

Globular Cluster Observations

BOL 119	And	Globular	NBol 14
Aug 02 2005	8" 11mmT6	MB,ML,OVAL,MSB,R=G	
ESO 456-38	Sgr	Globular	Djorgovski 2
Jul 13 2007	8" 7.5mmW	PB,PS,RESOLVE OUTER STARS,R=G	
Jul 09 2005	8" 11mmT6	VF,VS,R=F	
HP 1	Oph	Globular	
Jul 23 2016	12" 8mm Et	VF,VS,R=P.	
Jul 13 2007	8" 7.5mmW	VF,VS,R,PATCHY,R=F	
IC 1257	Oph	Globular	
Jul 03 2005	8" 11mmT6	VF,VS,AV,R=F	
IC 1276	Ser	Globular	
Jul 09 2005	8" 11mmT6	VF,ML,R=F	
NGC 288	Sci	H20-6 Globular GCL,B,L,LE,*12...16	
Oct 09 2007	8" 11mmT6	PB,PL,SMUDGE, RESOLVED NO STARS,R=G	
NGC 1904	Lep M79	Globular GCL,PL,ERI,EC,RRR	M 79
Mar 16 2012	18" 17mmAT	2012 M.M.	
Mar 01 2011	12" 17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES	
Mar 08 2010	12" 26mm	M.M. 2010 MANUAL SETTING CIRCLES	
Mar 20 2009	16" 26mm	MESSIER MARATHON - 2009	
Mar 26 2006	8" 19mmW	B,PS,,TIGHT,R=F	
Mar 19 2004	8" 25mmPL	2004 MESSIER MARATHON - ARGO NAVIS	
Dec 26 2003	8" 25mmPL	Q/M COLD	
NGC 2419	Lyn	H218-1 Globular PB,PL,LE90,VGBM,*4'F	
Dec 04 2004	8" 7.5mmW	OVAL,R=G	
NGC 4147	Com	H19-1 Globular GCL,VB,PL,R,GBM,RRR	
May 30 2016	12" 8mm Et	PF,PS,R=F. UNRESOLVED STARS	
Mar 29 2006	8" 11mmT6	F,S,R,NND,R=F CLASS IX	
Apr 13 2005	8" 7.5mmW	R,MSB,R=G	
NGC 4590	Hya M68	Globular GCL,L,ERI,VC,IR,ST12	M 68
May 14 2017	12" 11mmT6	LOW ON HORIZON. JUST A SMUDGE	
May 30 2016	12" 8mm Et	PF,PS,R=F. LOW ON HORIZON	
Mar 16 2012	18" 17mmAT	2012 M.M.	
Mar 01 2011	12" 17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES	
Mar 08 2010	12" 11mmT6	M.M. 2010 MANUAL SETTING CIRCLES	
Mar 20 2009	16" 26mm	MESSIER MARATHON - 2009	
Mar 27 2006	8" 19mmW	F,L,R,R=F, DENSE CLUSTER	
Mar 19 2004	8" 25mmPL	2004 MESSIER MARATHON - ARGO NAVIS	
NGC 5024	Com M53	Globular GCL,B,VC,IR,VVMBM,	M 53
May 30 2016	12" 8mm Et	FMSMR=G. RESOLVED OUTER STARS	
Mar 16 2012	18" 17mmAT	2012 M.M.	

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NGC 5024 Com M53 Globular GCL,B,VC,IR,VVMBM, M 53
 Mar 01 2011 12" 17mmAT M.M. 2011 - MANUAL SETTING CIRCLES
 Mar 08 2010 12" 11mmT6 M.M. 2010 MANUAL SETTING CIRCLES
 Mar 20 2009 16" 26mm MESSIER MARATHON - 2009
 Mar 10 2007 1.9" 12x50 PB,PL,R=G,COMPRESSED
 Mar 26 2006 8" 19mmW PB,L,HSB,R=G, DENSE
 Mar 19 2004 8" 25mmPL 2004 MESSIER MARATHON - ARGO NAVIS

NGC 5053 Com H7-6 Globular CL,VF,PL,IR,VGBM,*15
 May 30 2016 12" 8mm Et VF,S,R=F
 Mar 10 2007 1.9" 12x50 PB,PL,R=G,COMPRESSED
 May 12 2005 31" 19mmW FAINT,OVAL,R=F

NGC 5272 CVn M3 Globular GCL,EB,VL,VSMBM,*11. M 3
 May 14 2017 12" 17mmT4 NICE OBJECT. FIRST GLOBULAR OF THE SEASON
 Aug 07 2016 12" 8mm Et BRIGHT,SMALL,R=G
 May 30 2016 12" 8mm Et B,L,R=G. VERY NICE
 May 23 2015 12" 8mm Ds GOOD SHOW
 Sep 19 2014 12" 17mmAT B,L,R=F, HOME - 8-14-14
 Mar 16 2012 18" 17mmAT 2012 M.M.
 Mar 01 2011 12" 17mmAT M.M. 2011 - MANUAL SETTING CIRCLES
 Mar 08 2010 12" 26mm M.M. 2010 MANUAL SETTING CIRCLES
 Mar 20 2009 16" 26mm MESSIER MARATHON - 2009
 Jul 21 2007 1.9" 12x50 PB,S,R=G, SAME FOV AS C/2006-VZ13
 Mar 10 2007 1.9" 12x50 F,PS,R=F
 Mar 26 2006 8" 19mmW PB,PL,R,HSB,R=G
 Apr 04 2005 8" 11mmT6 LARGE, BRIGHT & ROUND!!!
 Aug 14 2004 8" 11mmT6 LARGER THAN I THOUGHT
 Apr 05 2004 8" 25mmPL FULLMOON - **MEGASTAR CONTROL**
 Mar 19 2004 8" 25mmPL 2004 MESSIER MARATHON - ARGO NAVIS
 Mar 13 2004 8" 25mmPL COMPUTER = ARGO NAVIS

NGC 5466 Boo H9-6 Globular CL,L,VRI,VMC,ST11...
 May 30 2016 12" 8mm Et VF,S,R=G
 May 04 2005 8" 11mmT6 VF,R,R=F

NGC 5634 Vir H70-1 Globular GCL,VB,CL,R,GBM,RRR
 May 30 2016 12" 8mm Et F,S,R=F
 Apr 14 2016 12" 11mmT6 SURPRISE IN VIRGO.
 Apr 28 2006 31" 19mmW PB,CL,R,R=G, CAN'T RESOLVE STARTS. VIII
 Jun 23 2004 8" 25mmPL QUARTER MOON, LEFT @1:30AM.

NGC 5694 Hya H196-2 Globular CB,CS,R,PSBM,R,*9SP
 Apr 13 2005 8" 7.5mmW VS,VF,R,R=F

NGC 5824 Lup Globular PB,S,STELL,N
 Jul 01 2016 12" 8mm Et B,S,R=G, CANNOT RESOLVE STARS

NGC 5897 Lib H19-6 Globular GCL,PF,L,VIR,VGBM,
 May 30 2016 12" 8mm Ds PF,S,R=F

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NGC	5897	Lib	H19-6	Globular	GCL,PF,L,VIR,VGBM,	
Jul 21 2007	1.9"	12x50		PF,PS,AV,R=F		
Jul 23 2006	8"	11mmT6		CF,PS,R,R=F		
Jul 15 2006	8"	19mmW		VF,PS,R=F, DIM, UNRESOLVED.		
May 16 2004	10"	28mm		CLEAR - MEGASTAR CONTROL		
NGC	5904	Ser	M5	Globular	GCL,VB,L,ECM,*11..15	M 5
Jul 02 2017	12"	17mmT4		CAN RESOLVE SOME STARS.		
May 30 2016	12"	8mm Ds		1ST OBJECT TONIGHT		
May 23 2015	12"	11mmT6				
Mar 16 2012	18"	17mmAT		2012 M.M.		
Mar 01 2011	12"	17mmAT		M.M. 2011 - MANUAL SETTING CIRCLES		
Mar 08 2010	12"	26mm		M.M. 2010 MANUAL SETTING CIRCLES		
Mar 20 2009	16"	26mm		MESSIER MARATHON - 2009		
Aug 16 2006	1.9"	12x50		B,S,R=G		
Mar 27 2006	8"	19mmW		B,L,R=G,DENSE, RESOLVE OUTER STARS		
May 04 2005	8"	11mmT6		VB,VL,R=E!!		
May 16 2004	10"	28mm		CLEAR - MEGASTAR CONTROL		
Mar 19 2004	8"	25mmPL		2004 MESSIER MARATHON - ARGO NAVIS		
NGC	5986	Lup		Globular	GCL,VB,L,R,VGBM,*13.	
Jul 01 2016	12"	8mm Et		F,S,R=F, FAINT OUTER STARS		
NGC	6093	Sco	M80	Globular	GCL,VB,L,VMBM(VAR*)	M 80
Jul 01 2016	12"	8mm Et		B,F,R=G		
Mar 16 2012	18"	17mmAT		2012 M.M.		
Mar 16 2012	18"	17mmAT		2012 M.M.		
Mar 01 2011	12"	17mmAT		M.M. 2011 - MANUAL SETTING CIRCLES		
Mar 08 2010	12"	11mmT6		M.M. 2010 MANUAL SETTING CIRCLES		
Mar 20 2009	16"	26mm		MESSIER MARATHON - 2009		
Aug 20 2006	1.9"	12x50		PF,S,R=F		
Mar 27 2006	8"	19mmW		VB,S,R=G,TIGHT GROUP		
May 22 2004	8"	25mmPL		DECENT NIGHT - MEGASTAR CONTROL		
NGC	6121	Sco	M4	Globular	CL,8OR10B*LINE,RRR	M 4
Jul 02 2017	12"	17mmT4		WASHED OUT. MOON NINE DAYS OLD.		
Aug 07 2016	12"	8mm Et		BRIGHT, LARGE,R=E		
May 30 2016	12"	8mm Ds		F,L,R=G		
Jul 15 2015	12"	8mm Ds		EYE CANDY TO START		
May 23 2015	12"	11mmT6		EYE CANDY		
Sep 19 2014	12"	17mmAT		5-DAYS AFTER NEW - SIGHTSEEING, HOME - 8/15/14		
Jul 13 2013	18"	7mm TV		MORE EYE CANDY		
Mar 16 2012	18"	17mmAT		2012 M.M.		
Jul 04 2011	12"	17mmT4		GOOD LOOKING		
Mar 01 2011	12"	17mmAT		M.M. 2011 - MANUAL SETTING CIRCLES		
Mar 08 2010	12"	11mmT6		M.M. 2010 MANUAL SETTING CIRCLES		
Aug 12 2006	1.9"	12x50		PF,VL,R,R=G		
Mar 27 2006	8"	19mmW		B,L,R=G,LOOSELY PACKED		
Aug 14 2004	8"	11mmT6				
May 22 2004	8"	25mmPL		DECENT NIGHT - MEGASTAR CONTROL		

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NGC 6121	Sco M4	Globular CL,8OR1OB*LINE,RRR	M 4
May 16 2004	10" 28mm	CLEAR - MEGASTAR CONTROL	
NGC 6139	Sco	Globular B,PL,R,PSBM,RR	
Jul 01 2016	12" 8mm Et	F,S,R=P, LOW ON HORIZON.	
Jul 03 2005	8" 11mmT6	VF,VS,R,R=F	
NGC 6144	Sco	H10-6 Globular CL,CL,MC,GBM,RRR	
Jul 01 2016	12" 8mm Et	F,L,R=G	
Sep 19 2014	12" 17mmAT	5-DAYS AFTER NEW - SIGHTSEEING, HOME - 8/15/14	
Jun 05 2011	12" 17mmT4	NICE GLOB.	
Jul 03 2005	8" 11mmT6	VF,VS,R,AV,R=F	
NGC 6171	Oph M107	H40-6 Globular GCL,L,VRI,VMC,R,RRR	M 107
Jul 02 2017	12" 17mmT4	OK	
Mar 16 2012	18" 17mmAT	2012 M.M.	
Mar 01 2011	12" 17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES	
Mar 08 2010	12" 11mmT6	M.M. 2010 MANUAL SETTING CIRCLES	
Mar 20 2009	16" 26mm	MESSIER MARATHON - 2009	
Aug 20 2006	1.9" 12x50	VF,PS,AV,R=F	
Mar 27 2006	8" 19mmW	F,L,R=F, DENSE	
Jun 14 2004	8" 25mmPL	SPOTTY CLOUDS - MEGASTAR CONTROL	
NGC 6205	Her M13	Globular GCL,EB,VRI,VGECM,*11	M 13 Great Cluster in Hercules
Jul 02 2017	12" 17mmT4	LOOKED PRETTY GOOD	
May 14 2017	12" 11mmT6	GREAT	
May 30 2016	12" 8mm Ds	B,L,R=E. OUTSTANDING	
May 30 2016	12" 8mm Et	ALWAYS GREAT	
Aug 21 2015	12" 17mmT4		
Jul 15 2015	12" 17mmT4		
Oct 24 2012	8" 11mmT6	VERY NICE - EVEN IN 8"	
Mar 16 2012	18" 17mmAT	2012 M.M.	
Mar 01 2011	12" 17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES	
Mar 08 2010	12" 26mm	M.M. 2010 MANUAL SETTING CIRCLES	
Mar 20 2009	16" 26mm	MESSIER MARATHON - 2009	
Sep 07 2006	1.9" 12x50	DIFF,MB,L,R=G	
Mar 27 2006	8" 19mmW	B,L,R,R=G,DENSE,RESOLVE OUTER STARS	
Apr 08 2005	8" 11mmT6	VB,VL,ROUND,R=E!!!	
Oct 31 2004	1.9" 12x50	BEST GLOBULAR YET, R=VG	
Aug 14 2004	8" 11mmT6	CAN SEPARATE THE FRONT STARS	
Jun 19 2004	31" 17mmT4	***** AWESOME *****	
May 22 2004	8" 25mmPL	DECENT NIGHT - MEGASTAR CONTROL	
Mar 19 2004	8" 25mmPL	2004 MESSIER MARATHON - ARGO NAVIS	
Nov 08 2003	8" 25mmPL	FIRST OBJECT @ WARREN RUPP OBSV.	
NGC 6218	Oph M12	Globular GCL,VB,VL,IR,GMBM	M 12
Jul 02 2017	12" 17mmT4	NOT AS BRIGHT AS M 10.	
Jul 15 2015	12" 17mmT4		
May 23 2012	18" 17mmAT	GLOBULAR CLUSTER EYE CANDY	
Mar 16 2012	18" 17mmAT	2012 M.M.	

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NGC 6218	Oph M12	Globular	GCL,VB,VL,IR,GMBM	M 12
Mar 01 2011 12"	17mmAT	M.M. 2011 -	MANUAL SETTING CIRCLES	
Mar 08 2010 12"	11mmT6	M.M. 2010	MANUAL SETTING CIRCLES	
Mar 20 2009 16"	26mm	MESSIER MARATHON -	2009	
Aug 12 2006 1.9"	12x50	PF,S,R,R=F		
Mar 27 2006 8"	19mmW	B,L,R=G,LOOSELY	PACKED	
May 04 2005 8"	11mmT6	MB,ML,R=E		
May 16 2004 10"	28mm	CLEAR -	MEGASTAR CONTROL	
NGC 6229	Her	H50-4	Globular	GCL,VB,L,R,DISC,R
Jun 17 2016 12"	8mm Ds	COULD NOT	RESOLVE	
May 30 2016 12"	8mm Ds	B,S,R=G. NICE	SPOT.	
Oct 24 2012 8"	11mmT6	PF,PS,R=F, THIS	WAS THE FAINTEST OF THE FOUR FOR THE NIGHT.	
Jun 19 2004 8"	25mmPL	GOOD NIGHT -	MEGASTAR	
NGC 6235	Oph	H584-2	Globular	PB,CL,IR,RRR,*14..16
Jul 15 2006 8"	19mmW	CF,PS,R-F,LITTLE	BRIGHTER, DIM STARS	
Jul 08 2004 8"	25mmPL	VERY CLEAR	NIGHT - LEFT AT 1:00AM	
NGC 6254	Oph M10	Globular	GCL,B,VL,R,GVMBM,RRR	M 10
Jul 02 2017 12"	17mmT4	NOT TOO	BAD.	
Aug 21 2015 12"	17mmT4			
Jul 15 2015 12"	17mmT4			
May 23 2012 18"	17mmAT	GLOBULAR	CLUSTER EYE CANDY	
Mar 16 2012 18"	17mmAT	2012	M.M.	
Mar 01 2011 12"	17mmAT	M.M. 2011 -	MANUAL SETTING CIRCLES	
Mar 08 2010 12"	11mmT6	M.M. 2010	MANUAL SETTING CIRCLES	
Mar 20 2009 16"	26mm	MESSIER	MARATHON - 2009	
Aug 12 2006 1.9"	12x50	PF,S,R,R=F		
Jul 16 2006 8"	19mmW	PB,PL,R=G, OUTER	STARS RESOLVED.	
Mar 27 2006 8"	19mmW	B,L,R=G,LOOSELY	PACKED	
May 16 2004 10"	28mm	CLEAR -	MEGASTAR CONTROL	
NGC 6256	Sco	Globular	GCL,VF,VL,IR,VGBM	
Jul 01 2016 12"	7mm TV	V,S,R=F		
Aug 20 2006 8"	7.5mmW	VF,VS,AV,R=F		
NGC 6266	Oph M62	Globular	GCL,VB,L,GMBM,RRR,	M 62
Mar 16 2012 18"	17mmAT	2012	M.M.	
Mar 01 2011 12"	17mmAT	M.M. 2011 -	MANUAL SETTING CIRCLES	
Mar 08 2010 12"	26mm	M.M. 2010	MANUAL SETTING CIRCLES	
Mar 20 2009 16"	26mm	MESSIER	MARATHON - 2009	
Aug 16 2006 1.9"	12x50	B,S,R=F		
Mar 27 2006 8"	19mmW	B,S,R=G, TIGHT	GROUP	
Aug 14 2004 8"	11mmT6			
May 16 2004 10"	28mm	CLEAR -	MEGASTAR CONTROL	
NGC 6273	Oph M19	Globular	GCL,VB,L,R,VCM,RRR	M 19
Jul 02 2017 12"	17mmT4	SMUDGE. CANNOT	RESOLVE ANY STARS	
May 30 2016 12"	8mm Ds	F,S,R=F. LOW	ON HORIZON	

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NGC 6273 **Oph M19** **Globular** **GCL,VB,L,R,VCM,RRR** **M 19**
 Mar 16 2012 18" 17mmAT 2012 M.M.
 Mar 01 2011 12" 17mmAT M.M. 2011 - MANUAL SETTING CIRCLES
 Mar 08 2010 12" 11mmT6 M.M. 2010 MANUAL SETTING CIRCLES
 Mar 20 2009 16" 26mm MESSIER MARATHON - 2009
 Aug 16 2006 1.9" 12x50 F,S,R=F
 Mar 27 2006 8" 19mmW B,S,R=G, TIGHT GROUP
 May 16 2004 10" 28mm CLEAR - MEGASTAR CONTROL

NGC 6284 **Oph** **H11-6** **Globular** **GCL,B,L,R,CM,ST16...**
 Jul 02 2017 12" 17mmT4 PF,PS,R=F. SMUDGE
 May 30 2016 12" 8mm Ds VF,PS,R=F
 Jul 15 2006 8" 19mmW PF,PS,R=F
 Jun 14 2004 8" 25mmPL SPOTTY CLOUDS - MEGASTAR CONTROL

NGC 6287 **Oph** **H195-2** **Globular** **GCL,CB,L,R,GPMCM,RRR**
 May 30 2016 12" 8mm Ds VF,PS,R=F
 Jul 15 2015 12" 8mm Ds
 Jul 15 2006 8" 19mmW CF,PS,R=F, DIM SMUDGE, NO STARS
 Jul 08 2004 8" 25mmPL VERY CLEAR NIGHT - LEFT AT 1:00AM

NGC 6293 **Oph** **H12-6** **Globular** **GCL,VB,L,R,PSBM,ST16**
 Jul 01 2016 12" 7mm TV F,S,R=F,RESOLVE OUTER STARS
 Jul 15 2015 12" 8mm Ds
 Jul 15 2006 8" 19mmW PF,PS,R=F,FAINT STARS
 Jun 23 2004 8" 25mmPL QUARTER MOON, LEFT @1:30AM.

NGC 6304 **Oph** **H147-1** **Globular** **GCL,B,CL,R,LBM,RRR**
 Jul 01 2016 12" 7mm TV F,S,R=F,RESOLVE OUTER STARS
 Jul 15 2006 8" 19mmW CF,PS,R=F,TIGHT SMUDGE, NO STARS
 Jun 23 2004 8" 25mmPL QUARTER MOON, LEFT @1:30AM.

NGC 6316 **Oph** **H45-1** **Globular** **GCL,CB,PS,R,GVMBM**
 Jul 01 2016 12" 7mm TV F,PS,R=F
 Jul 15 2006 8" 19mmW F,PS,R=F,LOOSE SMUDGE, NO STARS
 Jun 23 2004 8" 25mmPL QUARTER MOON, LEFT @1:30AM.

NGC 6325 **Oph** **Globular** **PF,L,R,RR**
 Jul 01 2016 12" 7mm TV VF,PS,R=F
 May 19 2010 12" 9mm VF,VS,AV,R=F, FAINT SMUDGE, NO STARTS TO RESOLVE.
 Jul 31 2005 8" 7.5mmW VF,VS,R,LOWSB,AV,R=F

NGC 6333 **Oph M9** **Globular** **GCL,B,L,R,ECM,RRR,** **M 9**
 Jul 01 2016 12" 7mm TV F,S,R=G,RESOLVED OUTER STARS
 Jul 15 2015 12" 17mmT4
 Mar 16 2012 18" 17mmAT 2012 M.M.
 Jul 04 2011 12" 11mmT6 FINE OBJECT
 Mar 01 2011 12" 17mmAT M.M. 2011 - MANUAL SETTING CIRCLES
 Mar 08 2010 12" 26mm M.M. 2010 MANUAL SETTING CIRCLES
 Mar 20 2009 16" 26mm MESSIER MARATHON - 2009

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NGC 6333 Oph M9 Globular GCL,B,L,R,ECM,RRR, M 9
 Aug 16 2006 1.9" 12x50 PF,PS,R=F
 Mar 27 2006 8" 19mmW F,VL,R,R=F,
 Jun 14 2004 8" 25mmPL SPOTTY CLOUDS - MEGASTAR CONTROL

NGC 6341 Her M92 Globular GCL,VB,VL,ECM,ST S M 92
 Jul 02 2017 12" 17mmT4 GOOD
 May 14 2017 12" 11mmT6 RESOLVED STARS
 May 30 2016 12" 8mm Ds B,L,R=E. OUTSTANDING. NOT AS LARGE AS M13 THOUGH.
 Aug 21 2015 12" 8mm Ds
 Oct 24 2012 8" 11mmT6 STILL NICE.
 Mar 16 2012 18" 17mmAT 2012 M.M.
 Mar 01 2011 12" 17mmAT M.M. 2011 - MANUAL SETTING CIRCLES
 Mar 08 2010 12" 26mm M.M. 2010 MANUAL SETTING CIRCLES
 Mar 20 2009 16" 26mm MESSIER MARATHON - 2009
 Sep 07 2006 1.9" 12x50 DIFF,PF,PS,R=F
 Mar 27 2006 8" 19mmW B,L,R,R=G,DENSE,RESOLVE OUTER STARS
 Oct 31 2004 1.9" 12x50 R=G
 Aug 14 2004 8" 11mmT6
 Mar 19 2004 8" 25mmPL 2004 MESSIER MARATHON - ARGO NAVIS

NGC 6342 Oph H149-1 Globular CB,PS,LE,ER
 Jul 01 2016 12" 7mm TV PF,PS,R=F
 Jul 15 2006 8" 19mmW VF,PS,R=F, DIM, UNRESOLVED.
 Jun 23 2004 8" 25mmPL QUARTER MOON, LEFT @1:30AM.

NGC 6355 Oph H46-1 Globular CF,L,R,GBM,RRR
 Jul 23 2016 12" 8mm Et PF,PS,R=F. DID NOT RESOLVE.
 Jul 15 2006 8" 19mmW EF,S,AV,R=F
 Jun 23 2004 8" 25mmPL QUARTER MOON, LEFT @1:30AM.

NGC 6356 Oph H48-1 Globular GCL,VB,CL,VGVMBM,RRR
 Jul 23 2016 12" 8mm Et F,S,R=F. DID NOT RESOLVE
 Jul 21 2007 1.9" 12x50 PF,S,PATCH,R=F
 Jul 15 2006 8" 19mmW PB,PS,R=G, DIM STARS
 Jun 23 2004 8" 25mmPL QUARTER MOON, LEFT @1:30AM.

NGC 6366 Oph Globular F,L,VLBM
 Jul 23 2016 12" 8mm Et VF,L,R=P. DID NOT RESOLVE.
 Jul 21 2007 1.9" 12x50 PF,PS,AV,R=F
 Aug 16 2006 1.9" 12x50 PF,PS,R=F
 Jul 15 2006 8" 19mmW EF,PS,AV,R=F
 Jul 08 2004 8" 25mmPL VERY CLEAR NIGHT - LEFT AT 1:00AM

NGC 6380 Sco Globular EF,PS,LE,*9ATT
 Aug 20 2006 8" 7.5mmW VF,VS,R=F

NGC 6401 Oph H44-1 Globular PB,PL,R,*12F INV
 Jul 15 2006 8" 19mmW EF,CS,R=F,VERY DIM SMUDGE
 Jun 19 2004 8" 25mmPL GOOD NIGHT - MEGASTAR

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NGC 6402 Oph M14 Globular GCL,B,VL,R,ERI,VGMBM M 14
 Jul 15 2015 12" 17mmT4
 Mar 16 2012 18" 17mmAT 2012 M.M.
 Mar 01 2011 12" 17mmAT M.M. 2011 - MANUAL SETTING CIRCLES
 Mar 08 2010 12" 11mmT6 M.M. 2010 MANUAL SETTING CIRCLES
 Mar 20 2009 16" 26mm MESSIER MARATHON - 2009
 Aug 16 2006 1.9" 12x50 PF,PS,RF,BRIGHTER THAN 6366
 Mar 27 2006 8" 19mmW F,L,R=F,TIGHT SMUDGE
 Jun 14 2004 8" 25mmPL SPOTTY CLOUDS - MEGASTAR CONTROL

NGC 6426 Oph H587-2 Globular VF,CL,E,VLBM
 Sep 19 2014 12" 17mmAT 5-DAYS AFTER NEW - SIGHTSEEING, HOME - 8/15/14
 Jul 09 2005 8" 11mmT6 VF,VS,R=F

NGC 6440 Sgr H150-1 Globular PB,PL,R,BM
 Jul 13 2007 8" 11mmT6 PF,CS,ALMOST RESOLVE STARS,R=G
 Jul 15 2006 8" 19mmW CF,CS,R=F
 Jun 19 2004 8" 25mmPL GOOD NIGHT - MEGASTAR

NGC 6441 Sco Globular GCL,VB,PL,R,VGMBM,
 Jul 15 2006 8" 19mmW PB,CS,R=G,TIGHT GROUP, UNRESOLVABLE
 Jun 23 2004 8" 25mmPL QUARTER MOON, LEFT @1:30AM.

NGC 6453 Sco Globular CL,IR,PMBM,R
 Jul 03 2005 8" 11mmT6 VF,VS,R,R=F

NGC 6517 Oph H199-2 Globular PB,PL,R,RR
 Jul 09 2005 8" 11mmT6 MF,ML,R=F
 Jul 03 2005 8" 11mmT6 VF,VS,AV,R=F

NGC 6522 Sgr H49-1 Globular GCL,B,PL,R,GVMBM,RRR
 Jul 05 2016 12" 8mm Et F,S,R=G, SAME FIELD AS NGC-6528
 Jul 15 2006 8" 19mmW PB,S,R=F
 Jun 19 2004 8" 25mmPL GOOD NIGHT - MEGASTAR

NGC 6528 Sgr H200-2 Globular GCL,PF,CS,R,GBM,RRR
 Jul 05 2016 12" 8mm Et PF,PS,R=G, SAME FIELD AS NGC-6522
 Jul 15 2006 8" 19mmW CF,CS,R=G
 Jun 19 2004 8" 25mmPL GOOD NIGHT - MEGASTAR

NGC 6535 Ser Globular PF,VS,VSNEB*P
 Jul 09 2005 8" 11mmT6 MF,ML,R=G

NGC 6539 Ser Globular NO DESCRIPT
 Jul 09 2005 8" 11mmT6 VF,ML,R=F

NGC 6540 Sgr H198-2 Globular PF,S,IE,ER OR CL
 Jul 05 2016 12" 8mm Et F,PS,R=F, ALMOST LOST IN HEAVY STAR FIELD
 Jul 13 2007 8" 7.5mmW VF,VS,PATCHY,R=F
 Jul 09 2005 8" 11mmT6 R=F. LOOSE GROUP, FEWER STARS

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NGC 6544	Sgr	H197-2	Globular	CF,PL,IR,R	
Jul 05 2016	12"	8mm Et	PF,S,R=F		
Jul 15 2006	8"	19mmW	PF,CS,R=F,SMUDGE, NO STARS		
Aug 14 2004	8"	11mmT6			
Jun 19 2004	8"	25mmPL	GOOD NIGHT - MEGASTAR		
NGC 6553	Sgr	H12-4	Globular	GCL,F,L,LE,VGLBM,RR	
Jul 05 2016	12"	8mm Et	PF,S,R=G		
Jul 15 2006	8"	19mmW	PF,PS,R=F		
Jun 19 2004	8"	25mmPL	GOOD NIGHT - MEGASTAR		
NGC 6558	Sgr		Globular	GCL,PB,PL,R,GLBM,RRR	
Jul 05 2016	12"	8mm Et	PF,PS,R=F,CAN' RESOLVE STARS		
Jul 08 2004	8"	25mmPL	VERY CLEAR NIGHT - LEFT AT 1:00AM		
NGC 6569	Sgr	H201-2	Globular	GCL,CB,L,R,RRR,*15..	
Jul 05 2016	12"	8mm Et	F,S,R=F,CAN'T RESOLVE STARS		
Jul 15 2006	8"	19mmW	F,CS,R=F		
Jun 19 2004	8"	25mmPL	GOOD NIGHT - MEGASTAR		
NGC 6624	Sgr	H50-1	Globular	GCL,VB,PL,R,RRR,ST16	
Jul 05 2016	12"	8mm Et	F,PS,R=G,VERY NICE.		
Jul 16 2006	8"	19mmW	PF,PS,R=F		
Jun 19 2004	8"	25mmPL	GOOD NIGHT - MEGASTAR		
NGC 6626	Sgr	M28	Globular	GCL,VB,L,R,GECLM,RRR	M 28
Jul 05 2016	12"	8mm Et	F,S,R=G		
Mar 16 2012	18"	17mmAT	2012 M.M.		
Mar 01 2011	12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES		
Mar 08 2010	12"	26mm	M.M. 2010 MANUAL SETTING CIRCLES		
Mar 20 2009	16"	26mm	MESSIER MARATHON - 2009		
Aug 16 2006	1.9"	12x50	B,S,R=F		
Mar 27 2006	8"	19mmW	F,FS,R,R=G, TIGHT GROUP		
Jun 14 2004	8"	25mmPL	SPOTTY CLOUDS - MEGASTAR CONTROL		
NGC 6637	Sgr	M69	Globular	GCL,B,L,R,RRR,*14.16	M 69
Jul 05 2016	12"	8mm Et	EXCELLENT		
Mar 16 2012	18"	17mmAT	2012 M.M.		
Mar 01 2011	12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES		
Mar 08 2010	12"	26mm	M.M. 2010 MANUAL SETTING CIRCLES		
Aug 13 2007	31"	31mmT5	PB,PS,MORE STARS, CONDENSED,R=E		
Aug 20 2006	1.9"	12x50	F,S,R=F		
Mar 27 2006	8"	19mmW	F,S,R=F,TIGHT GROUP		
Jun 19 2004	8"	25mmPL	GOOD NIGHT - MEGASTAR		
NGC 6638	Sgr	H51-1	Globular	GCL,B,S,R,RR	
Jul 05 2016	12"	8mm Et	F,PS,R=F		
Jul 16 2006	8"	19mmW	CF,PS,R=F		
Jun 19 2004	8"	25mmPL	GOOD NIGHT - MEGASTAR		

Globular Cluster Observations

NGC 6642	Sgr	H205-2	Globular	GCL,PB,PL,IR,GPMBM	
Jul 05 2016	12"	8mm Et	PF,PS,R=F		
Jul 16 2006	8"	19mmW	F,CS,R=F		
Jun 19 2004	8"	25mmPL	GOOD NIGHT - MEGASTAR		
NGC 6652	Sgr		Globular	B,S,LE,RRR,ST15	
Jul 05 2016	12"	8mm Et	NOTT BAD FOR NON-MESSIER GLOBULAR		
Jul 16 2006	8"	19mmW	CF,CS,R=F		
Jun 19 2004	8"	25mmPL	GOOD NIGHT - MEGASTAR		
NGC 6656	Sgr M22		Globular	GCL,VB,VL,R,VRI,VMC	M 22
Jul 05 2016	12"	8mm Et	F,L,R=E!		
Jul 01 2016	12"	8mm Et	PB,PL,R=E!!		
Mar 16 2012	18"	17mmAT	2012 M.M.		
Jul 04 2011	12"	11mmT6	FINE OBJECT		
Mar 01 2011	12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES		
Mar 20 2009	16"	26mm	MESSIER MARATHON - 2009		
Aug 12 2006	1.9"	12x50	PB,PL,R,R=F		
Mar 27 2006	8"	19mmW	B,PL,R=G, RESOLVE OUTER STARS		
Jun 14 2004	8"	25mmPL	SPOTTY CLOUDS - MEGASTAR CONTROL		
NGC 6681	Sgr M70		Globular	GCL,B,PL,R,GBM,	M 70
Jul 05 2016	12"	8mm Et	VERY GOOD		
Mar 16 2012	18"	17mmAT	2012 M.M.		
Mar 01 2011	12"	17mmAT	M.M. 2011 - MANUAL SETTING CIRCLES		
Mar 08 2010	12"	26mm	M.M. 2010 MANUAL SETTING CIRCLES		
Aug 20 2006	1.9"	12x50	PF,S,R=F		
Mar 27 2006	8"	19mmW	PF,PS,R=F,TIGHT GROUP		
Jun 19 2004	8"	25mmPL	GOOD NIGHT - MEGASTAR		
NGC 6712	Sct	H47-1	Globular	GCL,PB,VL,IRR,RRR	
Aug 13 2007	31"	31mmT5	PB,PS,R=G, RESOLVE OUTER STARS		
Jul 21 2007	1.9"	12x50	F,PS,R=F		
Jul 15 2006	8"	19mmW	PB,PS,R=G		
Jun 19 2004	8"	25mmPL	GOOD NIGHT - MEGASTAR		
NGC 6715	Sgr M54		Globular	GCL,VB,L,R,G,SMBM,	M 54
Jul 05 2016	12"	8mm Et	SMALL AND TIGHT,R=G		
Mar 16 2012	18"	17mmAT	2012 M.M.		
Aug 16 2006	1.9"	12x50	PF,PS,R=F		
Mar 27 2006	8"	19mmW	PF,PS,R=F,TIGHT GROUP		
Jun 19 2004	8"	25mmPL	GOOD NIGHT - MEGASTAR		
NGC 6717	Sgr	H143-3	Globular	F,S,RR,CL+NEB	
Jun 19 2004	8"	7.5mmW	GOOD NIGHT - MEGASTAR		
NGC 6723	Sgr		Globular	GCL,VL,VLE,VGBM,RRR	
Jul 16 2006	8"	19mmW	CF,PS,R=F		
Jul 08 2004	8"	25mmPL	VERY CLEAR NIGHT - LEFT AT 1:00AM		

Globular Cluster Observations

NGC 6749	Aql	Globular	CL,L,LC,ST L\$S	
Jul 25 2017	12"	11mmT6	PF,PS,R=F.	COULD NOT RESOLVE ANY STARS.
Jul 03 2005	8"	11mmT6	VF,VS,AV,R=F	
NGC 6760	Aql	Globular	2 19 08.6+0057	
Jul 25 2017	12"	11mmT6	VF,VS,R=F	
Jun 26 2004	8"	25mmPL	CLOUDS EARLY - GIBBOUS MOON	
Jun 19 2004	8"	25mmPL	GOOD NIGHT - MEGASTAR	
NGC 6779	Lyr M56	Globular	GCL,B,L,IR,GVMCM,RRR	M 56
Jul 19 2017	12"	11mmT6	F,S,R=G	
Jun 17 2016	12"	8mm Ds	VERY NICE	
Oct 24 2012	8"	11mmT6	STILL NICE.	LIKE THOSE GLOBS.
Mar 16 2012	18"	17mmAT	2012 M.M.	
Mar 01 2011	12"	17mmAT	M.M. 2011 -	MANUAL SETTING CIRCLES
Mar 08 2010	12"	26mm	M.M. 2010	MANUAL SETTING CIRCLES
Mar 20 2009	16"	26mm	MESSIER MARATHON -	2009
Jun 30 2008	16"	17mmT4	PB,PL,R=G	
Oct 08 2006	1.9"	12x50	F,S,R=F	
Mar 27 2006	8"	19mmW	F,PS,R,R=F,LOOSELY	PACKED
Dec 26 2003	8"	25mmPL	Q/M COLD	
NGC 6809	Sgr M55	Globular	GCL,PB,L,R,VRI,VGBM	M 55
Mar 16 2012	18"	17mmAT	2012 M.M.	
Aug 16 2006	1.9"	12x50	PF,L,R=F	
Mar 27 2006	8"	19mmW	VF,L,R=F	
Jun 19 2004	8"	25mmPL	GOOD NIGHT -	MEGASTAR
NGC 6838	Sge M71	Globular	CL,VL,VRI,PMC,*11.16	M 71
Jul 19 2017	12"	11mmT6	F,S,R=G.	LOOKED BETTER THAN M56
Sep 02 2016	12"	8mm Et	NOT BAD.	HAVEN'T LOOKED AT THIS ONE IN A WHILE.
Oct 21 2012	8"	11mmT6	F,S,R=G,	ANOTHER SURPRISE UNDER THE STREETLIGHTS
Mar 16 2012	18"	17mmAT	2012 M.M.	
Mar 01 2011	12"	17mmAT	M.M. 2011 -	MANUAL SETTING CIRCLES
Mar 08 2010	12"	26mm	M.M. 2010	MANUAL SETTING CIRCLES
Mar 20 2009	16"	26mm	MESSIER MARATHON -	2009
Sep 01 2008	31"	17mmT4	PB,PS,USB,R=G,	NICE GLOBULA
Aug 20 2006	1.9"	12x50	F,L,R=F	
Mar 27 2006	8"	19mmW	DIFF,F,L,R=F,LOOSELY	PACKED
Jul 16 2004	8"	25mmPL	CLEAR -	SEEING NOT TOO BAD
Jun 19 2004	8"	25mmPL	GOOD NIGHT -	MEGASTAR
NGC 6864	Sgr M75	Globular	GCL,B,PL,R,VMBMBN,RR	M 75
Mar 16 2012	18"	17mmAT	2012 M.M.	
Mar 08 2010	12"	11mmT6	M.M. 2010	MANUAL SETTING CIRCLES
Aug 16 2006	1.9"	12x50	PF,S,R=F	
Jul 16 2006	8"	19mmW	PF,PS,R=F	
Jul 09 2005	8"	11mmT6	PB,PL,R=G,TIGHT	GROUP
Jun 19 2004	8"	25mmPL	GOOD NIGHT -	MEGASTAR

Globular Cluster Observations

NGC 6934	Del	H103-1	Globular	GCL,B,L,R,RRR,*16...	
Oct 25 2009	12"	11mmT6	PB,PS,R=G.	RESOLVE OUTER STARTS ONLY	
Aug 31 2008	31"	17mmT4	PB,PS,R=G		
Oct 08 2006	1.9"	12x50	F,S,R=F,	SMALL SMUDGE.	
Aug 20 2006	1.9"	12x50	B,L,R=G		
Jul 23 2006	8"	7.5mmW	PB,CS,R,R=G		
Jun 26 2004	8"	25mmPL	CLOUDS EARLY - GIBBOUS MOON		
NGC 6981	Aqr	M72	Globular	GCL,PB,PL,R,GMCM,RRR	M 72
Sep 13 2009	12"	32mmUW	2ND OBJECT.		
Oct 08 2006	1.9"	12x50	VF,S,R=F		
Oct 06 2004	8"	11mmT6	PB,L,R=G,	TIGHT GROUP	
Jun 19 2004	8"	25mmPL	GOOD NIGHT - MEGASTAR		
NGC 7006	Del	H52-1	Globular	B,PL,R,GBM	very distant globular
Oct 21 2006	31"	20mmUW	FB,L,STELLAR,	RESOLVE OUTERMOST STARS.	
Jul 23 2006	8"	7.5mmW	VF,CS,R,R=F		
Jun 26 2004	8"	25mmPL	CLOUDS EARLY - GIBBOUS MOON		
NGC 7078	Peg	M15	Globular	GCL,VB,VL,IR,VSMBM	M 15
Sep 02 2016	12"	17mmT4	NICE.	1ST OBJECT FOR THE NIGHT	
Aug 07 2016	12"	8mm Et	FAINT,SMALL,R=E.	FIRST OBJECT IN PEGASUS THIS YEAR.	
Aug 21 2015	12"	17mmT4			
Aug 15 2015	12"	11mmT6			
Jul 15 2015	12"	17mmT4			
Sep 19 2014	12"	17mmAT	5-DAYS AFTER NEW - SIGHTSEEING,	HOME - 8/15/14	
Jul 13 2013	18"	7mm TV	MORE EYE CANDY		
Mar 16 2012	18"	17mmAT	2012 M.M.		
Aug 31 2010	12"	17mmAT	NIGHT ENDING EYE CANDY		
Mar 08 2010	12"	26mm	M.M. 2010 MANUAL SETTING CIRCLES		
Sep 13 2009	12"	32mmUW	5TH OBJECT		
Oct 29 2008	16"	32mmUW	NICE, BRIGHT, CAN'T RESOLVE INDIVIDUAL STARS		
Oct 21 2006	31"	20mmUW	VB,VL,STELLAR,RESOLVABLE,	F.L. 2, 20MM	
Aug 20 2006	1.9"	12x50	B,S,R=F		
Mar 27 2006	8"	19mmW	B,S,R=G, TIGHT GROUP		
Oct 31 2004	1.9"	12x50	R=G		
Jul 16 2004	8"	25mmPL	CLEAR - SEEING NOT TOO BAD		
Dec 28 2003	8"	25mmPL	Q/M COLD		
NGC 7089	Aqr	M2	Globular	GCL,B,VL,GPMBM,RRR	M 2
Oct 05 2016	12"	11mmT6	B,L,R=G		
Sep 02 2016	12"	8mm Et	VERY NICE.	SQM-19.67	
Aug 15 2015	12"	8mm Ds	DITTO		
Aug 31 2010	12"	17mmAT	NIGHT ENDING EYE CANDY		
Oct 29 2008	16"	32mmUW	SAME,DIMMER, CAN'T RESOLVE INDIVIDUAL STARS		
Oct 21 2006	31"	20mmUW	VB,FL,STELLAR, RESOLVABLE		
Mar 27 2006	8"	19mmW	B,S,R=G, TIGHT GROUP		
Oct 31 2004	1.9"	12x50	R=F		
Jun 19 2004	8"	25mmPL	GOOD NIGHT - MEGASTAR		

Globular Cluster Observations

NGC 7099	Cap M30	Globular	GCL,B,L,LE,GPMBM	M 30
Aug 16 2006	1.9" 12x50	PF,S,R=F		
Aug 12 2005	8" 7.5mmW	B,L,R=G, RESOLVE OUTER STARS		
Jun 19 2004	8" 25mmPL	*** LAST MESSIER OBJECT ***		
NGC 7492	Aqr	H558-3	Globular	EF,L,BET2D*
Oct 05 2016	12" 11mmT6	F,PS,R=G		
Sep 05 2007	8" 11mmT6	VF,VS,AV,R=F		
PAL 1	Cep	Globular		Palomar 1
Sep 19 2014	18" 8mm Ds	VF,VS,AVII,R=F,, WRO - 9/19/14		
Sep 14 2012	18" 7mm TV	VF,PS,R=F,FAINT SMUDGE OF A GLOBULAR		
PAL 4	UMa	Globular		Palomar 4
Apr 06 2010	12" 11mmT6	VF,VS,AV,R=F,FAINT SMUDGE, 12TH MAG START TO WEST.		
PAL 5	Ser	Globular		Palomar 5
Jul 01 2016	12" 8mm Et	VF,S,R=F		
Jun 09 2007	8" 7.5mmW	VF,VS,AV,R=F		
Jun 04 2005	31" 17mmT4	VF,VS,R,AV,R=F		
PAL 6	Oph	Globular		Palomar 6
Jul 13 2007	8" 7.5mmW	VF,VS,R,PATCHY,AV,R=F		
PAL 8	Sgr	Globular		Palomar 8
Jul 09 2005	8" 11mmT6	VF,ML,R,R=F		
PAL 10	Sge	Globular		Palomar 10
May 21 2009	16" 11mmT6	VF,PS,AV,R=F UNRESOLVED.		
PAL 11	Aql	Globular		Palomar 11
Jul 31 2005	8" 11mmT6	DIFF, VF,ML,R,LOWSB,R=F		
PAL 13	Peg	Globular		Palomar 13
Nov 02 2005	31" 19mmW	PF,PS,PATCHY,R=F, CAN'T RESOLVE STARS		
PAL 14	Her	Globular		Palomar 14
May 21 2009	16" 11mmT6	CF,PS,R=F, UNRESOLVED,STAR IN FRONT.		
PAL 15	LMi	Globular		Palomar 15
May 21 2009	16" 11mmT6	VF,PS,AV,R=F UNRESOLVED.		
TER 2	Sco	Globular		Terzan 2
Oct 29 2006	8" 19mmW	PF,PS,LOOSE,R=F		
TER 3	Sco	Globular		Terzan 3
Nov 26 2006	1.9" 12x50	B,PL,LOOSE,RESOLVESTARS,R=G		
Nov 09 2006	8" 19mmW	12+,FAINT,R=F		

Globular Cluster Observations

TER 8	Sgr	Globular	Terzan 8
Jul 31 2005 8"	11mmT6	VF,VS,R,LOWSB,R=F	
TER 9	Sgr	Globular	Terzan 9
Aug 06 2010 28"	26mm	PF,PS,SMUDGE, NO STARS RESOLVED	