUDS - MEGASTAR CONTROL	
NGC 6494 Sgr	M23	Open Cluster 10.0 II 2 CL,B,VL,PRI,LC,*10..	M 23 Cr 356
Jul 08 2018	12"	8mm Et B,=RG	
Mar 16 2012	18"	17mmAT 2012 M.M.	
Mar 01 2011	12"	17mmAT M.M. 2011 - MANUAL SETTING CIRCLES	
Mar 08 2010	12"	26mm M.M. 2010 MANUAL SETTING CIRCLES	
Mar 20 2009	16"	26mm MESSIER MARATHON - 2009	
Aug 16 2006	1.9"	12x50 B,PL,R=G, RESOLVE OUTER STARS	
Aug 12 2006	1.9"	12x50 B,L,R=G	
Mar 27 2006	8"	19mmW L,R=F	
Jun 14 2004	8"	25mmPL SPOTTY CLOUDS - MEGASTAR CONTROL	
NGC 6603 Sgr	M24	Open Cluster 14.0 I 2 CL,VRI,VMC,R,M WAY	M 24
Mar 16 2012	18"	17mmAT 2012 M.M.	
Mar 16 2012	18"	17mmAT 2012 M.M.	
Mar 01 2011	12"	17mmAT M.M. 2011 - MANUAL SETTING CIRCLES	
Aug 16 2006	1.9"	12x50 B,PL,R=G	
Mar 27 2006	8"	19mmW R=F	
Jun 14 2004	8"	25mmPL SPOTTY CLOUDS - MEGASTAR CONTROL	
IC 4725 Sgr	M25	Open Cluster 8.0 I 3 m	M 25 Cr 382
Mar 16 2012	18"	17mmAT 2012 M.M.	
Mar 01 2011	12"	17mmAT M.M. 2011 - MANUAL SETTING CIRCLES	
Mar 08 2010	12"	26mm M.M. 2010 MANUAL SETTING CIRCLES	
Aug 12 2006	1.9"	12x50 B,L,R=G	
Mar 27 2006	8"	19mmW S,R=F	
Jun 14 2004	8"	25mmPL SPOTTY CLOUDS - MEGASTAR CONTROL	

Observations by Messier Objects

NGC 6694 Sct	M26	Open Cluster 11.0 II 3 CL,CL,PRI,PC,ST12.15	M 26 Cr 389
Jul 08 2018	12"	17mmT4	B,S,R=G
Mar 16 2012	18"	17mmAT	2012 M.M.
Mar 01 2011	12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES
Mar 08 2010	12"	26mm	M.M. 2010 MANUAL SETTING CIRCLES
Aug 16 2006	1.9"	12x50	PB,L,R=G
Mar 27 2006	8"	19mmW	F,S,R=F
Jun 14 2004	8"	25mmPL	SPOTTY CLOUDS - MEGASTAR CONTROL
NGC 6853 Vul	M27	Planetary Neb 3+2 VB,VL,BIN,IE,DUMBBEL	M 27 Dumbbell Nebula Henize 2-
Jul 08 2018	12"	17mmT4	B,L,R=E. NARROWBAND FILTER
Sep 02 2016	12"	8mm Et	VERY NICE WITH/WITHOUT OIII.
Aug 07 2016	12"	8mm Et	BRIGHT,LARGE,R=E. OUTSTANDING EVEN WITHOUT LP3.
Aug 21 2015	12"	8mm Ds	LP2 FILTER
Oct 21 2012	8"	11mmT6	B,L,R=G,SURPRISE UNDER THE STREETLIGHTS
Mar 16 2012	18"	17mmAT	2012 M.M.
Mar 01 2011	12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES
Aug 31 2010	12"	17mmAT	NIGHT ENDING EYE CANDY
Mar 08 2010	12"	26mm	M.M. 2010 MANUAL SETTING CIRCLES
Sep 13 2009	12"	32mmUW	1ST OBJECT WITH 12" SKYWATCHER & MANUAL SETTING CIRCLES
Mar 20 2009	16"	26mm	MESSIER MARATHON - 2009
Sep 01 2008	31"	17mmT4	VB,CL,R=E. NO CENTRAL STAR
Aug 12 2006	1.9"	12x50	F,S,R,R=F
Mar 27 2006	8"	19mmW	B,L,R=G, LONG
Aug 14 2004	8"	11mmT6	
Dec 26 2003	8"	25mmPL	Q/M COLD
NGC 6626 Sgr	M28	Globular GCL,VB,L,R,GECL,RRR	M 28
Jul 05 2016	12"	8mm Et	F,S,R=G
Mar 16 2012	18"	17mmAT	2012 M.M.
Mar 01 2011	12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES
Mar 08 2010	12"	26mm	M.M. 2010 MANUAL SETTING CIRCLES
Mar 20 2009	16"	26mm	MESSIER MARATHON - 2009
Aug 16 2006	1.9"	12x50	B,S,R=F
Mar 27 2006	8"	19mmW	F,FS,R,R=G, TIGHT GROUP
Jun 14 2004	8"	25mmPL	SPOTTY CLOUDS - MEGASTAR CONTROL
NGC 6913 Cyg	M29	Open Cluster 9.0 II 3 mCL,P,LC,STL\$\$	M 29 Cr 422
Jul 19 2017	12"	17mmT4	VERY NICE. R=G
Jul 01 2016	12"	35mm A	B,L,R=G
Mar 16 2012	18"	17mmAT	2012 M.M.
Mar 01 2011	12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES
Aug 31 2010	12"	17mmAT	NIGHT ENDING EYE CANDY
Mar 08 2010	12"	26mm	M.M. 2010 MANUAL SETTING CIRCLES
Mar 20 2009	16"	26mm	MESSIER MARATHON - 2009
Aug 16 2006	1.9"	12x50	B,S,R=F
Mar 27 2006	8"	19mmW	S,LOOSE,R=F
Jun 19 2004	8"	25mmPL	GOOD NIGHT - MEGASTAR

Observations by Messier Objects

NGC 7099 Cap	M30		Globular	GCL,B,L,LE,GPMBM	M 30
Aug 16 2006	1.9"	12x50	PF,S,R=F		
Aug 12 2005	8"	7.5mmW	B,L,R=G, RESOLVE OUTER STARS		
Jun 19 2004	8"	25mmPL	*** LAST MESSIER OBJECT ***		
NGC 224	And	M31	Galaxy SA(s)b	EEB,EL,VME,ANDROMEDA	17 M 31 Great Nebula in Andromeda
Jan 25 2018	12"	35mm A	NICE OBJECT		
Sep 02 2016	12"	35mm A	BEAUTIFUL		
Dec 05 2015	12"	17mmT4			
Sep 10 2015	36"	17mmT4	ALWAYS A TREAT		
Aug 21 2015	12"	35mm A	ANDROMEDA		
Oct 26 2014	12"	22mmAT	EYE CANDY		
Jul 13 2013	18"	35mm A	MORE EYE CANDY		
Oct 21 2012	8"	25mmPL	ALWAYS GREAT		
Mar 16 2012	18"	17mmAT	2012 M.M.		
Mar 01 2011	12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES		
Aug 31 2010	12"	22mmAT	NIGHT ENDING EYE CANDY		
Mar 08 2010	12"	32mmUW	M.M. 2010 MANUAL SETTING CIRCLES		
Dec 16 2009	12"	20mmUW			
Sep 13 2009	12"	32mmUW	4TH OBJECT		
Mar 20 2009	1.9"	12x50	MESSIER MARATHON - 2009		
Oct 29 2008	16"	20mmUW	SMALL,BRIGHT,R=E		
Oct 09 2007	8"	19mmW	VB,VL,OVAL,BNUC,VHISB,R=E		
Oct 29 2006	8"	19mmW	VB,VL,OVAL,MBNUC,VHISB,R=E		
Aug 20 2006	1.9"	12x50	VB,VL,OVAL,BNUC,HISB,R=E!!		
Mar 19 2006	8"	25mmPL	VB,VL,OVAL,BNUC,VHISB,R=E		
Oct 27 2004	1.9"	12x50	FIRST MESSIER IN BINOCULARS - VERY NICE		
Oct 27 2004	31"	31mmT5	VB,EL,EL,OVAL,HISB,R=E, LUNAR ECLIPSE		
Mar 19 2004	8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS		
Dec 26 2003	8"	25mmPL	Q/M COLD		

Observations by Messier Objects

NGC 221	And	M32	Galaxy cE2	VVB,L,R,PSMBMN	M 32 8ZW2 PGC 2555		
Jan 25 2018		12"	11mmT6	NICE OBJECT			
Sep 02 2016		12"	35mm A	SUPER			
Dec 05 2015		12"	17mmT4				
Aug 21 2015		12"	35mm A				
Oct 26 2014		12"	22mmAT	EYE CANDY			
Jul 13 2013		18"	35mm A	MORE EYE CANDY			
Oct 21 2012		8"	11mmT6	PB,LOOKED PRETTY GOOD			
Mar 16 2012		18"	17mmAT	2012 M.M.			
Mar 01 2011		12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES			
Aug 31 2010		12"	17mmAT	NIGHT ENDING EYE CANDY			
Mar 08 2010		12"	32mmUW	M.M. 2010 MANUAL SETTING CIRCLES			
Dec 16 2009		12"	20mmUW				
Mar 20 2009		1.9"	12x50	MESSIER MARATHON - 2009			
Oct 29 2008		16"	20mmUW	LARGE,BRIGHT,R=E			
Oct 29 2006		8"	19mmW	F,VS,OVAL,UB,NND,R=G			
Aug 20 2006		1.9"	12x50	B,S,OVAL,NND,R=F			
Mar 19 2006		8"	25mmPL	B,S,OVAL,OVAL,R,ND,R=F			
Oct 27 2004		31"	31mmT5	VB,ML,EL,HISB,R=E, LUNAR ECLIPSE			
Mar 19 2004		8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS			
Dec 26 2003		8"	25mmPL	Q/M COLD			
NGC 598	Tri	M33	H17-5	Galaxy SA(s)cd	EB,EL,R,VGBMN	6	M 33 Triangulum Galaxy UGC 63
Oct 09 2018		12"	35mm A	PB,VL,R=F, PRETTY DIFFUSE.			
Aug 21 2015		12"	35mm A				
Oct 26 2014		12"	22mmAT	EYE CANDY			
Oct 21 2012		8"	25mmPL	LARGE AND FAINT AS ALWAYS			
Mar 16 2012		18"	17mmAT	2012 M.M.			
Mar 01 2011		12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES			
Mar 08 2010		12"	32mmUW	M.M. 2010 MANUAL SETTING CIRCLES			
Mar 20 2009		1.9"	12x50	MESSIER MARATHON - 2009			
Oct 29 2008		16"	20mmUW	LARGE, DIFFUSE PATCH			
Mar 17 2007		8"	25mmPL	M.M. BETWEEN CLOUDS			
Mar 19 2006		8"	19mmW	DIFF,L,F,OVAL,NND,R=F			
Oct 31 2004		1.9"	12x50	VB,ML,EON,LSB,R=G			
Oct 27 2004		31"	31mmT5	VB,ML,OVAL,HISB,R=E, LUNAR ECLIPSE			
Mar 19 2004		8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS			
Dec 26 2003		8"	25mmPL	Q/M COLD			
NGC 1039	Per	M34		Open Cluster 9.0 II 3 r CL,B,VL,LC,SC ST9			M 34 Cr 31
Mar 16 2012		18"	17mmAT	2012 M.M.			
Mar 01 2011		12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES			
Mar 08 2010		12"	11mmT6	M.M. 2010 MANUAL SETTING CIRCLES			
Mar 20 2009		16"	26mm	MESSIER MARATHON - 2009			
Oct 29 2006		1.9"	12x50	B,L,R,R=G			
Mar 19 2006		8"	25mmPL	PB,PL,R=G. SCATTERED STARS			
Mar 19 2004		8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS			
Dec 26 2003		8"	25mmPL	Q/M COLD			

Observations by Messier Objects

NGC 2168 Gem M35		Open Cluster 8.0 III 3 rCL,VL,CRI,PC,ST9..16		M 35 Mel 41
Mar 16 2012	18"	17mmAT	2012 M.M.	
Mar 01 2011	12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES	
Mar 08 2010	12"	26mm	M.M. 2010 MANUAL SETTING CIRCLES	
Dec 16 2009	12"	20mmUW		
Mar 20 2009	16"	26mm	MESSIER MARATHON - 2009	
Dec 28 2006	1.9"	12x50	B,L,RESOLVE OUTER STARS,R=G	
Oct 02 2006	1.9"	12x50	VB,VL,R=E. VERY NICE CLUSTER.	
Mar 19 2006	8"	19mmW	PB,PL,R=G. LOTS OF STARS	
Apr 05 2004	8"	25mmPL	FULLMOON - **MEGASTAR CONTROL**	
Mar 19 2004	8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS	
Dec 26 2003	8"	25mmPL	Q/M COLD	

NGC 1960 Aur M36		Open Cluster 9.0 I 3 r CL,B,VL,VRI,CL,*9.11		M 36 Cr 71
Jan 25 2018	12"	11mmT6	HEATERS WORKED. EVERYTHING WORKED	
Mar 16 2012	18"	17mmAT	2012 M.M.	
Mar 01 2011	12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES	
Mar 08 2010	12"	26mm	M.M. 2010 MANUAL SETTING CIRCLES	
Dec 16 2009	12"	20mmUW		
Mar 20 2009	16"	26mm	MESSIER MARATHON - 2009	
Mar 17 2007	1.9"	12x50	M.M. BETWEEN CLOUDS	
Oct 29 2006	8"	19mmW	PB,PL,R,R=G	
Oct 02 2006	1.9"	12x50	PB,S, R=G, SMALLEST OF THREE	
Mar 19 2006	8"	25mmPL	B,ML,R=G. BETTER	
Mar 19 2004	8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS	
Dec 26 2003	8"	25mmPL	Q/M COLD	

NGC 2099 Aur M37		Open Cluster 11.0 I 2 rCL,RI,PCM,ST L\$\$		M 37 Cr 75
Jan 25 2018	12"	11mmT6	1ST LIGHT. 1ST OBJECT	
Jul 25 2017	12"	11mmT6	1ST LIGHT - 1ST OBJECT. ALL EYEPIECES CAME INTO FOCUS	
Mar 16 2012	18"	17mmAT	2012 M.M.	
Mar 01 2011	12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES	
Mar 08 2010	12"	26mm	M.M. 2010 MANUAL SETTING CIRCLES	
Dec 16 2009	12"	20mmUW		
Mar 20 2009	16"	26mm	MESSIER MARATHON - 2009	
Mar 17 2007	1.9"	12x50	M.M. BETWEEN CLOUDS	
Oct 29 2006	8"	19mmW	CB,CL,R,R=G	
Oct 02 2006	1.9"	12x50	PB,L,R=G, LARGEST OF THREE	
Mar 19 2006	8"	25mmPL	B,ML,R=E. TIGHTER GROUP. BEST OF 3	
Apr 05 2004	8"	25mmPL	FULLMOON - **MEGASTAR CONTROL**	
Mar 19 2004	8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS	
Feb 28 2004	8"	25mmPL	COMPTER = ARGO NAVIS	
Dec 26 2003	8"	25mmPL	Q/M COLD	

Observations by Messier Objects

NGC 1912 Aur M38		Open Cluster 8.0 II 2 r CL,B,VL,VRI,IF,STL\$\$		M 38 Cr 67
Jan 25 2018	12"	11mmT6	NICE OBJECT	
Mar 16 2012	18"	17mmAT	2012 M.M.	
Mar 01 2011	12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES	
Mar 08 2010	12"	26mm	M.M. 2010 MANUAL SETTING CIRCLES	
Dec 16 2009	12"	20mmUW		
Mar 20 2009	16"	26mm	MESSIER MARATHON - 2009	
Mar 17 2007	1.9"	12x50	M.M. BETWEEN CLOUDS	
Oct 29 2006	8"	19mmW	B,PL,R,R=G	
Oct 02 2006	1.9"	12x50	PB,S, R=G	
Mar 19 2006	8"	25mmPL	B,L,R=G	
Mar 19 2004	8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS	
Dec 26 2003	8"	25mmPL	Q/M COLD	
NGC 7092 Cyg M39		Open Cluster 7.0 III 2 CL,VL,VP,VLC,*7...10		M 39 Cr 438
Jul 19 2017	12"	17mmT4	LARGER THAN M29	
Jul 01 2016	12"	35mm A	B,S,R=G	
Aug 21 2015	12"	17mmT4		
Mar 16 2012	18"	17mmAT	2012 M.M.	
Mar 01 2011	12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES	
Mar 08 2010	12"	26mm	M.M. 2010 MANUAL SETTING CIRCLES	
Mar 20 2009	16"	26mm	MESSIER MARATHON - 2009	
Aug 16 2006	1.9"	12x50	B,S,R=F	
Mar 27 2006	8"	19mmW	S,LOOSE,R=F	
Jun 19 2004	8"	25mmPL	GOOD NIGHT - MEGASTAR	
WINN4 UMa M40		Unknown STAR		M 40 WINNECKE 4 KUG 2357+22
Mar 16 2012	18"	17mmAT	2012 M.M.	
Mar 01 2011	12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES	
Mar 08 2010	12"	11mmT6	M.M. 2010 MANUAL SETTING CIRCLES	
Mar 20 2009	16"	26mm	MESSIER MARATHON - 2009	
Aug 20 2006	1.9"	12x50	2-STARS	
Mar 19 2006	8"	19mmW	R=F	
Mar 19 2004	8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS	
Dec 30 2003	8"	25mmPL	H/M COLD	
NGC 2287 CMa M41		Open Cluster 8.0 I 3 r CL,VL,B,LC,ST 8...		M 41 Cr 118
Jan 02 2016	1.9"	12x50	SOFT PATCH OF STARS ABOUT 4 DEGREES WEST OF 3-STAR ASTERISM.	
Mar 16 2012	18"	17mmAT	2012 M.M.	
Mar 01 2011	12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES	
Mar 08 2010	12"	26mm	M.M. 2010 MANUAL SETTING CIRCLES	
Mar 20 2009	16"	26mm	MESSIER MARATHON - 2009	
Mar 10 2007	1.9"	12x50	VB,VL,NND,R=G, RESOLVE 12+	
Mar 19 2006	8"	25mmPL	B,L,R=G	
Mar 19 2004	8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS	
Mar 13 2004	8"	25mmPL	COMPUTER = ARGO NAVIS	
Dec 30 2003	8"	25mmPL	H/M COLD.	

Observations by Messier Objects

NGC 1976 Ori	M42	Nebula EN+RN	THETAORI \$GREAT NEB	M 42 Orion Nebula LBN 974	
Apr 20 2018	12"	11mmT6			
Jan 25 2018	12"	11mmT6	NICE OBJECT		
Mar 16 2012	18"	17mmAT	2012 M.M.		
Feb 17 2012	18"	17mmAT	FIRST OBJECT WITH 18" F/4.5 ASTROSYSTEMS		
Mar 01 2011	12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES		
Mar 08 2010	12"	26mm	M.M. 2010 MANUAL SETTING CIRCLES		
Dec 16 2009	12"	20mmUW			
Mar 20 2009	16"	26mm	MESSIER MARATHON - 2009		
Dec 28 2008	31"	17mmT4	VB,VL,R=E, TRAP=6 STARS		
Mar 17 2007	1.9"	12x50	M.M. BETWEEN CLOUDS		
Sep 08 2006	1.9"	12x50	DFF,MB,PL PATCH OF NEB.,R=G		
Apr 17 2006	8"	19mmW	PB,PL,HISB,R=E		
Mar 19 2006	8"	19mmW	PB,PL,R=E		
Mar 19 2004	8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS		
Feb 28 2004	8"	25mmPL	COMPTER = ARGO NAVIS		
Dec 26 2003	8"	25mmPL	Q/M COLD		
NGC 1982 Ori	M43	H1-3	Nebula E	VB,VL,RW/TAIL,MBM*8	M 43
Jan 25 2018	12"	11mmT6	NICE OBJECT		
Mar 16 2012	18"	17mmAT	2012 M.M.		
Feb 17 2012	18"	17mmT4	SECOND OBJECT		
Mar 01 2011	12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES		
Mar 08 2010	12"	26mm	M.M. 2010 MANUAL SETTING CIRCLES		
Dec 16 2009	12"	20mmUW			
Mar 20 2009	16"	26mm	MESSIER MARATHON - 2009		
Mar 17 2007	1.9"	12x50	M.M. BETWEEN CLOUDS		
Sep 08 2006	1.9"	12x50	DFF,B,LPATCH OF NEB.,R=G		
Mar 19 2006	8"	19mmW	PB,PL,R=E		
Mar 06 2005	8"	11mmT6	VB,VL,VHISB,R=E!!!, OIII FILTER		
Feb 03 2005	31"	11mmT6	480X+,TRAPEZIUM!!!!		
Mar 19 2004	8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS		
Dec 26 2003	8"	25mmPL	Q/M COLD		
NGC 2632 Cnc	M44		Open Cluster 6.0 II 3	PRAESEPE CANCRI	M 44 Praesepe Cr 189
Mar 16 2012	18"	17mmAT	2012 M.M.		
Mar 01 2011	12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES		
Mar 08 2010	12"	26mm	M.M. 2010 MANUAL SETTING CIRCLES		
Mar 20 2009	16"	26mm	MESSIER MARATHON - 2009		
Mar 08 2007	1.9"	12x50	B,L,RICH CLUSTER,R=G		
Mar 19 2006	8"	25mmPL	PB,PL,R=G		
Mar 19 2004	8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS		
Feb 28 2004	8"	25mmPL	COMPTER = ARGO NAVIS		
Dec 26 2003	8"	25mmPL	Q/M COLD		

Observations by Messier Objects

M 45	Tau	M45	Open Cluster	M 45 Pleiades ESO 193-8 FAIR1
Mar 16 2012	18"	17mmAT	2012 M.M.	
Mar 01 2011	12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES	
Mar 08 2010	12"	26mm	M.M. 2010 MANUAL SETTING CIRCLES	
Mar 20 2009	16"	26mm	MESSIER MARATHON - 2009	
Oct 29 2006	1.9"	12x50	VB,VL,LOOSE CLUSTER,R,R=G	
Mar 19 2006	8"	25mmPL	PB,VL,R=E. PRETTY NICE	
Mar 19 2004	8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS	
Dec 26 2003	8"	25mmPL	Q/M COLD	
Dec 26 2003	8"	25mmPL	COMPTER = ARGO NAVIS	
NGC 2437 Pup	M46	Open Cluster 10.0 II 2 CL,VB,VRI,VL,INV PLN	M 46 Cr 159	
Mar 16 2012	18"	17mmAT	2012 M.M.	
Mar 01 2011	12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES	
Mar 08 2010	12"	26mm	M.M. 2010 MANUAL SETTING CIRCLES	
Mar 20 2009	16"	26mm	MESSIER MARATHON - 2009	
Mar 19 2006	8"	25mmPL	B,ML,R=F	
Mar 19 2004	8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS	
Dec 30 2003	8"	25mmPL	H/M COLD	
NGC 2422 Pup	M47	H38-8	Open Cluster 5.0 I 3 mCL,B,VL,PRI,ST L\$\$	M 47 Cr 152 NGC 2478
Mar 16 2012	18"	17mmAT	2012 M.M.	
Mar 01 2011	12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES	
Mar 08 2010	12"	26mm	M.M. 2010 MANUAL SETTING CIRCLES	
Mar 20 2009	16"	26mm	MESSIER MARATHON - 2009	
Mar 19 2006	8"	25mmPL	PB,R=G	
Mar 19 2004	8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS	
Dec 30 2003	8"	25mmPL	H/M COLD	
NGC 2548 Hya	M48	H22-6	Open Cluster 8.0 I 3 r CL,VL,PRI,PMC,*9..13	M 48 Cr 179
May 22 2015	12"	17mmT4	TYPICAL OPEN CLUSTER R=F	
Mar 16 2012	18"	17mmAT	2012 M.M.	
Mar 01 2011	12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES	
Mar 08 2010	12"	26mm	M.M. 2010 MANUAL SETTING CIRCLES	
Mar 20 2009	16"	26mm	MESSIER MARATHON - 2009	
Mar 19 2006	8"	25mmPL	F,R=F	
Mar 19 2004	8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS	
Feb 25 2004	8"	25mmPL	1ST. QTR.	
NGC 4472 Vir	M49	Galaxy E2	VB,L,R,MBM,R	M 49 MCG 6-3-25 CGCG 520-31 I
Apr 14 2016	12"	11mmT6	SOME MORE EYE CANDY	
Mar 16 2012	18"	17mmAT	2012 M.M.	
Mar 01 2011	12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES	
Mar 08 2010	12"	11mmT6	M.M. 2010 MANUAL SETTING CIRCLES	
Mar 20 2009	16"	26mm	MESSIER MARATHON - 2009	
May 14 2007	31"	17mmT4	B,CL,OVAL,BNUC,HISB,R=G	
May 06 2007	1.9"	12x50	PB,PS,OVAL,NND,R=G	
Mar 26 2006	8"	19mmW	B,L,OVAL,BNUC,HISB,R=G	
Mar 19 2004	8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS	
Mar 13 2004	8"	25mmPL	COMPUTER = ARGO NAVIS	

Observations by Messier Objects

NGC 2323	Mon	M50	Open Cluster 9.0 II 3 r CL,VL,RI,PC,E,	M 50 Cr 124
Mar 16 2012	18"	17mmAT	2012 M.M.	
Mar 01 2011	12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES	
Mar 08 2010	12"	26mm	M.M. 2010 MANUAL SETTING CIRCLES	
Mar 20 2009	16"	26mm	MESSIER MARATHON - 2009	
Mar 08 2007	1.9"	12x50	B,PL,RICH PATCH, RESOLVE 7+ STARS	
Mar 19 2006	8"	25mmPL	B,ML,R=F	
Mar 19 2004	8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS	
Mar 09 2004	8"	25mmPL	COMPTER = ARGO NAVIS	
NGC 5194	CVn	M51	Galaxy SA(s)bc pec GREAT SPIRAL NEBULA	M 51 Whirlpool Galaxy UGC 958
Apr 20 2018	12"	11mmT6		
May 14 2017	12"	11mmT6	B,S,R,BNUC,R=E. SOME STRUCTURE NOTED IN ARMS	
Apr 14 2016	12"	8mm Ds	R,S,R,FNUC,R=G,FAINT STRUCTURE NOTED	
Aug 21 2015	12"	11mmT6	MOON WAS 7 DAYS OLD. NOT THE BEST FOR GALAXIES.	
Jul 15 2015	12"	17mmT4	JUST CRUSIN'	
May 23 2015	12"	8mm Ds	CAN JUST SEE SPIRAL STRUCTURE	
Sep 19 2014	12"	17mmAT	5-DAYS AFTER NEW - SIGHTSEEING, HOME - 8/15/14	
May 30 2014	36"	17mmT4	GREAT VIEW. SPIRAL STRUCTURE NOTED.	
May 30 2014	18"	8mm Ds	MORE DETAIL THAN THE 36". M51 AT ZENITH.	
Jul 13 2013	18"	7mm TV	MORE EYE CANDY - WHIRLPOOL GALAXY	
Mar 16 2012	18"	17mmAT	2012 M.M.	
Jul 04 2011	12"	7mm TV	SUPERNOVE SEEN, REMARKABLE ARM STRUCTURE, R=GREAT	
Mar 01 2011	12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES	
Mar 08 2010	12"	26mm	M.M. 2010 MANUAL SETTING CIRCLES	
Mar 20 2009	16"	26mm	MESSIER MARATHON - 2009	
Jan 11 2007	1.9"	12x50	VB,PL,OVAL,BNUC,R=G	
Mar 26 2006	8"	19mmW	VB,PL,OVAL,BNUC,R=G	
Apr 08 2005	31"	28mm	VB,VL,OVAL,BNUC,R=E!!	
Mar 19 2004	8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS	
Dec 30 2003	8"	25mmPL	H/M COLD	
NGC 7654	Cas	M52	Open Cluster 11.0 II 2 CL,L,RI,MCM,R,*9..13	M 52 Cr 455
Jan 25 2018	12"	11mmT6	NICE OBJECT	
Dec 05 2015	12"	17mmT4		
Aug 21 2015	12"	17mmT4		
Oct 26 2014	12"	22mmAT	EYE CANDY	
Mar 16 2012	18"	17mmAT	2012 M.M.	
Mar 01 2011	12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES	
Mar 08 2010	12"	32mmUW	M.M. 2010 MANUAL SETTING CIRCLES	
Mar 20 2009	16"	26mm	MESSIER MARATHON - 2009	
Aug 20 2006	1.9"	12x50	B,L,R=G	
Mar 19 2006	8"	25mmPL	PB,FL,R,R=G	
Mar 19 2004	8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS	
Dec 26 2003	8"	25mmPL	Q/M COLD	

Observations by Messier Objects

NGC 5024 Com M53		Globular	GCL,B,VC,IR,VVMBM,	M 53
May 30 2016	12"	8mm Et	FMSMR=G. RESOLVED OUTER STARS	
Mar 16 2012	18"	17mmAT	2012 M.M.	
Mar 01 2011	12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES	
Mar 08 2010	12"	11mmT6	M.M. 2010 MANUAL SETTING CIRCLES	
Mar 20 2009	16"	26mm	MESSIER MARATHON - 2009	
Mar 10 2007	1.9"	12x50	PB,PL,R=G,COMPRESSED	
Mar 26 2006	8"	19mmW	PB,L,HSB,R=G, DENSE	
Mar 19 2004	8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS	
NGC 6715 Sgr M54		Globular	GCL,VB,L,R,G,SMBM,	M 54
Jul 05 2016	12"	8mm Et	SMALL AND TIGHT,R=G	
Mar 16 2012	18"	17mmAT	2012 M.M.	
Aug 16 2006	1.9"	12x50	PF,PS,R=F	
Mar 27 2006	8"	19mmW	PF,PS,R=F,TIGHT GROUP	
Jun 19 2004	8"	25mmPL	GOOD NIGHT - MEGASTAR	
NGC 6809 Sgr M55		Globular	GCL,PB,L,R,VRI,VGBM	M 55
Mar 16 2012	18"	17mmAT	2012 M.M.	
Aug 16 2006	1.9"	12x50	PF,L,R=F	
Mar 27 2006	8"	19mmW	VF,L,R=F	
Jun 19 2004	8"	25mmPL	GOOD NIGHT - MEGASTAR	
NGC 6779 Lyr M56		Globular	GCL,B,L,IR,GVMCM,RRR	M 56
Jul 19 2017	12"	11mmT6	F,S,R=G	
Jun 17 2016	12"	8mm Ds	VERY NICE	
Oct 24 2012	8"	11mmT6	STILL NICE. LIKE THOSE GLOBS.	
Mar 16 2012	18"	17mmAT	2012 M.M.	
Mar 01 2011	12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES	
Mar 08 2010	12"	26mm	M.M. 2010 MANUAL SETTING CIRCLES	
Mar 20 2009	16"	26mm	MESSIER MARATHON - 2009	
Jun 30 2008	16"	17mmT4	PB,PL,R=G	
Oct 08 2006	1.9"	12x50	F,S,R=F	
Mar 27 2006	8"	19mmW	F,PS,R,R=F,LOOSELY PACKED	
Dec 26 2003	8"	25mmPL	Q/M COLD	

Observations by Messier Objects

NGC 6720 Lyr	M57	Planetary Neb 4+3	RINGNEB,B,PL,CE,LYRA	M 57 Ring Nebula PK 63+13.1 PH
Jul 02 2017	12"	17mmT4	SURPRISINGLY NOT TOO BAD	
Jul 05 2016	12"	8mm Et	SUPER	
Jun 17 2016	12"	8mm Ds	SURPRISINGLY NICE IN THE MOONLIGHT	
Aug 21 2015	12"	8mm Ds	LP2 FILTER	
Jul 15 2015	12"	8mm Ds		
May 23 2015	12"	11mmT6	EYE CANDY	
May 18 2014	18"	8mm Ds	EYE CANDY.	
Jul 13 2013	18"	7mm TV	EYE CANDY	
Oct 21 2012	8"	25mmPL	ANOTHER SURPRISE AT HOME,ROUND AND DISTINCT	
May 23 2012	18"	17mmAT	EYE CANDY	
Mar 16 2012	18"	17mmAT	2012 M.M.	
Mar 01 2011	12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES	
Mar 08 2010	12"	26mm	M.M. 2010 MANUAL SETTING CIRCLES	
Mar 20 2009	16"	26mm	MESSIER MARATHON - 2009	
Jun 30 2008	16"	17mmT4	PB,PL,R,NO CENTRAL STAR,R=G	
Oct 08 2006	1.9"	12x50	PB,S,R=G	
Mar 27 2006	8"	19mmW	B,L,R, R=G	
Aug 14 2004	8"	11mmT6	F/L W/NEW FOCUSER, NAGLER, DOBSON	
Dec 26 2003	8"	25mmPL	Q/M COLD	
Oct 10 2003	8"	25mmPL	FIRST LIGHT - FIRST OBJECT	
NGC 4579 Vir	M58	Galaxy SAB(rs)b	B,L,IR,VMBM,R	M 58 UGC 811 MCG 6-3-28 CGC
Mar 16 2012	18"	17mmAT	2012 M.M.	
Mar 01 2011	12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES	
Mar 08 2010	12"	11mmT6	M.M. 2010 MANUAL SETTING CIRCLES	
Mar 20 2009	16"	26mm	MESSIER MARATHON - 2009	
Mar 10 2007	1.9"	12x50	F,S,R,NND,R=F	
Mar 26 2006	8"	19mmW	F.S.VA;,.NND.R=F	
Mar 19 2004	8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS	
Mar 13 2004	8"	25mmPL	COMPUTER = ARGO NAVIS	
NGC 4621 Vir	M59	Galaxy E5	B,PL,LE,VSVMBM,2*P	M 59 FAIR689 PGC 42628
Apr 20 2018	12"	11mmT6		
Mar 16 2012	18"	17mmAT	2012 M.M.	
Mar 01 2011	12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES	
Mar 08 2010	12"	11mmT6	M.M. 2010 MANUAL SETTING CIRCLES	
Mar 20 2009	16"	26mm	MESSIER MARATHON - 2009	
Mar 10 2007	1.9"	12x50	B,PS,OVAL,FNUC,R=G	
Mar 26 2006	8"	19mmW	F,L,OVAL,NND,R=F	
Mar 19 2004	8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS	
Mar 13 2004	8"	25mmPL	COMPUTER = ARGO NAVIS	

Observations by Messier Objects

NGC 4649 Vir	M60		Galaxy E2	VB,PL,R,FOF DNEB	M 60 ESO 151-39 PGC 42831
Apr 20 2018	12"	11mmT6			
Apr 14 2016	12"	11mmT6			
Mar 16 2012	18"	17mmAT	2012 M.M.		
Mar 01 2011	12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES		
Mar 08 2010	12"	11mmT6	M.M. 2010 MANUAL SETTING CIRCLES		
Mar 20 2009	16"	26mm	MESSIER MARATHON - 2009		
Mar 10 2007	1.9"	12x50	B,PS,R,FNUC,R=G		
Mar 26 2006	8"	19mmW	F,L,OVAL,NND,R=F		
Mar 19 2004	8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS		
Mar 13 2004	8"	25mmPL	COMPUTER = ARGO NAVIS		
NGC 4303 Vir	M61	H139-1	Galaxy SAB(rs)bc	VB,VL,VSBM*,BIN	M 61 KUG 109+322 PGC 40001
Mar 16 2012	18"	17mmAT	2012 M.M.		
Mar 01 2011	12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES		
Mar 08 2010	12"	11mmT6	M.M. 2010 MANUAL SETTING CIRCLES		
Mar 20 2009	16"	26mm	MESSIER MARATHON - 2009		
May 06 2007	1.9"	12x50	PB,PS,OVAL,NND,R=G		
Mar 26 2006	8"	19mmW	DIFF,F,L,OVAL,NND,R=F		
Mar 19 2004	8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS		
Mar 13 2004	8"	25mmPL	COMPUTER = ARGO NAVIS		
NGC 6266 Oph	M62		Globular	GCL,VB,L,GMBM,RRR,	M 62
Mar 16 2012	18"	17mmAT	2012 M.M.		
Mar 01 2011	12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES		
Mar 08 2010	12"	26mm	M.M. 2010 MANUAL SETTING CIRCLES		
Mar 20 2009	16"	26mm	MESSIER MARATHON - 2009		
Aug 16 2006	1.9"	12x50	B,S,R=F		
Mar 27 2006	8"	19mmW	B,S,R=G, TIGHT GROUP		
Aug 14 2004	8"	11mmT6			
May 16 2004	10"	28mm	CLEAR - MEGASTAR CONTROL		
NGC 5055 CVn	M63		Galaxy SA(rs)bc	VB,L,PME120,VSMBMBN	M 63 Sunflower Galaxy UGC 928
May 14 2017	12"	11mmT6	R=E		
Mar 16 2012	18"	17mmAT	2012 M.M.		
Mar 01 2011	12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES		
Mar 08 2010	12"	26mm	M.M. 2010 MANUAL SETTING CIRCLES		
Mar 20 2009	16"	26mm	MESSIER MARATHON - 2009		
Mar 10 2007	1.9"	12x50	F,FL,OVAL,NND,R=G		
Mar 26 2006	8"	19mmW	PB,PL,EON,BNUC,HISB,R=G		
Mar 19 2004	8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS		
Dec 30 2003	8"	25mmPL	H/M COLD		

Observations by Messier Objects

NGC 4826 Com M64			Galaxy (R)SA(rs)ab	VB,VL,VME120,BMSBN	M 64 Black-eye Galaxy CGCG 389
May 14 2017	12"	11mmT6	R=E		
Sep 19 2014	12"	17mmAT	PF,L,OVAL,FNUC,R=F, HOME - 8/14/14		
Mar 16 2012	18"	17mmAT	2012 M.M.		
Mar 16 2012	18"	17mmAT	2012 M.M.		
Mar 01 2011	12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES		
Mar 08 2010	12"	11mmT6	M.M. 2010 MANUAL SETTING CIRCLES		
Mar 20 2009	16"	26mm	MESSIER MARATHON - 2009		
Mar 10 2007	1.9"	12x50	B,PL,OVAL,NND,R=G		
Mar 26 2006	8"	19mmW	PB,PL,EL,OVAL,BNUC,R=G		
Mar 19 2004	8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS		
Mar 13 2004	8"	25mmPL	COMPUTER = ARGO NAVIS		
NGC 3623 Leo M65			Galaxy SAB(rs)a	B,VL,ME165,GBMBN	M 65 ESO 541-9A ARP 317 PGC
Apr 20 2018	12"	11mmT6			
Mar 16 2012	18"	17mmAT	2012 M.M.		
Mar 01 2011	12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES		
Mar 08 2010	12"	11mmT6	M.M. 2010 MANUAL SETTING CIRCLES		
Mar 20 2009	16"	26mm	MESSIER MARATHON - 2009		
Apr 15 2007	31"	32mmUW	VB,VL,EON,BNUC,HISB,R=E		
Mar 10 2007	1.9"	12x50	VF,PS,OVAL,NND,AV,R=F		
Mar 19 2006	8"	19mmW	PB,L,EL,OVAL,FNUC,R=G		
May 12 2004	8"	25mmPL	L.P. LOUSY-MAG. 9.5 TOPS! MSV5		
Mar 19 2004	8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS		
Feb 25 2004	8"	25mmPL	1ST. QTR.		
NGC 3627 Leo M66			Galaxy SAB(s)b	B,VL,ME150,MBM,2*NP	M 66 MCG -2-3-64 VV 361 ARP 110
Apr 20 2018	12"	11mmT6			
Mar 16 2012	18"	17mmAT	2012 M.M.		
Mar 01 2011	12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES		
Mar 08 2010	12"	11mmT6	M.M. 2010 MANUAL SETTING CIRCLES		
Mar 20 2009	16"	26mm	MESSIER MARATHON - 2009		
Apr 15 2007	31"	32mmUW	VB,PL,EL,OVAL,BNUC,HISB,R=G		
Mar 10 2007	1.9"	12x50	B,PL,OVAL,NND,R=G		
Mar 19 2006	8"	19mmW	PB,PL,EL,OVAL,BNUC,R=G		
Apr 04 2005	8"	11mmT6	VB,ML,EL,EON,NUC,HISB,R=E		
May 12 2004	8"	25mmPL	L.P. LOUSY-MAG. 9.5 TOPS! MSV5		
Mar 19 2004	8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS		
Feb 25 2004	8"	25mmPL	1ST. QTR.		
NGC 2682 Cnc M67			Open Cluster 9.0 II 3 r CL,VB,VL,ERI,LC,*10.	M 67 Cr 204	
Mar 16 2012	18"	17mmAT	2012 M.M.		
Mar 01 2011	12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES		
Mar 08 2010	12"	26mm	M.M. 2010 MANUAL SETTING CIRCLES		
Mar 20 2009	16"	26mm	MESSIER MARATHON - 2009		
Mar 08 2007	1.9"	12x50	PB,PL,PATCHY,R=G		
Mar 19 2006	8"	25mmPL	B,L,R=F		
Mar 19 2004	8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS		
Feb 16 2004	8"	25mmPL	1ST. QTR.		

Observations by Messier Objects

NGC 4590 Hya	M68	Globular	GCL,L,ERI,VC,IR,ST12	M 68
May 14 2017	12"	11mmT6	LOW ON HORIZON. JUST A SMUDGE	
May 30 2016	12"	8mm Et	PF,PS,R=F. LOW ON HORIZON	
Mar 16 2012	18"	17mmAT	2012 M.M.	
Mar 01 2011	12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES	
Mar 08 2010	12"	11mmT6	M.M. 2010 MANUAL SETTING CIRCLES	
Mar 20 2009	16"	26mm	MESSIER MARATHON - 2009	
Mar 27 2006	8"	19mmW	F,L,R,R=F, DENSE CLUSTER	
Mar 19 2004	8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS	

NGC 6637 Sgr	M69	Globular	GCL,B,L,R,RRR,*14.16	M 69
Jul 05 2016	12"	8mm Et	EXCELLENT	
Mar 16 2012	18"	17mmAT	2012 M.M.	
Mar 01 2011	12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES	
Mar 08 2010	12"	26mm	M.M. 2010 MANUAL SETTING CIRCLES	
Aug 13 2007	31"	31mmT5	PB,PS,MORE STARS, CONDENSED,R=E	
Aug 20 2006	1.9"	12x50	F,S,R=F	
Mar 27 2006	8"	19mmW	F,S,R=F,TIGHT GROUP	
Jun 19 2004	8"	25mmPL	GOOD NIGHT - MEGASTAR	

NGC 6681 Sgr	M70	Globular	GCL,B,PL,R,GBM,	M 70
Jul 05 2016	12"	8mm Et	VERY GOOD	
Mar 16 2012	18"	17mmAT	2012 M.M.	
Mar 01 2011	12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES	
Mar 08 2010	12"	26mm	M.M. 2010 MANUAL SETTING CIRCLES	
Aug 20 2006	1.9"	12x50	PF,S,R=F	
Mar 27 2006	8"	19mmW	PF,PS,R=F,TIGHT GROUP	
Jun 19 2004	8"	25mmPL	GOOD NIGHT - MEGASTAR	

NGC 6838 Sge	M71	Globular	CL,VL,VRI,PMC,*11.16	M 71
Jul 08 2018	12"	17mmT4	B,S,R=G	
Jul 19 2017	12"	11mmT6	F,S,R=G. LOOKED BETTER THAN M56	
Sep 02 2016	12"	8mm Et	NOT BAD. HAVEN'T LOOKED AT THIS ONE IN A WHILE.	
Oct 21 2012	8"	11mmT6	F,S,R=G, ANOTHER SURPRISE UNDER THE STREETLIGHTS	
Mar 16 2012	18"	17mmAT	2012 M.M.	
Mar 01 2011	12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES	
Mar 08 2010	12"	26mm	M.M. 2010 MANUAL SETTING CIRCLES	
Mar 20 2009	16"	26mm	MESSIER MARATHON - 2009	
Sep 01 2008	31"	17mmT4	PB,PS,USB,R=G, NICE GLOBULA	
Aug 20 2006	1.9"	12x50	F,L,R=F	
Mar 27 2006	8"	19mmW	DIFF,F,L,R=F, LOOSELY PACKED	
Jul 16 2004	8"	25mmPL	CLEAR - SEEING NOT TOO BAD	
Jun 19 2004	8"	25mmPL	GOOD NIGHT - MEGASTAR	

NGC 6981 Aqr	M72	Globular	GCL,PB,PL,R,GMCM,RRR	M 72
Sep 13 2009	12"	32mmUW	2ND OBJECT.	
Oct 08 2006	1.9"	12x50	VF,S,R=F	
Oct 06 2004	8"	11mmT6	PB,L,R=G,TIGHT GROUP	
Jun 19 2004	8"	25mmPL	GOOD NIGHT - MEGASTAR	

Observations by Messier Objects

NGC 6994 Aqr	M73		Open Cluster 11.1 IV 1CL,EP,VLC,NO NEB	M 73 Cr 426
Mar 16 2012	18"	17mmAT	2012 M.M.	
Oct 08 2006	1.9"	12x50	F,S,R=F	
Mar 27 2006	8"	19mmW	R=P, 4 STARS?	
Jun 19 2004	8"	25mmPL	GOOD NIGHT - MEGASTAR	
NGC 628 Psc	M74		Galaxy SA(s)c GCL,F,VL,R,VG,PSMBM	M 74 CGCG 499-52 CGCG 498-80
Mar 01 2011	12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES	
Mar 08 2010	12"	11mmT6	M.M. 2010 MANUAL SETTING CIRCLES	
Oct 29 2006	1.9"	12x50	B,CS,OVAL,FNUC,R=G	
Oct 06 2004	8"	11mmT6	F,PL,R,NND,R=G	
Mar 19 2004	8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS	
NGC 6864 Sgr	M75		Globular GCL,B,PL,R,VMBMBN,RR	M 75
Mar 16 2012	18"	17mmAT	2012 M.M.	
Mar 08 2010	12"	11mmT6	M.M. 2010 MANUAL SETTING CIRCLES	
Aug 16 2006	1.9"	12x50	PF,S,R=F	
Jul 16 2006	8"	19mmW	PF,PS,R=F	
Jul 09 2005	8"	11mmT6	PB,PL,R=G,TIGHT GROUP	
Jun 19 2004	8"	25mmPL	GOOD NIGHT - MEGASTAR	
NGC 650 Per	M76	H193-1	Planetary Neb 3+6 VB,P OF DNEB	M 76 Little Dumbbell PK 130-10.1
Oct 09 2018	12"	8mm Et	F,S,R=E. LP2	
Mar 16 2012	18"	17mmAT	2012 M.M.	
Mar 01 2011	12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES	
Mar 08 2010	12"	11mmT6	M.M. 2010 MANUAL SETTING CIRCLES	
Mar 20 2009	16"	26mm	MESSIER MARATHON - 2009	
Oct 01 2006	1.9"	12x50	PF,PS,R,R=F	
Jul 24 2006	8"	11mmT6	PF,L,R,R=G	
Mar 19 2006	8"	19mmW	PF,L,VLE,R=G	
Dec 01 2004	31"	11mmT6	VB,HISB,R=E, SOLO EFFORT	
Mar 19 2004	8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS	
Dec 26 2003	8"	25mmPL	Q/M COLD	
NGC 1068 Cet	M77		Galaxy (R)SA(rs)b VB,PL,IR,SBMRRN	M 77 KUG 13+310 PGC 10266
Mar 01 2011	12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES	
Mar 08 2010	12"	11mmT6	M.M. 2010 MANUAL SETTING CIRCLES	
Nov 13 2007	8"	11mmT6	PB,L,OVAL,BNUC,HISB,R=G	
Oct 29 2006	1.9"	12x50	PF,PS,OVA,NND,R=F	
Mar 19 2006	8"	19mmW	B,FL,OVAL,FNUC,MSB,R=F	
Mar 19 2004	8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS	

Observations by Messier Objects

NGC 2068 Ori	M78		Nebula R	B,L,WISP,GMBN,3*INV	M 78
Mar 16 2012	18"	17mmAT	2012 M.M.		
Feb 17 2012	18"	17mmT4	OBSERVED WITH 18" ASTROSYSTEMS		
Mar 01 2011	12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES		
Mar 08 2010	12"	26mm	M.M. 2010 MANUAL SETTING CIRCLES		
Dec 16 2009	12"	20mmUW			
Mar 20 2009	16"	26mm	MESSIER MARATHON - 2009		
Mar 17 2007	1.9"	12x50	M.M. BETWEEN CLOUDS		
Oct 29 2006	1.9"	12x50	F,S,R=F		
Mar 19 2006	8"	19mmW	B,L,R=F		
Mar 19 2004	8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS		
Dec 26 2003	8"	25mmPL	Q/M COLD		

NGC 1904 Lep	M79		Globular	GCL,PL,ERI,EC,RRR	M 79
Mar 16 2012	18"	17mmAT	2012 M.M.		
Mar 01 2011	12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES		
Mar 08 2010	12"	26mm	M.M. 2010 MANUAL SETTING CIRCLES		
Mar 20 2009	16"	26mm	MESSIER MARATHON - 2009		
Mar 26 2006	8"	19mmW	B,PS,,TIGHT,R=F		
Mar 19 2004	8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS		
Dec 26 2003	8"	25mmPL	Q/M COLD		

NGC 6093 Sco	M80		Globular	GCL,VB,L,VMBM(VAR*)	M 80
Jul 01 2016	12"	8mm Et	B,F,R=G		
Mar 16 2012	18"	17mmAT	2012 M.M.		
Mar 16 2012	18"	17mmAT	2012 M.M.		
Mar 01 2011	12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES		
Mar 08 2010	12"	11mmT6	M.M. 2010 MANUAL SETTING CIRCLES		
Mar 20 2009	16"	26mm	MESSIER MARATHON - 2009		
Aug 20 2006	1.9"	12x50	PF,S,R=F		
Mar 27 2006	8"	19mmW	VB,S,R=G,TIGHT GROUP		
May 22 2004	8"	25mmPL	DECENT NIGHT - MEGASTAR CONTROL		

Observations by Messier Objects

NGC 3031	UMa	M81	Galaxy SA(s)ab	EB,EL,E156,GSVMBMBN	2	M 81 Bode's Nebula	UGC 527	MC
Apr 20 2018	12"	11mmT6						
Jul 25 2017	12"	11mmT6	NOT BAD.					
May 14 2017	12"	11mmT6	EXCELLENT					
Jul 01 2016	12"	8mm Et	EYE CANDY					
Apr 14 2016	12"	8mm Ds	F,S,OVAL,NND,R=G					
Mar 16 2012	18"	17mmAT	2012 M.M.					
Mar 01 2011	12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES					
Mar 08 2010	12"	26mm	M.M. 2010 MANUAL SETTING CIRCLES					
Mar 20 2009	16"	26mm	MESSIER MARATHON - 2009					
Mar 08 2007	1.9"	12x50	FB,L,OVAL,FNUC,R=G					
Aug 20 2006	1.9"	12x50	PB,PL,OVAL,FNUC,HISB,R=G					
Mar 19 2006	8"	19mmW	PB,PL,EL,EON,BNUC,R=G					
May 04 2005	8"	19mmW	VB,VL,OVAL,BNUC,VHISB,R=E!					
Apr 04 2005	8"	11mmT6	VB,VL,EON,NUC,HISB,R=E!!					
Feb 10 2005	8"	11mmT6	MF,ML,OVAL,NND,R=F					
Apr 14 2004	31"	17mmT4	CLEAR NIGHT - MEGASTAR CONTROL					
Apr 05 2004	8"	25mmPL	FULLMOON - **MEGASTAR CONTROL**					
Mar 19 2004	8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS					
Feb 28 2004	8"	25mmPL	COMPTER = ARGO NAVIS					
Dec 30 2003	8"	25mmPL	H/M COLD					

NGC 3034	UMa	M82	H79-4	Galaxy I0 sp	VB,VL,VME(RAY)	M 82 UM283	PGC 28655
Apr 20 2018	12"	11mmT6					
Jul 25 2017	12"	11mmT6	NOT BAD				
May 14 2017	12"	11mmT6	EXCELLENT				
Jul 01 2016	12"	8mm Et	EYE CANDY				
Apr 14 2016	12"	8mm Ds	F,S,PEXT,NND,R=G,BRIGHT KNOT ON ONE END.				
Sep 19 2014	12"	17mmAT	5-DAYS AFTER NEW - SIGHTSEEING, HOME - 8/15/14				
Mar 30 2014	28"	17mmAT	SUPER NOVA IN M-82. NEAT TO SEE. M-82 LOOKED GREAT WITH THE DUST LANES				
Mar 16 2012	18"	17mmAT	2012 M.M.				
Mar 01 2011	12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES				
Mar 08 2010	12"	26mm	M.M. 2010 MANUAL SETTING CIRCLES				
Mar 20 2009	16"	26mm	MESSIER MARATHON - 2009				
Mar 08 2007	1.9"	12x50	FB,FS,OVAL,NND,R=F				
Aug 20 2006	1.9"	12x50	PB,L,OVAL,FNUC,R=G				
Mar 19 2006	8"	19mmW	PB,PL,EON,FNUC,R=G				
May 04 2005	8"	19mmW	VB,ML,EL,EON,BNUC,VHISB,R=E!				
Apr 14 2004	31"	17mmT4	CLEAR NIGHT - MEGASTAR CONTROL				
Apr 05 2004	8"	25mmPL	FULLMOON - **MEGASTAR CONTROL**				
Mar 19 2004	8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS				
Feb 28 2004	8"	25mmPL	COMPTER = ARGO NAVIS				
Dec 30 2003	8"	25mmPL	H/M COLD				

Observations by Messier Objects

NGC 5236 Hya	M83	Galaxy SAB(s)c	VB,VL,E55,ESBMN,SPIR	M 83 CGCG 459-49 PGC 48082
Mar 16 2012	18"	17mmAT	2012 M.M.	
Mar 01 2011	12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES	
Mar 08 2010	12"	11mmT6	M.M. 2010 MANUAL SETTING CIRCLES	
Mar 20 2009	16"	26mm	MESSIER MARATHON - 2009	
Mar 27 2006	8"	19mmW	DIFF,F,L,OVAL,,NND,R=F	
Mar 19 2004	8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS	
NGC 4374 Vir	M84	Galaxy E1	VB,PL,R,PSBM,R	M 84 MCG -3-4-28 VV 258 PGC 4
May 14 2017	12"	11mmT6	F,VS,R,BNUC,R=E	
Mar 01 2011	12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES	
Mar 08 2010	12"	26mm	M.M. 2010 MANUAL SETTING CIRCLES	
Mar 20 2009	16"	26mm	MESSIER MARATHON - 2009	
May 06 2007	1.9"	12x50	PF,PS,OVAL,NND,R=F	
Mar 26 2006	8"	19mmW	B,S,OVAL,NND,R=F	
Mar 19 2004	8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS	
Mar 13 2004	8"	25mmPL	COMPUTER = ARGO NAVIS	
NGC 4382 Com	M85	Galaxy SA(s)0+ pec	VB,PL,R,BM,*NP	M 85 ESO 352-21 MCG -6-3-28 P
Apr 20 2018	12"	11mmT6		
Mar 16 2012	18"	17mmAT	2012 M.M.	
Mar 01 2011	12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES	
Mar 08 2010	12"	26mm	M.M. 2010 MANUAL SETTING CIRCLES	
Mar 20 2009	16"	26mm	MESSIER MARATHON - 2009	
Mar 10 2007	1.9"	12x50	VF,PS,OVAL,NND,AV,R=F	
Mar 26 2006	8"	19mmW	B,L,OVAL,BNUC,R=G	
Mar 19 2004	8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS	
Mar 13 2004	8"	25mmPL	COMPUTER = ARGO NAVIS	
NGC 4406 Vir	M86	Galaxy E3	VB,L,R,GBMN,R	M 86 ESO 296-7 MCG -6-3-29 IR/
Apr 20 2018	12"	11mmT6		
May 14 2017	12"	11mmT6	F,PS,R,BNUC,R=E	
Mar 01 2011	12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES	
Mar 08 2010	12"	26mm	M.M. 2010 MANUAL SETTING CIRCLES	
Mar 20 2009	16"	26mm	MESSIER MARATHON - 2009	
May 06 2007	1.9"	12x50	PF,PS,OVAL,NND,R=F	
Mar 26 2006	8"	19mmW	B,S,R,NND,R=F	
Mar 19 2004	8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS	
Mar 13 2004	8"	25mmPL	COMPUTER = ARGO NAVIS	
NGC 4486 Vir	M87	Galaxy E+0-1 pec	VB,VL,R,MBM,3RD OF 3	M 87 UGC 791 MCG 0-4-52 CGC
Sep 19 2014	12"	17mmAT	PF,L,R=G, HOME - 8/14/14	
Mar 16 2012	18"	17mmAT	2012 M.M.	
Mar 01 2011	12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES	
Mar 08 2010	12"	26mm	M.M. 2010 MANUAL SETTING CIRCLES	
Mar 20 2009	16"	26mm	MESSIER MARATHON - 2009	
Mar 10 2007	1.9"	12x50	PF,S,OVAL,R=F	
Mar 26 2006	8"	19mmW	B,LLARGER,FNUC,R=G	
Mar 19 2004	8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS	
Mar 13 2004	8"	25mmPL	COMPUTER = ARGO NAVIS	

Observations by Messier Objects

NGC 4501 Com M88		Galaxy SA(rs)b	B,VL,VME	M 88 CGCG 385-49 PGC 41517
Apr 14 2016	12"	8mm Ds	EYE CANDY	
Mar 16 2012	18"	17mmAT	2012 M.M.	
Mar 01 2011	12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES	
Mar 08 2010	12"	11mmT6	M.M. 2010 MANUAL SETTING CIRCLES	
Mar 20 2009	16"	26mm	MESSIER MARATHON - 2009	
Mar 10 2007	1.9"	12x50	PF,S,OVAL,NND,R=F	
Mar 26 2006	8"	19mmW	B,L,OVAL,FNUC,R=F	
Mar 19 2004	8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS	
Mar 13 2004	8"	25mmPL	COMPUTER = ARGO NAVIS	
NGC 4552 Vir M89		Galaxy E0-1	PB,PS,R,GMBM	M 89 MCG -2-4-16 PGC 41968
Apr 20 2018	12"	11mmT6		
Mar 01 2011	12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES	
Mar 08 2010	12"	11mmT6	M.M. 2010 MANUAL SETTING CIRCLES	
Mar 20 2009	16"	26mm	MESSIER MARATHON - 2009	
Mar 10 2007	1.9"	12x50	B,S,R,NND,R=F	
Mar 26 2006	8"	19mmW	B,L,R,FNUC,R=G	
Mar 19 2004	8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS	
NGC 4569 Vir M90		Galaxy SAB(rs)ab	PL,BMN	M 90 ESO 195-35 FAIR294 IRAS
Mar 16 2012	18"	17mmAT	2012 M.M.	
Mar 16 2012	18"	17mmAT	2012 M.M.	
Mar 01 2011	12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES	
Mar 08 2010	12"	11mmT6	M.M. 2010 MANUAL SETTING CIRCLES	
Mar 20 2009	16"	26mm	MESSIER MARATHON - 2009	
May 18 2007	31"	17mmT4	EB,EL,EL,OVAL,BNUC,HISB,R=E	
May 06 2007	1.9"	12x50	PB,PS,OVAL,NND,R=G	
Mar 26 2006	8"	19mmW	F,L,EON,NND,R=F	
Mar 19 2004	8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS	
NGC 4548 Com M91 H120-2		Galaxy SB(rs)b	B,L,LE,LBM	M 91 MCG -1-4-18 PGC 41934
Mar 16 2012	18"	17mmAT	2012 M.M.	
Mar 01 2011	12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES	
Mar 08 2010	12"	26mm	M.M. 2010 MANUAL SETTING CIRCLES	
Mar 20 2009	16"	26mm	MESSIER MARATHON - 2009	
May 06 2007	1.9"	12x50	VF,S,OVAL,NND,R=F	
Apr 26 2006	8"	11mmT6	B,L,EON,NND,R=F	
Mar 26 2006	8"	19mmW	B,L,EON,NND,R=F	
Mar 19 2004	8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS	
Mar 13 2004	8"	25mmPL	COMPUTER = ARGO NAVIS	

Observations by Messier Objects

NGC 6341 Her	M92	Globular	GCL,VB,VL,ECM,ST S	M 92
Apr 20 2018	12"	11mmT6		
Jul 02 2017	12"	17mmT4	GOOD	
May 14 2017	12"	11mmT6	RESOLVED STARS	
May 30 2016	12"	8mm Ds	B,L,R=E. OUTSTANDING. NOT AS LARGE AS M13 THOUGH.	
Aug 21 2015	12"	8mm Ds		
Oct 24 2012	8"	11mmT6	STILL NICE.	
Mar 16 2012	18"	17mmAT	2012 M.M.	
Mar 01 2011	12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES	
Mar 08 2010	12"	26mm	M.M. 2010 MANUAL SETTING CIRCLES	
Mar 20 2009	16"	26mm	MESSIER MARATHON - 2009	
Sep 07 2006	1.9"	12x50	DIFF,PF,PS,R=F	
Mar 27 2006	8"	19mmW	B,L,R,R=G,DENSE,RESOLVE OUTER STARS	
Oct 31 2004	1.9"	12x50	R=G	
Aug 14 2004	8"	11mmT6		
Mar 19 2004	8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS	
NGC 2447 Pup	M93	Open Cluster 9.0 I 3 r	CL,L,PRI,LC,ST8...13	M 93 Cr 160
Mar 16 2012	18"	17mmAT	2012 M.M.	
Mar 01 2011	12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES	
Mar 08 2010	12"	26mm	M.M. 2010 MANUAL SETTING CIRCLES	
Mar 20 2009	16"	26mm	MESSIER MARATHON - 2009	
Mar 19 2006	8"	25mmPL	B,FS,R=G. SMALL TIGHT GROUP	
Mar 19 2004	8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS	
Dec 30 2003	8"	25mmPL	H/M COLD	
NGC 4736 CVn	M94	Galaxy (R)SA(r)ab	VB,L,IR,VSVMBMBN,R	M 94 UGC 848 MCG 0-4-79 CGCG
Mar 16 2012	18"	17mmAT	2012 M.M.	
Mar 01 2011	12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES	
Mar 08 2010	12"	26mm	M.M. 2010 MANUAL SETTING CIRCLES	
Mar 20 2009	16"	26mm	MESSIER MARATHON - 2009	
Mar 08 2007	1.9"	12x50	PF,S,R,NND,R=F	
Mar 26 2006	8"	19mmW	PB,S,OVAL,BNUC,HISB,R=G	
Mar 19 2004	8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS	
Dec 30 2003	8"	25mmPL	H/M COLD	
NGC 3351 Leo	M95	Galaxy SB(r)b	B,L,R,PGMBMN	M 95 UGC 578 MCG 7-3-7 CGCG
Mar 16 2012	18"	17mmAT	2012 M.M.	
Mar 01 2011	12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES	
Mar 08 2010	12"	11mmT6	M.M. 2010 MANUAL SETTING CIRCLES	
Mar 20 2009	16"	26mm	MESSIER MARATHON - 2009	
May 06 2007	1.9"	12x50	PF,PS,OVAL,NND,R=F	
Mar 19 2006	8"	19mmW	FB,L,OVAL,RNUC,HISB,R=G	
Mar 19 2004	8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS	
Feb 25 2004	8"	25mmPL	1ST. QTR.	

Observations by Messier Objects

NGC 3368 Leo M96		Galaxy SAB(rs)ab	VB,VL,LE,VSVMBM,R	M 96 ESO 151-7 PGC 32192
Mar 16 2012	18"	17mmAT	2012 M.M.	
Mar 01 2011	12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES	
Mar 08 2010	12"	11mmT6	M.M. 2010 MANUAL SETTING CIRCLES	
Mar 20 2009	16"	26mm	MESSIER MARATHON - 2009	
May 06 2007	1.9"	12x50	PF,PS,OVAL,NND,R=F	
Mar 19 2006	8"	19mmW	FB,L,OVAL,RNUC,HISB,R=G	
Mar 19 2004	8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS	
Feb 25 2004	8"	25mmPL	1ST. QTR.	
NGC 3587 UMa M97		Planetary Neb 3a	PLN,VB,VL,R,VVG,VSBM	M 97 Owl Nebula PK 148+57.1 PI
Apr 20 2018	12"	11mmT6		
Apr 14 2016	12"	8mm Ds	PRETTY FAINT. NO FILTER USED.	
Aug 15 2015	12"	11mmT6		
May 23 2015	12"	11mmT6		
Jul 13 2013	18"	7mm TV	MORE EYE CANDY	
May 23 2012	18"	17mmAT	EYE CANDY	
Mar 16 2012	18"	17mmAT	2012 M.M.	
Jul 04 2011	12"	11mmT6	LAST OBJECT OF THE NIGHT. BACK TO WORK.	
Mar 01 2011	12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES	
Mar 08 2010	12"	26mm	M.M. 2010 MANUAL SETTING CIRCLES	
Mar 20 2009	16"	26mm	MESSIER MARATHON - 2009	
Mar 08 2007	1.9"	12x50	B,R,R=G. LOOKS STELLAR	
Aug 20 2006	1.9"	12x50	PF,VS,AV,R=F	
Mar 19 2006	8"	19mmW	PB,L,R,R=G	
Mar 19 2004	8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS	
Dec 26 2003	8"	25mmPL	Q/M COLD	
NGC 4192 Com M98		Galaxy SAB(s)ab	B,VL,VME152,VSVMBM	M 98 MCG -1-4-6 PGC 39028
Mar 16 2012	18"	17mmAT	2012 M.M.	
Mar 01 2011	12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES	
Mar 08 2010	12"	11mmT6	M.M. 2010 MANUAL SETTING CIRCLES	
Mar 20 2009	16"	26mm	MESSIER MARATHON - 2009	
May 06 2007	1.9"	12x50	VF,S,OVAL,NND,R=F	
Mar 26 2006	8"	19mmW	F,FL,OVAL,NND,UB,R=G	
Mar 19 2004	8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS	
Mar 13 2004	8"	25mmPL	COMPUTER = ARGO NAVIS	
NGC 4254 Com M99		Galaxy SA(s)c	B,L,R,GBM,R,3BRSPIRA	M 99 Pin-wheel Nebula UGC 744
Mar 16 2012	18"	17mmAT	2012 M.M.	
Mar 01 2011	12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES	
Mar 08 2010	12"	11mmT6	M.M. 2010 MANUAL SETTING CIRCLES	
Mar 20 2009	16"	26mm	MESSIER MARATHON - 2009	
May 06 2007	1.9"	12x50	F,S,OVAL,NND,R=F	
Mar 26 2006	8"	19mmW	F,S,OVAL,NND,R=F	
Mar 19 2004	8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS	
Mar 13 2004	8"	25mmPL	COMPUTER = ARGO NAVIS	

Observations by Messier Objects

NGC 4321 Com M100			Galaxy SAB(s)bc	PF,VL,R,VG,PSBMRN	M 100 CGCG 501-128 CGCG 502-
Mar 16 2012	18"	17mmAT	2012 M.M.		
Mar 01 2011	12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES		
Mar 08 2010	12"	26mm	M.M. 2010 MANUAL SETTING CIRCLES		
Mar 20 2009	16"	26mm	MESSIER MARATHON - 2009		
Mar 10 2007	1.9"	12x50	F,S,OVAL,NND,R=F		
Mar 26 2006	8"	19mmW	F,L,OVAL,NND,R=F		
Mar 19 2004	8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS		
Mar 13 2004	8"	25mmPL	COMPUTER = ARGO NAVIS		
NGC 5457 UMa M101			Galaxy SAB(rs)cd	PB,VL,IR,G,VSMBMBSN 4	M 101 UGC 1035 MCG 8-3-23 CG
Jul 15 2015	12"	17mmT4			
Sep 19 2014	12"	17mmAT	5-DAYS AFTER NEW - SIGHTSEEING, HOME - 8/15/14		
Mar 16 2012	18"	17mmAT	2012 M.M.		
Mar 01 2011	12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES		
Mar 08 2010	12"	26mm	M.M. 2010 MANUAL SETTING CIRCLES		
Mar 20 2009	16"	26mm	MESSIER MARATHON - 2009		
Aug 20 2006	1.9"	12x50	F,S,OVAL,NND,R=F		
Mar 26 2006	8"	19mmW	F,L,OVAL,NND,R=F		
Mar 19 2004	8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS		
Mar 13 2004	8"	25mmPL	COMPUTER = ARGO NAVIS		
Mar 10 2004	8"	25mmPL	N/M, NO COMPUTER		
NGC 5866 Dra M102 H215-1			Galaxy SA0+ sp	VB,CL,PME146,GBM	M 102 MCG -3-5-8 IRAS 1322-154
Mar 16 2012	18"	17mmAT	2012 M.M.		
Mar 01 2011	12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES		
Mar 08 2010	12"	26mm	M.M. 2010 MANUAL SETTING CIRCLES		
Mar 20 2009	16"	26mm	MESSIER MARATHON - 2009		
Mar 26 2006	8"	19mmW	B,S,OVAL,FNUC,MSB,R=F		
Mar 19 2004	8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS		
NGC 581 Cas M103			Open Cluster 9.0 II 2	CL,PL,B,R,RI,*10..11	M 103 Cr 14
Oct 09 2018	12"	35mm A	PRETTY NICE		
Dec 05 2015	12"	17mmT4			
Oct 21 2012	8"	11mmT6	B,S,R=G		
Mar 16 2012	18"	17mmAT	2012 M.M.		
Mar 01 2011	12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES		
Aug 31 2010	12"	17mmAT	NIGHT ENDING EYE CANDY		
Mar 08 2010	12"	26mm	M.M. 2010 MANUAL SETTING CIRCLES		
Mar 20 2009	16"	26mm	MESSIER MARATHON - 2009		
Aug 20 2006	1.9"	12x50	PB,PL,R=G		
Mar 19 2006	8"	25mmPL	PB,FL,OVAL,R=G. BRIGHTER STARS		
Mar 19 2004	8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS		
Dec 26 2003	8"	25mmPL	Q/M COLD		

Observations by Messier Objects

NGC 4594 Vir	M104 H43-1	Galaxy SA(s)a sp	VB,VL,EE92,VSMBMN	M 104 Sombrero Galaxy MCG 5-4
May 14 2017	12"	11mmT6	VERY NICE.	
Apr 14 2016	12"	8mm Ds	PF,PS,EON,FNUC,R=F,DUST LANE FAINT.	
May 23 2015	12"	11mmT6		
May 22 2015	12"	8mm Ds	ALWAYS GREAT. DUST LANE VISIBLE	
Mar 16 2012	18"	17mmAT	2012 M.M.	
Mar 01 2011	12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES	
Mar 08 2010	12"	11mmT6	M.M. 2010 MANUAL SETTING CIRCLES	
Mar 20 2009	16"	26mm	MESSIER MARATHON - 2009	
Apr 02 2008	31"	40mm	PB,PL,EON,BNUC,HISB,R=E	
May 06 2007	1.9"	12x50	PB,PL,EON,NND,R=G	
Apr 19 2007	31"	17mmT4	VB,VL,EON,BNUC,VHISB,R=E!!	
Mar 26 2006	8"	19mmW	PB,PL,EON,BNUC,HISB,R=G	
Apr 05 2005	8"	7.5mmW	VB,VL,EON,NUC,HISB,R=E!!	
Apr 14 2004	8"	25mmPL	CLEAR NIGHT - MEGASTAR CONTROL	
Mar 19 2004	8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS	
Mar 13 2004	8"	25mmPL	COMPUTER = ARGO NAVIS	
NGC 3379 Leo	M105 H17-1	Galaxy E1	VB,CL,R,PSBM,R	M 105 ESO 151-10 PGC 32256
Mar 16 2012	18"	17mmAT	2012 M.M.	
Mar 01 2011	12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES	
Mar 08 2010	12"	11mmT6	M.M. 2010 MANUAL SETTING CIRCLES	
Mar 20 2009	16"	26mm	MESSIER MARATHON - 2009	
Apr 02 2008	8"	11mmT6	PB,PLM,R,BNUC,HSB,R=G	
May 06 2007	1.9"	12x50	PF,PS,OVAL,NND,R=F	
Mar 19 2006	8"	19mmW	FB,CL,OVAL,BNUC,HISB,R=G	
May 12 2004	8"	25mmPL	L.P. LOUSY-MAG. 9.5 TOPS! MSV5	
Mar 19 2004	8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS	
Feb 25 2004	8"	25mmPL	1ST. QTR.	
NGC 4258 CVn	M106 H43-5	Galaxy Sb	VB,VL,VME0,SBMBN	M 106 UGC 743 CGCG 501-122 F
Jul 08 2018	12"	8mm Et	B,S,OVAL,MEXT,BNUC,R=G	
Mar 16 2012	18"	17mmAT	2012 M.M.	
Mar 01 2011	12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES	
Mar 08 2010	12"	11mmT6	M.M. 2010 MANUAL SETTING CIRCLES	
Mar 20 2009	16"	26mm	MESSIER MARATHON - 2009	
Mar 26 2006	8"	19mmW	MB,ML,OVAL,FNUC,MSB,,R=F	
Mar 19 2004	8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS	
Dec 26 2003	8"	25mmPL	Q/M COLD	
NGC 6171 Oph	M107 H40-6	Globular	GCL,L,VRI,VMC,R,RRR	M 107
Jul 02 2017	12"	17mmT4	OK	
Mar 16 2012	18"	17mmAT	2012 M.M.	
Mar 01 2011	12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES	
Mar 08 2010	12"	11mmT6	M.M. 2010 MANUAL SETTING CIRCLES	
Mar 20 2009	16"	26mm	MESSIER MARATHON - 2009	
Aug 20 2006	1.9"	12x50	VF,PS,AV,R=F	
Mar 27 2006	8"	19mmW	F,L,R=F, DENSE	
Jun 14 2004	8"	25mmPL	SPOTTY CLOUDS - MEGASTAR CONTROL	

Observations by Messier Objects

NGC 3556 UMa	M108	H46-5	Galaxy SB(s)cd sp	CB,VL,VME79,PBM,R	M 108 ESO 29-26 PGC 34030
Apr 20 2018	12"	11mmT6			
Jul 15 2015	12"	17mmT4			
May 23 2015	12"	11mmT6			
Mar 16 2012	18"	17mmAT	2012 M.M.		
Mar 01 2011	12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES		
Mar 08 2010	12"	26mm	M.M. 2010 MANUAL SETTING CIRCLES		
Mar 20 2009	16"	26mm	MESSIER MARATHON - 2009		
Mar 08 2007	1.9"	12x50	F,S,EON,NND,R=F		
Aug 20 2006	1.9"	12x50	PF,PS,OVAL,NND,R=F		
Mar 19 2006	8"	19mmW	FB,FL,EL,EON,RNUC,R=G		
Mar 19 2004	8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS		
Dec 26 2003	8"	25mmPL	Q/M COLD		
NGC 3992 UMa	M109	H61-4	Galaxy SB(rs)bc	CB,VL,PME,SBMBRN	M 109 UGC 691 PGC 37617
Apr 20 2018	12"	11mmT6			
Jul 15 2015	12"	17mmT4			
Mar 16 2012	18"	17mmAT	2012 M.M.		
Mar 01 2011	12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES		
Mar 08 2010	12"	26mm	M.M. 2010 MANUAL SETTING CIRCLES		
Mar 20 2009	16"	26mm	MESSIER MARATHON - 2009		
Mar 19 2006	8"	19mmW	F,FS,OVAL,NND,R=F		
Mar 19 2004	8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS		
Mar 09 2004	8"	25mmPL	COMPTER = ARGO NAVIS		
NGC 205 And	M110	H18-5	Galaxy E5 pec	VB,VL,ME165,VGVMBM	M 110 UGC 5 MCG 0-1-21 CGCG
Jan 25 2018	12"	11mmT6	NICE OBJECT		
Sep 02 2016	12"	35mm A	SUPER		
Dec 05 2015	12"	17mmT4			
Aug 21 2015	12"	8mm Ds			
Oct 26 2014	12"	22mmAT	EYE CANDY		
Jul 13 2013	18"	35mm A	MORE EYE CANDY		
Mar 16 2012	18"	17mmAT	2012 M.M.		
Mar 01 2011	12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES		
Aug 31 2010	12"	17mmAT	NIGHT ENDING EYE CANDY		
Mar 08 2010	12"	32mmUW	M.M. 2010 MANUAL SETTING CIRCLES		
Dec 16 2009	12"	20mmUW			
Mar 20 2009	1.9"	12x50	MESSIER MARATHON - 2009		
Aug 20 2006	1.9"	12x50	B,L,OVAL,UB,NND,R=G		
Mar 19 2006	8"	25mmPL	PB,ML,OVALFNUC,HISB,R=G		
Oct 27 2004	31"	31mmT5	VB,ML,OVALL,HISB,R=E, LUNAR ECLIPSE		
Mar 19 2004	8"	25mmPL	2004 MESSIER MARATHON - ARGO NAVIS		
Dec 26 2003	8"	25mmPL	Q/M COLD		