

Observations by Messier Objects

NGC 1952 Tau	M1	Brn Nebula E	VB,VL,E135,VGLBM,R	M1 Crab Nebula Supernova Remi
Mar 05 2021	36"	17mmT4	(Lb 1),SNR,VB,VL,OVAL,W/OIII,FINE FILAMENTS,STR,SEE OTHER DESCRIPTIONS,(8:44pm),R=E	
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,SVRL *S IN OBJECT,PATCH AREAS DET,BEST OBSERVATION TO DATE,M1,R=G	
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,MBM	
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 01 2019	36"	17mmT4	(Class III),EB,EL,MHISB,RSLV,L CORE AREA RSLV,E FOV,SIM M15,R=EE	
Jul 05 2008	31"	17mmT4	(Class II),EB,VL,BCORE RSLV,HISB CNTR,R=E	
Mar 22 2004	12.5"	12mmT4	MESSIER MARATHON 2004	
Jul 09 1983	12.5"	12mm	VB,VL,RSLV,BM,HUNDREDS OF *S VISIBLE FAR FROM NUC,HISB CNTR	
Jul 10 1981	12.5"	16mm	RSLV 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	E UNDER HIGH POWER,USE BARLOW	
NGC 5272 CVn	M3	Globular	GCL,EB,VL,VSMBM,*11.	M 3
Apr 11 2015	36"	17mmT4	(Class V),EB,EL,HISB CORE RSLV,3-D LIKE,AMAZING,HUNDREDS OF *S RSLV,R=EE	
May 14 2010	31"	17mmT4	(Class III),EB,EL,HISB GLOW IN NUC,RSLV,L TIGHT CORE,HUNDREDS F*S SC SUR CORE,R=E	
Feb 04 2005	31"	17mmT4	EB,EL,RSLV 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,RSLV TO CORE,BEST TODATE,WELL PLACED,PAIRS=MAC,R=E	
Jan 28 1982	12.5"	16mm	VB,VL,RSLV TO THE CORE,HUNDREDS OF *S,LOOKS SMWHT 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		

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NGC 6121 Sco	M4		Globular	CL,8OR1OB*LINE,RRR	M 4
Jun 25 2019	36"	17mmT4	(Class X),EB,EL,FILLS FOV,L FT CNTR GLOW,RSLV,R=G		
May 09 2010	31"	17mmT4	(Class VIII),VB,EL,RSLV TO CORE,WIDELY SC OUTER HALO,VAR MAG'S,CORE VAR MAG'S,R=E		
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	(Class V),EB,EL,FILLS FOV,RSLV TO CORE,HUNDREDS OF *S,NICE TIGHT NUC,AV RESOLVES M		
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 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 I 3 r	CL,VB,PRI,LC,*7...12	M 7 Cr 354
May 12 2021	36"	55mm	(I 3 r),VB,VL,NICE FOV,B* W/VAR MAG CL,EASILY DET,FILLS FOV,(3:24am),R=G		
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	H13-5	Brn Nebula E	VB,EL,EIF,W/LCL	M8 Lagoon Nebula IC 1271 LBN
May 12 2021	36"	31mmT5	(Lb 1),BEST VIEW TO DATE,REDDISH COLOR DET,W/O FILTER DARK LANE THRUT M8,W/OIII,EDC		
May 12 2021	36"	55mm	(Lb 1),EB,EEL,W/OIII,B PATCHES OF NEB,DARK LANES,WISPS,EDGES WELL DEF IN PARTS,SUR		
Sep 11 2012	36"	31mmT5	EB,EEL,HISB,W/OIII, 2XFOV,SOFT FILIMENTS GAS VAR B,DARK DUST THROUGH CNTR,~20* SIM		
Mar 22 2004	12.5"	12mmT4	MESSIER MARATHON 2004		
Sep 20 1984	12.5"	16mm	VB,VL,LAGOON NEB,DARK PATCH ALL WAY THROUGH,B 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
Jun 28 2019	36"	17mmT4	(Class VI),MB,ML,*S RSLV INTO CORE,LOOSELY SC,R=G	
Mar 22 2004	12.5"	12mmT4	MESSIER MARATHON 2004	
Jul 21 1984	12.5"	12mm	MB,ML,BNUC,OUTER *S RSLV,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
May 05 2021	36"	17mmT4	(Class VI),EEB,EL,RSLV TO CORE,F DEEP PATCHY GLOW OF *S IN NUCLEUS,BEST TO DATE,R=I	
Jun 25 2019	36"	17mmT4	(Class VI),100'S *S RSLV,BTR *S W/MANY FTR,WELL PLACED IN FOV,R=EEE	
Mar 22 2004	12.5"	12mmT4	MESSIER MARATHON 2004	
Jul 21 1984	12.5"	12mm	VB,VL,BNUC,BTR THAN M12,CORE RESOLVING WITH F BG 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 I 2 r	CL,VB,L,IR,RI,*9,	M 11 Wild Duck Cluster Cr 391
May 13 2021	36"	31mmT5	(I 2 r),EB,EL,V RICH * FOV,CL EASILY DET,STANDS OUT WELL,* SMWHT VAR MAG,(3:27am),R=E	
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
May 05 2021	36"	17mmT4	(Class IV),EEB,EL,SLT S THAN M10,RSLV TO CORE,F DEEP PATCHY GLOW OF *S IN NUCLEUS,B	
Jun 25 2019	36"	17mmT4	(Class III),EB,EL,SPYDER LIKE B*S,FTR *S IN CORE,RSLV,WELL PLACED IN FOV,CORE IS RECT :	
Mar 22 2004	12.5"	12mmT4	MESSIER MARATHON 2004	
Jul 21 1984	12.5"	16mm	EB,VL,BNUC,B* OUTSIDE CNTER,MANY B*S RSLV,MHISB,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
Jun 25 2019	36" 17mmT4	(Class IV),EB,EL,VHISB,100'S OF *S ON TOP OF FT HISB BG,FILLS FOV,R=E		
Mar 19 2004	12.5" 12mmT4	MESSIER MARATHON 2004		
Feb 25 1982	12.5" 16mm	VB,VL,BNUC,RSLV 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,RSLV 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
Jul 01 2019	36" 17mmT4	(Class VIII),EB,VL,RSLV OUTER *S TO CORE *S,MHISB NUC,R=E		
Apr 14 2004	31" 17mmT4	EB,EL,VBNUC,M14,100'S OF *S RSLV TO CORE,BEST TO DATE,L CORE AREA		
Mar 22 2004	12.5" 12mmT4	MESSIER MARATHON 2004		
Jul 21 1984	12.5" 12mm	MB,PL,BNUC,OUTER *S RSLV,R,HISB CNTR		
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 01 2019	36" 17mmT4	(Class IV),EB,EL,HISB MID,COMPLETELY RSLV,GRAD BM,PEASE 1 B BLUE OFF CNTR,R=EEE		
Jul 05 2008	31" 17mmT4	(Class V),EB,EL,RSLV,THOUS *S,3D EFFECT,*S OUTER EDGE SC,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,BSNUC,RSLV HALO OF HUNDREDS OF *S		
Jul 29 1981	12.5" 16mm	EB,PL,BNUC,B 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 II 3 m n	CL,ATLEAST100* L\$\$	Eagle Nebula Cr 375 LBN 67
Sep 11 2012	36" 31mmT5	EB,EL,W/OIII,CL ~12**S OFF ONE SIDE,VAR MAG,LOOSLY GRP,2 WINGS GAS EXTENDING ACCRC		
Mar 22 2004	12.5" 12mmT4	MESSIER MARATHON 2004		
May 31 1981	12.5" 16mm	VB,EL,CL 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	Brn Nebula EN+OC	B,EL,EIF,2HOOKED	M17 Omega Nebula Sh2-45 LBN
Sep 11 2012	36" 31mmT5	EB,EEL,VHISB,W/OIII,ABSOL AWESOME,CAN MAKE OUT THE SWAN IN DETAIL,BODY FT WISPS (
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 II 3 p n	CL,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
Jun 25 2019	36" 17mmT4	(Class VII),EB,EL,WELL PLACED,100'S **S RSLV,SOFT LNUC,R=EEE		
Mar 22 2004	12.5" 12mmT4	MESSIER MARATHON 2004		
Jul 21 1984	12.5" 16mm	MB,PL,BNUC,B* JUST OUTSIDE CORE,NOT MANY **S RSLV,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	Brn Nebula EN+OC	VB,VL,TRIFID,D*INV	M20 H10-5 H11-5 H12-5 Trifid N
May 13 2021	36" 31mmT5	(Lb 1),EB,EEL,BOTH NEB PARTS EASILY DET,RIFTS,EDGES DEF IN DARK AREAS,W/OIII, FILLS FC		
Sep 11 2012	36" 31mmT5	EB,EL,W/OIII NICE D* IN CL,BROKEN PARTS,DARK LANES,BLUEISH GREEN ONE HALF,OTHER RI		
Mar 22 2004	12.5" 12mmT4	MESSIER MARATHON 2004		
Sep 20 1984	12.5" 24mm	SAME,TRIFID NEB		
Aug 13 1982	12.5" 24mm	MB,VL,DUST LANES EASILY DET,B DBL * IN CNTR,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!!,DBL * IS IN CNTR 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 I 3 r	CL,PRI,LC,ST9...12	M 21 Cr 363
Sep 11 2012	36" 31mmT5	VB,EL,2B*S SAME MAG CNTR, LOOSLY SC,* VAR MAG, INNER RING OF *S SIM MAG,R=G		
Mar 22 2004	12.5" 12mmT4	MESSIER MARATHON 2004		
Sep 20 1984	12.5" 16mm	VB,ML,~20*S, LOOSE,B* IN CNTR		
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
Jun 28 2019	36" 17mmT4	(Class VII),EB,EL,I'S FILL FOV,B*S SC INTO CORE,L UB CORE, MHISB,R=EE		
Sep 11 2012	36" 17mmT4	EB,VL,RSLV TO CORE,HUNDREDS OF *S,CORE HISB OVAL TO R,FILLS 1/2 FOV,AWESOME,R=E		
Mar 22 2004	12.5" 12mmT4	MESSIER MARATHON 2004		
Sep 20 1984	12.5" 16mm	VB,VL,RSLV,HUNDREDS OF *S,HISB CNTR,B*S ~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 II 2 r	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 & SC,*S ~SAME MAG,CL 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 I 2	CL,VRI,VMC,R,M WAY	M 24
Sep 11 2012	36" 31mmT5	MB,PL,100-200*S SIM MAG,NICELY CL,OBJECT FTR THAN MOST FOREGR *S,R=E		
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 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 II 3 m	CL,CL,PRI,PC,ST12.15	M 26 Cr 389
May 13 2021	36" 31mmT5	(II 3 m),VB,EL,V NICE FOV,~50*S VAR MAG,V RICH FOV,CL DET,(3:21am),R=GE		
Mar 22 2004	12.5" 12mmT4	MESSIER MARATHON 2004		
Mar 27 1981	12.5" 24mm	MESSIER MARATHON 1981		

Observations by Messier Objects

NGC	Obj	M	Type	Mag	Aperture	Notes
NGC 6853	Vul	M27	Planetary Neb 3+2			VB,VL,BIN,IE,DUMBABEL 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,CNTR*,R=			
Mar 22 2004	12.5"	12mmT4	MESSIER MARATHON 2004			
Aug 20 2003	31"	25mm	EB,EL,EHISB,ABOUT DOZEN *S INSIDE NEB,DETAILED AND PATCHY,R=E			
Jun 27 2003	12.5"	9mmT6	EB,EL,OIII FILTER ABSOLUTELY UNBELIEVABLE,DETAIL IN NEBULOSITY,BEST TO DATE,R=E			
Sep 19 1984	12.5"	12mm	VB,VL,HOUR GLASS SHAPE V EASILY DET,F 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,CNTR * 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
Jun 28 2019	36"	17mmT4	(Class V),VB,VL,GMBM,HISB MID,*S RSLV TO CORE,L SCATTERD OUTER *S,R=E			
Sep 11 2012	36"	17mmT4	VB,VL,HISB,RSLV TO CORE,HUNDREDS OF *S SIM MAG,WELL PLACED IN FOV,MHISB IN CNTR,F			
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 II 3 m n			CL,P,LC,STL\$\$ M 29 Cr 422
Mar 22 2004	12.5"	12mmT4	MESSIER MARATHON 2004			
Jun 23 2003	12.5"	9mmT6	EB,EL,-50*,VAR MAG,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
Jul 01 2019	36"	17mmT4	(Class III),VB,VL,BSNUC,CORE HISB,LOOSELY SC BTR *S W/MANY F*S RSLV,CORE RSLV,BEST \			
Sep 28 2013	36"	17mmT4	M30,EB,VL,HISB,ABCLASS VI,OUT A DOZEN B* WITH HUNDREDS FTR *,RSLV TO CORE,HISB COI			
Sep 04 2005	10"	12mmT4	VB,PL,RSLV TO CORE,SVRL HUNDRED *S,HISB IN CORE,F OUTER HALO GLOW,R=E			
Jul 08 1983	12.5"	16mm	MB,PL,BNUC,MORE *S SC TO N,B*S TO N,BNUC,OUTER *S RSLV			
Jul 10 1981	12.5"	16mm	MB,PS,B CNTR RGN,GBM,HALO OF F*S			
Sep 10 1980	12.5"	24mm				

Observations by Messier Objects

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 THRUT,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,BSNUC,PATCHY AREAS IN L HALO,VMBM,HISB,R=E		
Mar 19 2004	12.5"	12mmT4	MESSIER MARATHON 2004		
Aug 31 1984	12.5"	12mm	VB,MS,F * NE SVRL GLXY 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;=M33	M 33 Triangulum Galaxy UGC 63
Sep 14 2012	36"	17mmT4	EB,EEL,BNUC,SVRL FOV'S,KNOTS,SPR STR,H2 RGN,DUST,ARMS,TONS OF DETAIL,R=E			
Mar 19 2004	12.5"	12mmT4	MESSIER MARATHON 2004			
Mar 02 1984	10"	20mm	SAME			
Sep 23 1981	12.5"	16mm	MB,EL,BARMS,SPR STR DET,H2 RGN 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!!,SVRL 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 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,SC *S,BTR 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 III 3 r	CL,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,BIN FINDER,HUNDRES OF *S ~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 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 BTR		
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 I 2 r	CL,RI,PCM,ST L\$\$	M 37 Cr 75
Mar 08 2013	36" 17mmT4	MESSIER MARATHON 2013		
Feb 09 2013	36" 31mmT5	EB,EL,~200*S WELL PLACED,SIM MAG'S,M CL,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 CNTER,* 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 II 2 r	CL,B,VL,VRI,IF,STL\$\$	M 38 Cr 67
Nov 13 2020	36" 55mm	(II 2 r),EB,EEL,FILLS FOV,100*"S SMWHT SAME MAG,(2:47am),R=G		
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 ~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 III 2 m	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 ~SAME MAG,LOC IN BARREN * FIELD		
Mar 27 1981	12.5" 24mm	MESSIER MARATHON 1981		
NGC 2287 CMa	M41	Open Cluster 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 BG		
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	Brn Nebula EN+RN	THETAORI \$GREAT NEB	M42 Orion Nebula LBN 974
Mar 05 2021	36" 31mmT5	(Lb 1),DIF,EB,EL,W/UHC, DETAIL BEYOND DESCRIPTION,UHC DETAILS NEB DIF THAN OIII,(8:10pi		
Mar 08 2013	36" 17mmT4	MESSIER MARATHON 2013		
Feb 05 2005	31" 31mmT5	EEL,SVRL 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 BTR,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	Brn Nebula E	VB,VL,RW/TAIL,MBM*8	Orion Nebula
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 II 3 m	PRAESEPE CANCRI	M 44 Praesepe Cr 189
Mar 03 2021	36"	55mm	(II 3 r),EEB,EEEL,BEST IN FINDER,STANDS OUT WELL,TOO L FOR 55MM,(9:33pm),R=P		
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 FAIRH
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 II 2 r	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,S PLANTARY LOCATED IN CL		
Mar 27 1982	12.5"	24mm	MF,PL,HUNDREDS OF F* ~SAME MAG,WELL DISPERSED		
Mar 27 1981	12.5"	24mm	MESSIER MARATHON 1981		
Dec 03 1980	12.5"	24mm			

Observations by Messier Objects

NGC 2422 Pup	M47	H38-8	Open Cluster I 3 m	CL,B,VL,PRI,ST L\$\$	Cr 152 NGC 2478
Mar 03 2021	36"	55mm	(I 3 r),EB,EEL,2 FOV'S,MANY *'S,VAR MAG,FILLS FOV,(8:45pm),R=G		
Nov 24 2006	12.5"	12mmT4	VB,EL,NOT WELL PLACED,~20*'S,LOOSLY SC,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 SC,~50*'S DIFF MAG		
Mar 27 1982	12.5"	24mm	VB,VL,B DBL * IN CNTR,~25*'S,NO CL DET,JUST B*'S		
Mar 27 1981	12.5"	24mm	MESSIER MARATHON 1981		
Dec 03 1980	12.5"	24mm			
NGC 2548 Hya	M48	H22-6	Open Cluster I 3 r	CL,VL,PRI,PMC,*9..13	M 48 Cr 179
Mar 03 2021	36"	55mm	(I 3 r),EEB,EEL,BEST IN FINDER,36" TO MUCH SCOPE,SVRL FOV'S,(9:20pm),R=P		
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,BTR IN FINDER		
Oct 24 1981	12.5"	24mm	VB,EL,BTR IN FINDER,FILLS UP 24MM		
Mar 27 1981	12.5"	24mm	MESSIER MARATHON 1981		
Dec 03 1980	12.5"	24mm			
NGC 4472 Vir	M49	H7-1	Galaxy E2	VB,L,R,MBM,R	M 49 MCG 6-3-25 CGCG 520-31 F
Feb 22 2020	36"	17mmT4	EB,VL,OVAL,BLNUC,HISB,GMBM,HISB CNTR,GRAN HALO,R=E		
Apr 11 2015	36"	17mmT4	EB,VL,VL BNUC,BM,HISB MID,* OFF NUC,OVAL PATCH MHISB,R=G		
Mar 16 2010	31"	17mmT4	VB,VL,OVAL,BLNUC,L HALO ARMS,GRAD MBM,HISB CNTR,F* OFF NUC,R=E		
Mar 19 2004	12.5"	12mmT4	MESSIER MARATHON 2004		
May 01 1981	12.5"	24mm	EB,EL,BNUC,BARMS,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 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,SMWHT SET ASIDE FROM FIELD *'S		
Mar 27 1981	12.5"	24mm	MESSIER MARATHON 1981		
Sep 10 1980	12.5"	24mm			

Observations by Messier Objects

NGC	CVn	M51	Galaxy SA(s)bc pec	GREAT SPIRAL NEBULA	M 51 Whirlpool Galaxy	UGC 958
Apr 19 2014	36"	17mmT4	EB,EEL,BLNUC,HISB,M51,INTRACT=5195,ARMS,DUST,H2	RGN,SBM,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,BSNUC,GMBM,SPRIAL	ARMS DET,BEST EVER SEEN,B CNTR CORE,BH2	RGN DET,M51,F	
Mar 02 1984	10"	20mm	SAME			
Jan 28 1982	12.5"	16mm	DARK AREAS SEPARATE WINDING ARMS,INTRACT 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 II 2 r	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				
NGC 5024	Com	M53	Globular	GCL,B,VC,IR,VVMBM,	M 53	
Apr 11 2015	36"	17mmT4	(Class V),VB,VL,RSLV TO CORE,GRP OF B*S OFF ONE SIDE OF NUC,MHISB SECTIONS IN NUC,*!			
Mar 19 2004	12.5"	12mmT4	MESSIER MARATHON 2004			
Mar 02 1984	10"	20mm	VB,VL,BNUC,R,OUTER *S RSLV,BLNUC			
Mar 27 1981	12.5"	24mm	MESSIER MARATHON 1981			
NGC 6715	Sgr	M54	Globular	GCL,VB,L,R,G,SMBM,	M 54	
Jun 28 2019	36"	17mmT4	(Class III),VB,MS,LB NUC,HISB,*S RSLV TO LB CORE,R=GE			
Mar 22 2004	12.5"	12mmT4	MESSIER MARATHON 2004			
Sep 20 1984	12.5"	12mm	MB,PS,BNUC,VMBM,OUTER *S JUST RSLV,LNUC RGN			
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	
Jun 28 2019	36"	17mmT4	(Class XI),VB,EL,OUTER *S RSLV,V L GLOW OF NUC,R=G			
Mar 22 2004	12.5"	12mmT4	MESSIER MARATHON 2004			
Sep 20 1984	12.5"	16mm	PF,VL,MANY *S RSLV,MHISB,GLOW IN BG,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				

Observations by Messier Objects

NGC 6779 Lyr	M56	Globular	GCL,B,L,IR,GVMCM,RRR	M 56
Jul 01 2019	36" 17mmT4	(Class VIII),VB,ML,MHISB,RSLV TO CORE,OUTER *S SMWHT SC,CORE MHISB,*S RSLV,R=GE		
Mar 22 2004	12.5" 12mmT4	MESSIER MARATHON 2004		
Jun 04 1981	12.5" 16mm	MF,ML,*S ~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			
NGC 6720 Lyr	M57	Planetary Neb 4+3	RINGNEB,B,PL,CE,LYRA	M 57 Ring Nebula PK 63+13.1 PN
Aug 23 2009	31" 12mmT4	VB,VL,OVAL,HISB,BTHICK SIDES,F NEB INSIDE,CNTR*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,CNTR * DET,BEST OBSERVATION TODATE,OBLONG RING		
Sep 01 2002	31" 9mmT6	CNTR * SEEN, FT DETAIL IN NEB,BEST VIEW TO DATE		
Sep 20 1981	12.5" 24mm			
Jun 04 1981	12.5" 9mm	WITH BARROW,CNTR * COMES AND GOES WITH AV,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,MSNUC,PATCH,R=G		
May 09 2010	31" 17mmT4	PB,PL,EL,BSNUC,SBM,HISB CNTR,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,MSNUC,OVAL MHISB PATCH SUR NUC AREA,R=G		
May 09 2010	31" 17mmT4	PB,PL,EL-OVAL,BSNUC,SBM,HISB CNTR,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			

Observations by Messier Objects

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,L SOFT BNUC,HISB MID,L OVAL PATCH,CLOSE COMP,R=G		
May 09 2010	31"	17mmT4	VB,VL,OVAL,BLNUC,NUC ALM UB,SBM,HISB CNTR,CLOSE COMP=4647,PAIR=PGC42846,R=E		
Mar 19 2004	12.5"	12mmT4	MESSIER MARATHON 2004		
Mar 27 1982	12.5"	12mm	MF,PS,EL,BNUC,LOC IN BARREN * FIELD,PAIR/4638		
Jun 04 1981	12.5"	24mm	PB,PL,BNUC,B HALO,PAIR/4638		
Mar 27 1981	12.5"	24mm	MESSIER MARATHON 1981		
Jun 10 1980	6"	24mm			
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,VBSNUC HISB WELL DEFINED,B BAR WITH ARMS AT ENDS,* OFF ONE ARM,B P/		
Mar 08 2010	31"	17mmT4	PB,PL,BSNUC,MHISB CNTR,FACE ON,F* IN OUTER ARM,SPR STR DET,DUST,PATCHY AREAS IN /		
Mar 19 2004	12.5"	12mmT4	MESSIER MARATHON 2004		
Feb 12 1983	12.5"	24mm	PB,VL,*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
Jun 25 2019	36"	17mmT4	(Class IV),EB,EL,BNUC,HISB,100'S *S RSLV TO CORE,MBM,*S SIM MAG, WELL PLACED,R=EEE		
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,VBSNUC,PATCHY AREAS IN ARMS,SUDLY MBM,HISB HALO SUR NUC,SPR EFFECT S		
Mar 19 2004	12.5"	12mmT4	MESSIER MARATHON 2004		
Mar 02 1984	10"	20mm	SAME		
Jan 28 1982	12.5"	16mm	PB,PL,EL,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,BSNUC,SBM		
Mar 27 1981	12.5"	24mm	MESSIER MARATHON 1981		

Observations by Messier Objects

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,BLNUC,HISB,ARMS AND DUST,M65,BEST SEEN TODATE,R=E		
Mar 03 1984	12.5" 12mm	VB,VL,EDGE ON,BNUC,BARMS,BLNUC,TAPERED 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,B HALO,PAIR/3627/3626		
Dec 03 1980	12.5" 24mm			
Jun 10 1980	6" 24mm			
Apr 18 1980	6" 24mm	CLOSE PAIR/M66		
NGC 3627 Leo	M66	Galaxy SAB(s)b	B,VL,ME150,MBM,2*NP	M 66 MCG -2-3-64 VV 361 ARP 11
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,BLNUC,B BAR,SPR ARMS DET,DUST DET,HISB,M66, BEST TODATE,R=E		
Mar 03 1984	12.5" 12mm	VB,VL,EDGE ON,BNUC,GBM,VBSNUC,B*NW,FTR * SW		
Mar 02 1984	10" 20mm	SAME		
Mar 27 1981	12.5" 24mm	MESSIER MARATHON 1981		
Jan 30 1981	12.5" 24mm	EB,EL,EL,BNUC,B 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 II 3 r	CL,VB,VL,ERI,LC,*10.	M 67 Cr 204
Mar 03 2021	36" 55mm	(II 3 r),VB,VL,NICE FOV,*S VAR MAG,CL DET,R IN SHAPE,STANDS OUT WELL,(9:40pm),R=GE		
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,~SAME MAG		
Oct 24 1981	12.5" 24mm	VB,VL,80*S IN R 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	(Class X),VB,VL,RSLV TO CORE,MHISB CORE,*S VAR MAG SC,DENSITY OF *S DEC FROM NUC,R		
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
Jun 28 2019	36" 17mmT4	(Class V),PB,MS,F OUTER *S RSLV TO CORE,L CORE UB,R=G		
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			

Observations by Messier Objects

NGC 6681 Sgr	M70	Globular	GCL,B,PL,R,GBM,	M 70
Jun 28 2019	36" 17mmT4	(Class IV),PB,MS,SB NUC,MHISB,OUTER *S RSLV TO CORE,R=G		
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			
NGC 6838 Sge	M71	Globular	CL,VL,VRI,PMC,*11.16	M 71
Jun 28 2019	36" 17mmT4	(Class II),PB,PL,RSLV,BTR *S ON TOP OF FTR *S,RICH * FOV,R=G		
Mar 22 2004	12.5" 12mmT4	MESSIER MARATHON 2004		
Sep 23 2003	31" 25mm	EF,EL,RSLV,BEAUTIFUL,HUNDREDS OF *S,STRONG BG GLOW,R=E		
Aug 20 2003	31" 25mm	EB,EL,HUNDREDS/THOUSANDS OF *S,RSLV TO CORE,FOV GLOWS W/F*S,R=E		
Jul 30 1981	12.5" 24mm	PB,VL,PAIR/H20		
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
Jun 28 2019	36" 17mmT4	(Class VIII),MB,PL,RSLV,*S VAR MAG,R=G		
Mar 22 2004	12.5" 12mmT4	MESSIER MARATHON 2004		
Aug 31 1984	12.5" 16mm	PB,PL,BNUC,R,HISB CNTR,OUTER *S JUST RSLV		
Jul 09 1983	12.5" 12mm	MB,PL,RSLV,BM,SC *S EL2F*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 IV 1 p	CL,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 S "Y" SHAPE,NOT A TRUE CL		
Jul 09 1983	12.5" 12mm	MB,PS,ASTERISM OF 4*S,LOOKS LIKE S SAGITTA 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,BSNUC,SPR ARMS, DUST,SN IN OUTER ARM AT EDGE ~ 12TH MAG,MHISB CNTR,KI		
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			

Observations by Messier Objects

NGC 6864 Sgr	M75	Globular	GCL,B,PL,R,VMBMBN,RR	M 75	
Jun 28 2019	36" 17mmT4	(Class I),VB,ML,BLNUC,HISB,VMBM,OUTER HALO	*S RSLV GOING INTO BNUC,R=E		
Mar 22 2004	12.5" 12mmT4	MESSIER MARATHON 2004			
Sep 20 1984	12.5" 12mm	MB,PS,BNUC,R,BM,OUTER HALO ALM RSLV			
Mar 27 1981	12.5" 24mm	MESSIER MARATHON 1981			
Jul 17 1980	12.5" 24mm				
Jun 18 1980	12.5" 24mm				
NGC 650 Per	M76	H193-1	Planetary Neb 3+6	VB,P OF DNEB =M76	NGC 651 M 76 Little Dumbbell Pl
Sep 02 2008	31" 17mmT4	VB,VL,BHOUR GLASS CNTR RGN,F WISPS OF NEB SIDES,OIII NO HELP,F* EDGE OF HOUR GLAS			
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 DET,MHISB,B RGN IN ONE LOBE, M76			
Mar 02 1984	10" 20mm	SAME			
Aug 25 1982	12.5" 16mm	HOUR GLASS SHAPE,WHIPHS OF NEB SUR TIPS,SAME AS BEFORE			
Oct 03 1981	12.5" 24mm	BLUE GREEN,MB,PS,S PART BTR,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,SUDLY BUILDS TO B* LIKE NUC,FACE ON,F 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	Brt Nebula R	B,L,WISP,GMBN,3*INV	M78	
Mar 04 2021	36" 31mmT5	(Lb 1),M78,DIF,VB,VL,W/OIII,2 B*S IN NEB,OVAL,SMOOTH AND UNIFORM,EDGES FADE AWAY,OT			
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 CNTR			
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				

Observations by Messier Objects

NGC 1904 Lep	M79		Globular	GCL,PL,ERI,EC,RRR	M 79
Feb 21 2020	36"	17mmT4	(Class IV),VB,VL,BNUC,MHISB,RSLV TO CORE,VAR MAG *S OUTER FRINGES,CARBON OR ORAN		
Mar 19 2004	12.5"	12mmT4	MESSIER MARATHON 2004		
Mar 02 1984	10"	20mm	SAME		
Oct 24 1981	12.5"	24mm	VB,MLCRSLV,DOZENS OF *S SUR 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			
NGC 6093 Sco	M80		Globular	GCL,VB,L,VMBM(VAR*)	M 80
Sep 26 2019	36"	17mmT4	(Class IV),VB,VL,BSNUC,GETTING LOW IN SW,RSLV TO CORE,S CORE WITH MANY F*S SUR NUC		
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 MC
Jan 29 2014	36"	17mmT4	M81,EB,EEL-OVAL,VBLNUC,HISB,FARMS ARCHING SUR NUC,FILLS FOV,MANY *S IN GLXY,R=E		
Mar 08 2013	36"	17mmT4	MESSIER MARATHON 2013		
Feb 04 2005	31"	17mmT4	EB,EL,EL,BLNUC,HISB,TIGHT CORE,ARMS,R=E		
Apr 14 2004	31"	17mmT4	EF,EL,BLNUC,HISB,M81,R=E		
Mar 19 2004	12.5"	12mmT4	MESSIER MARATHON 2004		
Mar 15 1985	12.5"	16mm	VB,VL,EL,BLNUC,SOFT NUC,VMBM,1F*S TIP,F HALO TO TAPERED 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			

Observations by Messier Objects

NGC 3034 UMa	M82	H79-4	Galaxy I0 sp	VB,VL,VME(RAY)	UGC 5322 CGCG 333-8 Arp 337
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,VHISB,2 DUST LANES DET,B RGN DET,TAPERED,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,TIGHT WELL FORMED SNUC,BPL LIKE,S PATCH OFF ONE SIDE OF NUC,SPR AR		
Mar 19 2004	12.5"	12mmT4	MESSIER MARATHON 2004		
Mar 27 1981	12.5"	24mm	MESSIER MARATHON 1981		
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 CNTR,MSNUC,F OBLONG HALO SUR NUC,R=G		
Mar 08 2010	31"	17mmT4	VB,PL,R,BLNUC,GRAN HALO,HISB CNTR,R=G		
Mar 19 2004	12.5"	12mmT4	MESSIER MARATHON 2004		
Apr 25 1981	12.5"	24mm	EB,PL,BNUC,BARMS,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 P
Apr 11 2015	36"	17mmT4	EB,VL,OVAL,GMBM,HISB CNTR,MSNUC,F OBLONG HALO SUR NUC,* OFF NUC,R=G		
Mar 08 2010	31"	17mmT4	VB,VL,OVAL,BSNUC,GMBM,HISB CNTR,GRAN 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 IR
Apr 11 2015	36"	17mmT4	EB,VL,OVAL,GMBM,HISB CNTR,MSNUC,F OBLONG HALO SUR NUC,R=G		
Mar 08 2010	31"	17mmT4	VB,PL,OVAL,BLNUC,GRAN HALO,GRAD BM,HISB CNTR,COMP=PGC40659,R=G		
Mar 19 2004	12.5"	12mmT4	MESSIER MARATHON 2004		
Apr 25 1981	12.5"	24mm	EB,PL,BARMS,PAIR/4388		
Mar 27 1981	12.5"	24mm	MESSIER MARATHON 1981		
Jun 10 1980	6"	24mm			

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
Apr 11 2015	36" 17mmT4	EB,EL,OVAL-R,VBLNUC,GETS BIN MID,HISB CNTER,F HALO SUR NUC,NO ARM STR,R=GE		
May 09 2010	31" 17mmT4	EB,VL,OVAL-R,BLNUC,L GRAN ARMS,GMBM,HISB CNTR,L 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 BCORE,GRAN ARMS,2F*S OUTER ARM,R=E		
Apr 11 2015	36" 17mmT4	EB,VL,EL,SOFT BSNUC,L ,EL PATCH OF ARMS AND HALO,BROKEN PARTS,R=E		
May 09 2010	31" 17mmT4	VB,EL-OVAL,BLNUC,FILLS FOV,GRAN ARMS,PATCHY AREAS,SUDLY MBM,HISB CNTR,2F* EDGE,		
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,BH2 RGN AND ARMS,DIF ARMS,SLT ,EL		
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 BIN MID,HISB CNTER,GR GET BTOWARDS MID,F HALO,R=GE		
May 09 2010	31" 17mmT4	EB,VL,OVAL-R,BLNUC,GRAN HALO,HISB CNTR,SUDLY MBM,R=E		
Mar 19 2004	12.5" 12mmT4	MESSIER MARATHON 2004		
Jun 04 1981	12.5" 24mm	VB,VL,BNUC,B HALO,PAIR/4550		
Mar 27 1981	12.5" 24mm	MESSIER MARATHON 1981		
Jun 10 1980	6" 24mm			
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,BS*NUC,F OVAL HALO MOSTLY ELNO ARM STR,R=G		
May 18 2007	31" 17mmT4	EB,EL,EL,VBSNUC,WELL DEFINED NUC,FARMS,DUST AREA SUSP ONE SIDE,R=E		
Mar 19 2004	12.5" 12mmT4	MESSIER MARATHON 2004		
Jun 04 1981	12.5" 24mm	EB,EL,EL,BNUC,B 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,EL,BNUC,MHISB,L SOF NUC,BGM,F HALO SUR NUC,ARMS NOT DET,R=GE		
Apr 11 2015	36" 17mmT4	PB,PL,S SOF GRAD BM,F HALO,BTR PATCH-BAR DET,R=G		
May 09 2010	31" 17mmT4	EB,EL,BSNUC,B BAR ACROSS NUC,SUDLY MBM,HISB CNTR,F HALO ARMS,VF OUTER LOOP ON		
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,LNUC,DIF HALO		
Mar 27 1981	12.5" 24mm	MESSIER MARATHON 1981		
Jun 10 1980	6" 24mm			

Observations by Messier Objects

NGC	Her	M92	Globular	GCL,VB,VL,ECM,ST S	M 92
Jun 28 2019	36"	17mmT4	(Class V),EB,EL,*S RSLV TO CORE,L HALO,BM,R=E		
Mar 19 2004	12.5"	12mmT4	MESSIER MARATHON 2004		
Jun 25 2003	12.5"	9mmT6	EB,EL,RSLV TO CORE,BEAUTIFUL,R=E		
Feb 25 1982	12.5"	16mm	RSLV TO CORE,VB,VL,BNUC,S 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 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 ~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,EBNUC,MHISB,SPR ARMS,HISB CNTR,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			
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,F HALO,HISB TOWARDS CNTR		
Mar 27 1981	12.5"	24mm	MESSIER MARATHON 1981		
Jan 30 1981	12.5"	24mm	VB,VL,BNUC,B 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,EL,BNUC,BM,HISB IN CNTR		
Mar 27 1981	12.5"	24mm	MESSIER MARATHON 1981		
Jan 30 1981	12.5"	24mm	DIF,VB,VL,EL,BNUC,B HALO		
Dec 03 1980	12.5"	24mm			

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 08 2013 36" 17mmT4	MESSIER MARATHON 2013		
Mar 16 2009 31" 17mmT4	EB,EL,CNTR* DET ~15TH MAG,DARK PATCHES,BROKEN EDGES,GREYISH GREEN,R=E		
Mar 16 2009 31" 17mmT4	EB,EL,W/OIII,LOOSE CNTR*,DOESNOT HELP MUCH,LTL MORE DARK PATCHES DET,R=E		
Feb 04 2005 31" 17mmT4	OIII,VB,EL-OVAL,HISB,2 DARK PATCHES,CNTR *,BEST TO DATE,PATCHY AREAS,DET,R=E		
Mar 19 2004 12.5" 12mmT4	MESSIER MARATHON 2004		
Dec 26 2003 31" 17mmT4	PB,VL,MHISB,CNTR *,DARK PATCHES,EDGES FRAILED,ANOTHER F* OFF CNTR,R=E		
Mar 15 1985 12.5" 12mm	VR,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,EL,BSNUC,MHISB,WELL PLACED,DUST AREAS SUSP,BROKEN ARMS,R=E		
Mar 08 2010 31" 17mmT4	VB,VL,EL EDGE ON,BSNUC,EDGE TO EDGE IN FOV,S B TIGHT CORE,SUDLY MBM,PATCHY AREA		
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,CNTR BULGE,TAPERED ENDS,BH2 RGN IN EQ		
Mar 27 1981 12.5" 24mm	MESSIER MARATHON 1981		
Jun 10 1980 6" 24mm			
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 W/SPR ARMS,BAR LIKE NUC,NUC EL IN SHAPE,2 ARMS EASILY DET,R=E		
Mar 08 2010 31" 17mmT4	PB,PL,BSNUC,FACE ON,GRADUALLY BM,SPR ARMS,SPR STR,PATCHY AREAS IN ARMS,PAIR=M/		
Mar 19 2004 12.5" 12mmT4	MESSIER MARATHON 2004		
Mar 02 1984 10" 20mm	MB,ML,EL,PATCHY,SBM,MHISB		
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,MHISB NUC,NUC LOOKS LIKE B BLUEISH PL WELL DEF,FARMS EASILY DET,SVRL *S IN		
Mar 08 2010 31" 17mmT4	VG,VL,OVAL,SPR STR,DUST,PATCHY H2 RGN,FACE ON,VR NUC,UB NUC,MHISB NUC,NUC WELL		
Mar 19 2004 12.5" 12mmT4	MESSIER MARATHON 2004		
Mar 02 1984 10" 20mm	MB,VL,BNUC,FACE ON,R-OVAL,BSNUC,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,BSNUC,FACE ON,SPR STR,H2 RGN,DUST,DETAIL IN ARMS,MANY F*S IN ARMS,PAIF		
Mar 19 2004 12.5" 12mmT4	MESSIER MARATHON 2004		
Mar 06 2003 12.5" 9mmT6	EB,EL,R,BSNUC,HISB,FACE ON,KNTS DET,ARMS DET,SPR STR DET,F*S,R NUC,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			

Observations by Messier Objects

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,TAPERED ENDS,LNUC AREA,GMBM,R=E		
Mar 02 1984	10" 20mm	SAME		
Jul 09 1983	12.5" 12mm	MB,ML,BNUC,2F*S ON BOTH SIDES,BLNUC,TAPERED ENDS		
Jul 22 1981	12.5" 16mm	VB,ML,EL,BNUC,B HALO SUR 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 II 2 m	CL,PL,B,R,RI,*10..11	M 103 Cr 14
Nov 11 2020	36" 31mmT5	(II 2 m),EB,VL,NICE FOV,B CARBON (RED) * IN CL,SMWHT CL,*S VAR MAG,(10:37pm),R=G		
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,VSMBMM	M 104 Sombrero Galaxy MCG 5-4
Apr 11 2015	36" 17mmT4	EB,EL,EDGE ON,DUST LANE CUTS OFF 1/2 NUC,S SOFT HISB GBM NUC,GRAN HISB ARMS,CNTR		
Mar 19 2004	12.5" 12mmT4	MESSIER MARATHON 2004		
Feb 12 1983	12.5" 16mm	VB,ML,EDGE ON,BNUC,DUST LANE EASILY DET,B CNTR BULGE,CUT IN TWO		
May 01 1981	12.5" 24mm	VB,PL,EDGE ON,BUC,B HALO,DUST LANE SEEN THROUGH GLXY		
Mar 27 1981	12.5" 24mm	MESSIER MARATHON 1981		
May 07 1980	5" 9mm	E!!,DUST LANE DET,SHAPE DET		
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 CNTR,EL NUC,GMBM,SPRIAL ARMS,SPR STR,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,F HALO,* ON NW EDGE,OVAL,4217 TO W 1 GLXY 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			

Observations by Messier Objects

NGC 6171 Oph	M107	H40-6	Globular X	GCL,L,VRI,VMC,R,RRR	M 107
May 09 2010	31"	17mmT4	(Class VI),VB,VL,RSLV TO CORE,L OUTER HALO SC	*S VAR 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 SUR OBJECT,SOME F* SC		
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	UGC 6225 CGCG 268-1 CGCG 268-1
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,MHISB,3*S IN GLXY,H2 RGN DET,DUST DET,PATCHY ARMS DET,E		
Mar 15 1985	12.5"	12mm	MB,PL,EDGE ON,F*N EDGE,B*CNTER,MHISB,KNTY STR SUSP,E!!!		
Mar 02 1984	10"	20mm	SAME		
Oct 22 1982	12.5"	16mm	DIF,MB,VL,F*N EDGE,EDGE ON,UB,LG,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		
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,EL,BVLNUC,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	UGC 5 MCG 0-1-21 CGCG 382-21
Mar 19 2004	12.5"	12mmT4	MESSIER MARATHON 2004		
Aug 31 1984	12.5"	24mm	MB,PL,FNUC,COMP TO M31,EL,F* IN EASTERN PART,SOFT DIF NUC		
Mar 02 1984	10"	20mm	SAME		
Sep 24 1981	12.5"	16mm	SBM,SLT OVAL,FARMS,DIF,MB,PL,EL		
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			