

Globular Cluster Observations

IC 1257	Oph	Globular	
May 16 2004 31"	17mmT4	DIF,VF,ML,OVAL,UB,LOC IN BARRON * FIELD,R=P	
NGC 288	Sci	H20-6 Globular GCL,B,L,LE,*12...16	
Sep 23 1981 12.5"	16mm	DIF,MB,EL,R,SEVERAL HUNDRED *S SAME MAG,V LITTLE CLUSTERING TOWARDS MID	
Sep 09 1980 12.5"	16mm	RESOLVED TO CORE,EXCELLENT!!	
NGC 1851	Col	Globular GCL,VB,VL,R,VSVVBM	
Oct 12 2012 36"	17mmT4	EB,EL,LARGE BNUC,HISB,VERY SIM TO M15,RESOLVED TO CORE,8.8 DEG ABOVE HORIZON,HUNDREDS OF F* AROUND CORE,HISB MIDDLE,R=GE	
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		
NGC 2298	Pup	Globular GCL,B,PL,IR,GBM,RR	
Dec 03 1980 12.5"	24mm		
NGC 2419	Lyn	H218-1 Globular PB,PL,LE90,VGBM,*4F	
Oct 16 1982 12.5"	16mm	MF,PL,R,UB,SBM,2 B*S POINT TO IT,COUPLE OF F*S SCATTERED AROUND OBJECT	
NGC 4147	Com	H19-1 Globular GCL,VB,PL,R,GBM,RRR	
Mar 08 2010 31"	17mmT4	PB,ML,TYPE APPROX VI,RESOLVED TO CORE,SBNUC,MOD HISB MIDDLE,F HALO OF *S RESOLVED,R=G	
Feb 12 1983 12.5"	12mm	MB,PL,RESOLVED TO CORE,OUTER *S CLOSELY GROUPED,BM	
Jun 10 1980 6"	24mm	VF,LOOKS LIKE FAINT GAL	
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 *S DEC FROM NUC,R=E	
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 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 NUC,*S FALL OFF SHARPLY MOVING AWAY FROM NUC,-TYPE III,R=EE	
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 5053	Com	H7-6 Globular CL,VF,PL,IR,VGBM,*15	
Apr 11 2015 36"	17mmT4	MB,PL,DOZ OR SO B*S LOOSLY SCATTERED,LITTLE CLUSTERING IN NUC AREA DET,OC LIKE,-TYPE XII,R=G	
Mar 22 2004 12.5"	12mmT4	VDIF,EF,VL,OVAL,FAINT PATCHY AREAS DETECTED,MORE WITH AV,R=P	
Mar 27 1981 12.5"	24mm		

Globular Cluster Observations

NGC 5272	CVn M3	Globular	GCL,EB,VL,VSBM,*11.	M 3
Apr 11 2015 36"	17mmT4	EB,EL,BRTHISB CORE RESOLVED,3-D LIKE,AMAZING,HUNDREDS OF *S RESOLVED,~TYPE VI,R=EE		
May 14 2010 31"	17mmT4	EB,EL,HISB GLOW IN NUC,RESOLVED,TYPE III,LARGE TIGHT CORE,HUNDREDS F*S SCATTERED AROUND CORE,R=E		
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=E		
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			
NGC 5466	Boo	H9-6	Globular	CL,L,VRI,VMC,ST11...
Apr 11 2015 36"	17mmT4	MB,ML,BRT 'S LOOSLY SCATTERED,FT SOFT BACKGROUND AROUND NUC AREA,~TYPE XI,R=G		
May 06 1981 12.5"	16mm	VB,EL		
Jul 14 1980 12.5"	24mm			
NGC 5634	Vir	H70-1	Globular	GCL,VB,CL,R,GBM,RRR
Apr 11 2015 36"	17mmT4	PB,MS,SPEC FOV,BRT FOREGROUND * CLOSE BY,SEVERAL B*S AROUND NUC,MOD HISB MID,RESOLVED CORE,LITTLE OR NO HALO,~TYPE II,R=E		
Jun 11 1983 12.5"	20mm	VB,PL,BNUC,TRI OF B*S AROUND OBJECT,HISB,BM		
NGC 5694	Hya	H196-2	Globular	CB,CS,R,PSBM,R,*9SP
Apr 11 2015 36"	17mmT4	PB,MS,SM BRT NUC WITH HISB,HALO OF RESOLVED *S CLOSE TO NUC,19 DEG ALT,~TYPE III,R=G		
Jun 11 1983 12.5"	20mm	MF,PS,BNUC,R,2*S SE,1*SW 1 GAL DIA,1F* SW 2 GAL DIA,MOD HISB		
NGC 5897	Lib	H19-6	Globular	GCL,PF,L,VIR,VGBM,
May 02 1981 12.5"	16mm	PB,EL		
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 MORE *S,TYPE V,E=E		
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 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 6121	Sco M4	Globular	CL,8OR10B*LINE,RRR	M 4
May 09 2010 31"	17mmT4	VB,EL,TYPE VIII,RESOLVED TO CORE,WIDELY SCATTERED OUTER HALO,VARIOUS MAG'S,CORE		

Globular Cluster Observations

NGC 6121	Sco M4	Globular	CL,8OR1OB*LINE,RRR	M 4
May 09 2010			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 6144	Sco	H10-6	Globular	CL,CL,MC,GBM,RRR
May 28 2008	31" 17mmT4		MB,PL,RESOLVED,SEVERAL B*'S WITH FAINTER BACKGROUND,CORE NOT SO COMPACT,R=G	
Aug 13 1982	12.5" 24mm		DIF,MF,PS,CLOSE TO ANTARIES,F*W,F*N EDGE,OVAL,NO CENTRAL GATHERING DET	
NGC 6171	Oph M107	H40-6	Globular	GCL,L,VRI,VMC,R,RRR
May 09 2010	31" 17mmT4		VB,VL,TYPE VI,RESOLVED TO CORE,LARGE OUTER HALO SCATTERED *'S VARIOUS MAG,R=E	M 107
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 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 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	

Globular Cluster Observations

NGC 6218	Oph M12	Globular	GCL,VB,VL,IR,GMBM	M 12
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			
NGC 6229	Her	H50-4 Globular	GCL,VB,L,R,DISC,R	
Feb 25 1982	12.5" 16mm	MB,MS,BNUC,MOD HISB,ALMOST RESOLVED,R		
Jul 14 1980	12.5" 24mm			
Jul 12 1980	12.5" 24mm			
Jul 11 1980	12.5" 24mm			
Jun 17 1980	12.5" 24mm			
Apr 18 1980	6" 24mm	LOOKS LIKE 3RD * IN A TRI		
NGC 6235	Oph	H584-2 Globular	PB,CL,IR,RRR,*14..16	
Jul 21 1984	12.5" 16mm	VDIF,VF,MS,FAINT PATCH,FAINT TRI OF *S AROUND OBJECT		
Jun 04 1981	12.5" 24mm	DIF,MB,ML,10 MAG *S		
Jun 18 1980	12.5" 24mm	VF,FAINT TRI OF *S SURROUND OBJECT		
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 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 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 6284	Oph	H11-6 Globular	GCL,B,L,R,CM,ST16...	

Globular Cluster Observations

NGC 6284	Oph	H11-6 Globular GCL,B,L,R,CM,ST16...
Jul 21 1984	12.5" 16mm	PF,PS,FNUC,NOT RESOLVED,SBM,PATCHY
Jun 04 1981	12.5" 24mm	MB,PL,BNUC
Jun 18 1980	12.5" 24mm	BETTER THAN 6287,BNUC
Jun 18 1980	12.5" 24mm	
NGC 6287	Oph	H195-2 Globular GCL,CB,L,R,GPMCM,RRR
Jul 21 1984	12.5" 16mm	VDIF,VF,MS,OVAL,UB,NO *S RESOLVED
Jun 04 1981	12.5" 24mm	DIF,PF,MS
Jun 18 1980	12.5" 24mm	EF,NND,LOC IN BARREN * FIELD
NGC 6293	Oph	H12-6 Globular GCL,VB,L,R,PSBM,ST16
Jul 21 1984	12.5" 12mm	MB,PL,BNUC,R,SBM,NO *S RESOLVED
Jun 04 1981	12.5" 24mm	MB,ML,BNUC
Jun 18 1980	12.5" 24mm	
NGC 6304	Oph	H147-1 Globular GCL,B,CL,R,LBM,RRR
Jun 04 1981	12.5" 24mm	DIF,MF,PS
Jun 18 1980	12.5" 24mm	
NGC 6316	Oph	H45-1 Globular GCL,CB,PS,R,GVMBM
Jun 04 1981	12.5" 24mm	DIF,MF,MS
NGC 6325	Oph	Globular PF,L,R,RR
Jun 04 1981	12.5" 24mm	DIF,EF,ML,LOCATED NORTH OF DOUBLE *
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 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	

Globular Cluster Observations

NGC 6342	Oph	H149-1 Globular CB,PS,LE,ER
Jul 21 1984	12.5" 12mm	VF,VS,VF* ON S EDGE,PATCH-UB,NO I'S RESOLVED
Jun 04 1981	12.5" 24mm	DIF,PF,PS
Jun 18 1980	12.5" 24mm	VS,LOOKS LIKE NEB
Jun 10 1980	6" 24mm	VF,HARD TO SEE
NGC 6355	Oph	H46-1 Globular CF,L,R,GBM,RRR
Jun 04 1981	12.5" 24mm	DIF,PF,PS
NGC 6356	Oph	H48-1 Globular GCL,VB,CL,VGVMBM,RRR
Jul 21 1984	12.5" 12mm	MB,ML,BNUC,R,HISB MIDDLE,*S NOT RESOLVED
Jun 04 1981	12.5" 24mm	MB,ML,BNUC
Jun 18 1980	12.5" 24mm	
Jun 10 1980	6" 24mm	
NGC 6366	Oph	Globular F,L,VLBM
Jun 04 1981	12.5" 24mm	DIF,VF,EL,EAST OF B*
NGC 6401	Oph	H44-1 Globular PB,PL,R,*12F INV
Jun 04 1981	12.5" 24mm	DIF
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 6426	Oph	H587-2 Globular VF,CL,E,VLBM
Jun 04 1981	12.5" 24mm	DIF,MF,PS
NGC 6440	Sgr	H150-1 Globular PB,PL,R,BM
Sep 20 1984	12.5" 12mm	DIF,MF,PS,BETWEEN A LINE OF *S,6440 TO N 1/2 DEGREE,R,BM
Aug 13 1982	12.5" 16mm	MF,VS,F*N,R,SBM,VF*W,PAIR/6445
NGC 6517	Oph	H199-2 Globular PB,PL,R,RR
Jun 04 1981	12.5" 24mm	DIF,PF,PS
NGC 6522	Sgr	H49-1 Globular GCL,B,PL,R,GVMBM,RRR
Sep 20 1984	12.5" 12mm	PF,PS,2F*S BOTH SIDES,EF* ON W EDGE,SBM,PATCHY-R,PAIR/6528 TO W
Aug 13 1982	12.5" 16mm	MF,VS,F*NE EDGE,R,MBM,OUTER *S JUST RESOLVABLE,PAIR/6538
NGC 6528	Sgr	H200-2 Globular GCL,PF,CS,R,GBM,RRR
Sep 20 1984	12.5" 16mm	DIF,VF,VS,6522 SAME FIELD TO E,IN BARREN * AREA,R,SBM
Aug 13 1982	12.5" 16mm	VDIF,PF,VS,SBM,NO *S RESOLVED,PAIR/6522
NGC 6535	Ser	Globular PF,VS,VSNEB*P

Globular Cluster Observations

NGC 6535	Ser	Globular	PF,VS,VSNEB*P
May 31 1981 12.5"	24mm	PF,ML	
NGC 6539	Ser	Globular	NO DESCRIPT
May 31 1981 12.5"	24mm	PB,PL	
NGC 6540	Sgr	H198-2 Globular	PF,S,IE,ER OR CL
Sep 20 1984 12.5"	16mm	VDIF,VF,VS,*S APPROX SAME MAG(11.5),SCATTERED,FIND 6520 FIRST	
Aug 13 1982 12.5"	16mm	DIF,VF,VS,ELONG PATCH,APPEARS AS A GAL,LOCATE FROM 6520,FEW *S RESOLVED	
NGC 6544	Sgr	H197-2 Globular	CF,PL,IR,R
Sep 20 1984 12.5"	16mm	VF,MS,F* VERY CLOSE BY,R,BM,SOME *S RESOLVED	
Aug 13 1982 12.5"	16mm	MF,MS,FNUC,SMALL NUC,GBM,SOME *S RESOLVED,R	
NGC 6553	Sgr	H12-4 Globular	GCL,F,L,LE,VGLBM,RR
Sep 21 1984 12.5"	16mm	SAME,DARK PATCH DET ON EDGE	
Aug 13 1982 12.5"	16mm	MF,PL,OV,AL,PATCHY,F*N EDGE,SBM	
NGC 6558	Sgr	Globular	GCL,PB,PL,R,GLBM,RRR
Sep 21 1984 12.5"	16mm	DIF,VF,VS,PATCHY-OVAL,2F*S OFF TO ONE SIDE	
NGC 6569	Sgr	H201-2 Globular	GCL,CB,L,R,RRR,*15..
Sep 21 1984 12.5"	24mm	PF,PS,R,SBM,2F*S TO S IN A LINE POINTING TO A BRT DOUBLE *,F* ON S EDGE	
Aug 13 1982 12.5"	16mm	DIF,MF,MS,R,GBM,UB	
NGC 6624	Sgr	H50-1 Globular	GCL,VB,PL,R,RRR,ST16
Aug 13 1982 12.5"	16mm	VB,MS,BNUC,R,VMBM	
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 HISB IN MIDDLE,R=E	
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 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 6638	Sgr	H51-1 Globular	GCL,B,S,R,RR
Jun 18 1980 12.5"	24mm		
Jun 17 1980 12.5"	24mm		

Globular Cluster Observations

NGC 6642	Sgr	H205-2	Globular	GCL,PB,PL,IR,GPMBM	
Aug 13 1982	12.5"	16mm		MF,PS,VMBM,R	
NGC 6652	Sgr		Globular	B,S,LE,RRR,ST15	
Sep 05 2007	31"	17mmT4		MB,ML,SMALL CENTRAL CORE,OUTER *S RESOLVED,FEW BRTER *S OFF EDGE,R=F	
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,AWESOME,,R=E	
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 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			
NGC 6712	Sct	H47-1	Globular	GCL,PB,VL,IRR,RRR	
Sep 05 2007	31"	17mmT4		PB,VL,OVAL,HUNDREDS *S,RESOLVED TO CORE,*S MOSTLY SAME MAG,R=E	
Aug 13 2007	31"	31mmT5		VB,VL,RESOLVED,17MM *S IN CORE DET,R=E	
Aug 13 1982	12.5"	16mm		MB,VL,OVAL,PATCHY,SBM,OUTTER *S STARTING TO RESOLVE	
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 6717	Sgr	H143-3	Globular	F,S,RR,CL+NEB	
Sep 04 2002	12.5"	9mmT6		PB,ML,B* CLOSE BY,VF* IN EDGE OF GAL,HISB,2 HALVES OR PARTS DETECTED	
NGC 6723	Sgr		Globular	GCL,VL,VLE,VGBM,RRR	
Sep 20 1981	12.5"	24mm			
Jun 18 1980	12.5"	24mm			
NGC 6749	Aql		Globular	CL,L,LC,ST L\$\$	
Jun 25 2003	12.5"	9mmT6		PB,ML,*S NOT GROUPED WELL,VERY FAINT BACKGROUND GLOW,R=P	

Globular Cluster Observations

NGC 6760	Aql	Globular 2 19 08.6+0057	
Aug 31 1984	12.5" 16mm	SAME,MOD HISB,3F*S ON OUTER EDGE	
Jul 10 1981	12.5" 12mm	DIF,R,PF,ML,STARS 10-11 MAG,NO DIF HALO	
Jul 15 1980	12.5" 24mm		
Jul 11 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		
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 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/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 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		
NGC 6934	Del	H103-1 Globular GCL,B,L,R,RRR,*16...	
Aug 20 2003	31" 25mm	VB,VL,RESOLVED TO CORE,HUNDRED'S OF *S,MANY *S DETECTED IN CORE,R=E	
Jul 31 2002	12.5" 12mm	SAME	
Jul 08 1983	12.5" 12mm	MB,MS,BNUC,B* TO W,RESOLVED OUTER *S,GBM	
Jul 30 1981	12.5" 16mm	DNUC,GMBM,SOFT HALO OF *S RESOLVED,R	
Jul 11 1980	12.5" 24mm		

Globular Cluster Observations

NGC 6934	Del	H103-1	Globular	GCL,B,L,R,RRR,*16...	
Jun 20 1980	12.5"	24mm			
Jun 18 1980	12.5"	24mm			
Jun 17 1980	12.5"	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 7006	Del	H52-1	Globular	B,PL,R,GBM	very distant globular
Jul 31 2002	12.5"	12mm		SAME	
Jul 08 1983	12.5"	12mm		DIF,MF,MS,FNUC,R,SBM,SOFT GLOW	
Jul 30 1981	12.5"	24mm		BNUC,NO *S IN HALO SEEN,R,SMALL VERY DIF	
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			
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 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 CORE,CORE ELONG,TYPE VI,R=E	

Globular Cluster Observations

NGC 7099	Cap M30	Globular	GCL,B,L,LE,GPMBM	M 30
Sep 04 2005	10" 12mmT4	VB,PL,RESOLVED TO CORE,SEVERAL HUNDRED *S,HISB IN CORE,F OUTTER 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			
NGC 7492	Aqr	H558-3	Globular	EF,L,BET2D*
Jul 10 1981	12.5" 16mm	DIF,PF,VL,FAINT DIF *S		
Sep 10 1980	12.5" 32mm	BARELY VISIBLE		
PAL 1	Cep	Globular		Palomar 1
Sep 18 2004	31" 17mmT4	VDIF,EF,MS,PATHC,UB,AV,STAR HOPPED,LOC GOOD,PATCH AREA WITH AV,R=P		
PAL 2	Aur	Globular		Palomar 2
Dec 04 2004	31" 17mmT4	VF,VL,R,PATCH,R=P		
PAL 3	Sex	Globular		Palomar 3
Apr 11 2015	36" 17mmT4	EF,VS,PATCH,~TYPE X,AV ONLY SUSP,LOC GOOD,JUST A HINT OF EXTREMELY FAINT SMUG,R=P		
PAL 4	UMa	Globular		Palomar 4
Apr 11 2015	36" 17mmT4	EF,MS,PATCH,~TYPE X,VERY F PATCH,CANNOT MAKE OUT INDIVIDUAL *S,R=P		
PAL 10	Sge	Globular		Palomar 10
Sep 23 2003	31" 17mmT4	EDIF,EF,MS,PATCH,SUSP,CANNOT CONFIRM,LOC GOOD,R=P		
Sep 23 2003	31" 25mm	EDIF,EF,MS,PATCH,HINT OF AREA OF SLIGHT BRIGHTNESS,LOC GOOD,SUSP,R=P		