

Observations by Messier Objects

NGC 1952 Tau	M1	Nebula E	VB,VL,E135,VGLBM,R	M 1 Crab Nebula Supernova Remi
Mar 08 2013	36" 17mmT4	MESSIER MARATHON 2013		
Feb 05 2005	31" 31mmT5	EB,EL,OVAL,HISB,MANY F**S IN NEB,PATCHY AREAS DET,BEST EVER TO DATE,R=E		
Mar 19 2004	12.5" 12mmT4	MESSIER MARATHON 2004		
Dec 26 2003	31" 17mmT4	VB,EL,OVAL,SEVERAL **S IN OBJECT,PATCH AREAS DET,BEST OBSERVATION TO DATE,M1,R=		
Dec 25 1984	12.5" 12mm	SAME,VB,VL		
Mar 02 1984	10" 20mm	SAME		
Mar 27 1982	12.5" 12mm	EDGES START TO BREAK UP,HISB		
Mar 27 1982	12.5" 24mm	SNR,DIF,MB,ML,HISB,OVAL,MOD BM		
Mar 27 1981	12.5" 24mm	MESSIER MARATHON 1981		
Oct 31 1980	12.5" 24mm			
Oct 29 1980	8" 24mm			
Sep 18 1980	12.5" 24mm			
Sep 10 1980	12.5" 24mm			
Sep 09 1980	12.5" 24mm			
Sep 07 1980	12.5" 24mm			
Aug 22 1980	12.5" 24mm			
NGC 7089 Aqr	M2	Globular	GCL,B,VL,GPMBM,RRR	M 2
Jul 05 2008	31" 17mmT4	EB,VL,BRT CORE RESOLVED,CLASS II,HISB MIDDLE,R=E		
Mar 22 2004	12.5" 12mmT4	MESSIER MARATHON 2004		
Jul 09 1983	12.5" 12mm	VB,VL,RESOLVED,BM,HUNDREDS OF **S VISIBLE FAR FROM NUC,HISB MIDDLE		
Jul 10 1981	12.5" 16mm	RESOLVED TO CORE		
Mar 27 1981	12.5" 24mm	MESSIER MARATHON 1981		
Oct 31 1980	12.5" 24mm			
Sep 09 1980	12.5" 24mm			
Jul 17 1980	12.5" 24mm			
Jun 20 1980	12.5" 24mm			
Jun 18 1980	12.5" 9mm	EXCELLENT UNDER HIGH POWER,USE BARLOW		
NGC 5272 CVn	M3	Globular	GCL,EB,VL,VSMBM,*11.	M 3
Apr 11 2015	36" 17mmT4	EB,EL,BRTHISB CORE RESOLVED,3-D LIKE,AMAZING,HUNDREDS OF **S RESOLVED,~TYPE VI,R=		
May 14 2010	31" 17mmT4	EB,EL,HISB GLOW IN NUC,RESOLVED,TYPE III,LARGE TIGHT CORE,HUNDREDS F**S SCATTEREI		
Feb 04 2005	31" 17mmT4	EB,EL,RESOLVED TO CORE,OUTSTANDING,BEST TO DATE,PAIRS=MAC,R=E		
Mar 19 2004	12.5" 12mmT4	MESSIER MARATHON 2004		
Feb 15 2004	31" 17mmT4	EB,EL,M3,THOUSANDS OF **S,RESOLVED TO CORE,BEST TODATE,WELL PLACED,PAIRS=MAC,R		
Jan 28 1982	12.5" 16mm	VB,VL,RESOLVED TO THE CORE,HUNDREDS OF **S,LOOKS SOMEWHAT 3-D		
Mar 27 1981	12.5" 24mm	MESSIER MARATHON 1981		
Jul 14 1980	12.5" 24mm			
Jul 11 1980	12.5" 24mm			
Jul 05 1980	12.5" 24mm			
Apr 18 1980	6" 24mm			
Apr 16 1980	6" 24mm			

Observations by Messier Objects

NGC 6121 Sco	M4	Globular	CL,8OR1OB*LINE,RRR	M 4
May 09 2010	31" 17mmT4	VB,EL,TYPE VIII,RESOLVED TO	CORE,WIDELY SCATTERED	OUTTER HALO,VARIOUS MAG'S,COI
Mar 22 2004	12.5" 12mmT4	MESSIER MARATHON 2004		
Mar 27 1981	12.5" 24mm	MESSIER MARATHON 1981		
Sep 10 1980	12.5" 24mm			
Sep 03 1980	12.5" 24mm			
Jul 17 1980	12.5" 24mm			
Jun 20 1980	12.5" 24mm			
Jun 18 1980	12.5" 16mm	LOOKS IMPRESSIVE		
May 07 1980	5" 9mm			
Apr 16 1980	6" 24mm			
NGC 5904 Ser	M5	Globular	GCL,VB,L,ECM,*11..15	M 5
Mar 16 2010	31" 17mmT4	EB,EL,FILLS FOV,RESOLVED TO	CORE,HUNDREDS OF *S,	NICE TIGHT NUC,AV RESOLVES MORI
Mar 19 2004	12.5" 12mmT4	MESSIER MARATHON 2004		
May 31 1981	12.5" 16mm	EB,EL		
Mar 27 1981	12.5" 24mm	MESSIER MARATHON 1981		
Jul 11 1980	12.5" 24mm			
Jun 18 1980	12.5" 24mm			
Jun 10 1980	6" 24mm			
NGC 6405 Sco	M6	Open Cluster 5.5 II 3 r	CL,L,IR,LC,ST7,10...	M 6 Butterfly Cluster Cr 341
Mar 22 2004	12.5" 12mmT4	MESSIER MARATHON 2004		
Mar 27 1981	12.5" 24mm	MESSIER MARATHON 1981		
Sep 10 1980	12.5" 24mm			
NGC 6475 Sco	M7	Open Cluster 7.0 I 3 r	CL,VB,PRI,LC,*7...12	M 7 Cr 354
Mar 22 2004	12.5" 12mmT4	MESSIER MARATHON 2004		
Mar 27 1981	12.5" 24mm	MESSIER MARATHON 1981		
Sep 10 1980	12.5" 24mm			
NGC 6523 Sgr	M8	Nebula E	VB,EL,EIF,W/LCL	M 8 Lagoon Nebula IC 1271 LBN
Sep 11 2012	36" 31mmT5	EB,EEL,HISB,W/OIII, 2XFOV,	SOFT FILIMENTS GAS	WARIOUS BRTNESS,DARK DUST THROUGH C
Mar 22 2004	12.5" 12mmT4	MESSIER MARATHON 2004		
Sep 20 1984	12.5" 16mm	VB,VL,LAGOON NEBULA,DARK PATCH ALL WAY THROUGH,BRT AREAS OF NEB ONE SIDE		
Sep 20 1981	12.5" 24mm			
Mar 27 1981	12.5" 24mm	MESSIER MARATHON 1981		
Sep 10 1980	12.5" 24mm			
Sep 03 1980	12.5" 24mm			
Jul 17 1980	12.5" 24mm			
Jul 15 1980	12.5" 24mm			
Jun 10 1980	6" 24mm			
May 07 1980	5" 9mm			

Observations by Messier Objects

NGC 6333 Oph M9		Globular	GCL,B,L,R,ECM,RRR,	M 9
Mar 22 2004	12.5" 12mmT4	MESSIER MARATHON 2004		
Jul 21 1984	12.5" 12mm	MB,ML,BNUC,OUTTER *S RESOLVED,HISB,*S GLOWING BEHIND		
Jun 04 1981	12.5" 24mm	MB,ML,BNUC		
Mar 27 1981	12.5" 24mm	MESSIER MARATHON 1981		
Jul 11 1980	12.5" 24mm			
Jun 18 1980	12.5" 24mm			
Jun 10 1980	6" 24mm			
Apr 16 1980	6" 24mm			
NGC 6254 Oph M10		Globular	GCL,B,VL,R,GVMBM,RRR	M 10
Mar 22 2004	12.5" 12mmT4	MESSIER MARATHON 2004		
Jul 21 1984	12.5" 12mm	VB,VL,BNUC,BRT THAN M12,CORE RESOLVING WITH FAINT BACKGROUND GLOW,HISB		
Jun 04 1981	12.5" 24mm	EB,PL,BNUC,6 MAG *S		
Mar 27 1981	12.5" 24mm	MESSIER MARATHON 1981		
Sep 10 1980	12.5" 24mm			
Jul 11 1980	12.5" 24mm			
Jun 18 1980	12.5" 24mm			
Jun 10 1980	6" 24mm			
May 07 1980	5" 9mm			
Apr 16 1980	6" 24mm			
NGC 6705 Sct M11		Open Cluster 11.0 I 2 rCL,VB,L,IR,RI,*9,		M 11 Wild Duck Cluster Cr 391
Mar 22 2004	12.5" 12mmT4	MESSIER MARATHON 2004		
Mar 27 1981	12.5" 24mm	MESSIER MARATHON 1981		
Jul 15 1980	12.5" 24mm			
May 07 1980	5" 9mm			
NGC 6218 Oph M12		Globular	GCL,VB,VL,IR,GMBM	M 12
Mar 22 2004	12.5" 12mmT4	MESSIER MARATHON 2004		
Jul 21 1984	12.5" 16mm	EB,VL,BNUC,B* OUTSIDE CENTER,MANY B*S RESOLVED,MOD HISB,HUNDREDS OF FIELD *S		
Jun 04 1981	12.5" 24mm	EB,EL,BNUC,6 MAG *S		
Mar 27 1981	12.5" 24mm	MESSIER MARATHON 1981		
Sep 10 1980	12.5" 24mm			
Jul 11 1980	12.5" 24mm			
Jun 18 1980	12.5" 24mm			
Jun 10 1980	6" 24mm			
May 07 1980	5" 9mm			
Apr 16 1980	6" 24mm			

Observations by Messier Objects

NGC 6205 Her	M13	Globular	GCL,EB,VRI,VGECM,*11	M 13 Great Cluster in Hercules
Mar 19 2004	12.5" 12mmT4		MESSIER MARATHON 2004	
Feb 25 1982	12.5" 16mm		VB,VL,BNUC,RESOLVED TO CORE,BEAUTIFUL!!!,HUNDREDS OF *S	
Sep 20 1981	12.5" 24mm			
Mar 27 1981	12.5" 24mm		MESSIER MARATHON 1981	
Sep 10 1980	12.5" 24mm			
Sep 03 1980	12.5" 24mm			
Jul 14 1980	12.5" 24mm			
Jul 12 1980	12.5" 24mm			
Jul 11 1980	12.5" 24mm			
Jul 05 1980	12.5" 24mm			
Jun 20 1980	12.5" 24mm			
Jun 18 1980	12.5" 9mm		LOOKS GREAT!!!	
Jun 17 1980	12.5" 24mm		OK,RESOLVED TO CORE IN 9MM,24MM AND BARLOW BEAUTIFUL!!!	
Jun 10 1980	6" 24mm			
Apr 18 1980	6" 24mm			
Apr 16 1980	6" 24mm			
NGC 6402 Oph	M14	Globular	GCL,B,VL,R,ERI,VGMBM	M 14
Apr 14 2004	31" 17mmT4		EB,EL,VERY BNUC,M14,100'S OF *S RESOLVED TO CORE,BEST TO DATE,LARGE CORE AREA	
Mar 22 2004	12.5" 12mmT4		MESSIER MARATHON 2004	
Jul 21 1984	12.5" 12mm		MB,PL,BNUC,OUTTER *S RESOLVED,R,HISB MIDDLE	
Jun 04 1981	12.5" 24mm		VB,VL	
Mar 27 1981	12.5" 24mm		MESSIER MARATHON 1981	
Jun 18 1980	12.5" 24mm			
Jun 10 1980	6" 24mm			
NGC 7078 Peg	M15	Globular	GCL,VB,VL,IR,VSMBM	M 15
Jul 05 2008	31" 17mmT4		EB,EL,RESOLVED,THOUS *S,3D EFFECT,CLASS V,*S OUTER EDGE SCATTERED,R=E	
Mar 22 2004	12.5" 12mmT4		MESSIER MARATHON 2004	
Sep 21 1984	12.5" 16mm		SAME	
Jul 06 1983	12.5" 12mm		VB,VL,BNUC,SMALL BRT NUC,RESOLVED HALO OF HUNDREDS OF *S	
Jul 29 1981	12.5" 16mm		EB,PL,BNUC,BRT HALO OF *S	
Mar 27 1981	12.5" 24mm		MESSIER MARATHON 1981	
Sep 07 1980	12.5" 24mm			
Jul 15 1980	12.5" 24mm			
Jul 12 1980	12.5" 24mm			
Jul 11 1980	12.5" 24mm			
Jul 11 1980	12.5" 24mm			
Jul 05 1980	12.5" 24mm			
Jun 20 1980	12.5" 24mm			
Jun 17 1980	12.5" 24mm			

Observations by Messier Objects

NGC 6611 Ser	M16	Open Cluster 11.0 II 3 iCL,ATLEAST100* L\$\$	M 16 Eagle Nebula Cr 375
Sep 11 2012	36" 31mmT5	EB,EL,W/OIII,CLUSTER APPROX 12*S OFF ONE SIDE,VARIOUS MAG,LOOSLY GROUPED,2 WING:	
Mar 22 2004	12.5" 12mmT4	MESSIER MARATHON 2004	
May 31 1981	12.5" 16mm	VB,EL,CLUSTER ASSOC WITH EAGLE NEB	
Mar 27 1981	12.5" 24mm	MESSIER MARATHON 1981	
Jun 18 1980	12.5" 24mm		
Jun 17 1980	12.5" 24mm		
Jun 10 1980	6" 24mm		
NGC 6618 Sgr	M17	Nebula EN+OC B,EL,EIF,2HOOKED	M 17 Omega Nebula SH2-45 LBN
Sep 11 2012	36" 31mmT5	EB,EEL,VERY HISB,W/OIII,ABSOL AWESOME,CAN MAKE OUT THE SWAN IN DETAIL,BODY FAINT	
Mar 22 2004	12.5" 12mmT4	MESSIER MARATHON 2004	
Sep 21 1984	12.5" 24mm	EB,VL,OMEGA NEB,CRACKS DET,DARK CLOUD DET IN W EDGE,FINE FILAMENTS OF NEB	
Sep 20 1981	12.5" 24mm		
Mar 27 1981	12.5" 24mm	MESSIER MARATHON 1981	
Sep 10 1980	12.5" 24mm		
Sep 03 1980	12.5" 24mm		
Jul 17 1980	12.5" 24mm		
Jul 17 1980	12.5" 24mm		
Jul 15 1980	12.5" 24mm	NICE!!,NEB FILTER SHOWS QUESTION MARK EASILY	
Jun 17 1980	12.5" 24mm		
Jun 10 1980	6" 24mm		
NGC 6613 Sgr	M18	Open Cluster 8.7 II 3 pCL,P,VLC	M 18 Cr 376
Mar 22 2004	12.5" 12mmT4	MESSIER MARATHON 2004	
Mar 27 1981	12.5" 24mm	MESSIER MARATHON 1981	
Jul 17 1980	12.5" 24mm		
NGC 6273 Oph	M19	Globular GCL,VB,L,R,VCM,RRR	M 19
Mar 22 2004	12.5" 12mmT4	MESSIER MARATHON 2004	
Jul 21 1984	12.5" 16mm	MB,PL,BNUC,BRT * JUST OUTSIDE CORE,NOT MANY *S RESOLVED,HISB	
Jun 04 1981	12.5" 24mm	MB,ML,BNUC	
Mar 27 1981	12.5" 24mm	MESSIER MARATHON 1981	
Jun 18 1980	12.5" 24mm		
NGC 6514 Sgr	M20 H41-4	Nebula EN+OC VB,VL,TRIFID,D*INV	M 20 Trifid Nebula LBN 27
Sep 11 2012	36" 31mmT5	EB,EL W/OIII NICE D* IN CLUSTER,BROKEN PARTS,DARK LANES,BLUEISH GREEN ONE HALF,OT	
Mar 22 2004	12.5" 12mmT4	MESSIER MARATHON 2004	
Sep 20 1984	12.5" 24mm	SAME,TRIFID NEBULA	
Aug 13 1982	12.5" 24mm	MB,VL,DUST LANES EASILY DET,BRT DOUBLE * IN CENTER,BOTH PARTS DET	
Sep 20 1981	12.5" 24mm		
Mar 27 1981	12.5" 24mm	MESSIER MARATHON 1981	
Sep 10 1980	12.5" 24mm		
Jul 17 1980	12.5" 24mm		
Jul 15 1980	12.5" 32mm	GREAT!!,DOUBLE * IS IN CENTER OF NEB	
Jun 18 1980	12.5" 24mm		
Jun 10 1980	6" 24mm		
May 07 1980	5" 9mm		

Observations by Messier Objects

NGC 6531 Sgr	M21	Open Cluster 8.0 I 3 r CL,PRI,LC,ST9...12	M 21 Cr 363
Sep 11 2012	36" 31mmT5	VB,EL,2B*S SAME MAG CENTER,LOOSLY SCATTERED,* VAR MAG,INNER RING OF *S SIM MAG,F	
Mar 22 2004	12.5" 12mmT4	MESSIER MARATHON 2004	
Sep 20 1984	12.5" 16mm	VB,ML,APPROX 20*S,LOOSE,B* IN CENTER	
Mar 27 1981	12.5" 24mm	MESSIER MARATHON 1981	
Jul 17 1980	12.5" 24mm		
Jun 18 1980	12.5" 24mm		
Jun 10 1980	6" 24mm		
NGC 6656 Sgr	M22	Globular GCL,VB,VL,R,VRI,VMC	M 22
Sep 11 2012	36" 17mmT4	EB,VL,RESOVLED TO CORE,HUNDREDS OF *S,CORE HISB OVAL TO ROUND,FILLS 1/2 FOV,AWE	
Mar 22 2004	12.5" 12mmT4	MESSIER MARATHON 2004	
Sep 20 1984	12.5" 16mm	VB,VL,RESOLVED,HUNDREDS OF *S,HISB MIDDLE,BRT *S APPROX SAME MAG	
Sep 20 1981	12.5" 24mm		
Mar 27 1981	12.5" 24mm	MESSIER MARATHON 1981	
Sep 10 1980	12.5" 24mm		
Jul 17 1980	12.5" 24mm		
Jul 15 1980	12.5" 24mm		
Jun 18 1980	12.5" 24mm		
Jun 17 1980	12.5" 24mm		
Jun 10 1980	6" 24mm		
NGC 6494 Sgr	M23	Open Cluster 10.0 II 2 CL,B,VL,PRI,LC,*10..	M 23 Cr 356
Mar 22 2004	12.5" 12mmT4	MESSIER MARATHON 2004	
Sep 20 1984	12.5" 24mm	MB,VL,*S LOOSE & SCATTERED,*S APPROX SAME MAG,CLUSTERING DET N PART	
Mar 27 1981	12.5" 24mm	MESSIER MARATHON 1981	
Jul 17 1980	12.5" 24mm		
Jun 18 1980	12.5" 24mm		
NGC 6603 Sgr	M24	Open Cluster 14.0 I 2 CL,VRI,VMC,R,M WAY	M 24
Sep 11 2012	36" 31mmT5	MB,PL,100-200*S SIMULAR MAG,NICELY CLUSTERED,OBJECT FAINTER THAN MOST FOREGROL	
Mar 22 2004	12.5" 12mmT4	MESSIER MARATHON 2004	
Mar 27 1981	12.5" 24mm	MESSIER MARATHON 1981	
Jul 17 1980	12.5" 24mm		
Jun 10 1980	6" 24mm		
IC 4725 Sgr	M25	Open Cluster 8.0 I 3 m	M 25 Cr 382
Mar 22 2004	12.5" 12mmT4	MESSIER MARATHON 2004	
Mar 27 1981	12.5" 24mm	MESSIER MARATHON 1981	
Jul 17 1980	12.5" 24mm	M25	
NGC 6694 Sct	M26	Open Cluster 11.0 II 3 CL,CL,PRI,PC,ST12.15	M 26 Cr 389
Mar 22 2004	12.5" 12mmT4	MESSIER MARATHON 2004	
Mar 27 1981	12.5" 24mm	MESSIER MARATHON 1981	

Observations by Messier Objects

NGC 6853 Vul	M27	Planetary Neb 3+2	VB,VL,BIN,IE,DUMBDEL	M 27 Dumbbell Nebula	Henize 2-4
Jul 05 2008	31" 17mmT4	VB,EL,W/OIII,MORE DETAIL,ONE SIDE MORE NEB THAN OTHER,BULGE,FINE DETAILS,C*,R=E			
Mar 22 2004	12.5" 12mmT4	MESSIER MARATHON 2004			
Aug 20 2003	31" 25mm	EB,EL,EXTREMELY HISB,ABOUT DOZEN *S INSIDE NEB,DETAILED AND PATCHY,R=E			
Jun 27 2003	12.5" 9mmT6	EB,EL,OIII FILTER ABSOLUTLY UNBELIEVABLE.DETAIL IN NEBULOSITY.BEST TO DATE,R=E			
Sep 19 1984	12.5" 12mm	VB,VL,HOUR GLASS SHAPE VERY EASILY DET,FAINT OUTER LOB DET BOTH SIDES			
Sep 20 1981	12.5" 24mm				
Jul 30 1981	12.5" 12mm	BLUE GREEN,*S SEEN IN NEB,VB,EL,CENTRAL * DET			
Mar 27 1981	12.5" 24mm	MESSIER MARATHON 1981			
Sep 10 1980	12.5" 24mm				
Sep 07 1980	12.5" 24mm				
Jul 15 1980	12.5" 24mm				
Jul 11 1980	12.5" 24mm				
Jul 05 1980	12.5" 24mm				
Jun 20 1980	12.5" 24mm				
Jun 17 1980	12.5" 24mm				
Jun 10 1980	6" 24mm				
NGC 6626 Sgr	M28	Globular	GCL,VB,L,R,GECM,RRR	M 28	
Sep 11 2012	36" 17mmT4	VB,VL,HISB,RESOLVED TO CORE,HUNDREDS OF *S SIMILAR MAG,WELL PLACED IN FOV,MOD			
Mar 22 2004	12.5" 12mmT4	MESSIER MARATHON 2004			
Sep 20 1981	12.5" 24mm				
Mar 27 1981	12.5" 24mm	MESSIER MARATHON 1981			
Jul 17 1980	12.5" 24mm				
Jun 18 1980	12.5" 24mm				
Jun 17 1980	12.5" 24mm				
Jun 10 1980	6" 24mm				
NGC 6913 Cyg	M29	Open Cluster 9.0 II 3 mCL,P,LC,STL\$\$		M 29 Cr 422	
Mar 22 2004	12.5" 12mmT4	MESSIER MARATHON 2004			
Jun 23 2003	12.5" 9mmT6	EB,EL,APPROX 50*,VARIOUS MAGNITUDES,WELL PLACED IN 9MM,R=G			
Jul 24 1981	12.5" 16mm	MB,ML			
Mar 27 1981	12.5" 24mm	MESSIER MARATHON 1981			
Jul 05 1980	12.5" 24mm				
Jun 20 1980	12.5" 24mm				
NGC 7099 Cap	M30	Globular	GCL,B,L,LE,GPMBM	M 30	
Sep 28 2013	36" 17mmT4	M30,EB,VL,HISB,ABOUT A DOZEN B* WITH HUNDREDS FAINTER *,RESOLVED TO CORE,HISB CC			
Sep 04 2005	10" 12mmT4	VB,PL,RESOLVED TO CORE,SEVERAL HUNDRED *S,HISB IN CORE,F OUTER HALO GLOW,R=E			
Jul 08 1983	12.5" 16mm	MB,PL,BNUC,MORE *S SCATTERED TO N,B*S TO N,BNUC,OUTTER *S RESOLVED			
Jul 10 1981	12.5" 16mm	MB,PS,BRT CENTRAL REGION,GBM,HALO OF F*S			
Sep 10 1980	12.5" 24mm				

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NGC 224	And	M31	Galaxy SA(s)b	EEB,EL,VME,ANDROMEDA 17	M 31 Great Nebula in Andromeda
Mar 19 2004	12.5"	12mmT4	MESSIER MARATHON 2004		
Aug 31 1984	12.5"	24mm	EB,EL,BNUC,DUST LANES DET,B* BY NUC,RB NUC,EBM,ARMS STRETCH ACROSS FIELD		
Mar 02 1984	10"	20mm	SAME		
Sep 23 1981	12.5"	32mm	S ARM B THAN N,2 DARK LANES S ARM THROUGHOUT,EB,EL,BNUC,BARMS		
Sep 20 1981	12.5"	24mm			
Mar 27 1981	12.5"	24mm	MESSIER MARATHON 1981		
Sep 10 1980	12.5"	24mm			
Aug 22 1980	12.5"	24mm			
Aug 19 1980	12.5"	24mm			
Jul 24 1980	12.5"	32mm	BEST OBSERVED TO DATE		
Jul 17 1980	12.5"	24mm			
Jul 14 1980	12.5"	24mm			
Jul 11 1980	12.5"	24mm			
Jun 17 1980	12.5"	24mm			

NGC 221	And	M32	Galaxy cE2	VVB,L,R,PSMBMN	M 32 8ZW2 PGC 2555
Sep 14 2012	36"	17mmT4	EB,EL,OVAL,R,SMALL BNUC,PATCHY AREAS IN LARGE HALO,VMBM,HISB,R=E		
Mar 19 2004	12.5"	12mmT4	MESSIER MARATHON 2004		
Aug 31 1984	12.5"	12mm	VB,MS,F * NE SEVERAL GAL DIA,VMBM,OVAL,HISB,HALO		
Mar 02 1984	10"	20mm	SAME		
Sep 23 1981	12.5"	16mm	VMBM,HALO,BNUC,VR,ML,VB		
Sep 20 1981	12.5"	24mm			
Mar 27 1981	12.5"	24mm	MESSIER MARATHON 1981		
Sep 10 1980	12.5"	24mm			
Aug 22 1980	12.5"	24mm			
Aug 19 1980	12.5"	24mm			
Jul 24 1980	12.5"	32mm	BEST OBSERVED TO DATE		
Jul 17 1980	12.5"	24mm			
Jul 14 1980	12.5"	24mm			
Jul 11 1980	12.5"	24mm			
Jun 17 1980	12.5"	24mm			

NGC 598	Tri	M33	H17-5	Galaxy SA(s)cd	EB,EL,R,VGBMN 6	M 33 Triangulum Galaxy UGC 63
Sep 14 2012	36"	17mmT4	EB,EEL,BNUC,SEVERAL FOV'S,KNOTS,SPR STR,H2 REGIONS,DUST,ARMS,TONS OF DETAIL,R=			
Mar 19 2004	12.5"	12mmT4	MESSIER MARATHON 2004			
Mar 02 1984	10"	20mm	SAME			
Sep 23 1981	12.5"	16mm	MB,EL,BARM,SPIRAL STR DETECTED,H2 REGIONS DET,2-3 MAJOR ARMS SEEN			
Sep 20 1981	12.5"	24mm				
Mar 27 1981	12.5"	24mm	MESSIER MARATHON 1981			
Oct 31 1980	12.5"	24mm				
Sep 18 1980	12.5"	24mm				
Sep 10 1980	12.5"	32mm	GREAT!!,SEVERAL ARMS,STR SEEN			
Sep 07 1980	12.5"	24mm				
Sep 03 1980	12.5"	24mm				
Aug 22 1980	12.5"	24mm				
Aug 19 1980	12.5"	32mm				
Jul 24 1980	12.5"	32mm	BEST I'VE EVER SEEN,GREAT!!!			
Jul 15 1980	12.5"	24mm	EF,EL,LOOKS LIKE DIF NEB,NO SPR STR DET			

Observations by Messier Objects

NGC 1039 Per	M34	Open Cluster 9.0 II 3 r CL,B,VL,LC,SC ST9	M 34 Cr 31
Mar 19 2004	12.5" 12mmT4	MESSIER MARATHON 2004	
Mar 02 1984	10" 20mm	SAME	
Oct 03 1981	12.5" 24mm	VB,VL,SCATTERED *S,BETTER IN 32MM	
Sep 20 1981	12.5" 24mm		
Mar 27 1981	12.5" 24mm	MESSIER MARATHON 1981	
Sep 10 1980	12.5" 24mm		
Sep 07 1980	12.5" 24mm		
Jul 17 1980	12.5" 24mm		
Jul 11 1980	12.5" 24mm		
NGC 2168 Gem	M35	Open Cluster 8.0 III 3 rCL,VL,CRI,PC,ST9..16	M 35 Mel 41
Mar 08 2013	36" 17mmT4	MESSIER MARATHON 2013	
Mar 19 2004	12.5" 12mmT4	MESSIER MARATHON 2004	
Mar 02 1984	10" 20mm	SAME	
Mar 27 1982	12.5" 24mm	VB,EL,BRT IN FINDER,HUNDRES OF *S APPROX SAME MAG	
Oct 30 1981	12.5" 24mm	VB,VL,WELL DISPERSED	
Mar 27 1981	12.5" 24mm	MESSIER MARATHON 1981	
Dec 03 1980	12.5" 24mm		
Oct 31 1980	12.5" 24mm		
Sep 10 1980	12.5" 24mm		
NGC 1960 Aur	M36	Open Cluster 9.0 I 3 r CL,B,VL,VRI,CL,*9.11	M 36 Cr 71
Mar 19 2004	12.5" 12mmT4	MESSIER MARATHON 2004	
Mar 02 1984	10" 20mm	SAME	
Mar 27 1982	12.5" 24mm	VB,ML,50*S DISPURSED,M38 BETTER	
Mar 27 1981	12.5" 24mm	MESSIER MARATHON 1981	
Dec 03 1980	12.5" 24mm		
Oct 29 1980	8" 24mm		
Sep 09 1980	12.5" 24mm		
Aug 22 1980	12.5" 24mm		
NGC 2099 Aur	M37	Open Cluster 11.0 I 2 rCL,RI,PCM,ST L\$\$	M 37 Cr 75
Mar 08 2013	36" 17mmT4	MESSIER MARATHON 2013	
Feb 09 2013	36" 31mmT5	EB,EL,APPROX 200*S WELL PLACED,SIMULAR MAG'S,MOD CLUSTERING,R=GE	
Mar 19 2004	12.5" 12mmT4	MESSIER MARATHON 2004	
Mar 02 1984	10" 20mm	SAME	
Mar 27 1982	12.5" 24mm	MB,PL,BEAUTIFUL,WELL PLACED IN 24MM,1B* IN CENTER,* SAME MAG	
Mar 27 1981	12.5" 24mm	MESSIER MARATHON 1981	
Dec 03 1980	12.5" 24mm		
Oct 29 1980	8" 24mm		
Sep 09 1980	12.5" 24mm		
Aug 22 1980	12.5" 24mm		
Apr 16 1980	6" 24mm		

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
Mar 19 2004	12.5" 12mmT4	MESSIER MARATHON 2004	
Mar 02 1984	10" 20mm	SAME	
Mar 27 1982	12.5" 24mm	MB,VL,100*S APPROX SAME MAG,WELL PLACED IN 24MM	
Mar 27 1981	12.5" 24mm	MESSIER MARATHON 1981	
Dec 03 1980	12.5" 24mm		
Oct 29 1980	8" 24mm		
Sep 09 1980	12.5" 24mm		
Aug 22 1980	12.5" 24mm		
NGC 7092 Cyg	M39	Open Cluster 7.0 III 2 CL,VL,VP,VLC,*7...10	M 39 Cr 438
Mar 22 2004	12.5" 12mmT4	MESSIER MARATHON 2004	
Mar 27 1981	12.5" 24mm	MESSIER MARATHON 1981	
Jun 17 1980	12.5" 24mm		
WINN4 UMa	M40	Unknown STAR	M 40 WINNECKE 4 KUG 2357+22
Mar 19 2004	12.5" 12mmT4	MESSIER MARATHON 2004	
Mar 02 1984	10" 20mm	MB,MS,2*S APPROX SAME MAG,LOC IN BARREN * FIELD	
Mar 27 1981	12.5" 24mm	MESSIER MARATHON 1981	
NGC 2287 CMa	M41	Open Cluster 8.0 I 3 r CL,VL,B,LC,ST 8...	M 41 Cr 118
Mar 19 2004	12.5" 12mmT4	MESSIER MARATHON 2004	
Mar 02 1984	10" 20mm	SAME	
Mar 27 1982	12.5" 24mm	VB,EL,WELL DISPERSED IN 24MM,50-100*S WITH MANY F*S IN BACKGROUND	
Mar 27 1981	12.5" 24mm	MESSIER MARATHON 1981	
Dec 03 1980	12.5" 24mm		
Oct 31 1980	12.5" 24mm		
Sep 18 1980	12.5" 24mm		
Sep 10 1980	12.5" 24mm		
NGC 1976 Ori	M42	Nebula EN+RN THETAORI \$GREAT NEB	M 42 Orion Nebula LBN 974
Mar 08 2013	36" 17mmT4	MESSIER MARATHON 2013	
Feb 05 2005	31" 31mmT5	EEB,EEL,SEVERAL FOV'S,AWSOME,COLORS DET,R=E	
Dec 04 2004	31" 31mmT5	DIF,EB,EL,2 FOV'S,ABSOLUTLY THE BEST EVER SEEN TO DATE,COLOR AND SHADES OF COLO	
Dec 04 2004	31" 31mmT5	DIF,EB,EL,WITH OIII,EVEN BETTER,MORE NEB DET,MUCH MORE DETAIL,THE BEST,R=E	
Mar 19 2004	12.5" 12mmT4	MESSIER MARATHON 2004	
Mar 02 1984	10" 20mm	SAME	
Mar 27 1982	12.5" 24mm	VB,ML,3 SHADES OF COLOR VIS,DARK PATCHES,BEAUTIFUL!!!	
Mar 27 1981	12.5" 24mm	MESSIER MARATHON 1981	
Dec 03 1980	12.5" 24mm		
Oct 31 1980	12.5" 24mm		
Oct 29 1980	8" 24mm		
Sep 18 1980	12.5" 24mm	TRAPIZUM BLUE-GREEN,BLUER AS YOU GO OUT,TIPS SHOW RED	
Sep 10 1980	12.5" 24mm		
Sep 09 1980	12.5" 24mm		
Aug 22 1980	12.5" 24mm	BEAUTIFUL!!!	

Observations by Messier Objects

NGC 1982 Ori	M43	H1-3	Nebula E	VB,VL,RW/TAIL,MBM*8	M 43
Mar 08 2013	36"	17mmT4	MESSIER MARATHON 2013		
Dec 04 2004	31"	31mmT5	DIF,EB,EL,WITH OIII,SHADES OF COLORS,INCREDIBLE DETAIL,BEST SEEN TO DATE,R=E		
Mar 19 2004	12.5"	12mmT4	MESSIER MARATHON 2004		
Mar 02 1984	10"	20mm	SAME		
Mar 27 1982	12.5"	24mm	MF,PL,OVERWHELMED BY M42,R,BLUE GREEN GAS,2*S IN NEB		
Mar 27 1981	12.5"	24mm	MESSIER MARATHON 1981		
Dec 03 1980	12.5"	24mm			
Oct 31 1980	12.5"	24mm			
Oct 29 1980	8"	24mm			
Sep 18 1980	12.5"	24mm			
Sep 10 1980	12.5"	24mm			
Aug 22 1980	12.5"	24mm			
NGC 2632 Cnc	M44		Open Cluster 6.0 II 3 PRAESEPE CANCRI		M 44 Praesepe Cr 189
Mar 19 2004	12.5"	12mmT4	MESSIER MARATHON 2004		
Mar 02 1984	10"	20mm	SAME		
Feb 21 1984	12.5"	24mm	EB,EL,BEST IN FINDER,OVERFILLS EYEPIECE		
Mar 27 1982	12.5"	24mm	EB,EL,BEST IN FINDER,OVERFILLS 24MM		
Oct 24 1981	12.5"	24mm	VB,EL,GOOD IN FINDER		
Mar 27 1981	12.5"	24mm	MESSIER MARATHON 1981		
Dec 03 1980	12.5"	24mm			
Oct 31 1980	12.5"	24mm			
Sep 10 1980	12.5"	24mm			
May 07 1980	5"	9mm			
M 45 Tau	M45		Open Cluster		M 45 Pleiades ESO 193-8 FAIR1
Mar 19 2004	12.5"	12mmT4	MESSIER MARATHON 2004		
Mar 02 1984	10"	20mm	BEAUTIFUL IN FINDER,EB,EL		
Sep 20 1981	12.5"	24mm			
Mar 27 1981	12.5"	24mm	MESSIER MARATHON 1981		
Oct 31 1980	12.5"	24mm			
Sep 10 1980	12.5"	32mm			
NGC 2437 Pup	M46		Open Cluster 10.0 II 2 CL,VB,VRI,VL,INV PLN		M 46 Cr 159
Mar 19 2004	12.5"	12mmT4	MESSIER MARATHON 2004		
Mar 02 1984	10"	20mm	SAME,SMALL PLANTARY LOCATED IN CLUSTER		
Mar 27 1982	12.5"	24mm	MF,PL,HUNDREDS OF F* APPROX SAME MAG,WELL DISPERSED		
Mar 27 1981	12.5"	24mm	MESSIER MARATHON 1981		
Dec 03 1980	12.5"	24mm			
NGC 2422 Pup	M47	H38-8	Open Cluster 5.0 I 3 mCL,B,VL,PRI,ST L\$\$		M 47 Cr 152 NGC 2478
Nov 24 2006	12.5"	12mmT4	VB,EL,NOT WELL PLACED,APPROX 20*S,LOOSLY SCATTERED,M47,R=F		
Mar 19 2004	12.5"	12mmT4	MESSIER MARATHON 2004		
Mar 02 1984	10"	20mm	SAME		
Oct 16 1982	12.5"	24mm	VB,VL,FILLS 24MM,B*S,LOOSE AND SCATTERED,APPROX 50*S DIFF MAG		
Mar 27 1982	12.5"	24mm	VB,VL,BRT DOUBLE * IN CENTER,APPROX 25*S,NO CLUSTERING DET,JUST B*S		
Mar 27 1981	12.5"	24mm	MESSIER MARATHON 1981		
Dec 03 1980	12.5"	24mm			

Observations by Messier Objects

NGC 2548 Hya	M48	H22-6	Open Cluster 8.0 I 3 r CL,VL,PRI,PMC,*9..13	M 48 Cr 179
Mar 08 2013	36"	17mmT4	MESSIER MARATHON 2013	
Mar 19 2004	12.5"	12mmT4	MESSIER MARATHON 2004	
Mar 02 1984	10"	20mm	SAME	
Mar 27 1982	12.5"	24mm	MB,EL,FILLS 24MM,BETTER IN FINDER	
Oct 24 1981	12.5"	24mm	VB,EL,BETTER IN FINDER,FILLS UP 24MM	
Mar 27 1981	12.5"	24mm	MESSIER MARATHON 1981	
Dec 03 1980	12.5"	24mm		
NGC 4472 Vir	M49		Galaxy E2 VB,L,R,MBM,R	M 49 MCG 6-3-25 CGCG 520-31 F
Apr 11 2015	36"	17mmT4	EB,VL,VL BRT NUC,BM,HISB MID,* OFF NUC,OVAL PATCH MOD HISB,R=G	
Mar 16 2010	31"	17mmT4	VB,VL,OVAL,LARGE BNUC,LARGE HALO ARMS,GRAD MBM,HISB MIDDLE,F* OFF NUC,R=E	
Mar 19 2004	12.5"	12mmT4	MESSIER MARATHON 2004	
May 01 1981	12.5"	24mm	EB,EL,BNUC,BARM,F* 12 MAG TO S,3F**S TO E	
Mar 27 1981	12.5"	24mm	MESSIER MARATHON 1981	
Jun 10 1980	6"	24mm		
NGC 2323 Mon	M50		Open Cluster 9.0 II 3 r CL,VL,RI,PC,E,	M 50 Cr 124
Mar 08 2013	36"	17mmT4	MESSIER MARATHON 2013	
Mar 19 2004	12.5"	12mmT4	MESSIER MARATHON 2004	
Mar 02 1984	10"	20mm	SAME	
Feb 25 1984	12.5"	24mm	SAME	
Mar 27 1982	12.5"	24mm	MB,PL,HUNDREDS OF *S SAME MAG,SOMEWHAT SET ASIDE FROM FIELD *S	
Mar 27 1981	12.5"	24mm	MESSIER MARATHON 1981	
Sep 10 1980	12.5"	24mm		
NGC 5194 CVn	M51		Galaxy SA(s)bc pec GREAT SPIRAL NEBULA	M 51 Whirlpool Galaxy UGC 958
Apr 19 2014	36"	17mmT4	EB,EEL,LBNUC,HISB,M51,INTERACT=5195,ARMS,DUST,H2 REGIONS,SMBM,R=EE	
Apr 19 2014	36"	31mmT5	JUST ABSOLUTELY STUNNING	
Mar 19 2004	12.5"	12mmT4	MESSIER MARATHON 2004	
Dec 26 2003	31"	17mmT4	EB,EL,R,SMALL BNUC,GMBM,SPRIAL ARMS DET,BEST EVER SEEN,BRT CENTRAL CORE,BRT H2	
Mar 02 1984	10"	20mm	SAME	
Jan 28 1982	12.5"	16mm	DARK AREAS SEPARATE WINDING ARMS,INTERACTING WITH 5195	
Jan 28 1982	12.5"	24mm	VB,VL,BNUC,BARMS,*S IN S PART,BRIDGE COMPLETE,SPR STR DET	
Mar 27 1981	12.5"	24mm	MESSIER MARATHON 1981	
Dec 03 1980	12.5"	24mm		
Oct 31 1980	12.5"	24mm		
Jul 14 1980	12.5"	24mm		
Jul 11 1980	12.5"	24mm		
Jul 05 1980	12.5"	24mm		
May 07 1980	5"	9mm		
Apr 18 1980	6"	24mm		
Apr 16 1980	6"	24mm		
NGC 7654 Cas	M52		Open Cluster 11.0 II 2 CL,L,RI,MCM,R,*9..13	M 52 Cr 455
Mar 19 2004	12.5"	12mmT4	MESSIER MARATHON 2004	
Jul 31 1981	12.5"	24mm	PB,VL,7-8*,UB,R,B* N SIDE OF M52	
Mar 27 1981	12.5"	24mm	MESSIER MARATHON 1981	
Jul 17 1980	12.5"	24mm		
Jun 20 1980	12.5"	24mm		

Observations by Messier Objects

NGC 5024 Com M53		Globular	GCL,B,VC,IR,VVMBM,	M 53
Apr 11 2015	36" 17mmT4	VB,VL,RESOLVED TO CORE,GROUP OF B*'S OFF ONE SIDE OF NUC,MOD HISB SECTIONS IN NU		
Mar 19 2004	12.5" 12mmT4	MESSIER MARATHON 2004		
Mar 02 1984	10" 20mm	VB,VL,BNUC,R,OUTTER *S RESOLVED,LARGE BRT NUC		
Mar 27 1981	12.5" 24mm	MESSIER MARATHON 1981		
NGC 6715 Sgr M54		Globular	GCL,VB,L,R,G,SMBM,	M 54
Mar 22 2004	12.5" 12mmT4	MESSIER MARATHON 2004		
Sep 20 1984	12.5" 12mm	MB,PS,BNUC,VMBM,OUTTER *S JUST RESOLVED,LARGE NUC REGION		
Sep 20 1981	12.5" 24mm			
Mar 27 1981	12.5" 24mm	MESSIER MARATHON 1981		
Jul 17 1980	12.5" 24mm			
Jun 18 1980	12.5" 24mm			
NGC 6809 Sgr M55		Globular	GCL,PB,L,R,VRI,VGBM	M 55
Mar 22 2004	12.5" 12mmT4	MESSIER MARATHON 2004		
Sep 20 1984	12.5" 16mm	PF,VL,MANY *S RESOLVED,MOD HISB,GLOW IN BACKGROUND,LOC IN BARREN * FIELD		
Sep 20 1981	12.5" 24mm			
Mar 27 1981	12.5" 24mm	MESSIER MARATHON 1981		
Jul 17 1980	12.5" 24mm			
Jul 15 1980	12.5" 24mm			
Jun 18 1980	12.5" 24mm			
Jun 17 1980	12.5" 24mm			
NGC 6779 Lyr M56		Globular	GCL,B,L,IR,GVMCM,RRR	M 56
Mar 22 2004	12.5" 12mmT4	MESSIER MARATHON 2004		
Jun 04 1981	12.5" 16mm	MF,ML,*S APPROX SAME MAG		
Mar 27 1981	12.5" 24mm	MESSIER MARATHON 1981		
Sep 07 1980	12.5" 24mm			
Jul 12 1980	12.5" 24mm			
Jul 11 1980	12.5" 24mm			
Jun 20 1980	12.5" 24mm			
Jun 17 1980	12.5" 24mm			
May 07 1980	5" 9mm			

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
Aug 23 2009	31" 12mmT4	VB,VL,OVAL,HISB,BRT THICK SIDES,FT NEB INSIDE.C*15TH MAG,EXT NEB ONE SIDE,OIII HELPS		
Mar 22 2004	12.5" 12mmT4	MESSIER MARATHON 2004		
Sep 23 2003	31" 17mmT4	EB,EL,FIRST LIGHT WITH 17MM,CENTRAL * DET,BEST OBSERVATION TODATE.OBLONG RING		
Sep 01 2002	31" 9mmT6	CENTRAL * SEEN. FAINT DETAIL IN NEB,BEST VIEW TO DATE		
Sep 20 1981	12.5" 24mm			
Jun 04 1981	12.5" 9mm	WITH BARROW,CENTRAL * COMES AND GOES WITH AVERTED VISION,2B*S INSIDE RING		
Mar 27 1981	12.5" 24mm	MESSIER MARATHON 1981		
Sep 10 1980	12.5" 24mm			
Sep 07 1980	12.5" 24mm			
Sep 03 1980	12.5" 24mm			
Aug 19 1980	12.5" 24mm			
Jul 15 1980	12.5" 24mm			
Jul 12 1980	12.5" 24mm			
Jul 11 1980	12.5" 24mm			
Jul 05 1980	12.5" 24mm			
Jun 20 1980	12.5" 24mm			
Jun 18 1980	12.5" 24mm			
Jun 17 1980	12.5" 24mm			
Jun 10 1980	6" 24mm			
May 07 1980	5" 9mm			
Apr 18 1980	6" 24mm			
Apr 16 1980	6" 24mm			
NGC 4579 Vir	M58	Galaxy SAB(rs)b	B,L,IR,VMBM,R	M 58 UGC 811 MCG 6-3-28 CGCG
Apr 11 2015	36" 17mmT4	PB,PL,OVAL,GMBM,HISB MID,MOD SNUC,PATCH,R=G		
May 09 2010	31" 17mmT4	PB,PL,ELONG,SMALL BNUC,SMBM,HISB MIDDLE,R=G		
Mar 19 2004	12.5" 12mmT4	MESSIER MARATHON 2004		
Jun 04 1981	12.5" 24mm	PB,PL,BNUC,DIM HALO		
Mar 27 1981	12.5" 24mm	MESSIER MARATHON 1981		
Jun 10 1980	6" 24mm			
NGC 4621 Vir	M59	Galaxy E5	B,PL,LE,VSVMBM,2*P	M 59 FAIR689 PGC 42628
Apr 11 2015	36" 17mmT4	VB,PL,OVAL,GMBM,MOD SNUC,OVAL MOD HISB PATCH AROUND NUC AREA,R=G		
May 09 2010	31" 17mmT4	PB,PL,ELONG,OVAL,SMALL BNUC,SMBM,HISB MIDDLE,R=G		
Mar 19 2004	12.5" 12mmT4	MESSIER MARATHON 2004		
Mar 27 1981	12.5" 24mm	MESSIER MARATHON 1981		
Jun 10 1980	6" 24mm			
NGC 4649 Vir	M60	Galaxy E2	VB,PL,R,FOF DNEB	M 60 ESO 151-39 PGC 42831
Apr 11 2015	36" 17mmT4	EB,VL,LG SOFT BRT NUC,HISB MID,LG OVAL PATCH,CLOSE COMP,R=G		
May 09 2010	31" 17mmT4	VB,VL,OVAL,LBNUC,NUC ALMOST UB,SMBM,HISB MIDDLE,CLOSE COMP=4647,PAIR=PGC42846,I		
Mar 19 2004	12.5" 12mmT4	MESSIER MARATHON 2004		
Mar 27 1982	12.5" 12mm	MF,PS,ELONG,BNUC,LOC IN BARREN * FIELD,PAIR/4638		
Jun 04 1981	12.5" 24mm	PB,PL,BNUC,BRT HALO,PAIR/4638		
Mar 27 1981	12.5" 24mm	MESSIER MARATHON 1981		
Jun 10 1980	6" 24mm			

Observations by Messier Objects

NGC 4303 Vir	M61	H139-1	Galaxy SAB(rs)bc	VB,VL,VSBM*,BIN	M 61 KUG 109+322 PGC 40001
Apr 11 2015	36"	17mmT4	PB,VL,FACE ON,SM VB NUC HISB WELL DEFINED,BRT BAR WITH ARMS AT ENDS,* OFF ONE ARI		
Mar 08 2010	31"	17mmT4	PB,PL,SMALL BNUC,MOD HISB MIDDLE,FACE ON,F* IN OUTER ARM,SPIRAL STR DET,DUST,PAT		
Mar 19 2004	12.5"	12mmT4	MESSIER MARATHON 2004		
Feb 12 1983	12.5"	24mm	PB,VL,STELL NUC,ARMS DET,FACE ON,KNTS DET		
Apr 25 1981	12.5"	24mm	DIF,VB,VL,DNUC,FARM		
Mar 27 1981	12.5"	24mm	MESSIER MARATHON 1981		
Jun 10 1980	6"	24mm			
NGC 6266 Oph	M62		Globular	GCL,VB,L,GMBM,RRR,	M 62
Mar 22 2004	12.5"	12mmT4	MESSIER MARATHON 2004		
Jun 04 1981	12.5"	24mm	MB,ML,BNUC		
Mar 27 1981	12.5"	24mm	MESSIER MARATHON 1981		
Jun 18 1980	12.5"	24mm			
Jun 10 1980	6"	24mm			
NGC 5055 CVn	M63		Galaxy SA(rs)bc	VB,L,PME120,VSMBMBN	M 63 Sunflower Galaxy UGC 928
Mar 16 2010	31"	17mmT4	EB,VL,OVAL,SMALL VERY BNUC,PATCHY AREAS IN ARMS,SUDDENLY MBM,HISB HALO AROUND		
Mar 19 2004	12.5"	12mmT4	MESSIER MARATHON 2004		
Mar 02 1984	10"	20mm	SAME		
Jan 28 1982	12.5"	16mm	PB,PL,ELONG,BNUC,VMBM,DIF HALO,B* OFF W SIDE		
Mar 27 1981	12.5"	24mm	MESSIER MARATHON 1981		
Oct 31 1980	12.5"	24mm			
Jul 05 1980	12.5"	24mm			
Apr 16 1980	6"	24mm			
NGC 4826 Com	M64		Galaxy (R)SA(rs)ab	VB,VL,VME120,BMSBN	M 64 Black-eye Galaxy CGCG 38!
Mar 19 2004	12.5"	12mmT4	MESSIER MARATHON 2004		
Mar 02 1984	10"	20mm	VB,VL,OVAL,SMALL BNUC,SBM		
Mar 27 1981	12.5"	24mm	MESSIER MARATHON 1981		
NGC 3623 Leo	M65		Galaxy SAB(rs)a	B,VL,ME165,GBMBN	M 65 ESO 541-9A ARP 317 PGC :
Mar 08 2013	36"	17mmT4	MESSIER MARATHON 2013		
Mar 19 2004	12.5"	12mmT4	MESSIER MARATHON 2004		
Feb 15 2004	31"	17mmT4	EB,EL,EDGE ON,LARGE BNUC,HISB,ARMS AND DUST,M65,BEST SEEN TODATE,R=E		
Mar 03 1984	12.5"	12mm	VB,VL,EDGE ON,BNUC,BARM,LARGE BRT NUC,TAPPERED ENDS,VMBM,VF* E EDGE,2B*S OPP		
Mar 02 1984	10"	20mm	SAME		
Mar 27 1981	12.5"	24mm	MESSIER MARATHON 1981		
Jan 30 1981	12.5"	24mm	EB,EL,BNUC,BRIGHT HALO,PAIR/3627/3626		
Dec 03 1980	12.5"	24mm			
Jun 10 1980	6"	24mm			
Apr 18 1980	6"	24mm	CLOSE PAIR/M66		

Observations by Messier Objects

NGC 3627 Leo	M66	Galaxy SAB(s)b	B,VL,ME150,MBM,2*NP	M 66 MCG -2-3-64 VV 361 ARP 10
Mar 08 2013	36" 17mmT4	MESSIER MARATHON 2013		
Mar 19 2004	12.5" 12mmT4	MESSIER MARATHON 2004		
Feb 15 2004	31" 17mmT4	EB,EL,OVAL,LARGE BNUC,BRT BAR,SPR ARMS DET,DUST DET,HISB,M66, BEST TODATE,R=E		
Mar 03 1984	12.5" 12mm	VB,VL,EDGE ON,BNUC,GBM,VERY BRT SMALL NUC,B*NW,FAINTER * SW		
Mar 02 1984	10" 20mm	SAME		
Mar 27 1981	12.5" 24mm	MESSIER MARATHON 1981		
Jan 30 1981	12.5" 24mm	EB,EL,ELONG,BNUC,BRT HALO,PAIR/3626/3628		
Dec 03 1980	12.5" 24mm			
Jun 10 1980	6" 24mm			
Apr 18 1980	6" 24mm	CLOSE PAIR/M65		
NGC 2682 Cnc	M67	Open Cluster 9.0 II 3 r	CL,VB,VL,ERI,LC,*10.	M 67 Cr 204
Mar 08 2013	36" 17mmT4	MESSIER MARATHON 2013		
Mar 19 2004	12.5" 12mmT4	MESSIER MARATHON 2004		
Mar 02 1984	10" 20mm	SAME		
Feb 21 1984	12.5" 16mm	SAME,WELL PLACED IN 16MM,VB,VL		
Mar 27 1982	12.5" 24mm	VB,VL,HUNDREDS OF *S,APPROX SAME MAG		
Oct 24 1981	12.5" 24mm	VB,VL,80*S IN ROUND SHAPE		
Mar 27 1981	12.5" 24mm	MESSIER MARATHON 1981		
Dec 03 1980	12.5" 24mm			
NGC 4590 Hya	M68	Globular	GCL,L,ERI,VC,IR,ST12	M 68
Apr 11 2015	36" 17mmT4	VB,VL,-TYPE VIII,RESOLVED TO CORE,MOD HISB CORE,*S VAR MAG SCATTERED,DENSITY OF		
Mar 19 2004	12.5" 12mmT4	MESSIER MARATHON 2004		
Mar 27 1981	12.5" 24mm	MESSIER MARATHON 1981		
Dec 03 1980	12.5" 24mm			
NGC 6637 Sgr	M69	Globular	GCL,B,L,R,RRR,*14.16	M 69
Mar 22 2004	12.5" 12mmT4	MESSIER MARATHON 2004		
Sep 20 1981	12.5" 24mm			
Mar 27 1981	12.5" 24mm	MESSIER MARATHON 1981		
Jul 17 1980	12.5" 24mm			
Jun 18 1980	12.5" 24mm			
NGC 6681 Sgr	M70	Globular	GCL,B,PL,R,GBM,	M 70
Mar 22 2004	12.5" 12mmT4	MESSIER MARATHON 2004		
Sep 20 1981	12.5" 24mm			
Mar 27 1981	12.5" 24mm	MESSIER MARATHON 1981		
Jul 17 1980	12.5" 24mm			
Jul 15 1980	12.5" 24mm			
Jun 18 1980	12.5" 24mm			

Observations by Messier Objects

NGC 6838 Sge	M71	Globular	CL,VL,VRI,PMC,*11.16	M 71
Mar 22 2004	12.5" 12mmT4	MESSIER MARATHON 2004		
Sep 23 2003	31" 25mm	EF,EL,RESOLVED,BEAUTIFUL,HUNDREDS OF *S.STRONG BACKGROUND GLOW,R=E		
Aug 20 2003	31" 25mm	EB,EL,HUNDREDS/THOUSANDS OF STARS.RESOLVED TO CORE,FOV GLOWS W/F*S,R=E		
Jul 30 1981	12.5" 24mm	PB,VL,PAIR/H2O		
Mar 27 1981	12.5" 24mm	MESSIER MARATHON 1981		
Jun 17 1980	12.5" 24mm			
May 07 1980	5" 9mm			
Apr 16 1980	6" 24mm			
NGC 6981 Aqr	M72	Globular	GCL,PB,PL,R,GMCM,RRR	M 72
Mar 22 2004	12.5" 12mmT4	MESSIER MARATHON 2004		
Aug 31 1984	12.5" 16mm	PB,PL,BNUC,R,HISB MIDDLE,OUTTER *S JUST RESOLVED		
Jul 09 1983	12.5" 12mm	MB,PL,RESOLVED,BM,SCATTERED *S ELONG,2F*S SAME MAG OFF ONE SIDE		
Jul 10 1981	12.5" 24mm	MB,ML		
Mar 27 1981	12.5" 24mm	MESSIER MARATHON 1981		
Jul 17 1980	12.5" 24mm			
Jun 18 1980	12.5" 24mm			
NGC 6994 Aqr	M73	Open Cluster 11.1 IV 1CL,EP,VLC,NO NEB		M 73 Cr 426
Mar 22 2004	12.5" 12mmT4	MESSIER MARATHON 2004		
Aug 31 1984	12.5" 16mm	MF,MS,4*S IN A SMALL Y SHAPE,NOT A TRUE CLUSTER		
Jul 09 1983	12.5" 12mm	MB,PS,ASTERISM OF 4*S,LOOKS LIKE SMALL SEGATTA CONST		
Mar 27 1981	12.5" 24mm	MESSIER MARATHON 1981		
Jun 18 1980	12.5" 24mm	4*S LOC ALL BY THEMSELVES		
NGC 628 Psc	M74	Galaxy SA(s)c	GCL,F,VL,R,VG,PSMBM	M 74 CGCG 499-52 CGCG 498-80
Aug 03 2013	36" 17mmT4	VB,VL,OVAL,SMALL BNUC,SPIRAL ARMS, DUST,SN IN OUTER ARM AT EDGE ~ 12TH MAG,MOD F		
Mar 19 2004	12.5" 12mmT4	MESSIER MARATHON 2004		
Mar 02 1984	10" 20mm	SAME		
Sep 24 1981	12.5" 16mm	PB,PL,DNUC,GBM,3F*S W,2F*S E SIDE,SOME STR IN ARMS SUSP		
Oct 31 1980	12.5" 24mm			
Oct 29 1980	8" 24mm			
Sep 07 1980	12.5" 24mm			
Aug 22 1980	12.5" 24mm			
NGC 6864 Sgr	M75	Globular	GCL,B,PL,R,VMBMBN,RR	M 75
Mar 22 2004	12.5" 12mmT4	MESSIER MARATHON 2004		
Sep 20 1984	12.5" 12mm	MB,PS,BNUC,R,BM,OUTTER HALO ALMOST RESOLVED		
Mar 27 1981	12.5" 24mm	MESSIER MARATHON 1981		
Jul 17 1980	12.5" 24mm			
Jun 18 1980	12.5" 24mm			

Observations by Messier Objects

NGC 650	Per	M76	H193-1	Planetary Neb 3+6	VB,P OF DNEB	M 76 Little Dumbbell	PK 130-10.1
Sep 02 2008		31"	17mmT4	VB,VL,BRT HOUR GLASS CENTRAL REGION,FT WHISPS OF NEB SIDES,OIII NO HELP,F* EDGE O			
Mar 19 2004		12.5"	12mmT4	W/OIII. VB,PL,HOUR GLASS SHAPE,BAR,TWO HALVES,MESSIER MARATHON 2004,R=E			
Dec 06 2002		12.5"	9mmT6	PB,PL,2 LOBES EASILY DETECTED,MHISB,BRT REGION IN ONE LOBE. M76			
Mar 02 1984		10"	20mm	SAME			
Aug 25 1982		12.5"	16mm	HOUR GLASS SHAPE,WHIPHS OF NEB AROUND TIPS,SAME AS BEFORE			
Oct 03 1981		12.5"	24mm	BLUE GREEN,MB,PS,S PART BRTER,HISB,2 PARTS DET,DARK PATCH			
Mar 27 1981		12.5"	24mm	MESSIER MARATHON 1981			
Aug 22 1980		12.5"	24mm				
Aug 19 1980		12.5"	24mm				
Jul 24 1980		12.5"	24mm				
Jul 17 1980		12.5"	24mm				
Jul 11 1980		12.5"	24mm				
NGC 1068	Cet	M77		Galaxy (R)SA(rs)b	VB,PL,IR,SBMRRN	M 77 KUG 13+310	PGC 10266
Mar 19 2004		12.5"	12mmT4	MESSIER MARATHON 2004			
Mar 02 1984		10"	20mm	SAME			
Sep 27 1981		12.5"	16mm	PB,PL,SUDDENLY BUILDS TO BRIGHT STAR LIKE NUC,FACE ON,FAINT HALO ARMS DET			
Mar 27 1981		12.5"	24mm	MESSIER MARATHON 1981			
Oct 31 1980		12.5"	24mm				
Oct 29 1980		8"	24mm				
Sep 18 1980		12.5"	24mm				
Sep 07 1980		12.5"	24mm				
NGC 2068	Ori	M78		Nebula R	B,L,WISP,GMBN,3*INV	M 78	
Mar 08 2013		36"	17mmT4	MESSIER MARATHON 2013			
Mar 19 2004		12.5"	12mmT4	MESSIER MARATHON 2004			
Mar 02 1984		10"	20mm	SAME,ONE EDGE WELL DEFINED			
Mar 27 1982		12.5"	24mm	MF,PL,LOCATED IN BARREN * FIELD,2F*S IN CENTER			
Mar 27 1981		12.5"	24mm	MESSIER MARATHON 1981			
Oct 31 1980		12.5"	24mm				
Oct 29 1980		8"	24mm				
Sep 10 1980		12.5"	24mm				
Sep 09 1980		12.5"	24mm				
Aug 22 1980		12.5"	24mm				
NGC 1904	Lep	M79		Globular	GCL,PL,ERI,EC,RRR	M 79	
Mar 19 2004		12.5"	12mmT4	MESSIER MARATHON 2004			
Mar 02 1984		10"	20mm	SAME			
Oct 24 1981		12.5"	24mm	VB,MLCRESOLVED,DOZENS OF *S AROUND NUC.SPLASHING EFFECT			
Mar 27 1981		12.5"	24mm	MESSIER MARATHON 1981			
Oct 31 1980		12.5"	24mm				
Sep 18 1980		12.5"	24mm				
Sep 09 1980		12.5"	24mm				

Observations by Messier Objects

NGC 6093 Sco M80		Globular	GCL,VB,L,VMBM(VAR*)	M 80
Mar 22 2004	12.5"	12mmT4	MESSIER MARATHON 2004	
Mar 27 1981	12.5"	24mm	MESSIER MARATHON 1981	
Sep 10 1980	12.5"	24mm		
Jul 17 1980	12.5"	24mm		
Jun 18 1980	12.5"	24mm		
NGC 3031 UMa M81		Galaxy SA(s)ab	EB,EL,E156,GSVMBMBN 2	M 81 Bode's Nebula UGC 527 M81
Jan 29 2014	36"	17mmT4	M81,EB,EEL,OVAL,VERY LBNUC,HISB,FT ARMS ARCHING AROUND NUC,FILLS FOV,MANY *S IN	
Mar 08 2013	36"	17mmT4	MESSIER MARATHON 2013	
Feb 04 2005	31"	17mmT4	EB,EL,ELONG,LARGE BNUC,HISB,TIGHT CORE,ARMS,R=E	
Apr 14 2004	31"	17mmT4	EF,EL,LARGE BNUC,HISB,M81,R=E	
Mar 19 2004	12.5"	12mmT4	MESSIER MARATHON 2004	
Mar 15 1985	12.5"	16mm	VB,VL,ELONG,BNUC,LARGE SOFT NUC,VMBM,1F*S TIP,FAINT HALO TO TAPPED ENDS	
Mar 02 1984	10"	20mm	SAME	
Mar 27 1981	12.5"	24mm	MESSIER MARATHON 1981	
Dec 03 1980	12.5"	24mm		
Oct 31 1980	12.5"	24mm		
Oct 29 1980	8"	24mm		
Sep 18 1980	12.5"	24mm		
Sep 10 1980	12.5"	24mm		
Sep 09 1980	12.5"	24mm		
Aug 22 1980	12.5"	24mm		
NGC 3034 UMa M82 H79-4		Galaxy I0 sp	VB,VL,VME(RAY)	M 82 UM283 PGC 28655
Jan 29 2014	36"	17mmT4	M82,EB,EL,EDGE ON,HISB,PATCHES,NUC REG FRAGMENTED,DUST,DETAIL IN ARMS,SN IN ARM	
Mar 08 2013	36"	17mmT4	MESSIER MARATHON 2013	
Feb 04 2005	31"	17mmT4	EB,EL,EDGE ON,HISB,EDGE TO EDGE IN FOV,PATCHY,DUST,NUC BROKEN,BEST TO DATE,R=E	
Apr 14 2004	31"	17mmT4	EF,EL,HISB,BEST EVER TODATE,NUC AREA PATCHY,DARK AREAS,BROKEN PARTS,R=E	
Mar 19 2004	12.5"	12mmT4	MESSIER MARATHON 2004	
Mar 15 1985	12.5"	12mm	SAME,IRR	
Mar 02 1984	10"	20mm	VB,VL,EDGE ON,HISB,B* OFF ONE TIP,DARK PATCHES	
Oct 22 1982	12.5"	12mm	VB,VL,EDGE ON,VERY HISB,2 DUST LANES DET,BRT REGIONS DET,TAPPED,KNTY	
Mar 27 1981	12.5"	24mm	MESSIER MARATHON 1981	
Dec 03 1980	12.5"	24mm		
Oct 31 1980	12.5"	24mm		
Oct 29 1980	8"	24mm		
Sep 18 1980	12.5"	24mm		
Sep 10 1980	12.5"	24mm		
Sep 09 1980	12.5"	24mm		
Aug 22 1980	12.5"	24mm		
NGC 5236 Hya M83		Galaxy SAB(s)c	VB,VL,E55,ESBMN,SPIR	M 83 CGCG 459-49 PGC 48082
Apr 11 2015	36"	17mmT4	VB,VL,FACE ON,SM TIGHT WELL FORMED NUC,BRT PL LIKE,SM PATCH OFF ONE SIDE OF NUC,;	
Mar 19 2004	12.5"	12mmT4	MESSIER MARATHON 2004	
Mar 27 1981	12.5"	24mm	MESSIER MARATHON 1981	

Observations by Messier Objects

NGC 4374 Vir	M84	Galaxy E1	VB,PL,R,PSBM,R	M 84 MCG -3-4-28 VV 258 PGC 41
Apr 11 2015	36" 17mmT4	EB,VL,OVAL,GMBM,HISB MIDDLE,MOD SNUC,FT OBLONG HALO AROUND NUC,R=G		
Mar 08 2010	31" 17mmT4	VB,PL,R,LARGE BNUC,GRANULAR HALO,HISB MIDDLE,R=G		
Mar 19 2004	12.5" 12mmT4	MESSIER MARATHON 2004		
Apr 25 1981	12.5" 24mm	EB,PL,BNUC,BARM,HALO		
Mar 27 1981	12.5" 24mm	MESSIER MARATHON 1981		
Jun 10 1980	6" 24mm			
NGC 4382 Com	M85	Galaxy SA(s)0+ pec	VB,PL,R,BM,*NP	M 85 ESO 352-21 MCG -6-3-28 PGC 41
Apr 11 2015	36" 17mmT4	EB,VL,OVAL,GMBM,HISB MIDDLE,MOD SNUC,FT OBLONG HALO AROUND NUC,* OFF NUC,R=G		
Mar 08 2010	31" 17mmT4	VB,VL,OVAL,SMALL BNUC,GMBM,HISB MIDDLE,GRANULAR HALO,PAIR=4394,R=G		
Mar 19 2004	12.5" 12mmT4	MESSIER MARATHON 2004		
Mar 02 1984	10" 20mm	SAME		
Feb 12 1983	12.5" 16mm	VB,ML,BNUC,F* IN N SIDE,R,BM,PAIR/4394		
Mar 27 1981	12.5" 24mm	MESSIER MARATHON 1981		
Jun 10 1980	6" 24mm			
NGC 4406 Vir	M86	Galaxy E3	VB,L,R,GBMN,R	M 86 ESO 296-7 MCG -6-3-29 IRAS 13756
Apr 11 2015	36" 17mmT4	EB,VL,OVAL,GMBM,HISB MIDDLE,MOD SNUC,FT OBLONG HALO AROUND NUC,R=G		
Mar 08 2010	31" 17mmT4	VB,PL,OVAL,LARGE BNUC,GRANULAR HALO,GRAD BM,HISB MIDDLE,COMP=PGC40659,R=G		
Mar 19 2004	12.5" 12mmT4	MESSIER MARATHON 2004		
Apr 25 1981	12.5" 24mm	EB,PL,BARM,PAIR/4388		
Mar 27 1981	12.5" 24mm	MESSIER MARATHON 1981		
Jun 10 1980	6" 24mm			
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 385-49
Apr 11 2015	36" 17mmT4	EB,EL,OVAL,R,VLBRT NUC,GETS BRT IN MID,HISB CENTER,FT HALO AROUND NUC,NO ARM STR		
May 09 2010	31" 17mmT4	EB,VL,OVAL,R,LBNUC,LG GRANULAR ARMS,GMBM,HISB MIDDLE,LARGE HALO,R=E		
Mar 19 2004	12.5" 12mmT4	MESSIER MARATHON 2004		
May 01 1981	12.5" 24mm	EB,EL,BNUC,1 OF 3 COMP		
Mar 27 1981	12.5" 24mm	MESSIER MARATHON 1981		
Jun 10 1980	6" 24mm			
NGC 4501 Com	M88	Galaxy SA(rs)b	B,VL,VME	M 88 CGCG 385-49 PGC 41517
Mar 17 2018	36" 17mmT4	VB,EL,OVAL,BNUC,HISB,GMBM,SOFT NUC WITH BRT CORE,GRANULAR ARMS,2F*S OUTER ARM		
Apr 11 2015	36" 17mmT4	EB,VL,EL,S SOFT BRT NUC,LG ELONG PATCH OF ARMS AND HALO,BROKEN PARTS,R=E		
May 09 2010	31" 17mmT4	VB,EL,OVAL,LBNUC,FILLS FOV,GRANULAR ARMS,PATCHY AREAS,SUDDENLY MBM,HISB MIDDLE		
Mar 19 2004	12.5" 12mmT4	MESSIER MARATHON 2004		
Mar 02 1984	10" 20mm	SAME,2F*S ONE SIDE,ANOTHER F* OPPOSITE SIDE		
Feb 12 1983	12.5" 16mm	VB,VL,BNUC,BRT H2 REGION AND ARMS,DIF ARMS,SLIGHTLY ELONG		
Mar 27 1981	12.5" 24mm	MESSIER MARATHON 1981		
Jun 10 1980	6" 24mm			
NGC 4552 Vir	M89	Galaxy E0-1	PB,PS,R,GMBM	M 89 MCG -2-4-16 PGC 41968
Apr 11 2015	36" 17mmT4	EB,ML,OVAL,R,EXT BRT IN MID,HISB CENTER,GR GET BRT TOWARDS MID,FT HALO,R=GE		
May 09 2010	31" 17mmT4	EB,VL,OVAL,R,LBNUC,GRANULAR HALO,HISB MIDDLE,SUDDENLY MBM,R=E		
Mar 19 2004	12.5" 12mmT4	MESSIER MARATHON 2004		
Jun 04 1981	12.5" 24mm	VB,VL,BNUC,BRT HALO,PAIR/4550		
Mar 27 1981	12.5" 24mm	MESSIER MARATHON 1981		
Jun 10 1980	6" 24mm			

Observations by Messier Objects

NGC 4569 Vir	M90		Galaxy SAB(rs)ab	PL,BMN	M 90 ESO 195-35 FAIR294 IRAS
Apr 11 2015	36"	17mmT4	PB,EL,EL,OVAL,BNUC,V SM * LIKE NUC,FT OVAL HALO MOSTLY ELONG,NO ARM STR,R=G		
May 18 2007	31"	17mmT4	EB,EL,ELONG,SM VERY BNUC,SM WELL DEFINED NUC,FARMS,DUST AREA SUSP ONE SIDE,R=		
Mar 19 2004	12.5"	12mmT4	MESSIER MARATHON 2004		
Jun 04 1981	12.5"	24mm	EB,EL,ELONG,BNUC,BRT HALO		
Mar 27 1981	12.5"	24mm	MESSIER MARATHON 1981		
Jun 10 1980	6"	24mm			
NGC 4548 Com	M91	H120-2	Galaxy SB(rs)b	B,L,LE,LBM	M 91 MCG -1-4-18 PGC 41934
Mar 17 2018	36"	17mmT4	VB,EL,ELONG,BNUC,MHISB,L SOFT NUC,BGM,FT HALO AROUND NUC,ARMS NOT DET,R=GE		
Apr 11 2015	36"	17mmT4	PB,PL,S SOFT GRAD BM,FT HALO,BRTER PATCH-BAR DET,R=G		
May 09 2010	31"	17mmT4	EB,EL,SBNUC,BRT BAR ACROSS NUC,SUDDENLY MBM,HISB MIDDLE,FT HALO ARMS,VF OUTTE		
Mar 19 2004	12.5"	12mmT4	MESSIER MARATHON 2004		
Mar 02 1984	10"	20mm	SAME		
Feb 12 1983	12.5"	24mm	MB,PL,BNUC,R,LARGE NUC,DIF HALO		
Mar 27 1981	12.5"	24mm	MESSIER MARATHON 1981		
Jun 10 1980	6"	24mm			
NGC 6341 Her	M92		Globular	GCL,VB,VL,ECM,ST S	M 92
Mar 19 2004	12.5"	12mmT4	MESSIER MARATHON 2004		
Jun 25 2003	12.5"	9mmT6	EB,EL,RESOLVED TO CORE,BEAUTIFUL,R=E		
Feb 25 1982	12.5"	16mm	RESOLVED TO CORE,VB,VL,BNUC,SMALLER THAN M13		
Mar 27 1981	12.5"	24mm	MESSIER MARATHON 1981		
Sep 03 1980	12.5"	24mm			
Jul 14 1980	12.5"	24mm			
Jul 12 1980	12.5"	24mm			
Jul 11 1980	12.5"	24mm			
Jul 05 1980	12.5"	24mm			
Jun 17 1980	12.5"	24mm			
Jun 10 1980	6"	24mm			
Apr 18 1980	6"	24mm			
Apr 16 1980	6"	24mm			
NGC 2447 Pup	M93		Open Cluster 9.0 I 3 r	CL,L,PRI,LC,ST8...13	M 93 Cr 160
Mar 19 2004	12.5"	12mmT4	MESSIER MARATHON 2004		
Mar 02 1984	10"	20mm	SAME		
Mar 27 1982	12.5"	24mm	VB,ML,WELL PLACED,100"S APPROX SAME MAG		
Mar 27 1981	12.5"	24mm	MESSIER MARATHON 1981		
Dec 03 1980	12.5"	24mm			
NGC 4736 CVn	M94		Galaxy (R)SA(r)ab	VB,L,IR,VSVMBMBN,R	M 94 UGC 848 MCG 0-4-79 CGCG
Mar 19 2004	12.5"	12mmT4	MESSIER MARATHON 2004		
Feb 17 2004	31"	17mmT4	EB,EL,R,EXTREMELY BNUC,MHISB,SPIRAL ARMS,HISB MIDDLE,BEST TO DATE,M94,R=E		
Mar 02 1984	10"	20mm	SAME		
Jan 28 1982	12.5"	16mm	VB,ML,BNUC,HISB,ARMS,R		
Mar 27 1981	12.5"	24mm	MESSIER MARATHON 1981		
Oct 31 1980	12.5"	24mm			
Jul 05 1980	12.5"	24mm			
Apr 16 1980	6"	24mm			

Observations by Messier Objects

NGC 3351 Leo M95		Galaxy SB(r)b	B,L,R,PGMBMN	M 95 UGC 578 MCG 7-3-7 CGCG
Mar 08 2013	36"	17mmT4	MESSIER MARATHON 2013	
Mar 19 2004	12.5"	12mmT4	MESSIER MARATHON 2004	
Mar 02 1984	10"	20mm	SAME	
Feb 25 1984	12.5"	12mm	MB,PL,BNUC,FAINT HALO,HISB TOWARDS MIDDLE	
Mar 27 1981	12.5"	24mm	MESSIER MARATHON 1981	
Jan 30 1981	12.5"	24mm	VB,VL,BNUC,BRIGHT HALO	
Dec 03 1980	12.5"	24mm		
NGC 3368 Leo M96		Galaxy SAB(rs)ab	VB,VL,LE,VSVMBM,R	M 96 ESO 151-7 PGC 32192
Mar 08 2013	36"	17mmT4	MESSIER MARATHON 2013	
Mar 19 2004	12.5"	12mmT4	MESSIER MARATHON 2004	
Mar 02 1984	10"	20mm	SAME	
Feb 25 1984	12.5"	16mm	MB,PL,ELONG,BNUC,BM,HISB IN MIDDLE	
Mar 27 1981	12.5"	24mm	MESSIER MARATHON 1981	
Jan 30 1981	12.5"	24mm	DIF,VB,VL,ELONG,BNUC,BRIGHT HALO	
Dec 03 1980	12.5"	24mm		
NGC 3587 UMa M97		Planetary Neb 3a	PLN,VB,VL,R,VVG,VSBM	M 97 Owl Nebula PK 148+57.1 PI
Mar 08 2013	36"	17mmT4	MESSIER MARATHON 2013	
Mar 16 2009	31"	17mmT4	EB,EL,C* DET APPROX 15TH MAG,DARK PATCHES,BROKEN EDGES,GREYISH GREEN,R=E	
Mar 16 2009	31"	17mmT4	EB,EL,W/OIII,LOOSE C*,DOESNOT HELP MUCH,LITTLE MORE DARK PATCHES DET,R=E	
Feb 04 2005	31"	17mmT4	OIII,VB,EL,OVAL,HISB,2 DARK PATCHES,CENTRAL *,BEST TO DATE,PATCHY AREAS,DET,R=E	
Mar 19 2004	12.5"	12mmT4	MESSIER MARATHON 2004	
Dec 26 2003	31"	17mmT4	PB,VL,MOD HISB,CENTRAL *,DARK PATCHES,EDGES FRAILED,ANOTHER F* OFF CENTER,R=E	
Mar 15 1985	12.5"	12mm	VERY R,DARK PATCHES DET,BG COLOR,BEST VIEW EVER!!!	
Mar 15 1985	12.5"	16mm	SAME,EB,VL	
Mar 02 1984	10"	20mm	MB,ML,R,B* OFF ONE SIDE,UB WITH SOME DARK AREAS	
Mar 27 1981	12.5"	24mm	MESSIER MARATHON 1981	
Oct 31 1980	12.5"	24mm		
Sep 18 1980	12.5"	24mm		
Sep 10 1980	12.5"	24mm		
May 07 1980	5"	9mm		
Apr 18 1980	6"	24mm		
Apr 16 1980	6"	24mm	IN SAME FOV WITH M108	
NGC 4192 Com M98		Galaxy SAB(s)ab	B,VL,VME152,VSVMBM	M 98 MCG -1-4-6 PGC 39028
Apr 11 2015	36"	17mmT4	VF,VL,ELONG,SBNUC,MHISB,WELL PLACED,DUST AREAS SUSP,BROKEN ARMS,R=E	
Mar 08 2010	31"	17mmT4	VB,VL,ELONG EDGE ON,SMALL BNUC,EDGE TO EDGE IN FOV,SMALL B TIGHT CORE,SUDDENLY	
Mar 19 2004	12.5"	12mmT4	MESSIER MARATHON 2004	
Mar 02 1984	10"	20mm	SAME	
Feb 27 1982	12.5"	16mm	MB,PL,EDGE ON,BNUC,F*N OF NUC,CENTRAL BULGE,TAPERED ENDS,BRT H2 REGIONS IN EQ	
Mar 27 1981	12.5"	24mm	MESSIER MARATHON 1981	
Jun 10 1980	6"	24mm		

Observations by Messier Objects

NGC 4254 Com M99		Galaxy SA(s)c	B,L,R,GBM,R,3BRSPIRA	M 99 Pin-wheel Nebula UGC 744
Apr 11 2015	36"	17mmT4	VB,VL,R,HALO WIHT SPR ARMS,FOST MOD LNUC,BAR LIKE NUC,NUC ELONG IN SHAPE,2 ARMS	
Mar 08 2010	31"	17mmT4	PB,PL,SBNUC,FACE ON,GRADUALLY BM,SPIRAL ARMS,SPIRAL STRUCTURE,PATCHY AREAS IN	
Mar 19 2004	12.5"	12mmT4	MESSIER MARATHON 2004	
Mar 02 1984	10"	20mm	MB,ML,ELONG,PATCHY,SBM,MOD HISB	
Mar 27 1981	12.5"	24mm	MESSIER MARATHON 1981	
Jun 10 1980	6"	24mm		
NGC 4321 Com M100		Galaxy SAB(s)bc	PF,VL,R,VG,PSBMRN	M 100 CGCG 501-128 CGCG 502-
Apr 11 2015	36"	17mmT4	EB,EL,R,MOD HISB NUC,NUC LOOKS LIKE BRT BLUEISH PL WELL DEF,F ARMS EASILY DET,SEV	
Mar 08 2010	31"	17mmT4	VG,VL,OVAL,SPR STR,DUST,PATCHY H2 REGIONS,FACE ON,VERY R NUC,UB NUC,MOD HISB NU	
Mar 19 2004	12.5"	12mmT4	MESSIER MARATHON 2004	
Mar 02 1984	10"	20mm	MB,VL,BNUC,FACE ON,R-OVAL,SMALL BRT NUC,F*NW OUTER EDGE	
Mar 27 1981	12.5"	24mm	MESSIER MARATHON 1981	
Jun 10 1980	6"	24mm		
NGC 5457 UMa M101		Galaxy SAB(rs)cd	PB,VL,IR,G,VSMBMBSN 4	M 101 UGC 1035 MCG 8-3-23 CG
Mar 08 2010	31"	17mmT4	PB,EL,OVAL,SMALL BNUC,FACE ON,SPR STR,H2 REGIONS,DUST,DETAIL IN ARMS,MANY F*S IN	
Mar 19 2004	12.5"	12mmT4	MESSIER MARATHON 2004	
Mar 06 2003	12.5"	9mmT6	EB,EL,R,BNUC,HISB,FACE ON,KNTS DET,ARMS DET,SPR STR DET,F*S,SMALL RNUC,R=E	
Mar 02 1984	10"	20mm	MB,EL,BNUC,FACE ON,F* JUST N OF NUC,SPR STR SUSP	
Mar 27 1981	12.5"	24mm	MESSIER MARATHON 1981	
Apr 16 1980	6"	24mm		
NGC 5866 Dra M102 H215-1		Galaxy SA0+ sp	VB,CL,PME146,GBM	M 102 MCG -3-5-8 IRAS 1322-154
Mar 19 2004	12.5"	12mmT4	MESSIER MARATHON 2004	
Apr 23 2003	12.5"	9mmT6	EB,,VL,OVAL,BNUC,HISB,AWSOME,BEAUTIFUL,TAPPERED ENDS,LARGE NUC AREA,GMBM,R=E	
Mar 02 1984	10"	20mm	SAME	
Jul 09 1983	12.5"	12mm	MB,ML,BNUC,2F*S ON BOTH SIDES,LARGE BRT NUC,TAPPERED ENDS	
Jul 22 1981	12.5"	16mm	VB,ML,ELONG,BNUC,BRT HALO AROUND NUC	
Mar 27 1981	12.5"	24mm	MESSIER MARATHON 1981	
Jul 14 1980	12.5"	24mm		
Jul 11 1980	12.5"	24mm		
Jun 20 1980	12.5"	24mm		
NGC 581 Cas M103		Open Cluster 9.0 II 2	CL,PL,B,R,RI,*10..11	M 103 Cr 14
Mar 19 2004	12.5"	12mmT4	MESSIER MARATHON 2004	
Jul 31 1981	12.5"	24mm	PB,ML,*S 7...10 MAG,TRIANGLE SHAPE	
Mar 27 1981	12.5"	24mm	MESSIER MARATHON 1981	
Sep 18 1980	12.5"	24mm		
Sep 03 1980	12.5"	24mm		
Jul 17 1980	12.5"	24mm		
NGC 4594 Vir M104 H43-1		Galaxy SA(s)a sp	VB,VL,EE92,VSMBMN	M 104 Sombrero Galaxy MCG 5-4
Apr 11 2015	36"	17mmT4	EB,EL,EDGE ON,DUST LANE CUTS OFF 1/2 NUC,SM SOFT HISB GBM NUC,GRANULAR HISB ARM	
Mar 19 2004	12.5"	12mmT4	MESSIER MARATHON 2004	
Feb 12 1983	12.5"	16mm	VB,ML,EDGE ON,BNUC,DUST LANE EASILY DET,BRT CENTRAL BULGE,CUT IN TWO	
May 01 1981	12.5"	24mm	VB,PL,EDGE ON,BUC,BRT HALO,DUST LANE SEEN THROUGH GAL	
Mar 27 1981	12.5"	24mm	MESSIER MARATHON 1981	
May 07 1980	5"	9mm	EXCELLENT!!,DUST LANE DET,SHAPE DET	

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 08 2013	36" 17mmT4	MESSIER MARATHON 2013		
Mar 19 2004	12.5" 12mmT4	MESSIER MARATHON 2004		
Mar 02 1984	10" 20mm	SAME		
Feb 25 1984	12.5" 16mm	MB,ML,BNUC,R,PAIR/3384/3389		
Mar 27 1981	12.5" 24mm	MESSIER MARATHON 1981		
Jan 30 1981	12.5" 24mm	EB,VL,BNUC,PAIR/3384/3389		
Dec 03 1980	12.5" 24mm			
NGC 4258 CVn	M106 H43-5	Galaxy Sb	VB,VL,VME0,SBMBN	M 106 UGC 743 CGCG 501-122 P
Mar 08 2010	31" 17mmT4	VB,VL,OVAL,HISB MIDDLE,ELONG NUC,GMBM,SPRIAL ARMS,SPR STRUCTURE,DUST DET,R=EE		
Mar 19 2004	12.5" 12mmT4	MESSIER MARATHON 2004		
Mar 02 1984	10" 20mm	SAME		
Jan 26 1982	12.5" 16mm	VB,VL,BNUC,FAINT HALO,* ON NW EDGE,OVAL,4217 TO W 1 GAL DIA		
Mar 27 1981	12.5" 24mm	MESSIER MARATHON 1981		
Oct 31 1980	12.5" 24mm			
Jul 05 1980	12.5" 24mm			
May 07 1980	5" 9mm			
NGC 6171 Oph	M107 H40-6	Globular	GCL,L,VRI,VMC,R,RRR	M 107
May 09 2010	31" 17mmT4	VB,VL,TYPE VI,RESOLVED TO CORE,LARGE OUTER HALO SCATTERED *S VARIOUS MAG,R=E		
Mar 22 2004	12.5" 12mmT4	MESSIER MARATHON 2004		
Jul 21 1984	12.5" 16mm	SAME		
Aug 13 1982	12.5" 16mm	MB,PL,SBM,R,3B*S AROUND OBJECT,SOME F* SCATTERED		
Mar 27 1981	12.5" 24mm	MESSIER MARATHON 1981		
Sep 10 1980	12.5" 24mm			
Jul 11 1980	12.5" 24mm			
Jun 18 1980	12.5" 24mm			
Jun 10 1980	6" 24mm			
May 07 1980	5" 9mm			
Apr 16 1980	6" 24mm			
NGC 3556 UMa	M108 H46-5	Galaxy SB(s)cd sp	CB,VL,VME79,PBM,R	M 108 ESO 29-26 PGC 34030
Mar 08 2013	36" 17mmT4	MESSIER MARATHON 2013		
Mar 19 2004	12.5" 12mmT4	MESSIER MARATHON 2004		
Dec 26 2003	31" 17mmT4	VB,EL,EDGE ON,NND,MOD HISB,3*S IN GAL,H2 REGIONS DET,DUST DET,PATCHY ARMS DET,E		
Mar 15 1985	12.5" 12mm	MB,PL,VERY EDGE ON,F*N EDGE,B*CENTER,MOD HISB,KNTY STR SUSP,EXCELLENT!!!		
Mar 02 1984	10" 20mm	SAME		
Oct 22 1982	12.5" 16mm	DIF,MB,VL,F*N EDGE,EDGE ON,UB,LARGE,NND		
Mar 27 1981	12.5" 24mm	MESSIER MARATHON 1981		
Oct 31 1980	12.5" 24mm			
Sep 18 1980	12.5" 24mm			
Sep 10 1980	12.5" 24mm			
May 07 1980	5" 9mm			
Apr 16 1980	6" 24mm	IN SAME FOV WITH M97		

Observations by Messier Objects

NGC 3992 UMa	M109 H61-4	Galaxy SB(rs)bc	CB,VL,PME,SBMBRN	M 109 UGC 691 PGC 37617
Mar 08 2013	36" 17mmT4	MESSIER MARATHON 2013		
Mar 19 2004	12.5" 12mmT4	MESSIER MARATHON 2004		
Dec 26 2003	31" 17mmT4	EB,EL,ELONG,VERY LARGE BNUC,HISB NUC,FARMS DET,PATCHY AREAS DET,M109,R=E		
Mar 27 1981	12.5" 24mm	MESSIER MARATHON 1981		
Sep 18 1980	12.5" 24mm			
NGC 205 And	M110 H18-5	Galaxy E5 pec	VB,VL,ME165,VGVMBM	M 110 UGC 5 MCG 0-1-21 CGCG
Mar 19 2004	12.5" 12mmT4	MESSIER MARATHON 2004		
Aug 31 1984	12.5" 24mm	MB,PL,FNUC,COMP TO M31,ELONG,F* IN EASTERN PART,SOFT DIF NUCLEUS		
Mar 02 1984	10" 20mm	SAME		
Sep 24 1981	12.5" 16mm	SMBM,SLIGHTLY OVAL,FAINT ARMS,DIF,MB,PL,ELONGATED		
Sep 20 1981	12.5" 24mm	F* IN S ARM IN EQ PLANE		
Mar 27 1981	12.5" 24mm	MESSIER MARATHON 1981		
Sep 10 1980	12.5" 24mm			
Aug 22 1980	12.5" 24mm			
Aug 19 1980	12.5" 24mm			
Jul 24 1980	12.5" 24mm	BEST OBSERVED TO DATE		
Jul 17 1980	12.5" 24mm			
Jul 11 1980	12.5" 24mm			