

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
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
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		
NGC 6121 Sco	M4		Globular	CL,8OR1OB*LINE,RRR	M 4
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		

Observations by Messier Objects

NGC 5904 Ser	M5		Globular	GCL,VB,L,ECM,*11..15	M 5
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	
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		
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
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
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		

Observations by Messier Objects

NGC 6254 Oph M10		Globular	GCL,B,VL,R,GVMBM,RRR	M 10
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	
NGC 6705 Sct M11		Open Cluster 11.0 I 2 rCL,VB,L,IR,RI,*9,		M 11 Wild Duck Cluster Cr 391
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
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
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
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
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
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	
NGC 6618 Sgr	M17	Nebula EN+OC	B,EL,EIF,2HOOKED	M 17 Omega Nebula SH2-45 LBN
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
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	

Observations by Messier Objects

NGC 6273 Oph M19		Globular	GCL,VB,L,R,VCM,RRR	M 19
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
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	
NGC 6531 Sgr M21		Open Cluster 8.0 I 3 r	CL,PRI,LC,ST9...12	M 21 Cr 363
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
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
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	

Observations by Messier Objects

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	
NGC 6694 Sct	M26	Open Cluster 11.0 II 3	CL,CL,PRI,PC,ST12.15	M 26 Cr 389
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,DUMBABEL	M 27 Dumbbell Nebula Henize 2-4
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,GECCM,RRR	M 28
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	

Observations by Messier Objects

NGC 6913 Cyg	M29		Open Cluster 9.0 II 3 mCL,P,LC,STL\$\$	M 29 Cr 422
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	
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
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	
NGC 221 And	M32		Galaxy cE2 VVB,L,R,PSMBMN	M 32 8ZW2 PGC 2555
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	

Observations by Messier Objects

NGC 598	Tri	M33	H17-5	Galaxy SA(s)cd	EB,EL,R,VGBMN	6	M 33 Triangulum Galaxy UGC 63
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		

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
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		

Observations by Messier Objects

NGC 2099	Aur	M37	Open Cluster 11.0 I 2 rCL,RI,PCM,ST L\$\$	M 37 Cr 75
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	
NGC 1912	Aur	M38	Open Cluster 8.0 II 2 r CL,B,VL,VRI,IF,STL\$\$	M 38 Cr 67
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
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	

Observations by Messier Objects

NGC 2287 CMa M41		Open Cluster 8.0 I 3 r CL,VL,B,LC,ST 8...		M 41 Cr 118
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.	
NGC 1976 Ori M42		Nebula EN+RN	THETAORI \$GREAT NEB	M 42 Orion Nebula LBN 974
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
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	

Observations by Messier Objects

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	

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
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.	

Observations by Messier Objects

NGC 4472 Vir	M49	Galaxy E2	VB,L,R,MBM,R	M 49 MCG 6-3-25 CGCG 520-31 F
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	
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
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
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
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
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
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	
NGC 6720 Lyr M57		Planetary Neb 4+3	RINGNEB,B,PL,CE,LYRA	M 57 Ring Nebula PK 63+13.1 PN
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	

Observations by Messier Objects

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
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		
NGC 4649 Vir	M60		Galaxy E2	VB,PL,R,FOF DNEB	M 60 ESO 151-39 PGC 42831
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		

Observations by Messier Objects

NGC 5055 CVn M63	Galaxy SA(rs)bc	VB,L,PME120,VSMBMBN	M 63 Sunflower Galaxy UGC 928
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		
NGC 4826 Com M64	Galaxy (R)SA(rs)ab	VB,VL,VME120,BMSBN	M 64 Black-eye Galaxy CGCG 384
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
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
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.		

Observations by Messier Objects

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.	
NGC 4590 Hya	M68		Globular GCL,L,ERI,VC,IR,ST12	M 68
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
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
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
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	

Observations by Messier Objects

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		
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
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
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	
NGC 3031 UMa	M81	Galaxy SA(s)ab	EB,EL,E156,GSVMBMBN 2	M 81 Bode's Nebula UGC 527 M81
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	

Observations by Messier Objects

NGC 3034 UMa	M82	H79-4	Galaxy I0 sp	VB,VL,VME(RAY)	M 82 UM283 PGC 28655
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		
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
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
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/
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		

Observations by Messier Objects

NGC 4486 Vir	M87		Galaxy E+0-1 pec	VB,VL,R,MBM,3RD OF 3	M 87 UGC 791 MCG 0-4-52 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 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		
NGC 4501 Com	M88		Galaxy SA(rs)b	B,VL,VME	M 88 CGCG 385-49 PGC 41517
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
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
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.	
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.	

Observations by Messier Objects

NGC 3587 UMa M97		Planetary Neb 3a	PLN,VB,VL,R,VVG,VSBM	M 97 Owl Nebula PK 148+57.1 PI
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	
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	

Observations by Messier Objects

NGC 5457 UMa M101	Galaxy SAB(rs)cd	PB,VL,IR,G,VSMBMBSN 4	M 101 UGC 1035 MCG 8-3-23 CG
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
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	
NGC 4594 Vir M104 H43-1	Galaxy SA(s)a sp	VB,VL,EE92,VSMBMN	M 104 Sombrero Galaxy MCG 5-4
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	

Observations by Messier Objects

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
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
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		
NGC 3556 UMa	M108	H46-5	Galaxy SB(s)cd sp	CB,VL,VME79,PBM,R	M 108 ESO 29-26 PGC 34030
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
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		

Observations by Messier Objects

NGC 205	And	M110	H18-5	Galaxy E5 pec	VB,VL,ME165,VGVMBM	M 110 UGC 5	MCG 0-1-21	CGCG
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				